

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061819\
 Data File : VX010341.D
 Acq On : 18 Jun 2019 16:42
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/20/2019 8:58:24 AM

Quant Time: Jun 19 01:42:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 02:12:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	284374	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.85	114	412302	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	378915	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	205044	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	130022	46.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.68%	
35) Dibromofluoromethane	5.49	113	130931	51.48	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	102.96%	
50) Toluene-d8	8.71	98	488701	51.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.54%	
62) 4-Bromofluorobenzene	11.13	95	184944	51.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	128129	48.967	ug/l	97
3) Chloromethane	1.32	50	119098	45.831	ug/l	99
4) Vinyl Chloride	1.41	62	127509	52.208	ug/l	99
5) Bromomethane	1.64	94	57280	62.150	ug/l	100
6) Chloroethane	1.71	64	78308	63.594	ug/l	100
7) Trichlorofluoromethane	1.93	101	207528	57.203	ug/l	99
8) Diethyl Ether	2.18	74	75817	60.633	ug/l	76
9) 1,1,2-Trichlorotrifluoroet	2.38	101	121339	48.520	ug/l	94
10) Methyl Iodide	2.51	142	175866	45.389	ug/l	98
11) Tert butyl alcohol	3.04	59	161042	236.827	ug/l	99
12) 1,1-Dichloroethene	2.37	96	114648	44.884	ug/l	84
13) Acrolein	2.29	56	28247	227.815	ug/l	98
14) Allyl chloride	2.73	41	182127	47.236	ug/l #	86
15) Acrylonitrile	3.14	53	347429	249.967	ug/l	98
16) Acetone	2.44	43	341479	261.554	ug/l	91
17) Carbon Disulfide	2.57	76	290278	39.331	ug/l	98
18) Methyl Acetate	2.77	43	152830	53.228	ug/l #	82
19) Methyl tert-butyl Ether	3.19	73	405307	49.391	ug/l	94
20) Methylene Chloride	2.85	84	139951	48.810	ug/l #	79
21) trans-1,2-Dichloroethene	3.16	96	130597	46.201	ug/l #	79
22) Diisopropyl ether	3.85	45	382023	51.823	ug/l #	91
23) Vinyl Acetate	3.81	43	1644000	249.985	ug/l #	88
24) 1,1-Dichloroethane	3.69	63	218660	48.854	ug/l	95
25) 2-Butanone	4.67	43	490378	252.236	ug/l #	84
26) 2,2-Dichloropropane	4.57	77	196932	48.230	ug/l	93
27) cis-1,2-Dichloroethene	4.59	96	156863	49.882	ug/l	78
28) Bromochloromethane	5.01	49	91527	45.628	ug/l #	51
29) Tetrahydrofuran	5.12	42	293919	240.563	ug/l #	76
30) Chloroform	5.20	83	233253	50.180	ug/l	100
31) Cyclohexane	5.57	56	190732	47.217	ug/l #	75
32) 1,1,1-Trichloroethane	5.49	97	209398	47.918	ug/l	93
36) 1,1-Dichloropropene	5.79	75	169216	50.306	ug/l	93
37) Ethyl Acetate	4.82	43	175218	50.064	ug/l #	92
38) Carbon Tetrachloride	5.78	117	189657	49.813	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	225956	49.331	ug/l	85
40) Benzene	6.13	78	533353	51.277	ug/l	99
41) Methacrylonitrile	5.03	41	95366	50.373	ug/l #	83
42) 1,2-Dichloroethane	6.18	62	167103	50.322	ug/l	94
43) Isopropyl Acetate	6.43	43	296413	50.653	ug/l #	90
44) Trichloroethene	7.21	130	161437	51.490	ug/l	88
45) 1,2-Dichloropropane	7.51	63	137473	52.806	ug/l	99
46) Dibromomethane	7.65	93	97087	49.778	ug/l	90
47) Bromodichloromethane	7.89	83	186336	51.128	ug/l #	99
48) Methyl methacrylate	7.76	41	140333	51.278	ug/l #	79
49) 1,4-Dioxane	7.73	88	73687	944.379	ug/l #	79
51) 4-Methyl-2-Pentanone	8.63	43	941023	269.182	ug/l	90
52) Toluene	8.78	92	350214	51.221	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	210427	49.917	ug/l	96
54) cis-1,3-Dichloropropene	8.43	75	227364	50.310	ug/l #	88
55) 1,1,2-Trichloroethane	9.21	97	151281	54.026	ug/l	96
56) Ethyl methacrylate	9.18	69	229366	51.854	ug/l #	83
57) 1,3-Dichloropropane	9.37	76	231361	52.482	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.30	63	604419	289.855	ug/l #	86
59) 2-Hexanone	9.49	43	737238	264.500	ug/l	88
60) Dibromochloromethane	9.58	129	171764	51.859	ug/l	99
61) 1,2-Dibromoethane	9.66	107	160202	51.369	ug/l	99
64) Tetrachloroethene	9.33	164	154350	54.845	ug/l	94
65) Chlorobenzene	10.13	112	408200	52.196	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	153585	51.068	ug/l	99
67) Ethyl Benzene	10.25	91	694845	52.192	ug/l	94
68) m/p-Xylenes	10.35	106	540122	104.841	ug/l	91
69) o-Xylene	10.69	106	265592	51.862	ug/l	90
70) Styrene	10.71	104	461343	53.190	ug/l	95
71) Bromoform	10.85	173	140933	50.974	ug/l #	98
73) Isopropylbenzene	11.01	105	721745	50.424	ug/l	97
74) N-amyl acetate	10.90	43	273511	48.340	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	11.26	83	231613	47.272	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	196804m	47.986	ug/l	
77) Bromobenzene	11.25	156	196481	49.917	ug/l	81
78) n-propylbenzene	11.36	91	807214	50.657	ug/l	95
79) 2-Chlorotoluene	11.41	91	470208	49.131	ug/l	91
80) 1,3,5-Trimethylbenzene	11.51	105	601851	49.922	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	84807	45.687	ug/l	87
82) 4-Chlorotoluene	11.51	91	546558	50.273	ug/l	92
83) tert-Butylbenzene	11.77	119	609676	49.965	ug/l	94
84) 1,2,4-Trimethylbenzene	11.80	105	615090	50.511	ug/l	97
85) sec-Butylbenzene	11.94	105	740904	52.118	ug/l	96
86) p-Isopropyltoluene	12.06	119	678497	52.208	ug/l	97
87) 1,3-Dichlorobenzene	12.02	146	354788	51.173	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	358335	51.271	ug/l	97
89) n-Butylbenzene	12.38	91	606037	54.174	ug/l	97
90) Hexachloroethane	12.59	117	124861	48.230	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	351272	52.115	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	51053	44.280	ug/l	72

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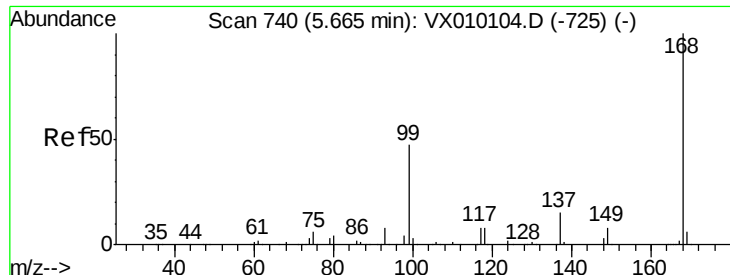
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	259007	52.496	ug/l	99
94) Hexachlorobutadiene	13.78	225	123445	56.259	ug/l	99
95) Naphthalene	13.83	128	773463	49.800	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	252536	51.767	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.01 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 284374

Ion Ratio Lower Upper

168 100

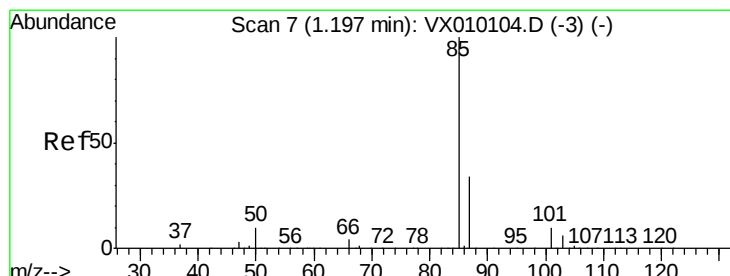
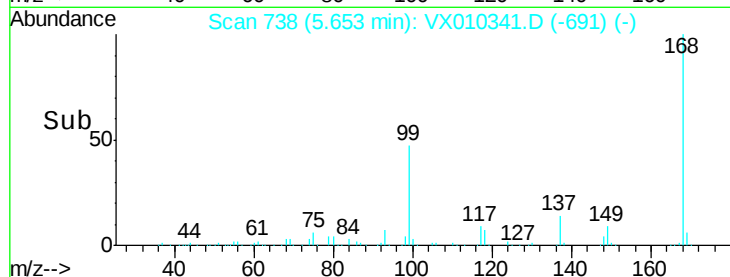
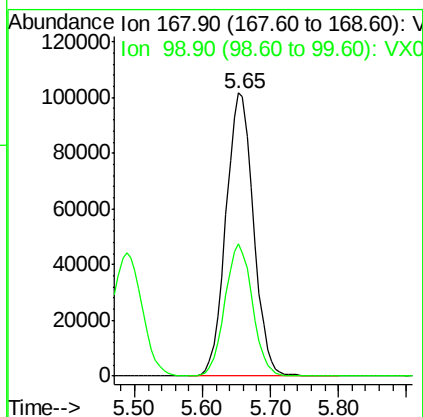
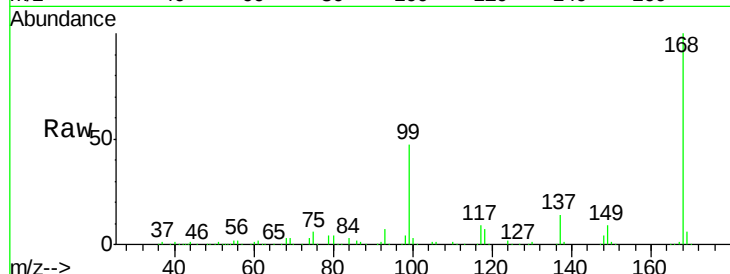
99 46.8 43.0 64.6

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#2

Dichlorodifluoromethane

Concen: 48.967 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX010341.D

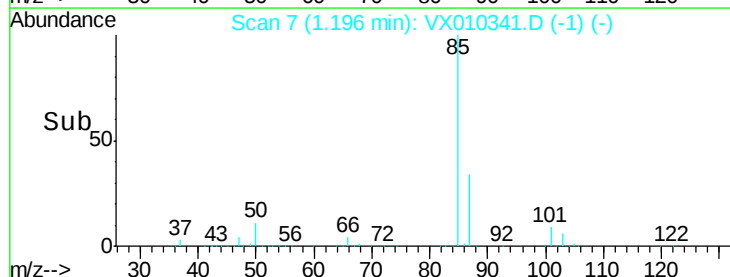
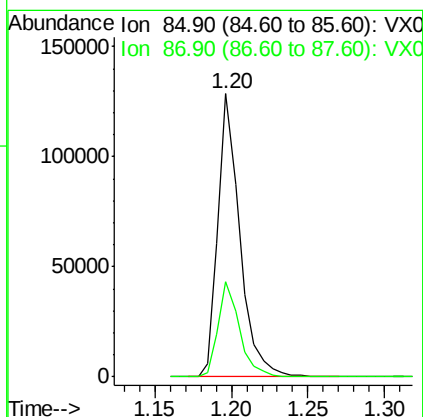
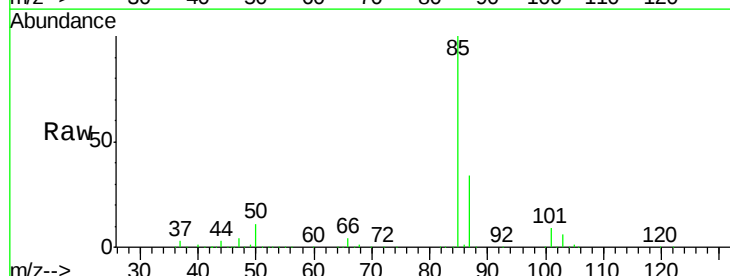
Acq: 18 Jun 2019 16:42

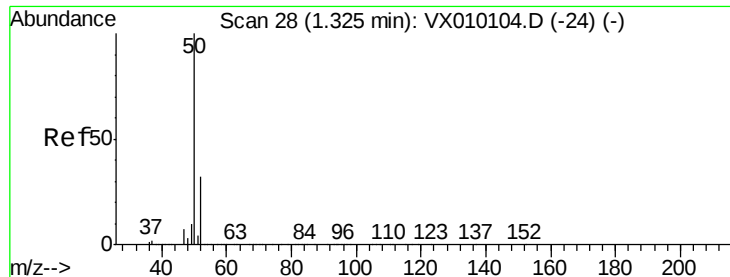
Tgt Ion: 85 Resp: 128129

Ion Ratio Lower Upper

85 100

87 33.7 16.1 48.2





#3

Chloromethane

Concen: 45.831 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 119098

Ion Ratio Lower Upper

50 100

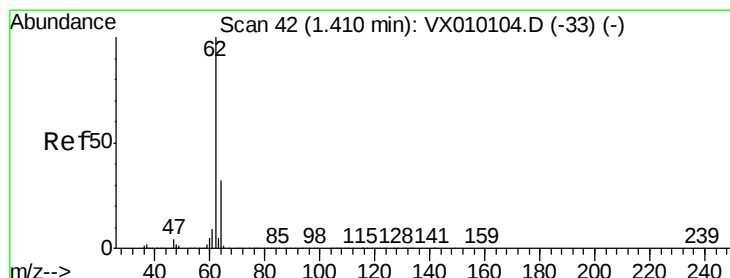
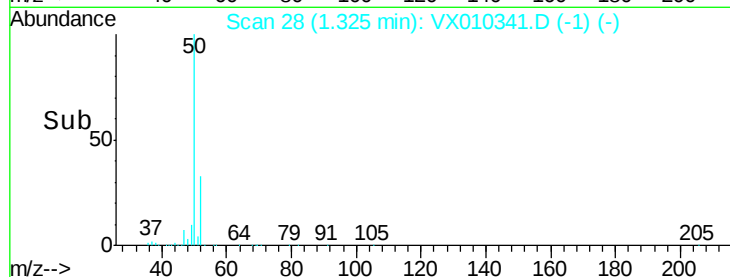
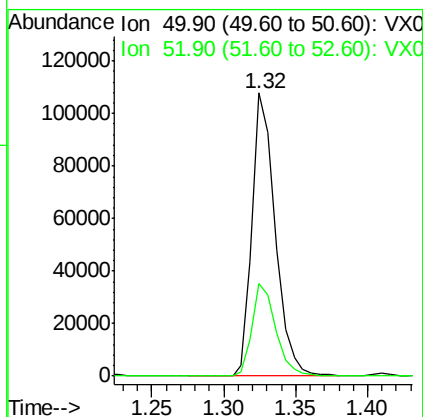
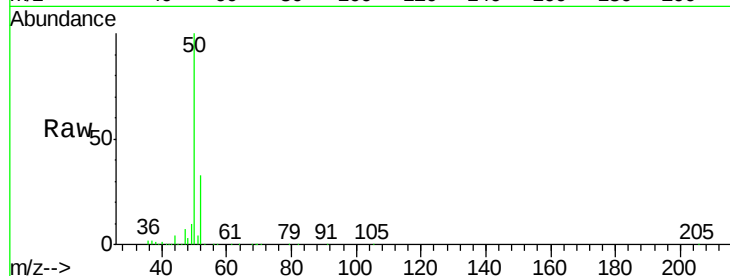
52 32.8 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 52.208 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX010341.D

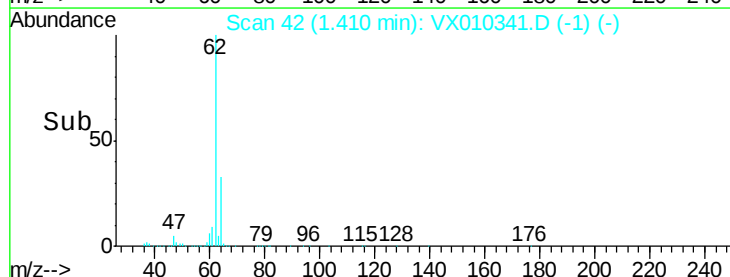
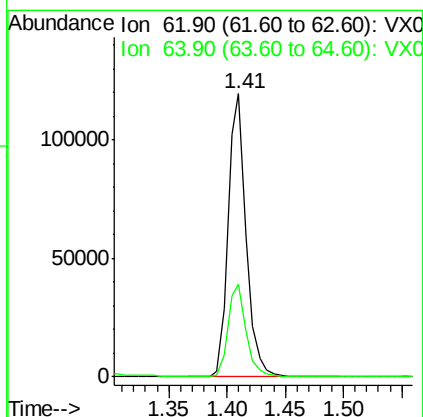
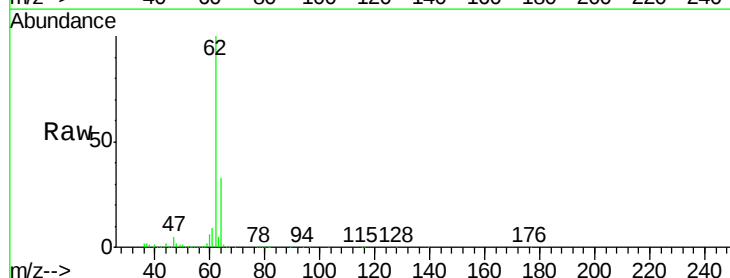
Acq: 18 Jun 2019 16:42

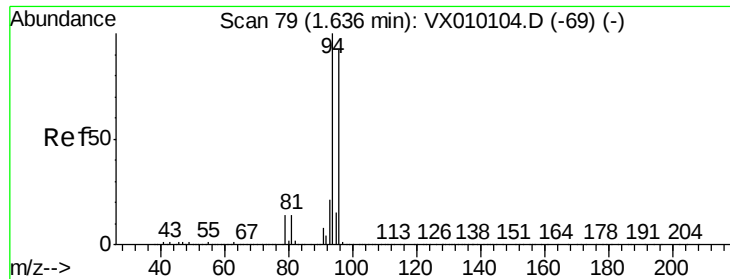
Tgt Ion: 62 Resp: 127509

Ion Ratio Lower Upper

62 100

64 32.7 25.7 38.5





#5

Bromomethane

Concen: 62.150 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 57280

Ion Ratio Lower Upper

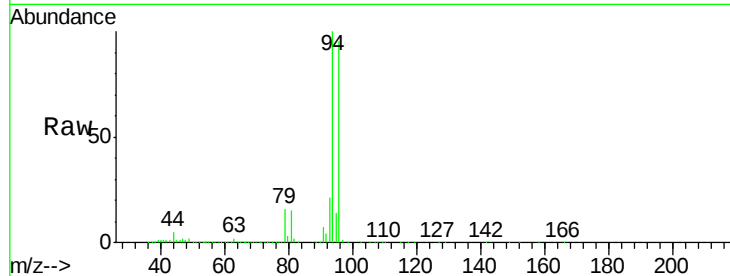
94 100

96 95.0 76.2 114.4

Manual Integrations
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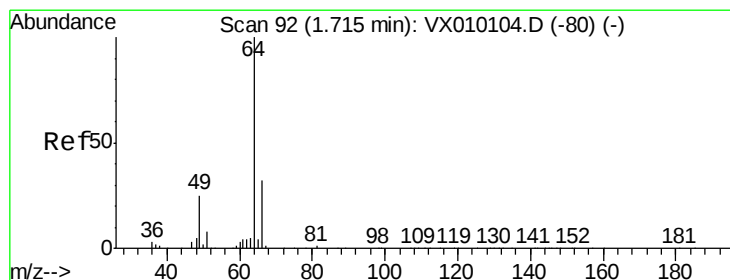
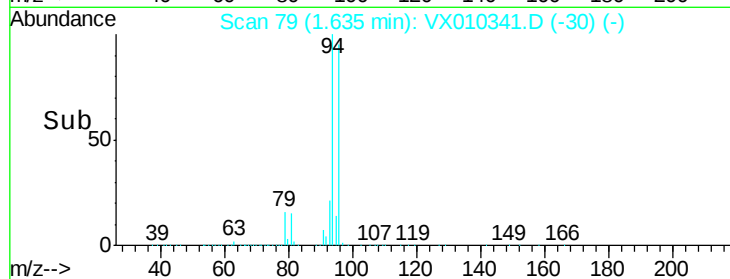
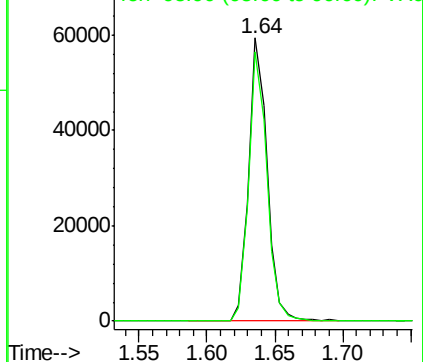
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 63.594 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX010341.D

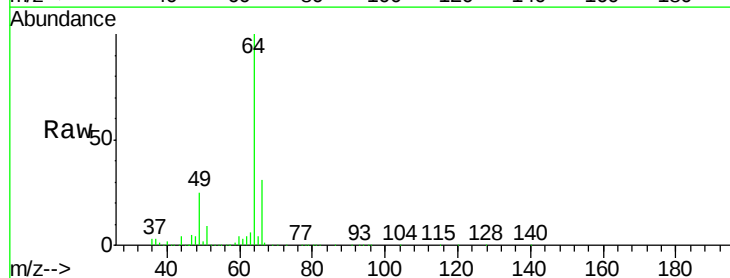
Acq: 18 Jun 2019 16:42

Tgt Ion: 64 Resp: 78308

Ion Ratio Lower Upper

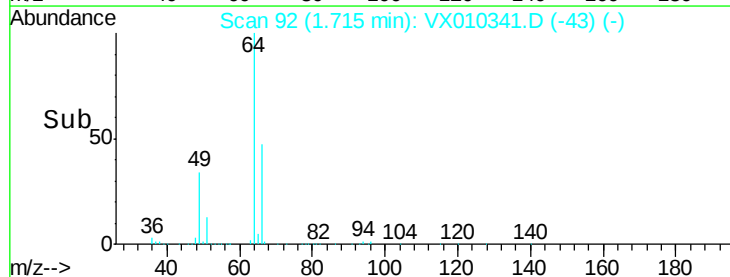
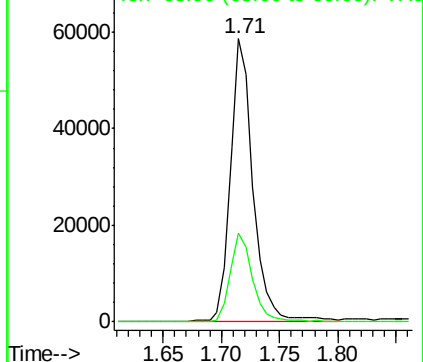
64 100

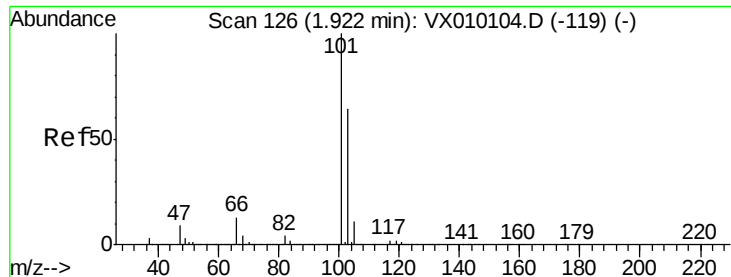
66 31.5 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

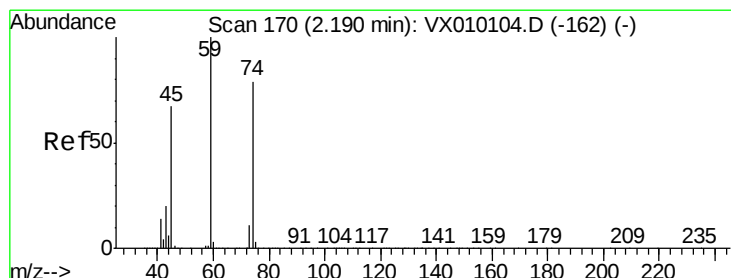
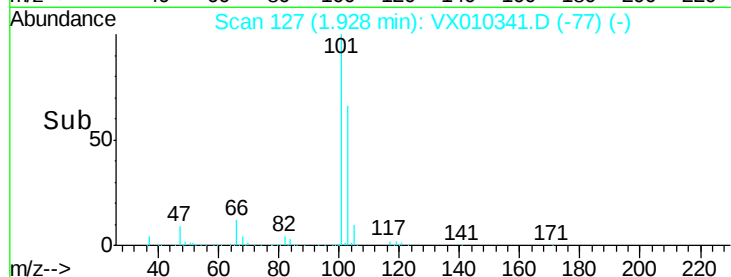
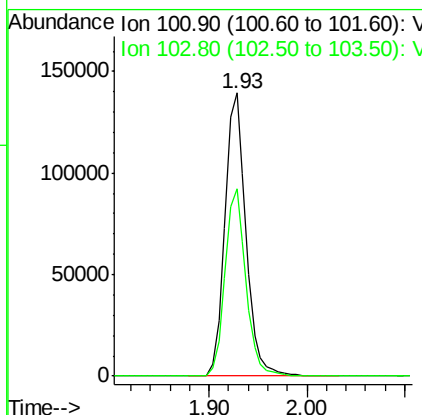
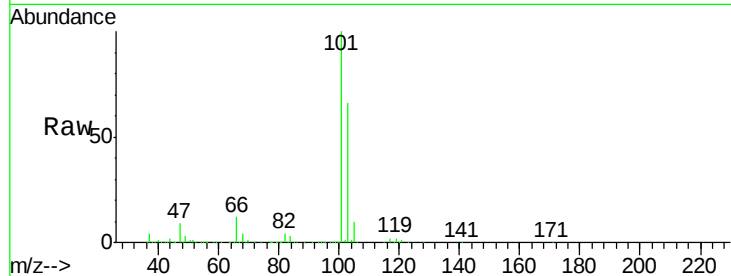
Trichlorofluoromethane
Concen: 57.203 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX010341.D
Acq: 18 Jun 2019 16:42

Instrument :
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ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.2	52.2	78.4

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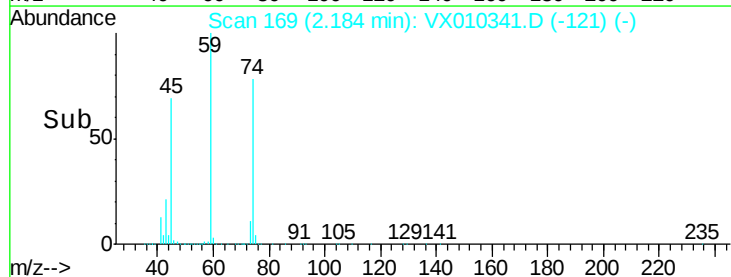
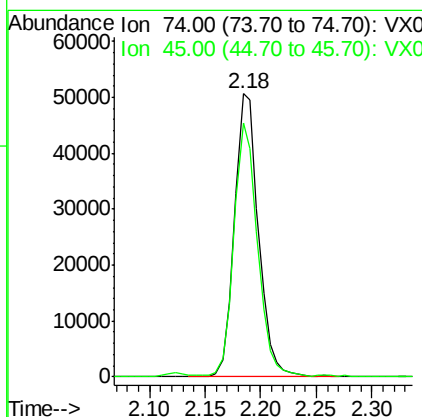
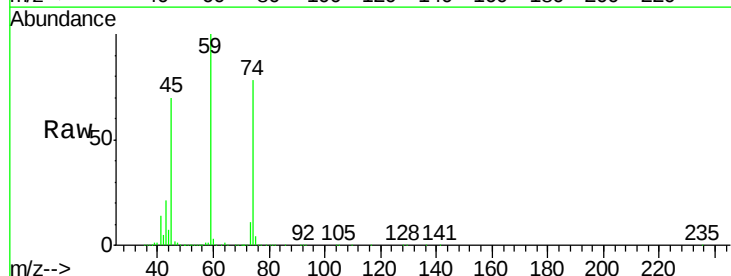
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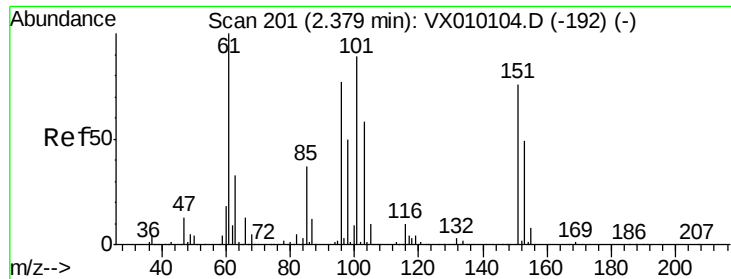


#8

Diethyl Ether
Concen: 60.633 ug/l
RT: 2.18 min Scan# 169
Delta R.T. -0.01 min
Lab File: VX010341.D
Acq: 18 Jun 2019 16:42

Tgt Ion	Ratio	Lower	Upper
74	100		
45	86.7	56.1	168.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.520 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

Instrument :

MSVOA_X

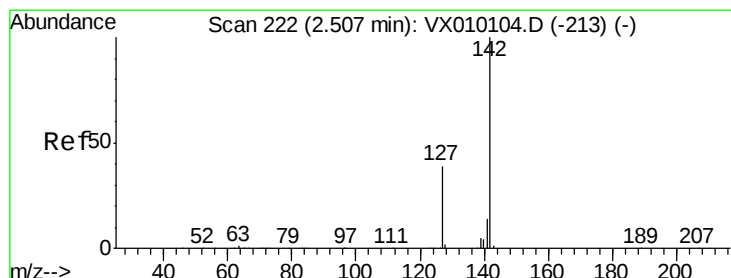
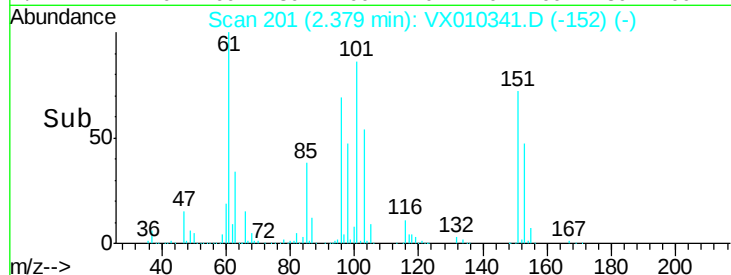
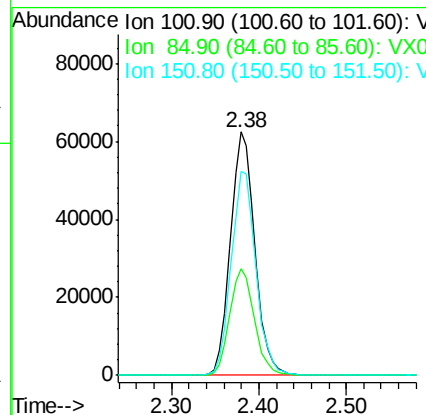
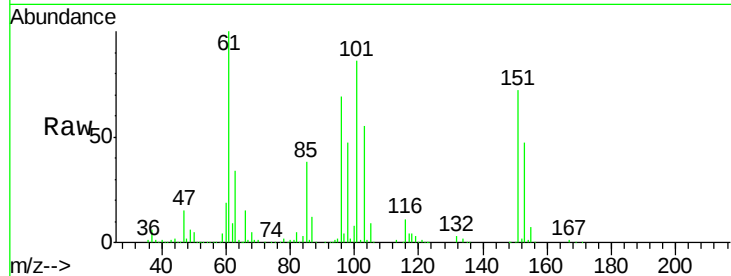
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	121339
Ion Ratio	Lower	Upper	
101	100		
85	44.4	35.2	52.8
151	84.9	61.9	92.9

Manual Integrations
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#10

Methyl Iodide

Concen: 45.389 ug/l

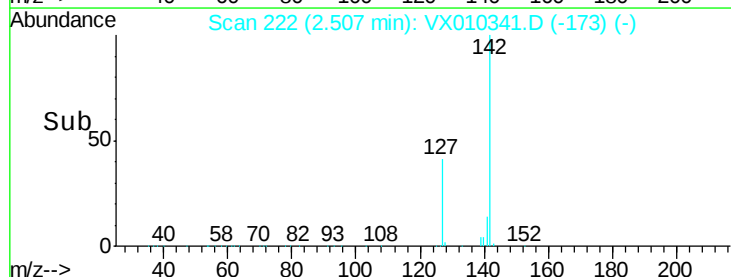
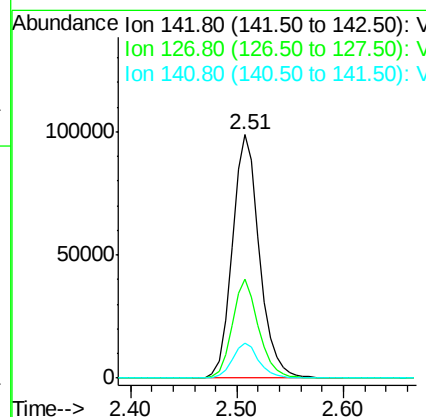
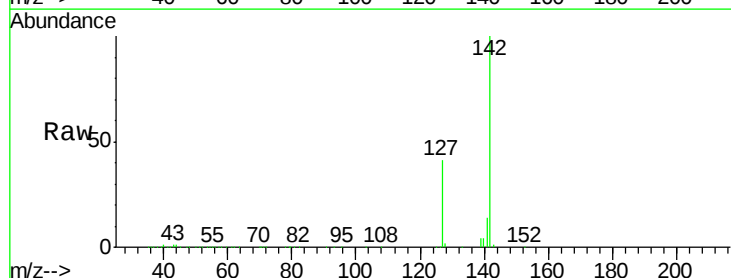
RT: 2.51 min Scan# 222

