

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070319\
 Data File : VX010662.D
 Acq On : 04 Jul 2019 02:05
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 7/8/2019 10:58:13 AM

Quant Time: Jul 04 05:44:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	236088	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.85	114	353333	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	326609	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	174533	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	112098	50.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.28%	
35) Dibromofluoromethane	5.49	113	107299	49.63	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	99.26%	
50) Toluene-d8	8.71	98	396293	47.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.84%	
62) 4-Bromofluorobenzene	11.13	95	148275	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	96648	58.883	ug/l	96
3) Chloromethane	1.32	50	100273	52.464	ug/l	100
4) Vinyl Chloride	1.41	62	109648	52.378	ug/l	99
5) Bromomethane	1.64	94	56473	55.373	ug/l	97
6) Chloroethane	1.71	64	68907	55.792	ug/l	97
7) Trichlorofluoromethane	1.92	101	182858	55.102	ug/l	98
8) Diethyl Ether	2.18	74	64276	54.010	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	104234	51.831	ug/l	98
10) Methyl Iodide	2.51	142	138401	48.223	ug/l	97
11) Tert butyl alcohol	3.04	59	129910	224.286	ug/l	100
12) 1,1-Dichloroethene	2.37	96	105352	51.483	ug/l	94
13) Acrolein	2.29	56	82446	214.570	ug/l	99
14) Allyl chloride	2.73	41	145038	49.923	ug/l	97
15) Acrylonitrile	3.14	53	290296	253.139	ug/l	100
16) Acetone	2.44	43	233664	210.628	ug/l	97
17) Carbon Disulfide	2.57	76	273457	49.809	ug/l	99
18) Methyl Acetate	2.77	43	116169	52.541	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	330337	51.313	ug/l	100
20) Methylene Chloride	2.85	84	117208	51.339	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	111862	50.826	ug/l	95
22) Diisopropyl ether	3.85	45	314862	51.836	ug/l	98
23) Vinyl Acetate	3.81	43	1368359	260.766	ug/l	99
24) 1,1-Dichloroethane	3.69	63	181223	51.614	ug/l	100
25) 2-Butanone	4.67	43	390426	239.922	ug/l	99
26) 2,2-Dichloropropane	4.58	77	104888	34.389	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	127214	50.019	ug/l	99
28) Bromochloromethane	5.01	49	80425	47.908	ug/l	95
29) Tetrahydrofuran	5.12	42	252206	250.213	ug/l	99
30) Chloroform	5.21	83	195317	51.702	ug/l	98
31) Cyclohexane	5.57	56	166530	52.084	ug/l	94
32) 1,1,1-Trichloroethane	5.49	97	171574	51.435	ug/l	99
36) 1,1-Dichloropropene	5.79	75	143030	50.941	ug/l	99
37) Ethyl Acetate	4.82	43	147356	51.014	ug/l	98
38) Carbon Tetrachloride	5.78	117	152047	50.008	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	185159	50.168	ug/l	99
40) Benzene	6.14	78	441244	50.442	ug/l	98
41) Methacrylonitrile	5.04	41	81391	51.355	ug/l	99
42) 1,2-Dichloroethane	6.19	62	145889	54.789	ug/l	99
43) Isopropyl Acetate	6.44	43	242912	50.829	ug/l	98
44) Trichloroethene	7.21	130	130759	49.956	ug/l	99
45) 1,2-Dichloropropane	7.51	63	111290	50.380	ug/l	98
46) Dibromomethane	7.66	93	81405	51.363	ug/l	96
47) Bromodichloromethane	7.89	83	147449	50.765	ug/l	100
48) Methyl methacrylate	7.77	41	117952	53.099	ug/l	98
49) 1,4-Dioxane	7.74	88	61354	958.783	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	788194	257.877	ug/l	98
52) Toluene	8.78	92	293019	50.866	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	154810	47.540	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	172207	48.663	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	121419	51.107	ug/l	98
56) Ethyl methacrylate	9.18	69	184080	51.148	ug/l	95
57) 1,3-Dichloropropane	9.37	76	188065	50.995	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	402074	235.232	ug/l	99
59) 2-Hexanone	9.49	43	598155	248.655	ug/l	98
60) Dibromochloromethane	9.58	129	131710	49.513	ug/l	99
61) 1,2-Dibromoethane	9.67	107	131139	51.139	ug/l	100
64) Tetrachloroethene	9.34	164	127248	48.169	ug/l	98
65) Chlorobenzene	10.13	112	327901	49.451	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	120018	49.691	ug/l	99
67) Ethyl Benzene	10.25	91	569749	50.897	ug/l	100
68) m/p-Xylenes	10.36	106	442794	102.085	ug/l	98
69) o-Xylene	10.69	106	213393	50.027	ug/l	98
70) Styrene	10.71	104	364882	51.008	ug/l	98
71) Bromoform	10.85	173	98584	46.936	ug/l #	99
73) Isopropylbenzene	11.02	105	576376	48.717	ug/l	98
74) N-amyl acetate	10.90	43	223148	49.907	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	182176	46.495	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	149733m	47.079	ug/l	
77) Bromobenzene	11.25	156	155506	47.072	ug/l	98
78) n-propylbenzene	11.36	91	651675	50.117	ug/l	99
79) 2-Chlorotoluene	11.42	91	376777	48.661	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	481370	49.354	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	51118	37.496	ug/l	92
82) 4-Chlorotoluene	11.51	91	440624	50.010	ug/l	99
83) tert-Butylbenzene	11.77	119	473771	48.397	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	486325	49.629	ug/l	99
85) sec-Butylbenzene	11.94	105	571506	49.722	ug/l	100
86) p-Isopropyltoluene	12.06	119	521961	49.095	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	274443	47.591	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	274501	46.757	ug/l	100
89) n-Butylbenzene	12.38	91	450280	49.842	ug/l	99
90) Hexachloroethane	12.59	117	85287	46.393	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	268563	46.859	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	38096	45.096	ug/l	90

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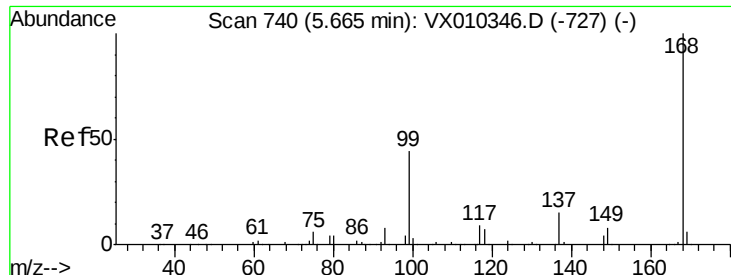
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	186967	47.041	ug/l	99
94) Hexachlorobutadiene	13.78	225	91556	47.133	ug/l	100
95) Naphthalene	13.83	128	575324	47.103	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	189674	47.997	ug/l	99

(#) = 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: VX010662.D

Acq: 04 Jul 2019 02:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 236088

Ion Ratio Lower Upper

168 100

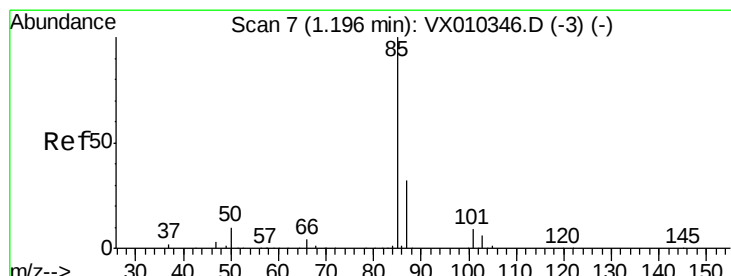
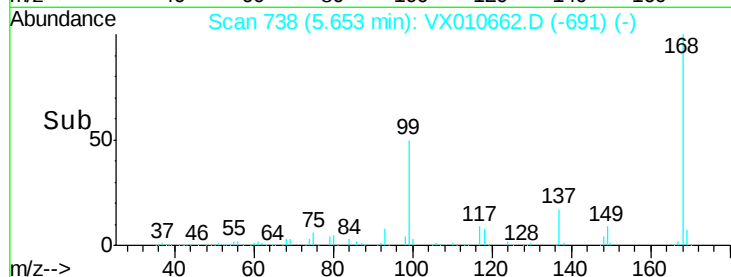
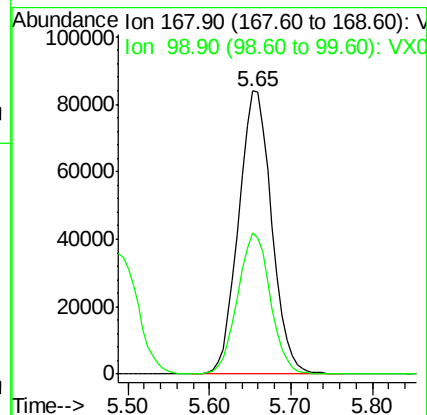
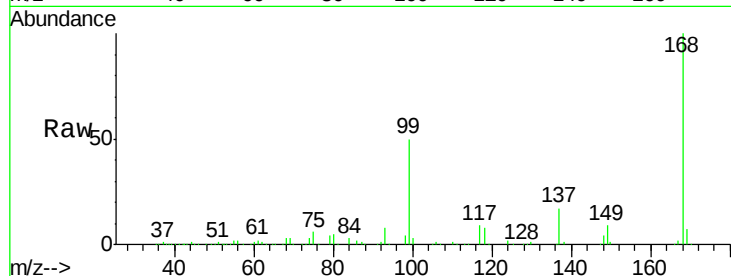
99 49.6 35.5 53.3

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 58.883 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010662.D

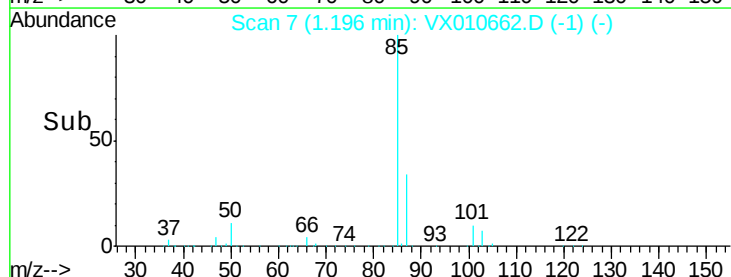
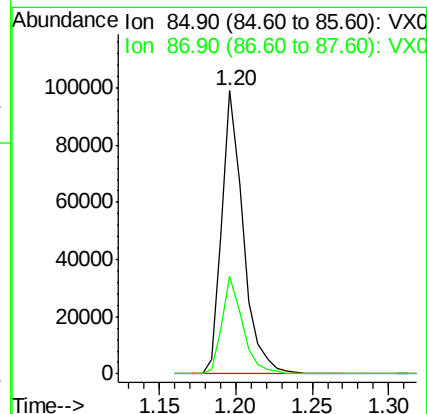
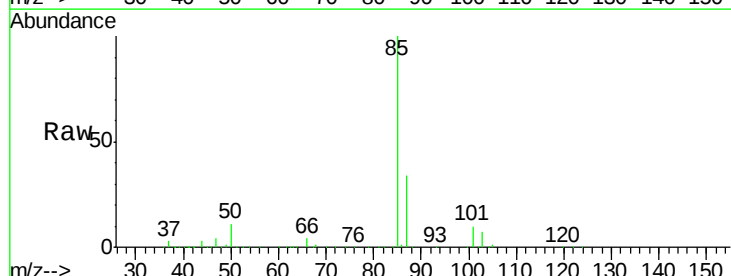
Acq: 04 Jul 2019 02:05

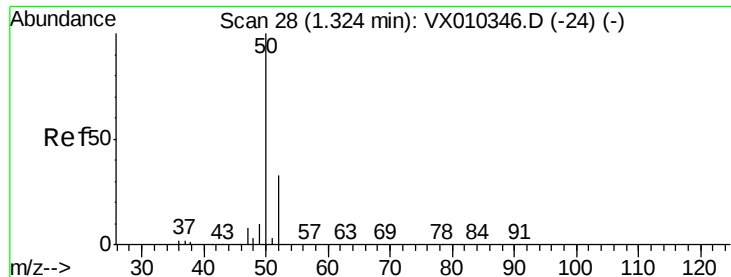
Tgt Ion: 85 Resp: 96648

Ion Ratio Lower Upper

85 100

87 34.5 16.3 48.8





#3

Chloromethane

Concen: 52.464 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX010662.D

Acq: 04 Jul 2019 02:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 100273

Ion Ratio Lower Upper

50 100

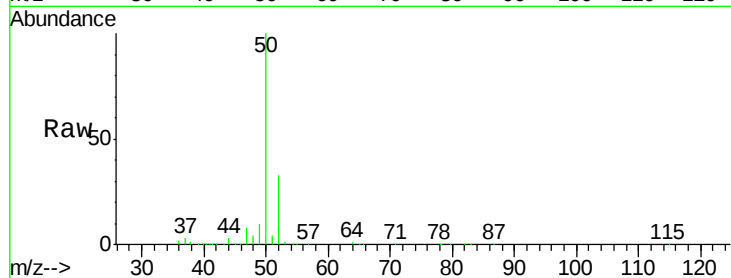
52 32.9 26.5 39.7

Manual Integrations

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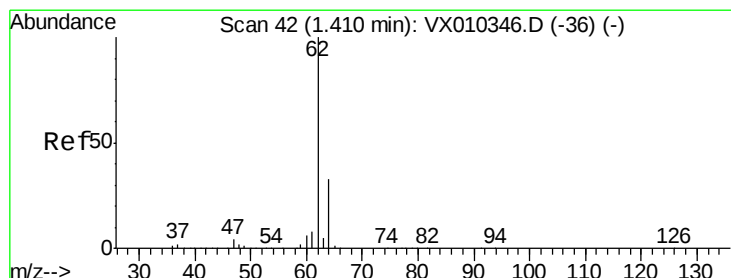
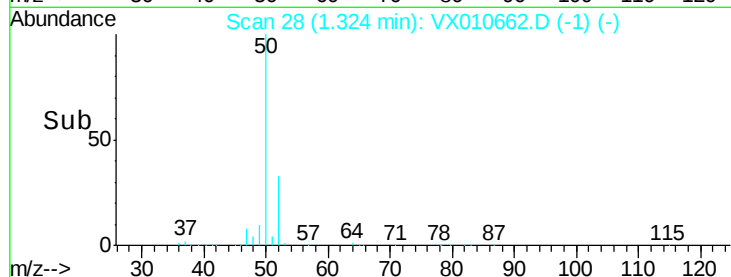
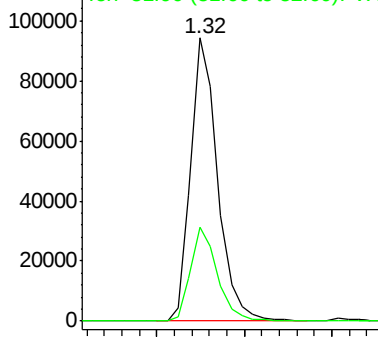
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 52.378 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010662.D

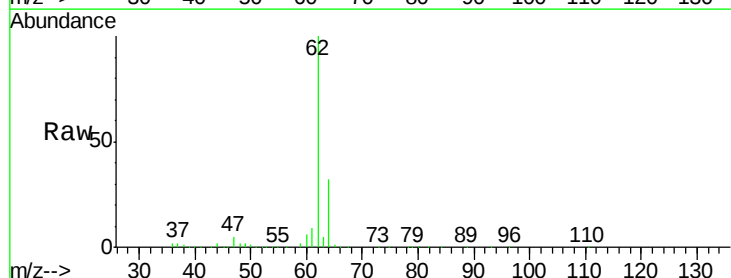
Acq: 04 Jul 2019 02:05

Tgt Ion: 62 Resp: 109648

Ion Ratio Lower Upper

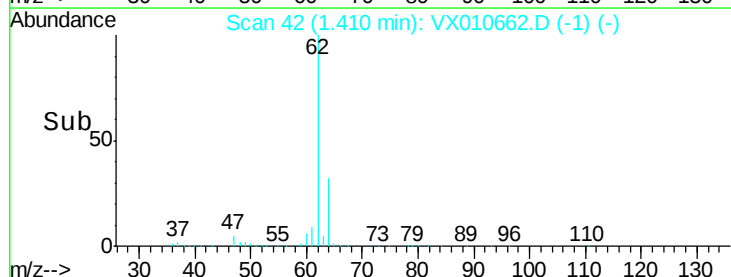
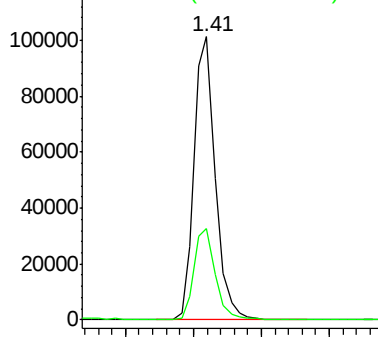
62 100

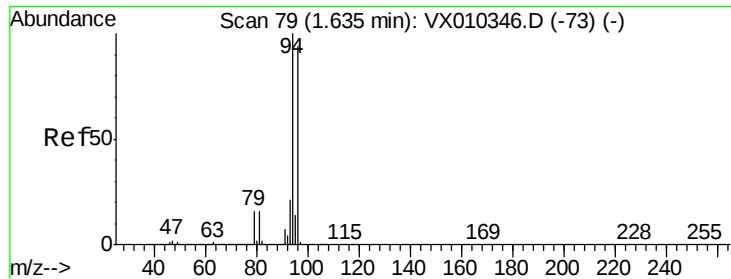
64 32.1 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 55.373 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX010662.D

Acq: 04 Jul 2019 02:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 56473

Ion Ratio Lower Upper

94 100

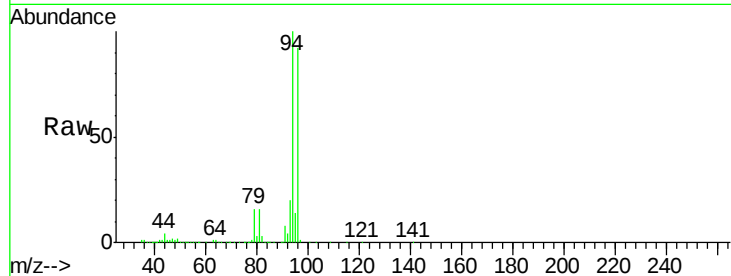
96 91.8 75.5 113.3

Manual Integrations

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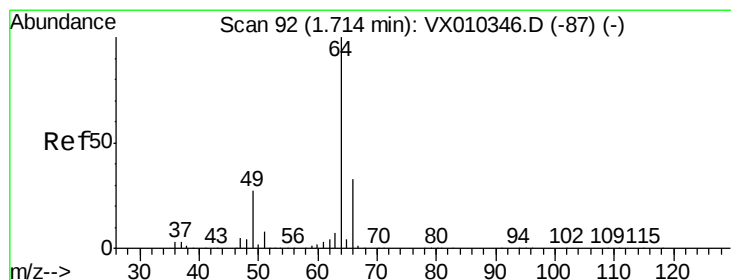
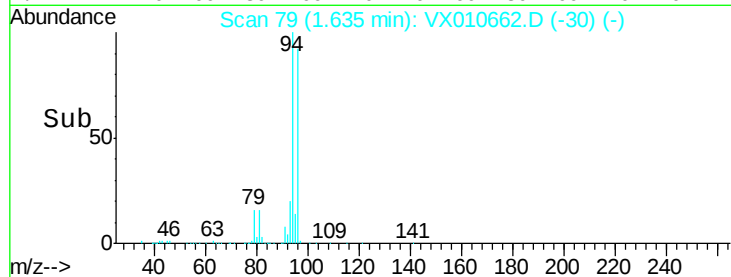
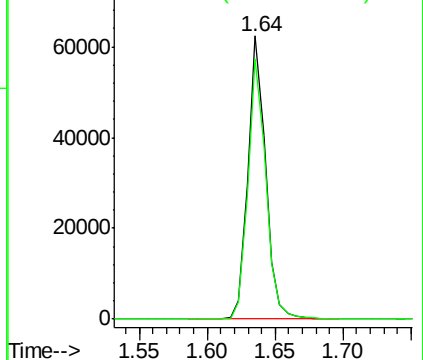
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 55.792 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX010662.D

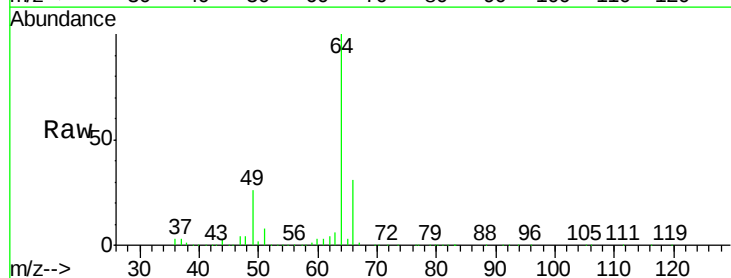
Acq: 04 Jul 2019 02:05

Tgt Ion: 64 Resp: 68907

Ion Ratio Lower Upper

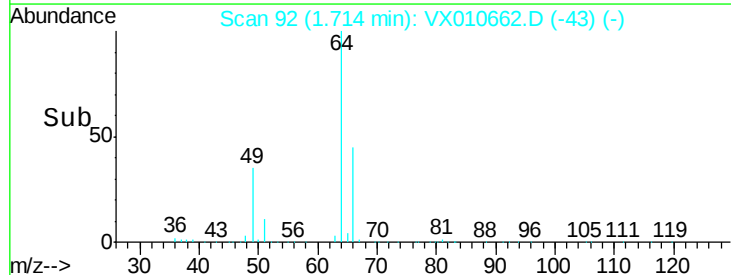
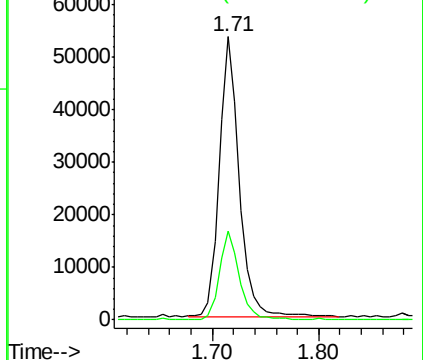
64 100

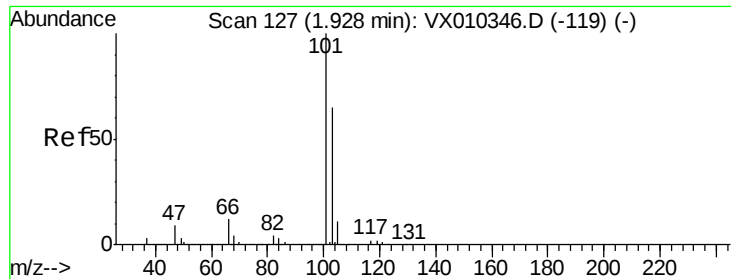
66 31.6 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

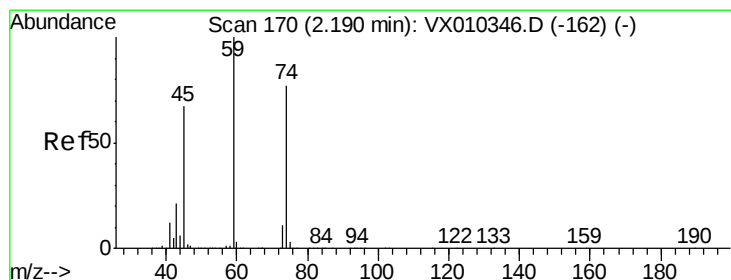
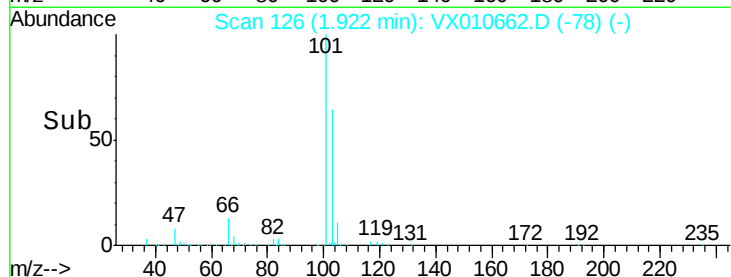
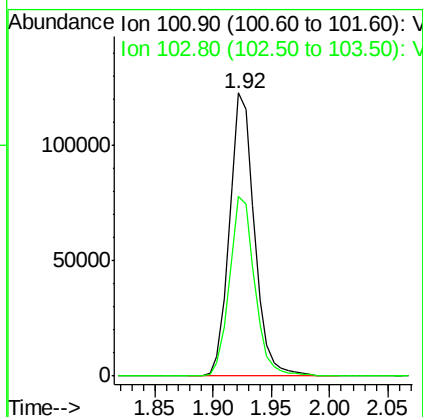
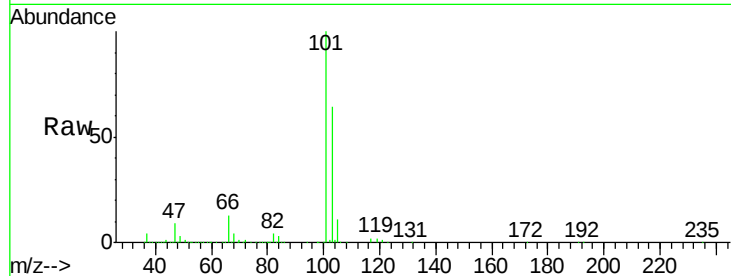
Trichlorofluoromethane
Concen: 55.102 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.01 min
Lab File: VX010662.D
Acq: 04 Jul 2019 02:05

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	182858		
103	63.7	52.3	78.5	

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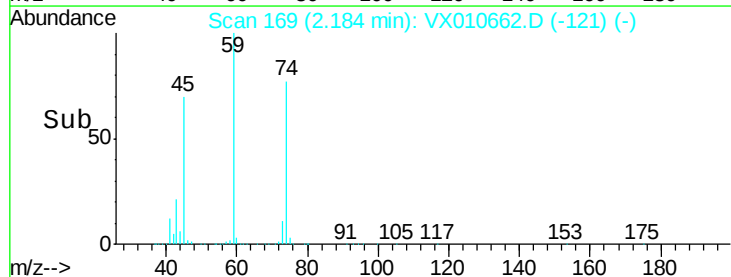
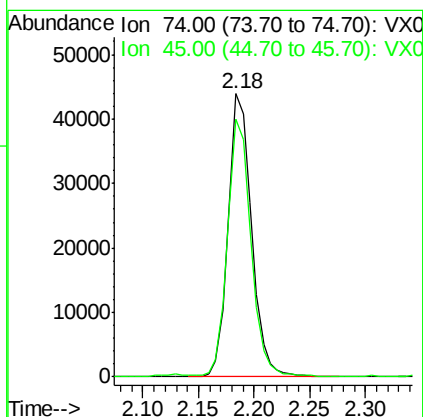
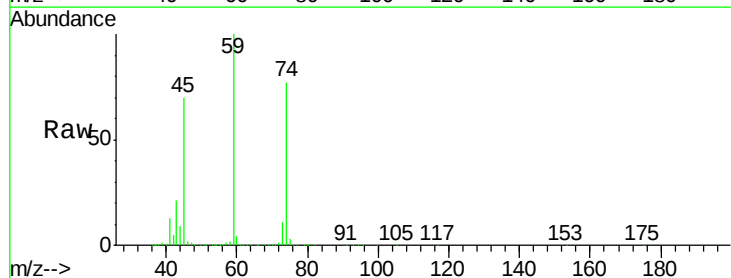
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7/8/2019 10:58:13 AM



#8

Diethyl Ether
Concen: 54.010 ug/l
RT: 2.18 min Scan# 169
Delta R.T. -0.01 min
Lab File: VX010662.D
Acq: 04 Jul 2019 02:05

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	64276		
45	91.6	44.8	134.4	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.831 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX010662.D

Acq: 04 Jul 2019 02:05

Instrument :

MSVOA_X

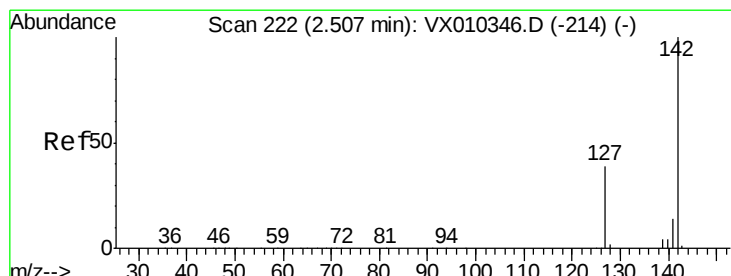
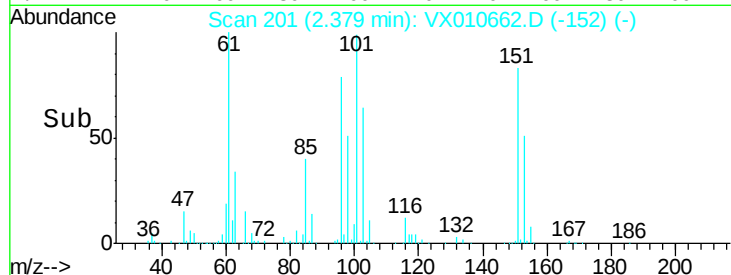
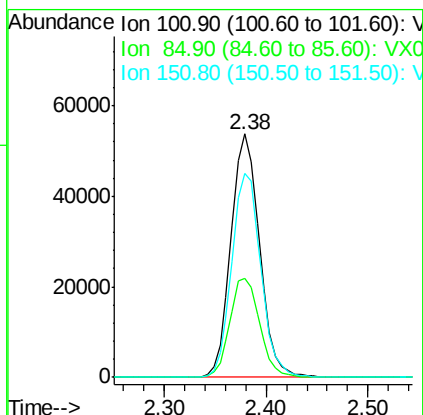
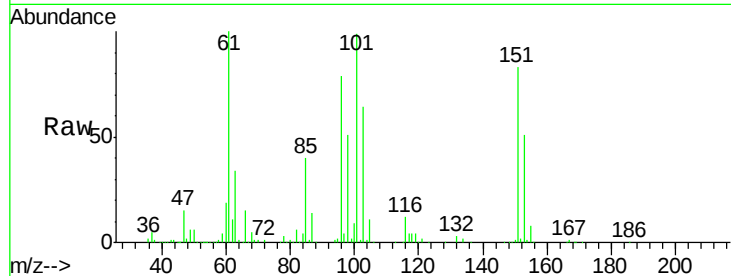
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	104234
Ion Ratio	Lower	Upper	
101	100		
85	42.4	33.7	50.5
151	85.3	70.1	105.1

Manual Integrations
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#10

Methyl Iodide

Concen: 48.223 ug/l

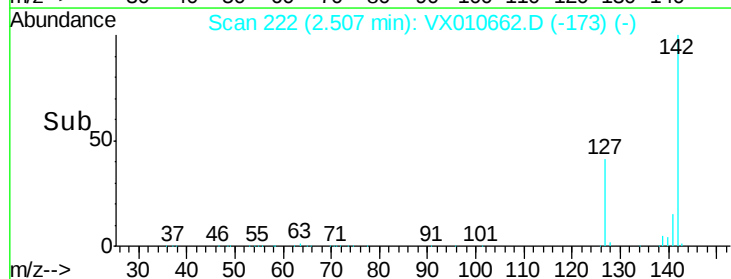
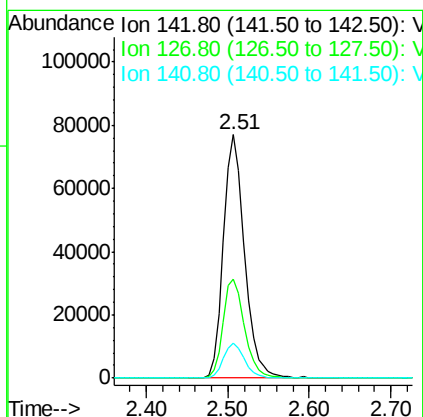
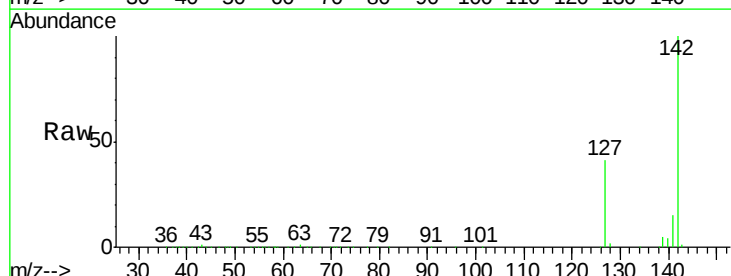
RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX010662.D

Acq: 04 Jul 2019 02:05

Tgt Ion:	142	Resp:	138401
Ion Ratio	Lower	Upper	
142	100		
127	41.2	31.1	46.7
141	14.3	11.2	16.8





