

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062019\
 Data File : VX010351.D
 Acq On : 20 Jun 2019 10:48
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/21/2019 11:34:55 AM

Quant Time: Jun 21 01:33:19 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	303032	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.85	114	443380	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	402286	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	208950	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	139278	49.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.04%	
35) Dibromofluoromethane	5.49	113	138379	51.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.02%	
50) Toluene-d8	8.71	98	527574	50.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.66%	
62) 4-Bromofluorobenzene	11.13	95	192974	51.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	113289	53.774	ug/l	99
3) Chloromethane	1.32	50	125491	51.154	ug/l	99
4) Vinyl Chloride	1.40	62	138639	51.596	ug/l	98
5) Bromomethane	1.64	94	68245	52.133	ug/l	100
6) Chloroethane	1.71	64	82508	52.047	ug/l	100
7) Trichlorofluoromethane	1.93	101	229520	53.884	ug/l	98
8) Diethyl Ether	2.18	74	81971	53.663	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	136374	52.832	ug/l	98
10) Methyl Iodide	2.51	142	190872	51.813	ug/l	100
11) Tert butyl alcohol	3.04	59	184453	248.102	ug/l	100
12) 1,1-Dichloroethene	2.37	96	128509	48.926	ug/l	91
13) Acrolein	2.29	56	113746	230.633	ug/l	100
14) Allyl chloride	2.73	41	204748	54.906	ug/l	99
15) Acrylonitrile	3.14	53	389241	264.437	ug/l	99
16) Acetone	2.44	43	387658	272.244	ug/l	98
17) Carbon Disulfide	2.57	76	372736	52.894	ug/l	100
18) Methyl Acetate	2.77	43	148434	52.303	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	443774	53.706	ug/l	99
20) Methylene Chloride	2.85	84	156187	53.299	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	152555	54.003	ug/l	95
22) Diisopropyl ether	3.85	45	415467	53.288	ug/l	89
23) Vinyl Acetate	3.81	43	1861979	276.447	ug/l	99
24) 1,1-Dichloroethane	3.70	63	242755	53.865	ug/l	99
25) 2-Butanone	4.67	43	561825	268.979	ug/l	99
26) 2,2-Dichloropropane	4.57	77	218774	55.882	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	174879	53.571	ug/l	99
28) Bromochloromethane	5.01	49	110009	51.055	ug/l	98
29) Tetrahydrofuran	5.12	42	341440	263.910	ug/l	99
30) Chloroform	5.21	83	255455	52.682	ug/l	98
31) Cyclohexane	5.57	56	225765	55.011	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	231631	54.099	ug/l	100
36) 1,1-Dichloropropene	5.79	75	191731	54.417	ug/l	99
37) Ethyl Acetate	4.82	43	199125	54.936	ug/l	100
38) Carbon Tetrachloride	5.78	117	212769	55.767	ug/l	100

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 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)
39) Methylcyclohexane	7.46	83	264746	57.164	ug/l	97
40) Benzene	6.14	78	601585	54.805	ug/l	100
41) Methacrylonitrile	5.04	41	110363	55.492	ug/l	98
42) 1,2-Dichloroethane	6.19	62	186955	55.952	ug/l	100
43) Isopropyl Acetate	6.44	43	334356	55.754	ug/l	99
44) Trichloroethene	7.21	130	180972	55.098	ug/l	99
45) 1,2-Dichloropropane	7.51	63	150996	54.472	ug/l	99
46) Dibromomethane	7.66	93	110264	55.442	ug/l	99
47) Bromodichloromethane	7.90	83	206063	56.537	ug/l	99
48) Methyl methacrylate	7.76	41	156442	56.123	ug/l	99
49) 1,4-Dioxane	7.73	88	86135	1072.668	ug/l	100
51) 4-Methyl-2-Pentanone	8.64	43	1047766	273.181	ug/l	100
52) Toluene	8.78	92	398080	55.070	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	232178	56.819	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	253697	57.131	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	165625	55.555	ug/l	98
56) Ethyl methacrylate	9.18	69	253820	56.202	ug/l	99
57) 1,3-Dichloropropane	9.37	76	252921	54.652	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	604733	281.944	ug/l	99
59) 2-Hexanone	9.49	43	846248	280.343	ug/l	100
60) Dibromochloromethane	9.58	129	192275	57.602	ug/l	99
61) 1,2-Dibromoethane	9.67	107	179157	55.675	ug/l	100
64) Tetrachloroethene	9.34	164	175038	53.795	ug/l	97
65) Chlorobenzene	10.13	112	449965	55.094	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	170684	57.375	ug/l	99
67) Ethyl Benzene	10.25	91	776323	56.304	ug/l	99
68) m/p-Xylenes	10.35	106	606396	113.504	ug/l	100
69) o-Xylene	10.69	106	293533	55.870	ug/l	99
70) Styrene	10.71	104	506973	57.539	ug/l	99
71) Bromoform	10.85	173	156937	60.662	ug/l #	100
73) Isopropylbenzene	11.02	105	788136	55.643	ug/l	99
74) N-amyl acetate	10.90	43	306222	57.206	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	255722	54.515	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	215242m	56.529	ug/l	
77) Bromobenzene	11.25	156	215439	54.472	ug/l	99
78) n-propylbenzene	11.36	91	887321	57.000	ug/l	100
79) 2-Chlorotoluene	11.42	91	514895	55.545	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	664317	56.893	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	92873	56.903	ug/l	99
82) 4-Chlorotoluene	11.51	91	595841	56.488	ug/l	99
83) tert-Butylbenzene	11.77	119	660532	56.361	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	671306	57.223	ug/l	99
85) sec-Butylbenzene	11.94	105	786214	57.135	ug/l	100
86) p-Isopropyltoluene	12.06	119	732512	57.551	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	383506	55.550	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	387053	55.070	ug/l	99
89) n-Butylbenzene	12.38	91	635485	58.756	ug/l	100
90) Hexachloroethane	12.60	117	133293	60.564	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	373251	54.398	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	54375	53.764	ug/l	99

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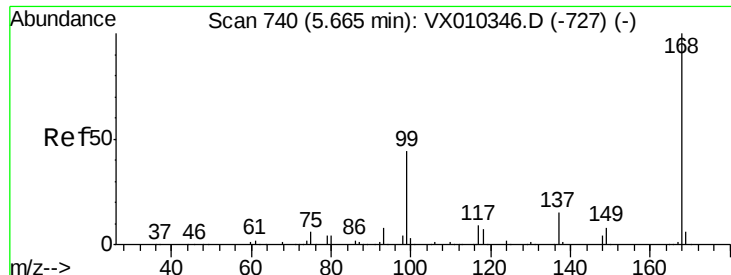
Manual Integrations
APPROVED

MMDadoda
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QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	272997	57.372	ug/l	99
94) Hexachlorobutadiene	13.78	225	134080	57.655	ug/l	99
95) Naphthalene	13.83	128	819366	56.034	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	266543	56.339	ug/l	100

(#) = 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: VX010351.D

Acq: 20 Jun 2019 10:48

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion:168 Resp: 303032

Ion Ratio Lower Upper

168 100

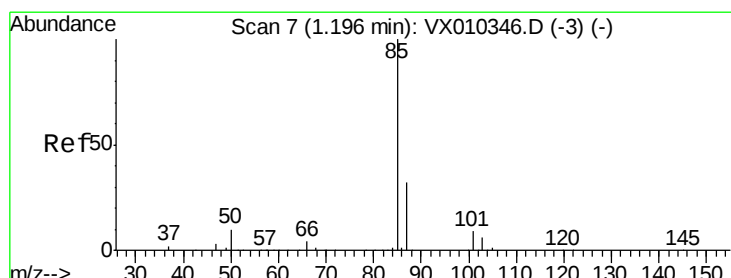
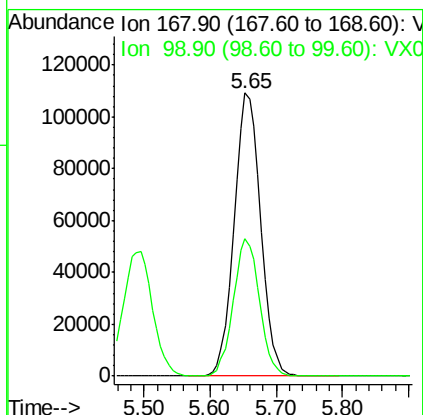
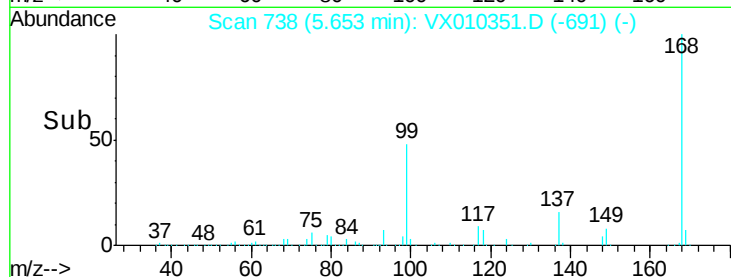
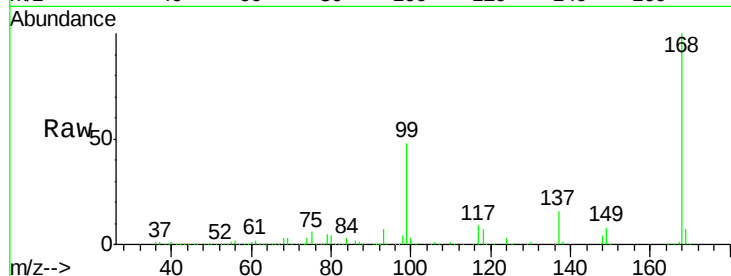
99 48.3 35.5 53.3

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 53.774 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010351.D

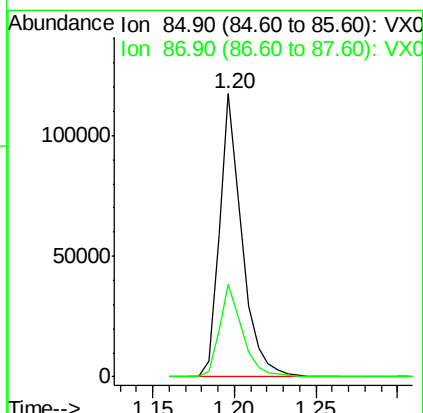
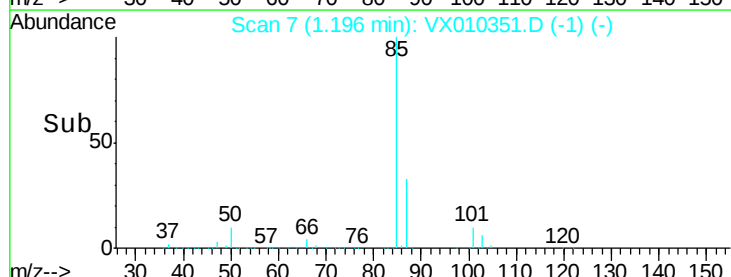
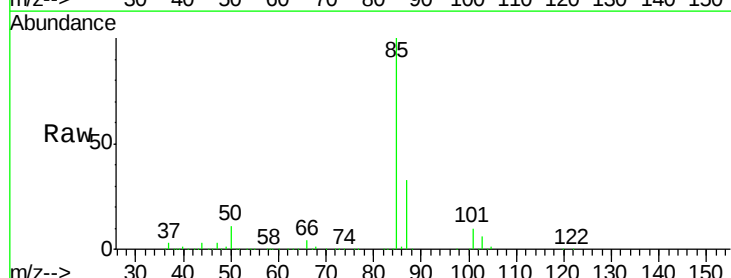
Acq: 20 Jun 2019 10:48

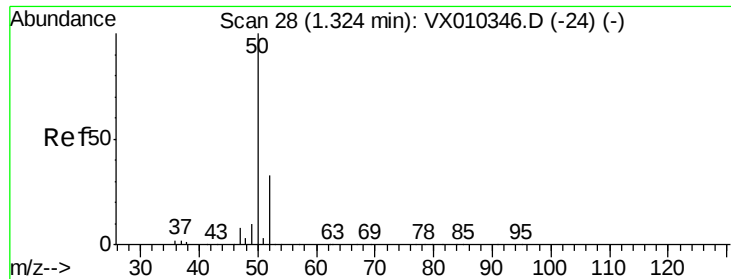
Tgt Ion: 85 Resp: 113289

Ion Ratio Lower Upper

85 100

87 32.9 16.3 48.8





#3

Chloromethane

Concen: 51.154 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX010351.D

Acq: 20 Jun 2019 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 125491

Ion Ratio Lower Upper

50 100

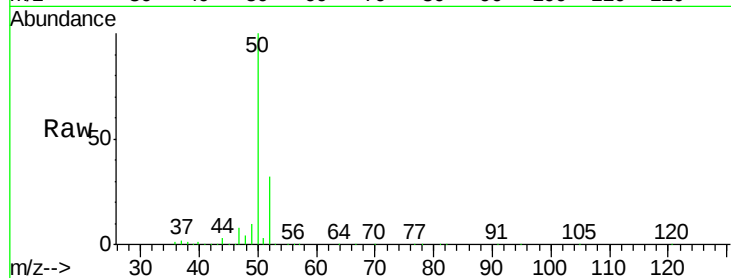
52 32.5 26.5 39.7

Manual Integrations

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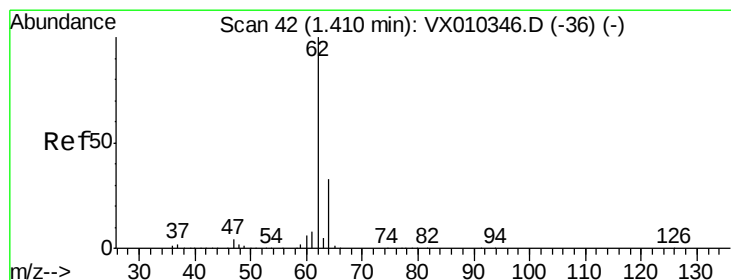
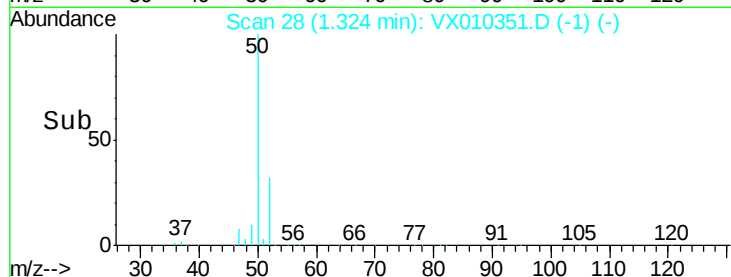
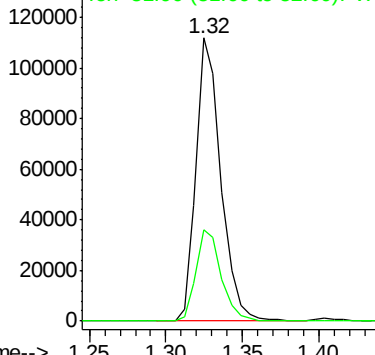
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 51.596 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX010351.D