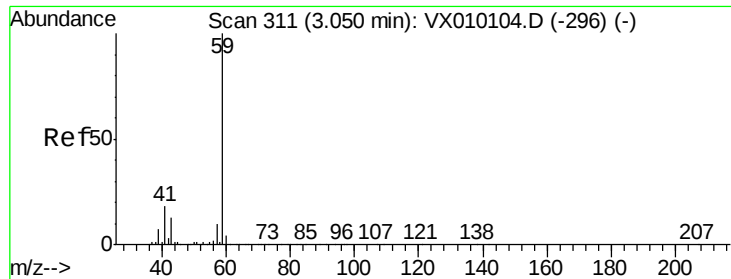
Delta R.T. -0.00 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

Tgt Ion:	142	Resp:	175866
Ion Ratio	Lower	Upper	
142	100		
127	39.5	33.0	49.4
141	14.2	11.4	17.0





#11

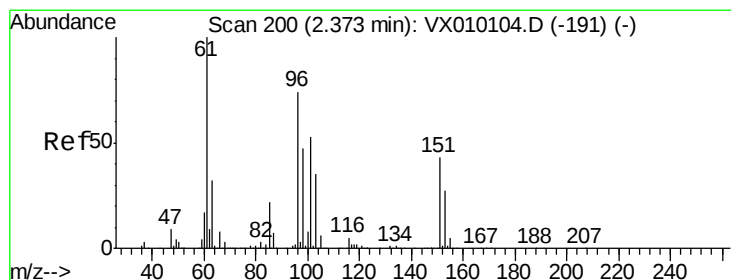
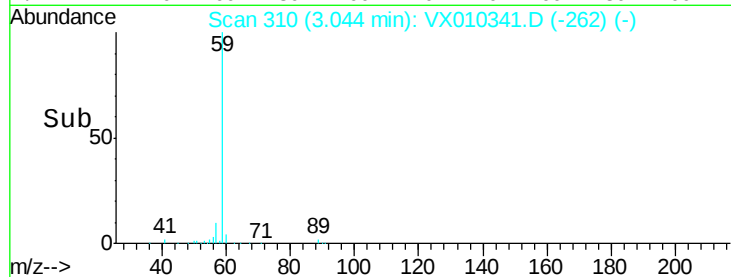
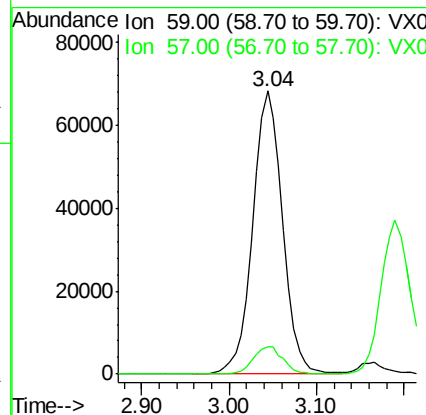
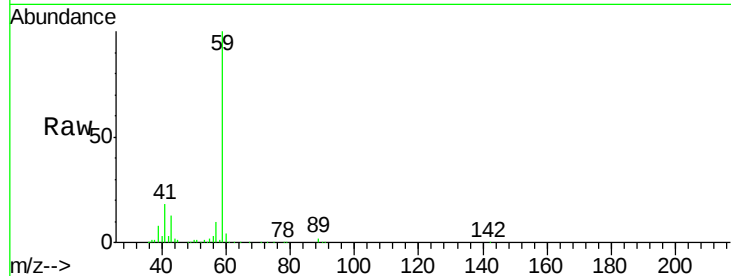
Tert butyl alcohol
Concen: 236.827 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX010341.D
Acq: 18 Jun 2019 16:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
59	100	161042		
57	9.8		8.2	12.2

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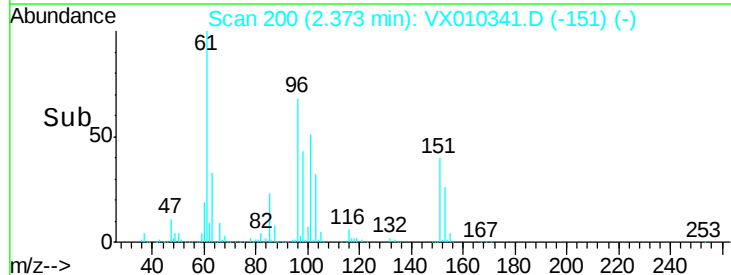
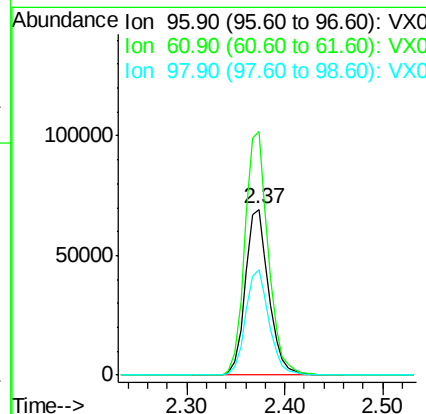
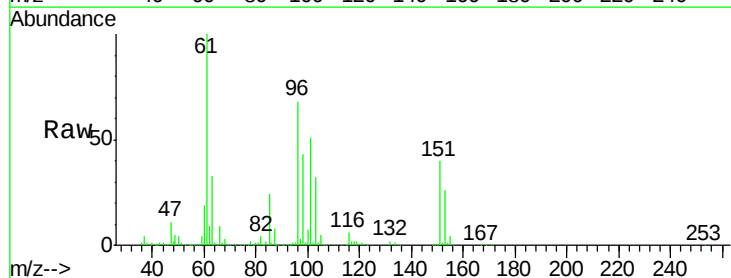
MMDadoda
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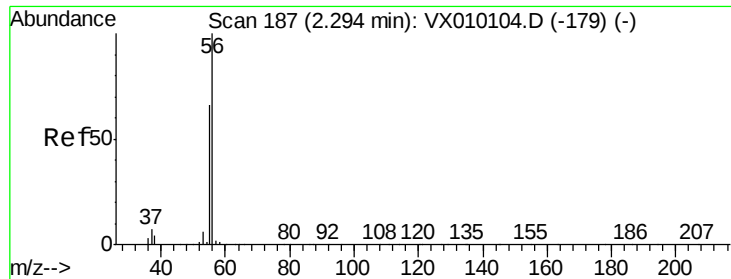


#12

1,1-Dichloroethene
Concen: 44.884 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX010341.D
Acq: 18 Jun 2019 16:42

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	114648		
61	146.9		140.7	211.1
98	63.4		50.1	75.1





#13

Acrolein

Concen: 227.815 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 28247

Ion Ratio Lower Upper

56 100

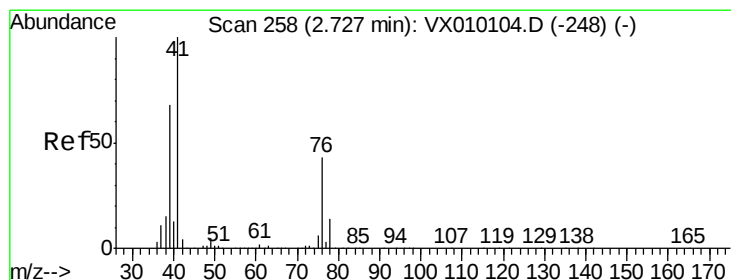
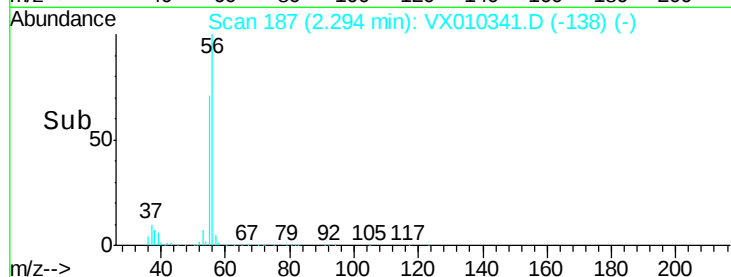
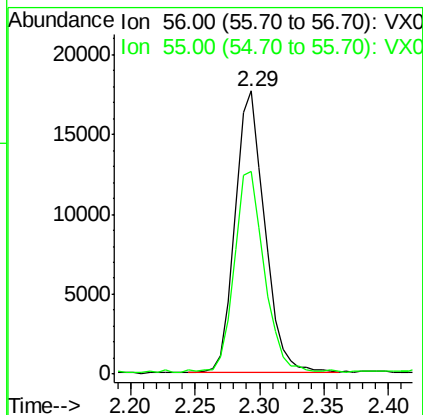
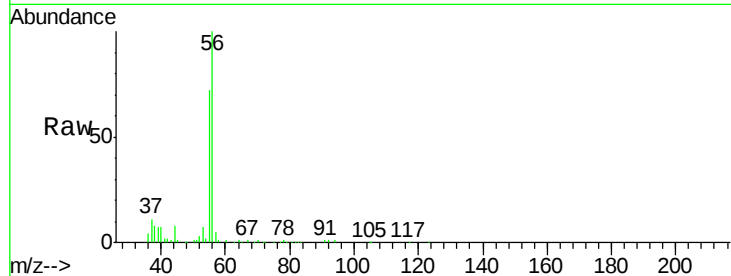
55 72.6 57.0 85.4

Manual Integrations

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#14

Allyl chloride

Concen: 47.236 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

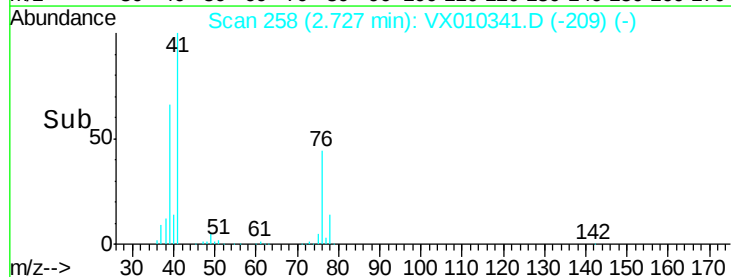
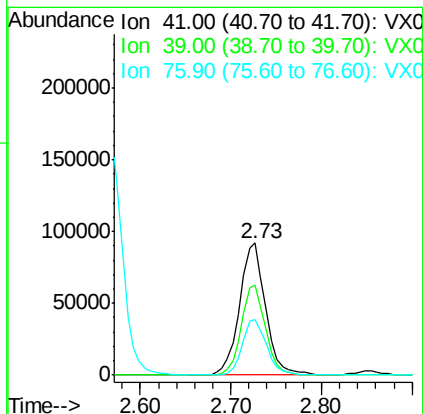
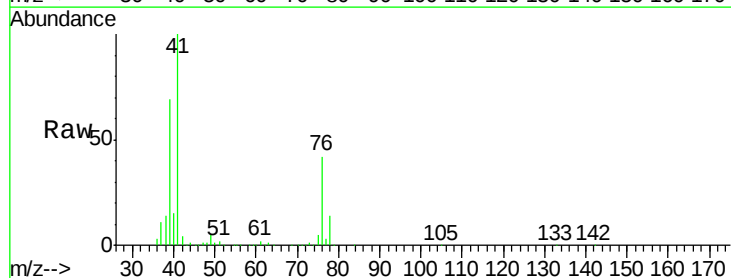
Tgt Ion: 41 Resp: 182127

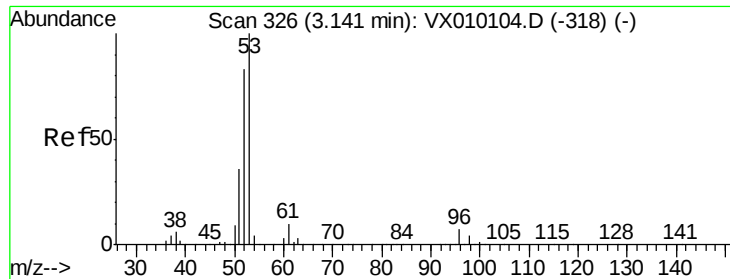
Ion Ratio Lower Upper

41 100

39 64.1 46.7 70.1

76 39.8 21.0 31.4#





#15

Acrylonitrile

Concen: 249.967 ug/l

RT: 3.14 min Scan# 325

Delta R.T. -0.01 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

Instrument :

MSVOA_X

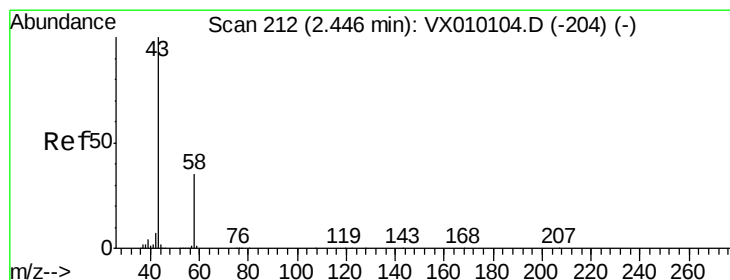
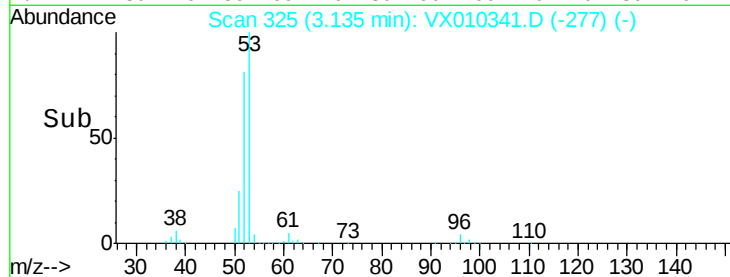
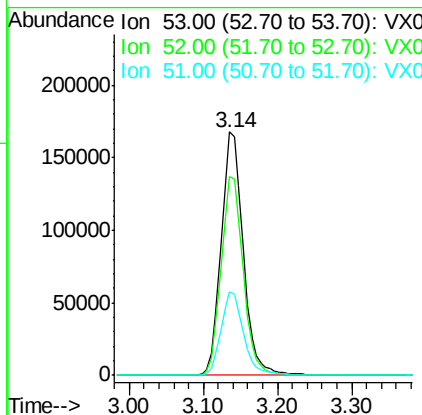
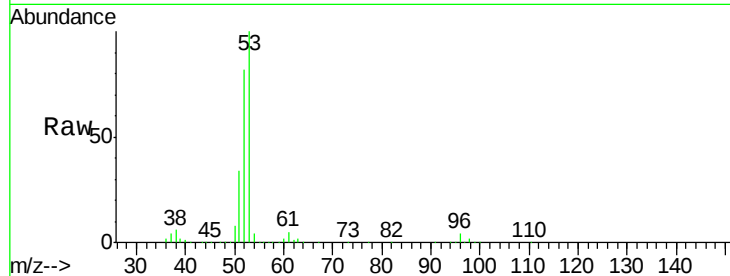
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	347429
Ion	Ratio	Lower	Upper
53	100		
52	81.7	66.7	100.1
51	34.8	28.8	43.2

Manual Integrations
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#16

Acetone

Concen: 261.554 ug/l

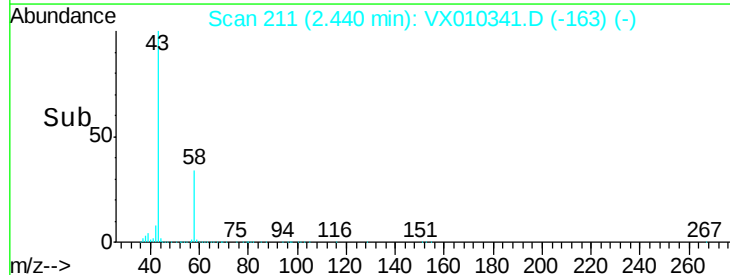
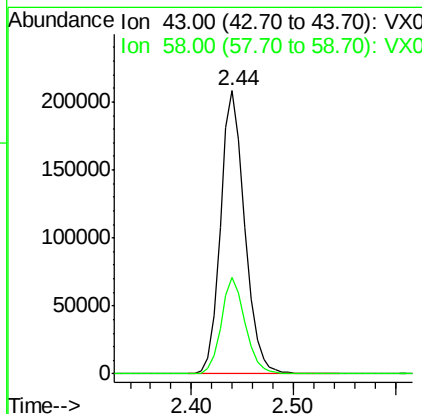
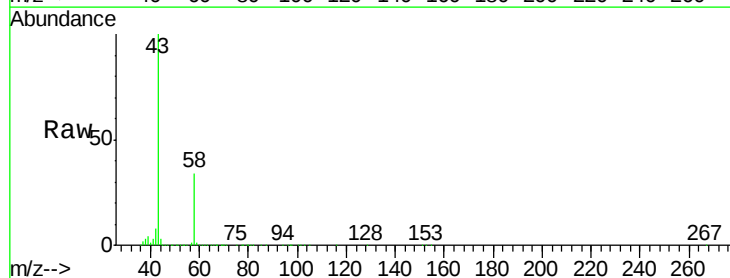
RT: 2.44 min Scan# 211

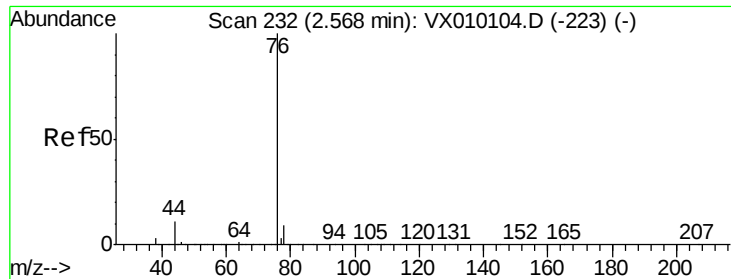
Delta R.T. -0.01 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

Tgt Ion:	43	Resp:	341479
Ion	Ratio	Lower	Upper
43	100		
58	34.0	23.2	34.8





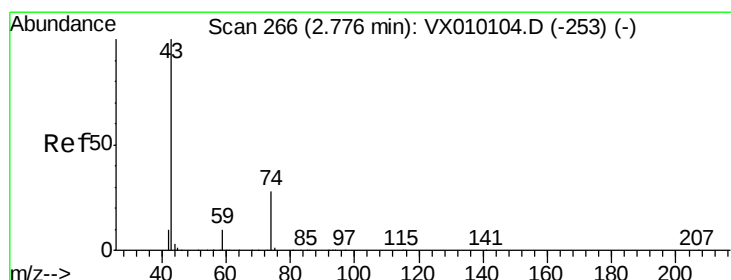
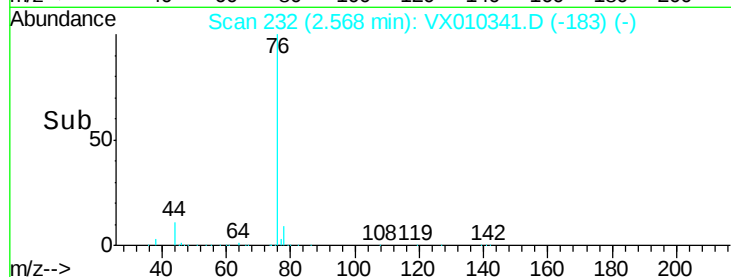
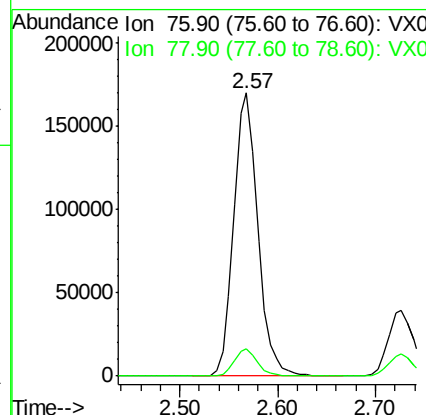
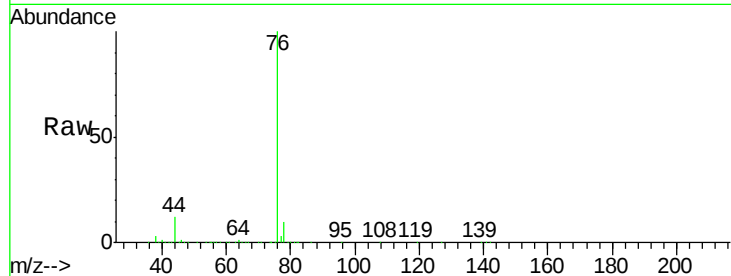
#17
Carbon Disulfide
Concen: 39.331 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX010341.D
Acq: 18 Jun 2019 16:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.0	10.6

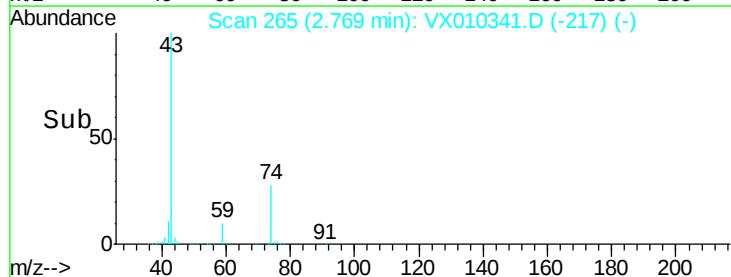
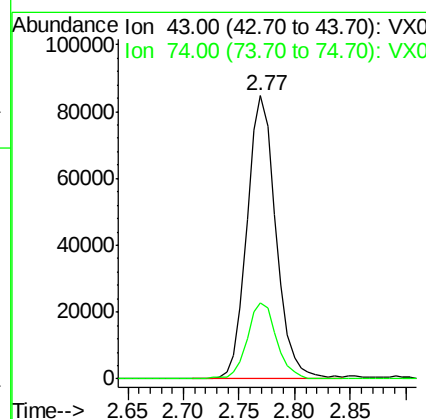
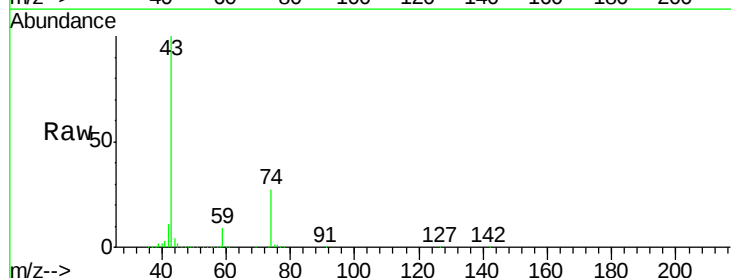
Manual Integrations
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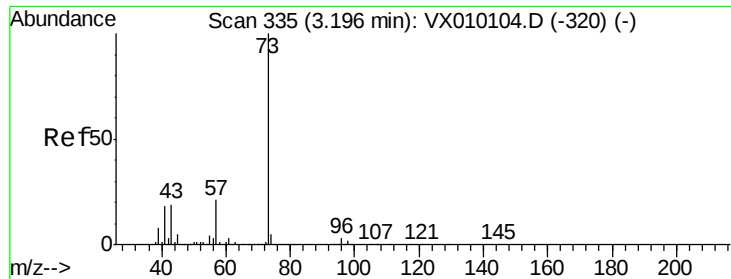
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#18
Methyl Acetate
Concen: 53.228 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX010341.D
Acq: 18 Jun 2019 16:42

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.7	15.8	23.6#





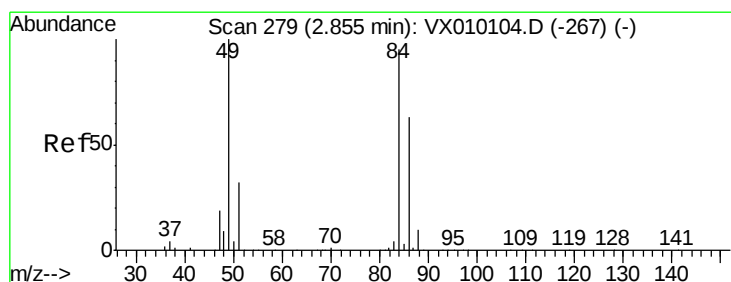
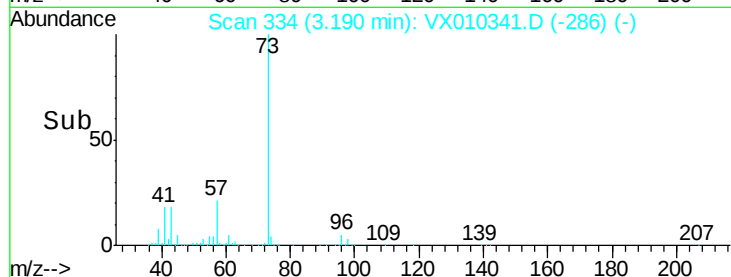
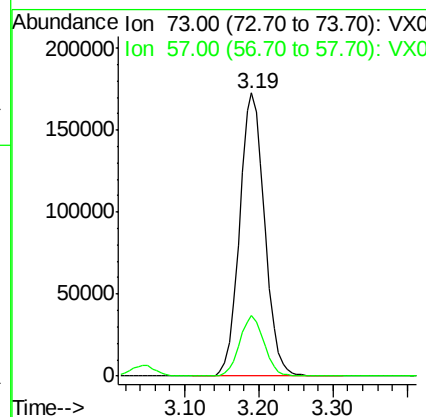
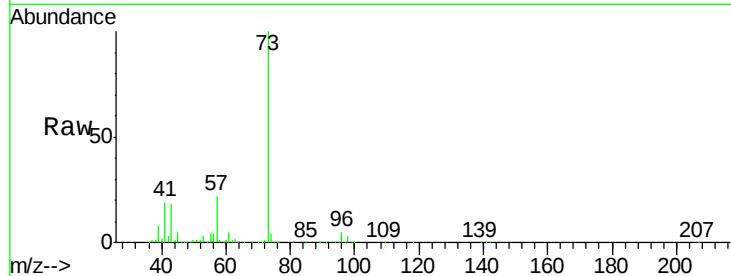
#19
Methvl tert-butvl Ether
Concen: 49.391 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.01 min
Lab File: VX010341.D
Acq: 18 Jun 2019 16:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	73	Resp	405307
Ion Ratio	100	Lower	Upper
73	100		
57	21.6	19.4	29.2

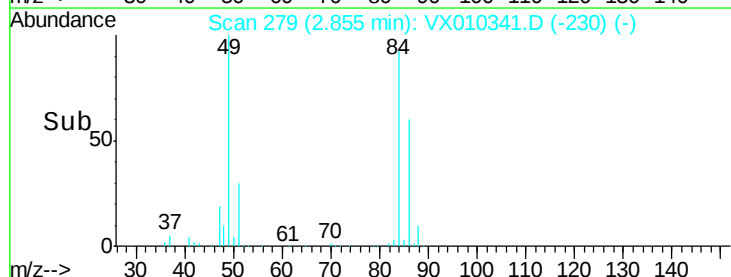
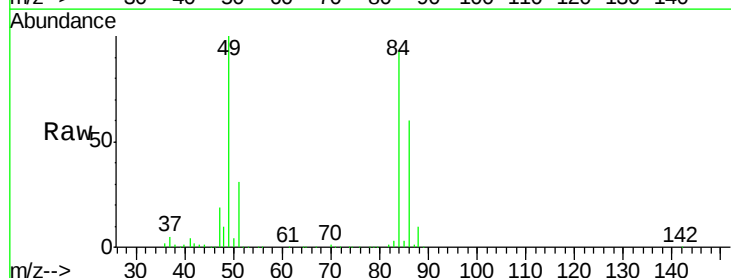
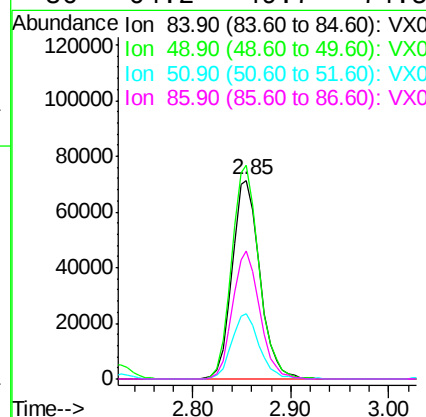
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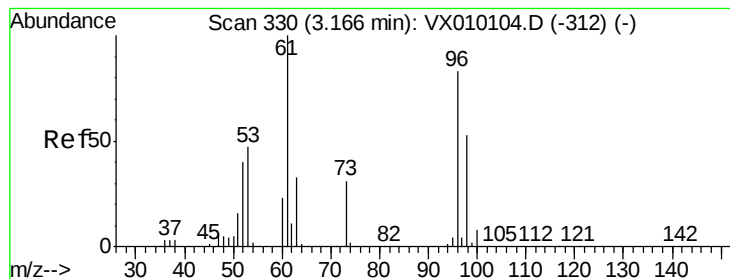
MMDadoda
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#20
Methylene Chloride
Concen: 48.810 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX010341.D
Acq: 18 Jun 2019 16:42

Tgt Ion	84	Resp	139951
Ion Ratio	100	Lower	Upper
84	100		
49	107.4	115.8	173.6#
51	32.8	34.4	51.6#
86	64.2	49.7	74.5





#21

trans-1,2-Dichloroethene

Concen: 46.201 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 130597

Ion Ratio Lower Upper

96 100

61 122.3 125.7 188.5#

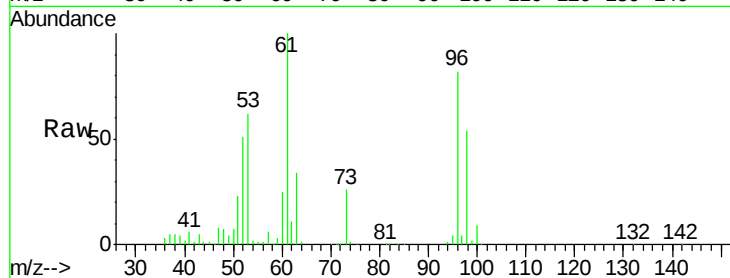
98 66.3 49.0 73.6

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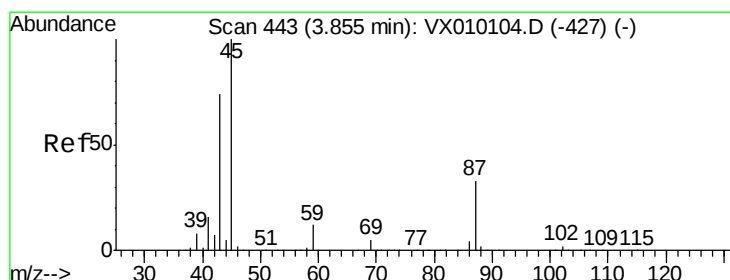
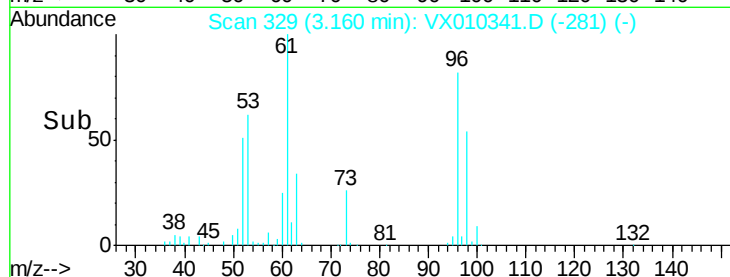
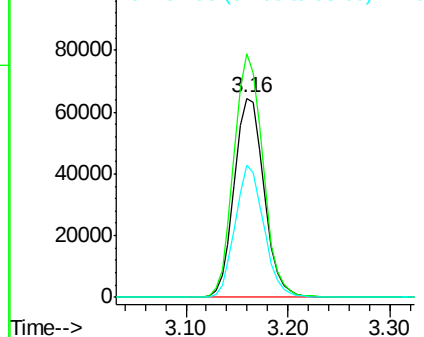


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 51.823 ug/l

RT: 3.85 min Scan# 442

Delta R.T. -0.01 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

Tgt Ion: 45 Resp: 382023

Ion Ratio Lower Upper

45 100

43 76.0 65.0 97.4

87 32.3 17.3 25.9#

59 12.0 8.1 12.1

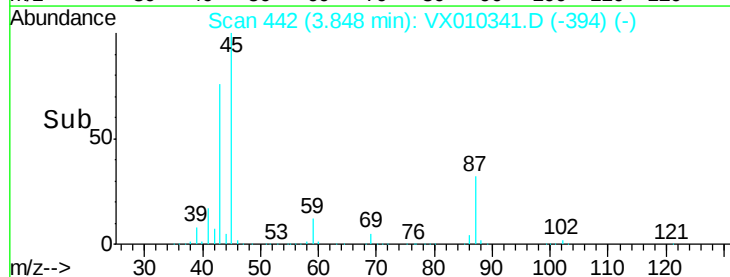
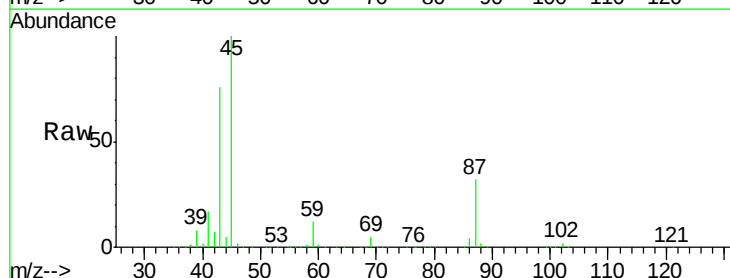
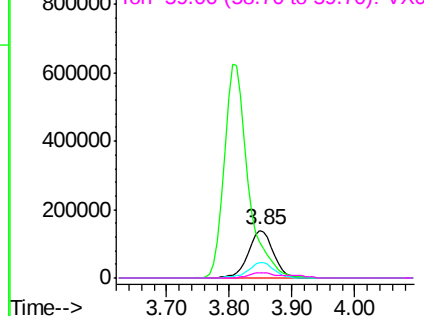
Abundance