#11

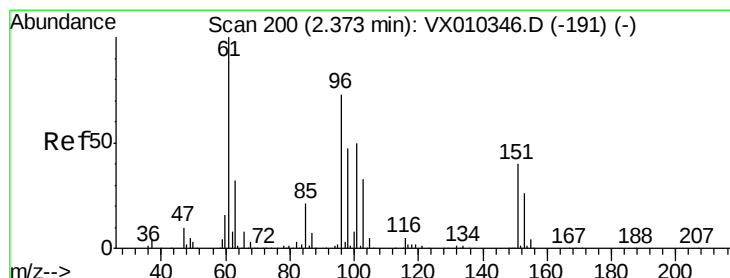
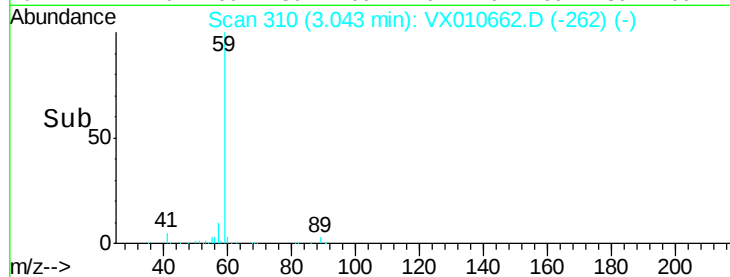
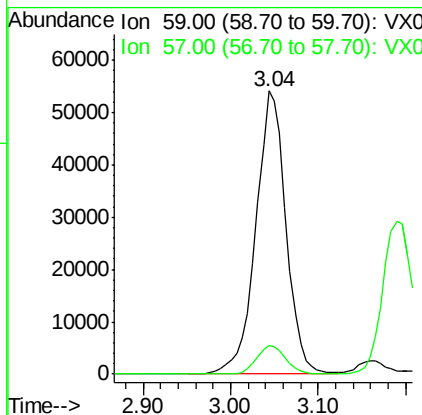
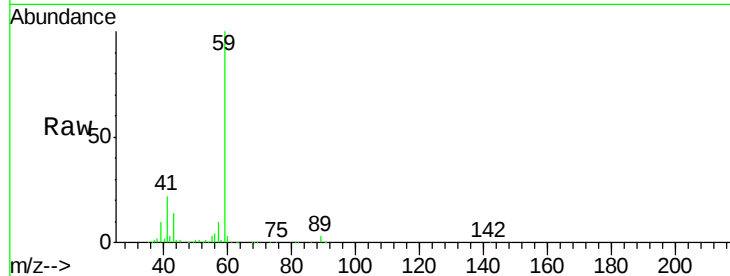
Tert butyl alcohol
Concen: 224.286 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX010662.D
Acq: 04 Jul 2019 02:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	7.7	11.5

Manual Integrations
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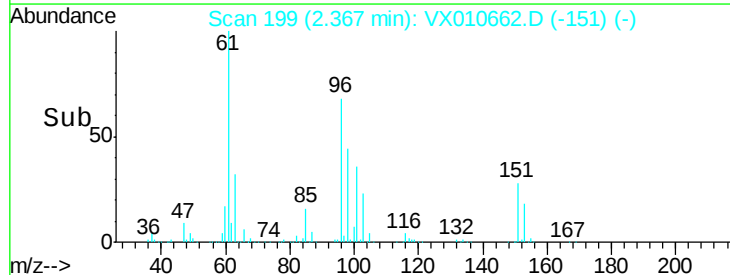
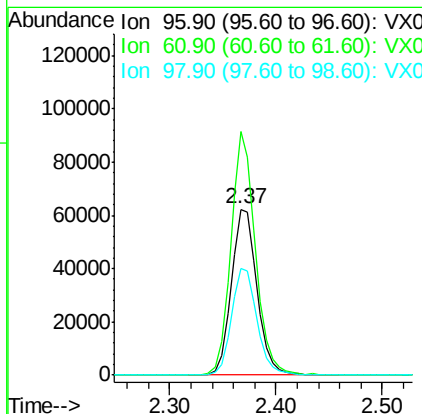
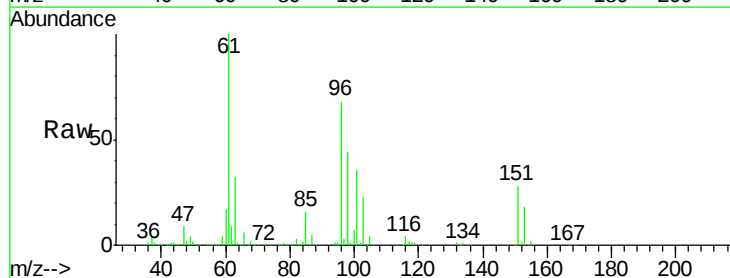
MMDadoda
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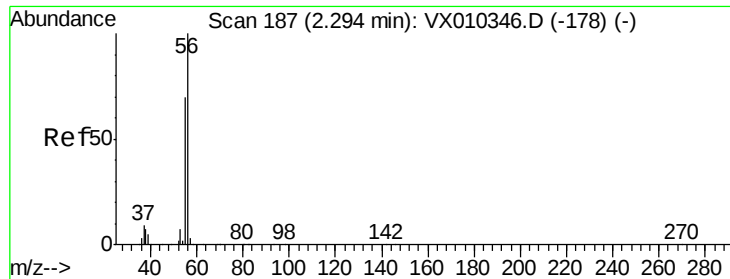


#12

1,1-Dichloroethene
Concen: 51.483 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX010662.D
Acq: 04 Jul 2019 02:05

Tgt Ion	Ratio	Lower	Upper
96	100		
61	146.5	109.2	163.8
98	64.0	51.1	76.7





#13

Acrolein

Concen: 214.570 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010662.D

Acq: 04 Jul 2019 02:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 82446

Ion Ratio Lower Upper

56 100

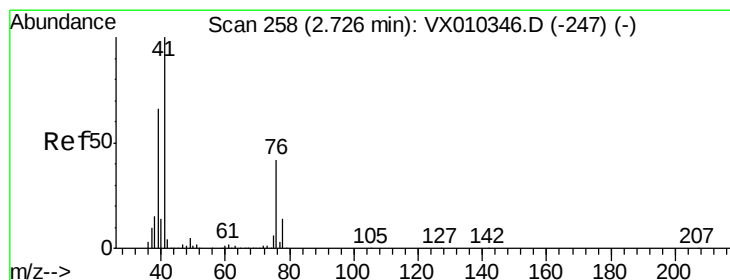
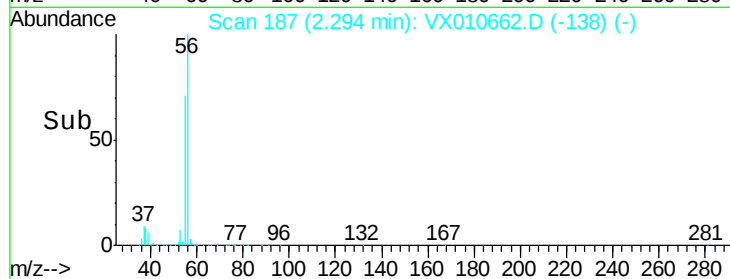
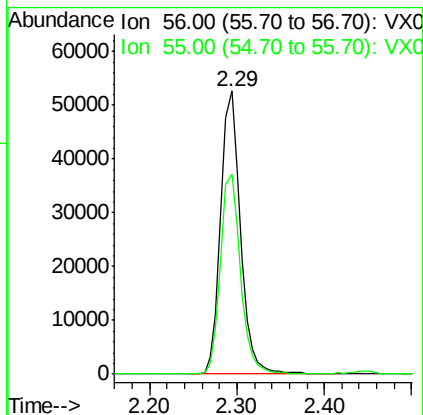
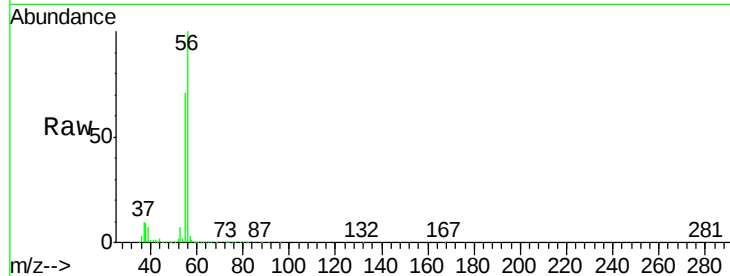
55 71.9 56.9 85.3

Manual Integrations

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#14

Allyl chloride

Concen: 49.923 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX010662.D

Acq: 04 Jul 2019 02:05

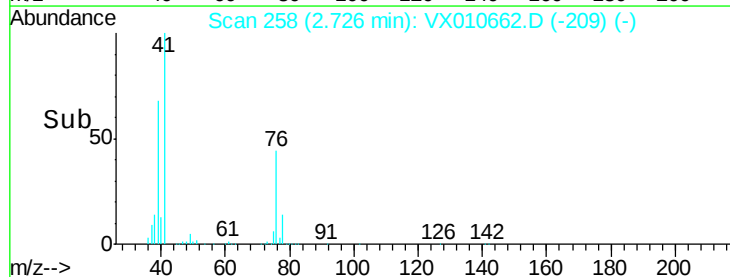
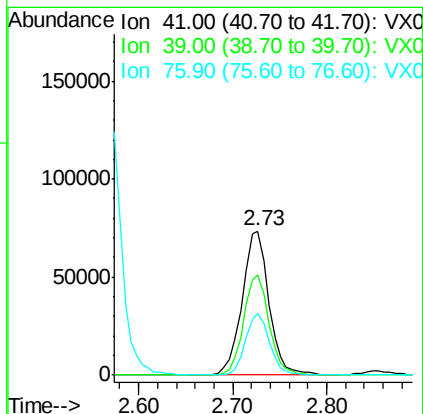
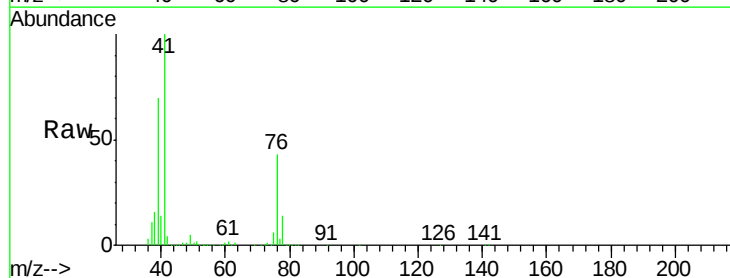
Tgt Ion: 41 Resp: 145038

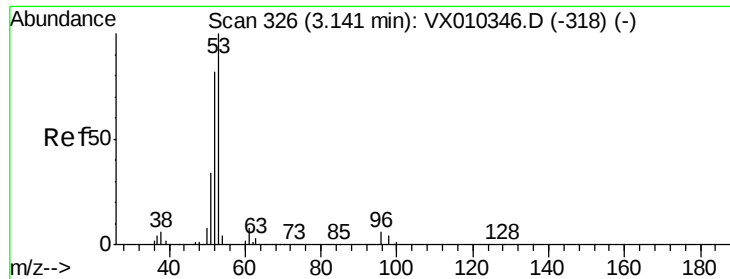
Ion Ratio Lower Upper

41 100

39 65.9 50.3 75.5

76 38.4 31.3 46.9





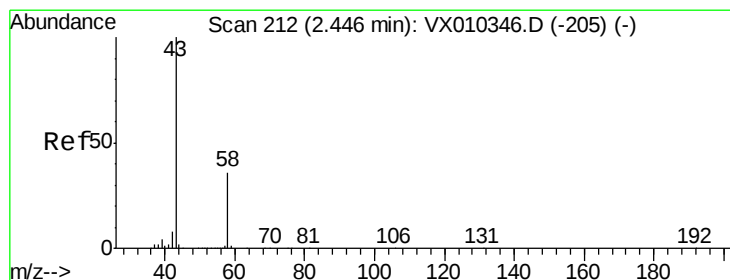
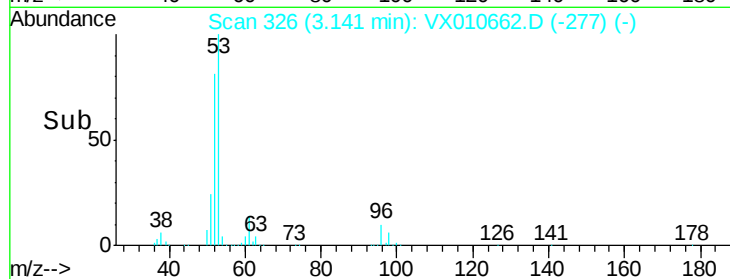
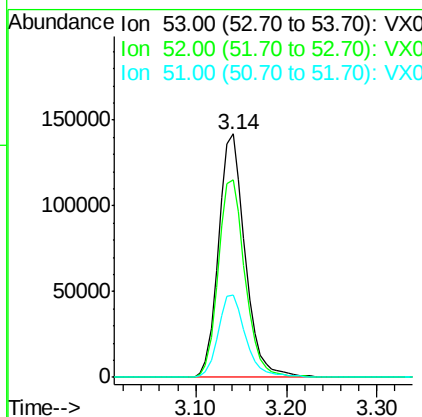
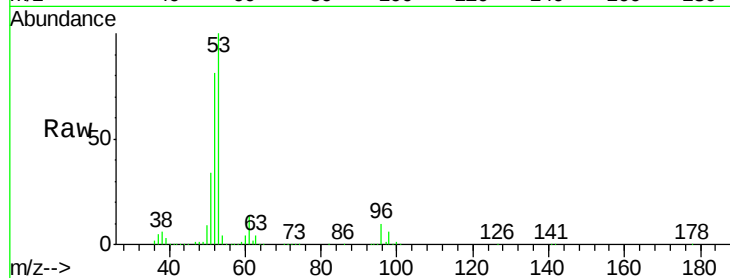
#15
 Acrylonitrile
 Concen: 253.139 ug/l
 RT: 3.14 min Scan# 326
 Delta R.T. 0.00 min
 Lab File: VX010662.D
 Acq: 04 Jul 2019 02:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	53	Resp:	290296
Ion	Ratio	Lower	Upper
53	100		
52	81.9	65.5	98.3
51	35.0	28.2	42.4

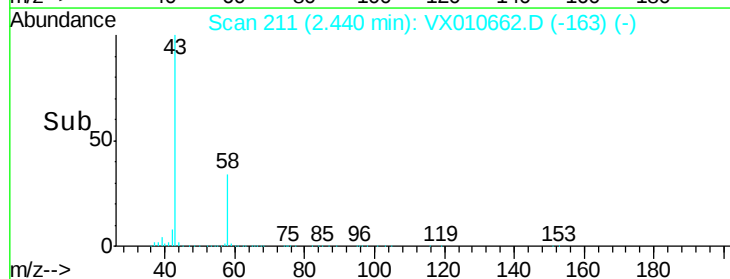
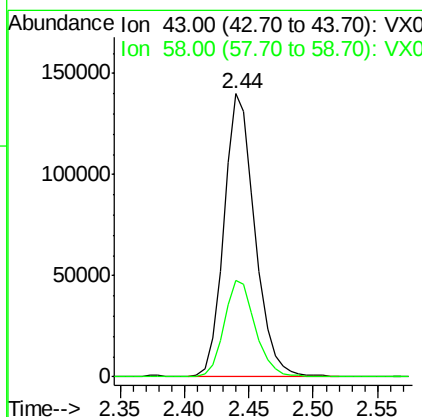
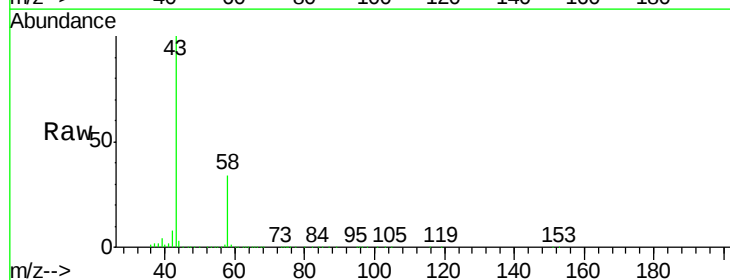
Manual Integrations
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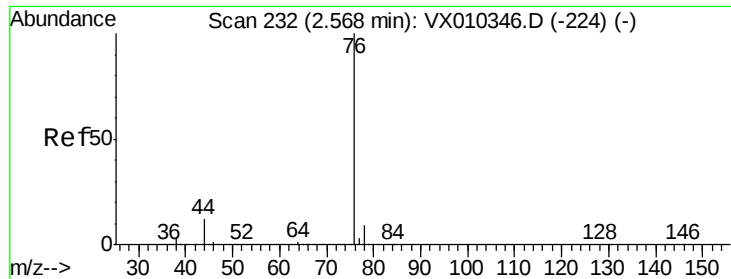
MMDadoda
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#16
 Acetone
 Concen: 210.628 ug/l
 RT: 2.44 min Scan# 211
 Delta R.T. -0.01 min
 Lab File: VX010662.D
 Acq: 04 Jul 2019 02:05

Tgt Ion:	43	Resp:	233664
Ion	Ratio	Lower	Upper
43	100		
58	34.2	28.9	43.3





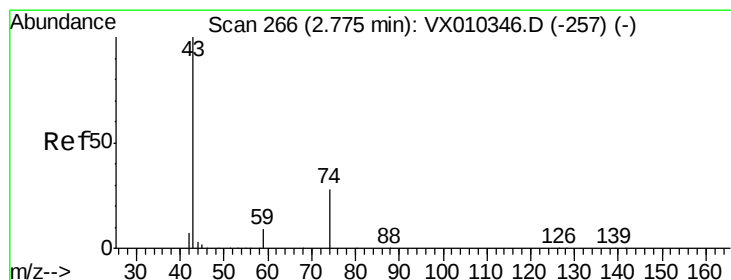
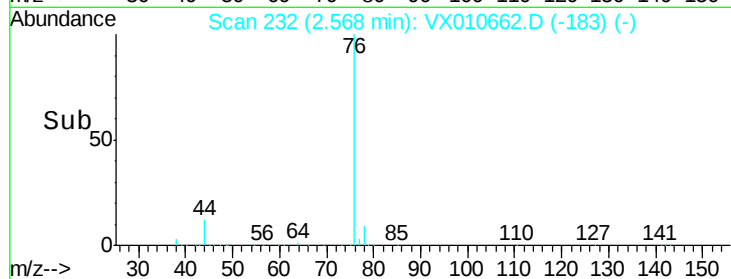
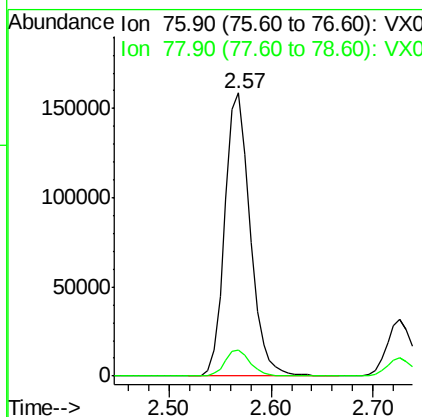
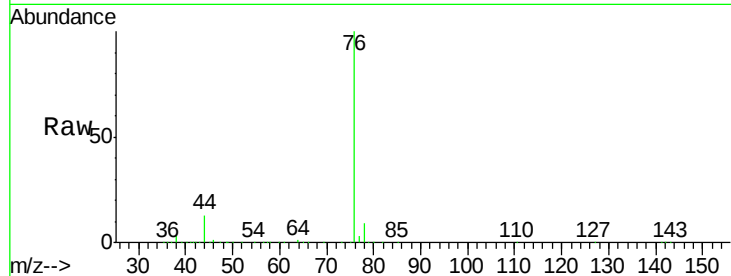
#17
Carbon Disulfide
Concen: 49.809 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX010662.D
Acq: 04 Jul 2019 02:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.3	10.9

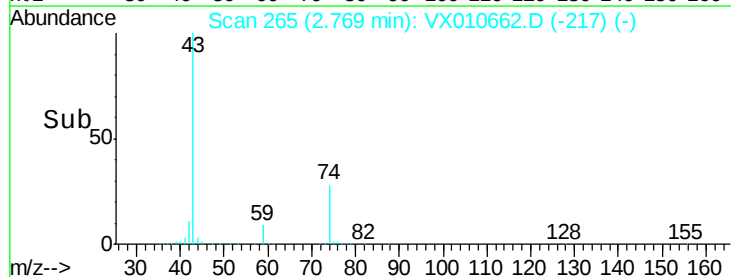
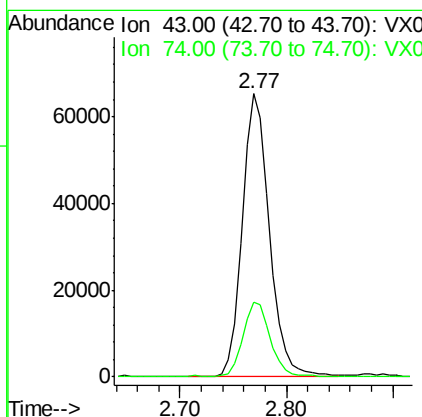
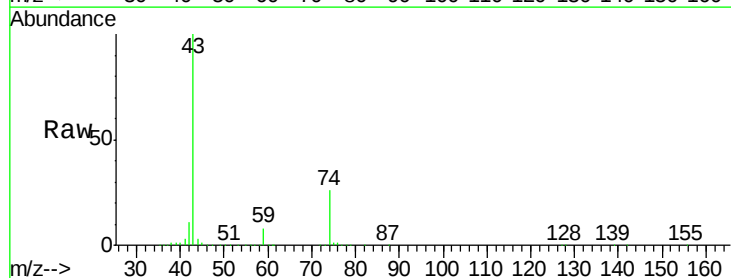
Manual Integrations
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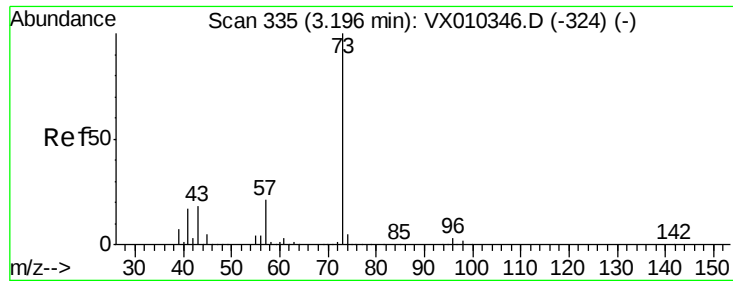
MMDadoda
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#18
Methyl Acetate
Concen: 52.541 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX010662.D
Acq: 04 Jul 2019 02:05

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.9	21.3	31.9





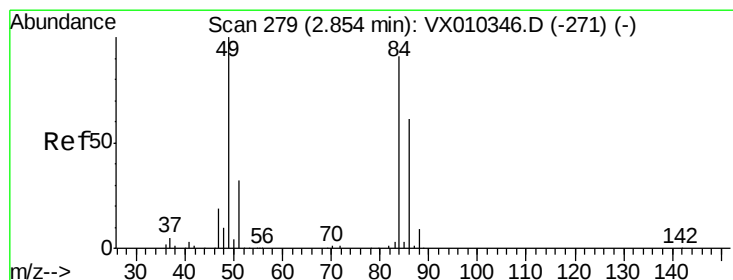
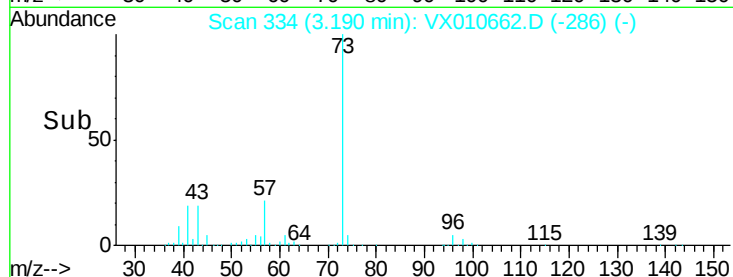
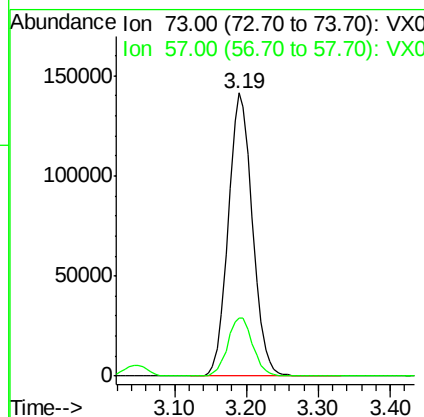
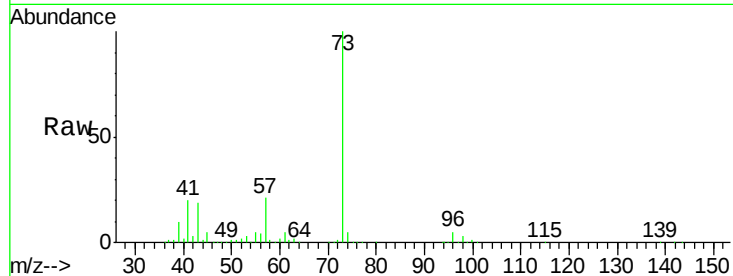
#19
Methyl tert-butyl Ether
Concen: 51.313 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.01 min
Lab File: VX010662.D
Acq: 04 Jul 2019 02:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.7	16.4	24.6

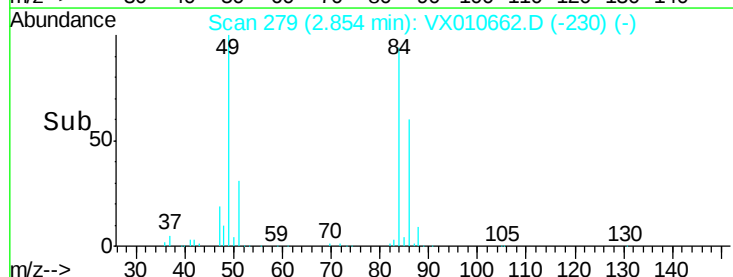
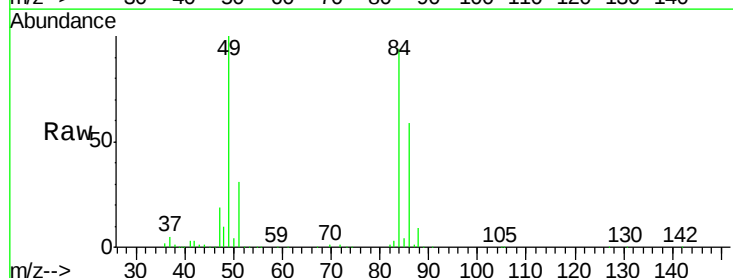
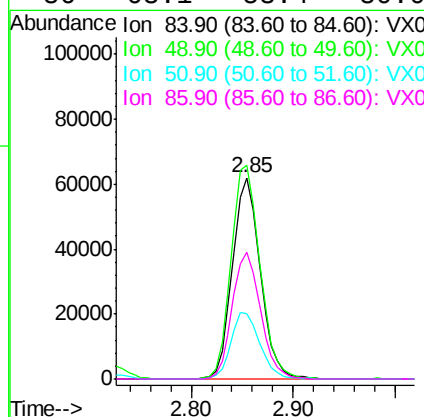
Manual Integrations
APPROVED

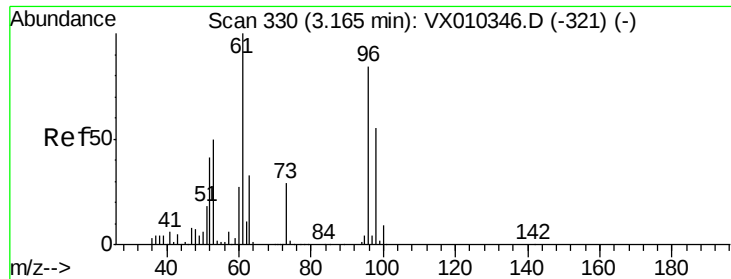
MMDadoda
7/8/2019 10:58:13 AM



#20
Methylene Chloride
Concen: 51.339 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX010662.D
Acq: 04 Jul 2019 02:05

Tgt Ion	Ratio	Lower	Upper
84	100		
49	105.9	87.5	131.3
51	32.4	27.7	41.5
86	63.1	53.4	80.0





#21

trans-1,2-Dichloroethene

Concen: 50.826 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX010662.D

Acq: 04 Jul 2019 02:05

Instrument :

MSVOA_X

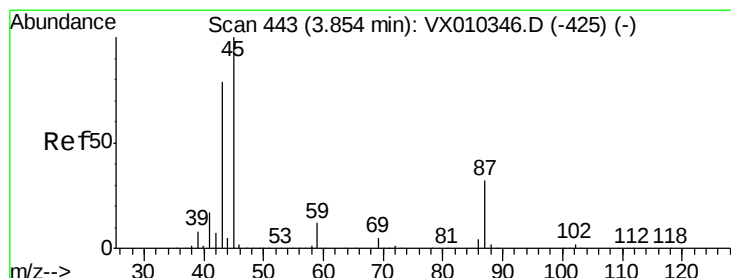
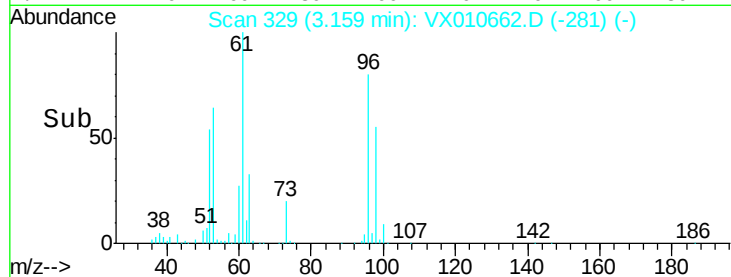
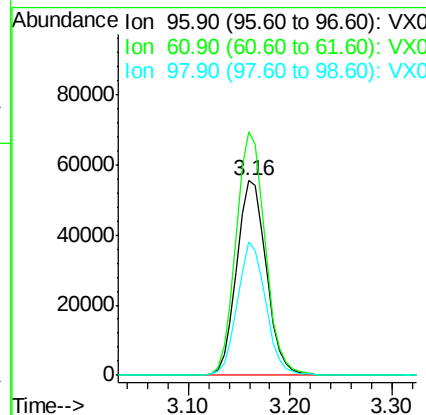
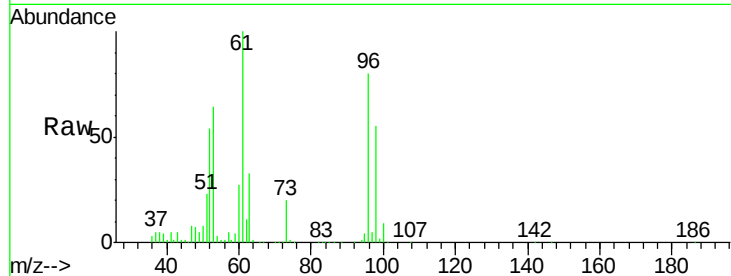
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	111862
Ion	Ratio	Lower	Upper
96	100		
61	125.0	95.6	143.4
98	68.5	52.5	78.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 51.836 ug/l

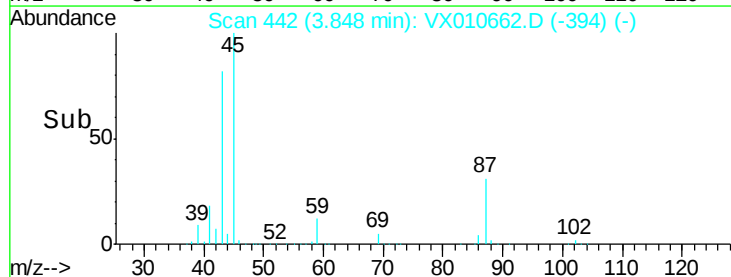
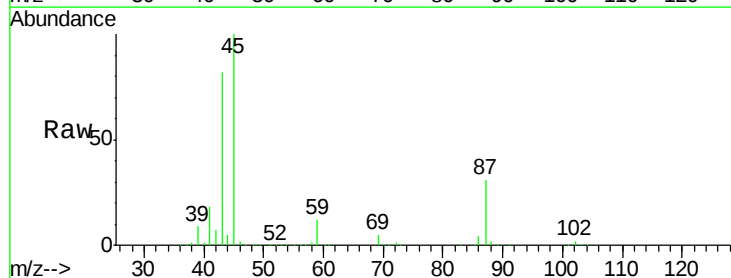
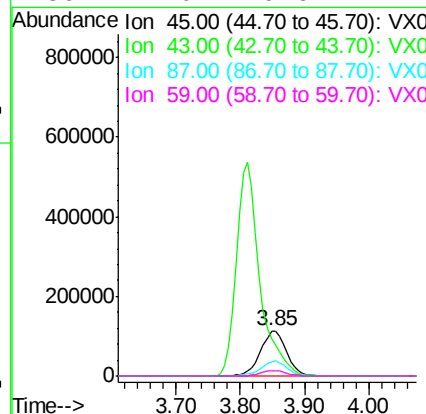
RT: 3.85 min Scan# 442