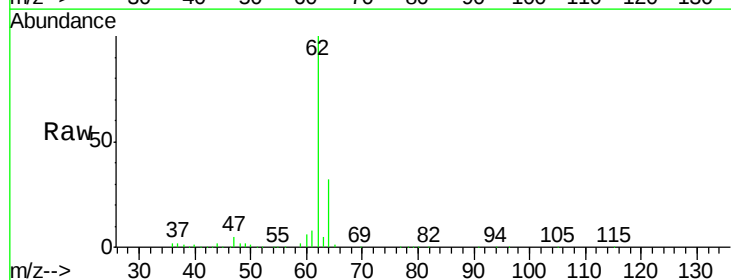
Acq: 20 Jun 2019 10:48

Tgt Ion: 62 Resp: 138639

Ion Ratio Lower Upper

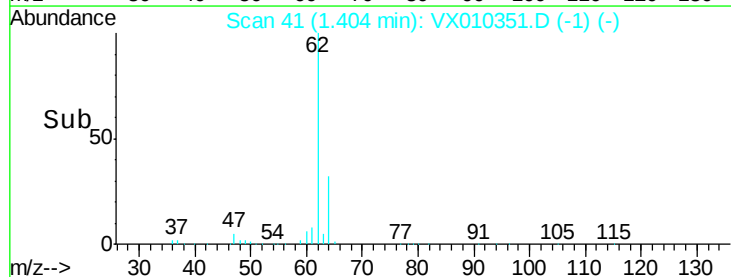
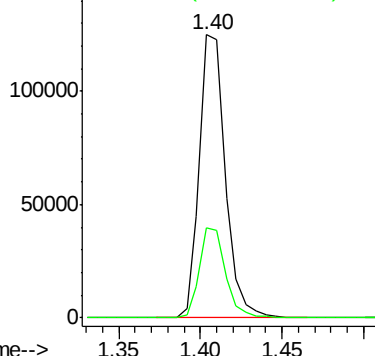
62 100

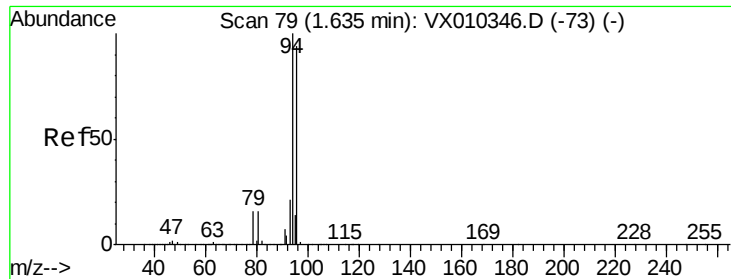
64 31.7 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 52.133 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX010351.D

Acq: 20 Jun 2019 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 68245

Ion Ratio Lower Upper

94 100

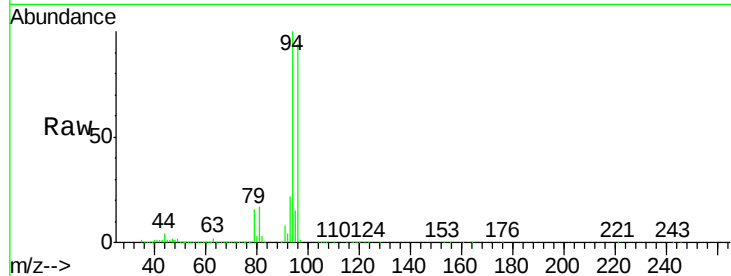
96 94.0 75.5 113.3

Manual Integrations

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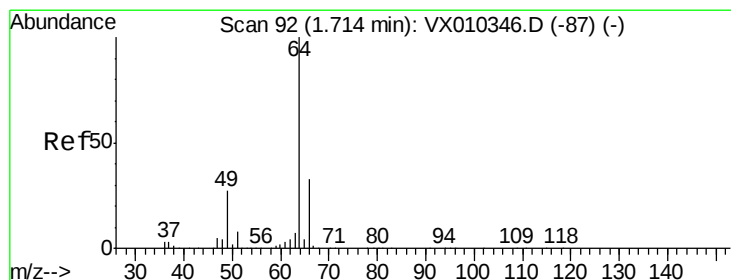
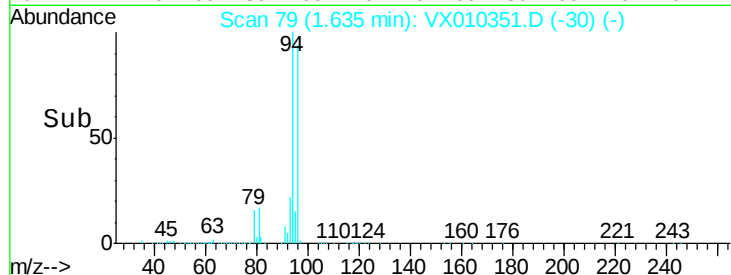
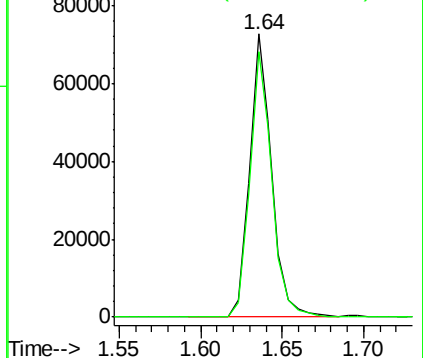
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 52.047 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX010351.D

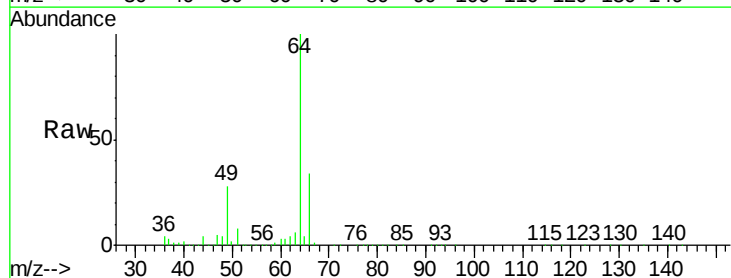
Acq: 20 Jun 2019 10:48

Tgt Ion: 64 Resp: 82508

Ion Ratio Lower Upper

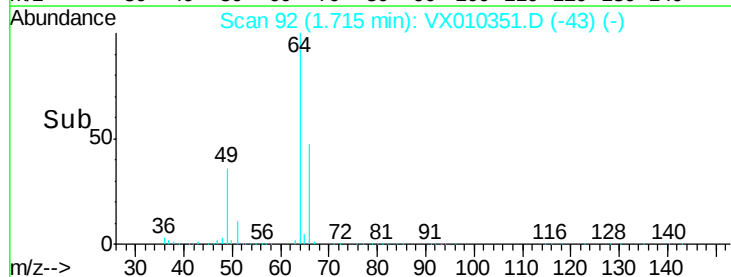
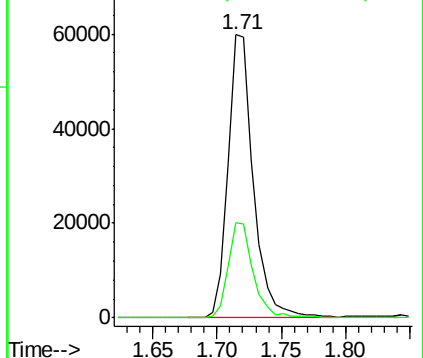
64 100

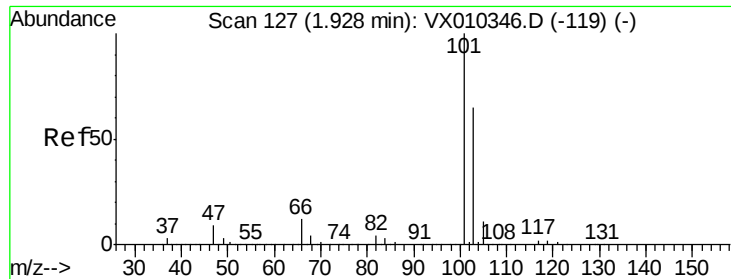
66 33.5 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

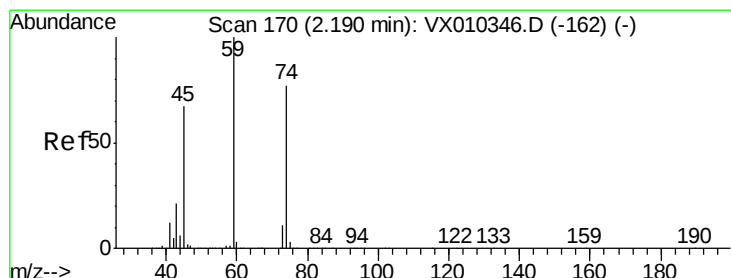
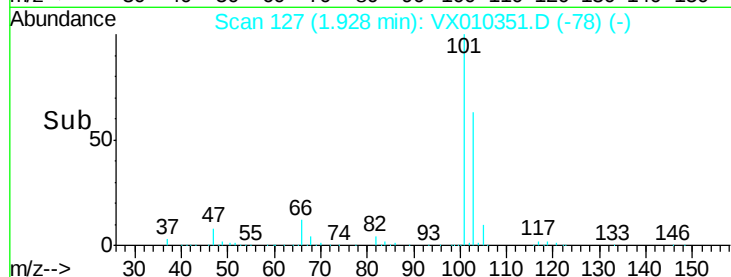
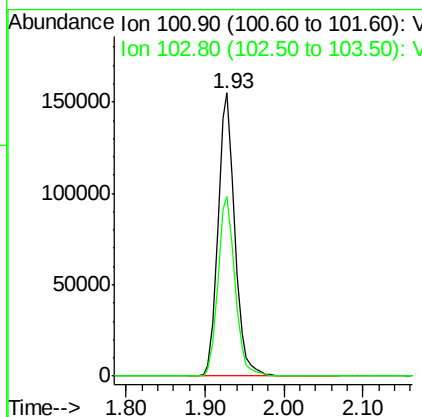
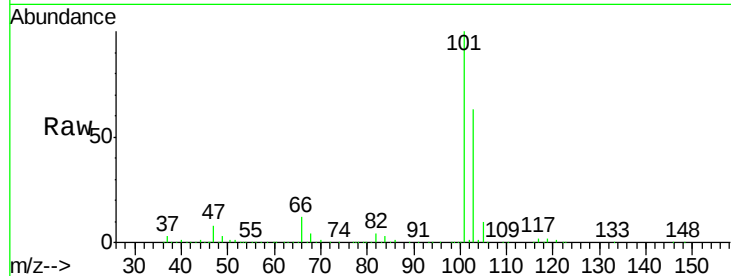
Trichlorofluoromethane
Concen: 53.884 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX010351.D
Acq: 20 Jun 2019 10:48

Instrument :
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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.4	52.3	78.5

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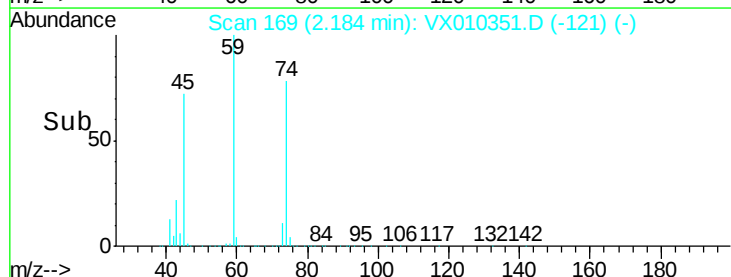
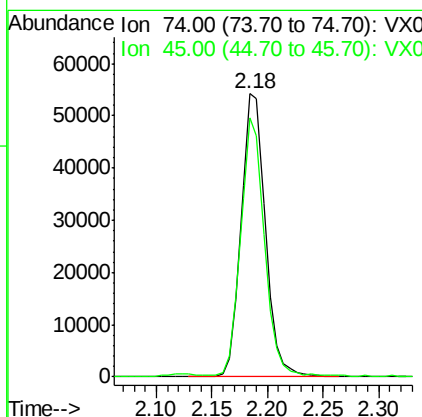
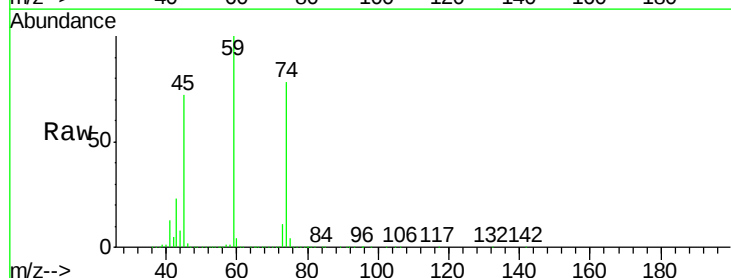
MMDadoda
6/21/2019 11:34:55 AM

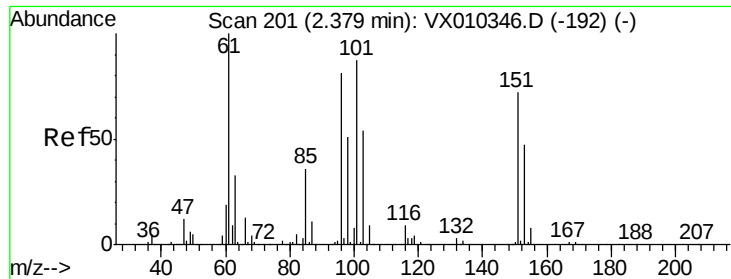


#8

Diethyl Ether
Concen: 53.663 ug/l
RT: 2.18 min Scan# 169
Delta R.T. -0.01 min
Lab File: VX010351.D
Acq: 20 Jun 2019 10:48

Tgt Ion	Ratio	Lower	Upper
74	100		
45	88.9	44.8	134.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.832 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX010351.D