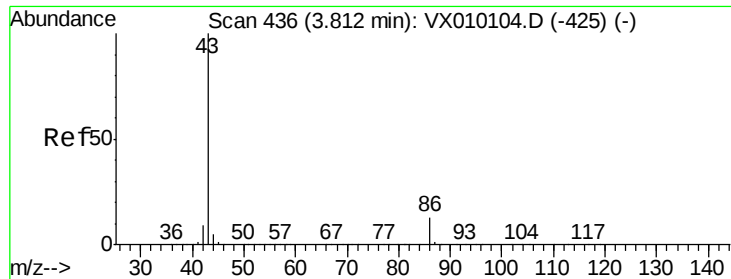
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 249.985 ug/l

RT: 3.81 min Scan# 435

Delta R.T. -0.01 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1644000

Ion Ratio Lower Upper

43 100

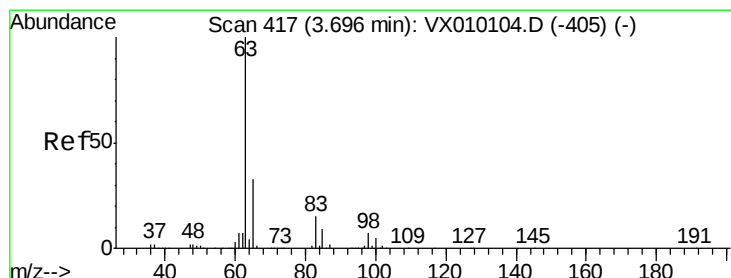
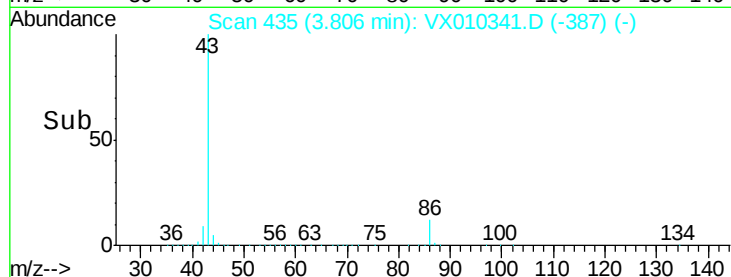
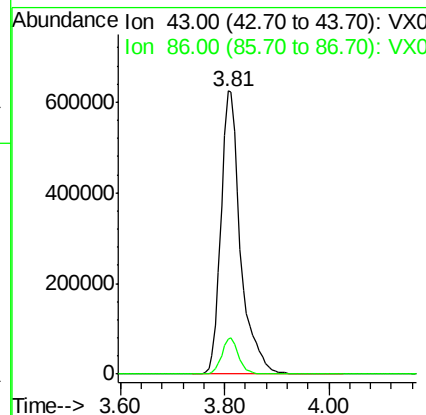
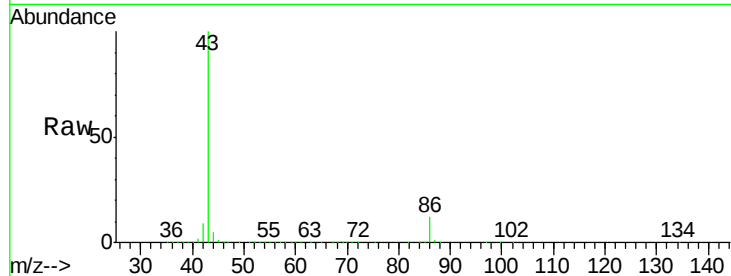
86 12.4 6.5 9.7#

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#24

1,1-Dichloroethane

Concen: 48.854 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.01 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

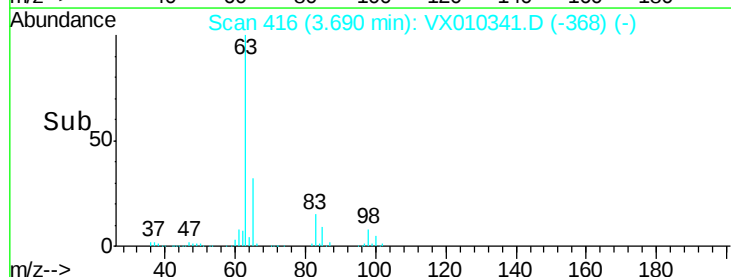
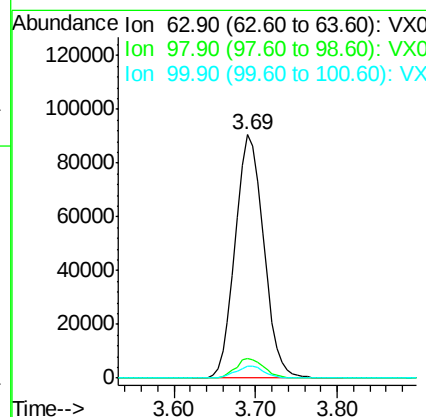
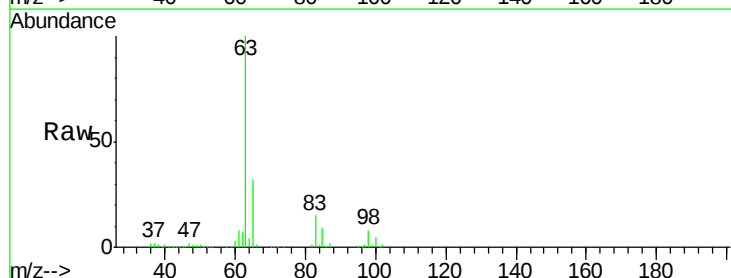
Tgt Ion: 63 Resp: 218660

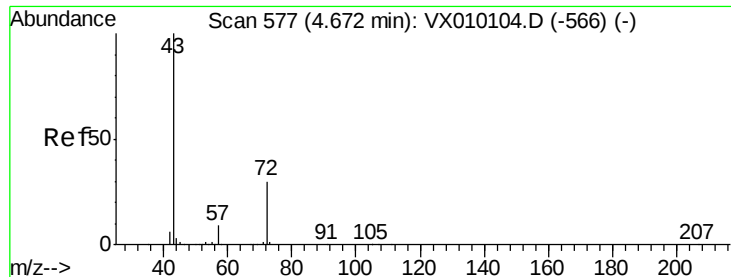
Ion Ratio Lower Upper

63 100

98 7.8 2.9 8.8

100 5.0 1.8 5.4





#25

2-Butanone

Concen: 252.236 ug/l

RT: 4.67 min Scan# 576

Delta R.T. -0.01 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 490378

Ion Ratio Lower Upper

43 100

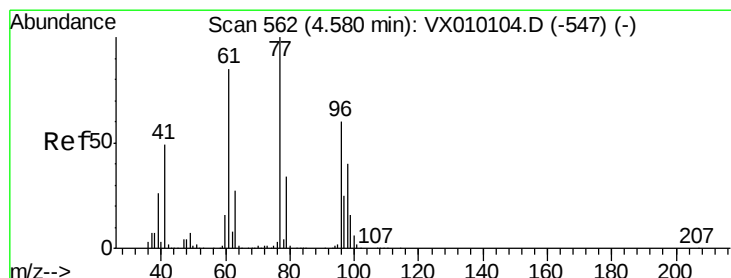
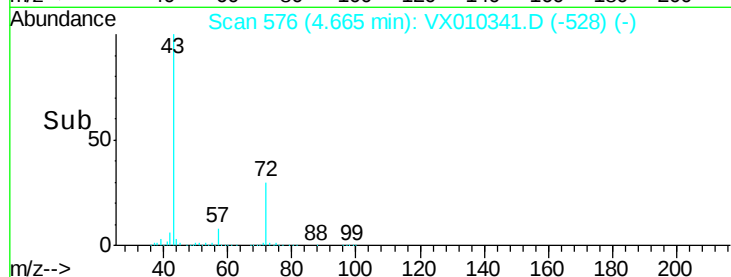
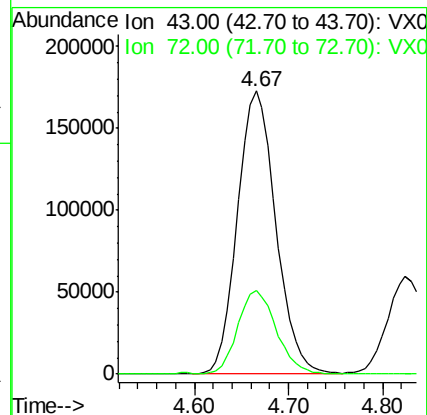
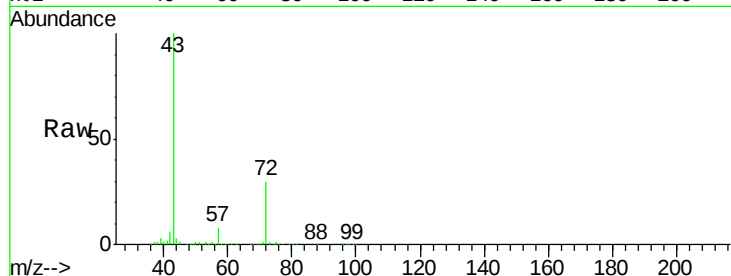
72 29.5 17.5 26.3#

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#26

2,2-Dichloropropane

Concen: 48.230 ug/l

RT: 4.57 min Scan# 561

Delta R.T. -0.01 min

Lab File: VX010341.D

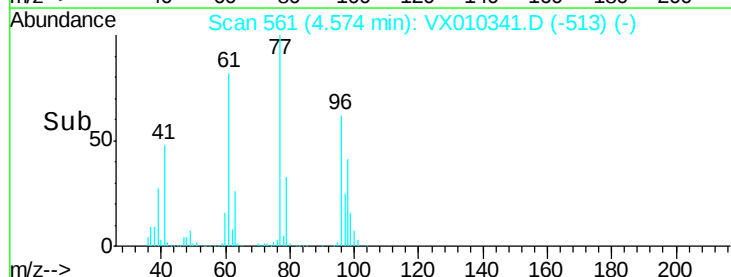
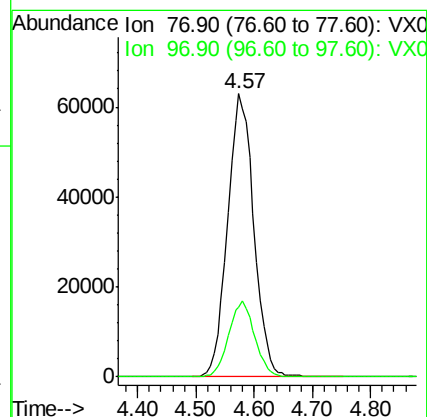
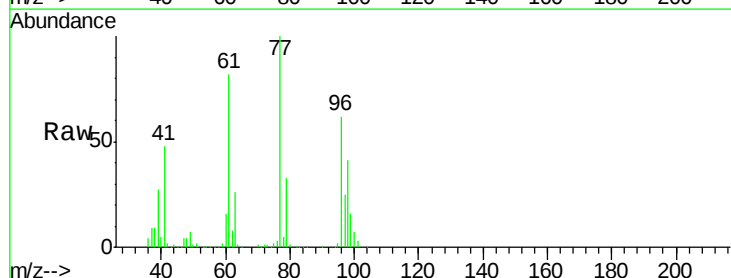
Acq: 18 Jun 2019 16:42

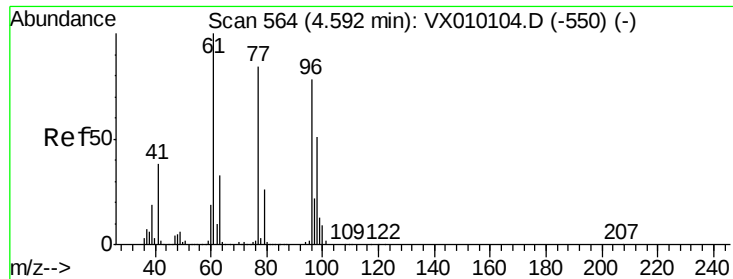
Tgt Ion: 77 Resp: 196932

Ion Ratio Lower Upper

77 100

97 26.4 11.4 34.2





#27

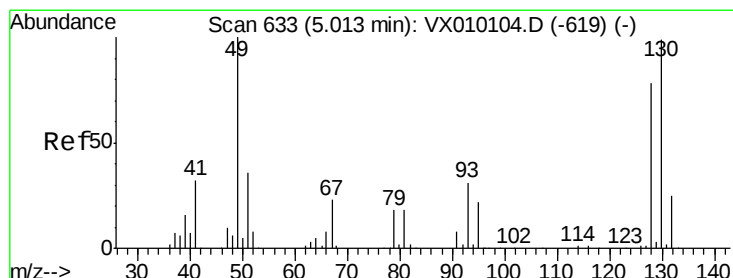
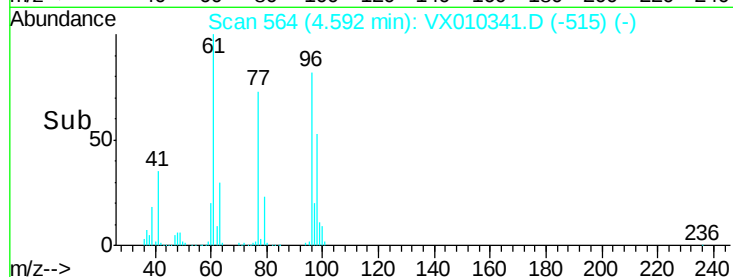
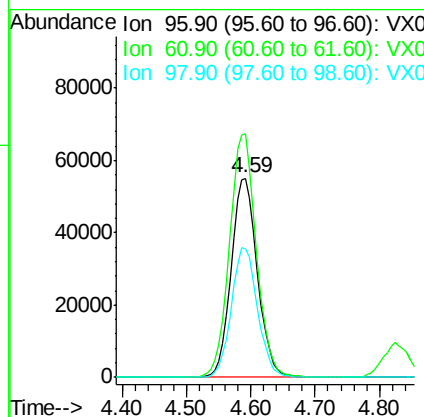
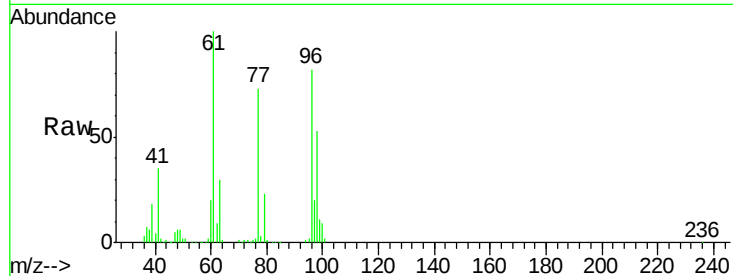
cis-1,2-Dichloroethene
Concen: 49.882 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.00 min
Lab File: VX010341.D
Acq: 18 Jun 2019 16:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100		156863		
61	125.9	0.0	334.0		
98	65.2	0.0	131.6		

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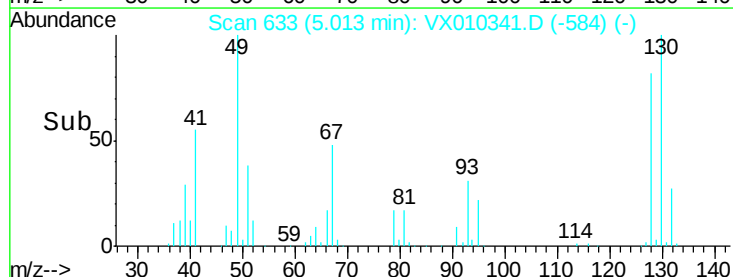
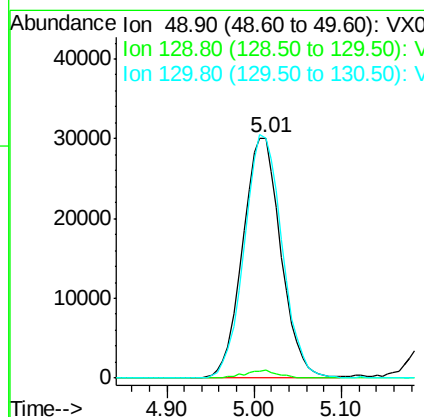
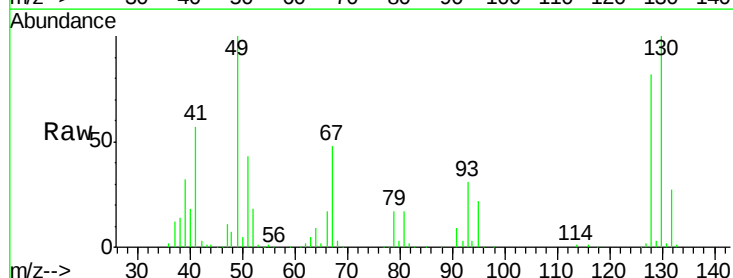
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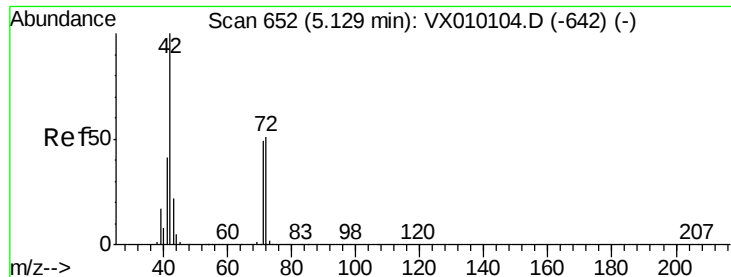


#28

Bromochloromethane
Concen: 45.628 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.00 min
Lab File: VX010341.D
Acq: 18 Jun 2019 16:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
49	100		91527		
129	2.8	0.0	3.4		
130	100.3	49.4	74.2#		





#29

Tetrahydrofuran

Concen: 240.563 ug/l

RT: 5.12 min Scan# 651

Delta R.T. -0.01 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

Instrument :

MSVOA_X

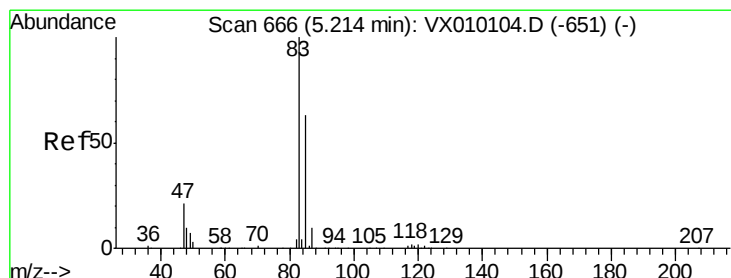
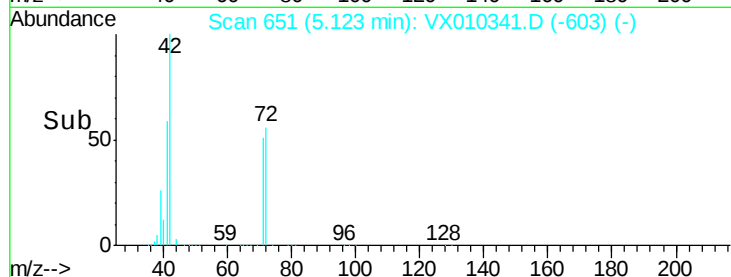
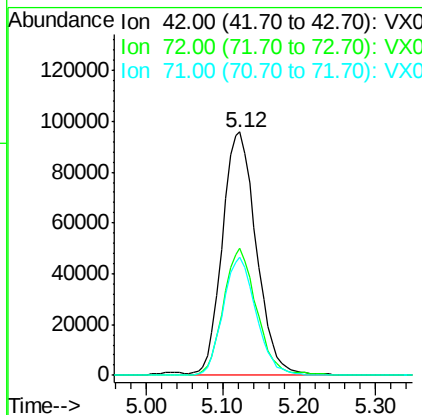
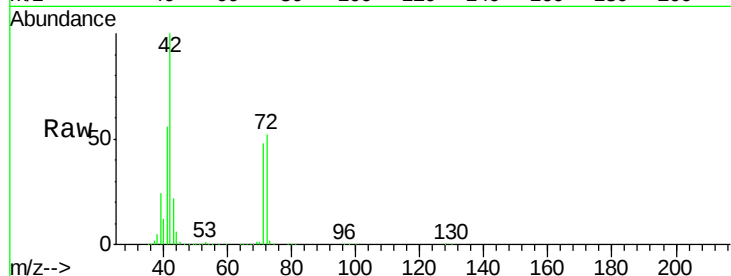
ClientSampleId :

VSTDCCC050EC

Tot Ion:	42	Resp:	293919
Ion	Ratio	Lower	Upper
42	100		
72	51.4	29.2	43.8#
71	47.3	27.6	41.4#

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#30

Chloroform

Concen: 50.180 ug/l

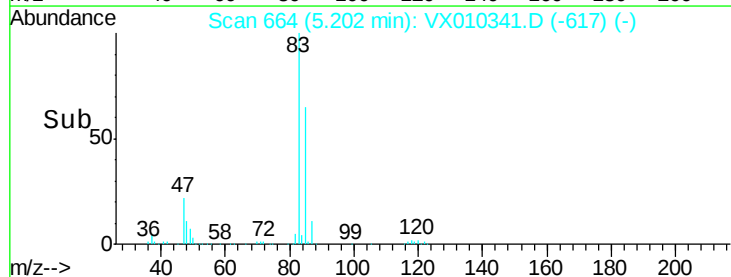
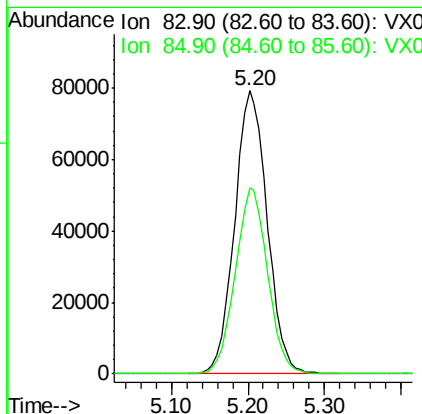
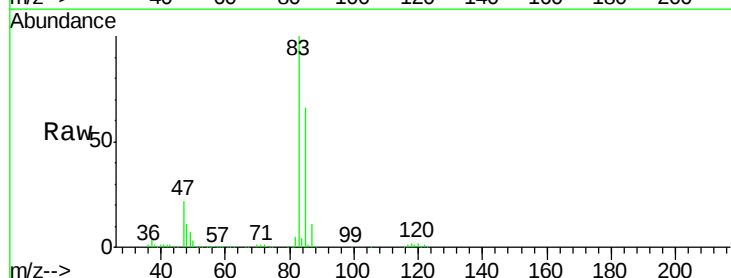
RT: 5.20 min Scan# 664

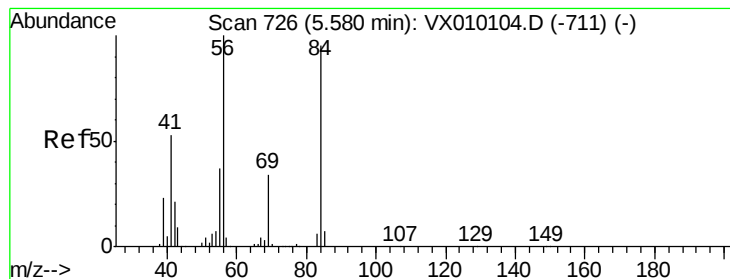
Delta R.T. -0.01 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

Tgt Ion:	83	Resp:	233253
Ion	Ratio	Lower	Upper
83	100		
85	65.8	52.6	78.8





#31

Cyclohexane

Concen: 47.217 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 190732

Ion Ratio Lower Upper

56 100

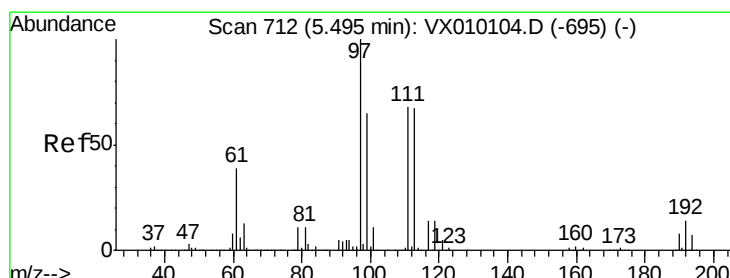
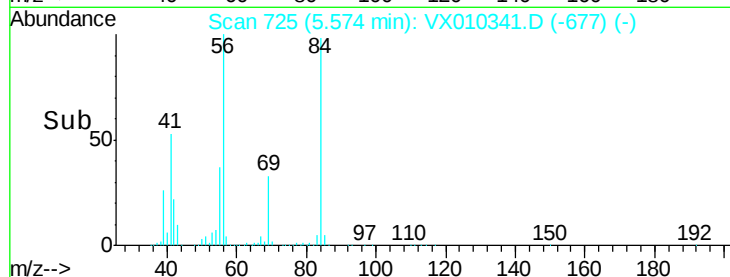
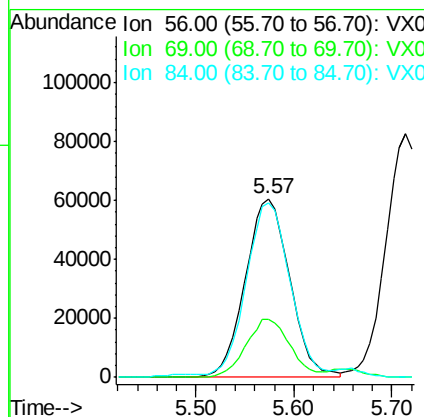
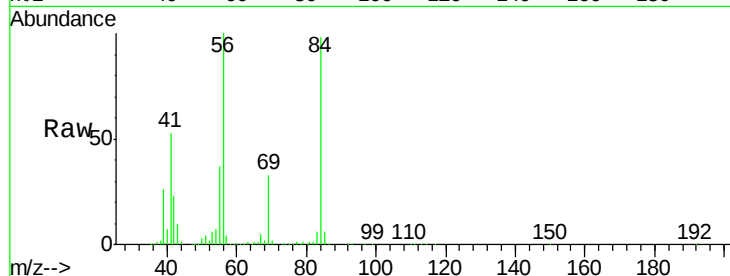
69 32.8 21.6 32.4#

84 96.4 56.8 85.2#

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#32

1,1,1-Trichloroethane

Concen: 47.918 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

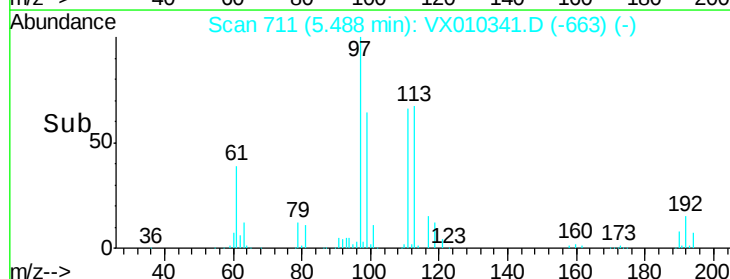
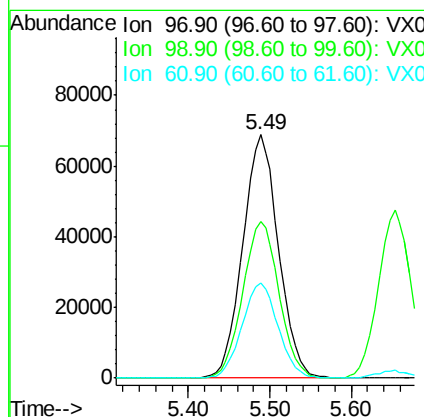
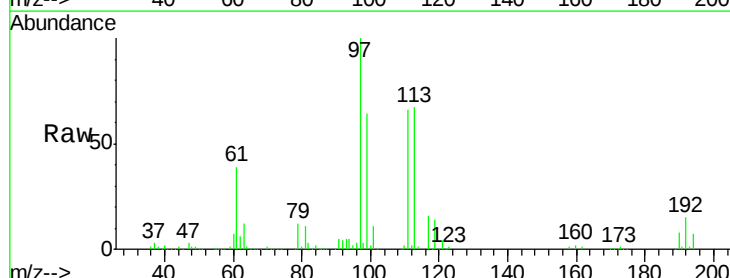
Tgt Ion: 97 Resp: 209398

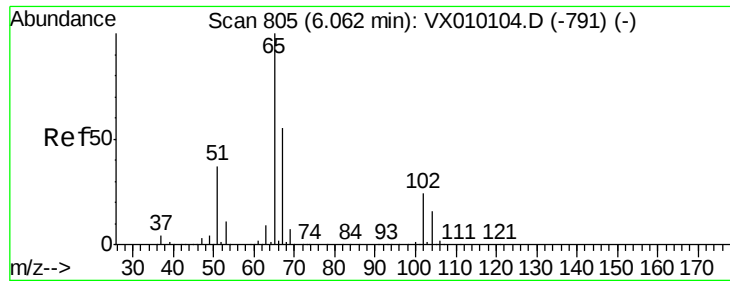
Ion Ratio Lower Upper

97 100

99 65.4 51.0 76.4

61 39.7 38.7 58.1





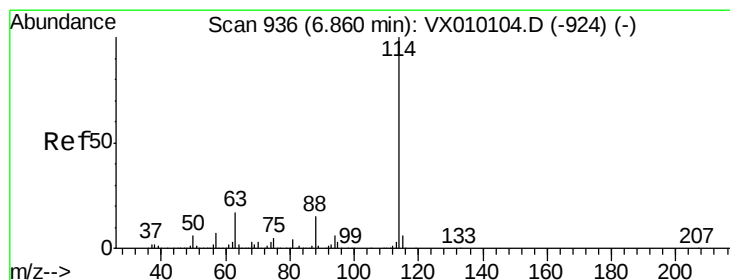
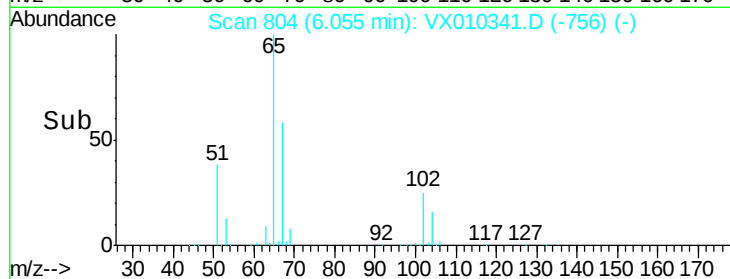
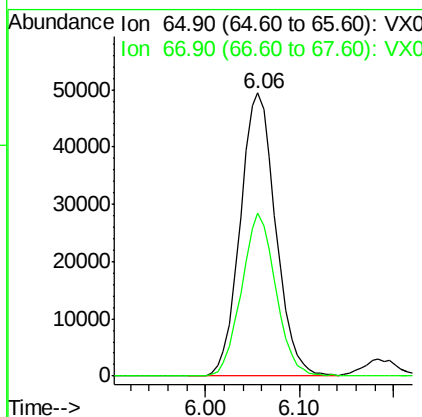
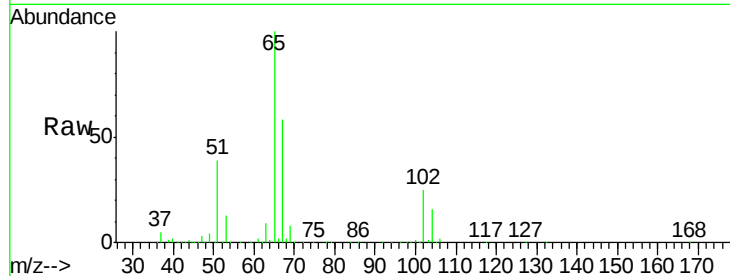
#33
 1,2-Dichloroethane-d4
 Concen: 46.841 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: VX010341.D
 Acq: 18 Jun 2019 16:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.8	0.0	108.4	