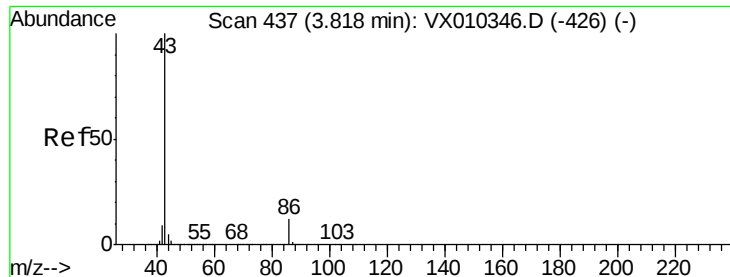
Delta R.T. -0.01 min

Lab File: VX010662.D

Acq: 04 Jul 2019 02:05

Tgt Ion:	45	Resp:	314862
Ion	Ratio	Lower	Upper
45	100		
43	81.7	63.3	94.9
87	31.1	25.8	38.8
59	12.0	9.6	14.4





#23

Vinyl Acetate

Concen: 260.766 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX010662.D

Acq: 04 Jul 2019 02:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1368359

Ion Ratio Lower Upper

43 100

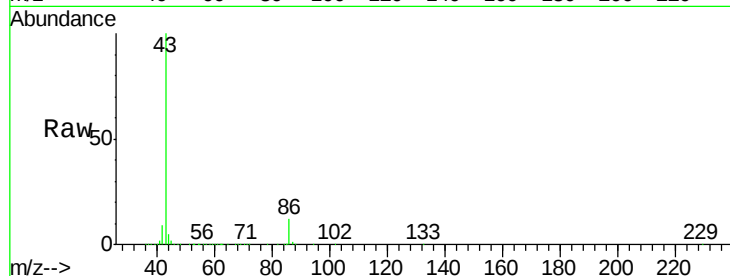
86 11.9 9.9 14.9

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.81

600000

500000

400000

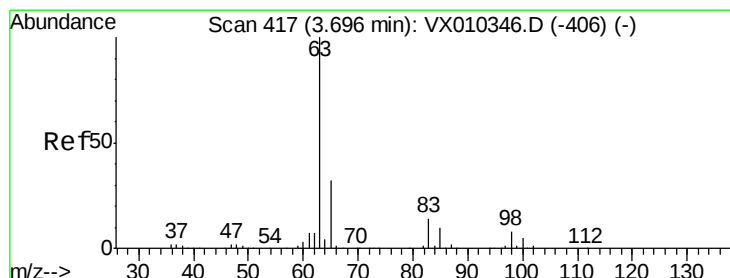
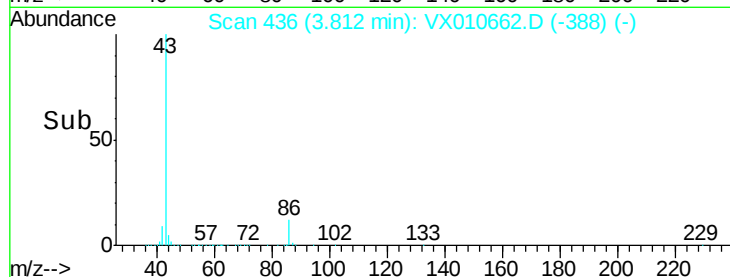
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 51.614 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.01 min

Lab File: VX010662.D

Acq: 04 Jul 2019 02:05

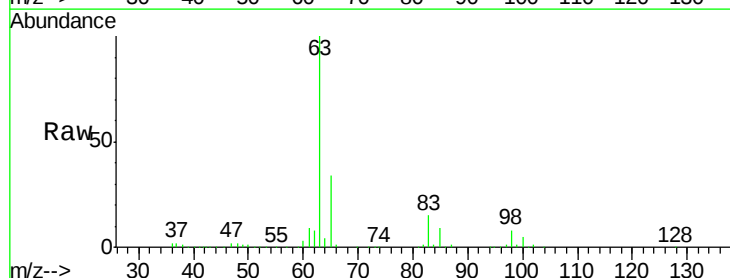
Tgt Ion: 63 Resp: 181223

Ion Ratio Lower Upper

63 100

98 7.7 3.9 11.7

100 4.8 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

3.69

100000

80000

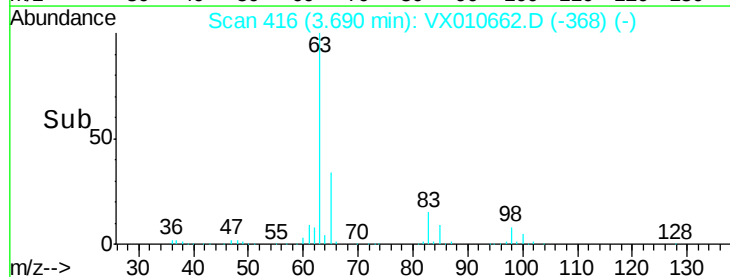
60000

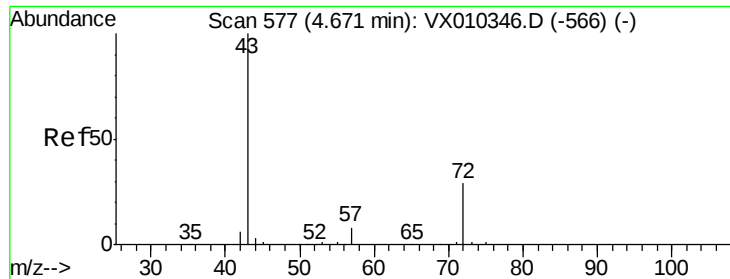
40000

20000

0

Time-->





#25

2-Butanone

Concen: 239.922 ug/l

RT: 4.67 min Scan# 576

Delta R.T. -0.01 min

Lab File: VX010662.D

Acq: 04 Jul 2019 02:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 390426

Ion Ratio Lower Upper

43 100

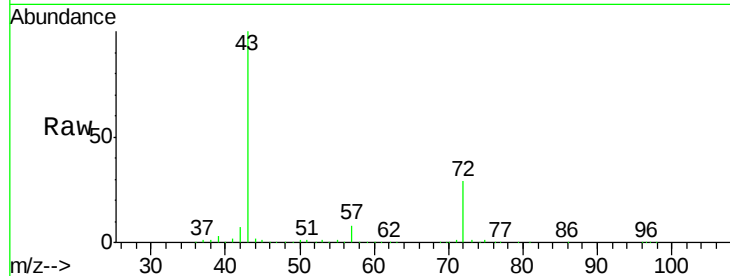
72 28.8 23.3 34.9

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

150000

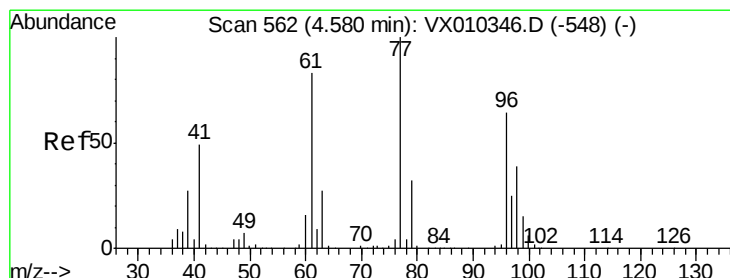
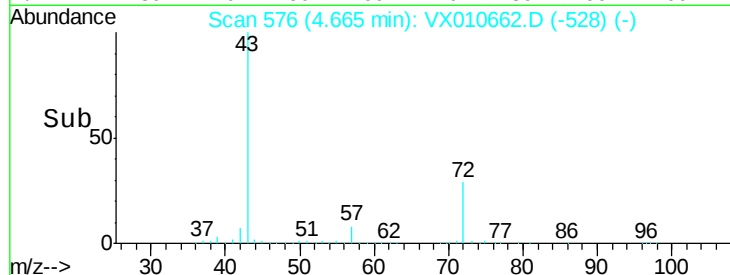
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 34.389 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX010662.D

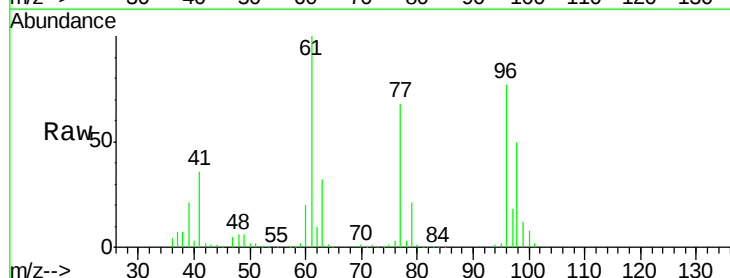
Acq: 04 Jul 2019 02:05

Tgt Ion: 77 Resp: 104888

Ion Ratio Lower Upper

77 100

97 26.8 13.1 39.3



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

40000

30000

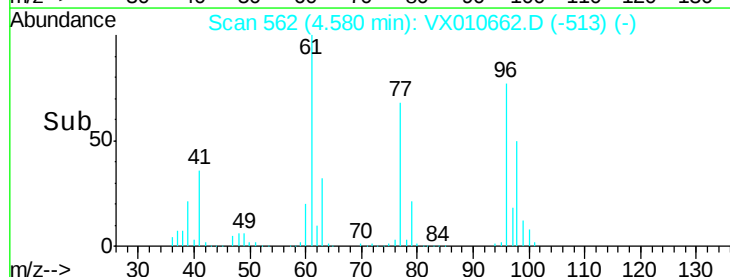
20000

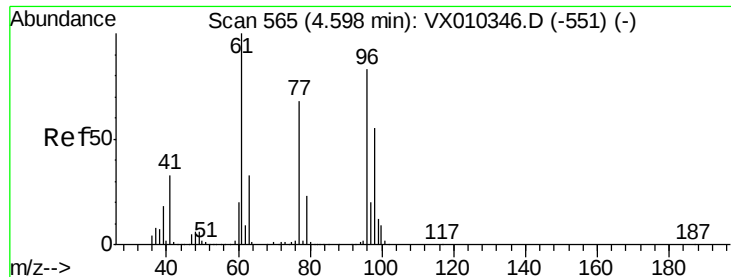
10000

0

4.50 4.60 4.70

Time-->





#27

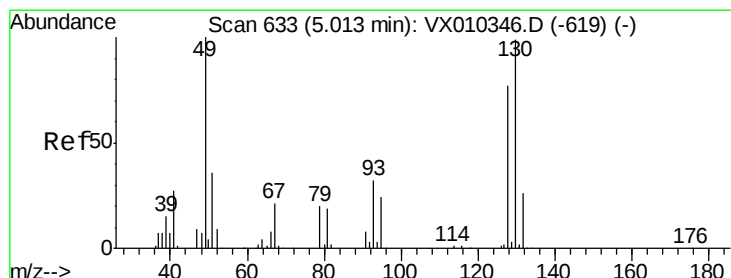
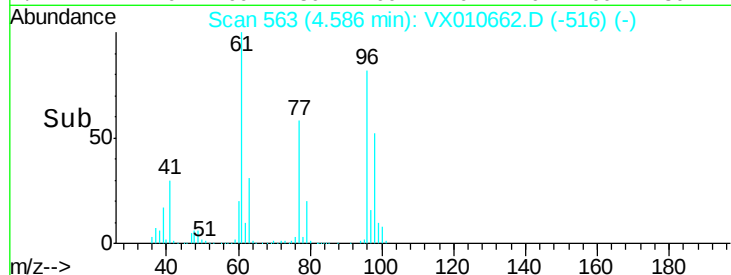
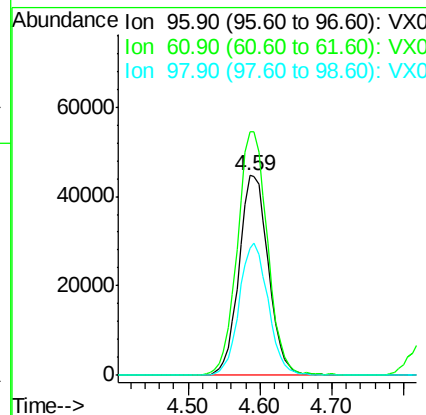
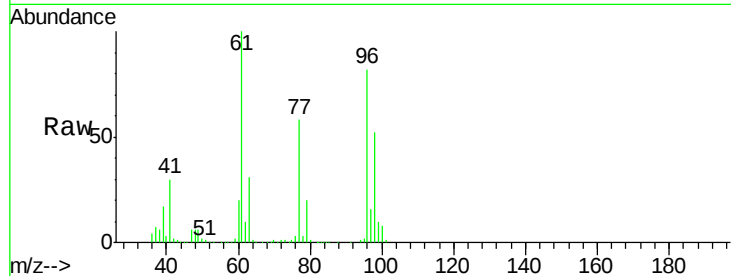
cis-1,2-Dichloroethene
Concen: 50.019 ug/l
RT: 4.59 min Scan# 563
Delta R.T. -0.01 min
Lab File: VX010662.D
Acq: 04 Jul 2019 02:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	127214		
61	124.5	0.0	251.8	
98	64.8	0.0	129.4	

Manual Integrations
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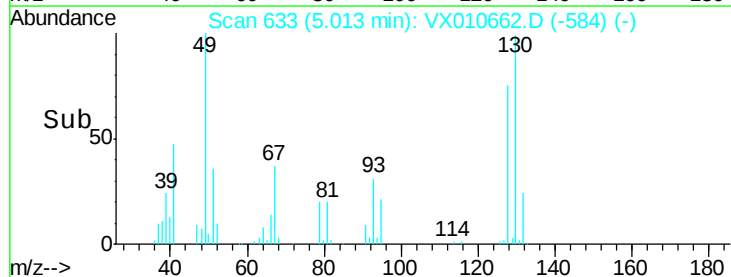
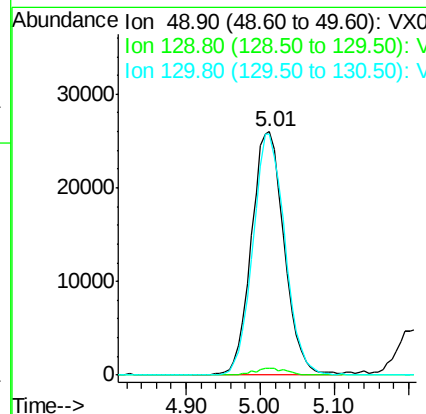
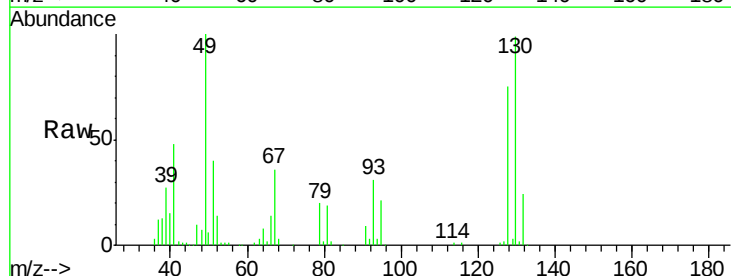
MMDadoda
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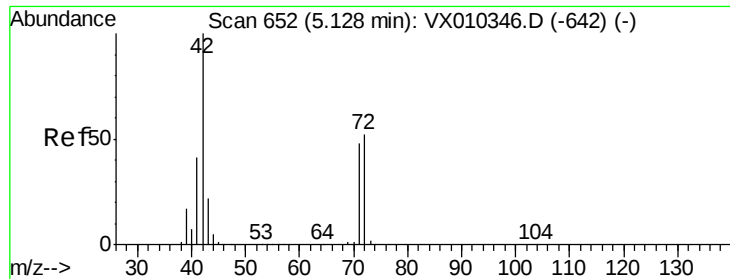


#28

Bromochloromethane
Concen: 47.908 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX010662.D
Acq: 04 Jul 2019 02:05

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	80425		
129	2.9	0.0	5.6	
130	96.4	81.4	122.0	





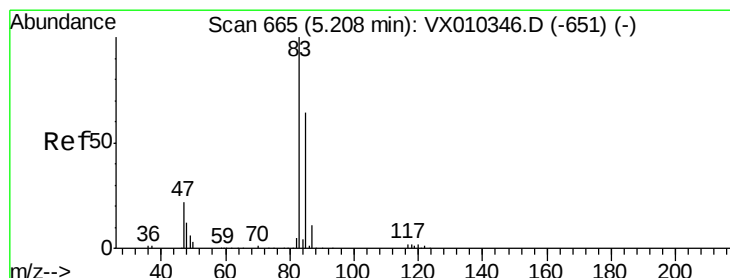
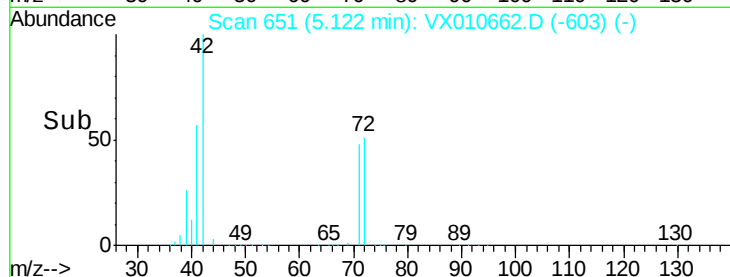
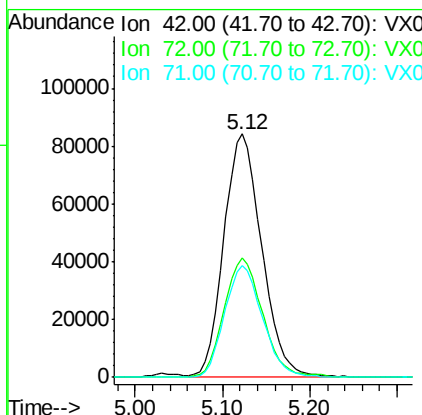
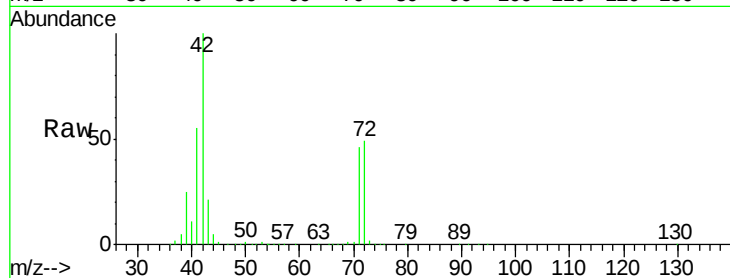
#29
Tetrahydrofuran
Concen: 250.213 ug/l
RT: 5.12 min Scan# 651
Delta R.T. -0.01 min
Lab File: VX010662.D
Acq: 04 Jul 2019 02:05

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.3	40.6	60.8
71	46.2	37.8	56.8

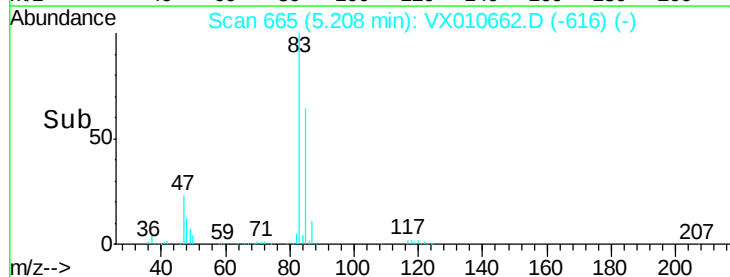
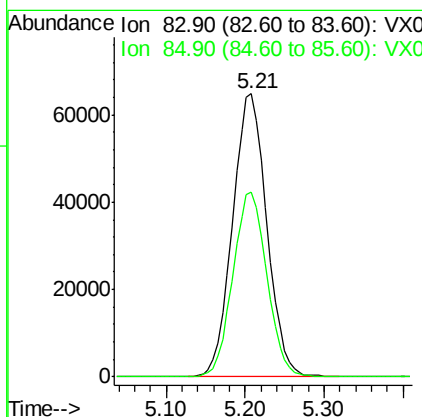
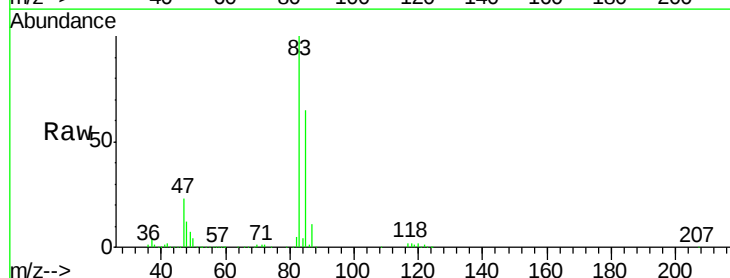
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#30
Chloroform
Concen: 51.702 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX010662.D
Acq: 04 Jul 2019 02:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	50.9	76.3





#31

Cyclohexane

Concen: 52.084 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX010662.D

Acq: 04 Jul 2019 02:05

Instrument :

MSVOA_X

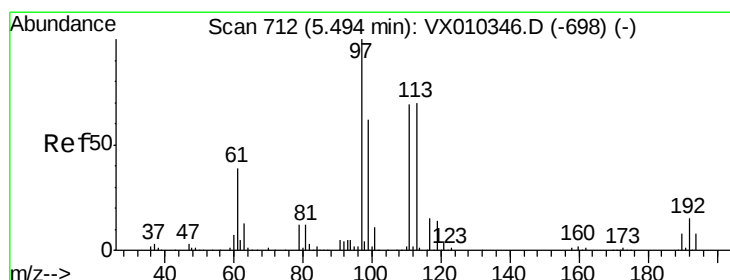
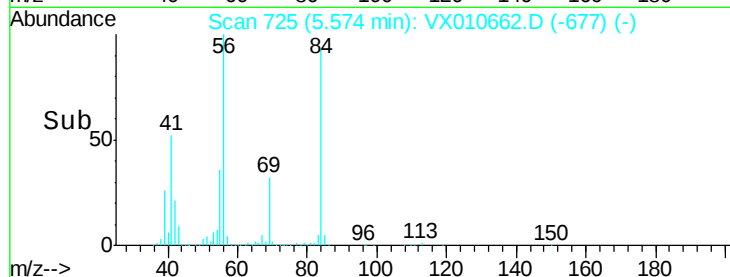
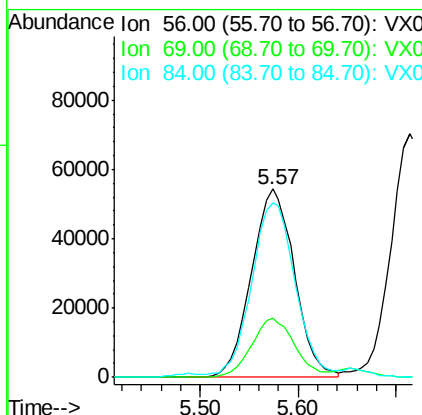
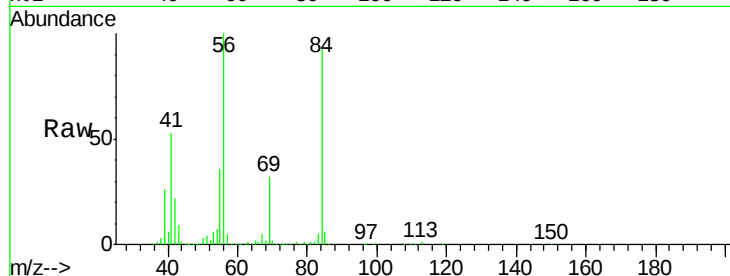
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	166530
Ion	Ratio	Lower	Upper
56	100		
69	31.6	25.9	38.9
84	90.6	78.0	117.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 51.435 ug/l

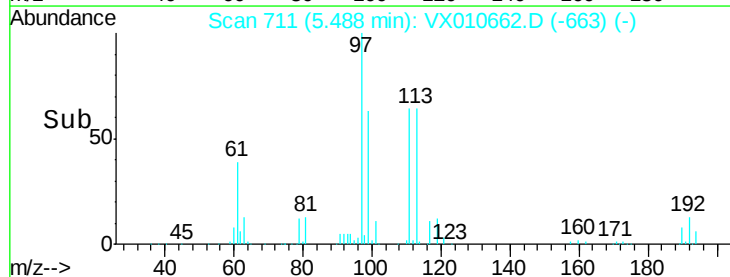
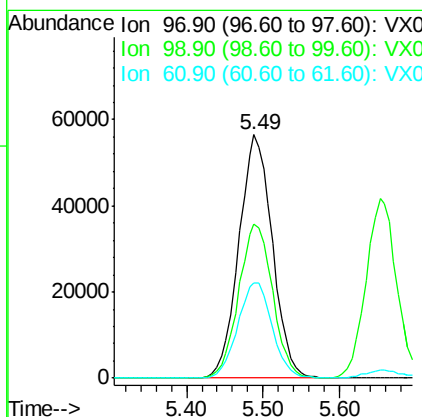
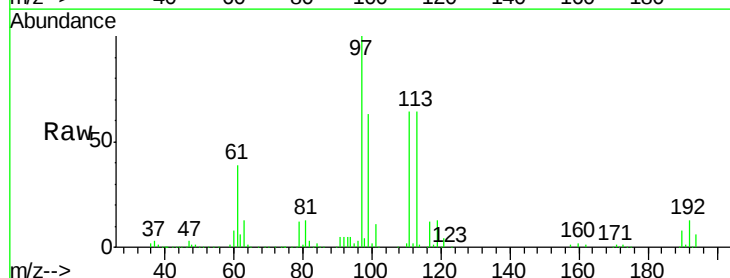
RT: 5.49 min Scan# 711

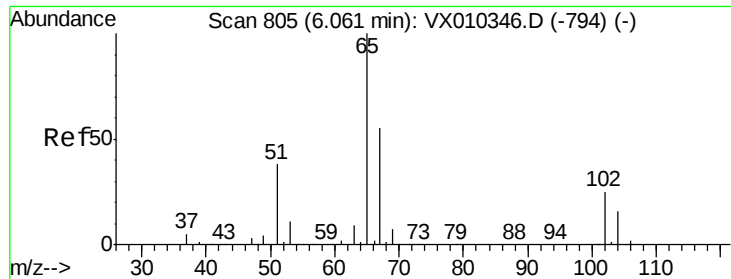
Delta R.T. -0.01 min

Lab File: VX010662.D

Acq: 04 Jul 2019 02:05

Tgt Ion:	97	Resp:	171574
Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.8	77.8
61	40.4	32.1	48.1





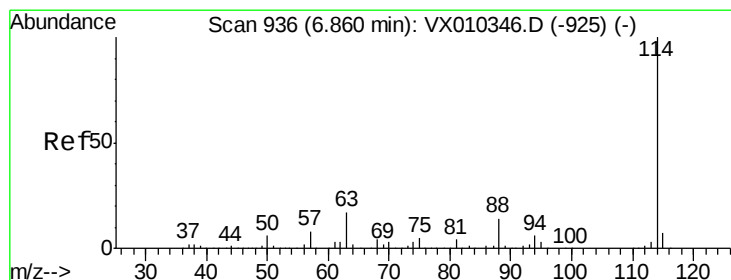
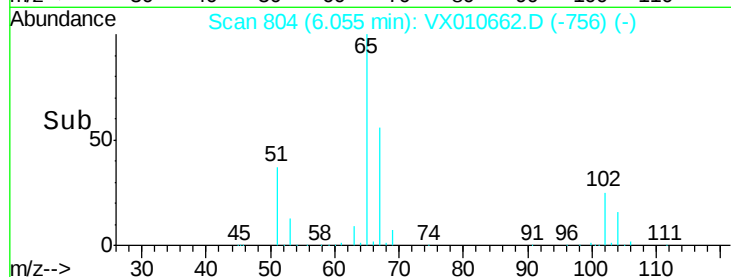
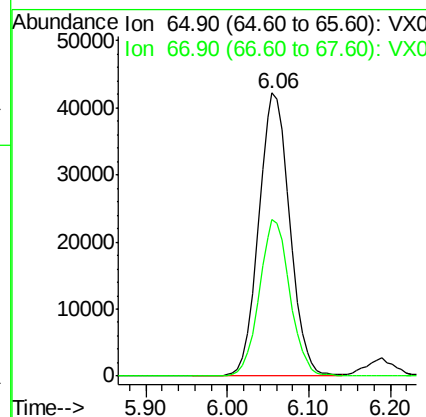
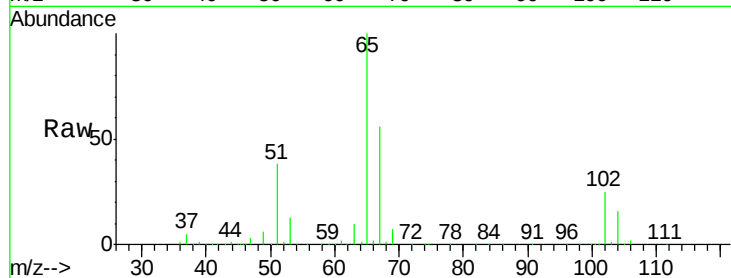
#33
 1,2-Dichloroethane-d4
 Concen: 50.641 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: VX010662.D
 Acq: 04 Jul 2019 02:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.7	0.0	110.2

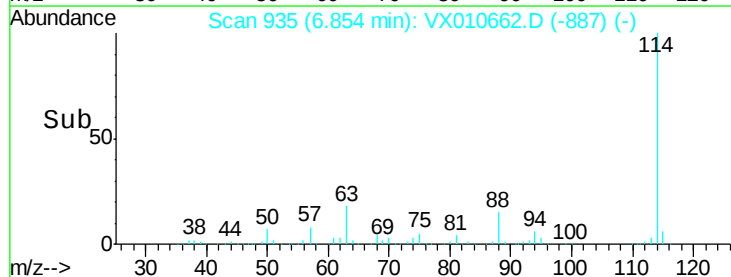
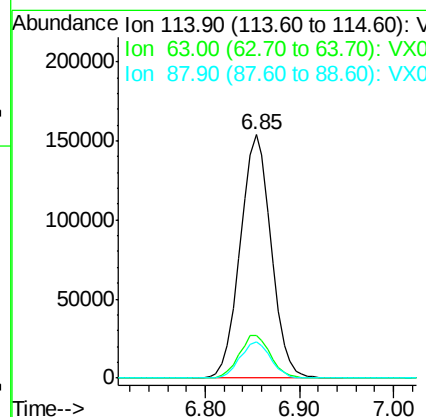
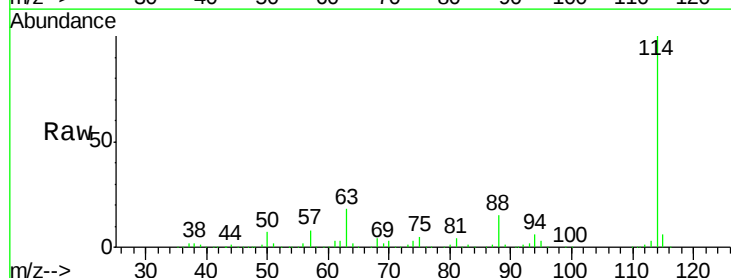
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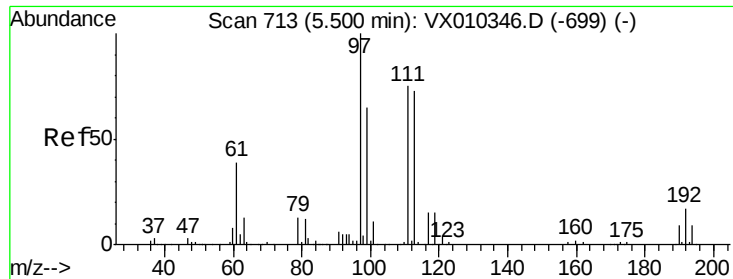
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX010662.D
 Acq: 04 Jul 2019 02:05

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.6	0.0	33.8
88	14.9	0.0	27.6