Acq: 20 Jun 2019 10:48

Instrument :

MSVOA_X

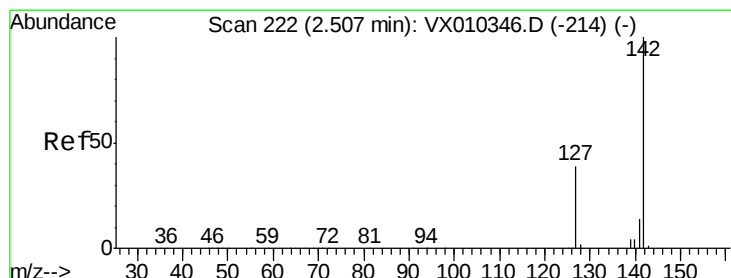
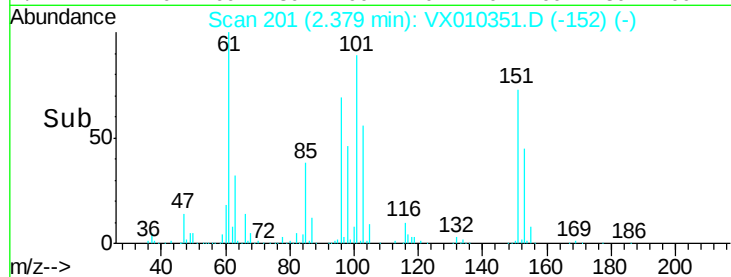
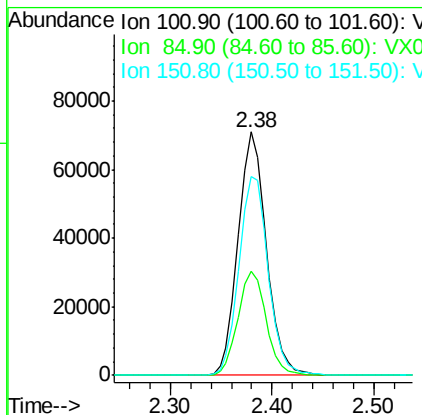
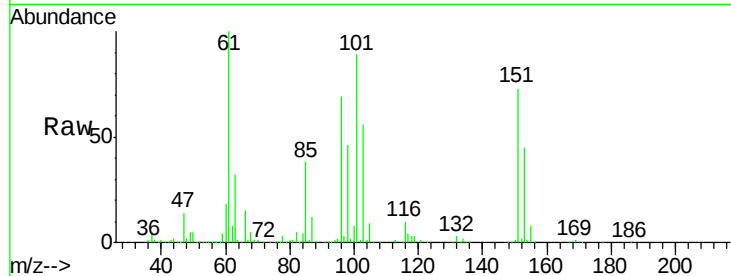
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	136374
Ion Ratio	Lower	Upper	
101	100		
85	42.8	33.7	50.5
151	84.9	70.1	105.1

Manual Integrations
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#10

Methyl Iodide

Concen: 51.813 ug/l

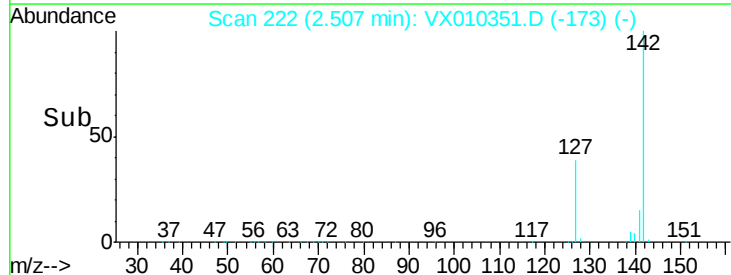
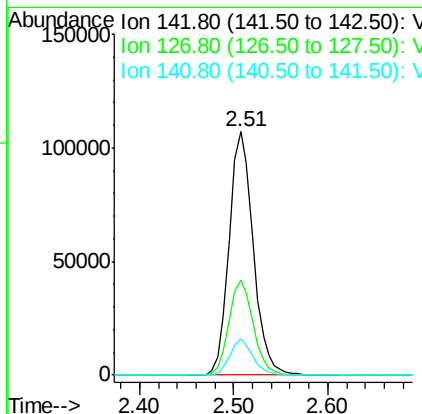
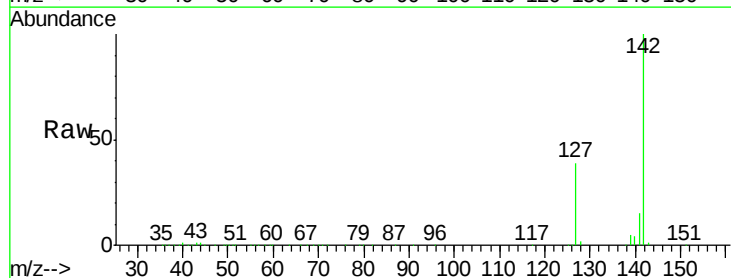
RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX010351.D

Acq: 20 Jun 2019 10:48

Tgt Ion:	142	Resp:	190872
Ion Ratio	Lower	Upper	
142	100		
127	39.2	31.1	46.7
141	14.1	11.2	16.8





#11

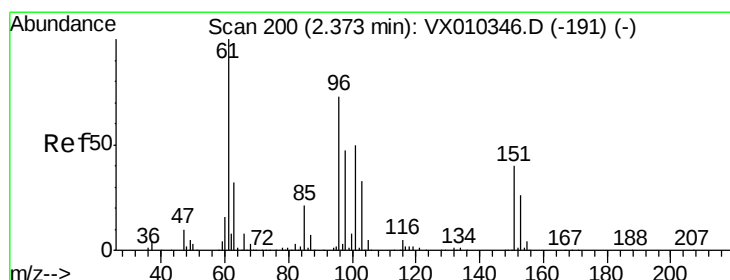
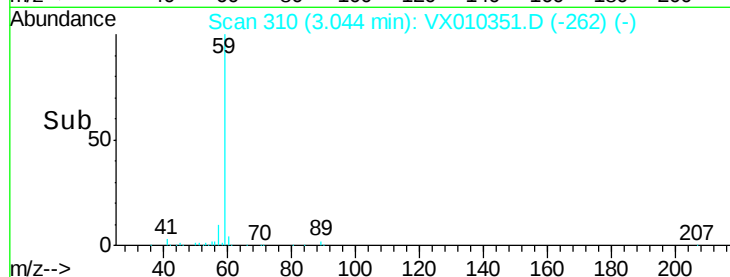
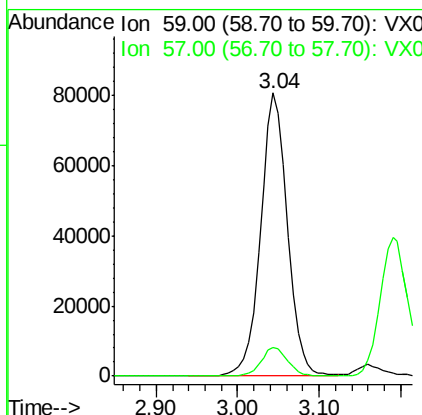
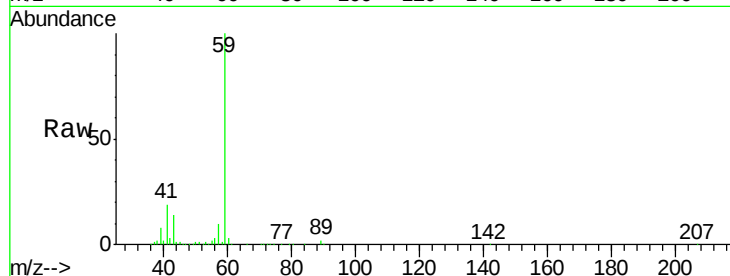
Tert butyl alcohol
Concen: 248.102 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX010351.D
Acq: 20 Jun 2019 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	184453
Ion Ratio	100	Lower	Upper
57	9.7	7.7	11.5

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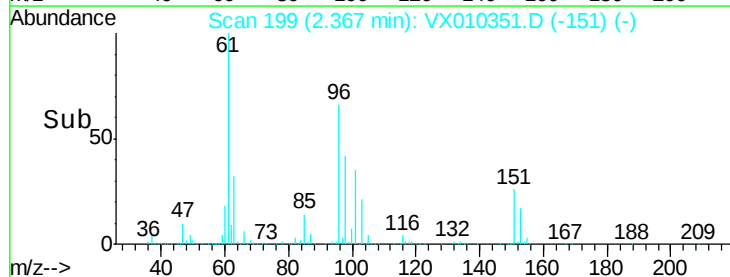
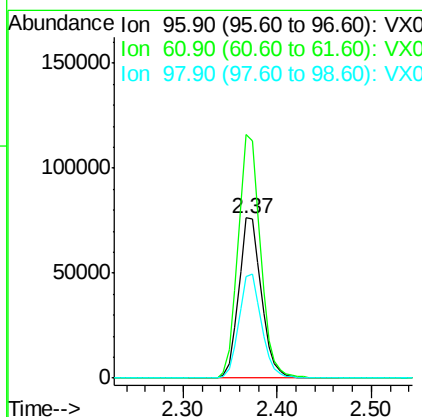
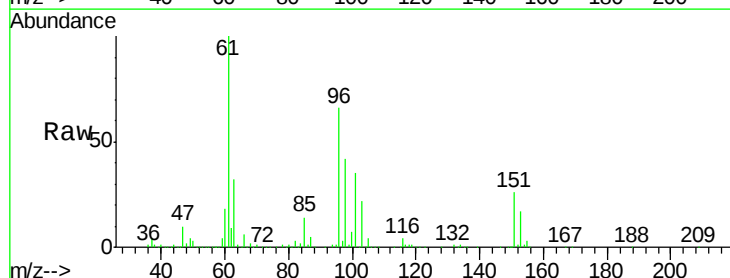
MMDadoda
6/21/2019 11:34:55 AM



#12

1,1-Dichloroethene
Concen: 48.926 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX010351.D
Acq: 20 Jun 2019 10:48

Tgt Ion	96	Resp	128509
Ion Ratio	100	Lower	Upper
61	151.9	109.2	163.8
98	63.7	51.1	76.7





#13

Acrolein

Concen: 230.633 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010351.D

Acq: 20 Jun 2019 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 113746

Ion Ratio Lower Upper

56 100

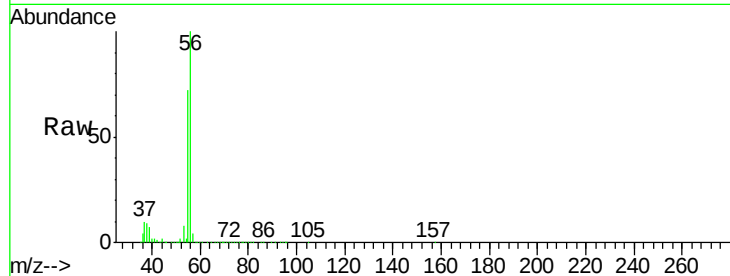
55 71.4 56.9 85.3

Manual Integrations

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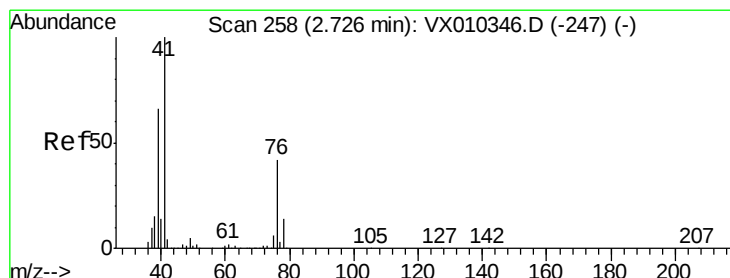
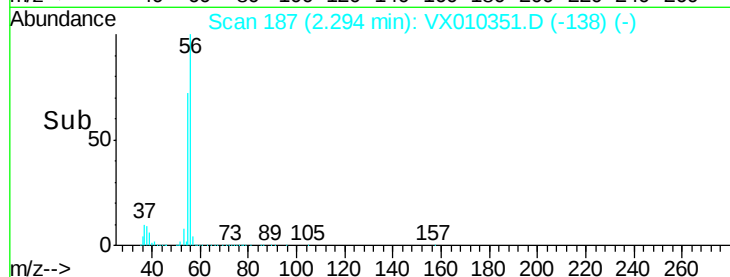
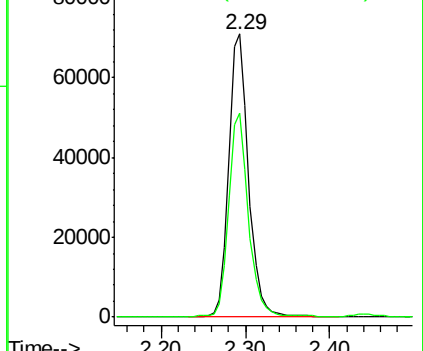
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 54.906 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX010351.D

Acq: 20 Jun 2019 10:48

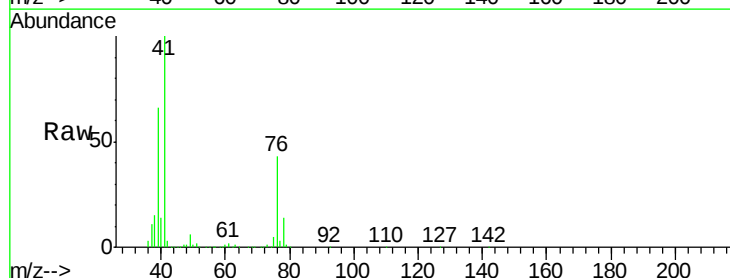
Tgt Ion: 41 Resp: 204748

Ion Ratio Lower Upper

41 100

39 63.0 50.3 75.5

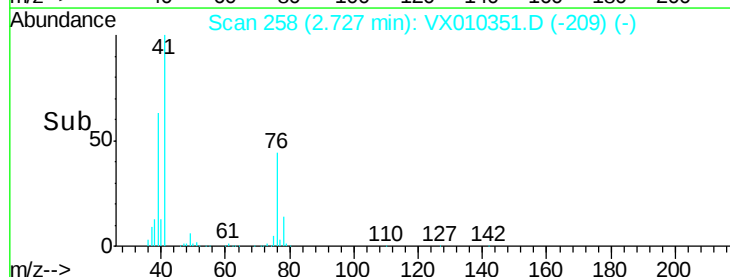
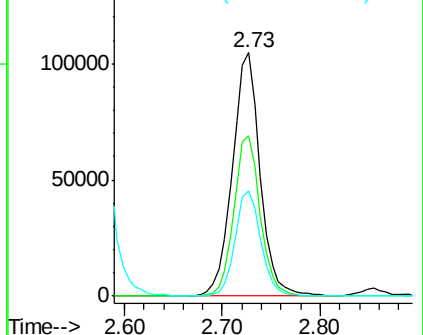
76 40.5 31.3 46.9