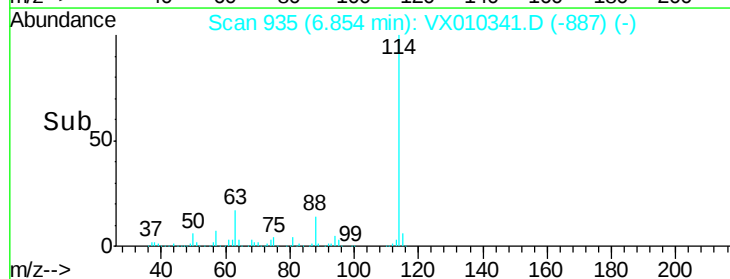
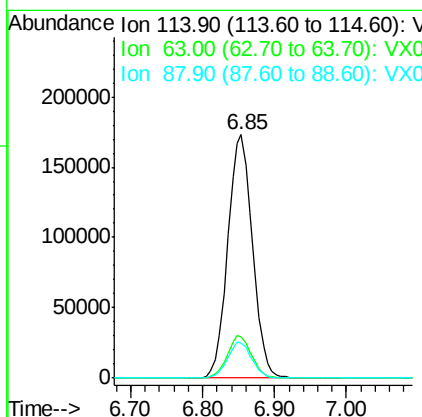
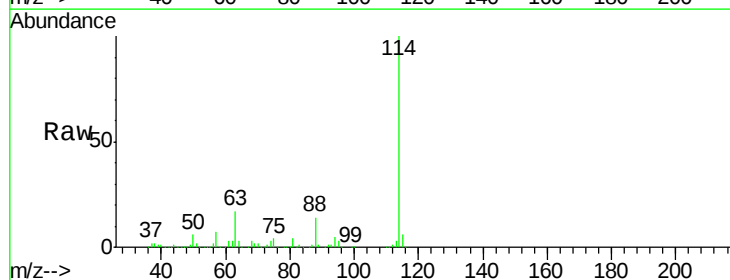
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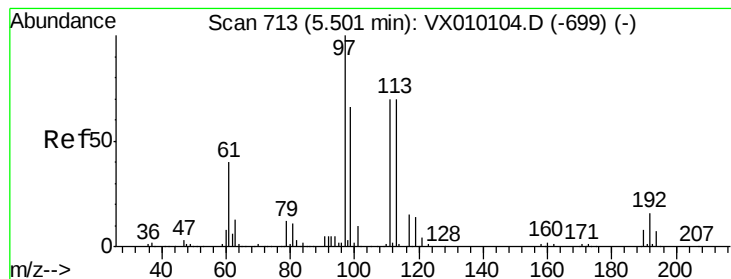
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX010341.D
 Acq: 18 Jun 2019 16:42

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	17.3	0.0	47.4	
88	14.5	0.0	33.0	





#35

Dibromofluoromethane

Concen: 51.483 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

Instrument :

MSVOA_X

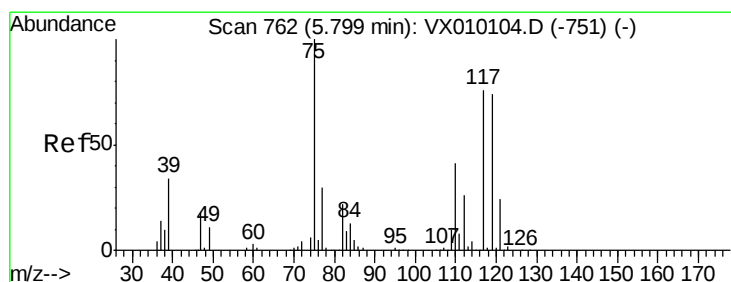
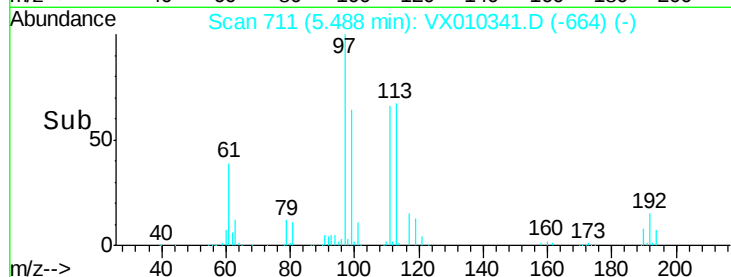
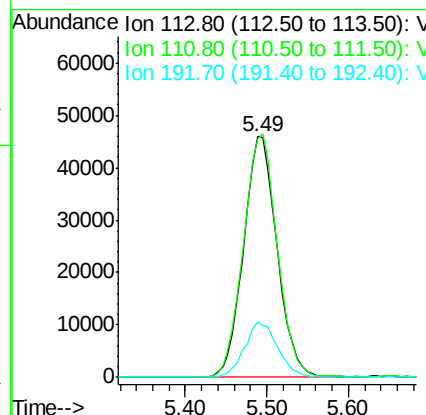
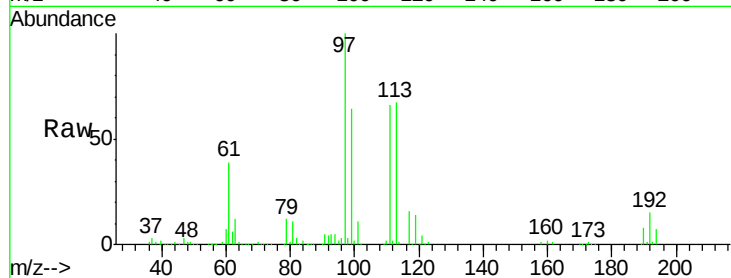
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	130931
Ion Ratio	Lower	Upper	
113	100		
111	102.3	82.2	123.2
192	23.0	17.1	25.7

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#36

1,1-Dichloropropene

Concen: 50.306 ug/l

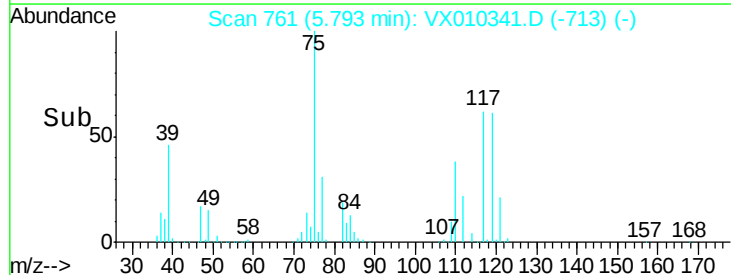
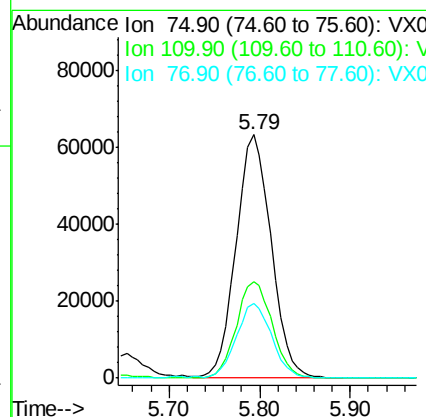
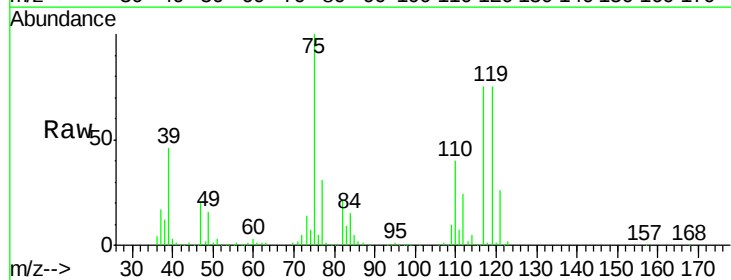
RT: 5.79 min Scan# 761

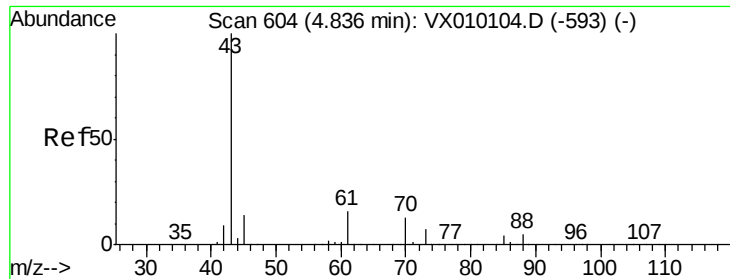
Delta R.T. -0.01 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

Tgt Ion:	75	Resp:	169216
Ion Ratio	Lower	Upper	
75	100		
110	40.8	16.7	50.1
77	31.4	25.0	37.4





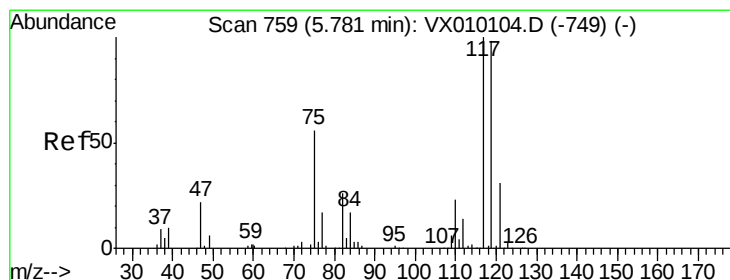
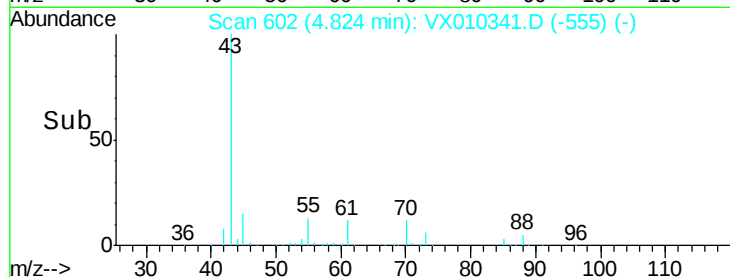
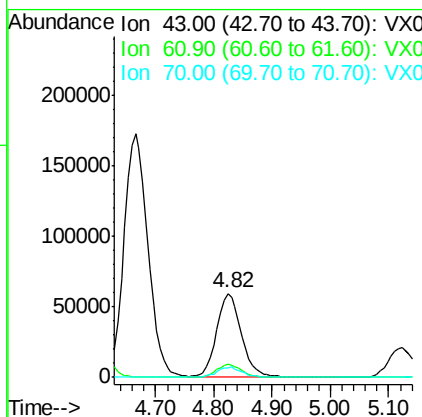
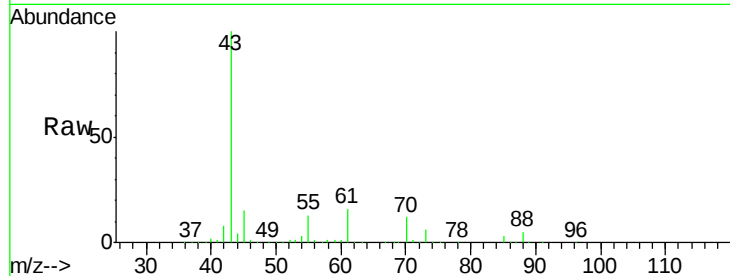
#37
Ethyl Acetate
Concen: 50.064 ug/l
RT: 4.82 min Scan# 602
Delta R.T. -0.01 min
Lab File: VX010341.D
Acq: 18 Jun 2019 16:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.9	10.2	15.2#
70	12.2	7.4	11.2#

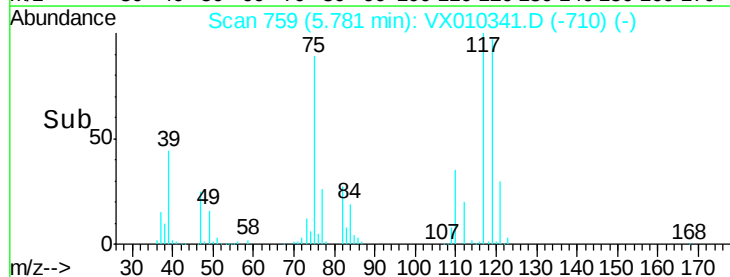
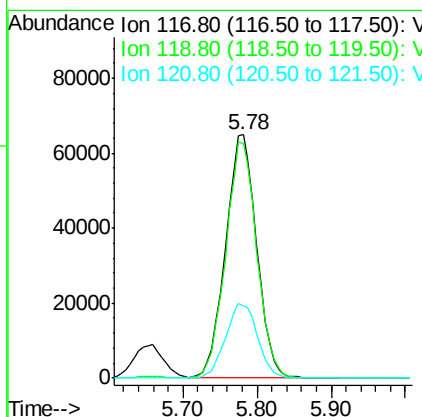
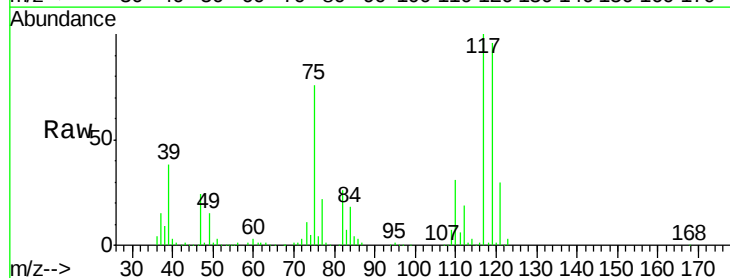
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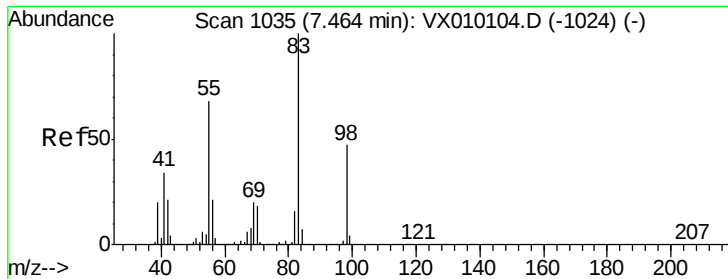
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#38
Carbon Tetrachloride
Concen: 49.813 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX010341.D
Acq: 18 Jun 2019 16:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	77.3	115.9
121	29.7	25.4	38.0





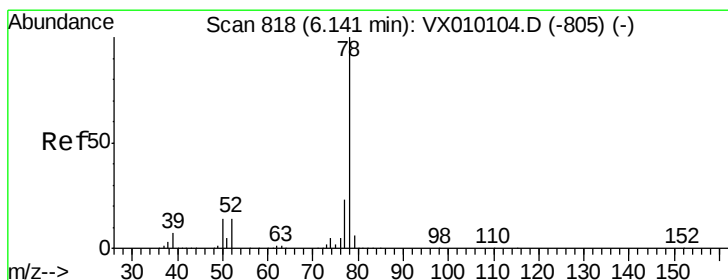
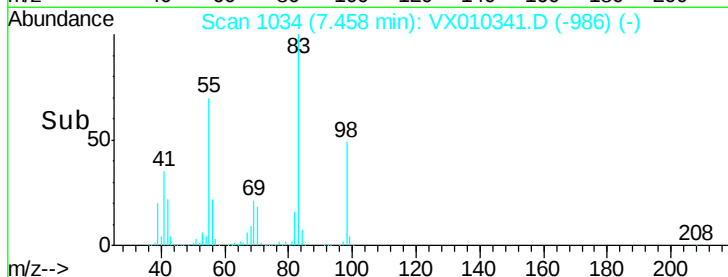
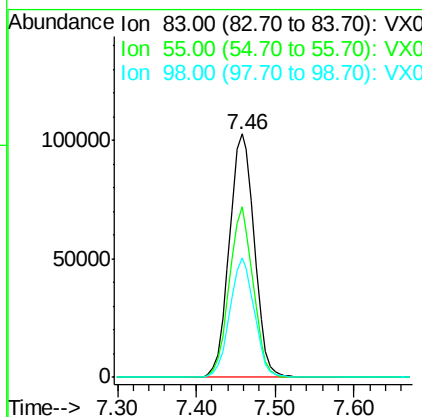
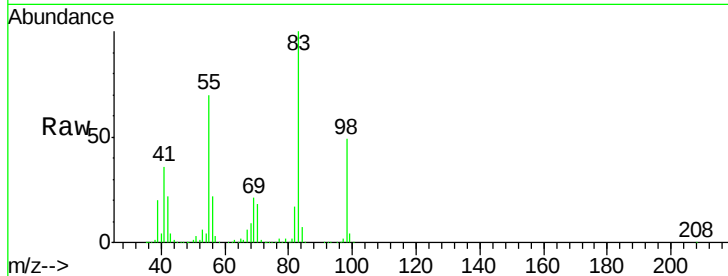
#39
Methvlcvclohexane
Concen: 49.331 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX010341.D
Acq: 18 Jun 2019 16:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	225956		
55	70.0		69.9	104.9
98	49.0		35.1	52.7

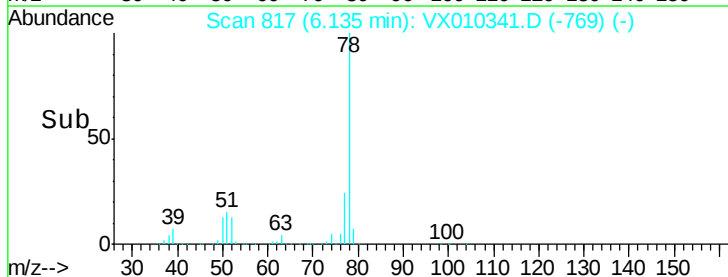
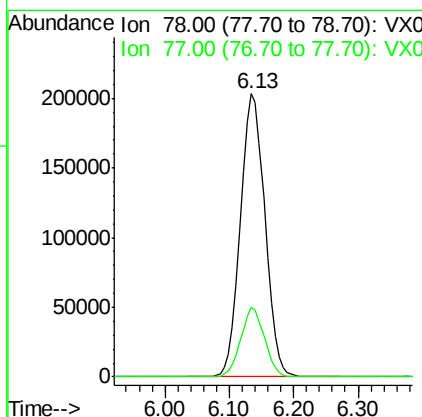
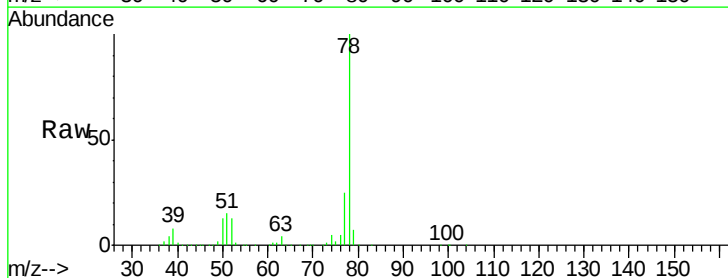
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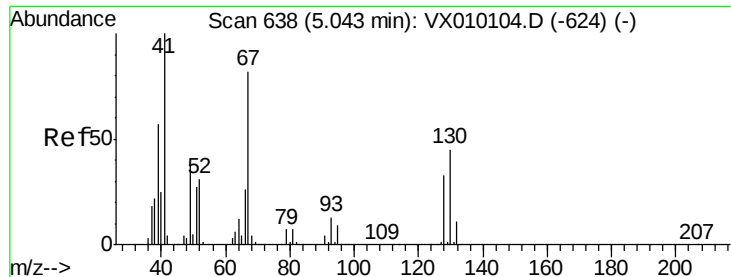
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#40
Benzene
Concen: 51.277 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.01 min
Lab File: VX010341.D
Acq: 18 Jun 2019 16:42

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	533353		
77	24.6		19.2	28.8





#41

Methacrylonitrile

Concen: 50.373 ug/l

RT: 5.03 min Scan# 636

Delta R.T. -0.01 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

Instrument :

MSVOA_X

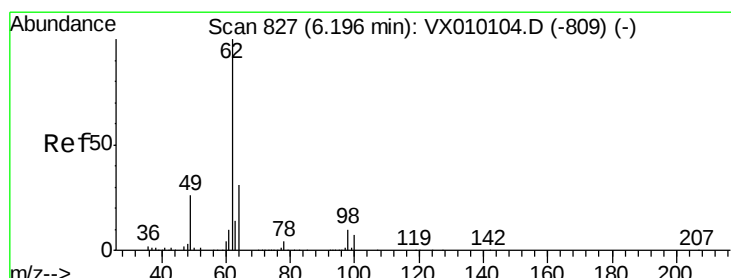
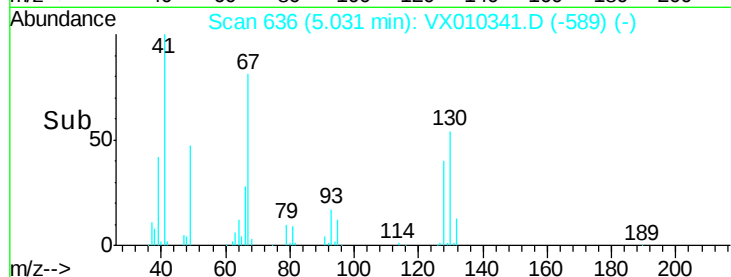
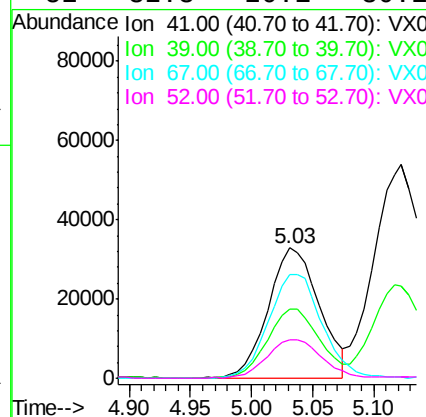
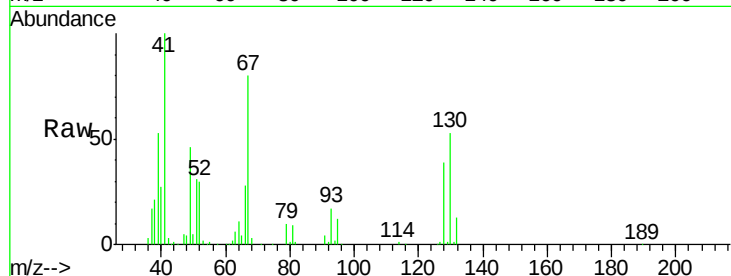
ClientSampleId :

VSTDCCC050EC

Tot Ion:	41	Resp:	95366
Ion Ratio	Lower	Upper	
41	100		
39	55.0	42.2	63.4
67	84.2	48.9	73.3#
52	32.3	20.1	30.1#

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6/20/2019 8:58:24 AM



#42

1,2-Dichloroethane

Concen: 50.322 ug/l

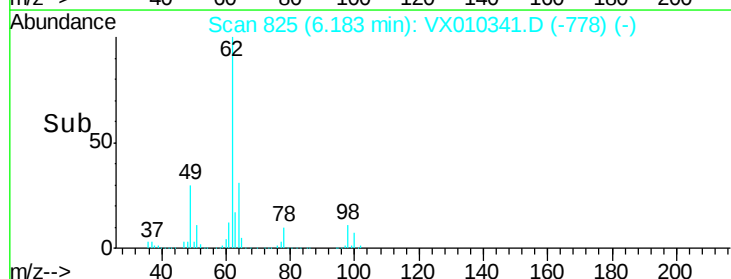
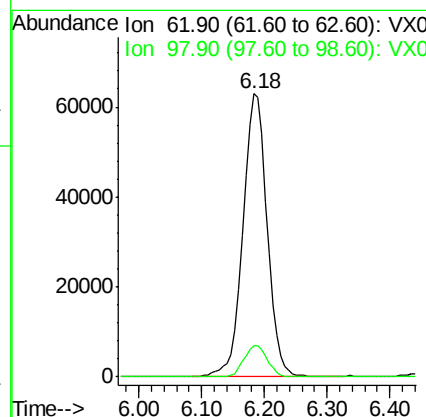
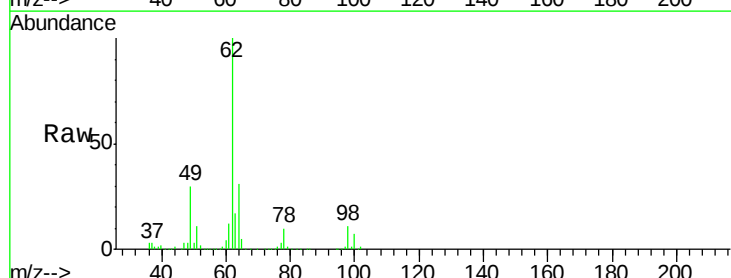
RT: 6.18 min Scan# 825

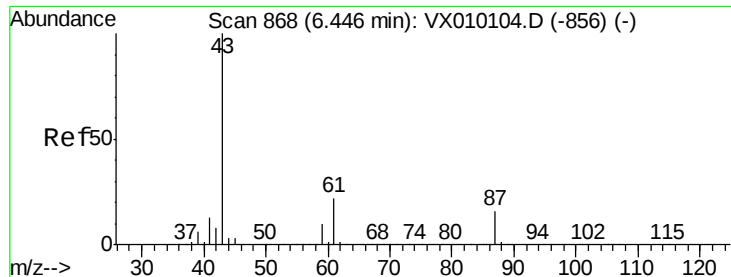
Delta R.T. -0.01 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

Tgt Ion:	62	Resp:	167103
Ion Ratio	Lower	Upper	
62	100		
98	10.8	0.0	17.2





#43

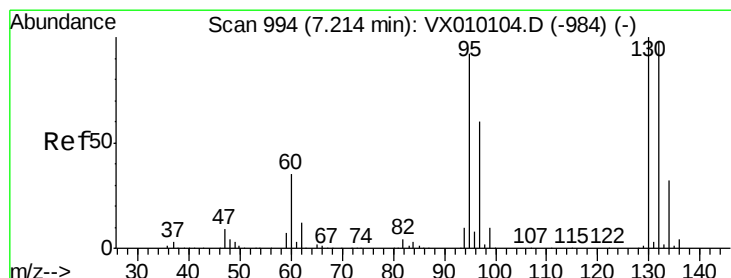
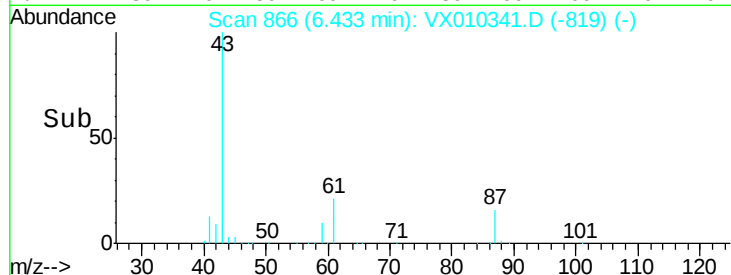
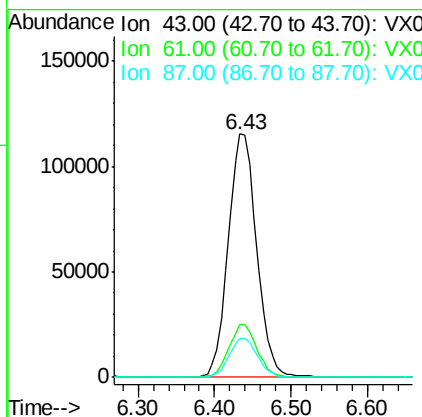
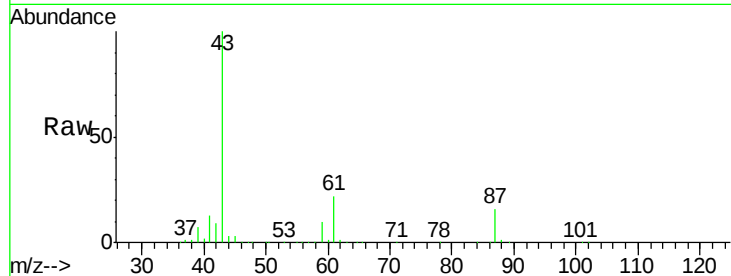
Isopropyl Acetate
 Concen: 50.653 ug/l
 RT: 6.43 min Scan# 866
 Delta R.T. -0.01 min
 Lab File: VX010341.D
 Acq: 18 Jun 2019 16:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.5	14.6	21.8
87	15.8	8.7	13.1

Manual Integrations
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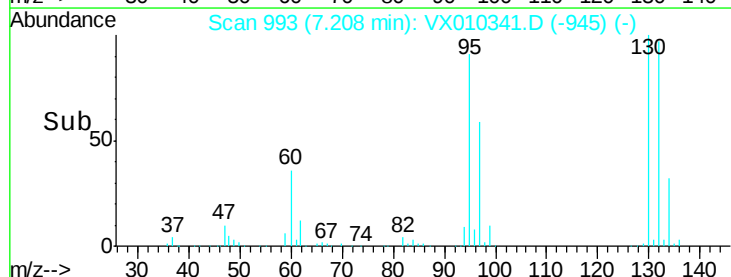
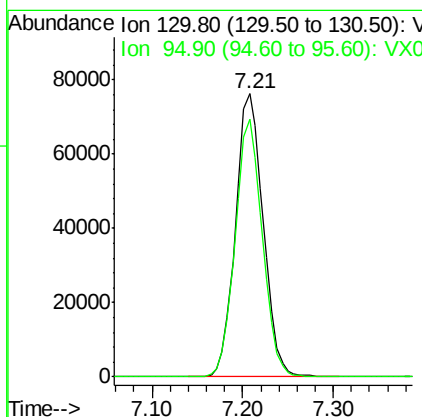
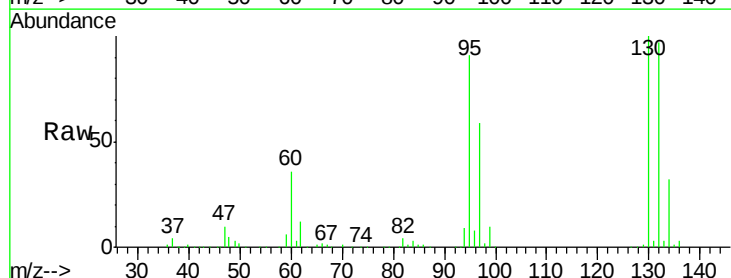
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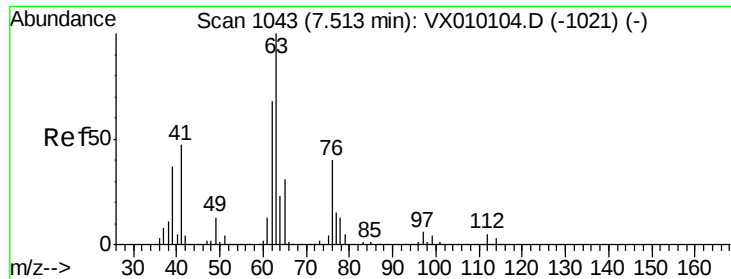


#44

Trichloroethene
 Concen: 51.490 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: VX010341.D
 Acq: 18 Jun 2019 16:42

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.1	0.0	207.4





#45

1,2-Dichloropropane

Concen: 52.806 ug/l

RT: 7.51 min Scan# 1042

Delta R.T. -0.01 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 137473

Ion Ratio Lower Upper

63 100

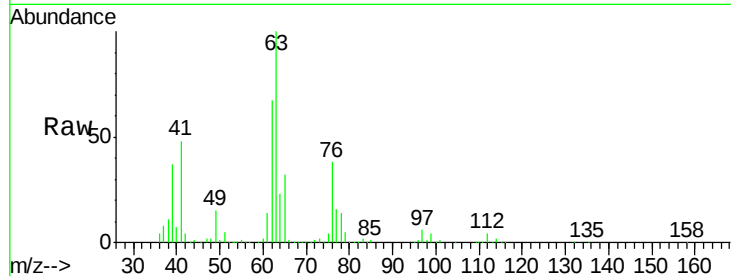
65 31.6 25.7 38.5

Manual Integrations

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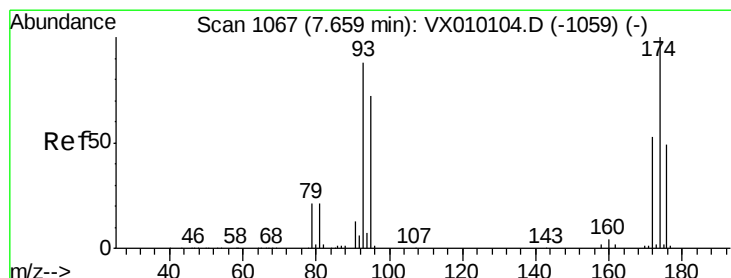
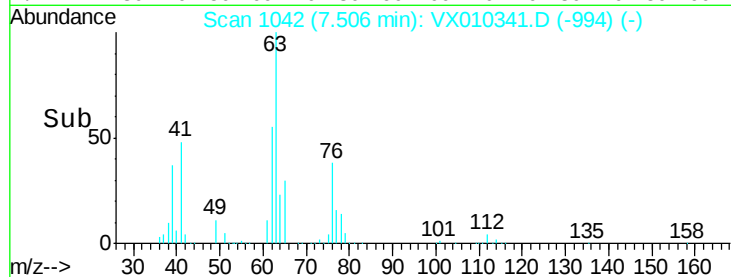
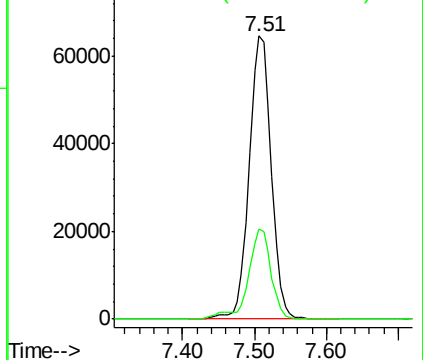
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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 49.778 ug/l

RT: 7.65 min Scan# 1066

Delta R.T. -0.01 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

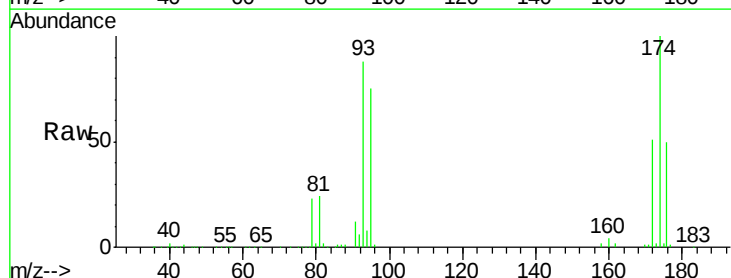
Tgt Ion: 93 Resp: 97087

Ion Ratio Lower Upper

93 100

95 84.6 66.8 100.2

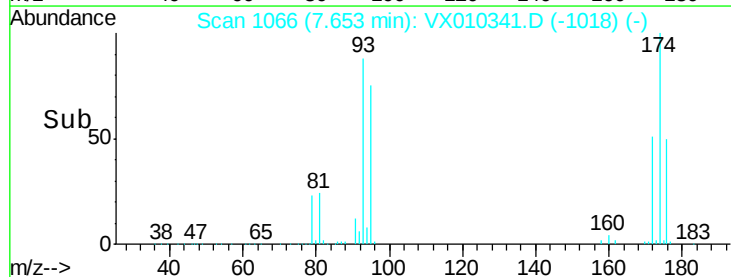
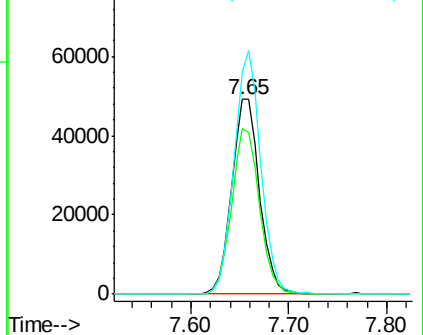
174 120.2 81.9 122.9