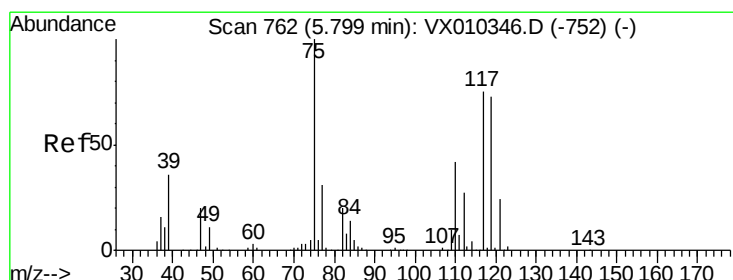
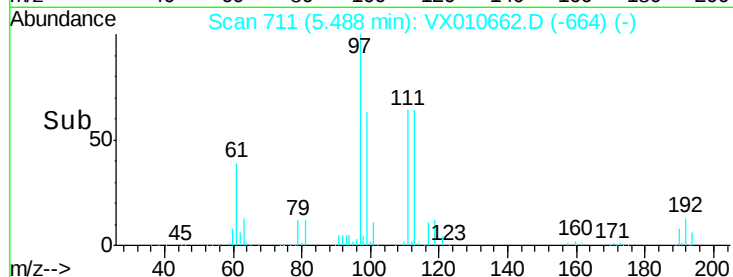
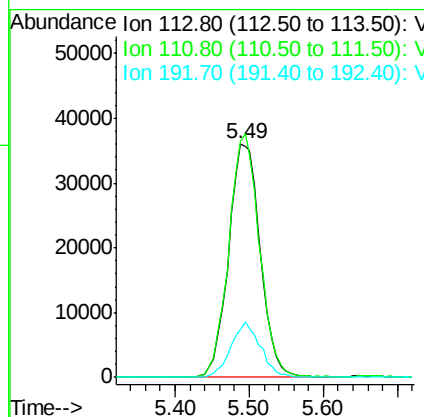
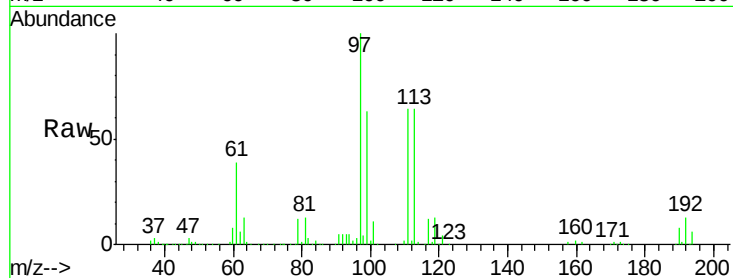
#35
Dibromofluoromethane
Concen: 49.634 ug/l
RT: 5.49 min Scan# 711
Delta R.T. -0.01 min
Lab File: VX010662.D
Acq: 04 Jul 2019 02:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	107299		
111	100.7	81.2	121.8	
192	22.1	18.6	27.8	

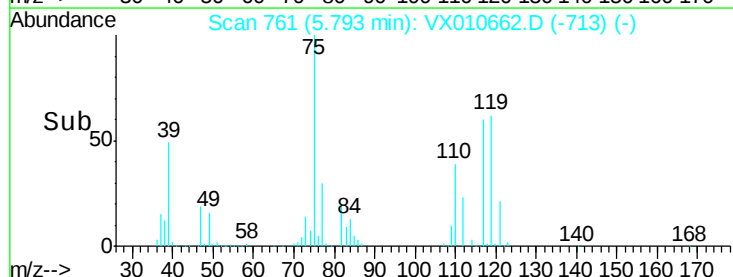
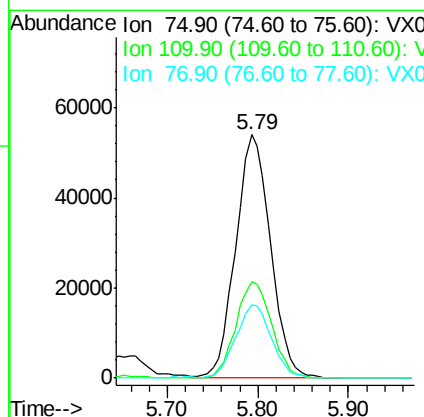
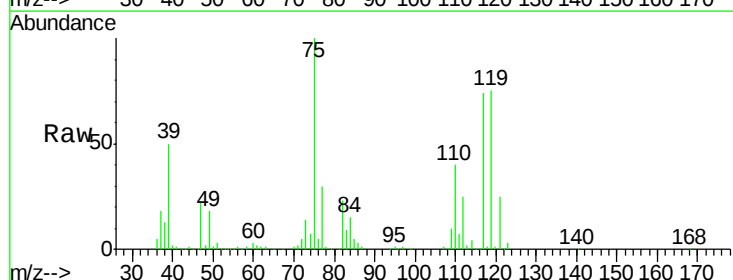
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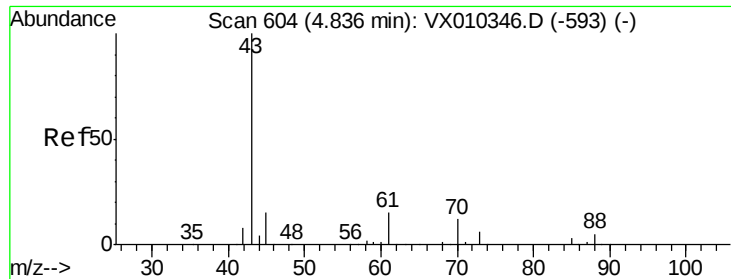
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#36
1,1-Dichloropropene
Concen: 50.941 ug/l
RT: 5.79 min Scan# 761
Delta R.T. -0.01 min
Lab File: VX010662.D
Acq: 04 Jul 2019 02:05

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	143030		
110	40.8	20.8	62.2	
77	31.0	25.4	38.0	





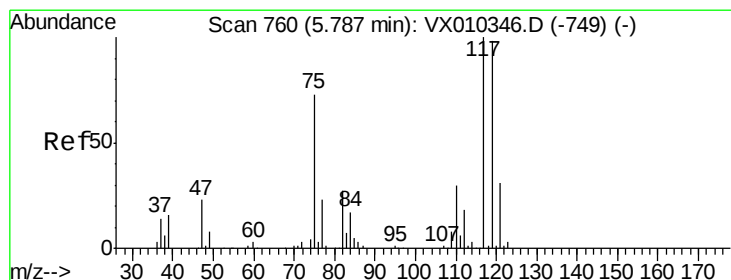
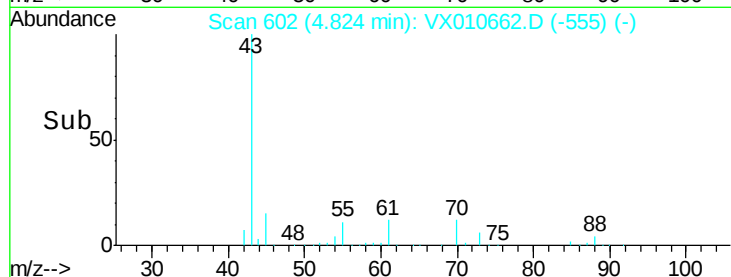
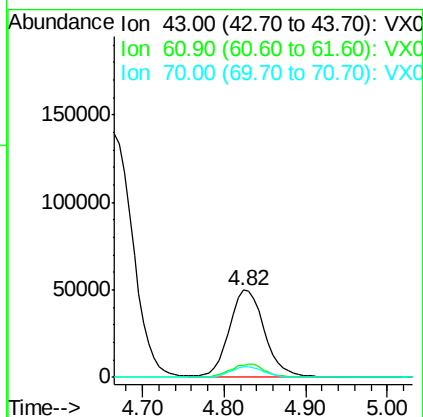
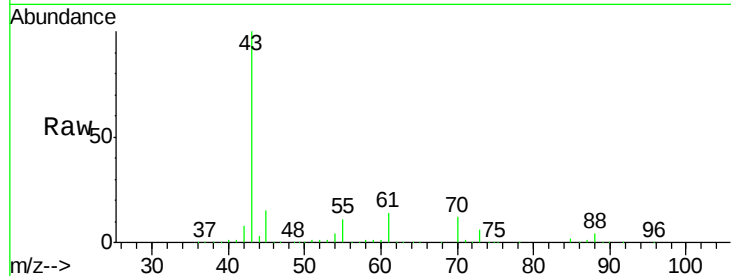
#37
Ethyl Acetate
Concen: 51.014 ug/l
RT: 4.82 min Scan# 602
Delta R.T. -0.01 min
Lab File: VX010662.D
Acq: 04 Jul 2019 02:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	12.4	18.6
70	11.9	9.8	14.8

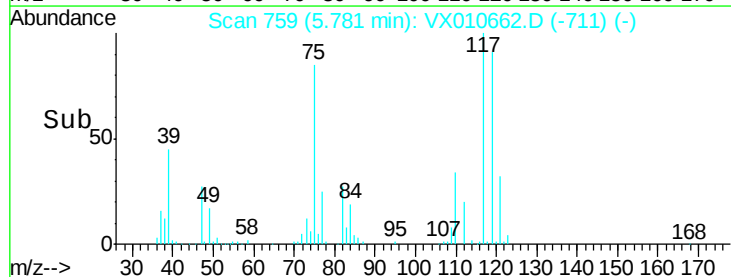
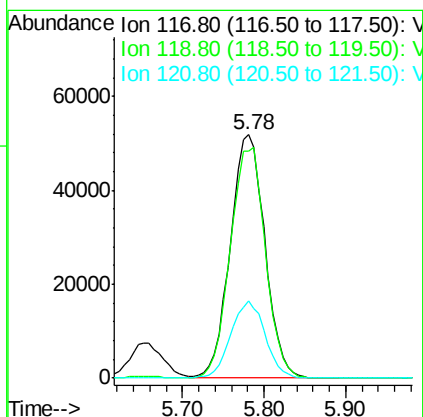
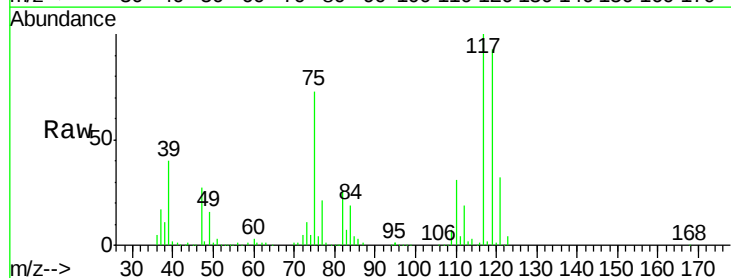
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#38
Carbon Tetrachloride
Concen: 50.008 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX010662.D
Acq: 04 Jul 2019 02:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.3	78.2	117.4
121	31.8	24.7	37.1





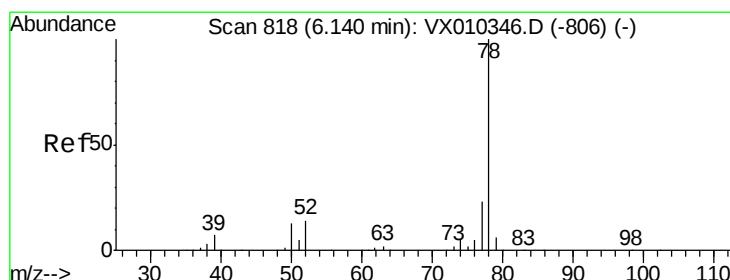
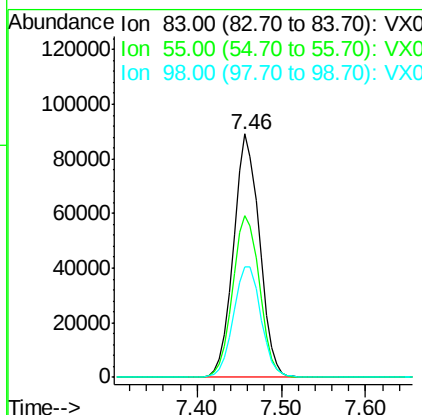
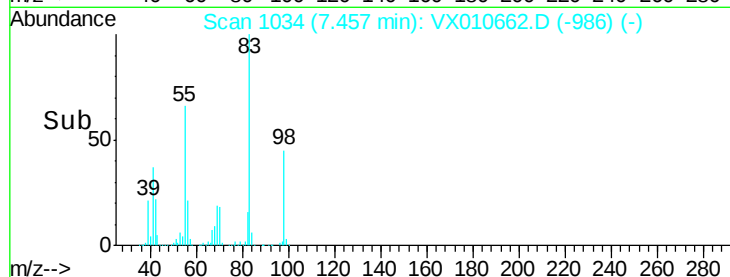
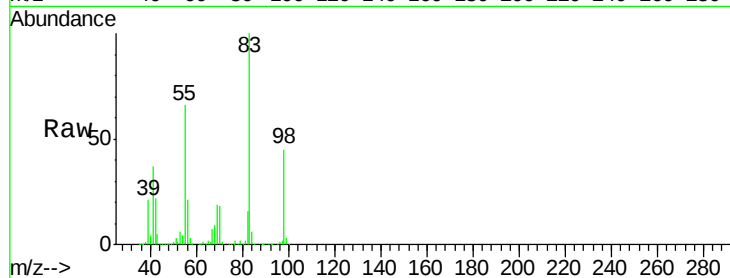
#39
Methvlcvclohexane
Concen: 50.168 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX010662.D
Acq: 04 Jul 2019 02:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	66.2	53.0	79.6
98	45.4	37.8	56.8

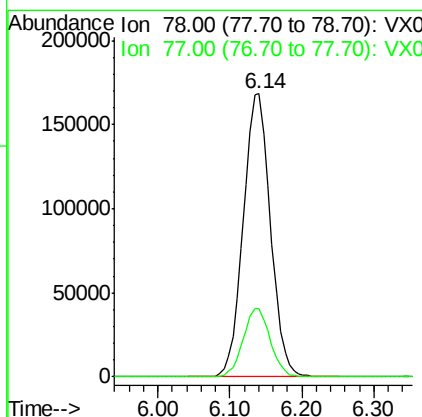
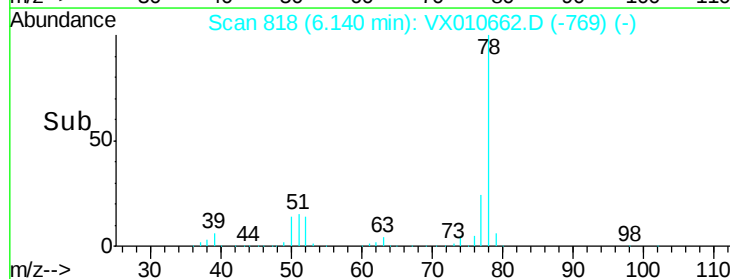
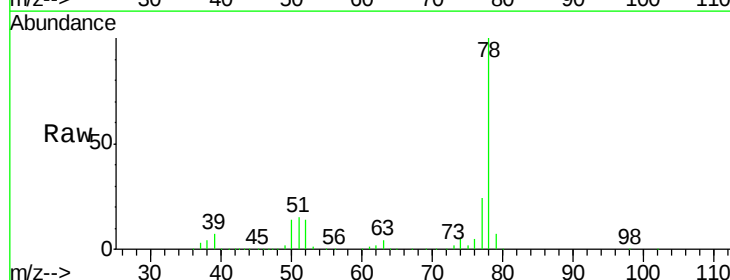
Manual Integrations
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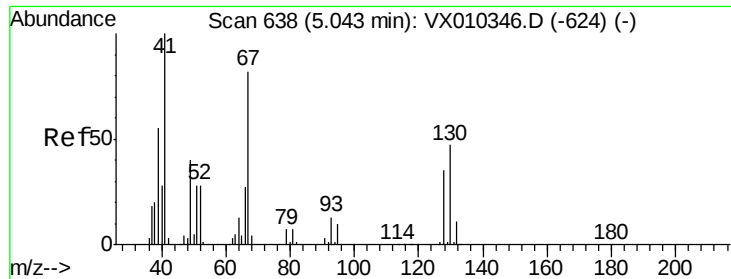
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#40
Benzene
Concen: 50.442 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX010662.D
Acq: 04 Jul 2019 02:05

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.6	28.0





#41

Methacrylonitrile

Concen: 51.355 ug/l

RT: 5.04 min Scan# 637

Delta R.T. -0.01 min

Lab File: VX010662.D

Acq: 04 Jul 2019 02:05

Instrument :

MSVOA_X

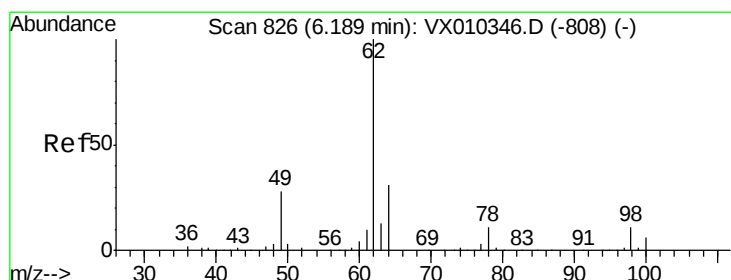
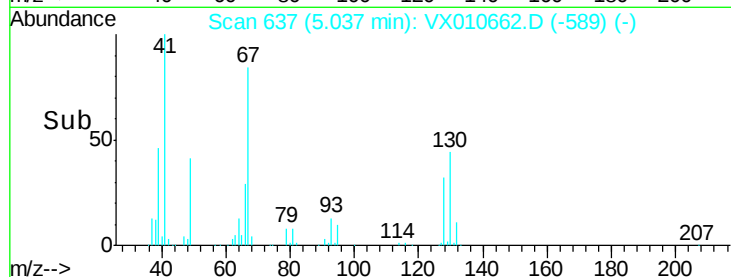
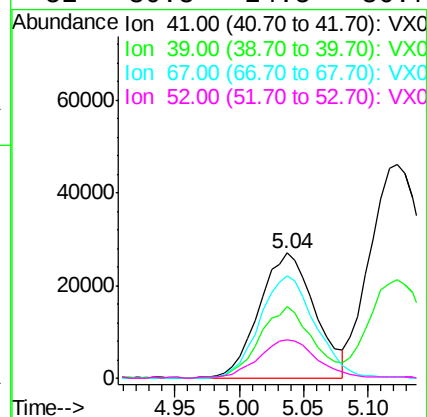
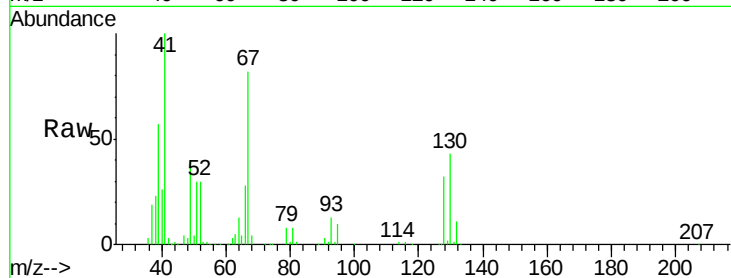
ClientSampled :

VSTDCCC050

Tot Ion:	41	Resp:	81391
Ion	Ratio	Lower	Upper
41	100		
39	53.8	43.8	65.8
67	81.6	66.6	100.0
52	30.8	24.5	36.7

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 54.789 ug/l

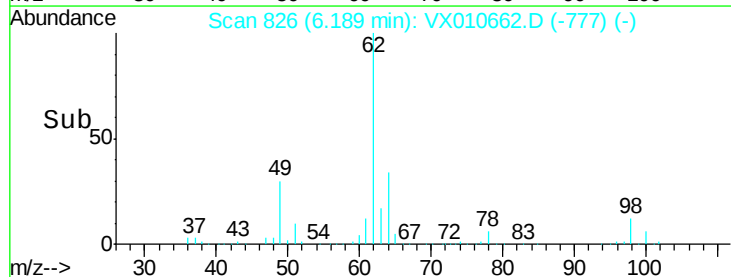
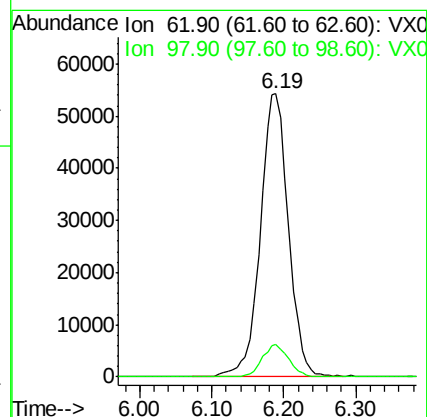
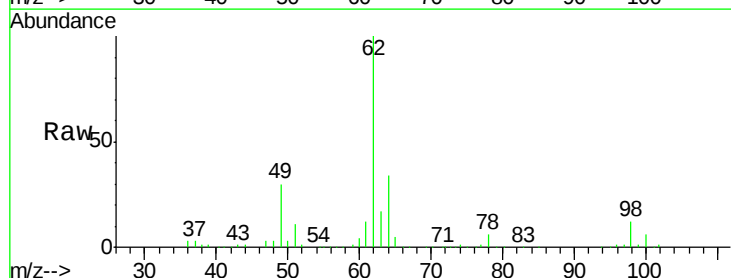
RT: 6.19 min Scan# 826

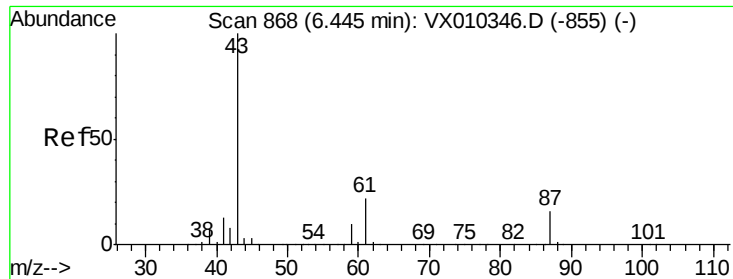
Delta R.T. 0.00 min

Lab File: VX010662.D

Acq: 04 Jul 2019 02:05

Tgt Ion:	62	Resp:	145889
Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	22.2





#43

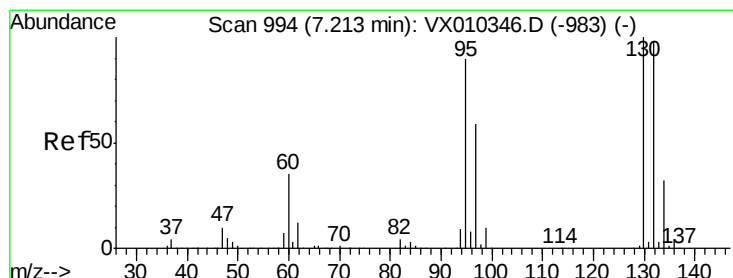
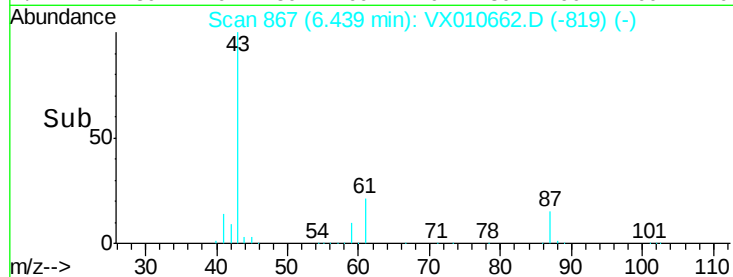
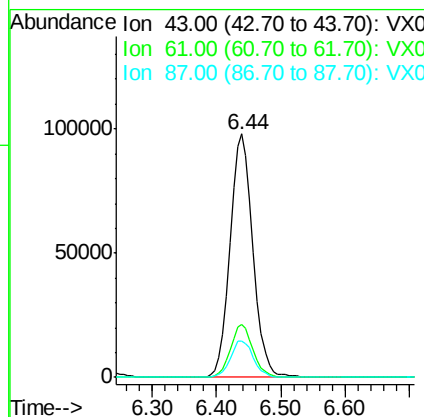
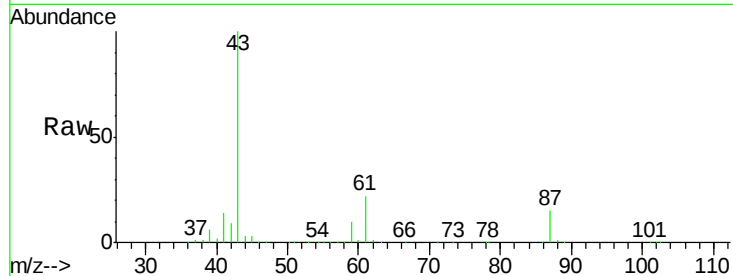
Isopropyl Acetate
 Concen: 50.829 ug/l
 RT: 6.44 min Scan# 867
 Delta R.T. -0.01 min
 Lab File: VX010662.D
 Acq: 04 Jul 2019 02:05

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.4	17.8	26.6
87	15.2	13.0	19.4

Manual Integrations
 APPROVED

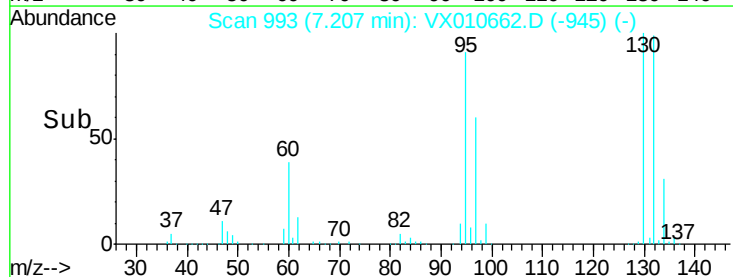
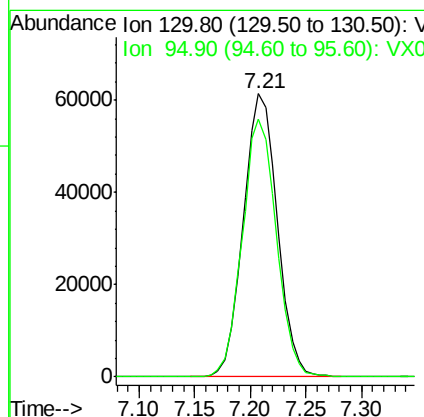
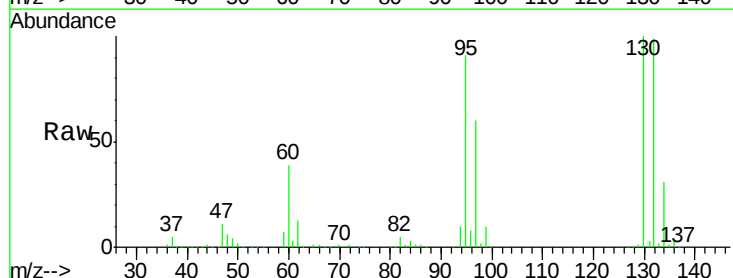
MMDadoda
 7/8/2019 10:58:13 AM

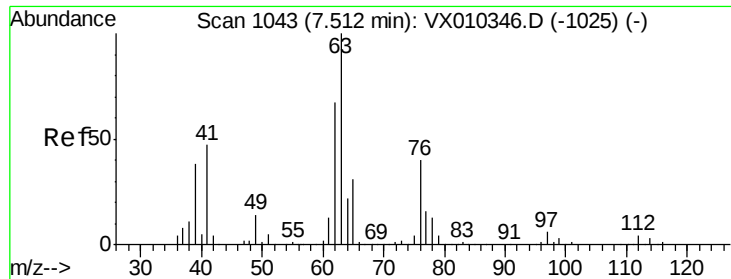


#44

Trichloroethene
 Concen: 49.956 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: VX010662.D
 Acq: 04 Jul 2019 02:05

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.2	0.0	180.8





#45

1,2-Dichloropropane

Concen: 50.380 ug/l

RT: 7.51 min Scan# 1042

Delta R.T. -0.01 min

Lab File: VX010662.D

Acq: 04 Jul 2019 02:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 111290

Ion Ratio Lower Upper

63 100

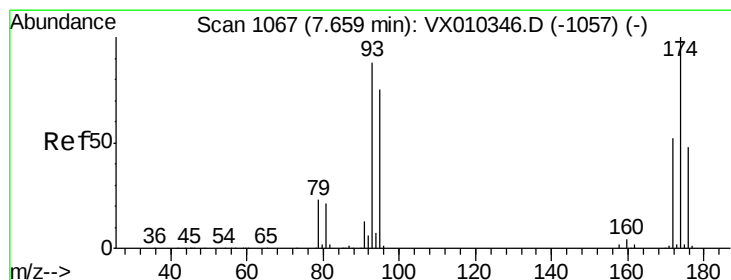
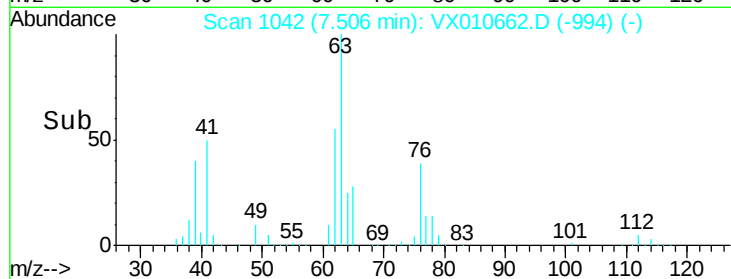
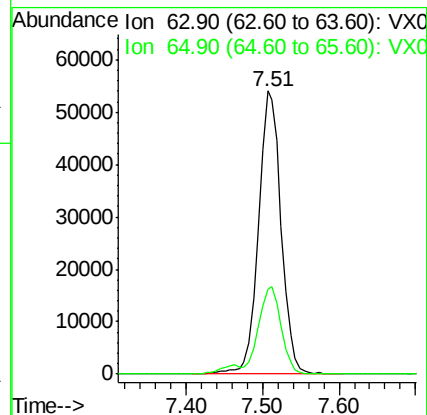
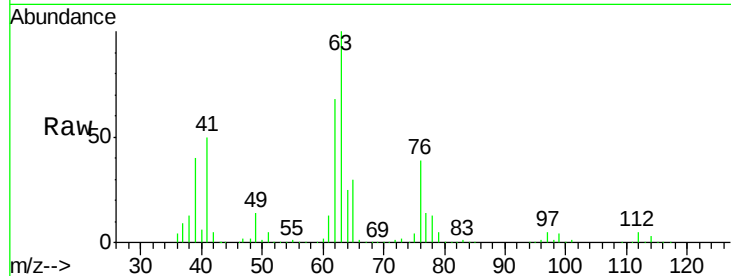
65 29.9 24.8 37.2

Manual Integrations

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#46

Dibromomethane

Concen: 51.363 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX010662.D

Acq: 04 Jul 2019 02:05

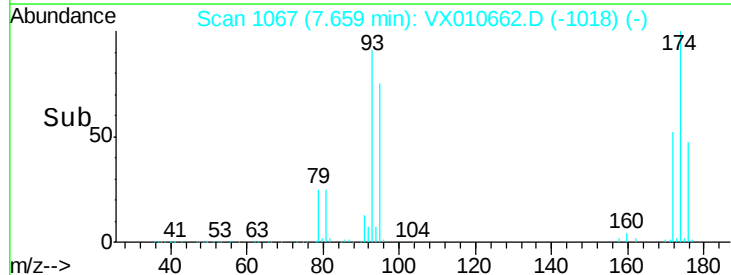
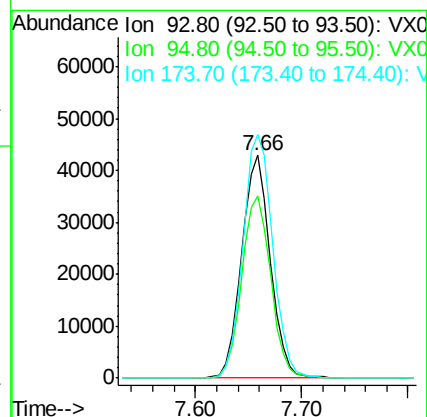
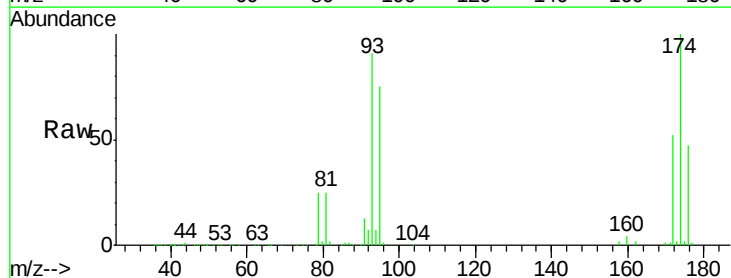
Tgt Ion: 93 Resp: 81405