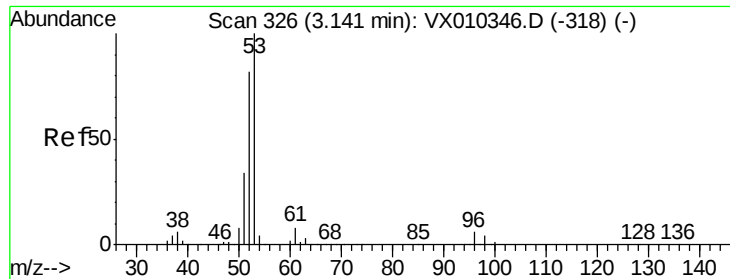


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 264.437 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX010351.D

Acq: 20 Jun 2019 10:48

Instrument :

MSVOA_X

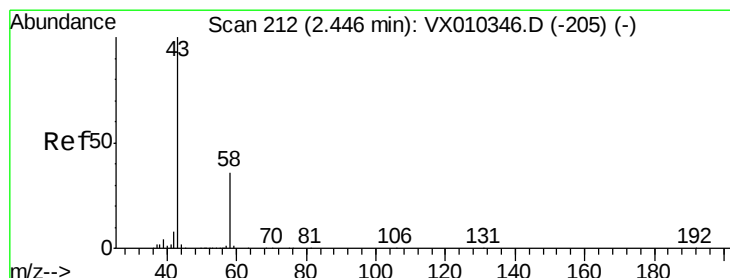
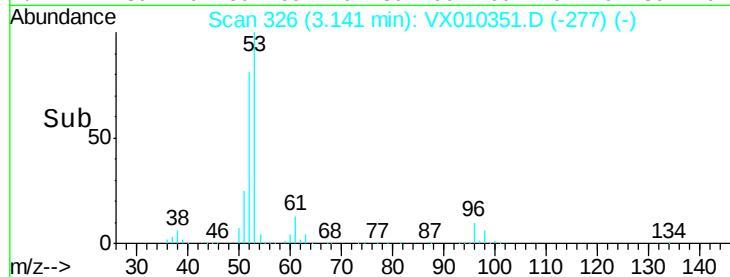
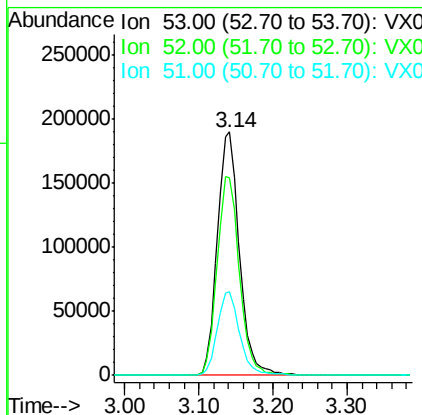
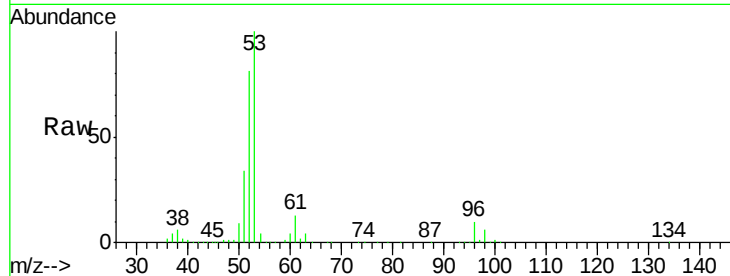
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	389241
Ion Ratio	Lower	Upper	
53	100		
52	82.6	65.5	98.3
51	34.7	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 272.244 ug/l

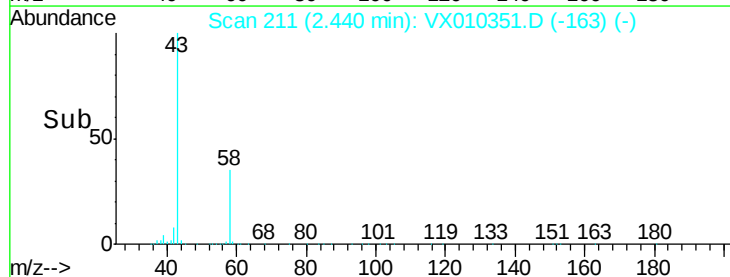
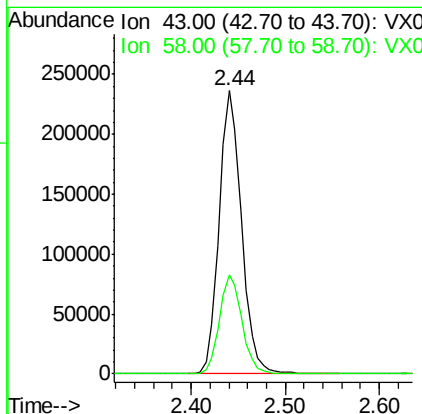
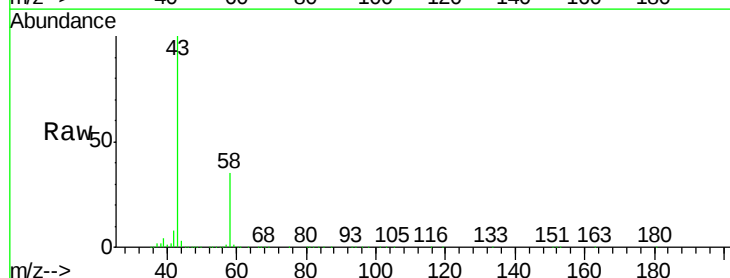
RT: 2.44 min Scan# 211

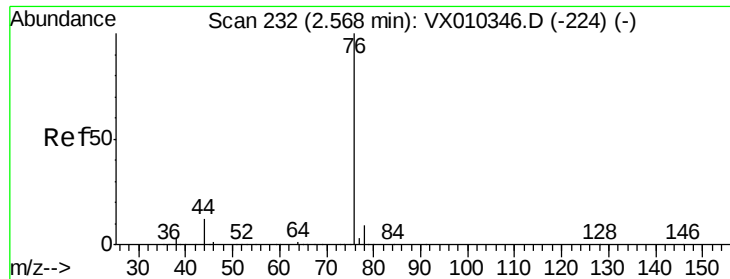
Delta R.T. -0.01 min

Lab File: VX010351.D

Acq: 20 Jun 2019 10:48

Tgt Ion:	43	Resp:	387658
Ion Ratio	Lower	Upper	
43	100		
58	35.0	28.9	43.3





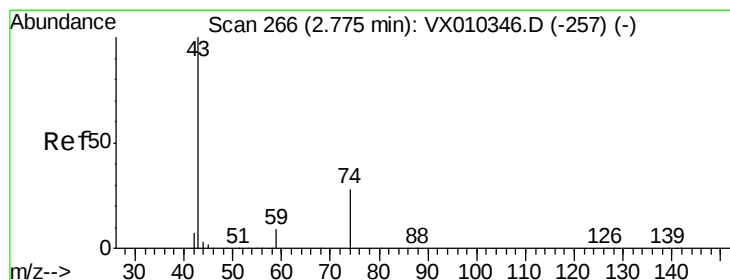
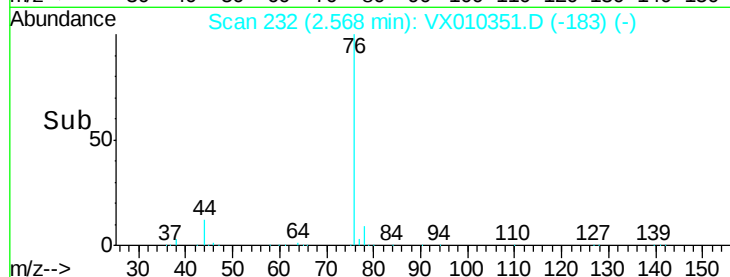
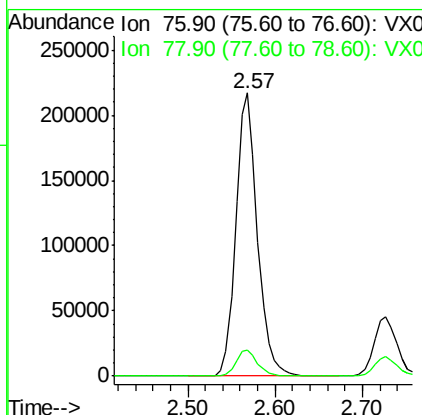
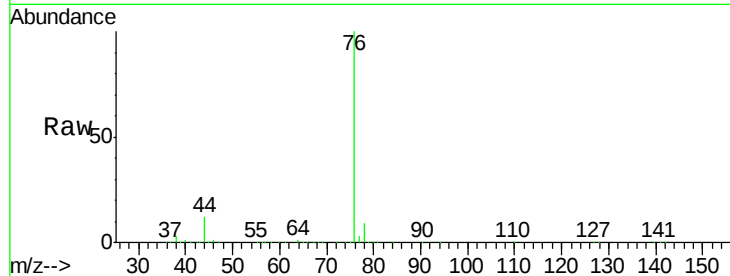
#17
Carbon Disulfide
Concen: 52.894 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX010351.D
Acq: 20 Jun 2019 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9

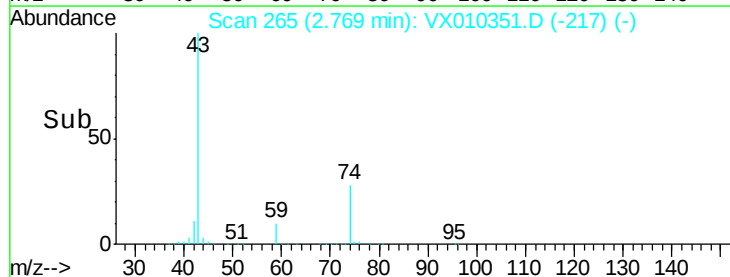
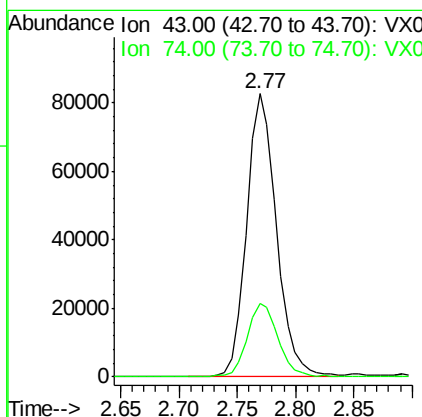
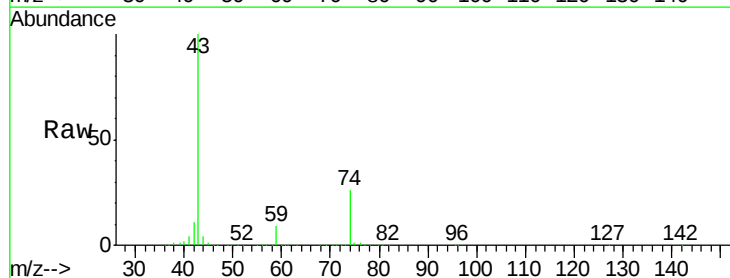
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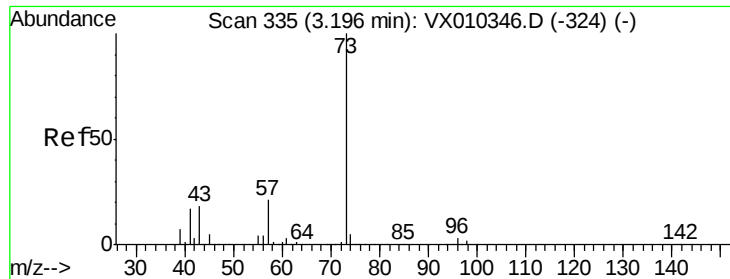
MMDadoda
6/21/2019 11:34:55 AM



#18
Methyl Acetate
Concen: 52.303 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX010351.D
Acq: 20 Jun 2019 10:48

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.1	21.3	31.9





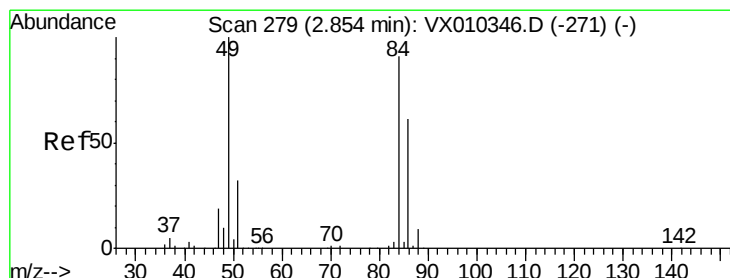
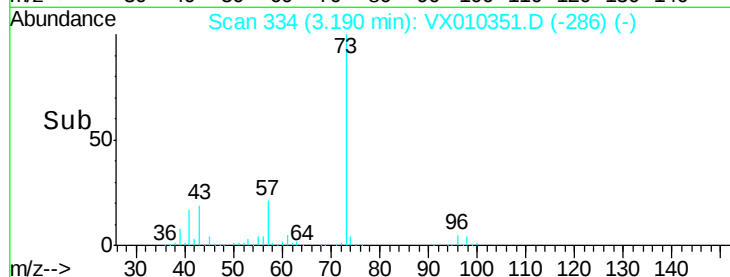
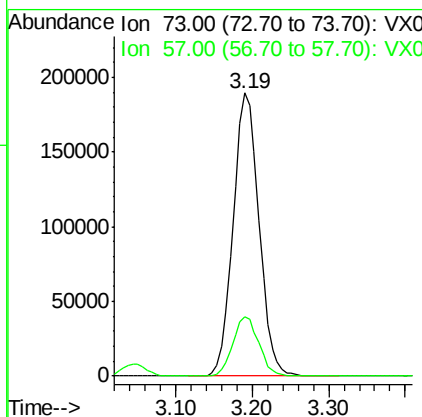
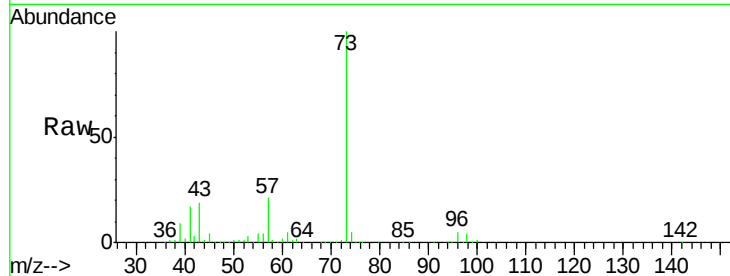
#19
Methvl tert-butvl Ether
Concen: 53.706 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.01 min
Lab File: VX010351.D
Acq: 20 Jun 2019 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 443774
Ion Ratio Lower Upper
73 100
57 20.8 16.4 24.6