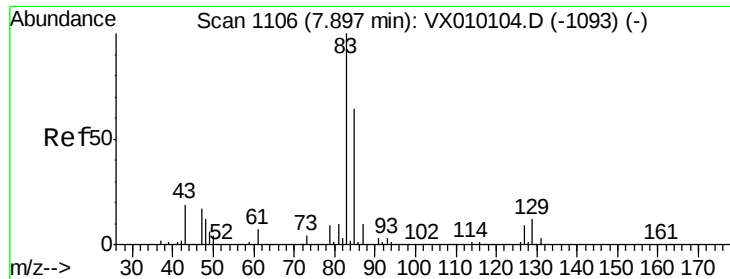


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 51.128 ug/l

RT: 7.89 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

Instrument :

MSVOA_X

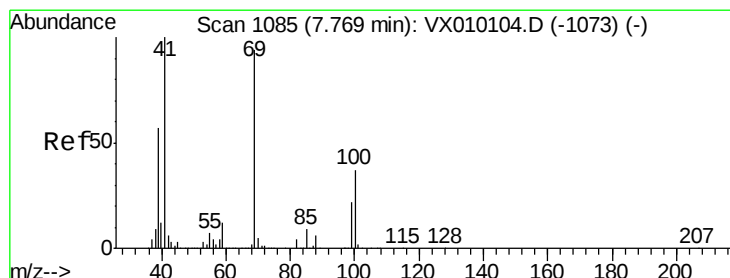
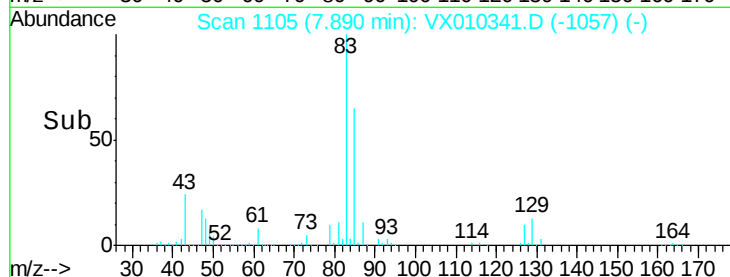
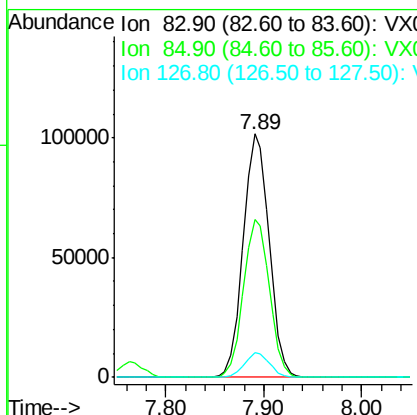
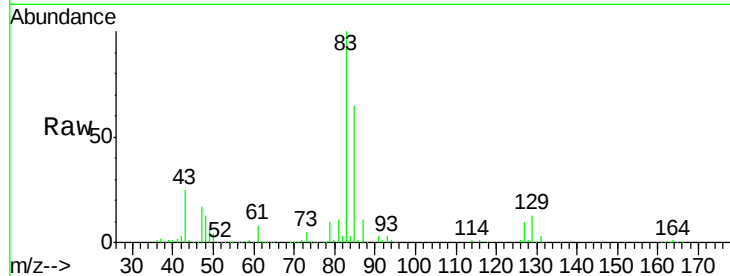
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	186336
Ion Ratio	Lower	Upper	
83	100		
85	64.7	51.4	77.2
127	10.3	6.4	9.6#

Manual Integrations
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#48

Methyl methacrylate

Concen: 51.278 ug/l

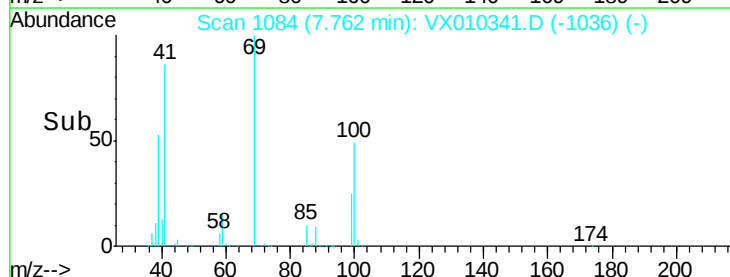
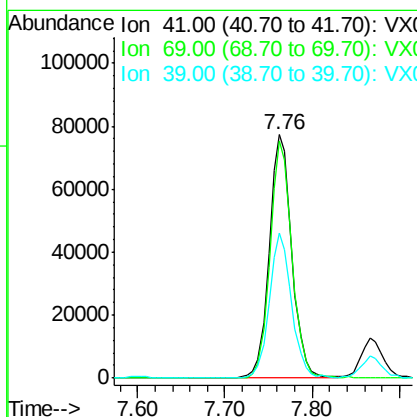
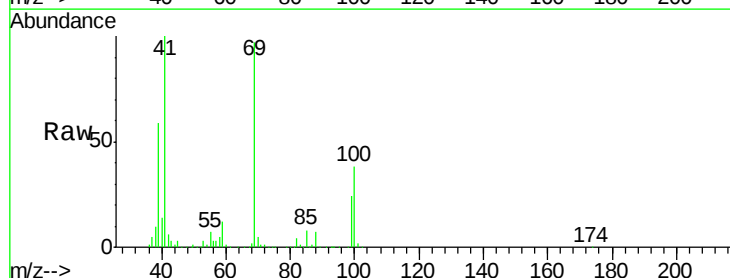
RT: 7.76 min Scan# 1084

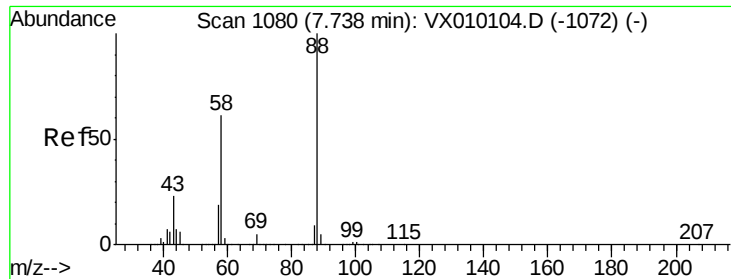
Delta R.T. -0.01 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

Tgt Ion:	41	Resp:	140333
Ion Ratio	Lower	Upper	
41	100		
69	94.8	56.4	84.6#
39	57.9	40.6	60.8





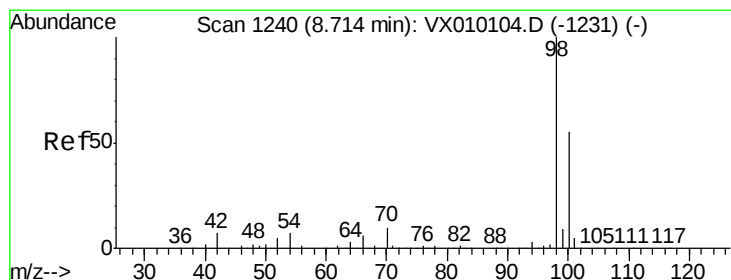
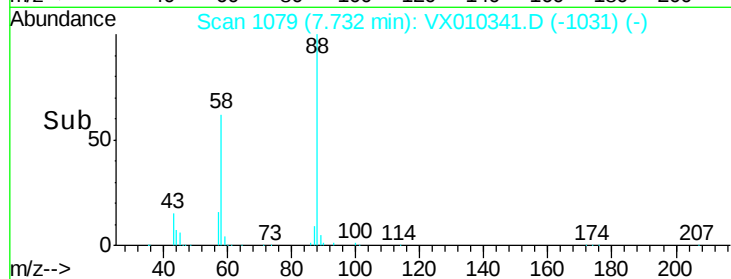
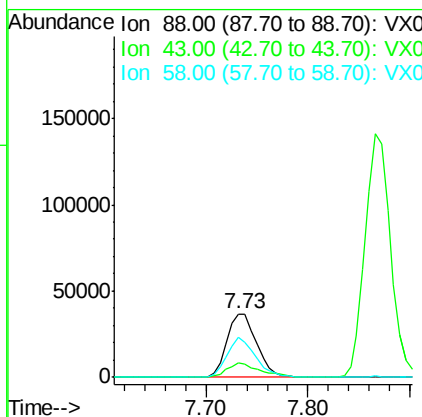
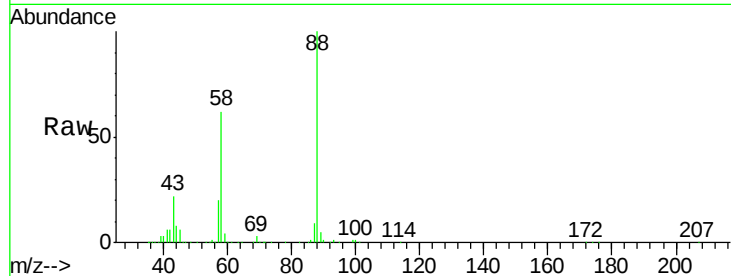
#49
 1,4-Dioxane
 Concen: 944.379 ug/l
 RT: 7.73 min Scan# 1079
 Delta R.T. -0.01 min
 Lab File: VX010341.D
 Acq: 18 Jun 2019 16:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	24.8	30.2	45.4#
58	61.2	64.0	96.0#

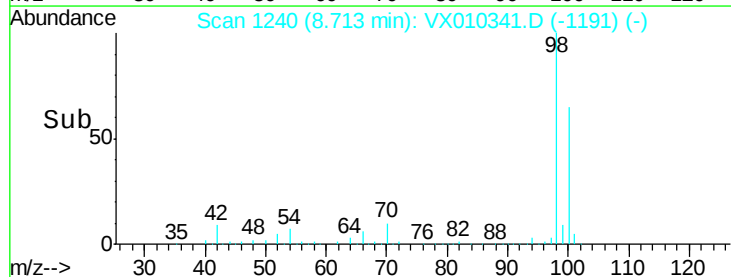
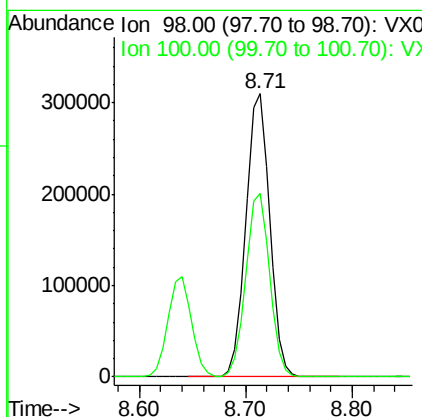
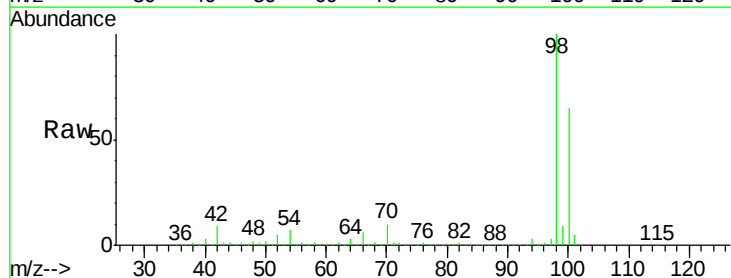
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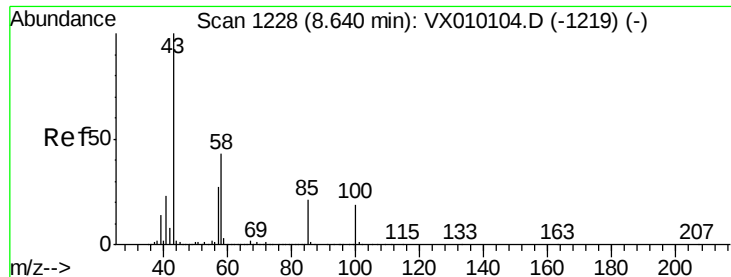
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#50
 Toluene-d8
 Concen: 51.273 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX010341.D
 Acq: 18 Jun 2019 16:42

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 269.182 ug/l

RT: 8.63 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 941023

Ion Ratio Lower Upper

43 100

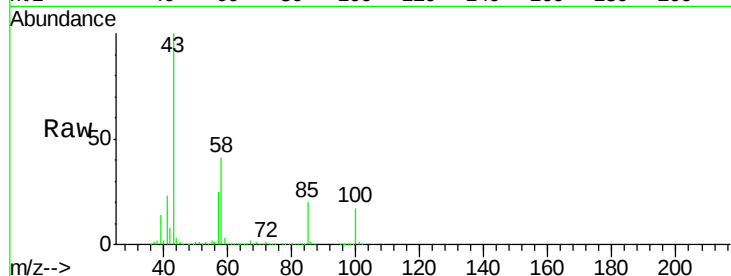
58 41.6 28.8 43.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.63

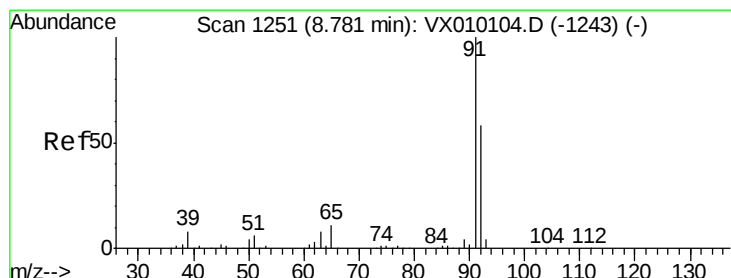
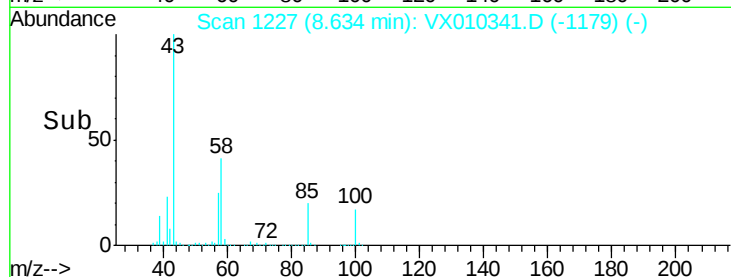
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 51.221 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX010341.D

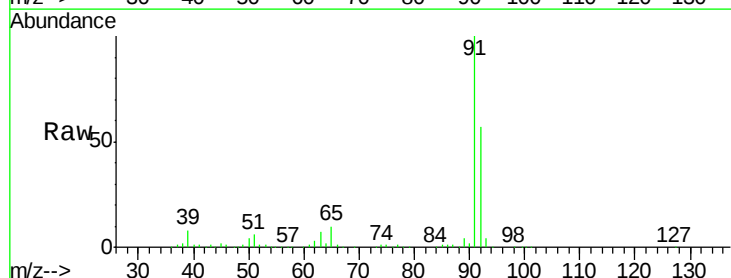
Acq: 18 Jun 2019 16:42

Tgt Ion: 92 Resp: 350214

Ion Ratio Lower Upper

92 100

91 175.1 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.78

400000

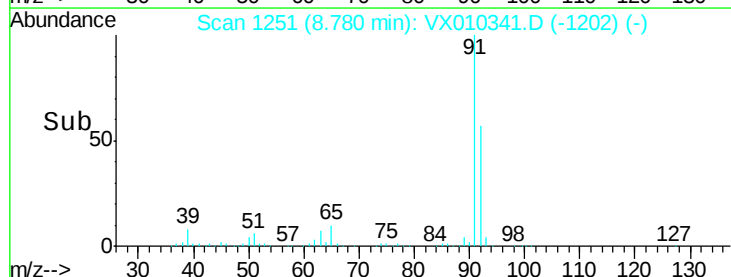
300000

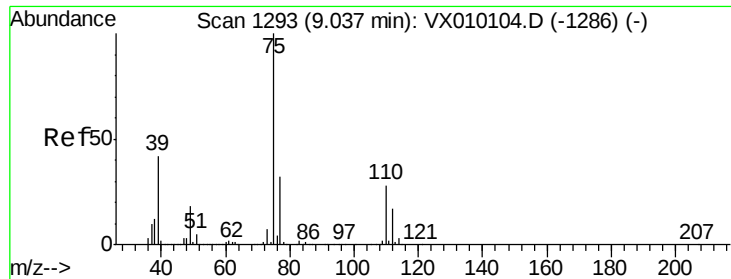
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 49.917 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. -0.00 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 210427

Ion Ratio Lower Upper

75 100

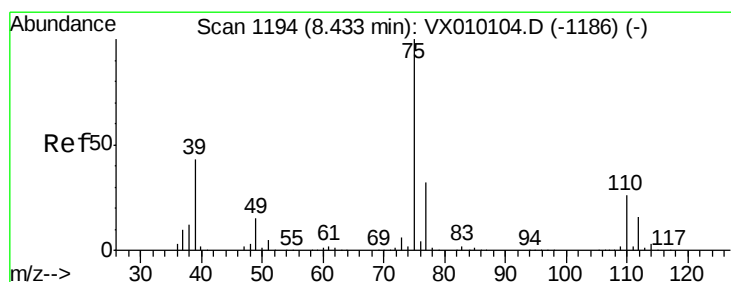
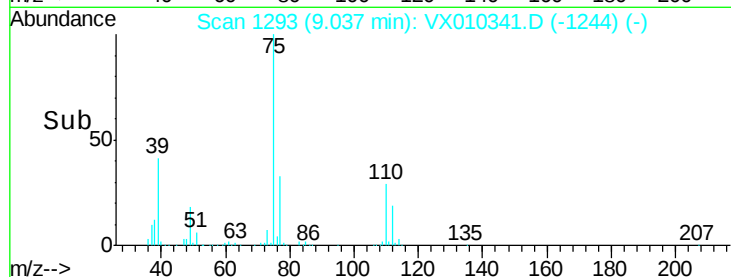
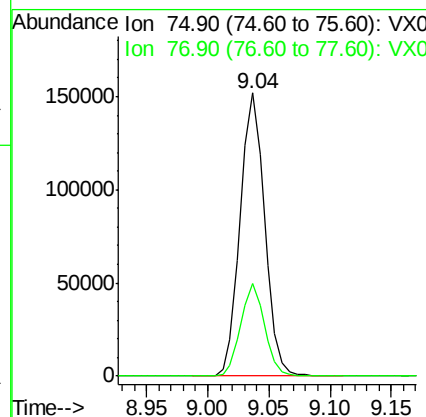
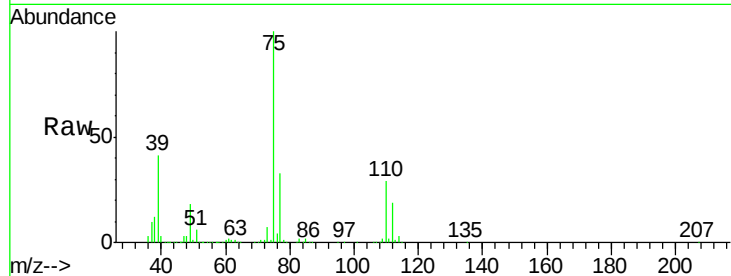
77 32.8 24.6 36.8

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 50.310 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

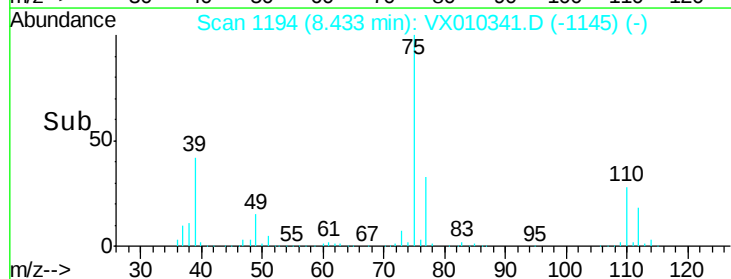
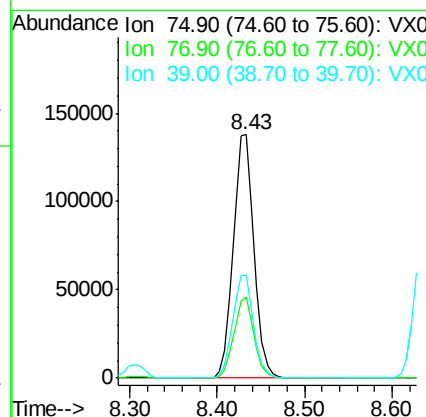
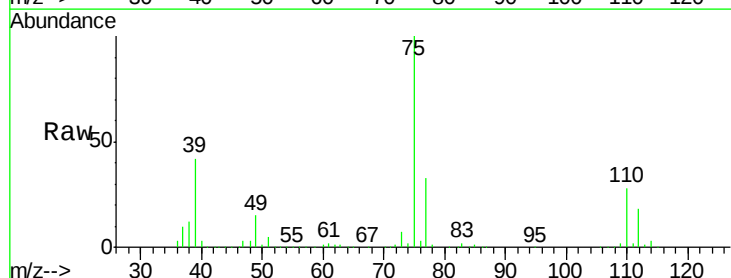
Tgt Ion: 75 Resp: 227364

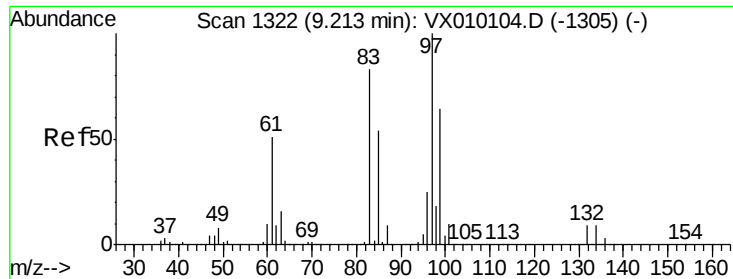
Ion Ratio Lower Upper

75 100

77 33.1 24.8 37.2

39 42.4 43.4 65.0#





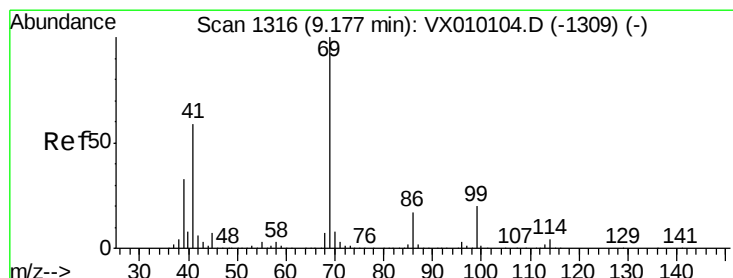
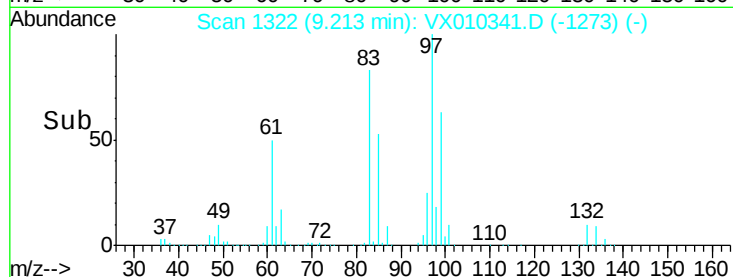
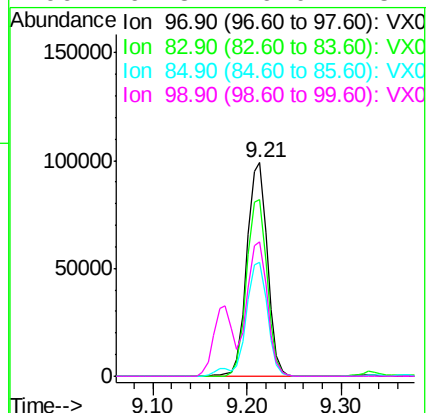
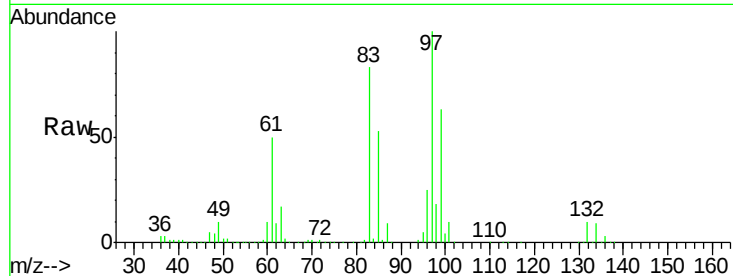
#55
 1,1,2-Trichloroethane
 Concen: 54.026 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX010341.D
 Acq: 18 Jun 2019 16:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	151281
Ion	Ratio	Lower	Upper
97	100		
83	82.6	69.8	104.8
85	53.5	45.3	67.9
99	62.8	49.0	73.4

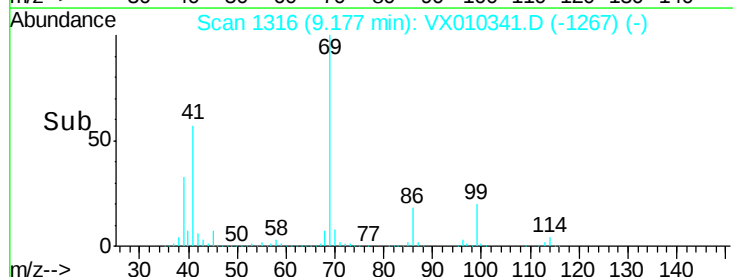
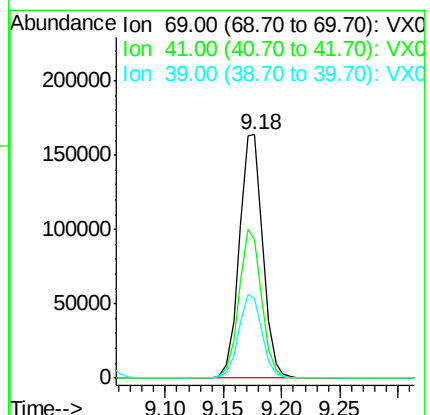
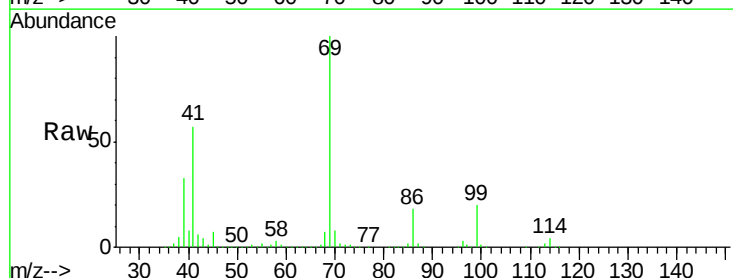
Manual Integrations
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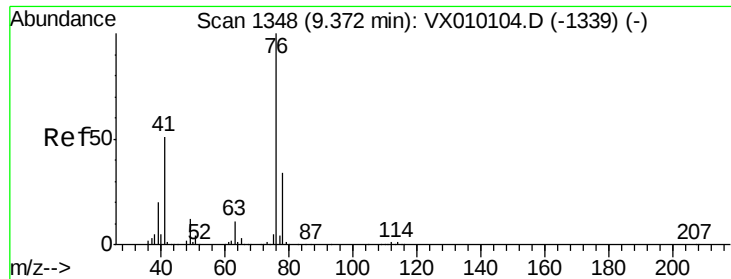
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#56
 Ethyl methacrylate
 Concen: 51.854 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX010341.D
 Acq: 18 Jun 2019 16:42

Tgt Ion:	69	Resp:	229366
Ion	Ratio	Lower	Upper
69	100		
41	58.7	62.7	94.1#
39	34.0	29.5	44.3





#57

1,3-Dichloropropane

Concen: 52.482 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.01 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 231361

Ion Ratio Lower Upper

76 100

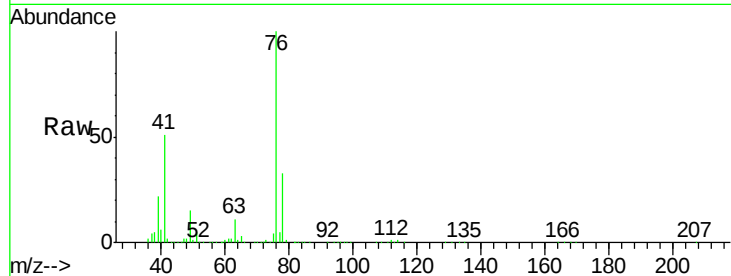
78 32.6 25.4 38.0

Manual Integrations

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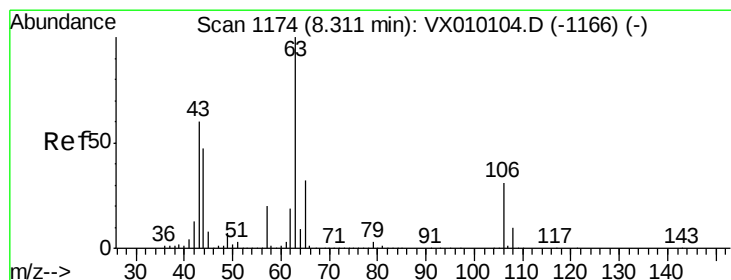
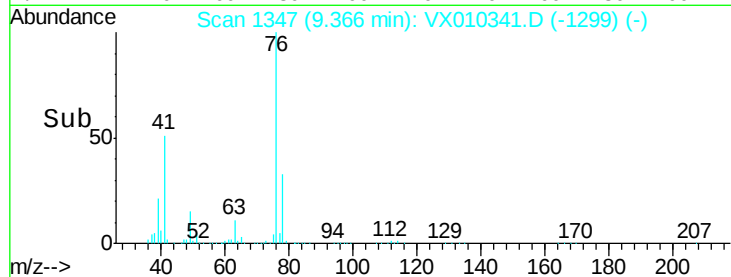
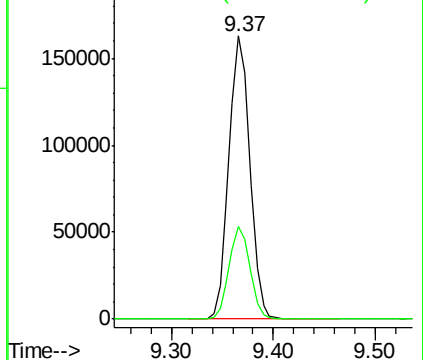
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 289.855 ug/l

RT: 8.30 min Scan# 1173

Delta R.T. -0.01 min

Lab File: VX010341.D

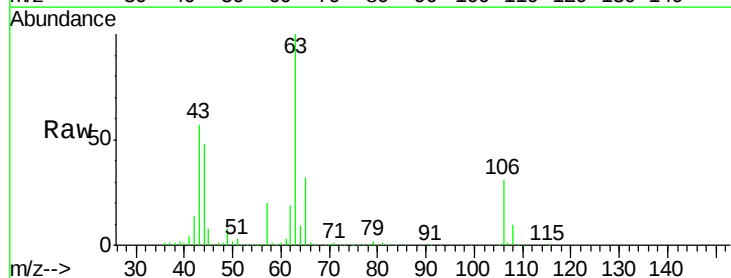
Acq: 18 Jun 2019 16:42

Tgt Ion: 63 Resp: 604419

Ion Ratio Lower Upper

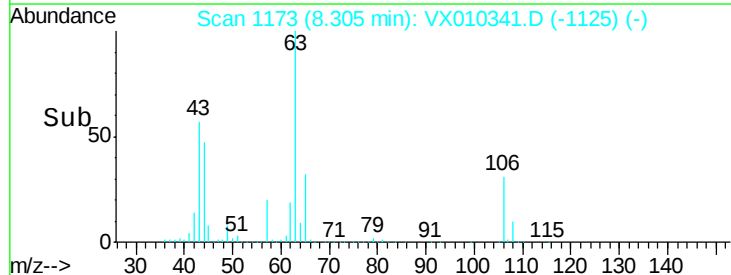
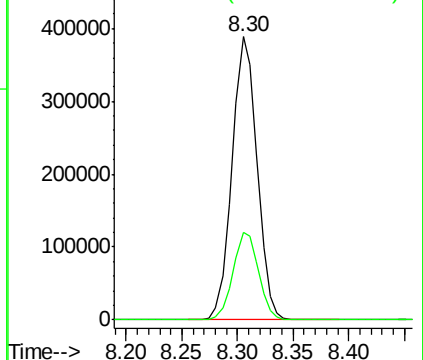
63 100

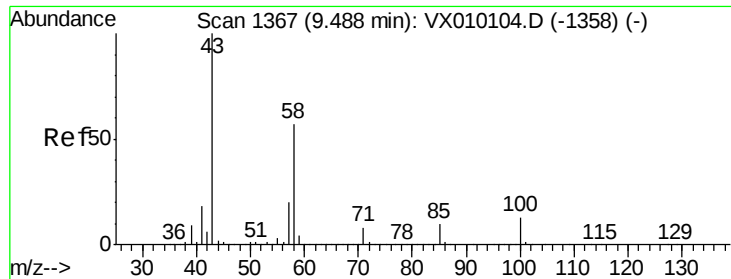
106 31.5 19.4 29.2#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