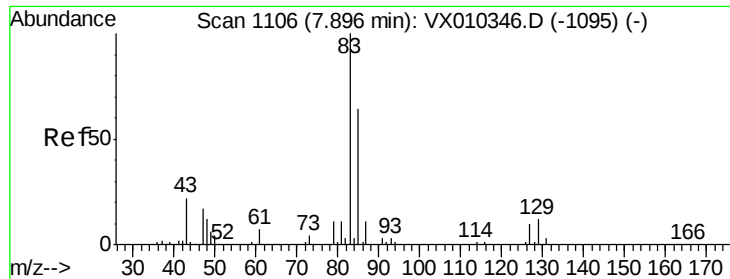
Ion Ratio Lower Upper

93 100

95 83.2 67.5 101.3

174 113.3 95.8 143.6





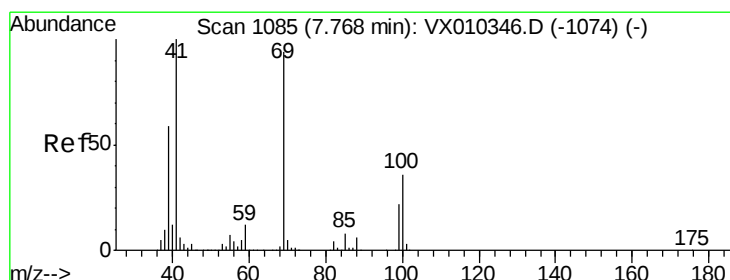
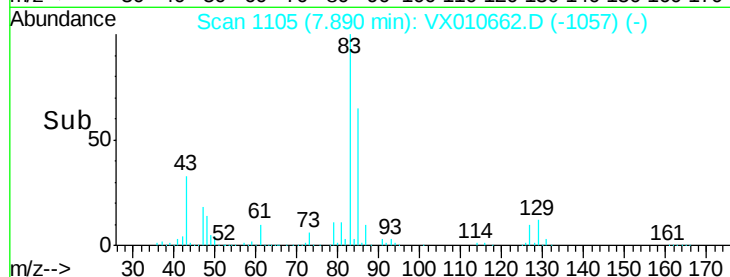
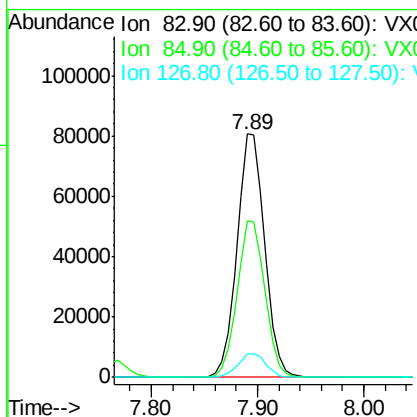
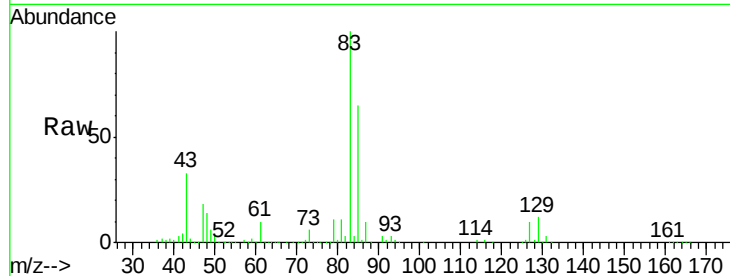
#47
Bromodichloromethane
Concen: 50.765 ug/l
RT: 7.89 min Scan# 1105
Delta R.T. -0.01 min
Lab File: VX010662.D
Acq: 04 Jul 2019 02:05

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	83	Resp	147449
Ion Ratio	100	Lower	Upper
83	100		
85	64.6	51.5	77.3
127	9.5	7.8	11.8

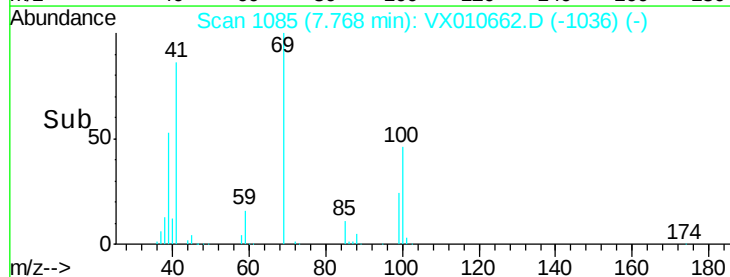
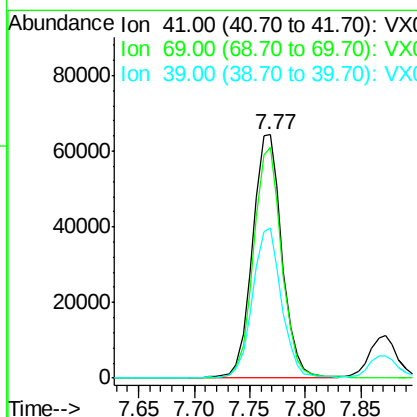
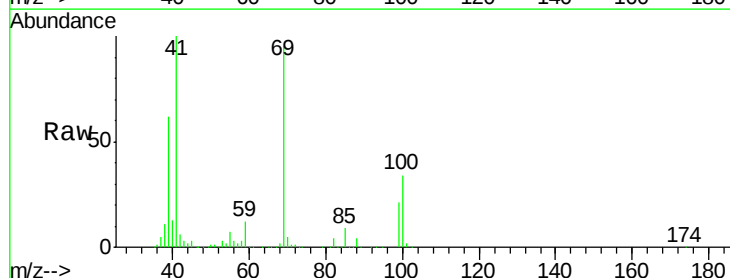
Manual Integrations
APPROVED

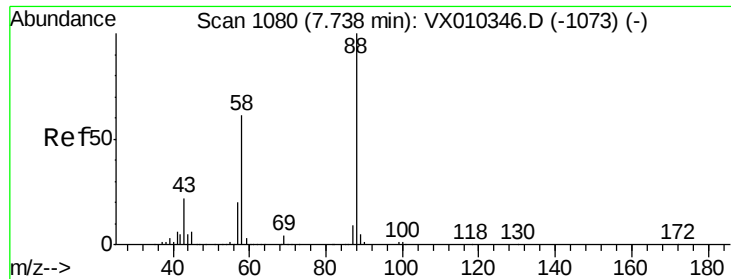
MMDadoda
7/8/2019 10:58:13 AM



#48
Methyl methacrylate
Concen: 53.099 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. 0.00 min
Lab File: VX010662.D
Acq: 04 Jul 2019 02:05

Tgt Ion	41	Resp	117952
Ion Ratio	100	Lower	Upper
41	100		
69	91.9	76.1	114.1
39	60.1	47.6	71.4





#49

1,4-Dioxane

Concen: 958.783 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. 0.00 min

Lab File: VX010662.D

Acq: 04 Jul 2019 02:05

Instrument :

MSVOA_X

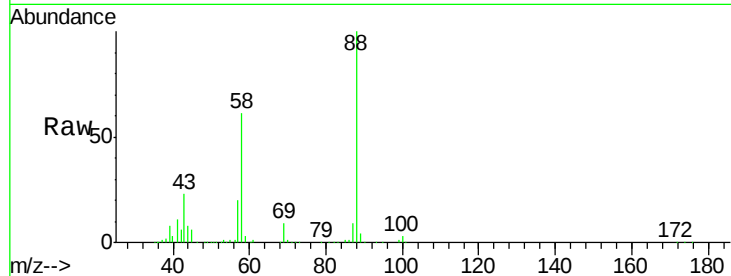
ClientSampleId :

VSTDCCC050

Tot Ion:	88	Resp:	61354
Ion	Ratio	Lower	Upper
88	100		
43	26.2	20.2	30.2
58	62.3	49.5	74.3

Manual Integrations
APPROVED

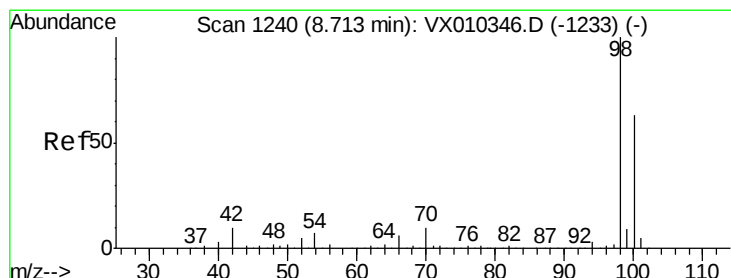
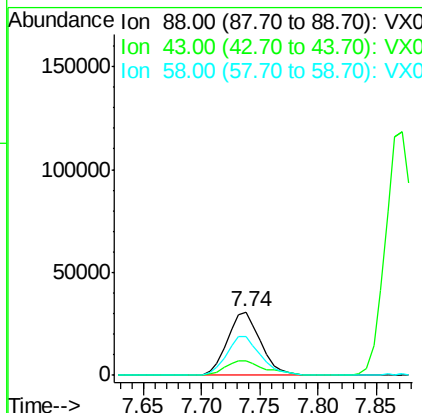
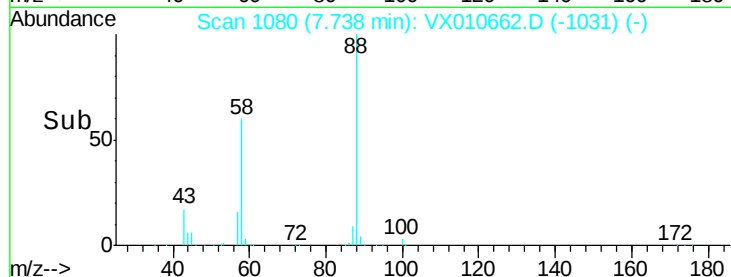
MMDadoda
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Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 47.915 ug/l

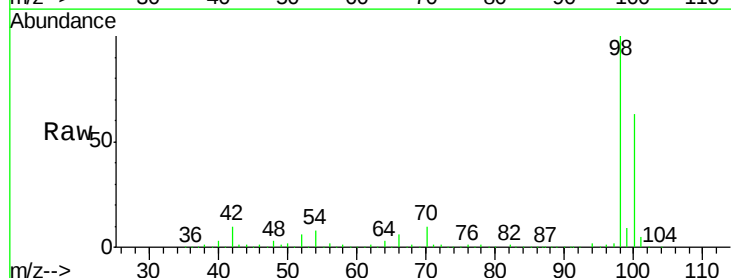
RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010662.D

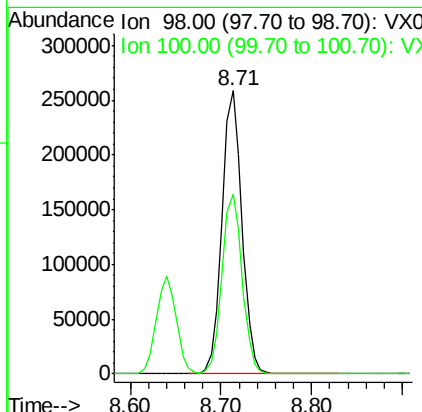
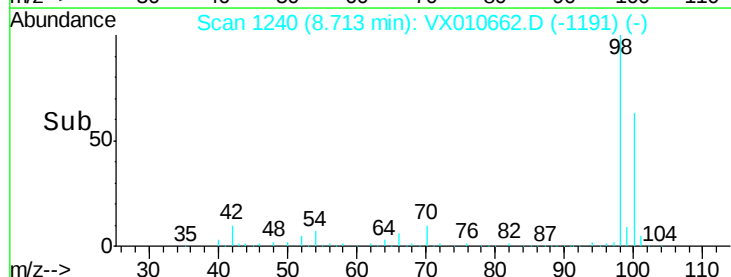
Acq: 04 Jul 2019 02:05

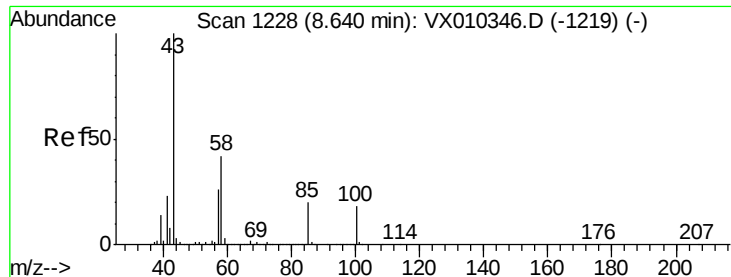
Tgt Ion:	98	Resp:	396293
Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.6	77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 257.877 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX010662.D

Acq: 04 Jul 2019 02:05

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 788194

Ion Ratio Lower Upper

43 100

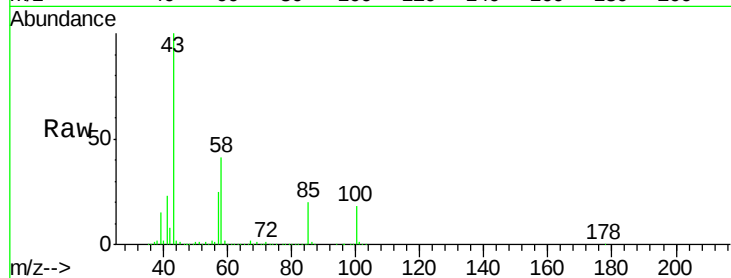
58 40.8 33.5 50.3

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

600000

500000

400000

300000

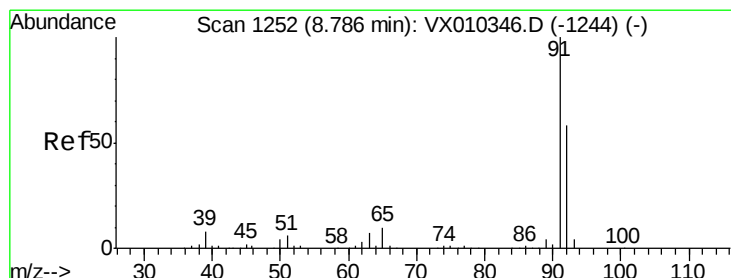
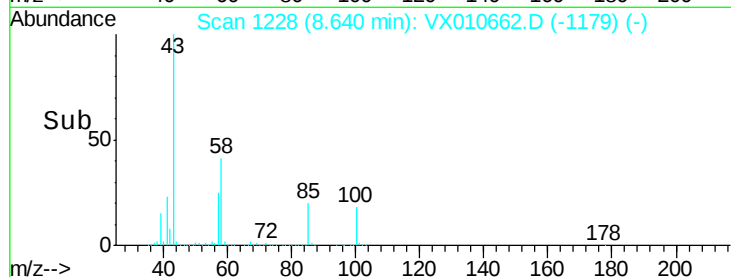
200000

100000

0

8.55 8.60 8.65 8.70

Time-->



#52

Toluene

Concen: 50.866 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX010662.D

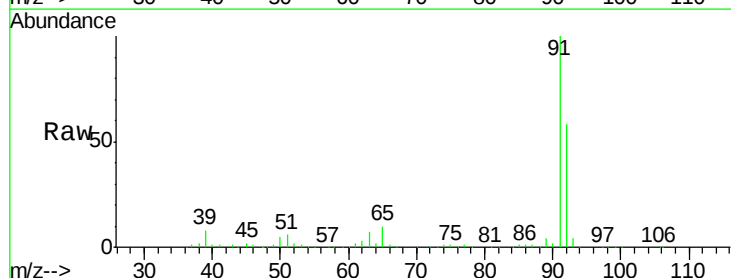
Acq: 04 Jul 2019 02:05

Tgt Ion: 92 Resp: 293019

Ion Ratio Lower Upper

92 100

91 174.7 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

400000

300000

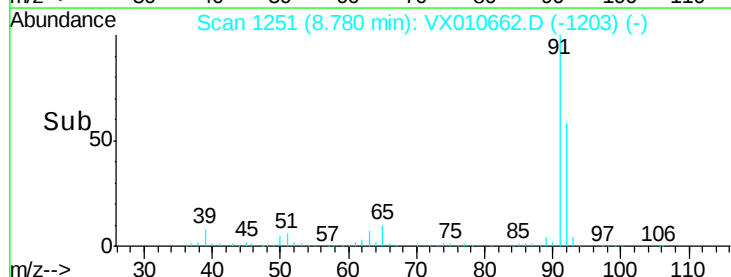
200000

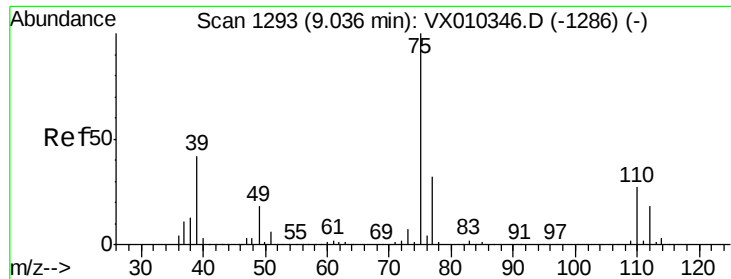
100000

0

8.70 8.75 8.80 8.85

Time-->





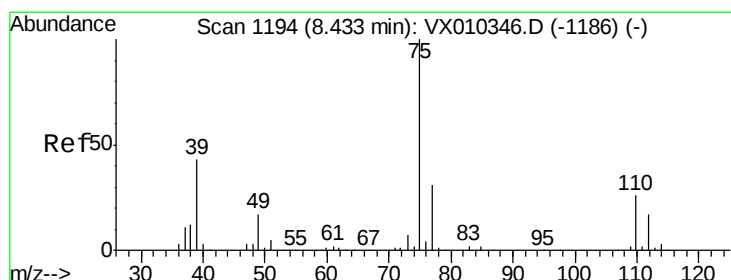
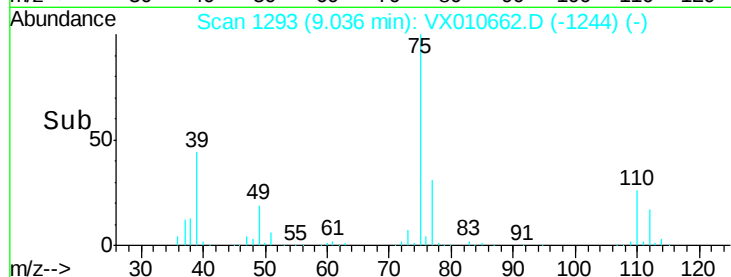
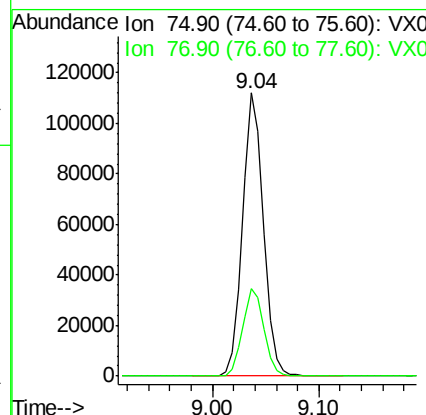
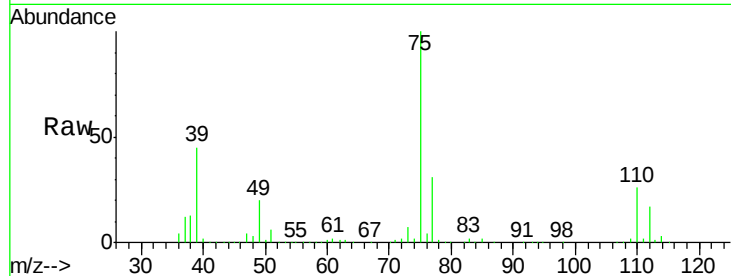
#53
t-1,3-Dichloropropene
Concen: 47.540 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX010662.D
Acq: 04 Jul 2019 02:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 154810
Ion Ratio Lower Upper
75 100
77 30.8 25.4 38.2

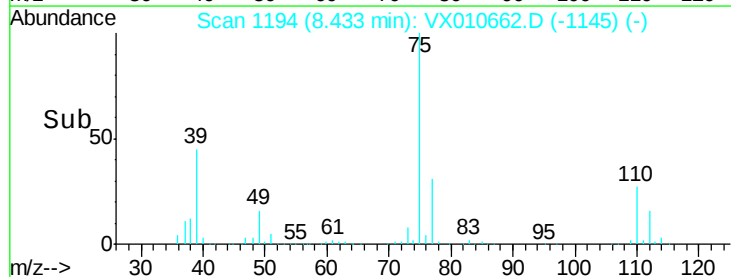
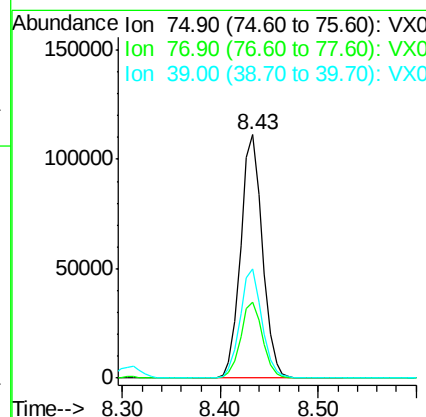
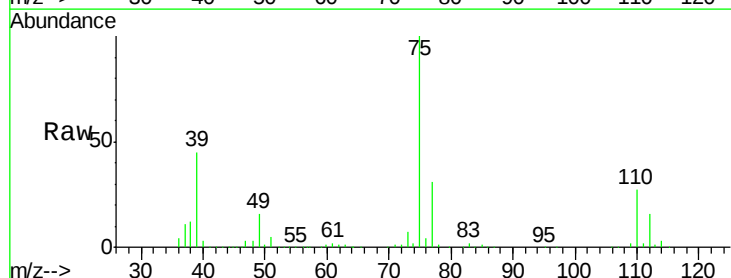
Manual Integrations
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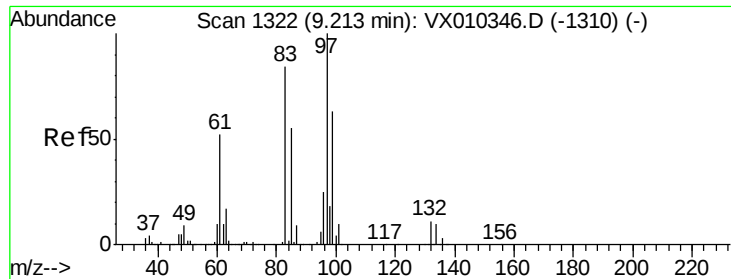
MMDadoda
7/8/2019 10:58:13 AM



#54
cis-1,3-Dichloropropene
Concen: 48.663 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX010662.D
Acq: 04 Jul 2019 02:05

Tgt Ion: 75 Resp: 172207
Ion Ratio Lower Upper
75 100
77 31.3 25.2 37.8
39 44.5 34.5 51.7





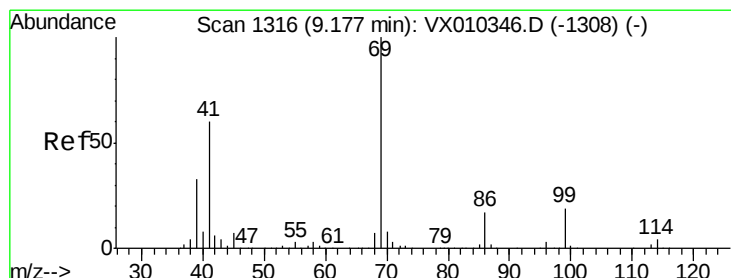
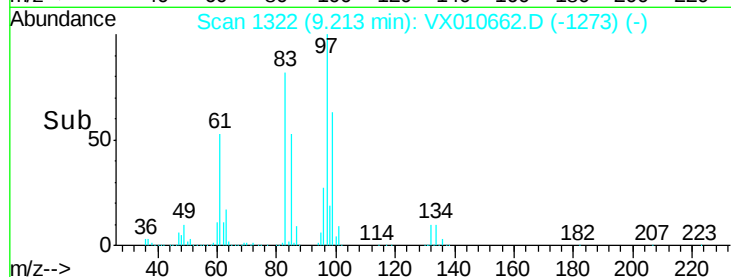
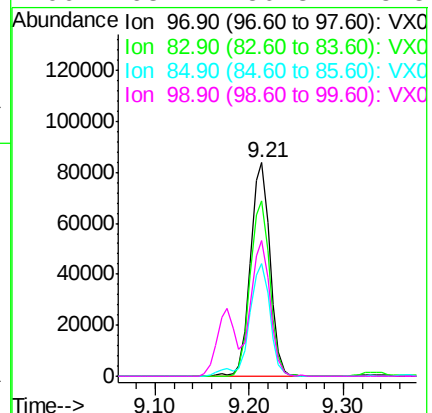
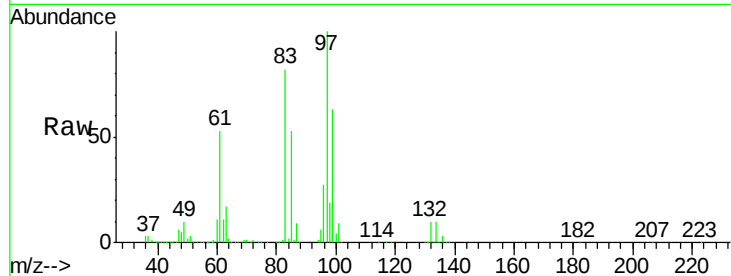
#55
 1,1,2-Trichloroethane
 Concen: 51.107 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX010662.D
 Acq: 04 Jul 2019 02:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	121419
Ion	Ratio	Lower	Upper
97	100		
83	82.3	67.4	101.0
85	53.0	43.8	65.8
99	63.4	50.3	75.5

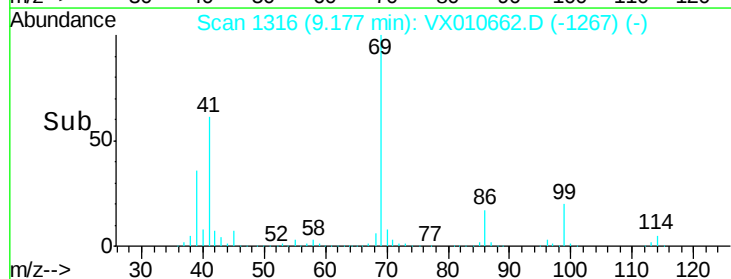
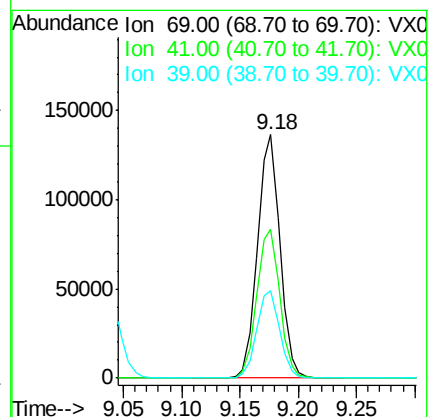
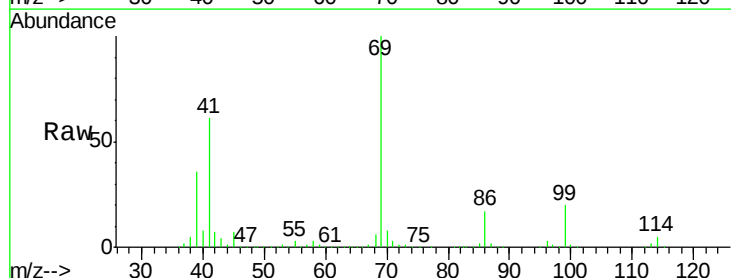
Manual Integrations
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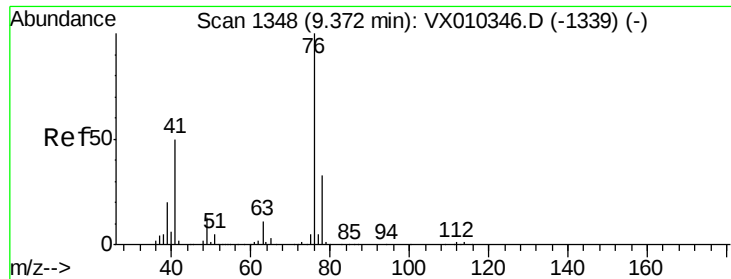
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#56
 Ethyl methacrylate
 Concen: 51.148 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX010662.D
 Acq: 04 Jul 2019 02:05

Tgt Ion:	69	Resp:	184080
Ion	Ratio	Lower	Upper
69	100		
41	62.4	47.1	70.7
39	36.7	26.6	40.0





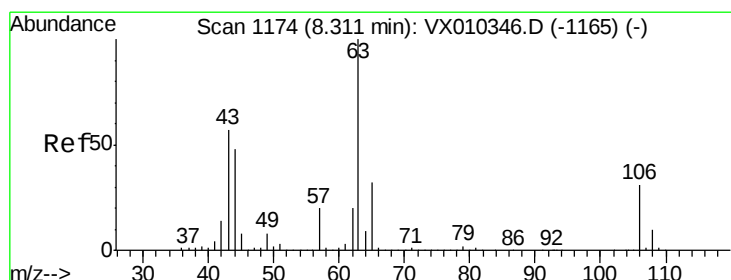
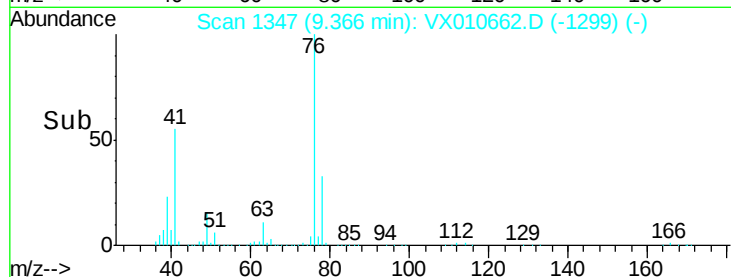
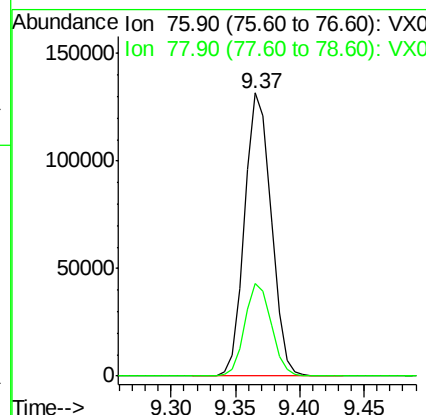
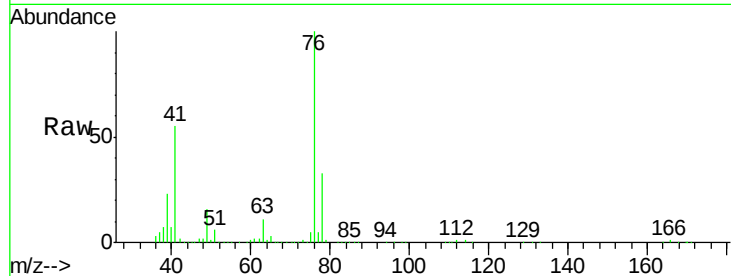
#57
 1,3-Dichloropropane
 Concen: 50.995 ug/l
 RT: 9.37 min Scan# 1347
 Delta R.T. -0.01 min
 Lab File: VX010662.D
 Acq: 04 Jul 2019 02:05

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	26.1	39.1

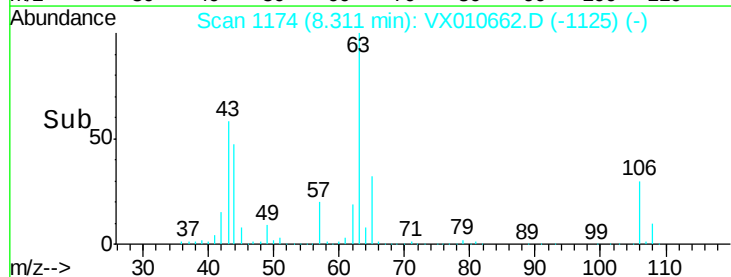
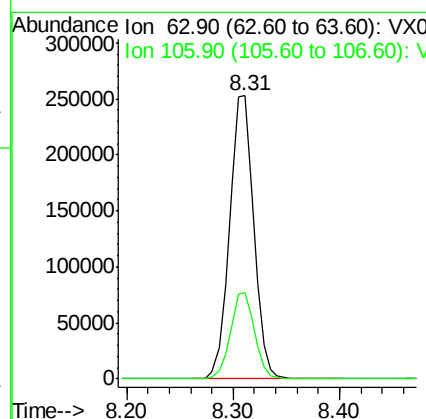
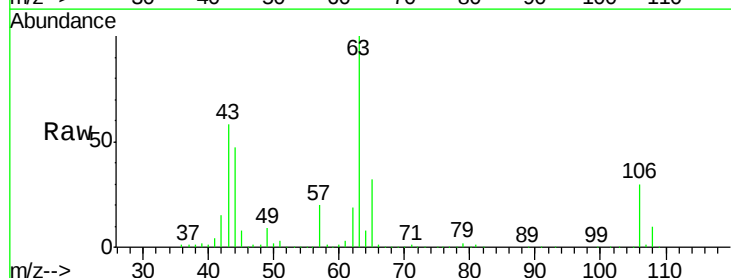
Manual Integrations
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 7/8/2019 10:58:13 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 235.232 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX010662.D
 Acq: 04 Jul 2019 02:05