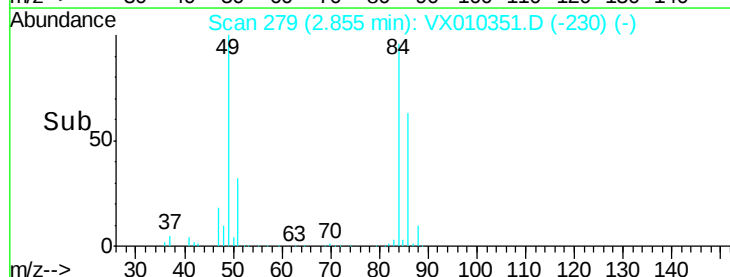
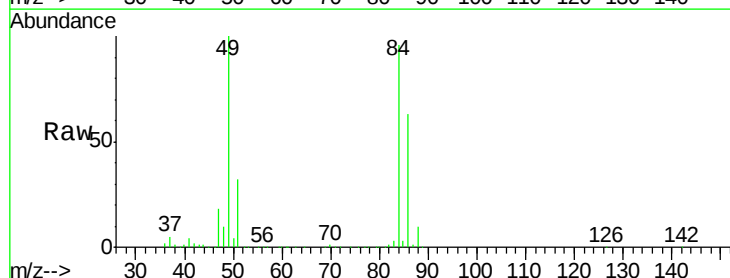
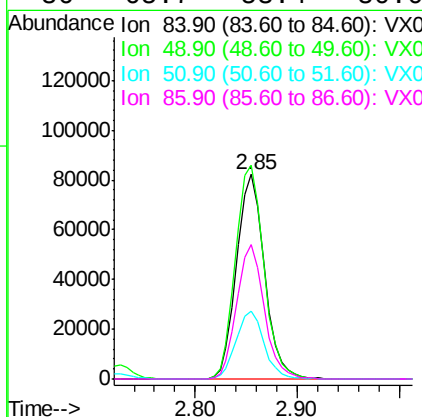
Manual Integrations
APPROVED

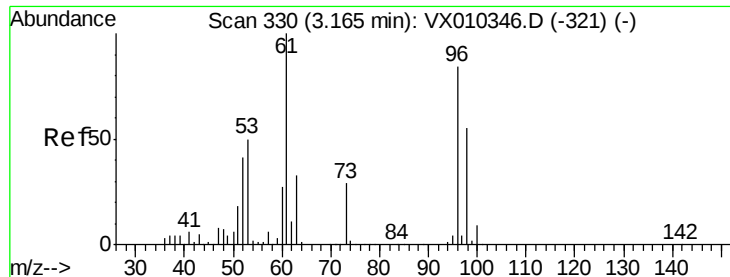
MMDadoda
6/21/2019 11:34:55 AM



#20
Methylene Chloride
Concen: 53.299 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX010351.D
Acq: 20 Jun 2019 10:48

Tgt Ion: 84 Resp: 156187
Ion Ratio Lower Upper
84 100
49 104.4 87.5 131.3
51 33.0 27.7 41.5
86 65.7 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 54.003 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX010351.D

Acq: 20 Jun 2019 10:48

Instrument :

MSVOA_X

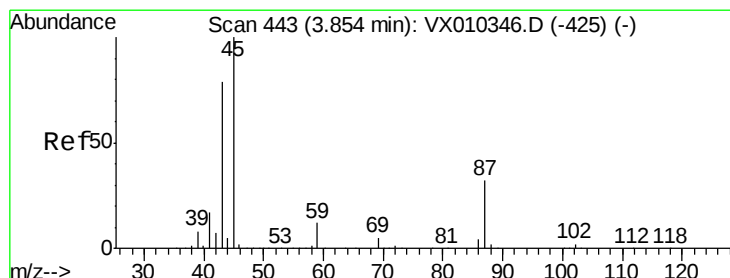
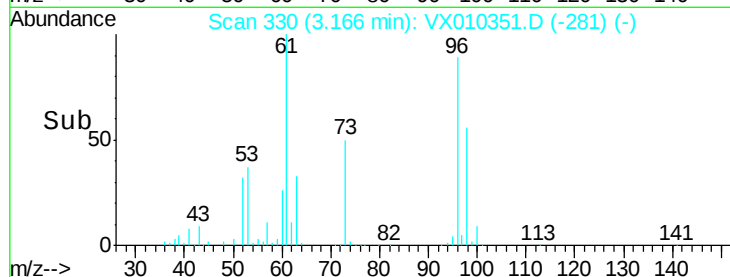
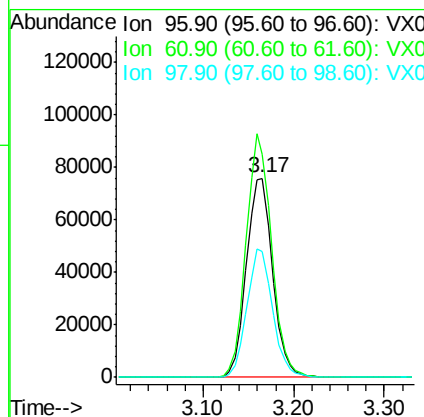
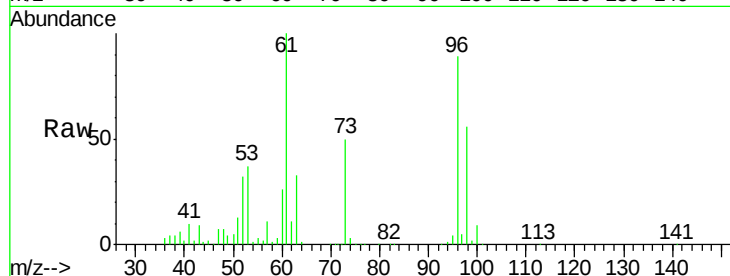
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	152555
Ion	Ratio	Lower	Upper
96	100		
61	112.0	95.6	143.4
98	63.2	52.5	78.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 53.288 ug/l

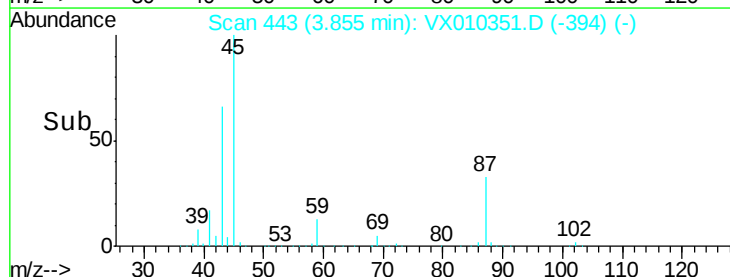
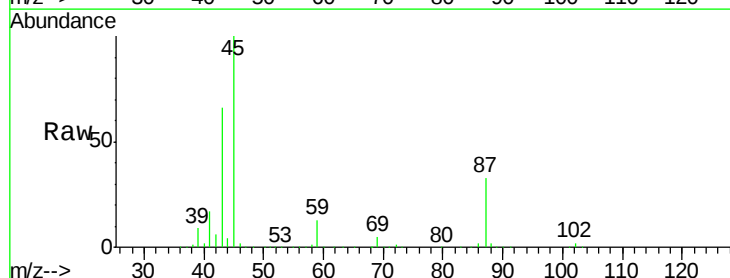
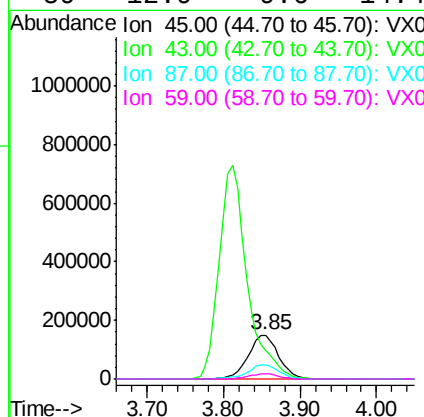
RT: 3.85 min Scan# 443

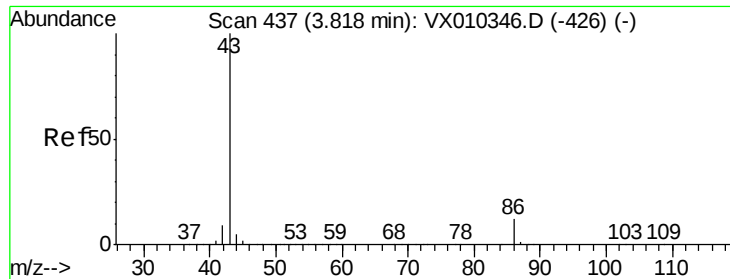
Delta R.T. 0.00 min

Lab File: VX010351.D

Acq: 20 Jun 2019 10:48

Tgt Ion:	45	Resp:	415467
Ion	Ratio	Lower	Upper
45	100		
43	65.4	63.3	94.9
87	33.3	25.8	38.8
59	12.9	9.6	14.4





#23

Vinyl Acetate

Concen: 276.447 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX010351.D

Acq: 20 Jun 2019 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1861979

Ion Ratio Lower Upper

43 100

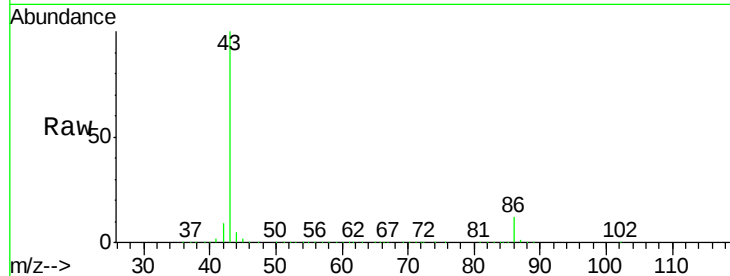
86 12.1 9.9 14.9

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

800000

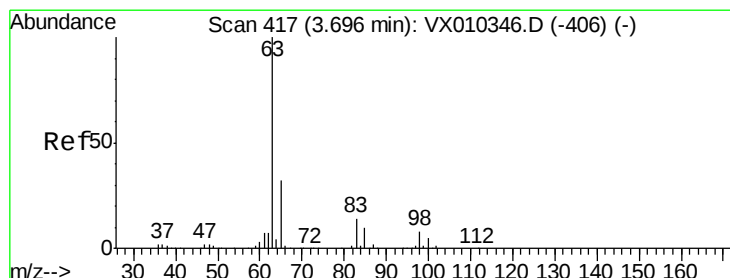
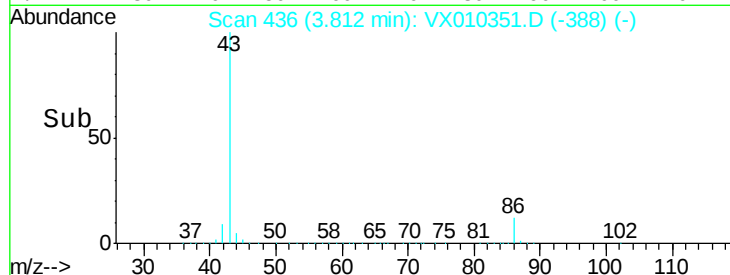
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 53.865 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX010351.D