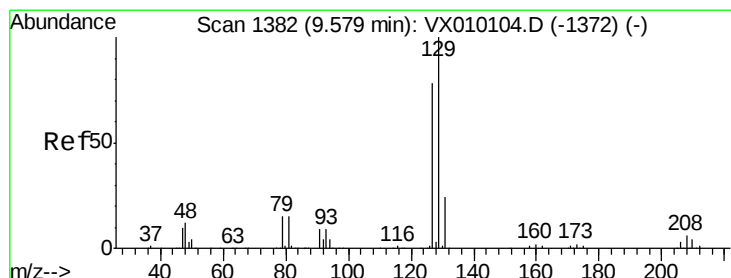
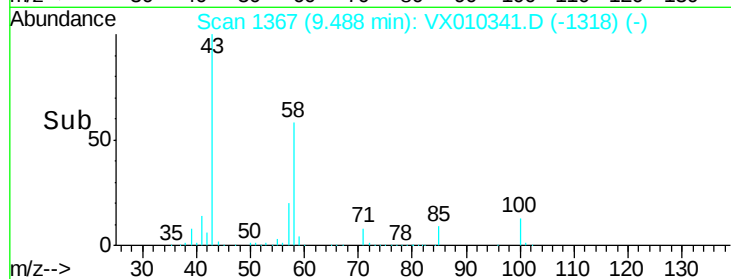
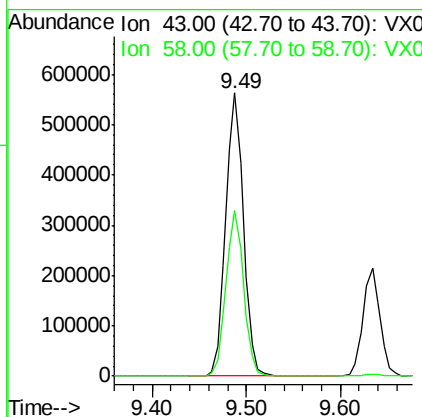
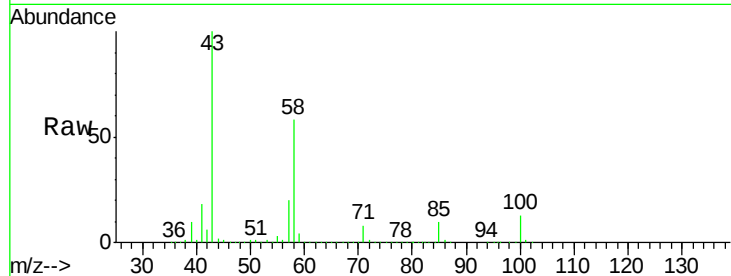
#59
2-Hexanone
Concen: 264.500 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX010341.D
Acq: 18 Jun 2019 16:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 737238
Ion Ratio Lower Upper
43 100
58 58.2 25.1 75.3

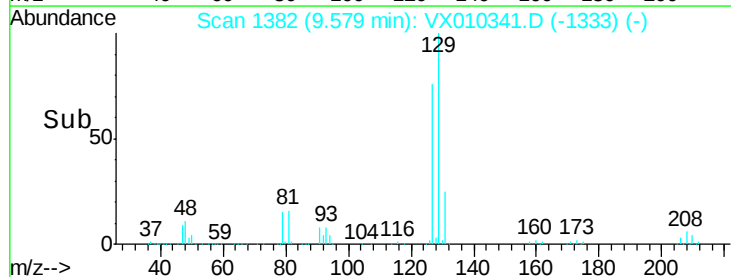
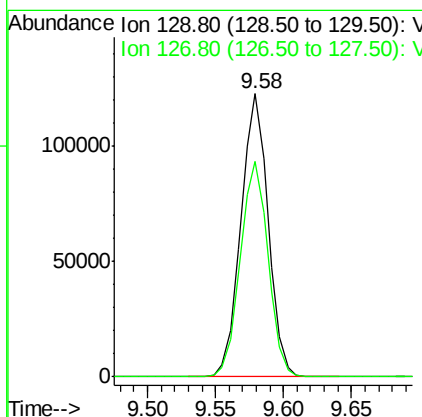
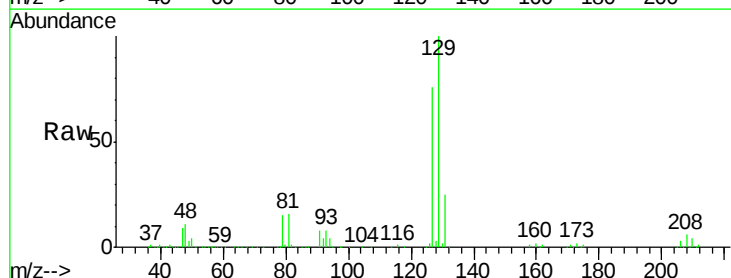
Manual Integrations
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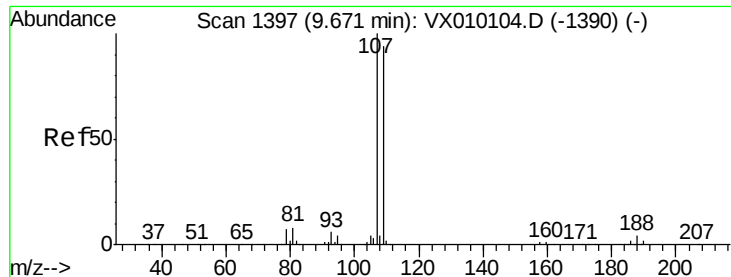
MMDadoda
6/20/2019 8:58:24 AM



#60
Dibromochloromethane
Concen: 51.859 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX010341.D
Acq: 18 Jun 2019 16:42

Tgt Ion: 129 Resp: 171764
Ion Ratio Lower Upper
129 100
127 77.4 38.5 115.5





#61

1,2-Dibromoethane

Concen: 51.369 ug/l

RT: 9.66 min Scan# 1396

Delta R.T. -0.01 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 160202

Ion Ratio Lower Upper

107 100

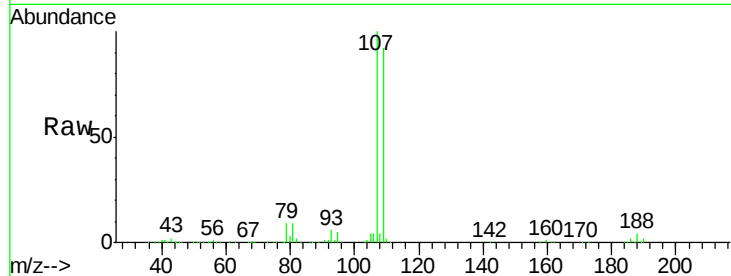
109 93.6 75.4 113.2

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.66

120000

100000

80000

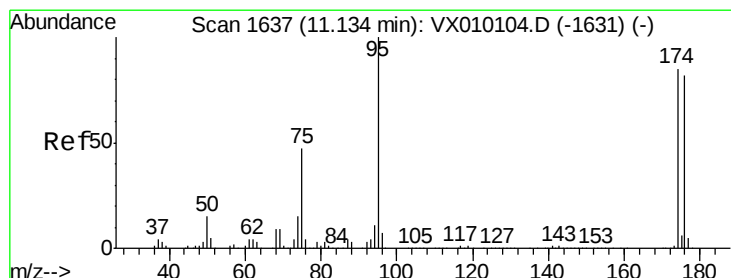
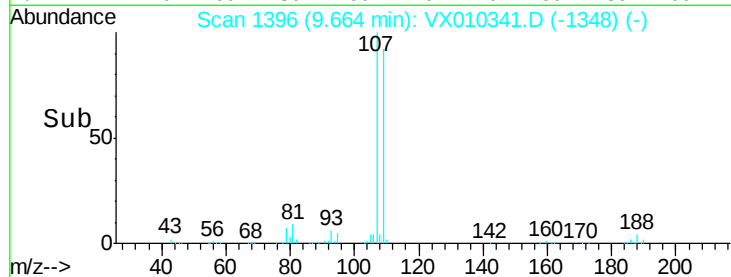
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 51.956 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

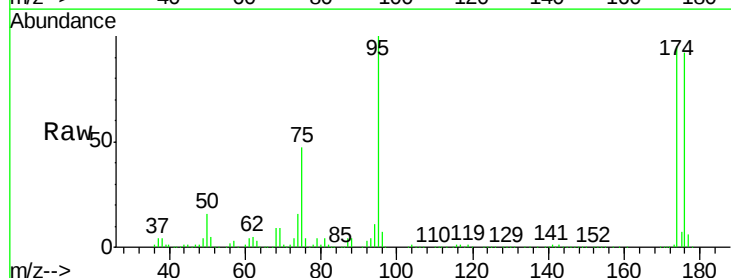
Tgt Ion: 95 Resp: 184944

Ion Ratio Lower Upper

95 100

174 95.3 0.0 160.4

176 92.5 0.0 154.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

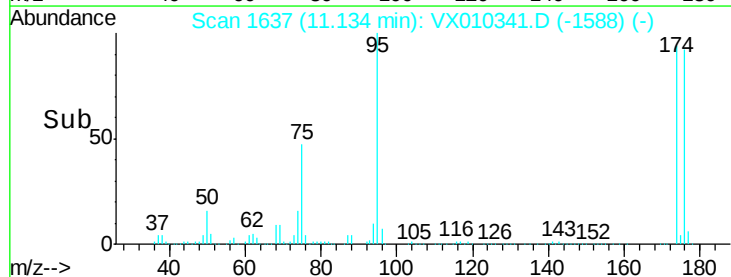
150000

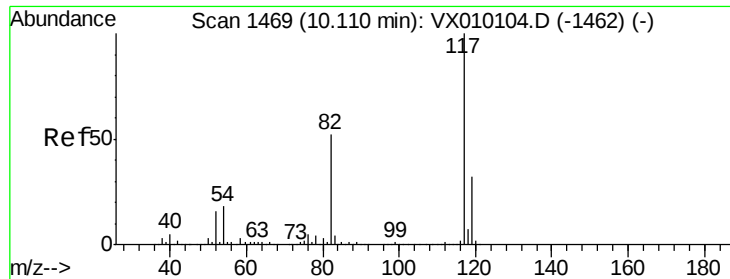
100000

50000

0

Time-->





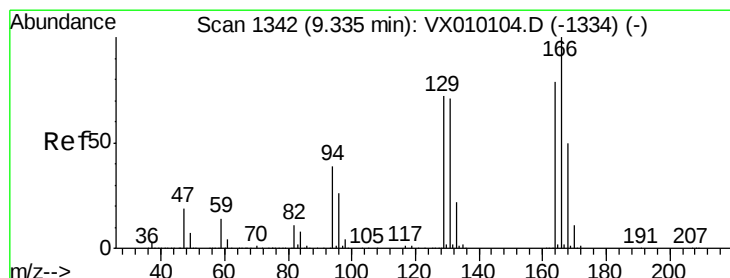
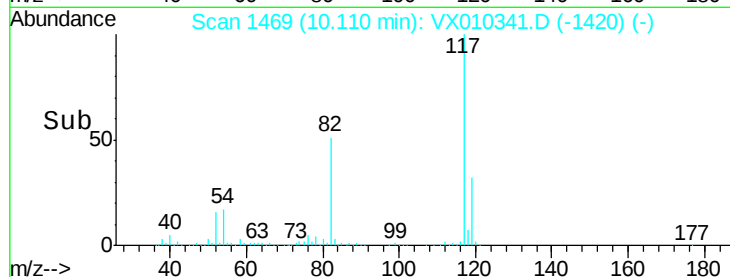
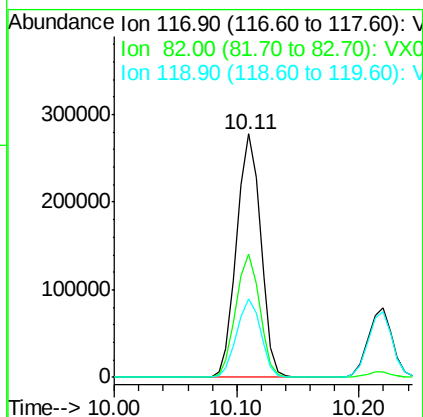
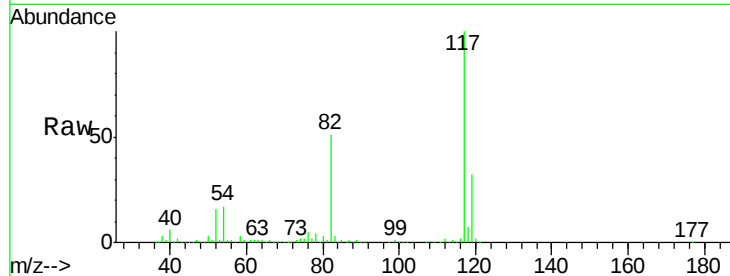
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010341.D
Acq: 18 Jun 2019 16:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	378915		
82	50.9		49.2	73.8
119	32.1		25.2	37.8

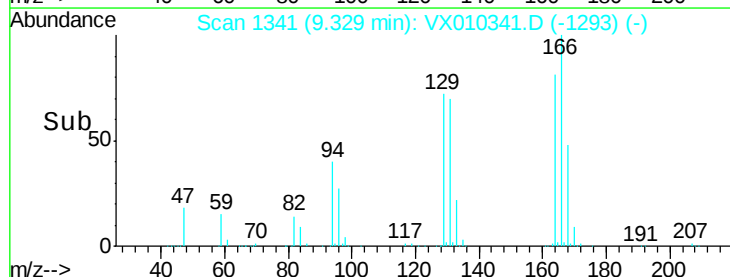
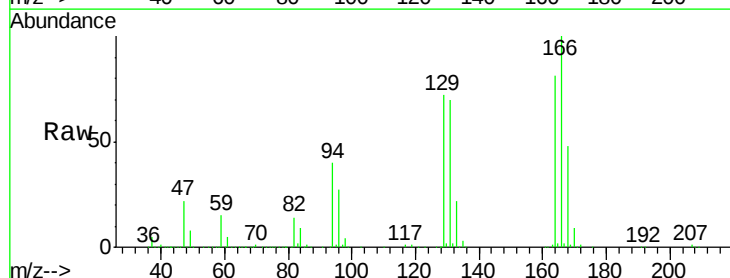
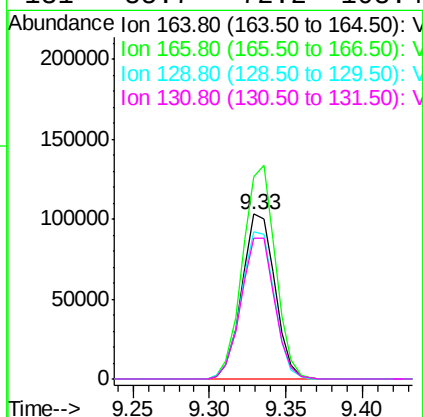
Manual Integrations
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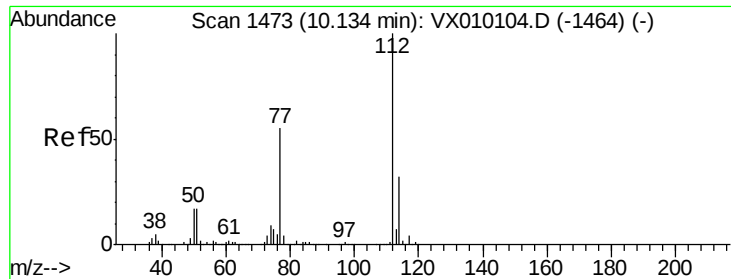
MMDadoda
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#64
Tetrachloroethene
Concen: 54.845 ug/l
RT: 9.33 min Scan# 1341
Delta R.T. -0.01 min
Lab File: VX010341.D
Acq: 18 Jun 2019 16:42

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	154350		
166	123.0		105.0	157.4
129	89.1		75.1	112.7
131	85.7		72.2	108.4





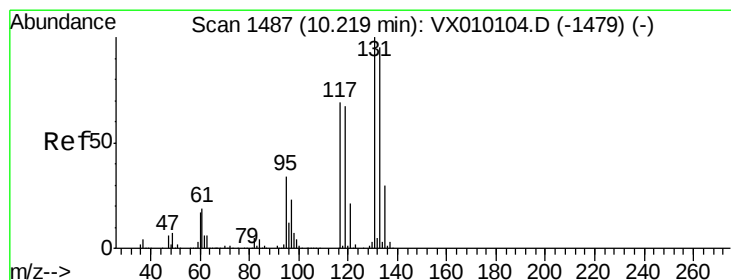
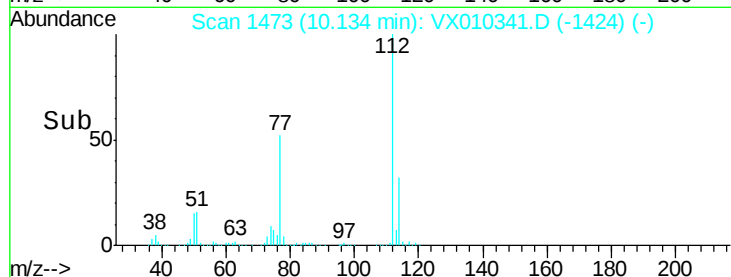
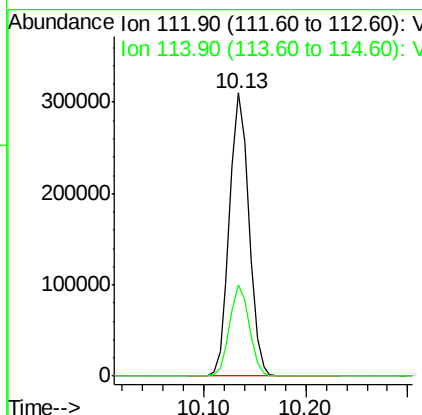
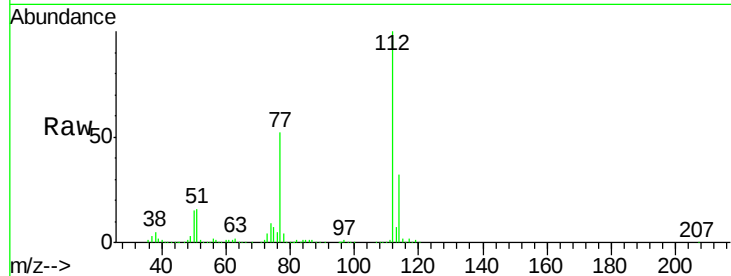
#65
Chlorobenzene
Concen: 52.196 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VX010341.D
Acq: 18 Jun 2019 16:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.5	25.8	38.8

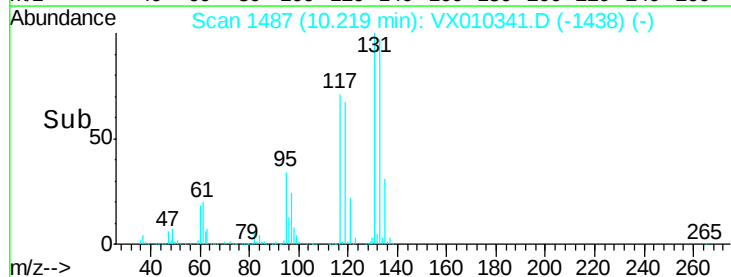
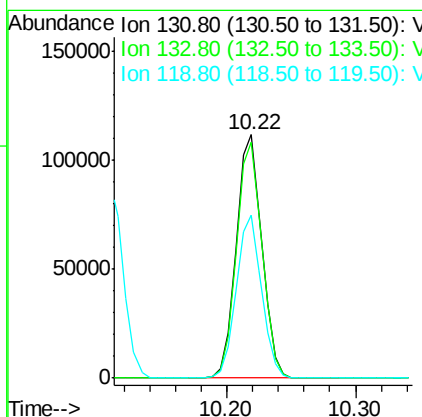
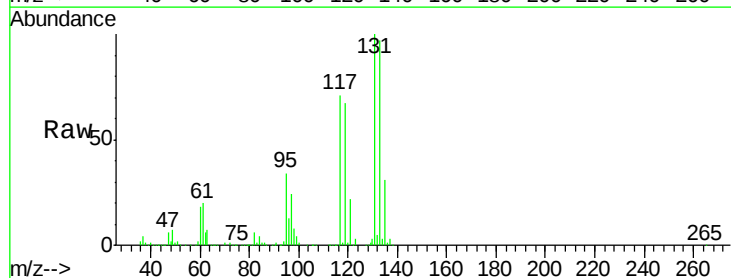
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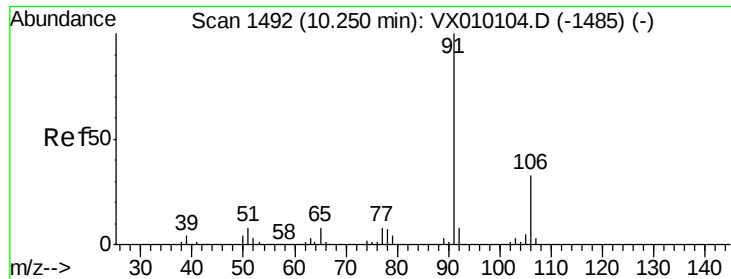
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.068 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX010341.D
Acq: 18 Jun 2019 16:42

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.0	47.5	142.6
119	66.5	33.4	100.1





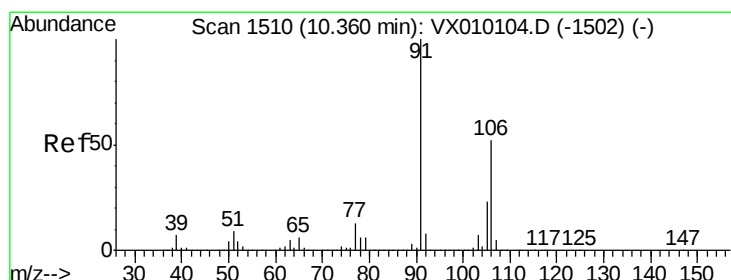
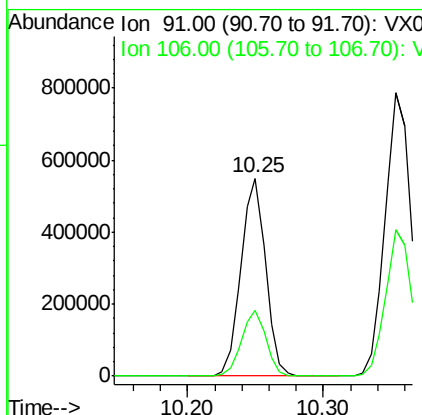
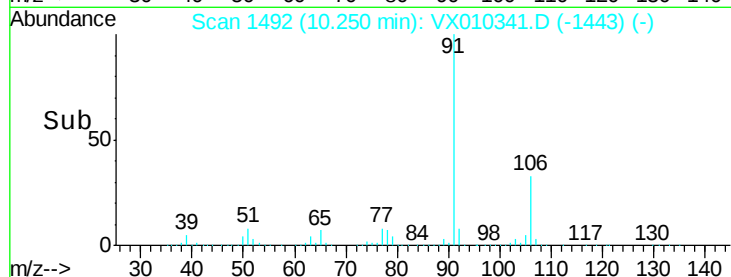
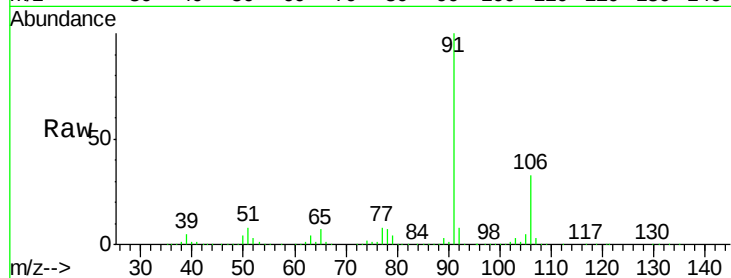
#67
Ethyl Benzene
Concen: 52.192 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX010341.D
Acq: 18 Jun 2019 16:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 694845
Ion Ratio Lower Upper
91 100
106 33.1 23.9 35.9

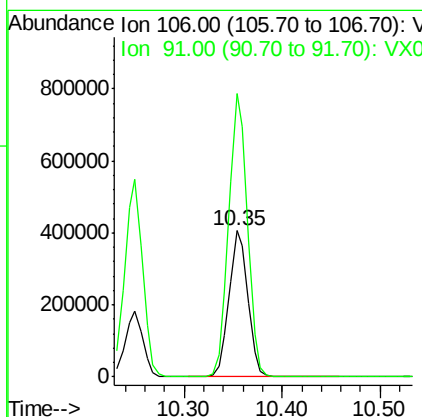
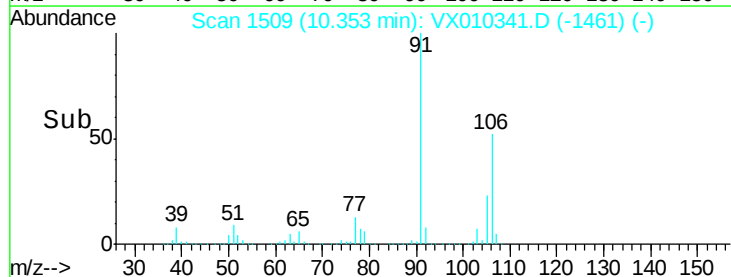
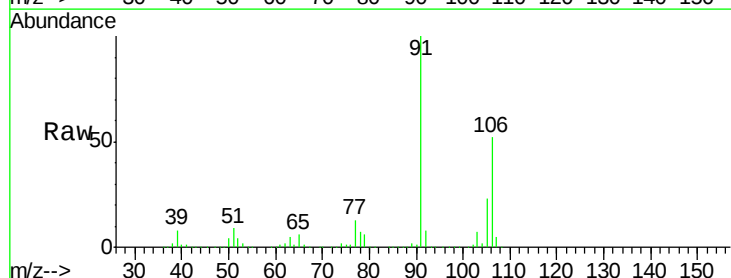
Manual Integrations
APPROVED

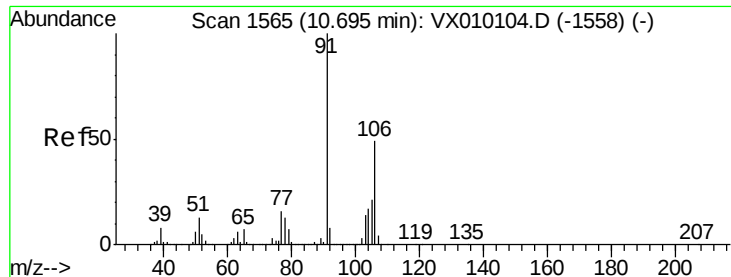
MMDadoda
6/20/2019 8:58:24 AM



#68
m/p-Xylenes
Concen: 104.841 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX010341.D
Acq: 18 Jun 2019 16:42

Tgt Ion: 106 Resp: 540122
Ion Ratio Lower Upper
106 100
91 194.4 167.3 250.9





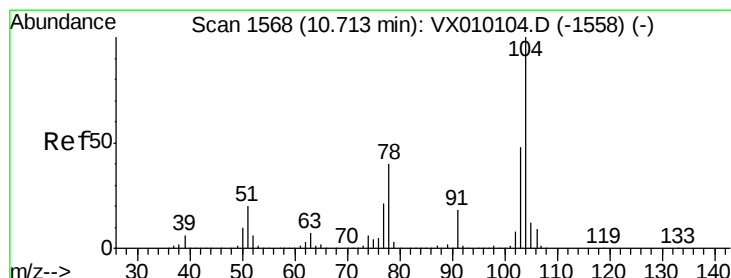
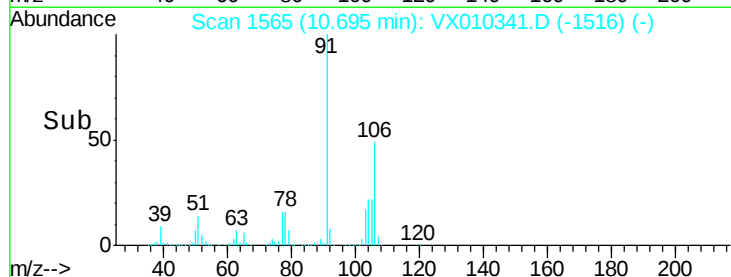
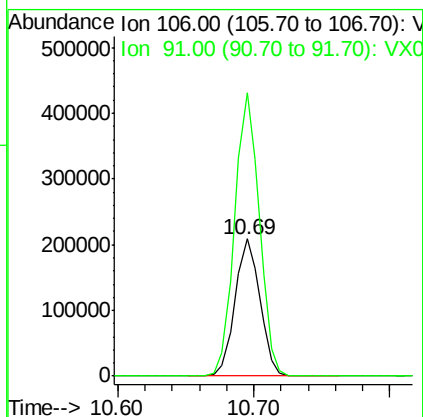
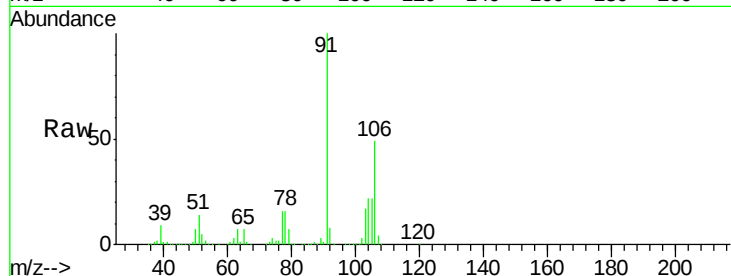
#69
o-Xylene
Concen: 51.862 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX010341.D
Acq: 18 Jun 2019 16:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 265592
Ion Ratio Lower Upper
106 100
91 204.7 110.4 331.2

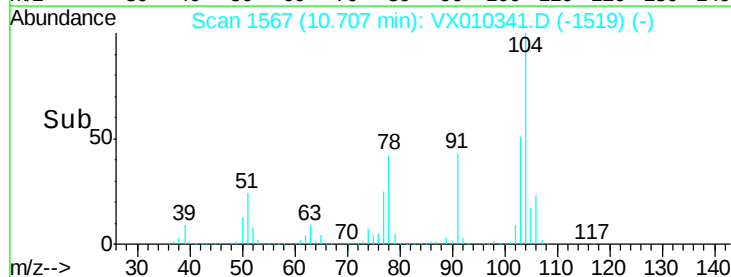
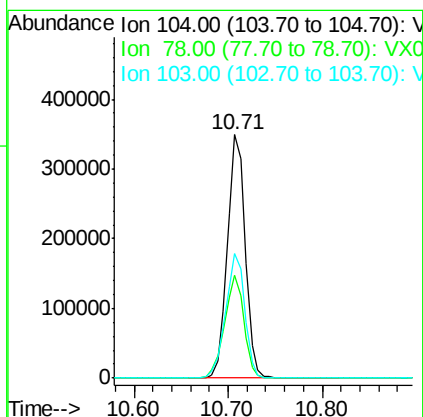
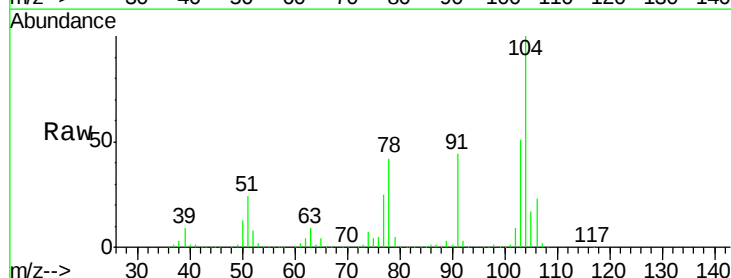
Manual Integrations
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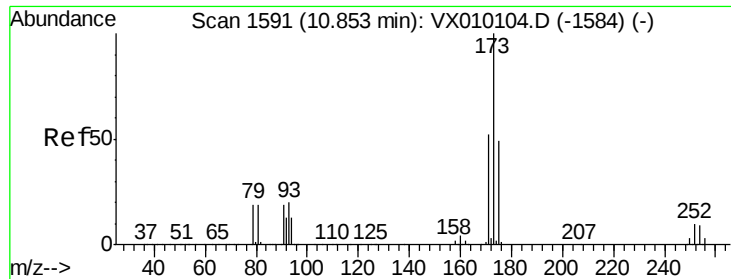
MMDadoda
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#70
Styrene
Concen: 53.190 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX010341.D
Acq: 18 Jun 2019 16:42

Tgt Ion:104 Resp: 461343
Ion Ratio Lower Upper
104 100
78 45.8 42.1 63.1
103 54.9 44.1 66.1





#71

Bromoform

Concen: 50.974 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

Instrument :

MSVOA_X

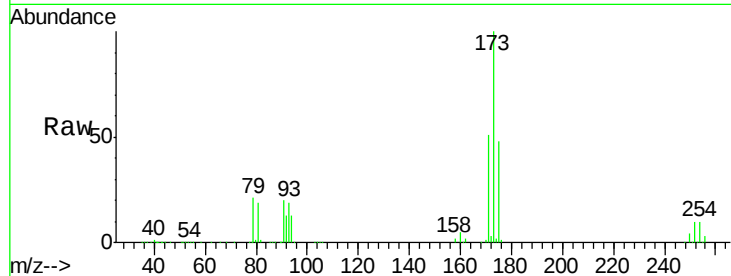
ClientSampleId :