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.3	24.7	37.1





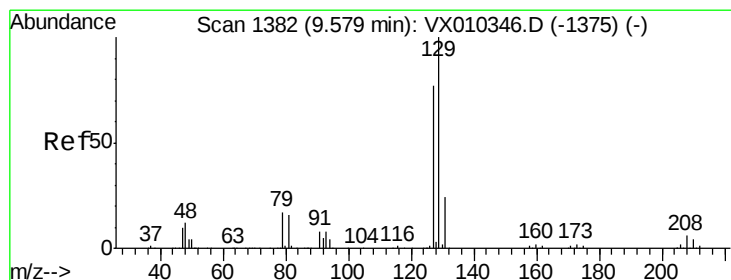
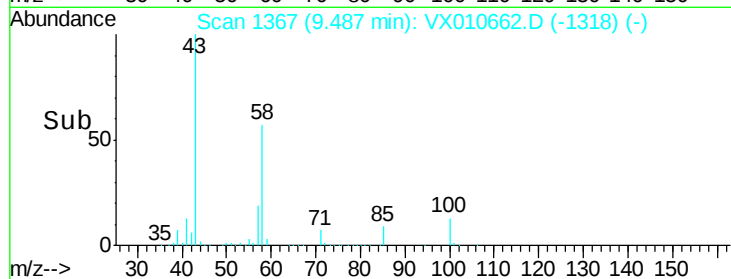
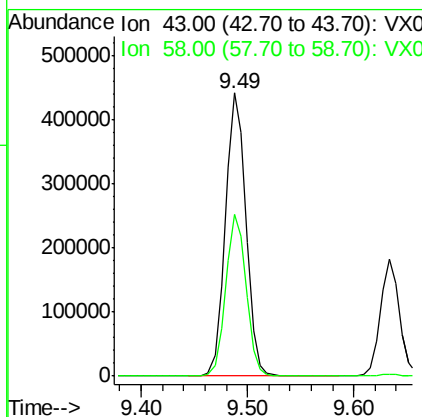
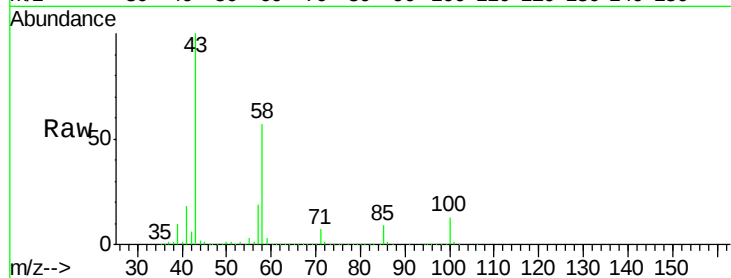
#59
2-Hexanone
Concen: 248.655 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX010662.D
Acq: 04 Jul 2019 02:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 598155
Ion Ratio Lower Upper
43 100
58 56.7 29.0 87.1

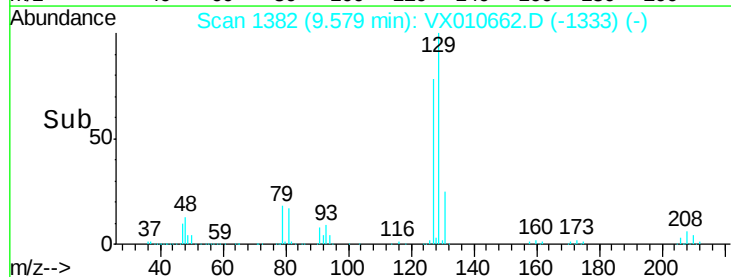
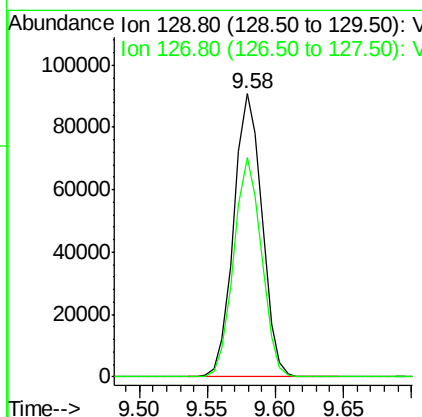
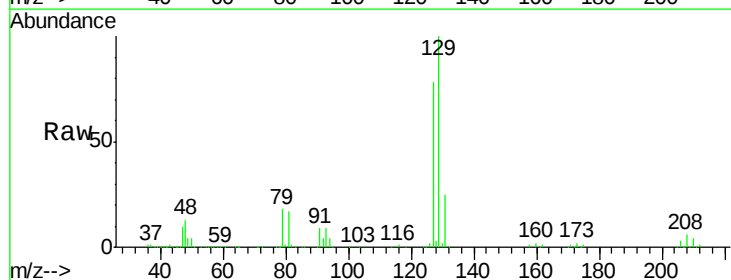
Manual Integrations
APPROVED

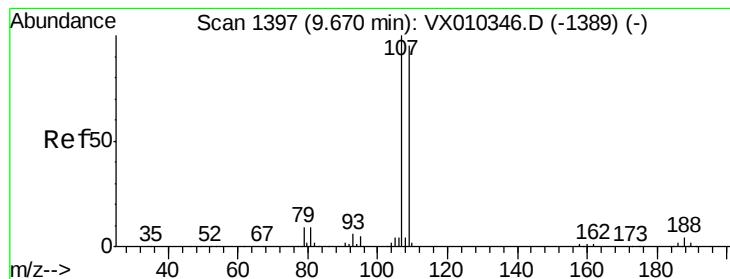
MMDadoda
7/8/2019 10:58:13 AM



#60
Dibromochloromethane
Concen: 49.513 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX010662.D
Acq: 04 Jul 2019 02:05

Tgt Ion: 129 Resp: 131710
Ion Ratio Lower Upper
129 100
127 76.2 38.4 115.1





#61

1,2-Dibromoethane

Concen: 51.139 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX010662.D

Acq: 04 Jul 2019 02:05

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 107 Resp: 131139

Ion Ratio Lower Upper

107 100

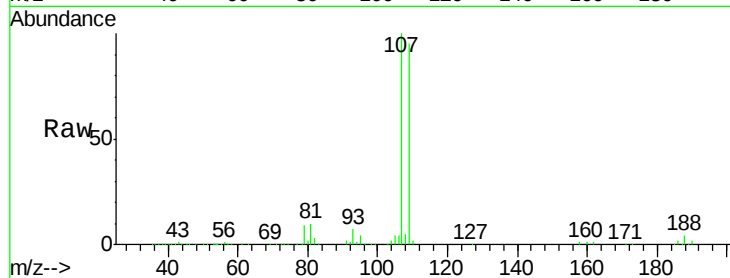
109 94.9 75.8 113.6

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

100000

80000

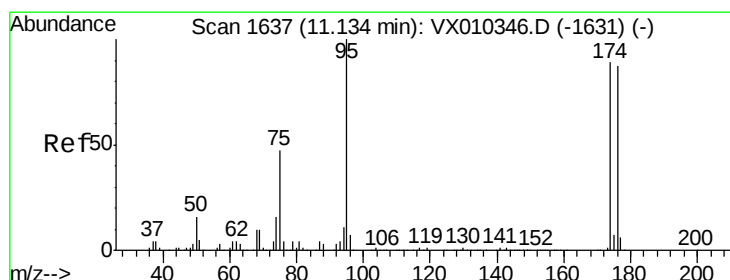
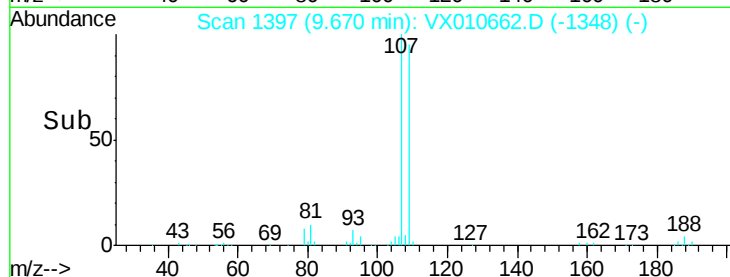
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 49.657 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010662.D

Acq: 04 Jul 2019 02:05

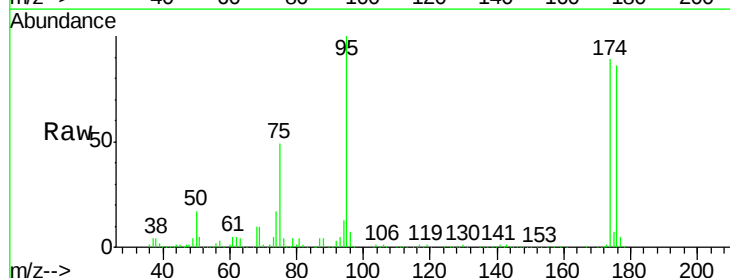
Tgt Ion: 95 Resp: 148275

Ion Ratio Lower Upper

95 100

174 92.0 0.0 187.6

176 89.4 0.0 184.0



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

11.13

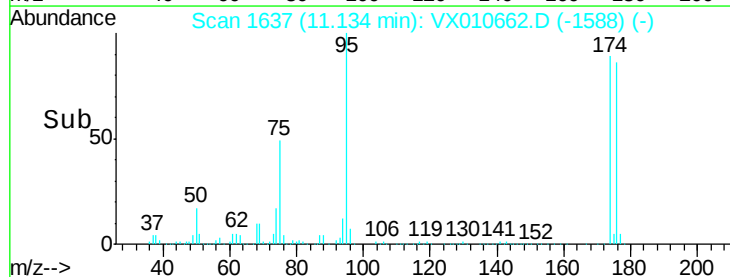
150000

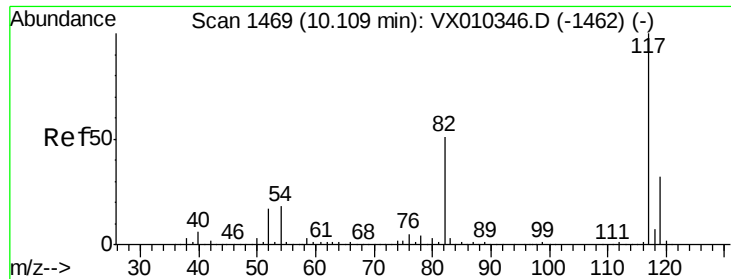
100000

50000

0

Time-->





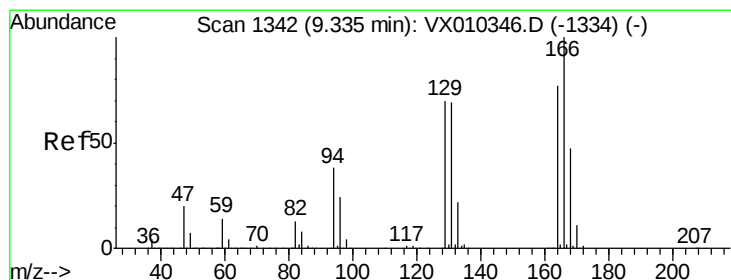
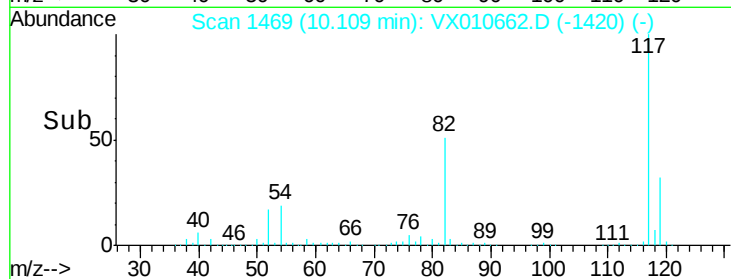
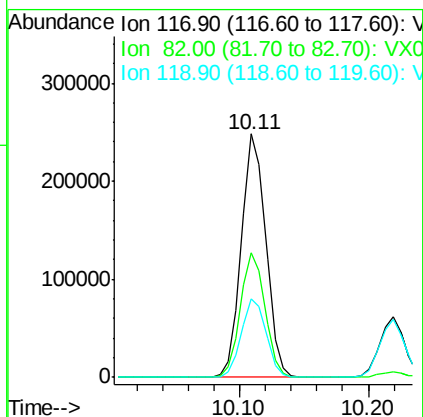
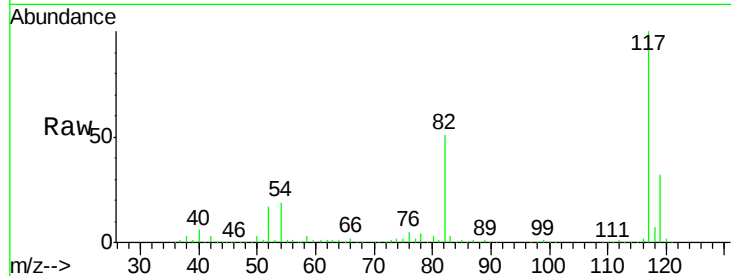
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010662.D
Acq: 04 Jul 2019 02:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.4	41.2	61.8
119	32.1	25.5	38.3

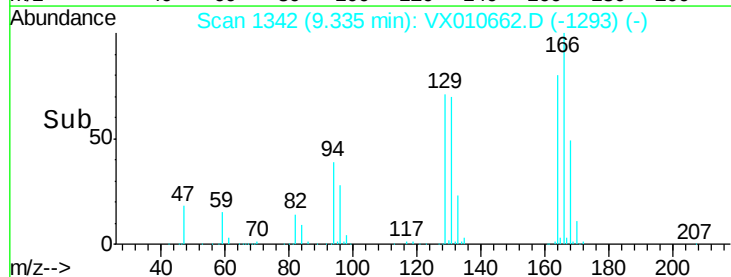
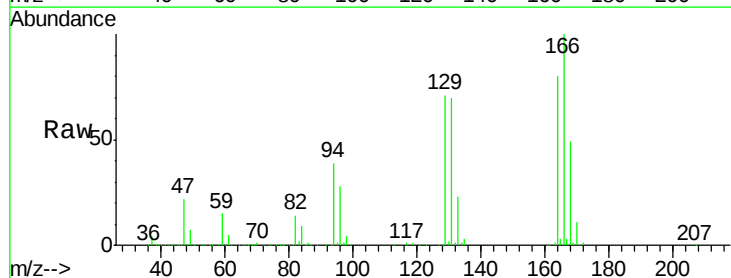
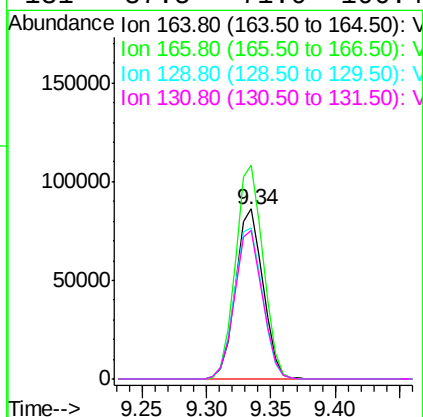
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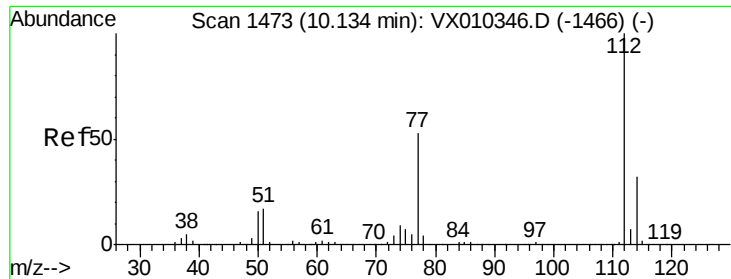
MMDadoda
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#64
Tetrachloroethene
Concen: 48.169 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX010662.D
Acq: 04 Jul 2019 02:05

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.5	103.6	155.4
129	89.0	73.0	109.4
131	87.5	71.0	106.4





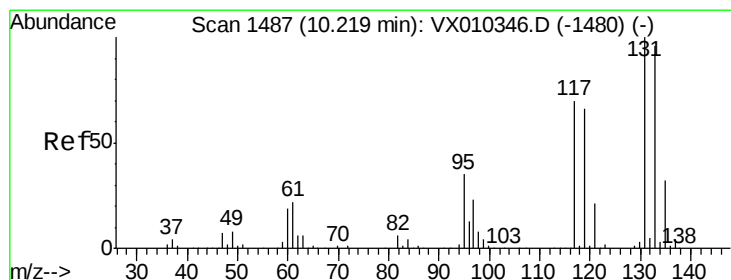
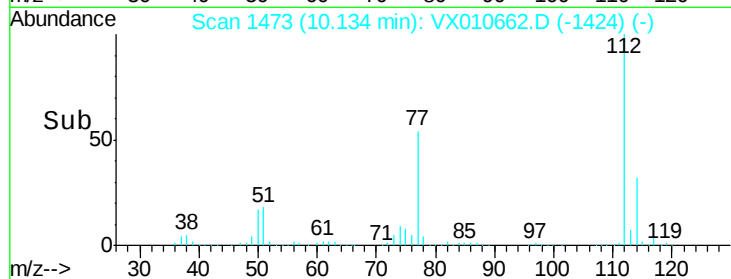
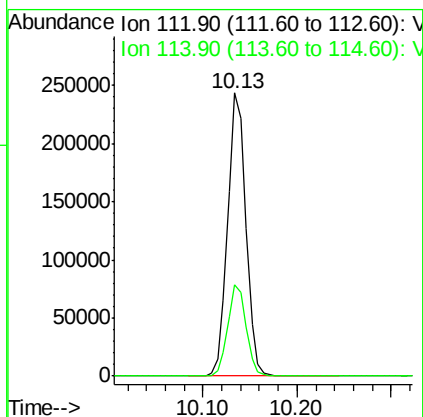
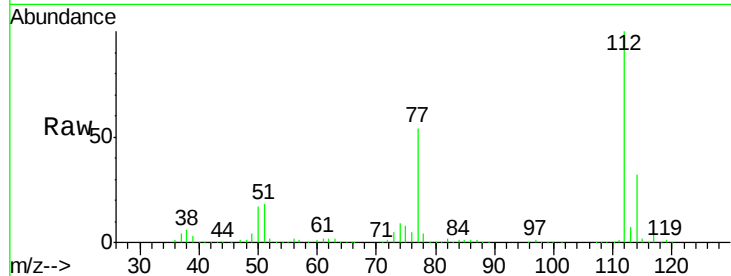
#65
Chlorobenzene
Concen: 49.451 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX010662.D
Acq: 04 Jul 2019 02:05

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion:112 Resp: 327901
Ion Ratio Lower Upper
112 100
114 32.2 25.4 38.2

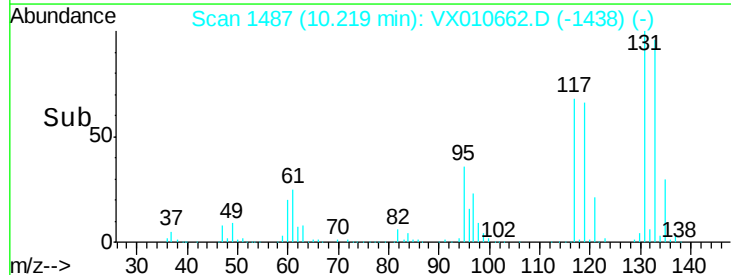
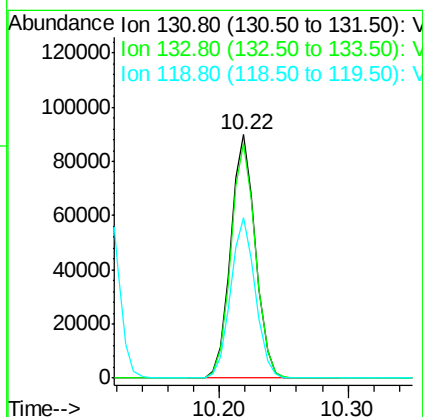
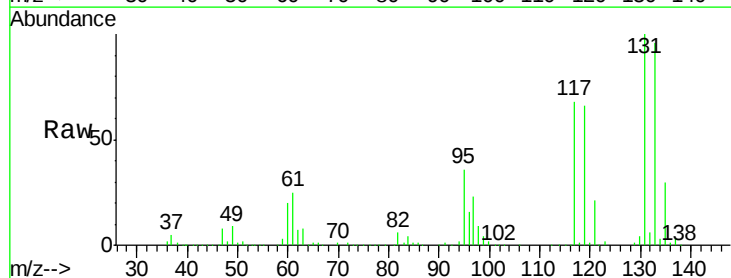
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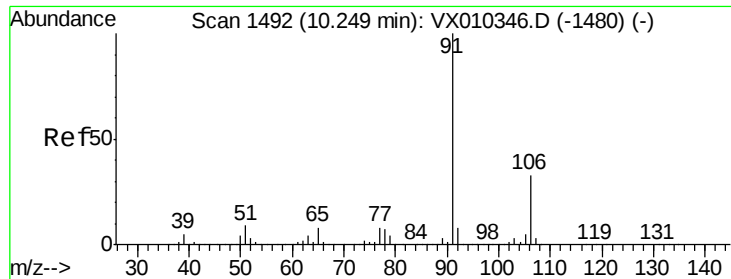
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.691 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX010662.D
Acq: 04 Jul 2019 02:05

Tgt Ion:131 Resp: 120018
Ion Ratio Lower Upper
131 100
133 96.5 47.7 143.1
119 66.0 32.6 97.7





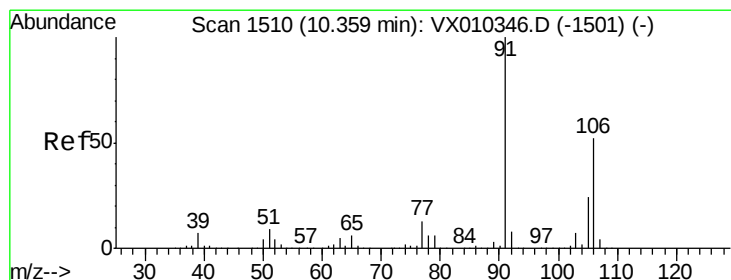
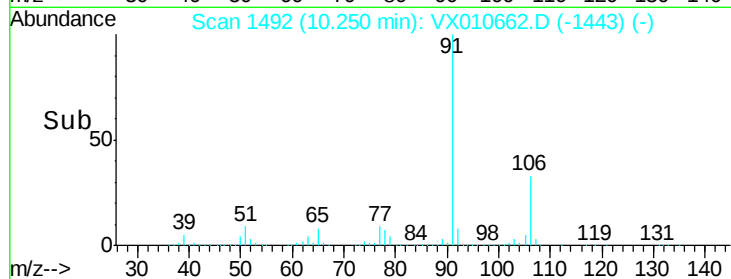
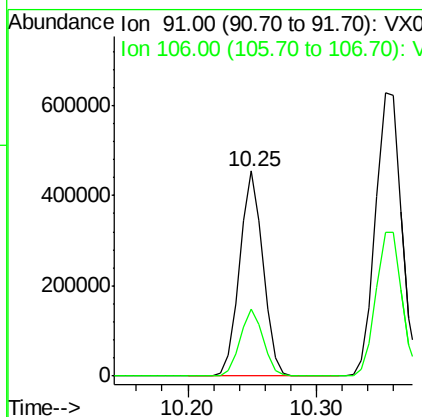
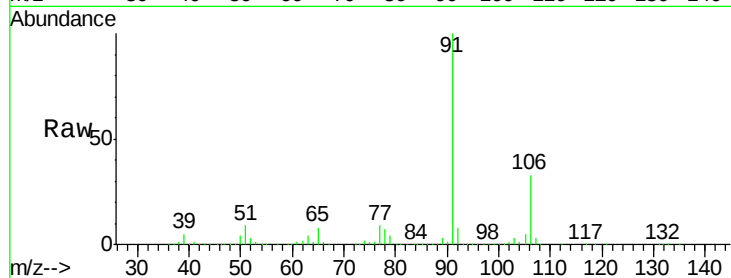
#67
Ethyl Benzene
Concen: 50.897 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX010662.D
Acq: 04 Jul 2019 02:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 569749
Ion Ratio Lower Upper
91 100
106 32.8 26.2 39.2

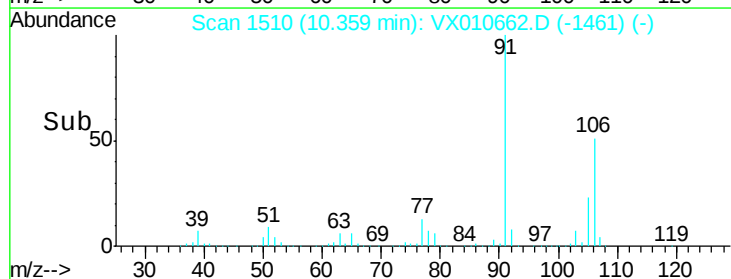
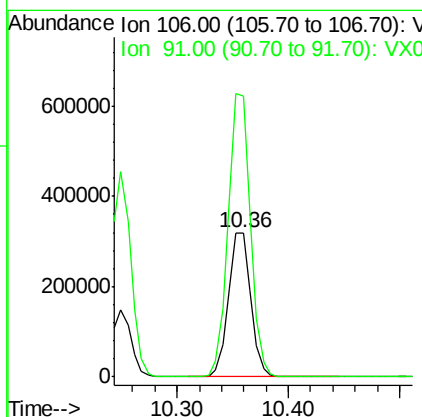
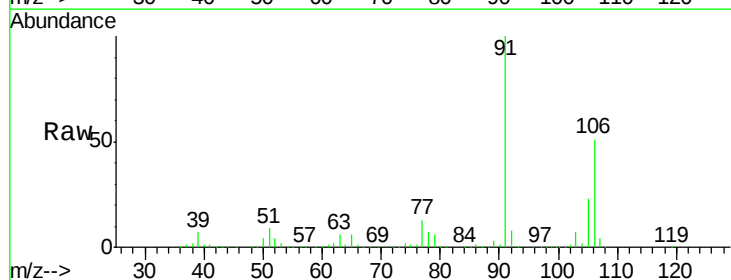
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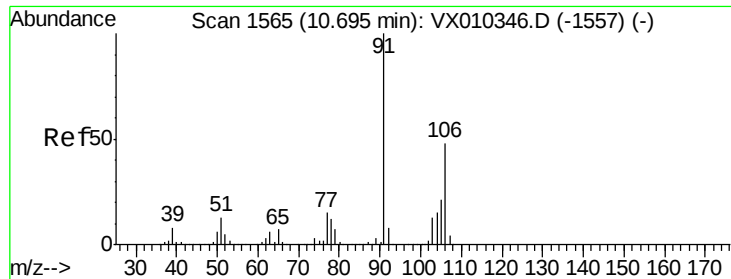
MMDadoda
7/8/2019 10:58:13 AM



#68
m/p-Xylenes
Concen: 102.085 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX010662.D
Acq: 04 Jul 2019 02:05

Tgt Ion: 106 Resp: 442794
Ion Ratio Lower Upper
106 100
91 196.4 155.3 232.9





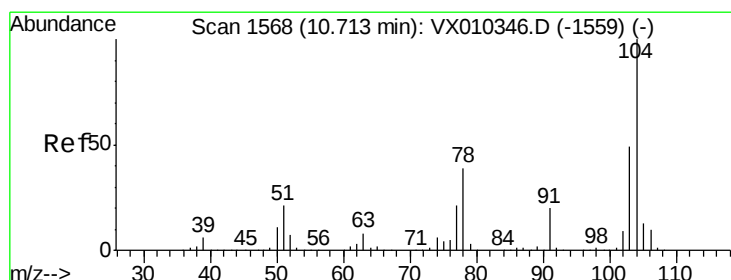
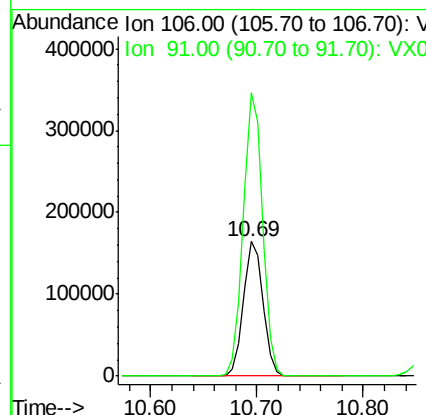
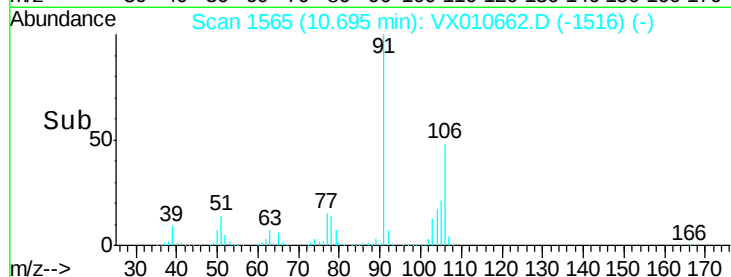
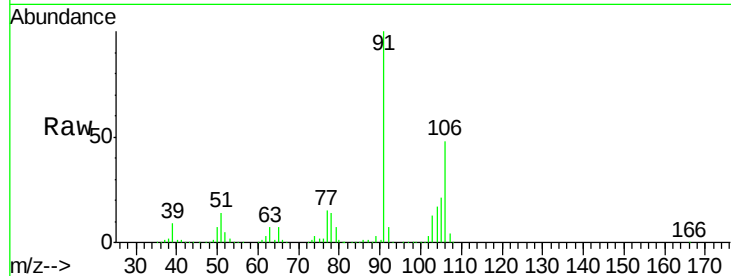
#69
o-Xylene
Concen: 50.027 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010662.D
Acq: 04 Jul 2019 02:05

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	208.2	102.7	308.1		

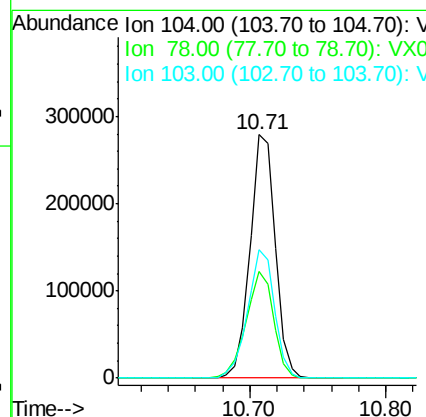
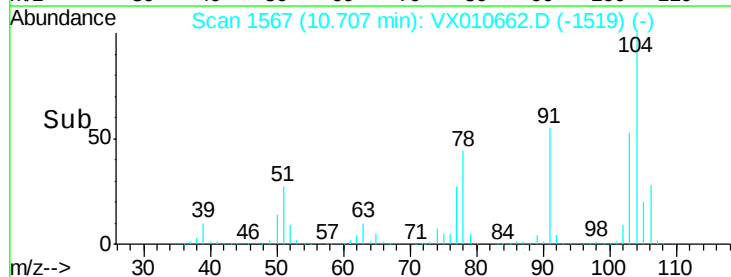
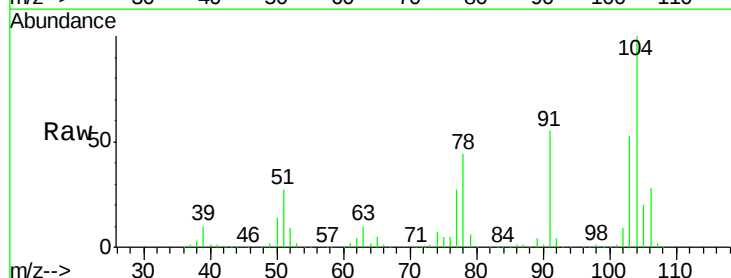
Manual Integrations
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#70
Styrene
Concen: 51.008 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX010662.D
Acq: 04 Jul 2019 02:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	47.4	36.2	54.2		
103	55.8	44.2	66.4		





#71

Bromoform

Concen: 46.936 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX010662.D

Acq: 04 Jul 2019 02:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 98584

Ion Ratio Lower Upper

173 100

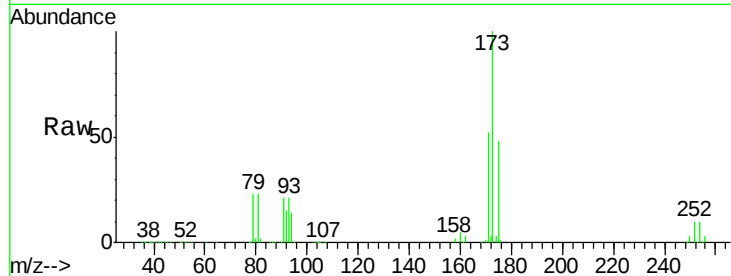
175 49.2 24.1 72.3

254 0.1 0.2 0.2#

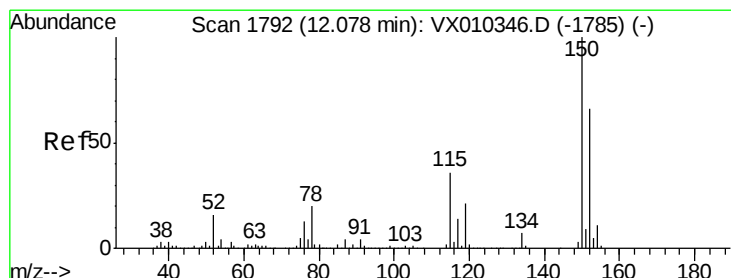
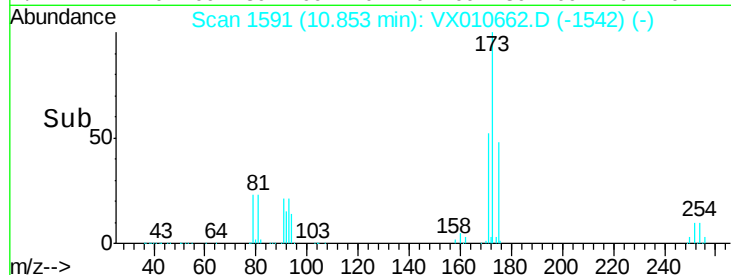
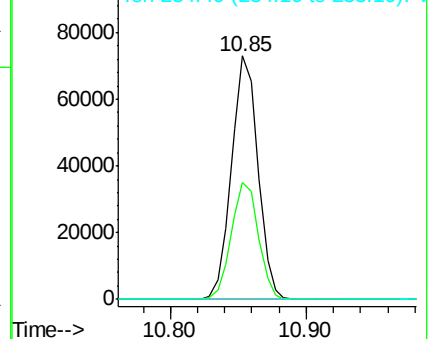
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010662.D