Acq: 20 Jun 2019 10:48

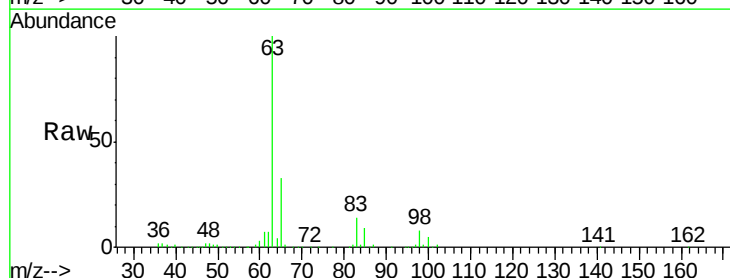
Tgt Ion: 63 Resp: 242755

Ion Ratio Lower Upper

63 100

98 8.2 3.9 11.7

100 5.0 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

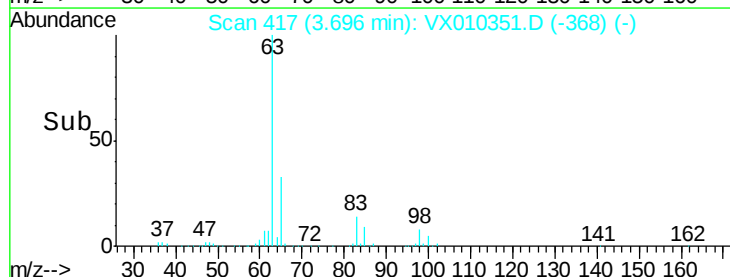
3.70

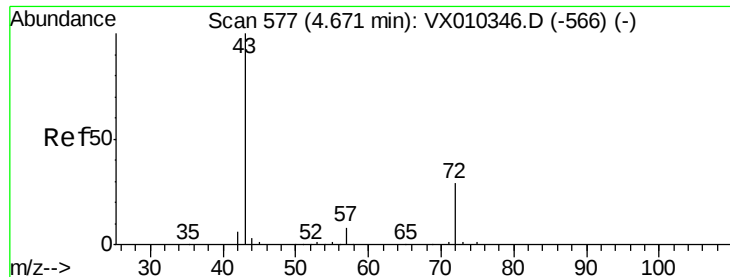
100000

50000

0

Time-->





#25

2-Butanone

Concen: 268.979 ug/l

RT: 4.67 min Scan# 576

Delta R.T. -0.01 min

Lab File: VX010351.D

Acq: 20 Jun 2019 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 561825

Ion Ratio Lower Upper

43 100

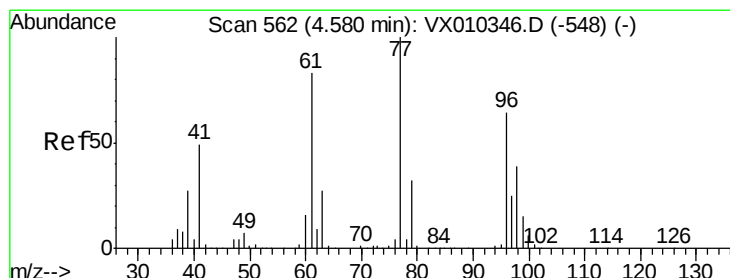
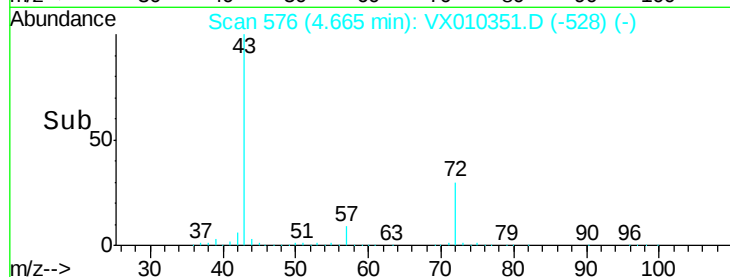
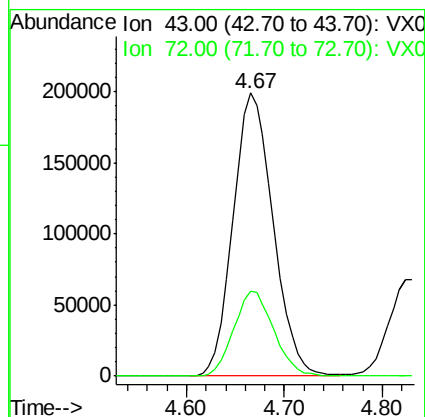
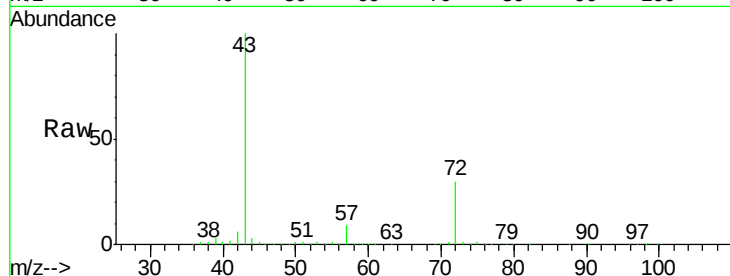
72 29.8 23.3 34.9

Manual Integrations

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MMDadoda

6/21/2019 11:34:55 AM



#26

2,2-Dichloropropane

Concen: 55.882 ug/l

RT: 4.57 min Scan# 561

Delta R.T. -0.01 min

Lab File: VX010351.D

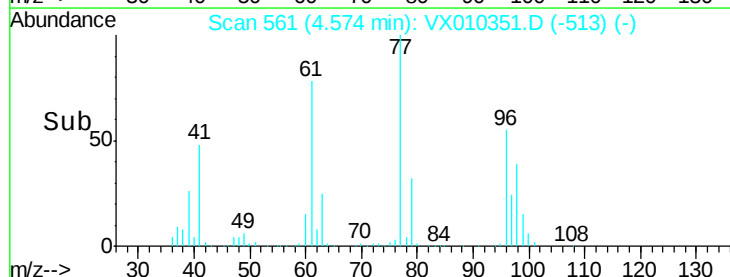
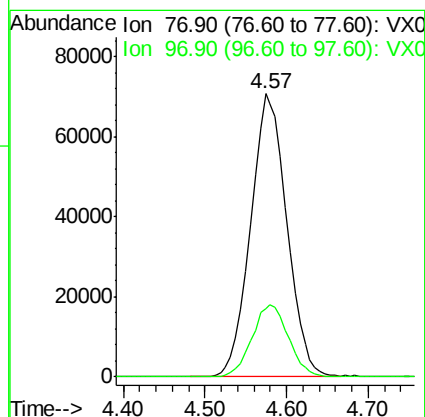
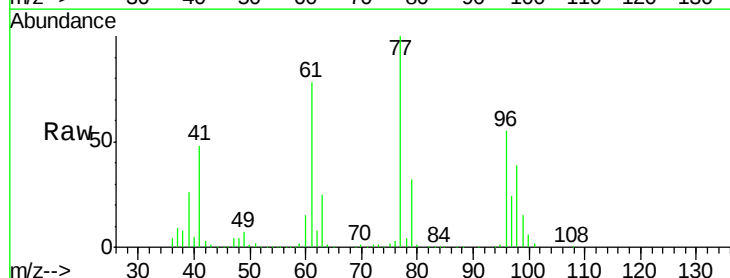
Acq: 20 Jun 2019 10:48

Tgt Ion: 77 Resp: 218774

Ion Ratio Lower Upper

77 100

97 25.7 13.1 39.3





#27

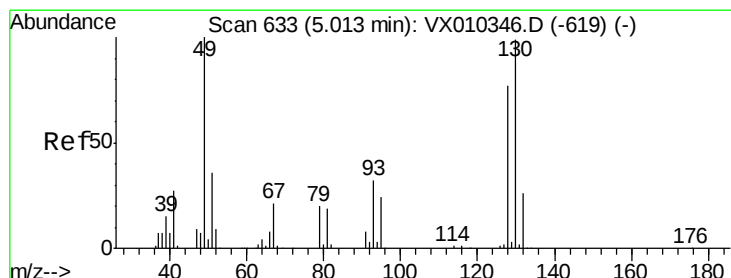
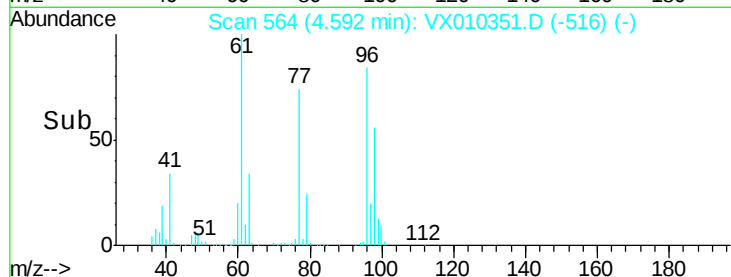
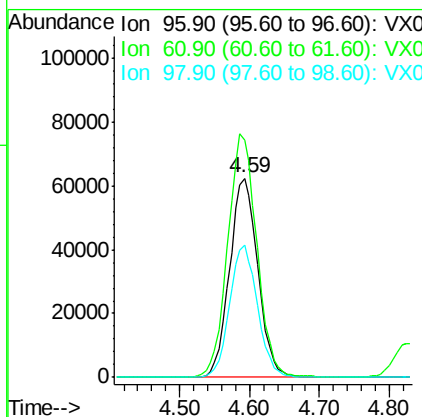
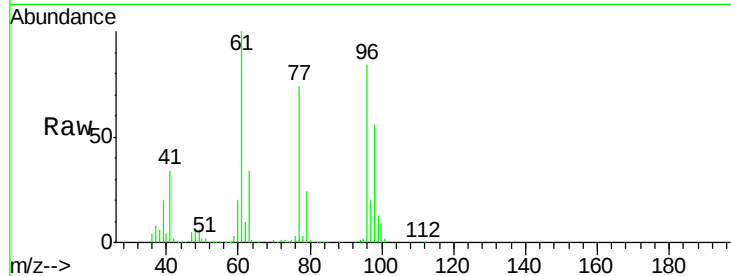
cis-1,2-Dichloroethene
 Concen: 53.571 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VX010351.D
 Acq: 20 Jun 2019 10:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	174879		
61	126.4	0.0	251.8	
98	65.4	0.0	129.4	

Manual Integrations
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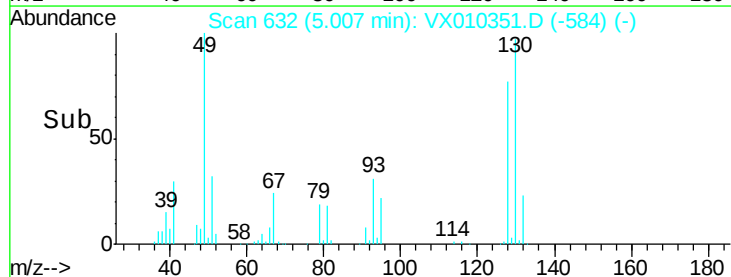
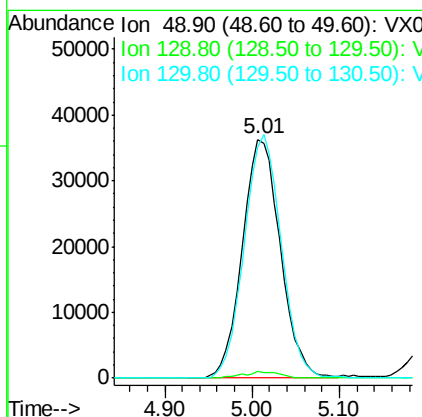
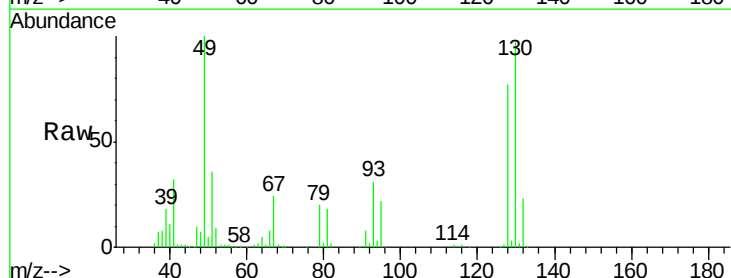
MMDadoda
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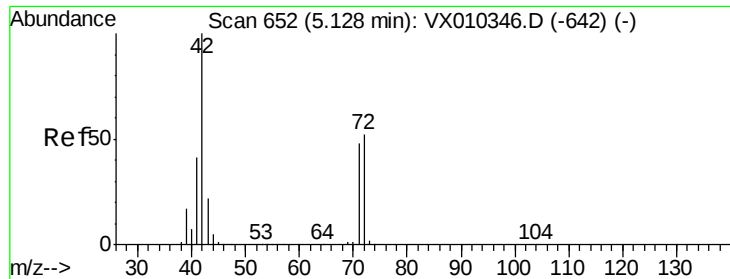


#28

Bromochloromethane
 Concen: 51.055 ug/l
 RT: 5.01 min Scan# 632
 Delta R.T. -0.01 min
 Lab File: VX010351.D
 Acq: 20 Jun 2019 10:48

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	110009		
129	2.6	0.0	5.6	
130	99.2	81.4	122.0	





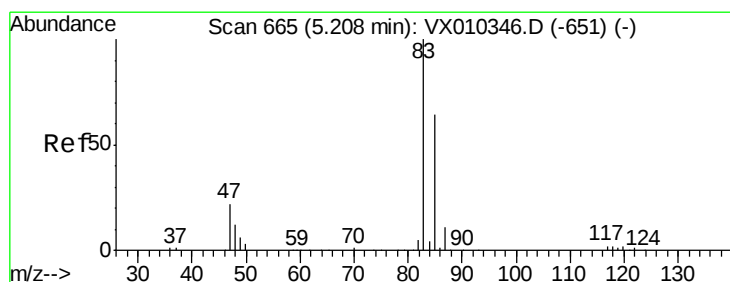
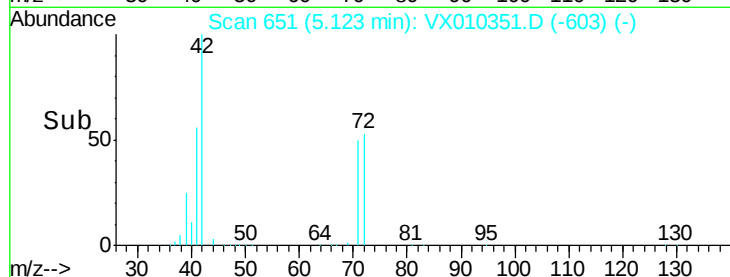
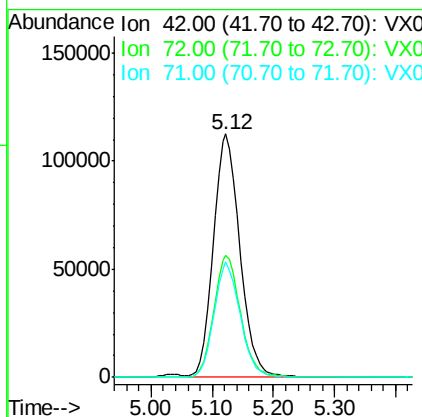
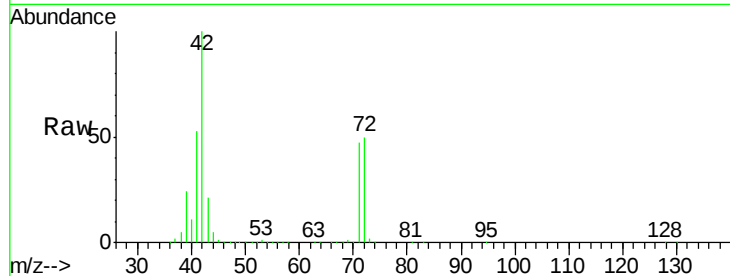
#29
Tetrahydrofuran
Concen: 263.910 ug/l
RT: 5.12 min Scan# 651
Delta R.T. -0.01 min
Lab File: VX010351.D
Acq: 20 Jun 2019 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.8	40.6	60.8
71	46.7	37.8	56.8