VSTDCCC050EC

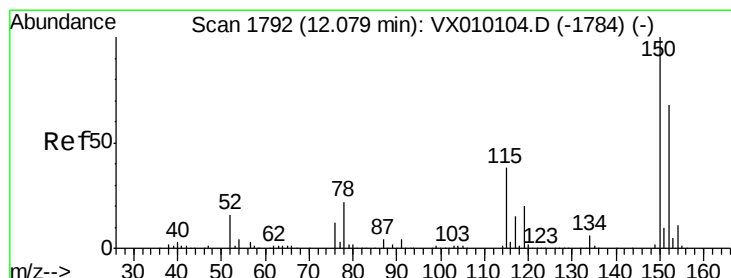
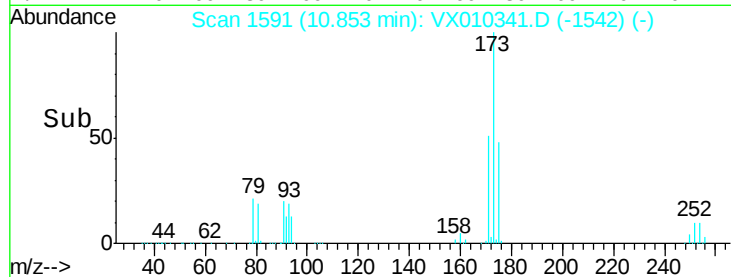
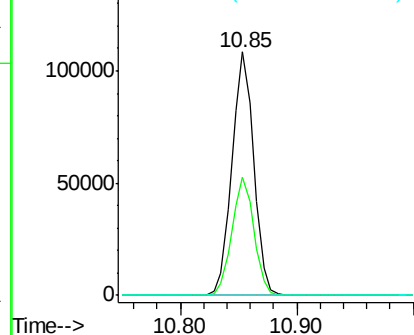
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	25.0	75.0
254	0.2	0.2	0.2

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

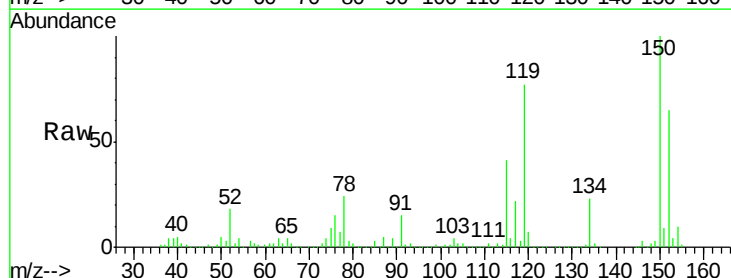
RT: 12.07 min Scan# 1791

Delta R.T. -0.01 min

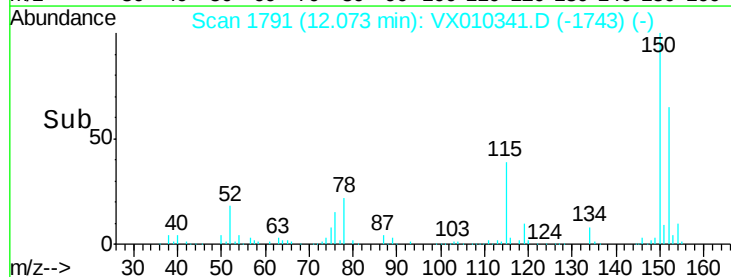
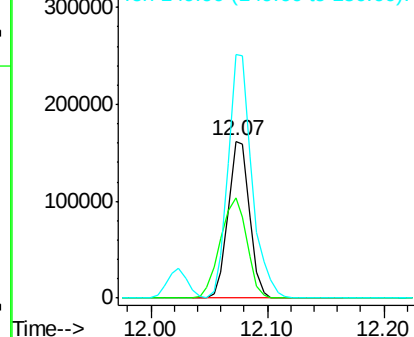
Lab File: VX010341.D

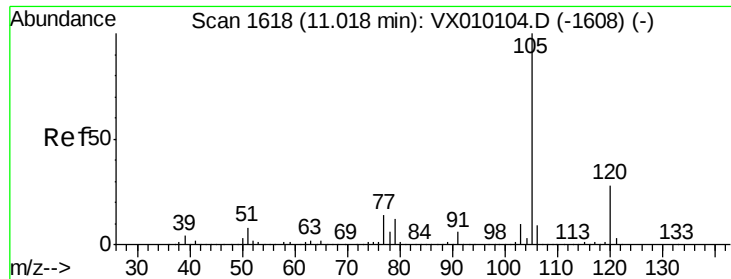
Acq: 18 Jun 2019 16:42

Tgt Ion	Ratio	Lower	Upper
152	100		
115	79.1	41.4	124.2
150	172.9	0.0	345.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.424 ug/l

RT: 11.01 min Scan# 1617

Delta R.T. -0.01 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 721745

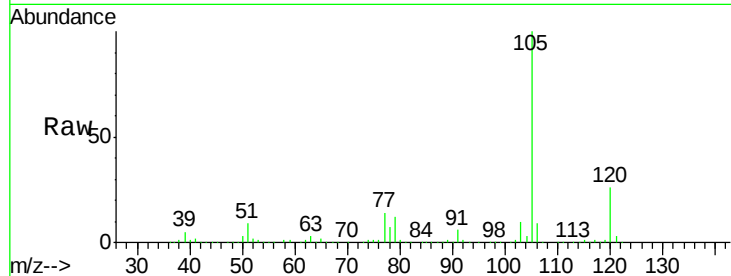
Ion Ratio Lower Upper

105 100

120 27.3 12.8 38.4

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

500000

400000

300000

200000

100000

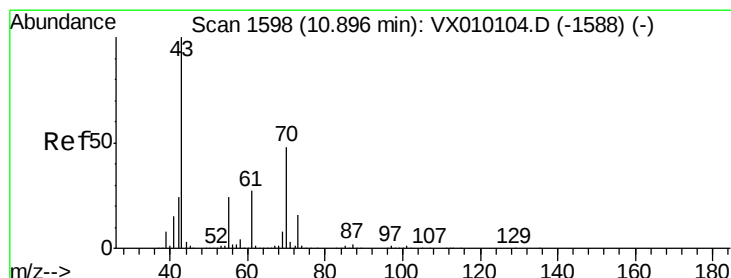
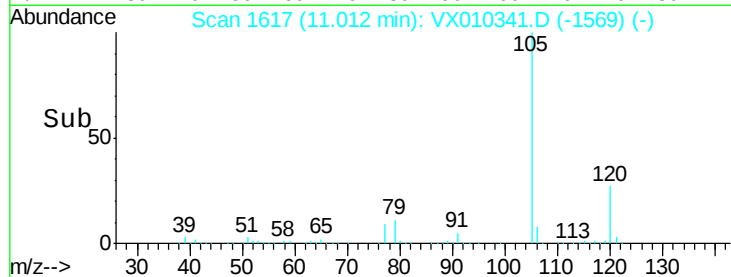
0

11.01

11.00

11.10

Time-->



#74

N-ethyl acetate

Concen: 48.340 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

Tgt Ion: 43 Resp: 273511

Ion Ratio Lower Upper

43 100

70 46.1 28.6 43.0#

55 23.7 17.8 26.8

61 26.0 17.7 26.5

Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

300000

200000

100000

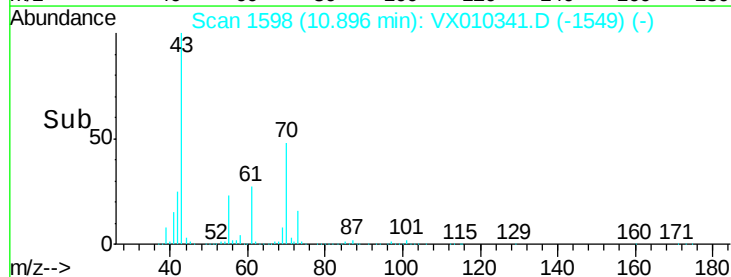
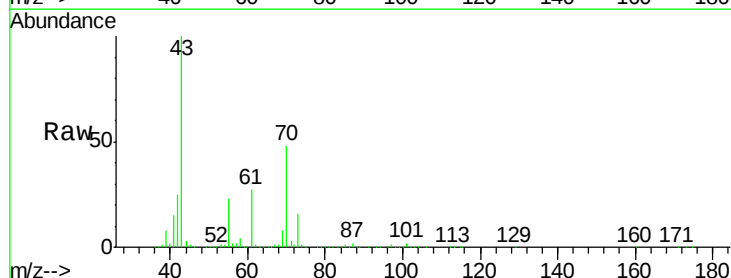
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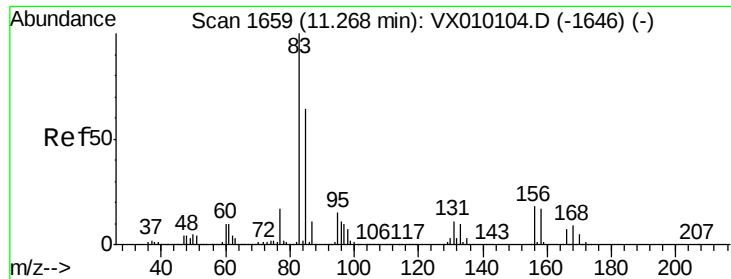
10.90

10.80

11.00

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 47.272 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 231613

Ion Ratio Lower Upper

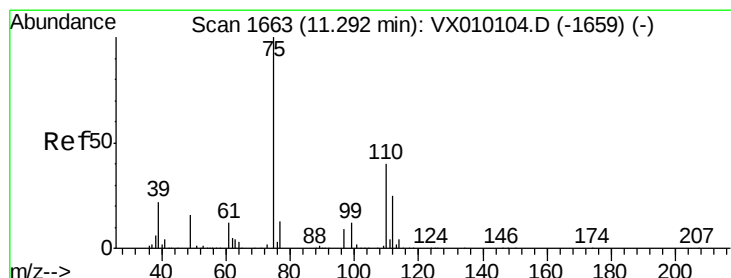
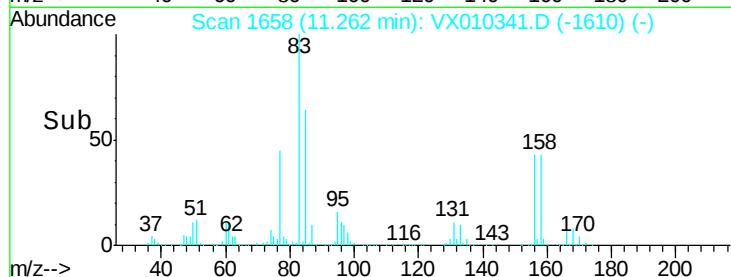
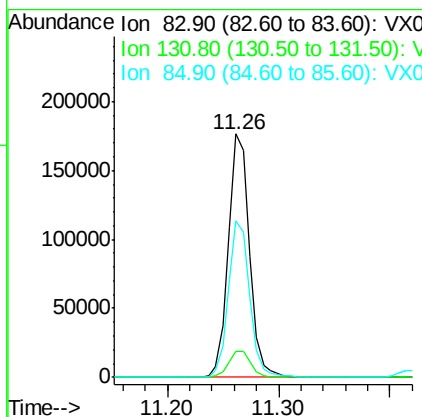
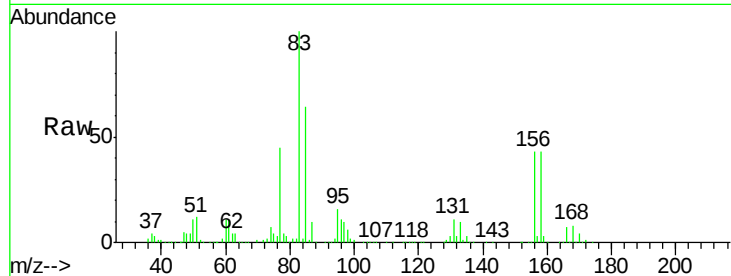
83 100

131 11.2 4.7 14.1

85 64.7 31.9 95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 47.986 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX010341.D

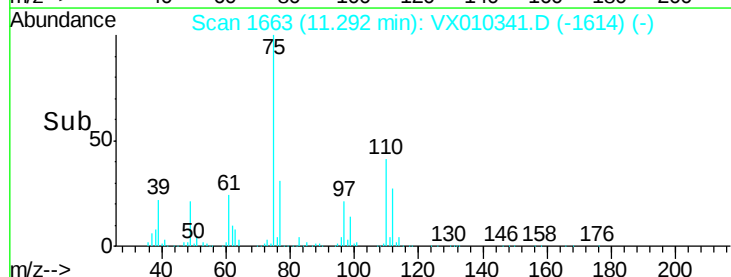
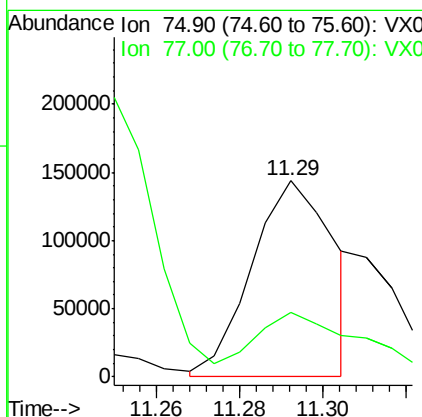
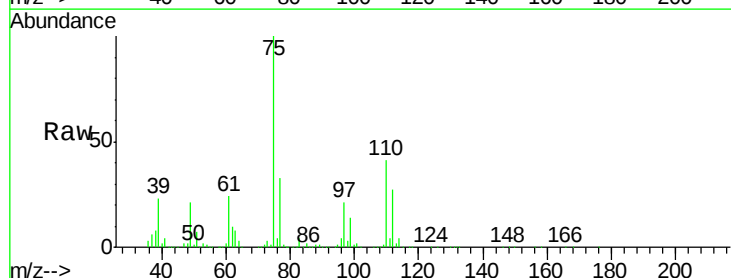
Acq: 18 Jun 2019 16:42

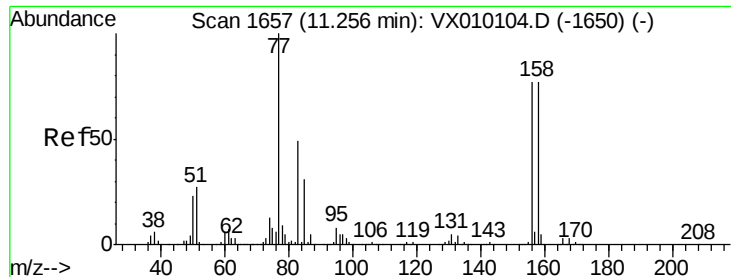
Tgt Ion: 75 Resp: 196804

Ion Ratio Lower Upper

75 100

77 43.3 22.1 66.1





#77

Bromobenzene

Concen: 49.917 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

Instrument :

MSVOA_X

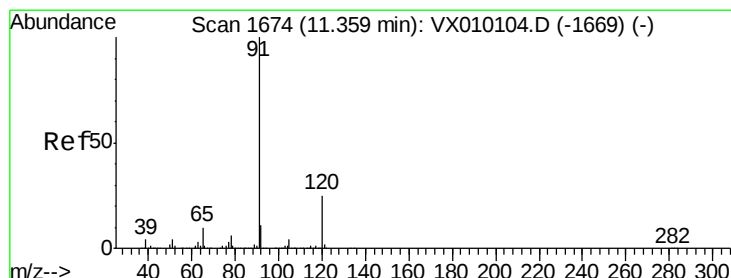
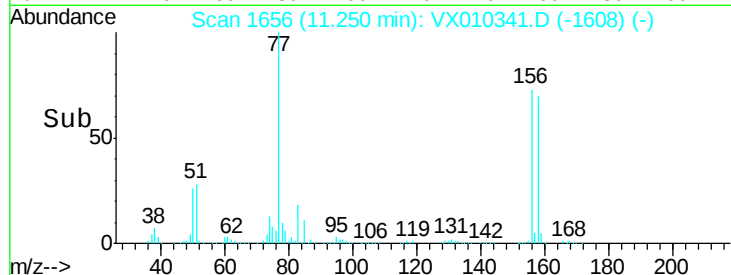
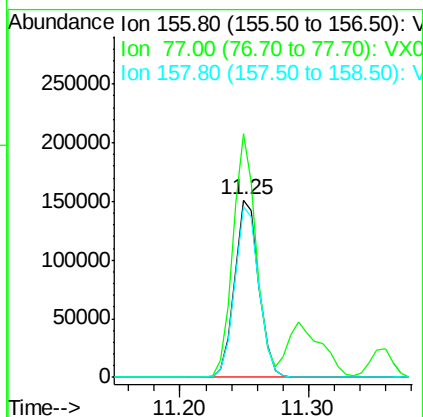
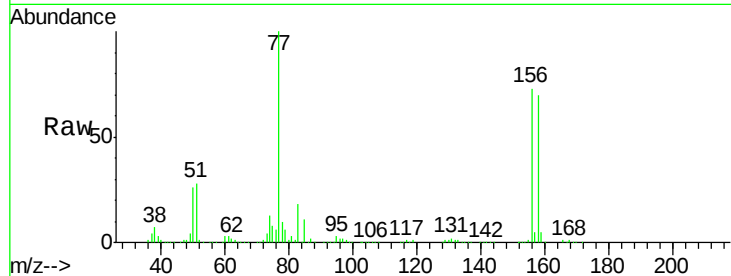
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	196481
Ion Ratio	Lower	Upper	
156	100		
77	132.8	86.8	260.3
158	96.9	49.6	148.8

Manual Integrations
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#78

n-propylbenzene

Concen: 50.657 ug/l

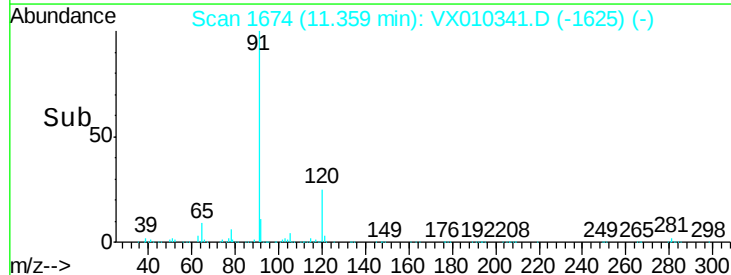
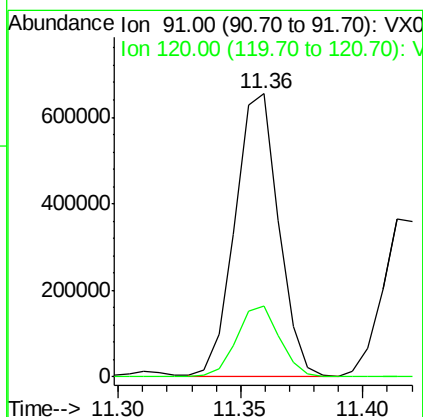
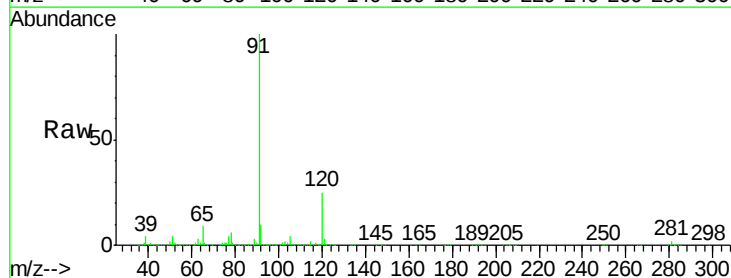
RT: 11.36 min Scan# 1674

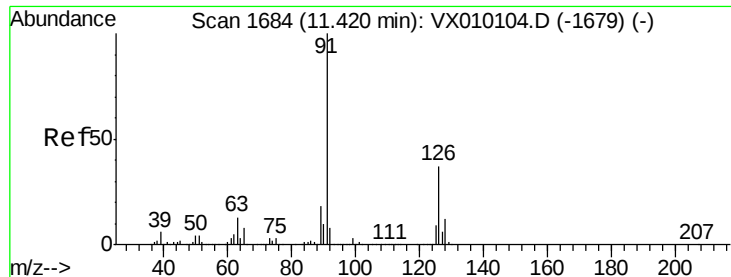
Delta R.T. -0.00 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

Tgt Ion:	91	Resp:	807214
Ion Ratio	Lower	Upper	
91	100		
120	24.8	11.1	33.3





#79

2-Chlorotoluene

Concen: 49.131 ug/l

RT: 11.41 min Scan# 1683

Delta R.T. -0.01 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 470208

Ion Ratio Lower Upper

91 100

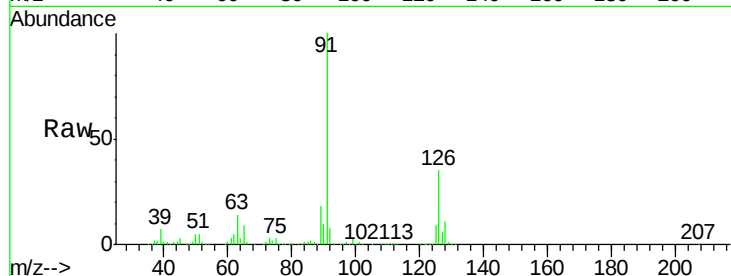
126 37.1 16.1 48.3

Manual Integrations

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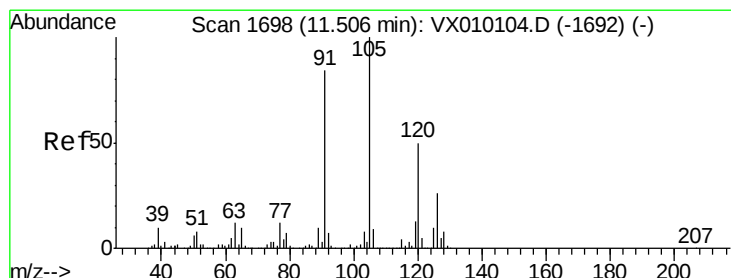
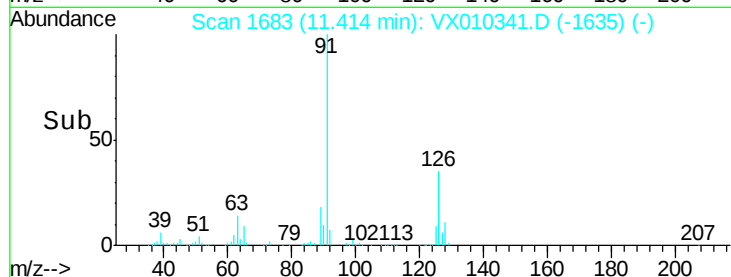
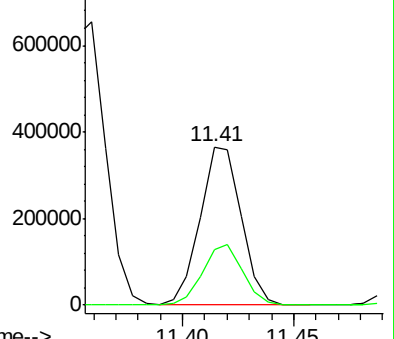
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Abundance Ion 91.00 (90.70 to 91.70): VX010104.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX010104.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 49.922 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX010341.D

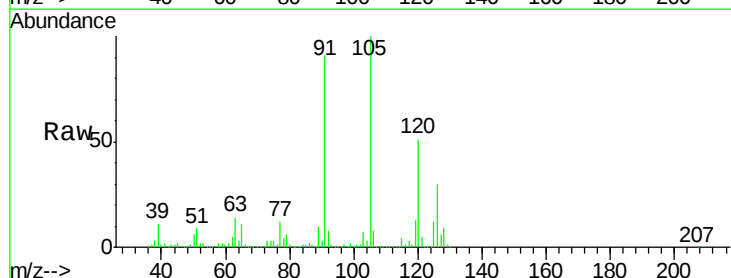
Acq: 18 Jun 2019 16:42

Tgt Ion: 105 Resp: 601851

Ion Ratio Lower Upper

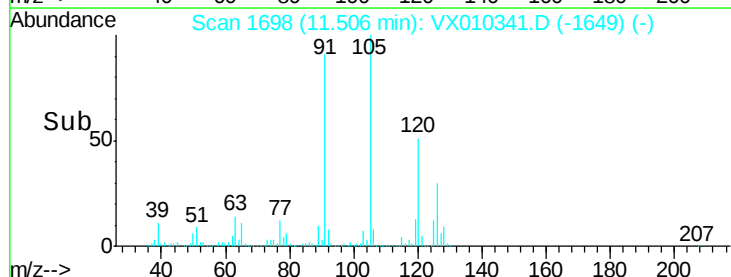
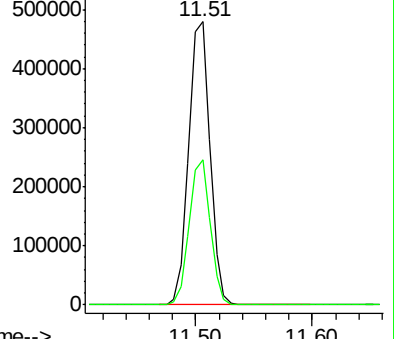
105 100

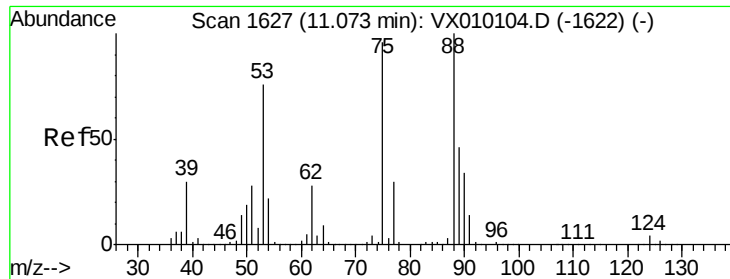
120 50.4 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): VX010104.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX010104.D (-1692) (-)





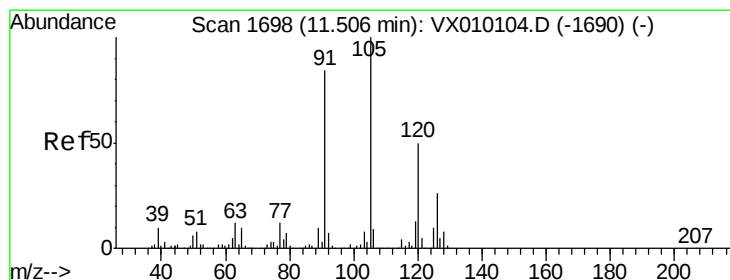
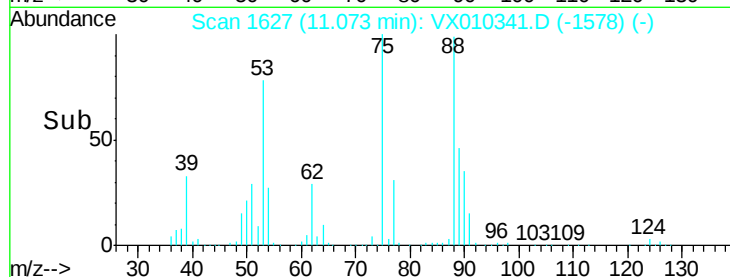
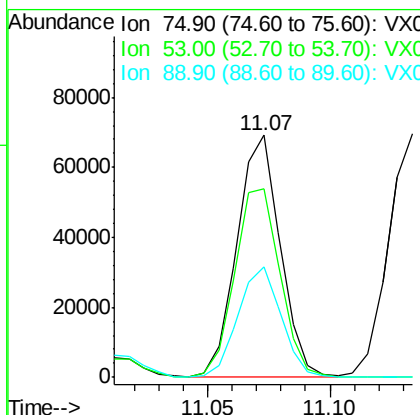
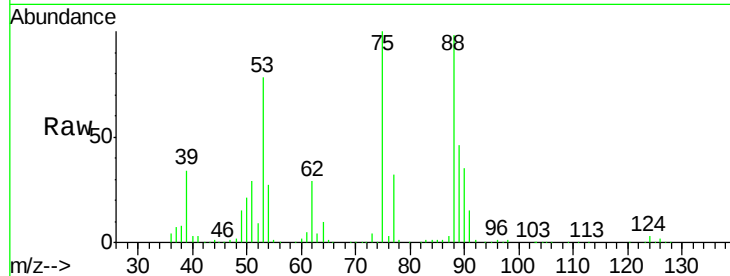
#81
trans-1,4-Dichloro-2-butene
Concen: 45.687 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX010341.D
Acq: 18 Jun 2019 16:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	82.7	79.8	119.6
89	46.0	34.2	51.4

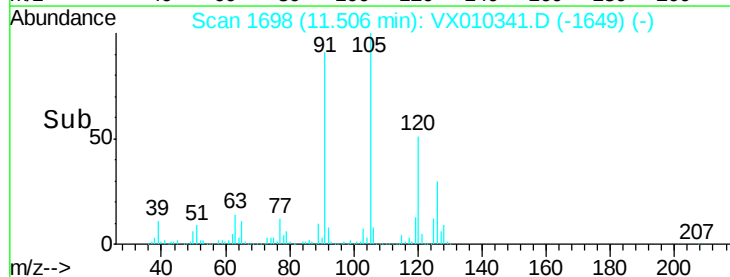
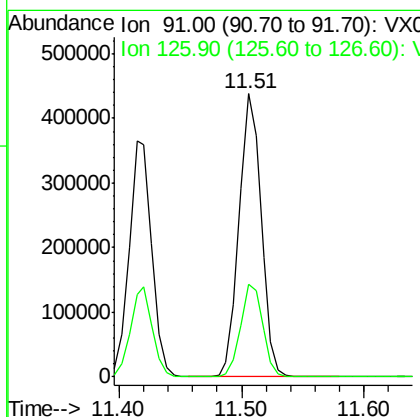
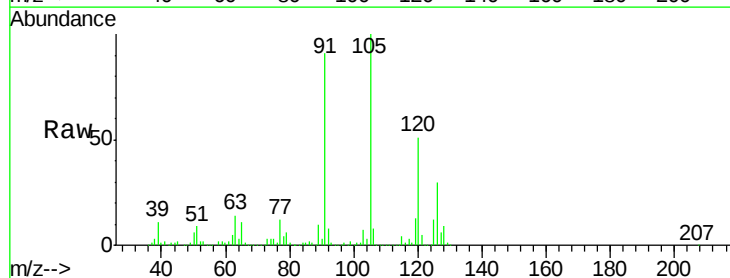
Manual Integrations
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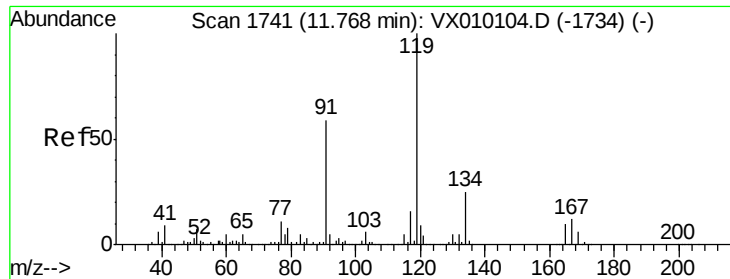
MMDadoda
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#82
4-Chlorotoluene
Concen: 50.273 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX010341.D
Acq: 18 Jun 2019 16:42

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.8	14.2	42.6





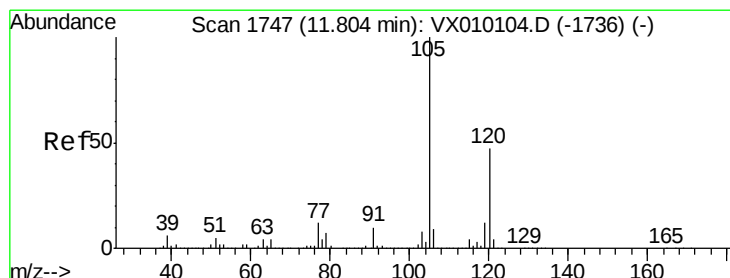
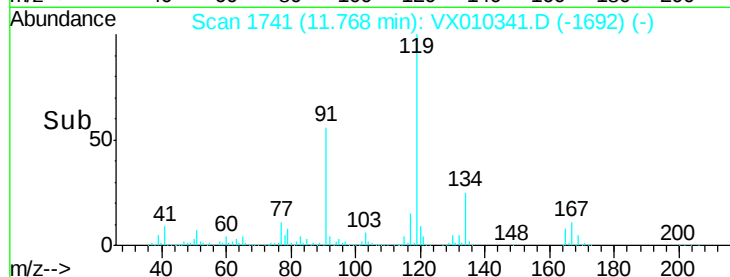
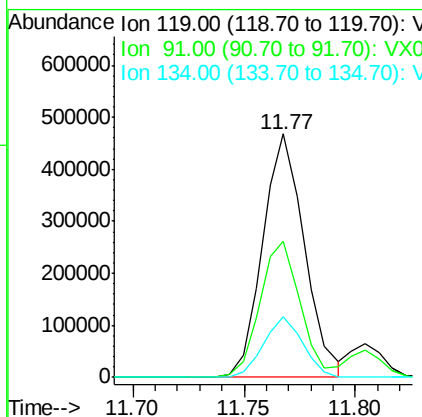
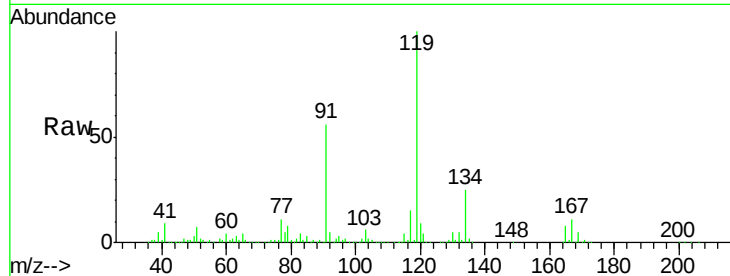
#83
 tert-Butylbenzene
 Concen: 49.965 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX010341.D
 Acq: 18 Jun 2019 16:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	54.6	30.0	90.0
134	23.5	11.2	33.5