Acq: 04 Jul 2019 02:05

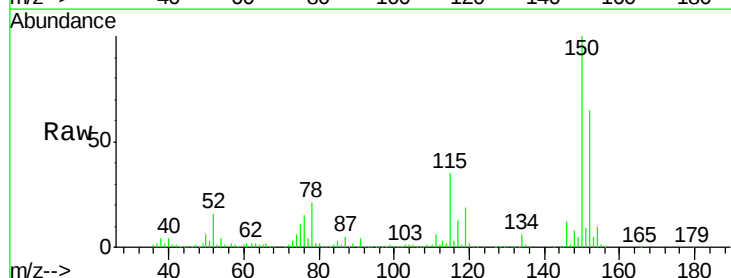
Tgt Ion:152 Resp: 174533

Ion Ratio Lower Upper

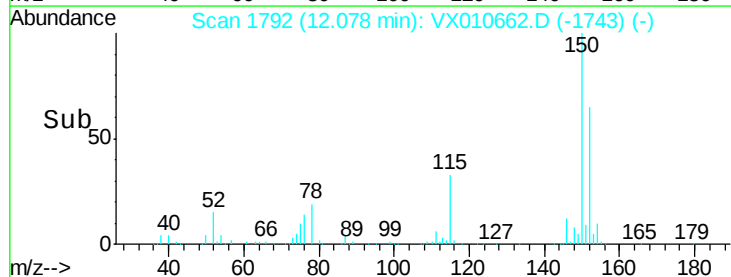
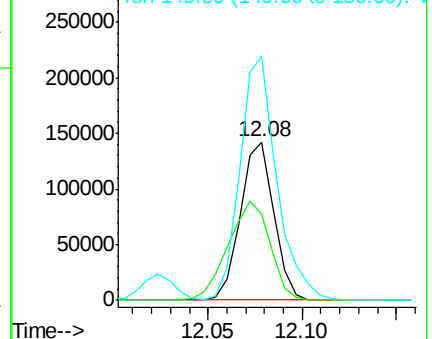
152 100

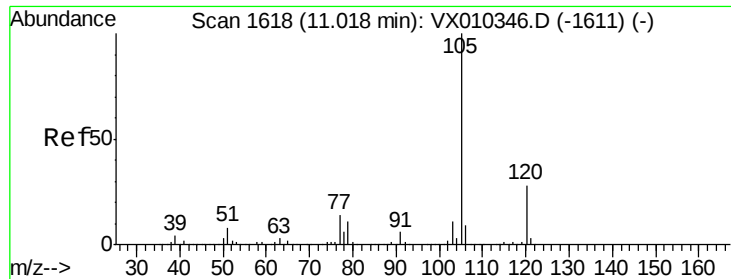
115 78.1 38.6 115.7

150 169.5 0.0 347.4



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: 48.717 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010662.D

Acq: 04 Jul 2019 02:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 576376

Ion Ratio Lower Upper

105 100

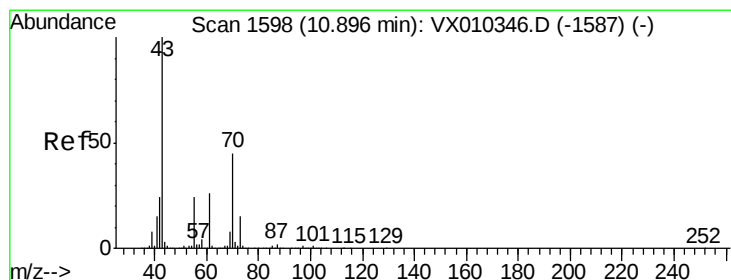
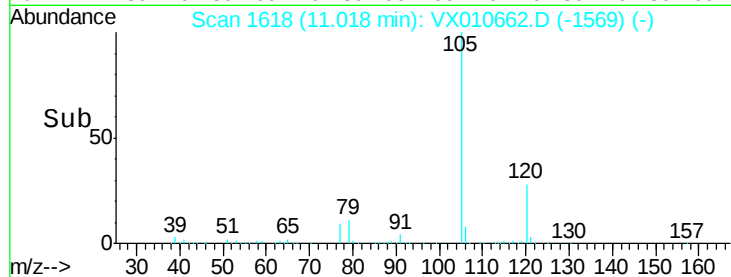
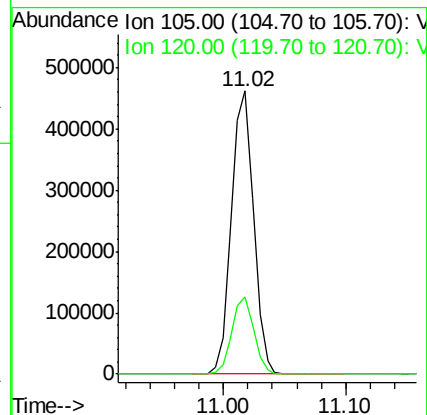
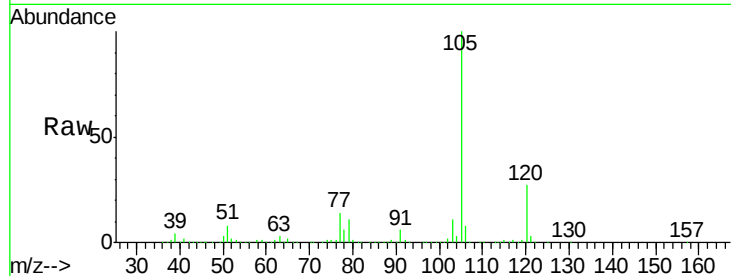
120 27.0 14.1 42.4

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#74

N-ethyl acetate

Concen: 49.907 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX010662.D

Acq: 04 Jul 2019 02:05

Tgt Ion: 43 Resp: 223148

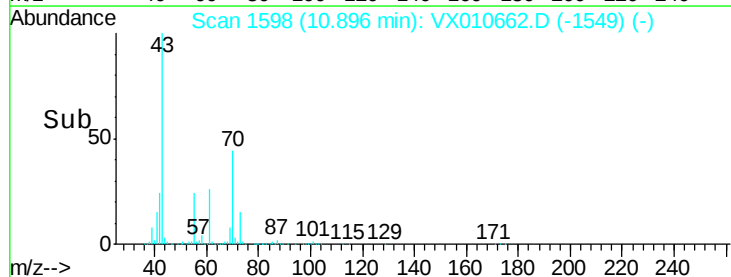
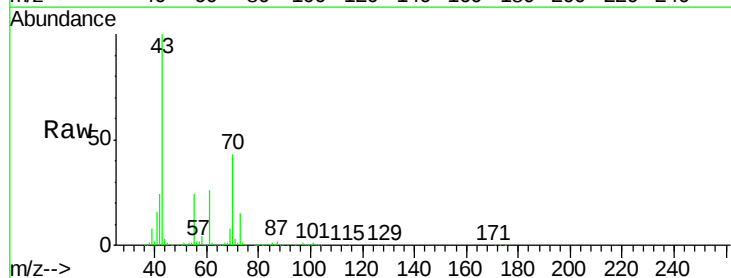
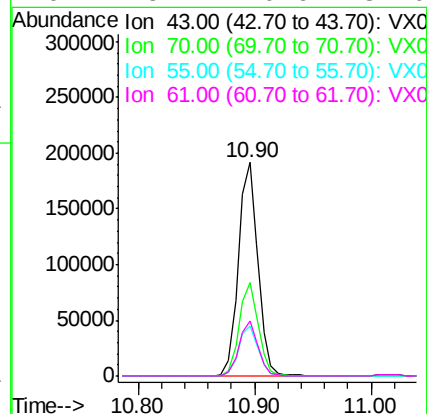
Ion Ratio Lower Upper

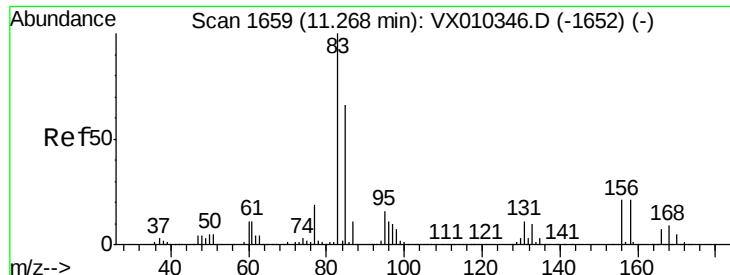
43 100

70 43.4 36.6 54.8

55 24.0 18.7 28.1

61 25.2 20.6 31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 46.495 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX010662.D

Acq: 04 Jul 2019 02:05

Instrument :

MSVOA_X

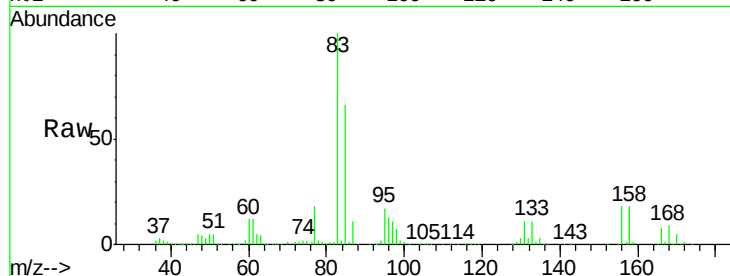
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	182176
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.5	16.4
85	65.0	32.3	96.8

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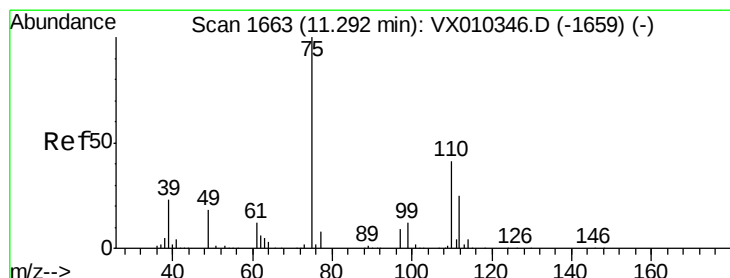
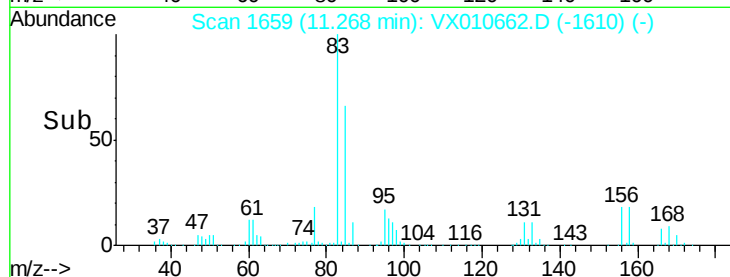
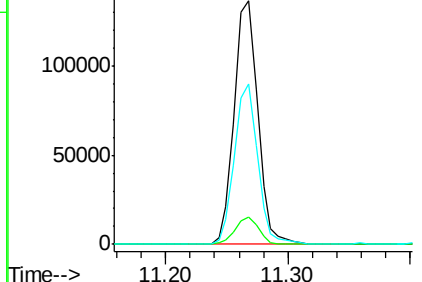
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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 47.079 ug/l m

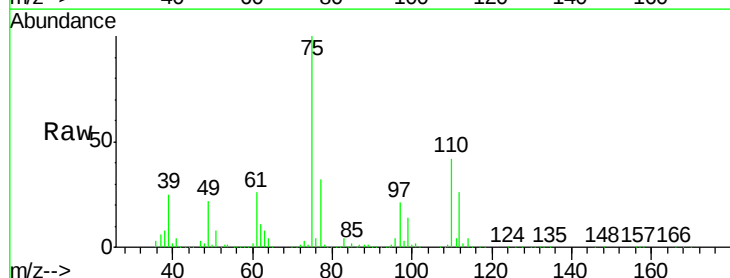
RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX010662.D

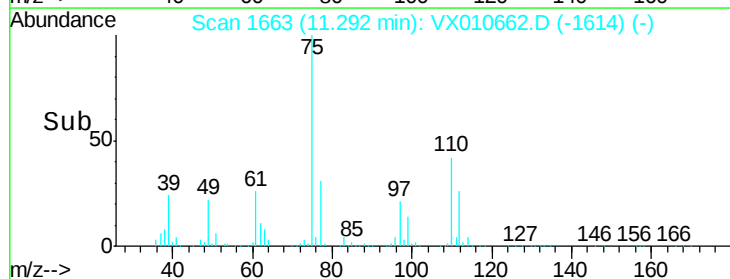
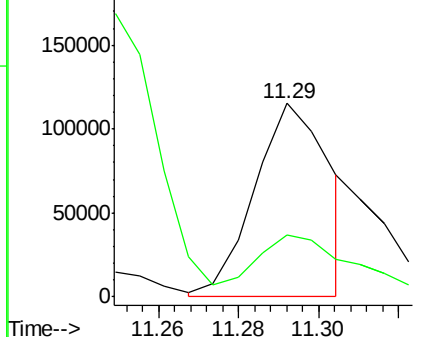
Acq: 04 Jul 2019 02:05

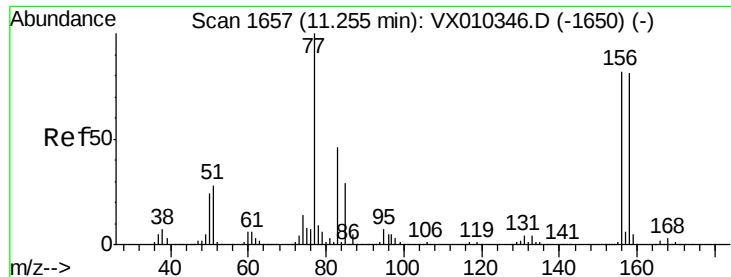
Tgt Ion:	75	Resp:	149733
Ion Ratio	Lower	Upper	
75	100		
77	42.6	22.6	67.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 47.072 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX010662.D

Acq: 04 Jul 2019 02:05

Instrument :

MSVOA_X

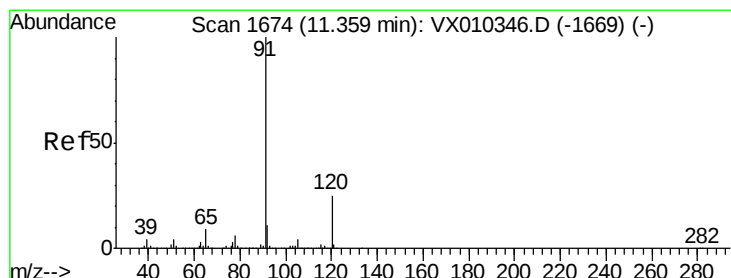
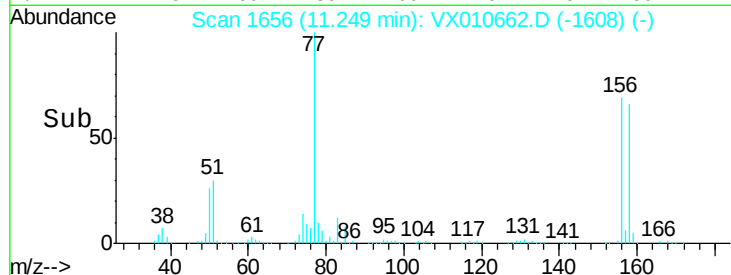
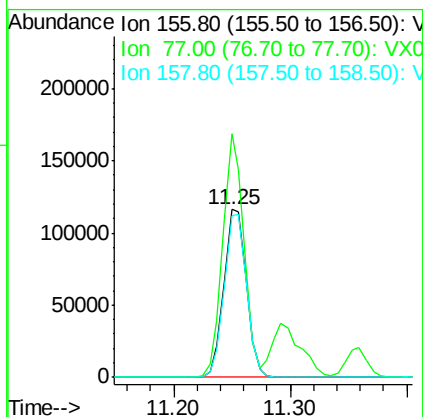
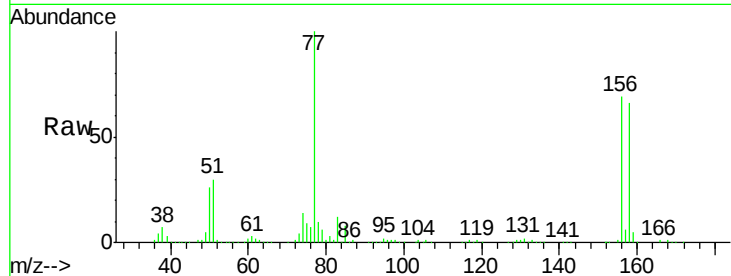
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	155506
Ion	Ratio	Lower	Upper
156	100		
77	135.9	66.3	198.7
158	96.7	48.9	146.7

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#78

n-propylbenzene

Concen: 50.117 ug/l

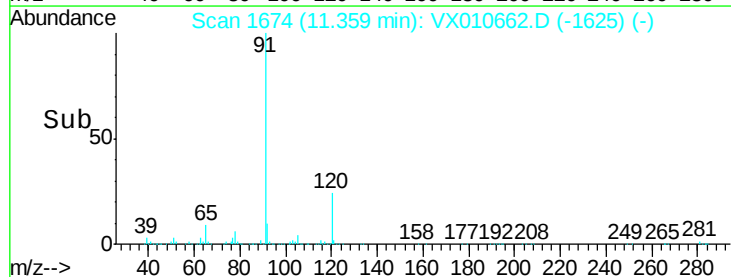
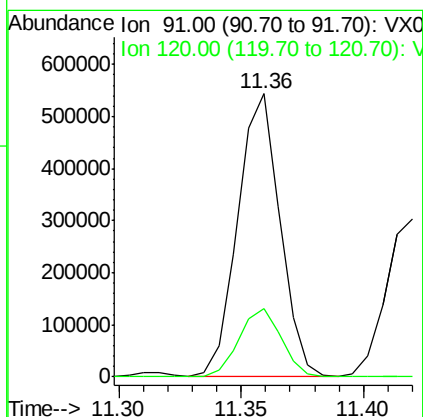
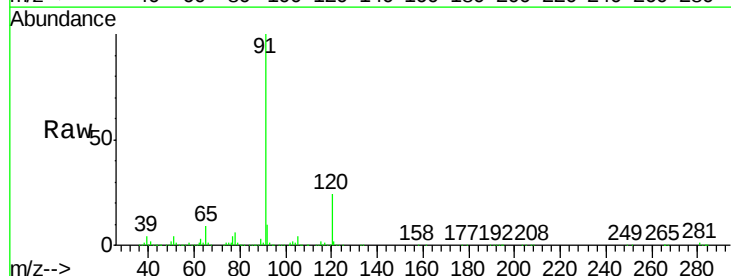
RT: 11.36 min Scan# 1674

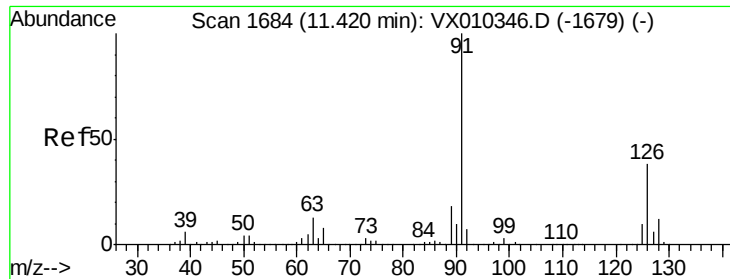
Delta R.T. 0.00 min

Lab File: VX010662.D

Acq: 04 Jul 2019 02:05

Tgt Ion:	91	Resp:	651675
Ion	Ratio	Lower	Upper
91	100		
120	24.4	12.4	37.4





#79

2-Chlorotoluene

Concen: 48.661 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX010662.D

Acq: 04 Jul 2019 02:05

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 376777

Ion Ratio Lower Upper

91 100

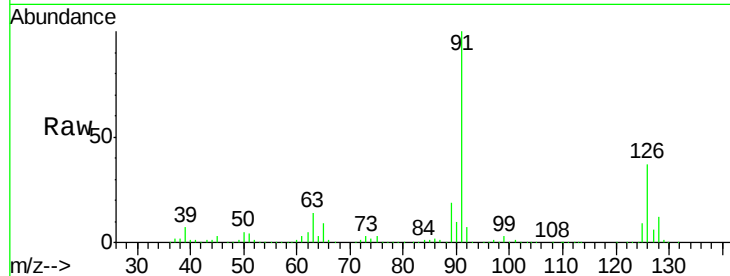
126 36.7 18.7 56.1

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Abundance Ion 91.00 (90.70 to 91.70): VX010346.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX010346.D (-1679) (-)

600000

500000

400000

300000

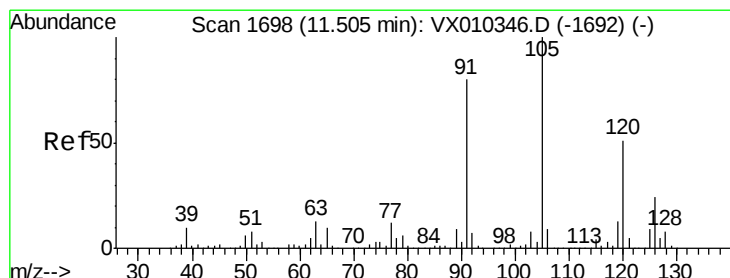
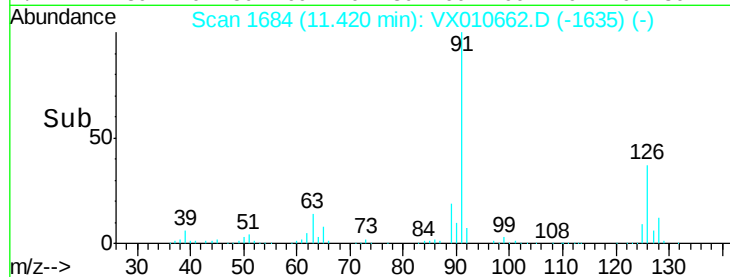
200000

100000

0

11.40 11.42 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 49.354 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010662.D

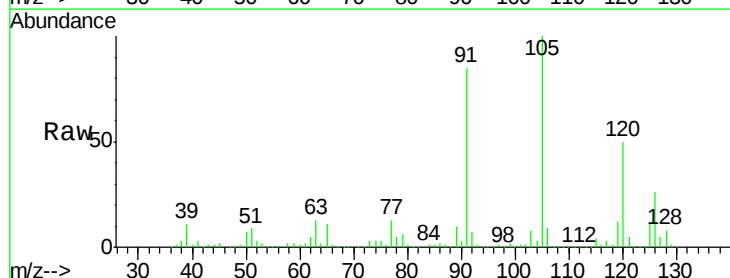
Acq: 04 Jul 2019 02:05

Tgt Ion: 105 Resp: 481370

Ion Ratio Lower Upper

105 100

120 49.9 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): VX010346.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX010346.D (-1692) (-)

400000

300000

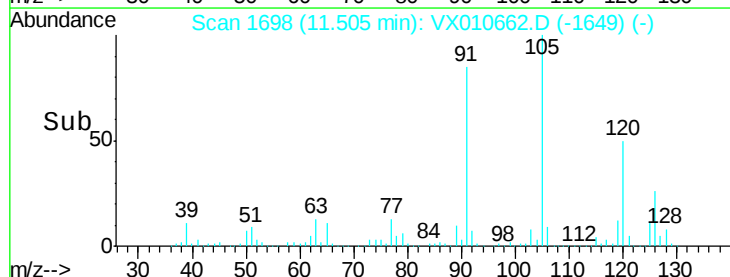
200000

100000

0

11.50 11.51 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 37.496 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX010662.D

Acq: 04 Jul 2019 02:05

Instrument :

MSVOA_X

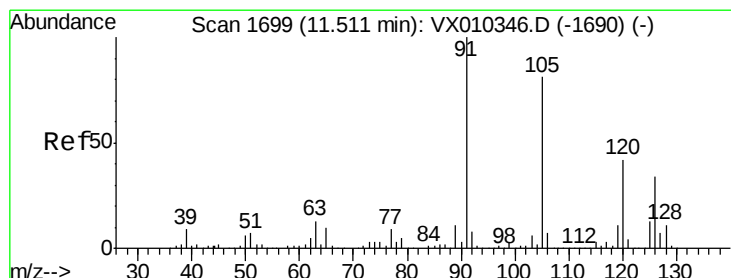
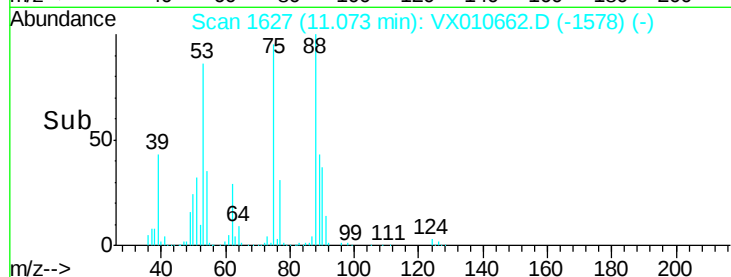
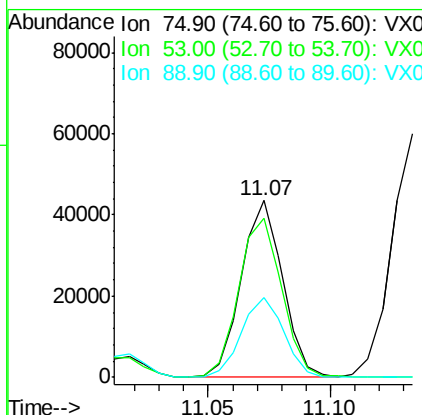
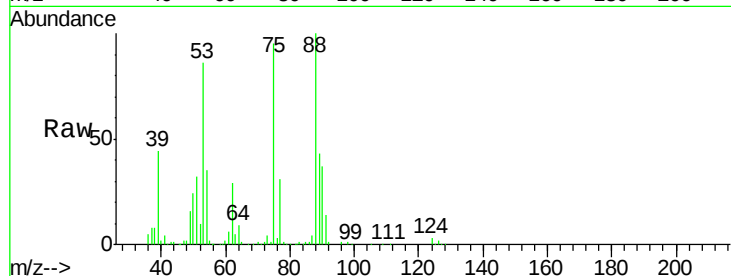
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	51118
Ion	Ratio	Lower	Upper
75	100		
53	94.0	66.1	99.1
89	46.8	37.8	56.6

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#82

4-Chlorotoluene

Concen: 50.010 ug/l

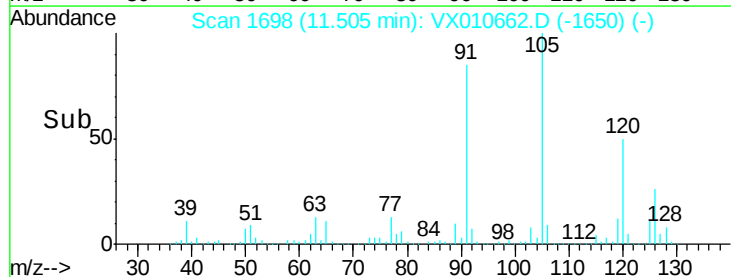
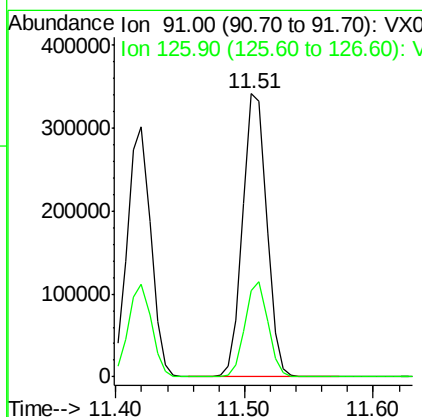
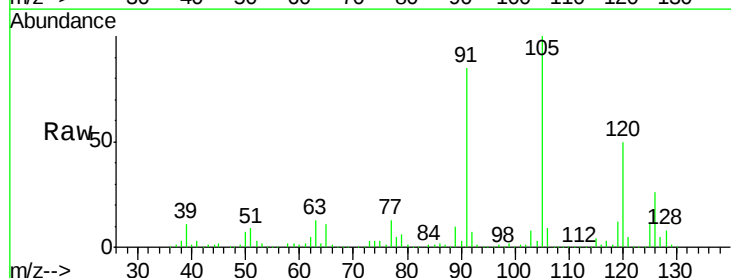
RT: 11.51 min Scan# 1698

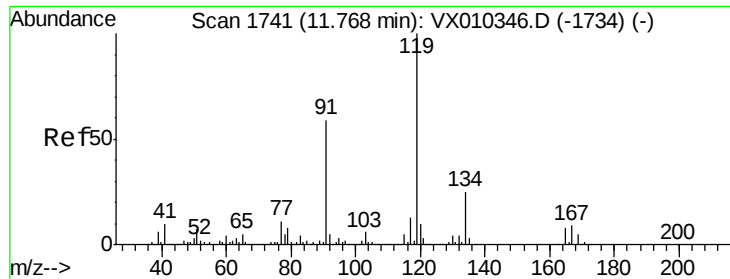
Delta R.T. -0.01 min

Lab File: VX010662.D

Acq: 04 Jul 2019 02:05

Tgt Ion:	91	Resp:	440624
Ion	Ratio	Lower	Upper
91	100		
126	32.1	16.2	48.6





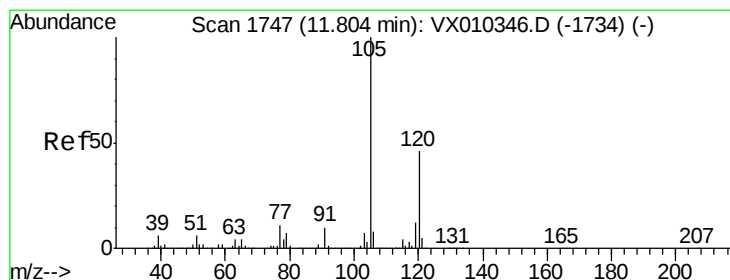
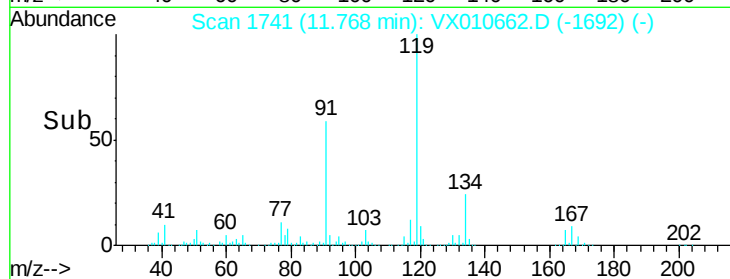
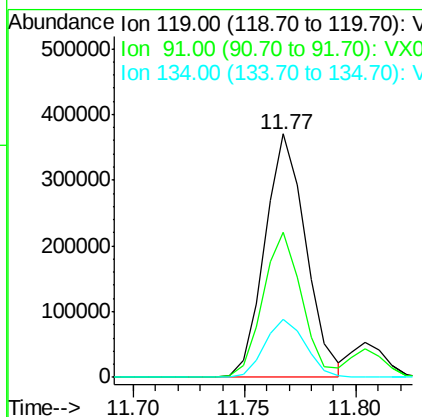
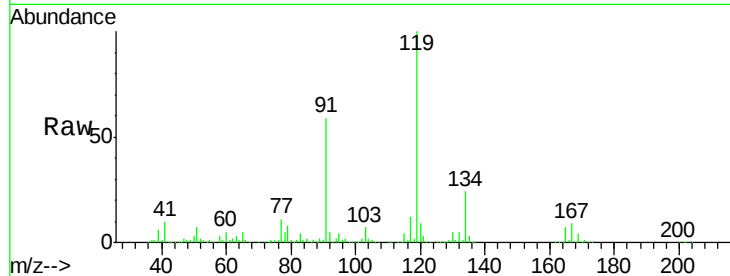
#83
 tert-Butylbenzene
 Concen: 48.397 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX010662.D
 Acq: 04 Jul 2019 02:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	56.8	27.6	82.7
134	23.9	11.8	35.4