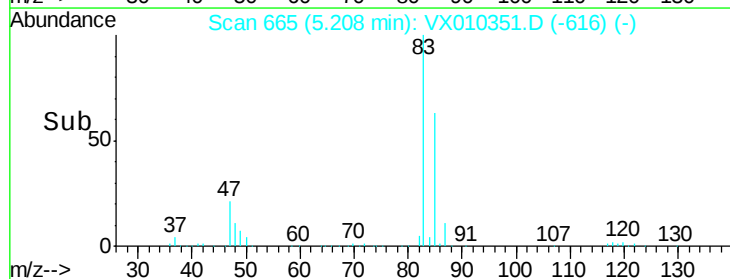
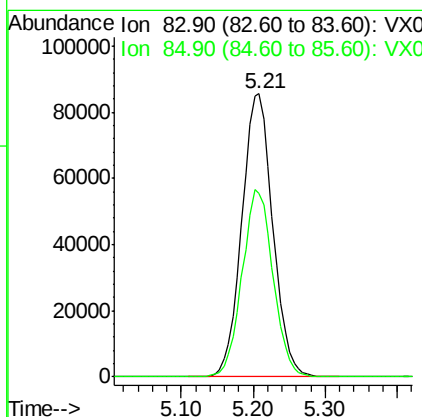
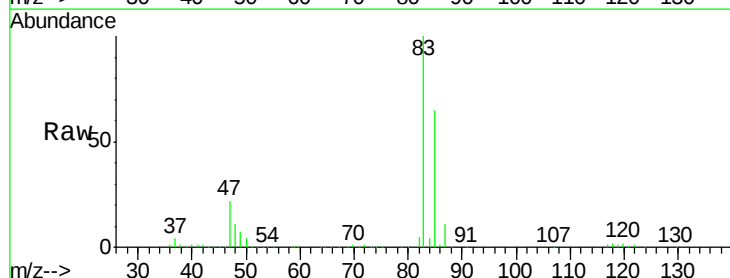
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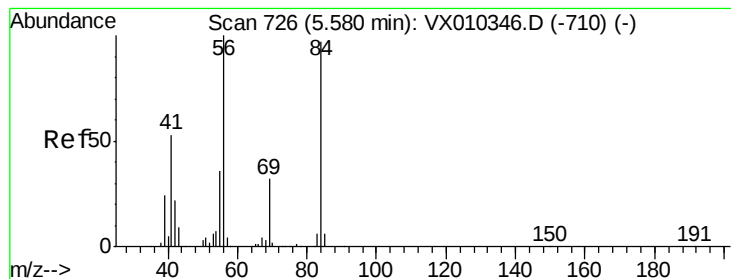
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#30
Chloroform
Concen: 52.682 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX010351.D
Acq: 20 Jun 2019 10:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	50.9	76.3





#31

Cyclohexane

Concen: 55.011 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX010351.D

Acq: 20 Jun 2019 10:48

Instrument :

MSVOA_X

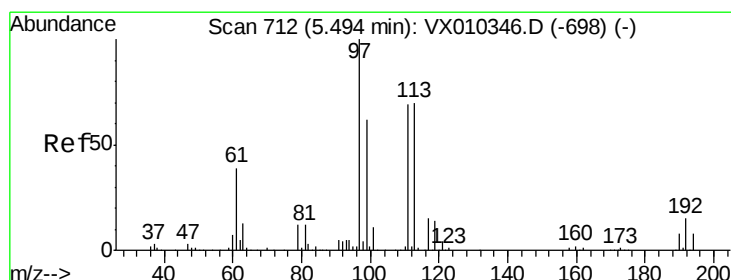
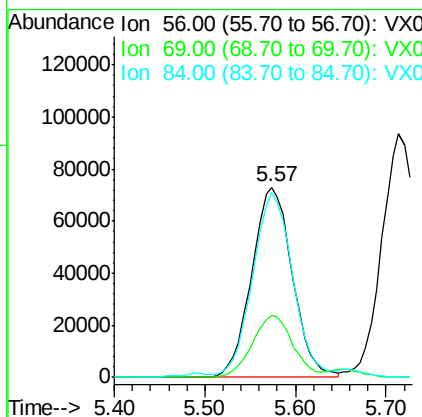
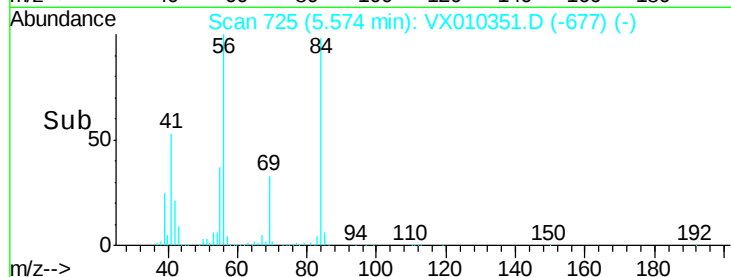
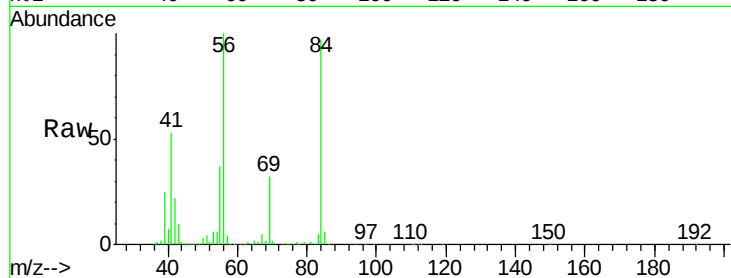
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.5	25.9	38.9
84	95.9	78.0	117.0

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#32

1,1,1-Trichloroethane

Concen: 54.099 ug/l

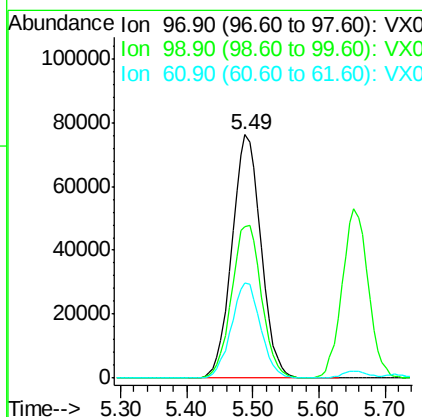
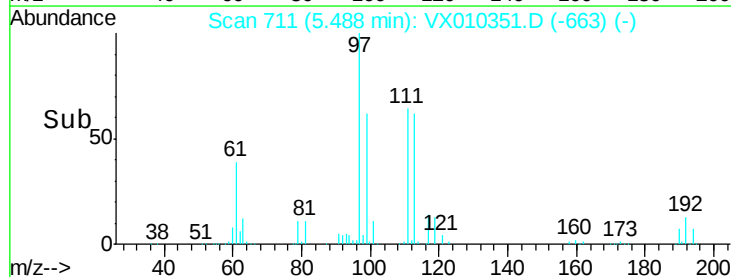
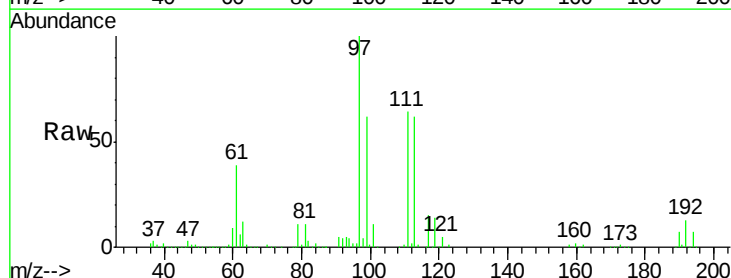
RT: 5.49 min Scan# 711

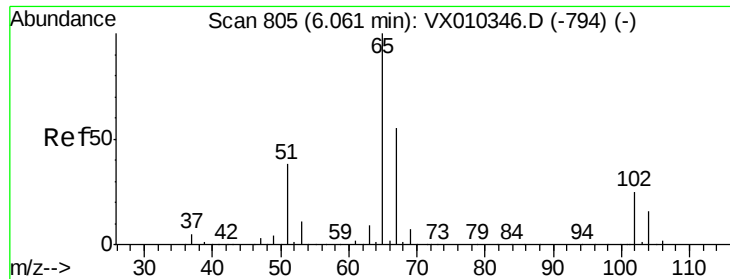
Delta R.T. -0.01 min

Lab File: VX010351.D

Acq: 20 Jun 2019 10:48

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.8	77.8
61	39.6	32.1	48.1





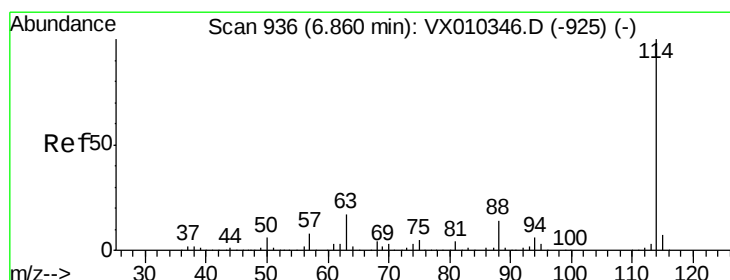
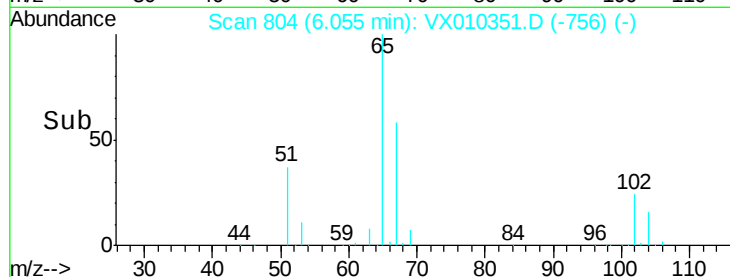
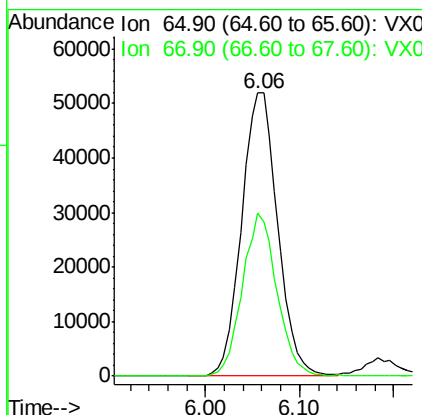
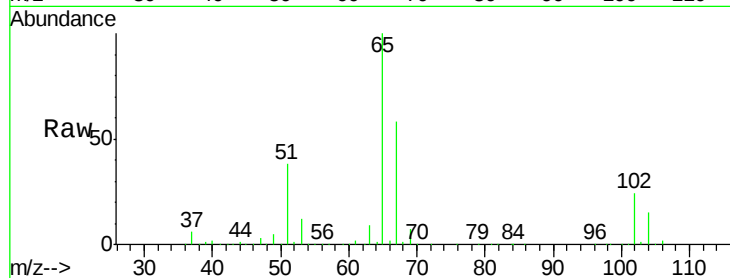
#33
 1,2-Dichloroethane-d4
 Concen: 49.020 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: VX010351.D
 Acq: 20 Jun 2019 10:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.0	0.0	110.2

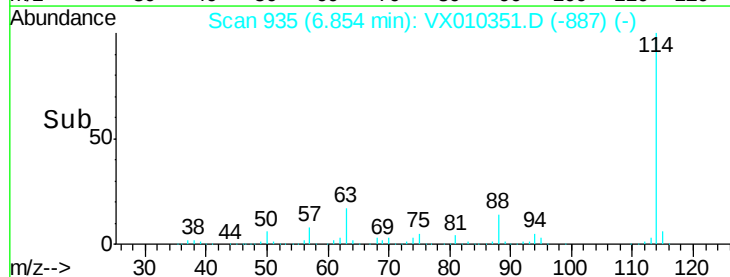
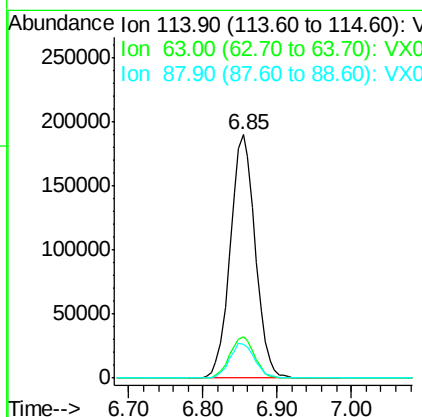
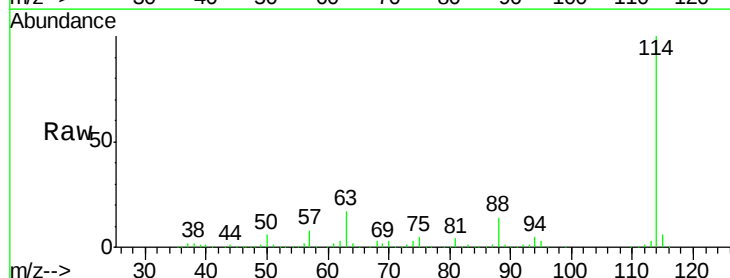
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX010351.D
 Acq: 20 Jun 2019 10:48

Tgt Ion	Ratio	Lower	Upper
114	100		
63	16.9	0.0	33.8
88	13.9	0.0	27.6





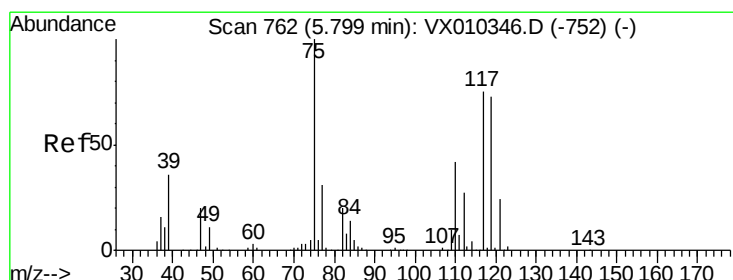
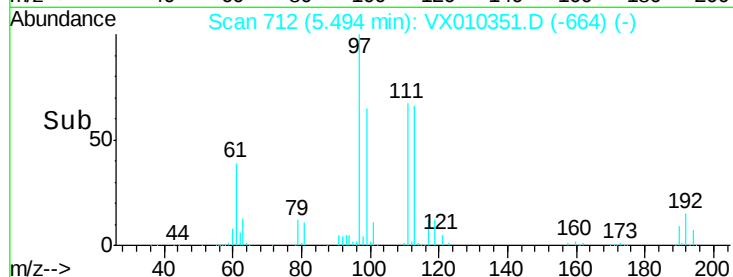
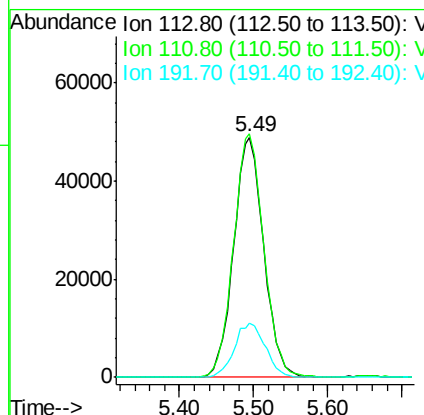
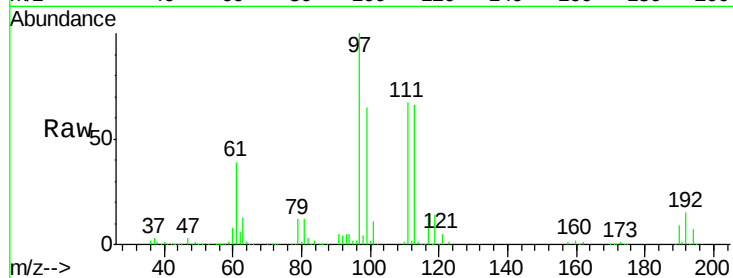
#35
 Dibromofluoromethane
 Concen: 51.010 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VX010351.D
 Acq: 20 Jun 2019 10:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	138379		
111	101.8	81.2	121.8	
192	23.4	18.6	27.8	