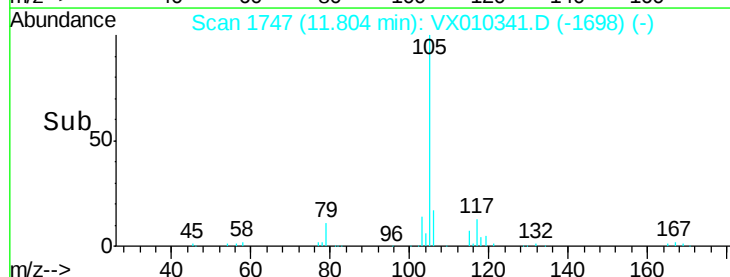
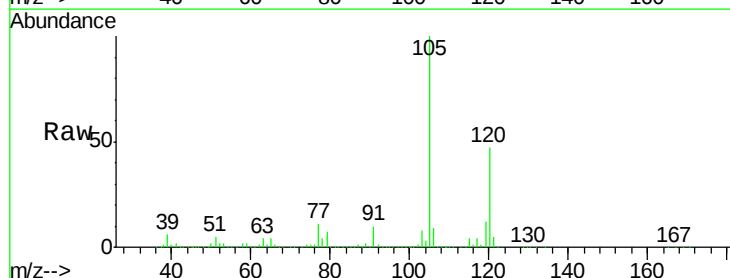
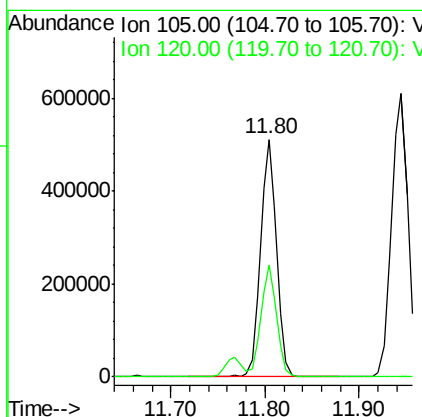
Manual Integrations
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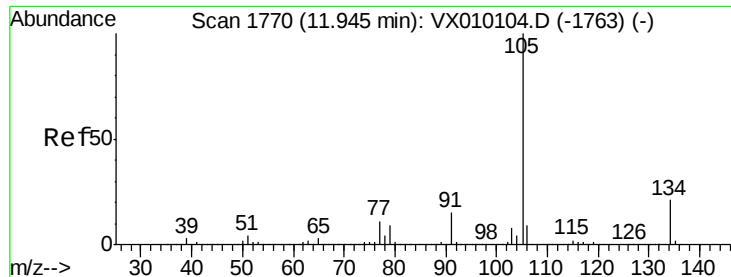
MMDadoda
 6/20/2019 8:58:24 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 50.511 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX010341.D
 Acq: 18 Jun 2019 16:42

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	22.1	66.1





#85

sec-Butylbenzene

Concen: 52.118 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 740904

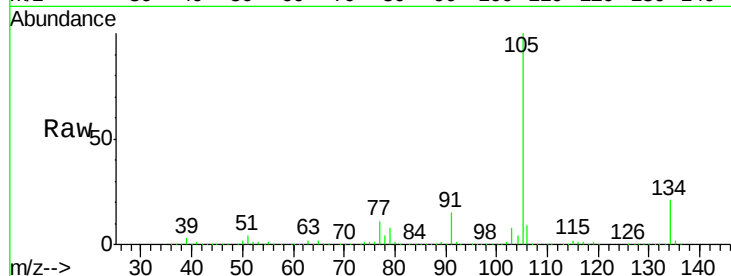
Ion Ratio Lower Upper

105 100

134 21.0 9.7 28.9

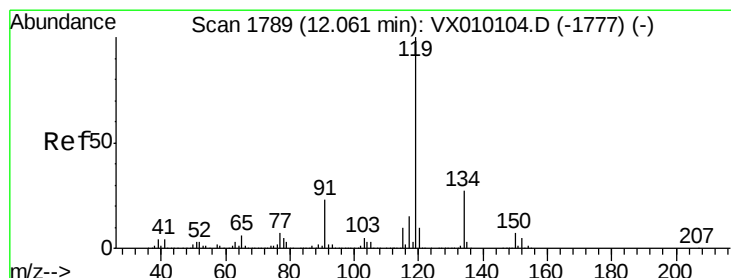
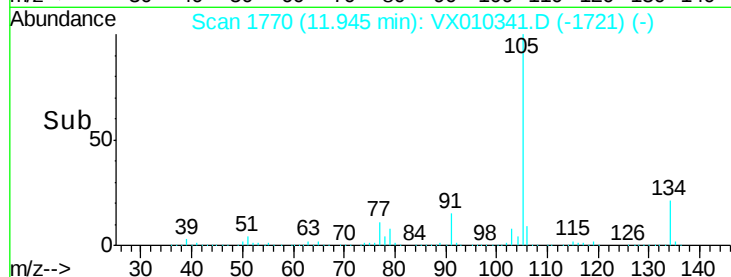
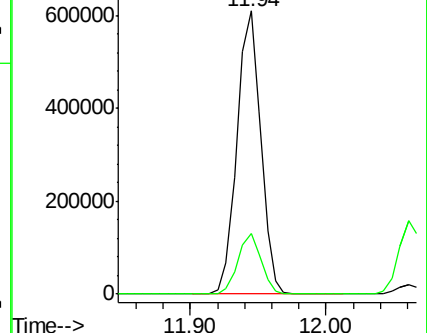
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.208 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

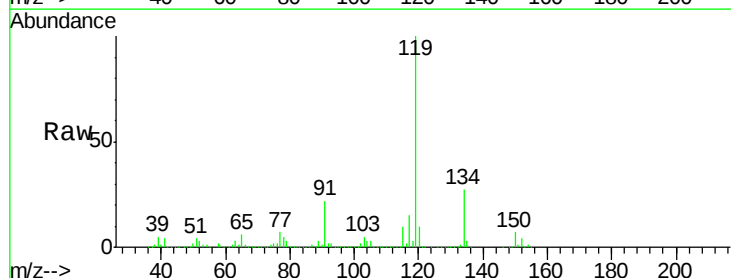
Tgt Ion:119 Resp: 678497

Ion Ratio Lower Upper

119 100

134 27.4 12.9 38.6

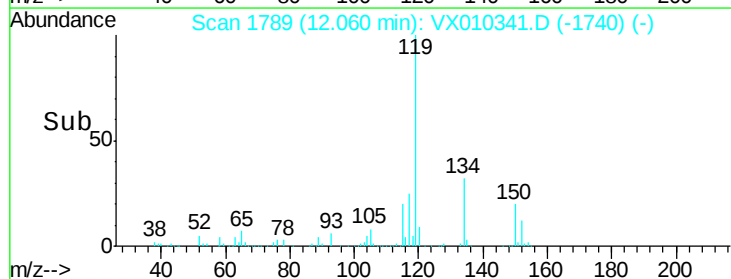
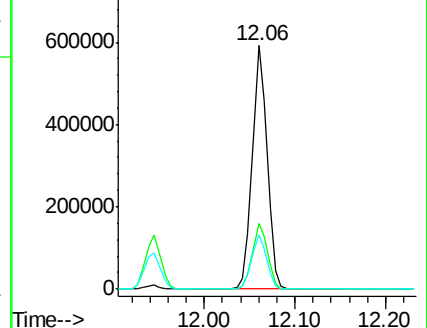
91 22.4 11.9 35.9

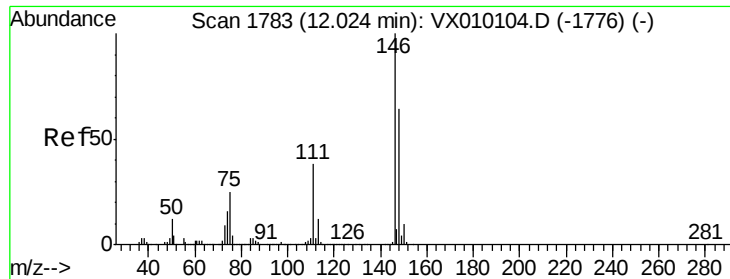


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





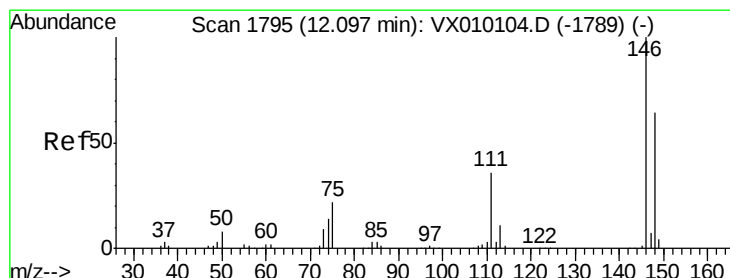
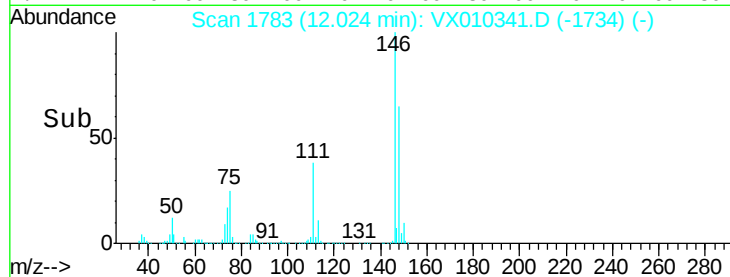
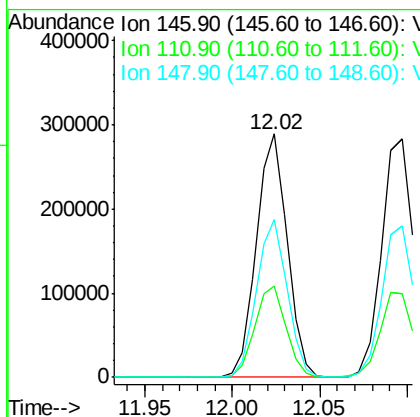
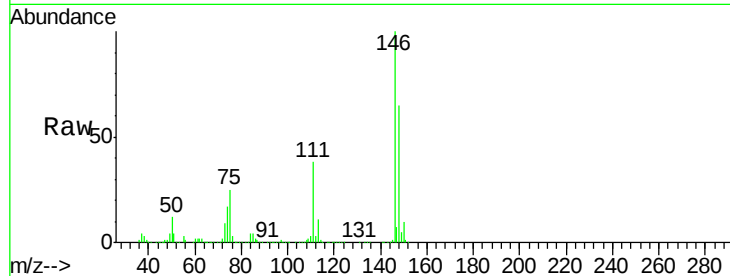
#87
 1,3-Dichlorobenzene
 Concen: 51.173 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX010341.D
 Acq: 18 Jun 2019 16:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	20.1	60.2
148	64.5	31.9	95.5

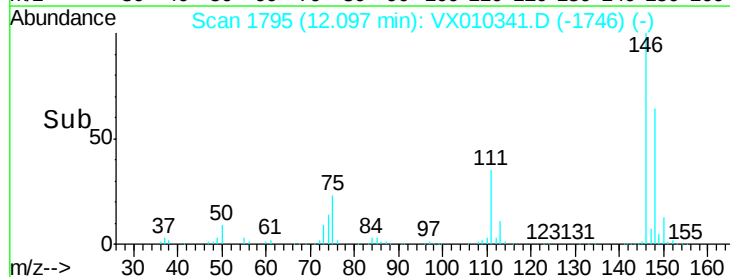
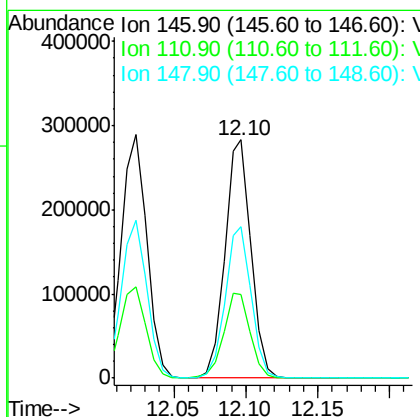
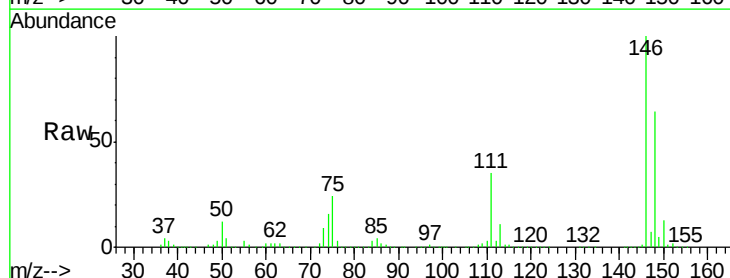
Manual Integrations
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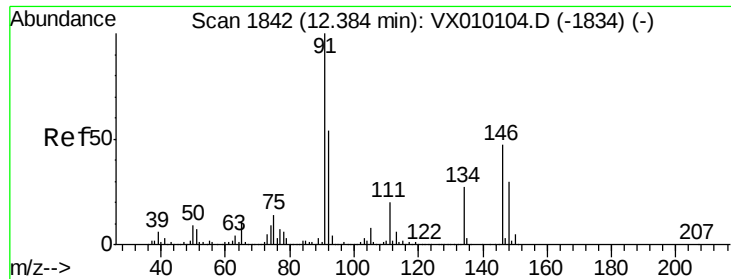
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#88
 1,4-Dichlorobenzene
 Concen: 51.271 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX010341.D
 Acq: 18 Jun 2019 16:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.5	20.0	59.9
148	63.5	32.3	96.9





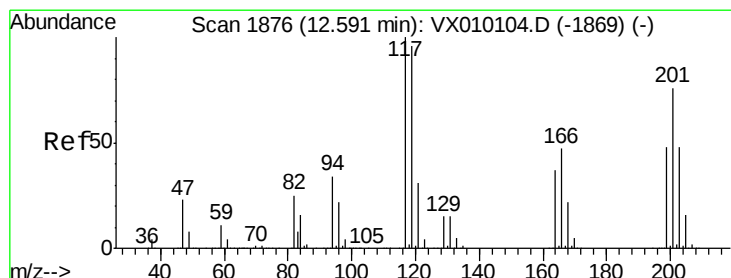
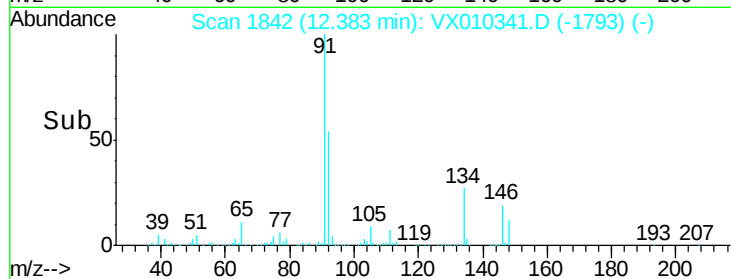
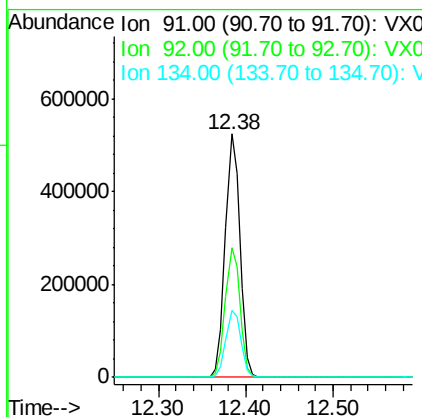
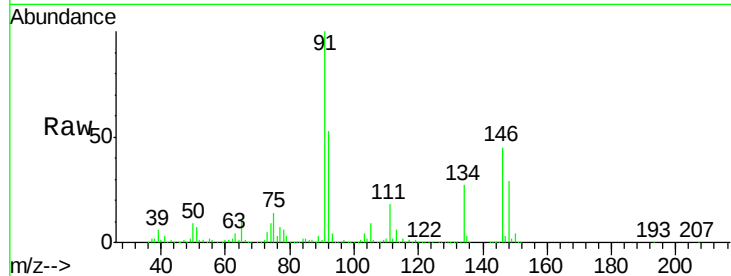
#89
n-Butylbenzene
Concen: 54.174 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX010341.D
Acq: 18 Jun 2019 16:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.3	78.8
134	28.2	12.3	36.8

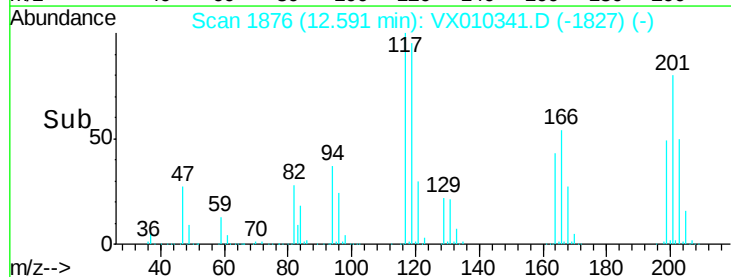
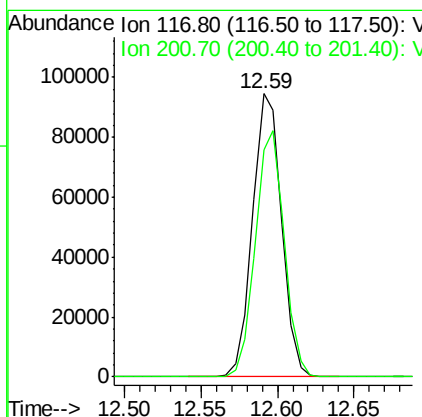
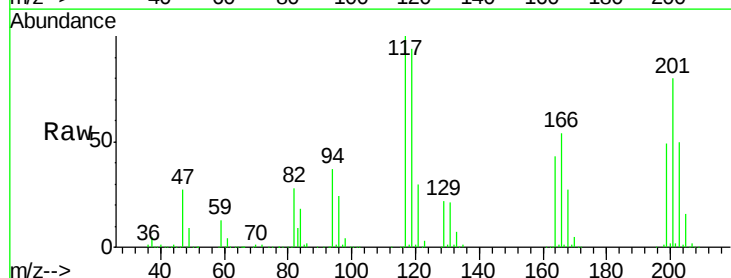
Manual Integrations
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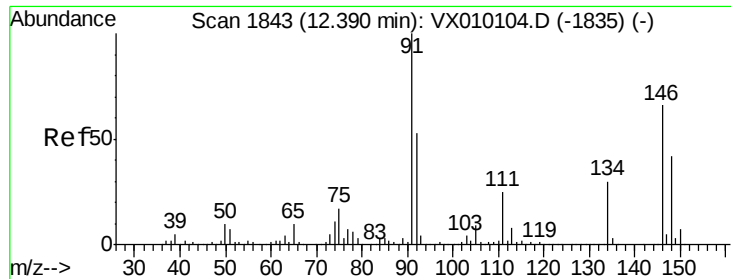
MMDadoda
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#90
Hexachloroethane
Concen: 48.230 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.00 min
Lab File: VX010341.D
Acq: 18 Jun 2019 16:42

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.6	43.6	130.9





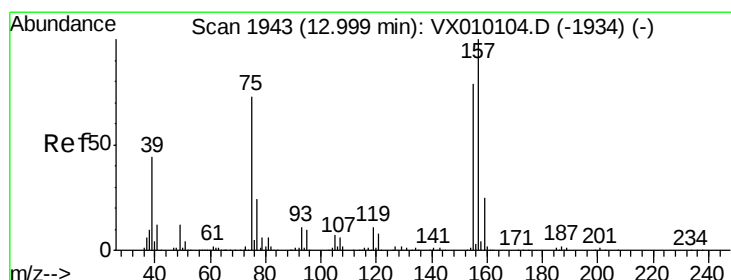
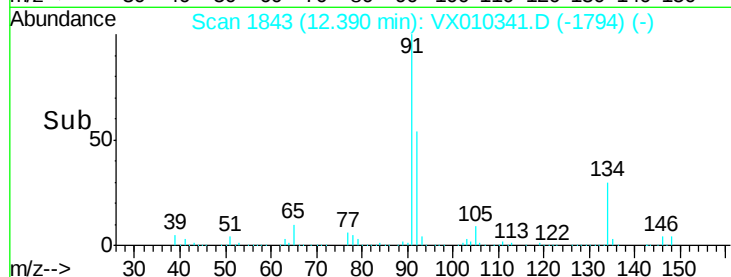
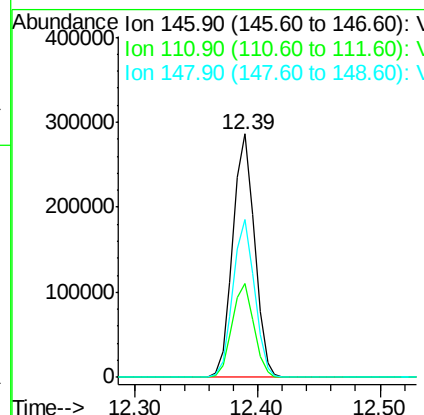
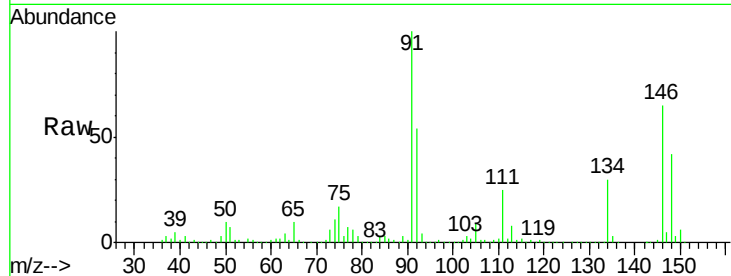
#91
 1,2-Dichlorobenzene
 Concen: 52.115 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX010341.D
 Acq: 18 Jun 2019 16:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	21.1	63.1
148	64.2	32.3	96.8

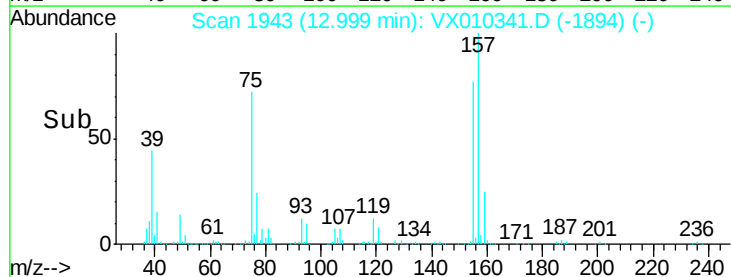
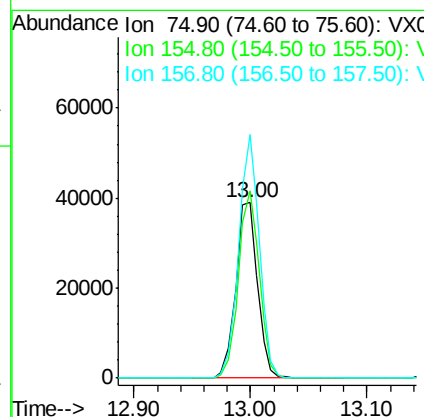
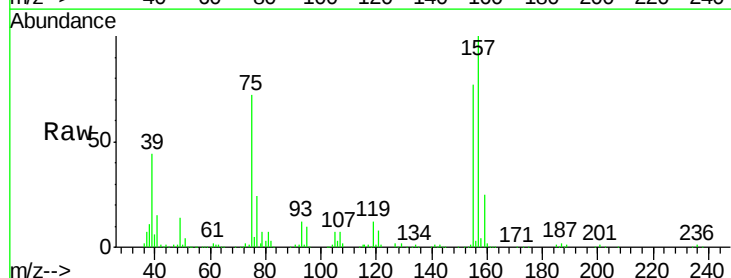
Manual Integrations
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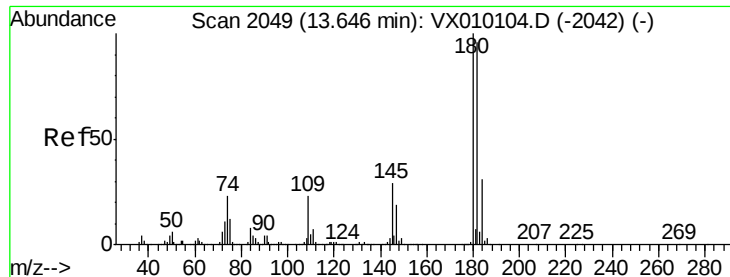
MMDadoda
 6/20/2019 8:58:24 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.280 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX010341.D
 Acq: 18 Jun 2019 16:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	102.6	39.3	117.8
157	130.2	50.6	151.8





#93

1,2,4-Trichlorobenzene

Concen: 52.496 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. -0.00 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

Instrument :

MSVOA_X

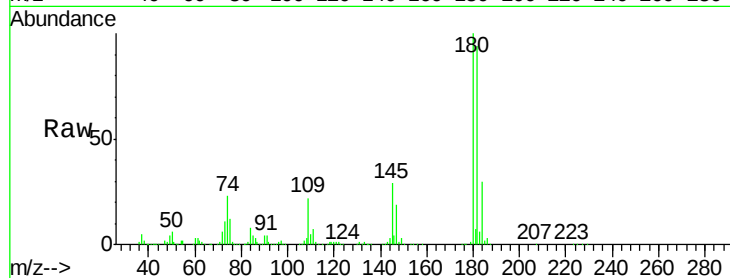
ClientSampleId :

VSTDCCC050EC

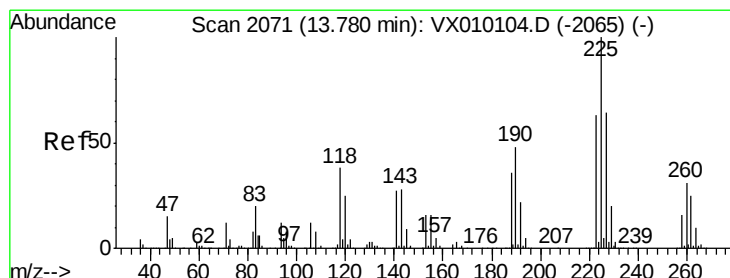
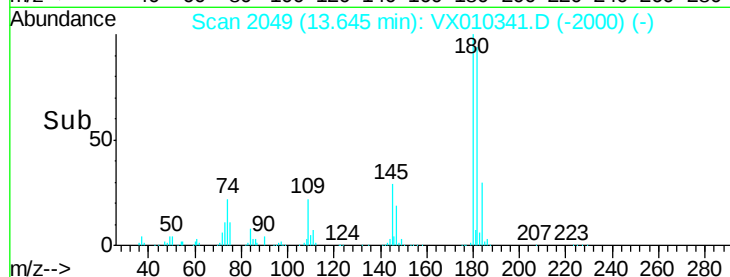
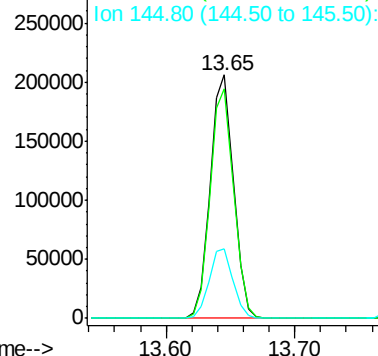
Tot Ion:	180	Resp:	259007
Ion Ratio	Lower	Upper	
180	100		
182	95.3	47.4	142.2
145	29.3	14.5	43.5

Manual Integrations
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Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 56.259 ug/l

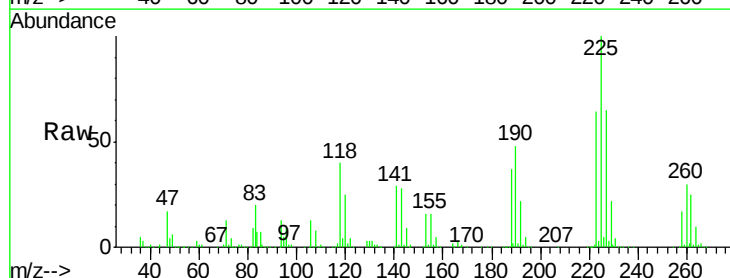
RT: 13.78 min Scan# 2071

Delta R.T. -0.00 min

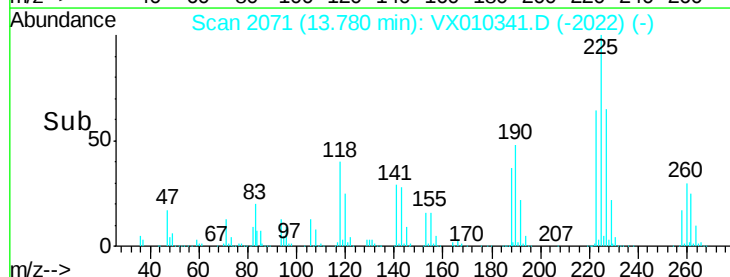
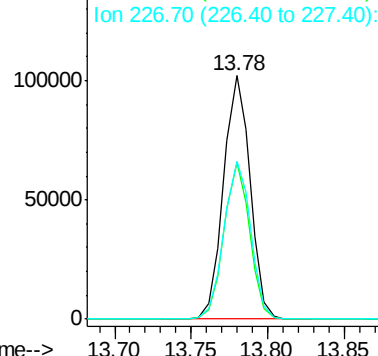
Lab File: VX010341.D

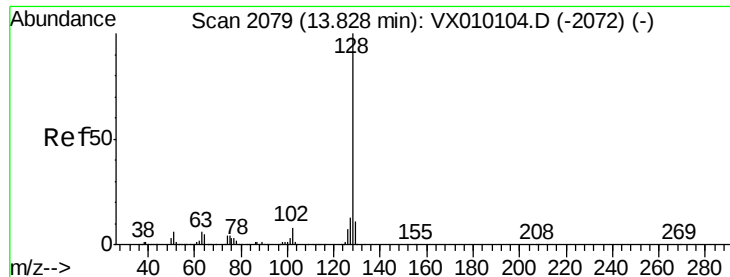
Acq: 18 Jun 2019 16:42

Tgt Ion:	225	Resp:	123445
Ion Ratio	Lower	Upper	
225	100		
223	62.1	31.3	93.8
227	65.2	32.3	96.8



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 49.800 ug/l

RT: 13.83 min Scan# 2079

Delta R.T. -0.00 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

Instrument :

MSVOA_X

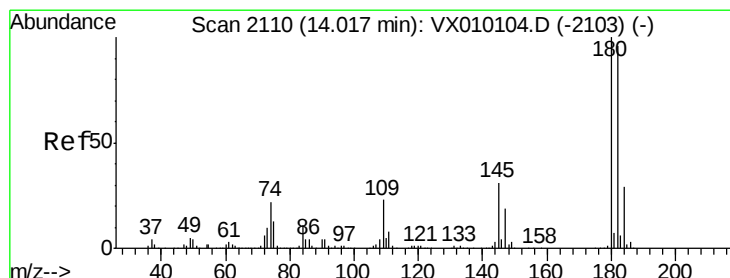
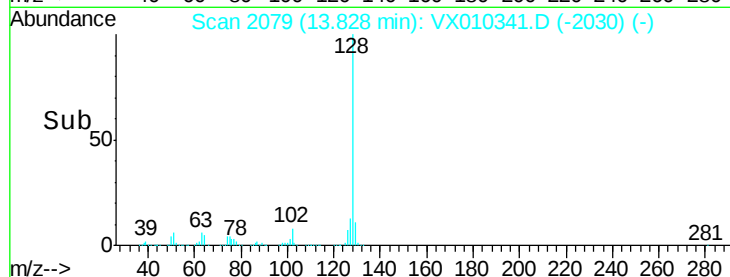
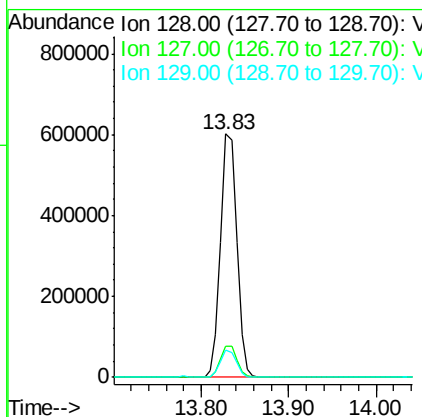
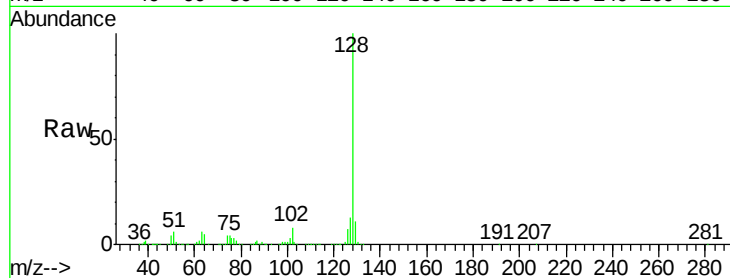
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	773463
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.6	16.0
129	11.0	8.8	13.2

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#96

1,2,3-Trichlorobenzene

Concen: 51.767 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX010341.D

Acq: 18 Jun 2019 16:42

Tgt Ion:	180	Resp:	252536
Ion Ratio	Lower	Upper	
180	100		
182	96.7	47.3	142.0
145	31.1	15.6	46.7