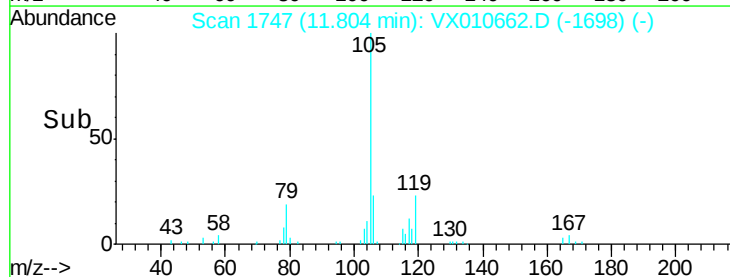
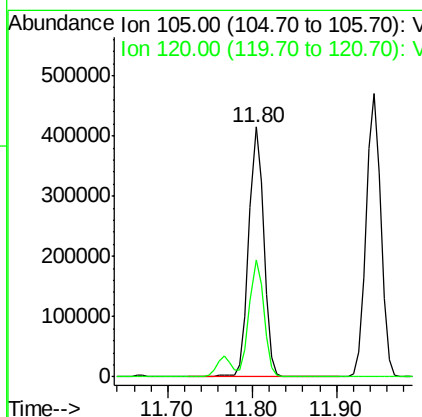
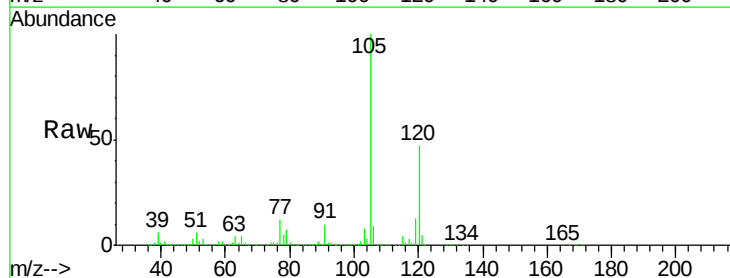
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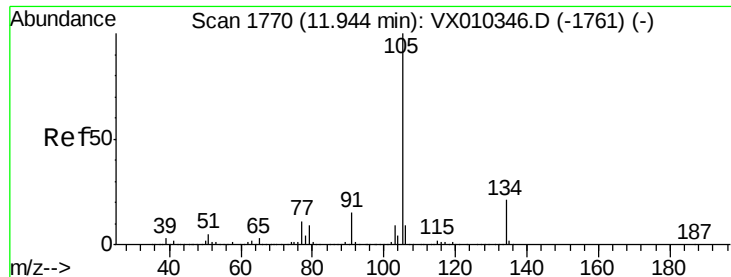
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#84
 1,2,4-Trimethylbenzene
 Concen: 49.629 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX010662.D
 Acq: 04 Jul 2019 02:05

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.6	23.1	69.2





#85

sec-Butylbenzene

Concen: 49.722 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010662.D

Acq: 04 Jul 2019 02:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 571506

Ion Ratio Lower Upper

105 100

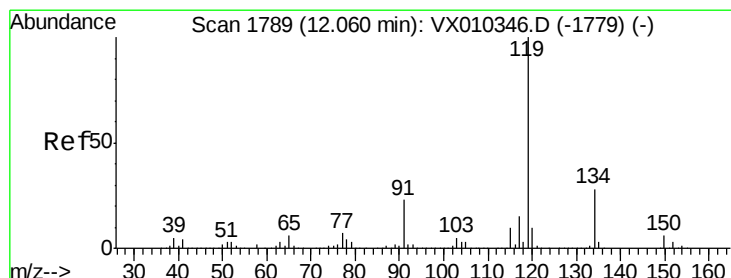
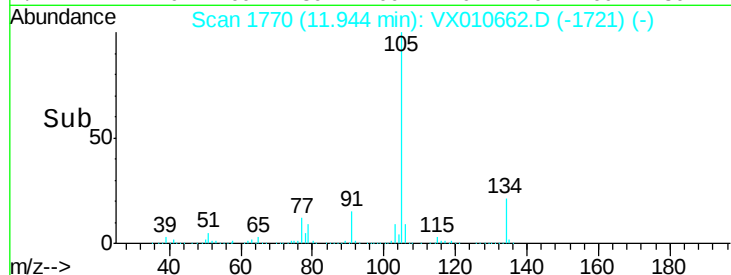
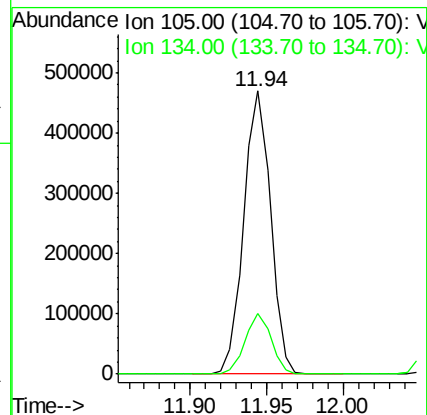
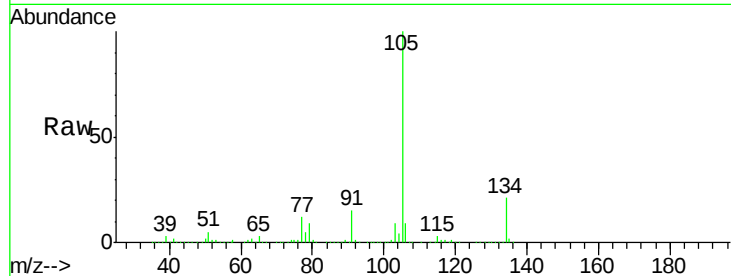
134 21.1 10.7 31.9

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#86

p-Isopropyltoluene

Concen: 49.095 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX010662.D

Acq: 04 Jul 2019 02:05

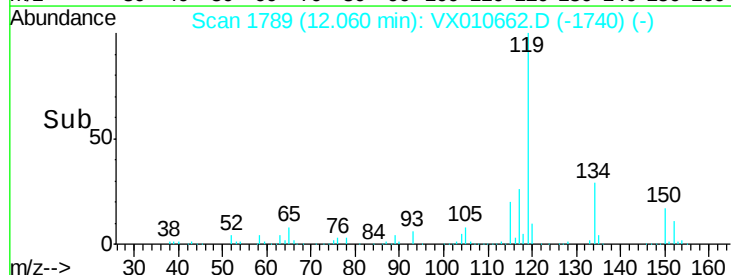
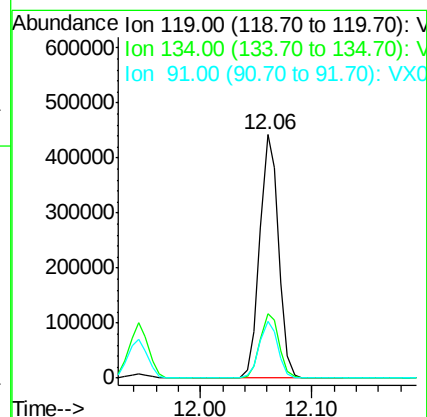
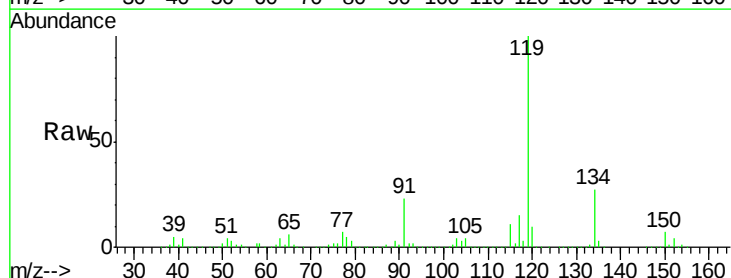
Tgt Ion:119 Resp: 521961

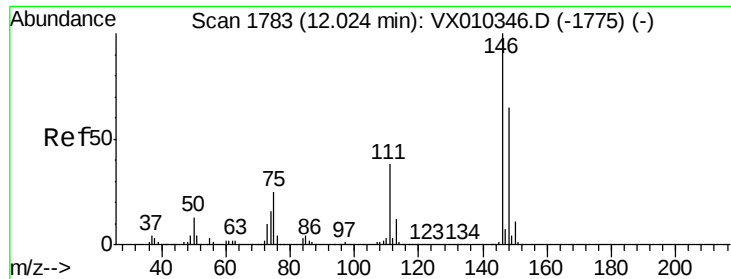
Ion Ratio Lower Upper

119 100

134 27.2 13.7 41.1

91 23.2 11.3 33.8





#87

1,3-Dichlorobenzene

Concen: 47.591 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX010662.D

Acq: 04 Jul 2019 02:05

Instrument :

MSVOA_X

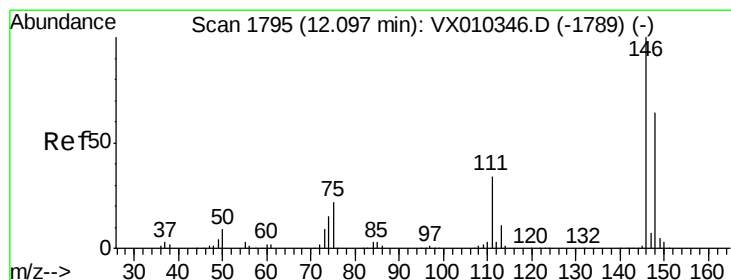
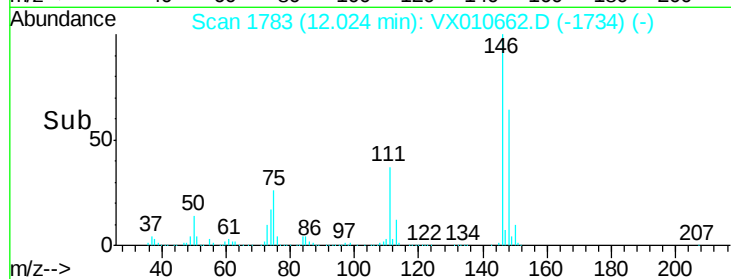
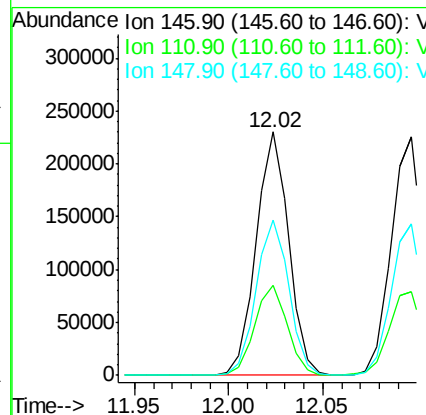
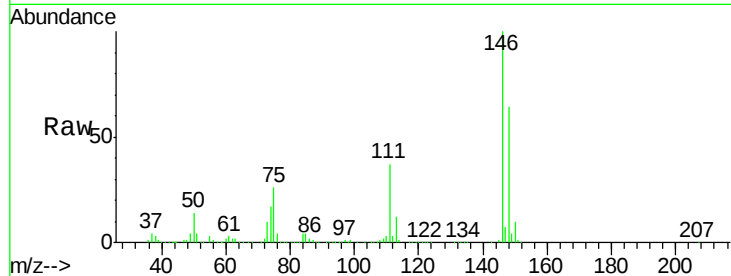
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	274443
Ion Ratio	Lower	Upper	
146	100		
111	37.6	19.1	57.1
148	64.5	32.5	97.4

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#88

1,4-Dichlorobenzene

Concen: 46.757 ug/l

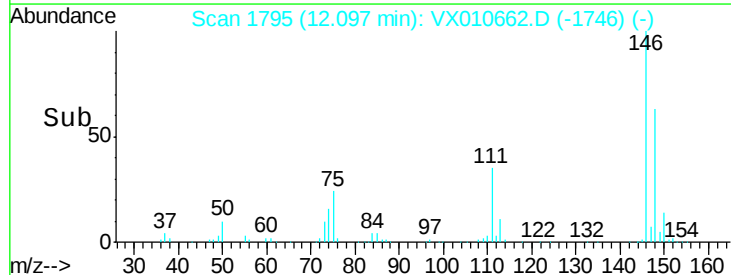
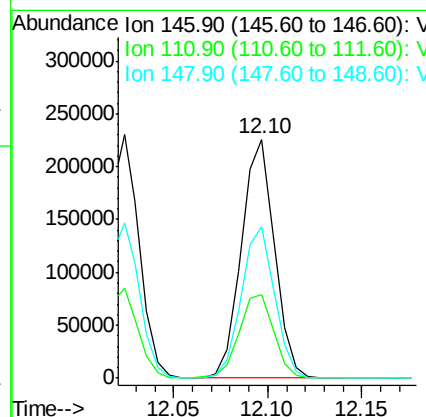
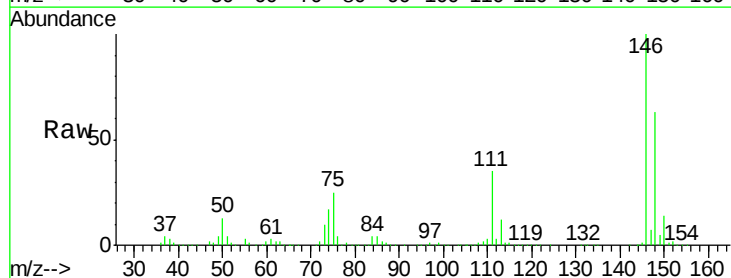
RT: 12.10 min Scan# 1795

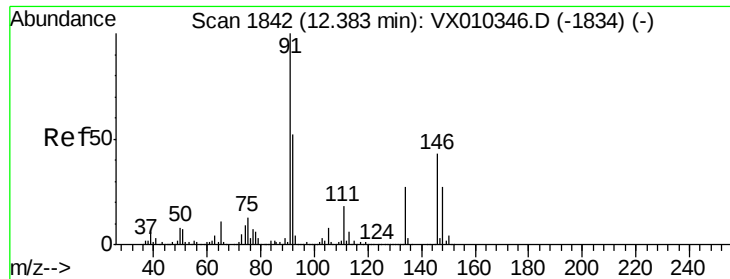
Delta R.T. 0.00 min

Lab File: VX010662.D

Acq: 04 Jul 2019 02:05

Tgt Ion:	146	Resp:	274501
Ion Ratio	Lower	Upper	
146	100		
111	36.8	18.1	54.3
148	64.3	32.1	96.3





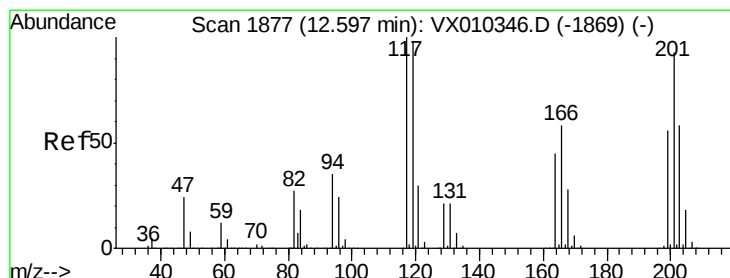
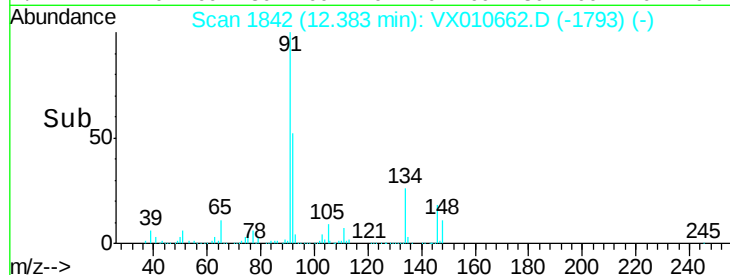
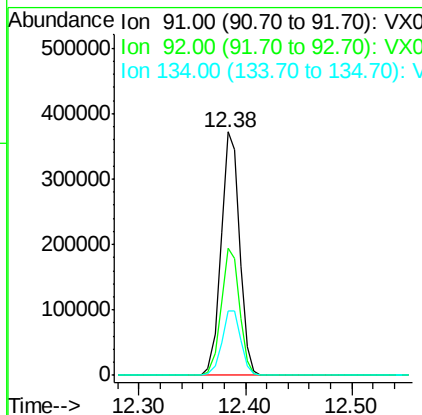
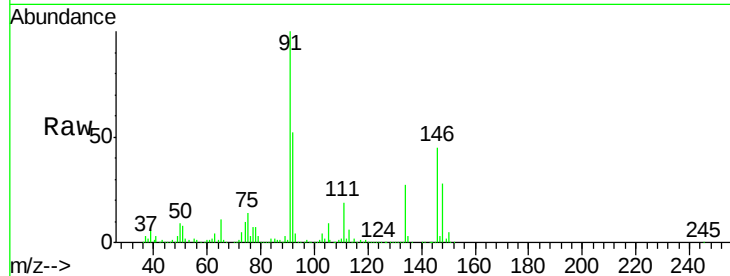
#89
n-Butylbenzene
Concen: 49.842 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX010662.D
Acq: 04 Jul 2019 02:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		450280		
92	52.0	26.2		78.5	
134	27.3	14.1		42.4	

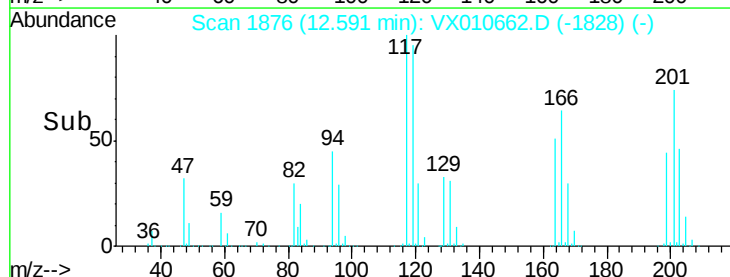
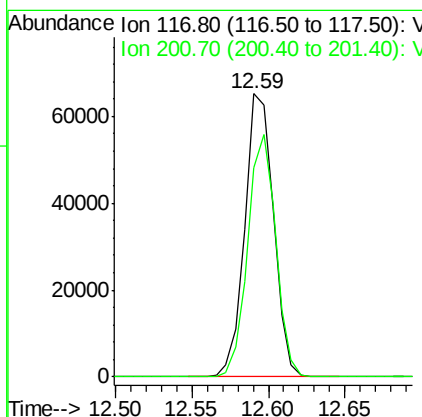
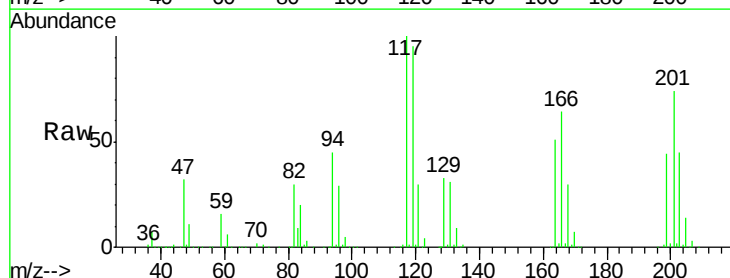
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#90
Hexachloroethane
Concen: 46.393 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX010662.D
Acq: 04 Jul 2019 02:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		85287		
201	83.6	44.0		131.8	





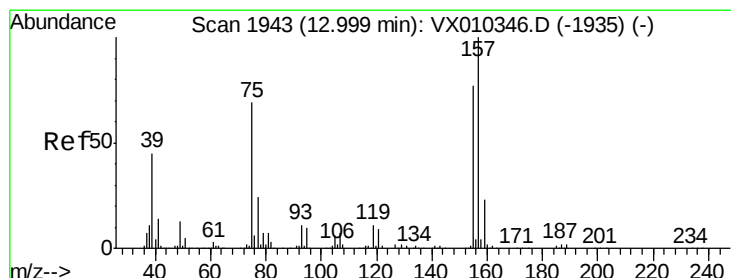
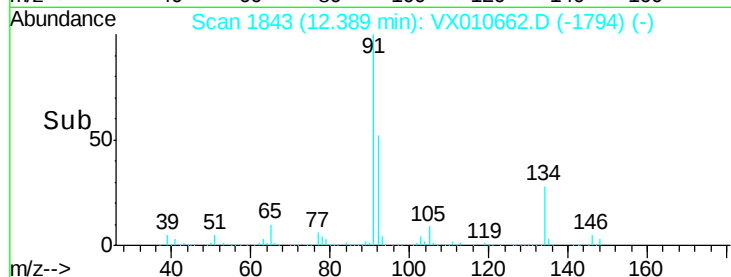
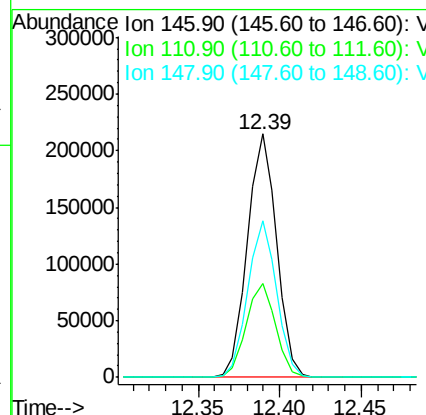
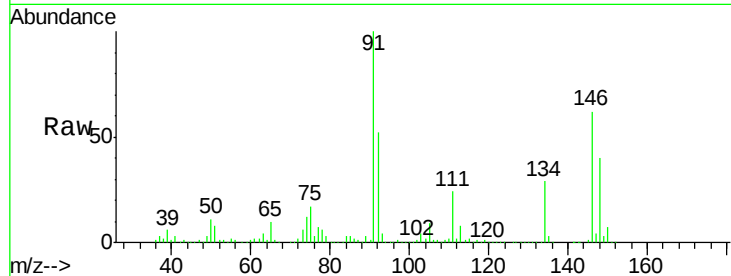
#91
 1,2-Dichlorobenzene
 Concen: 46.859 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX010662.D
 Acq: 04 Jul 2019 02:05

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	268563		
111	38.9	19.2	57.6	
148	63.7	32.0	96.0	

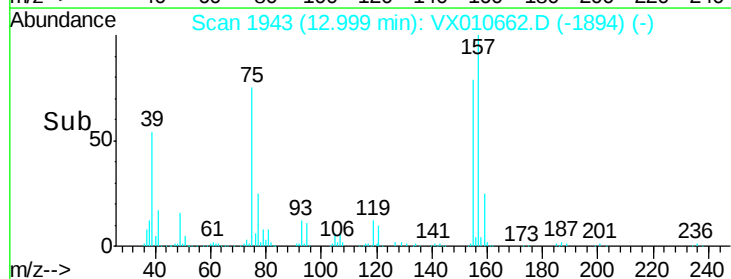
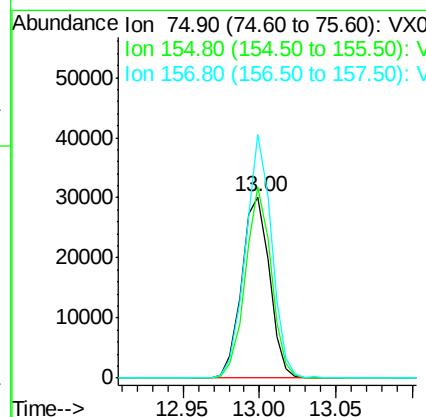
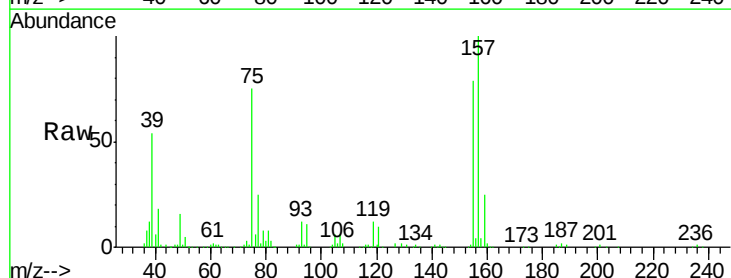
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.096 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX010662.D
 Acq: 04 Jul 2019 02:05

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	38096		
155	97.9	54.4	163.1	
157	126.4	69.5	208.3	





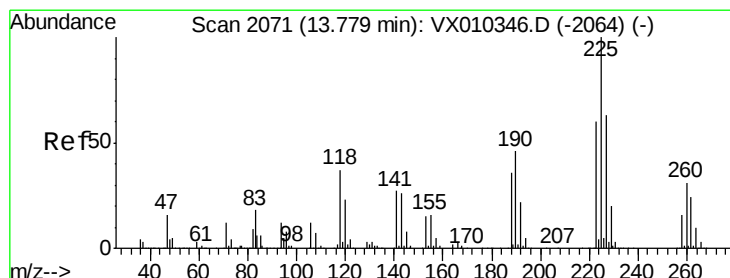
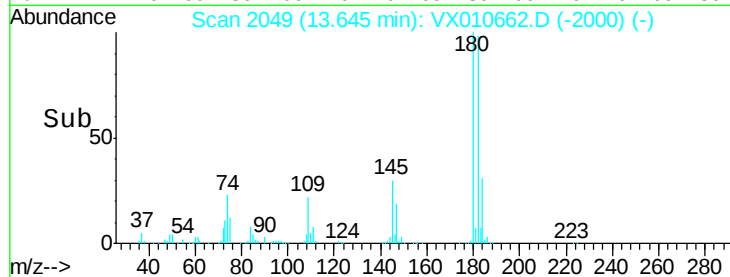
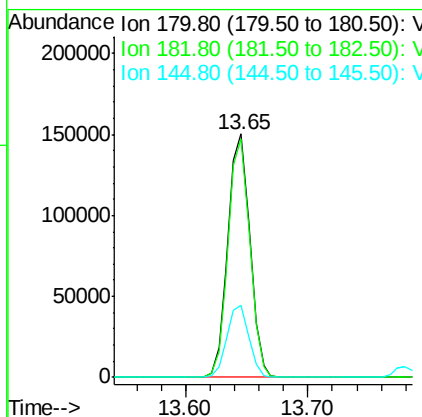
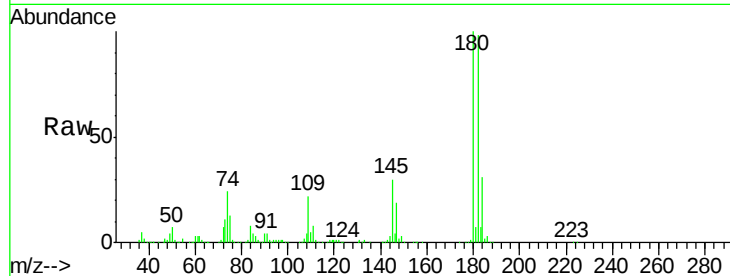
#93
 1,2,4-Trichlorobenzene
 Concen: 47.041 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX010662.D
 Acq: 04 Jul 2019 02:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	186967		
182	96.6	48.0	144.0	
145	29.4	14.4	43.4	

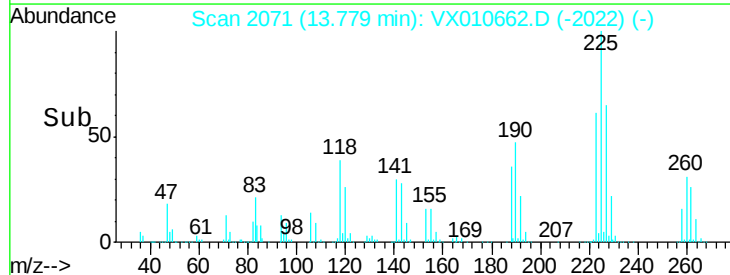
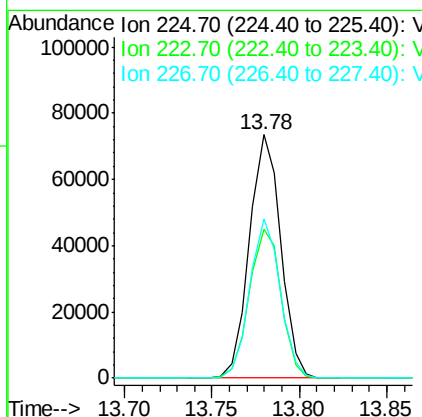
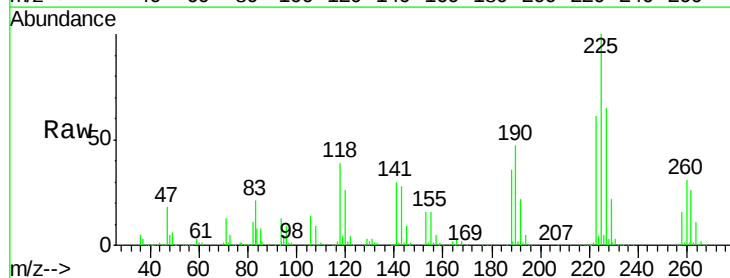
Manual Integrations
 APPROVED

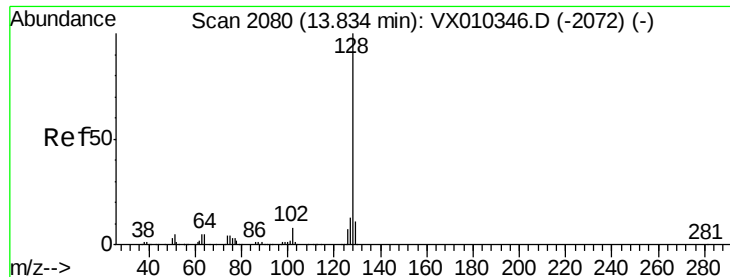
MMDadoda
 7/8/2019 10:58:13 AM



#94
 Hexachlorobutadiene
 Concen: 47.133 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX010662.D
 Acq: 04 Jul 2019 02:05

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	91556		
223	62.2	30.9	92.7	
227	63.6	31.9	95.5	





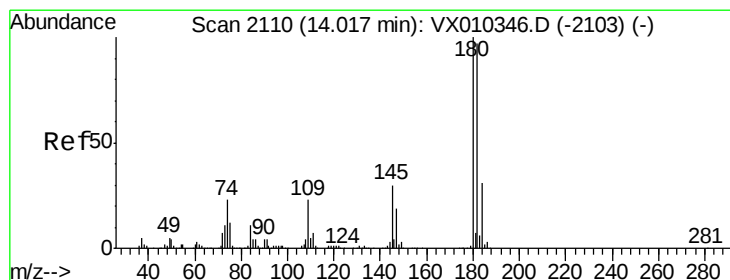
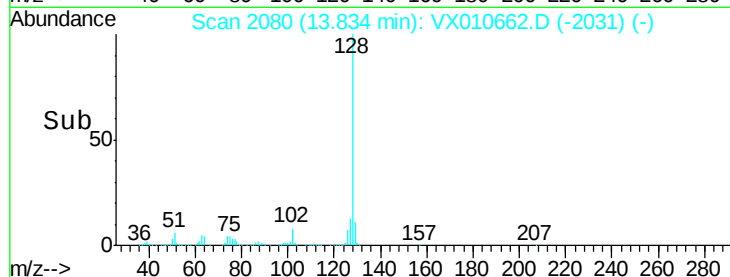
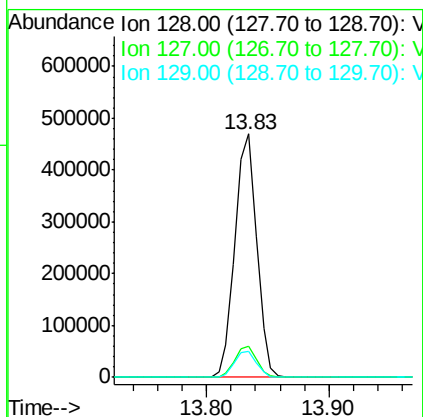
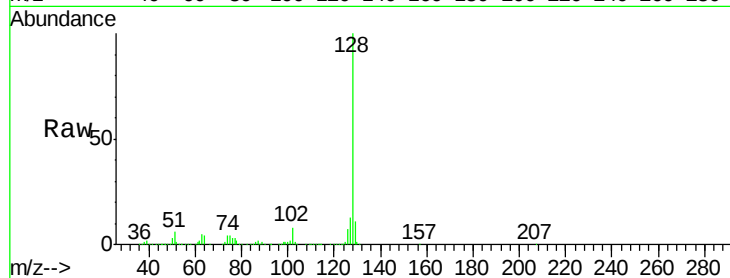
#95
Naphthalene
Concen: 47.103 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX010662.D
Acq: 04 Jul 2019 02:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.4
129	10.9	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
7/8/2019 10:58:13 AM



#96
1,2,3-Trichlorobenzene
Concen: 47.997 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX010662.D
Acq: 04 Jul 2019 02:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.8	143.3
145	31.0	15.2	45.6