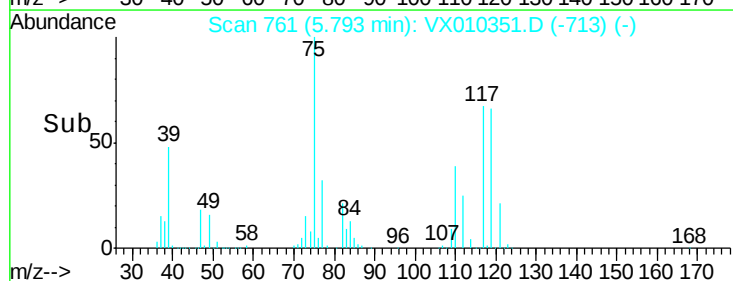
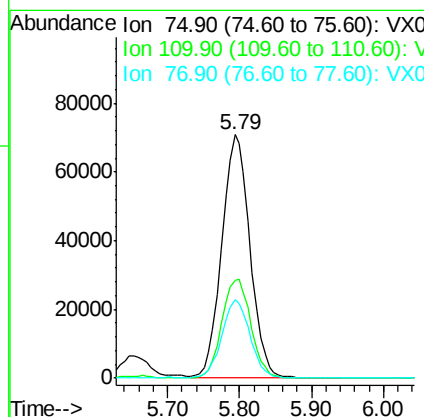
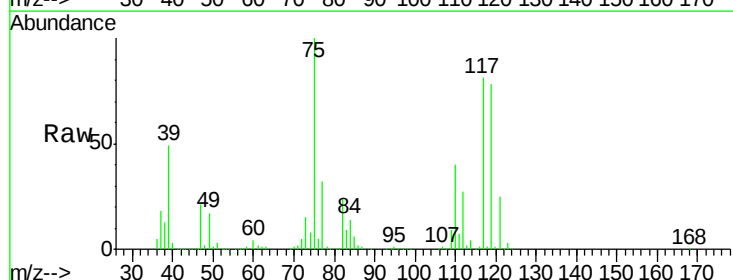
Manual Integrations
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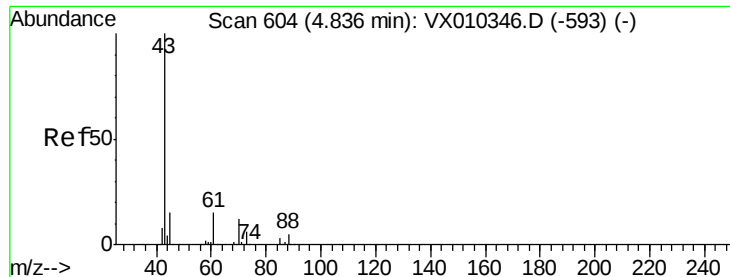
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#36
 1,1-Dichloropropene
 Concen: 54.417 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: VX010351.D
 Acq: 20 Jun 2019 10:48

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	191731		
110	42.0	20.8	62.2	
77	32.3	25.4	38.0	





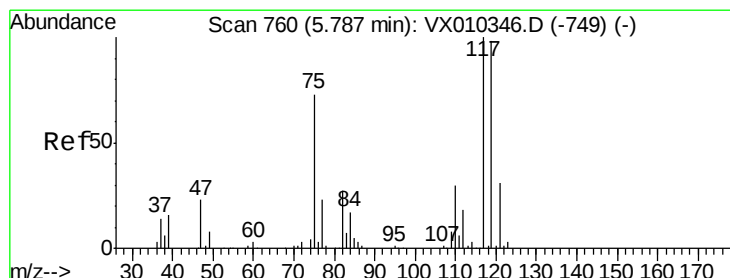
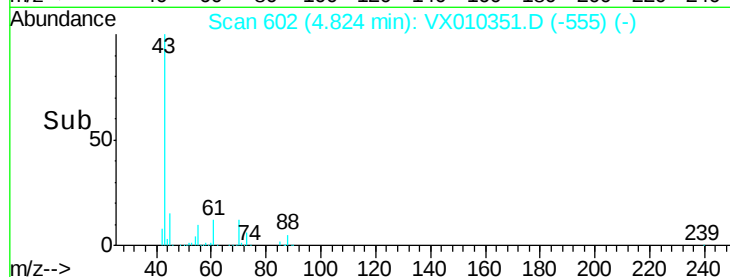
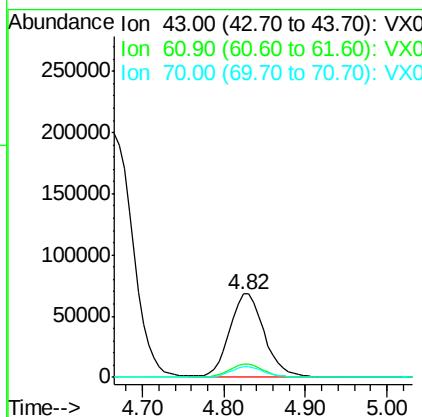
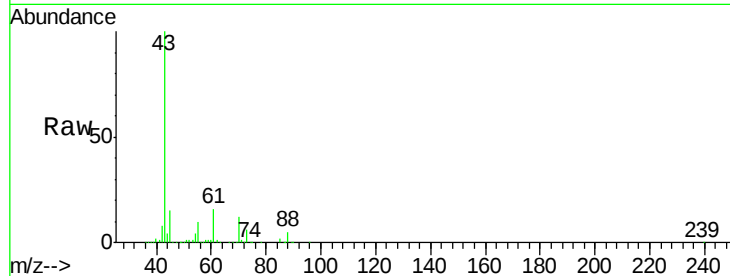
#37
Ethyl Acetate
Concen: 54.936 ug/l
RT: 4.82 min Scan# 602
Delta R.T. -0.01 min
Lab File: VX010351.D
Acq: 20 Jun 2019 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	43	Resp:	199125
Ion	Ratio	Lower	Upper
43	100		
61	15.6	12.4	18.6
70	12.5	9.8	14.8

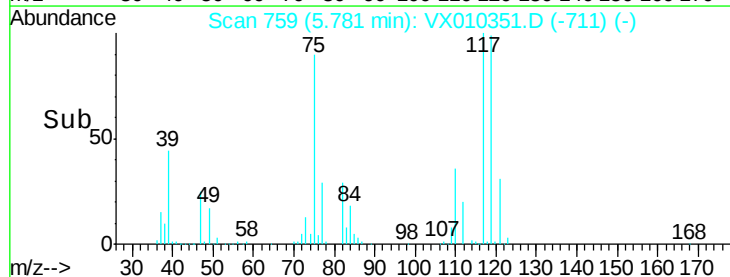
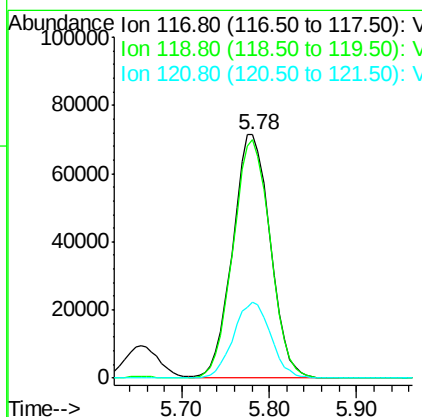
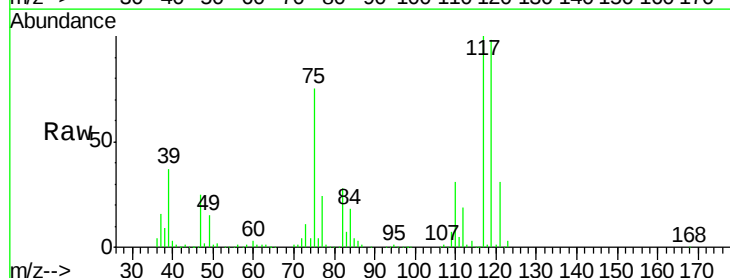
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#38
Carbon Tetrachloride
Concen: 55.767 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX010351.D
Acq: 20 Jun 2019 10:48

Tgt Ion:	117	Resp:	212769
Ion	Ratio	Lower	Upper
117	100		
119	98.2	78.2	117.4
121	31.3	24.7	37.1





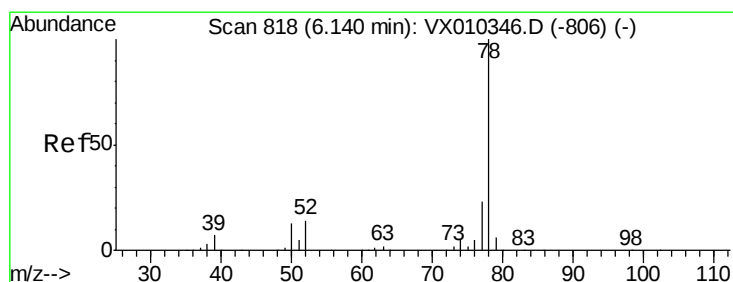
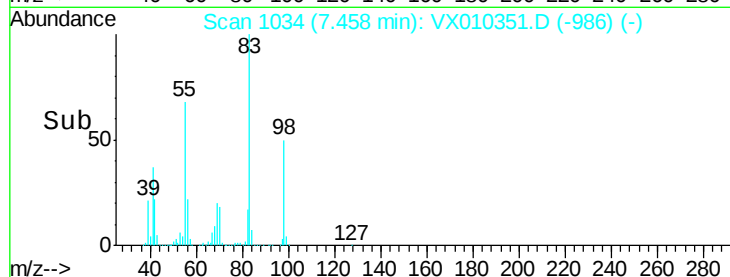
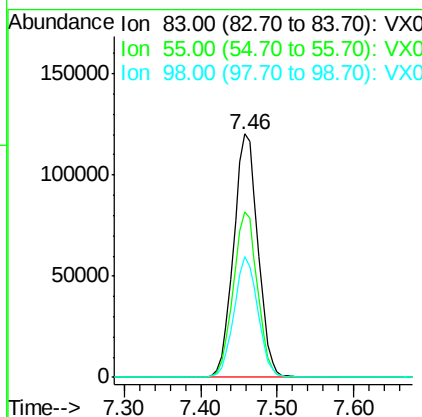
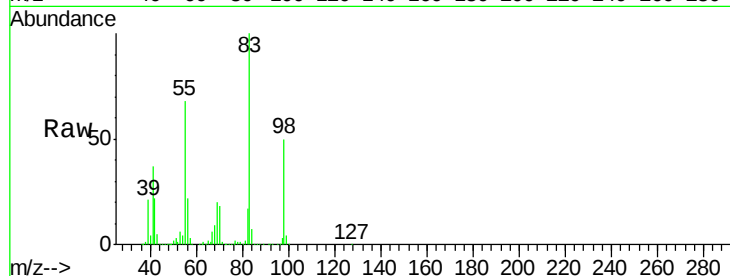
#39
Methylvlcyclohexane
Concen: 57.164 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX010351.D
Acq: 20 Jun 2019 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.0	53.0	79.6
98	49.6	37.8	56.8

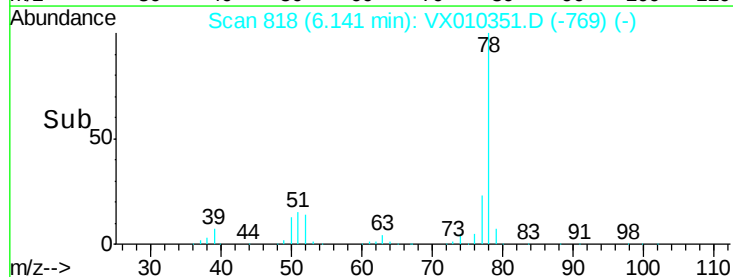
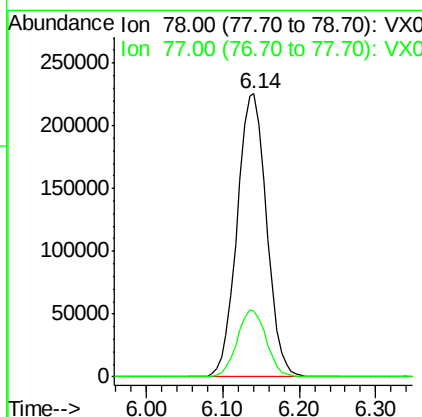
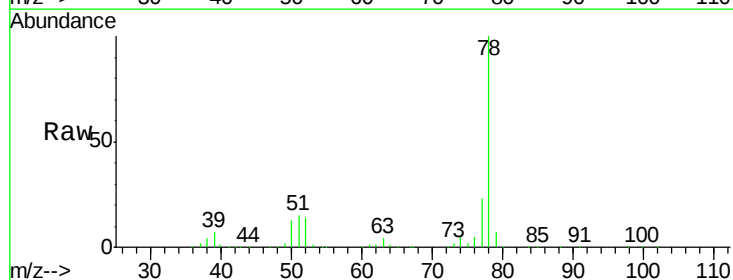
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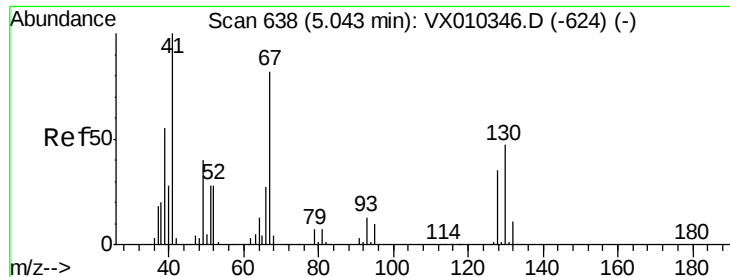
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#40
Benzene
Concen: 54.805 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX010351.D
Acq: 20 Jun 2019 10:48

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.6	28.0





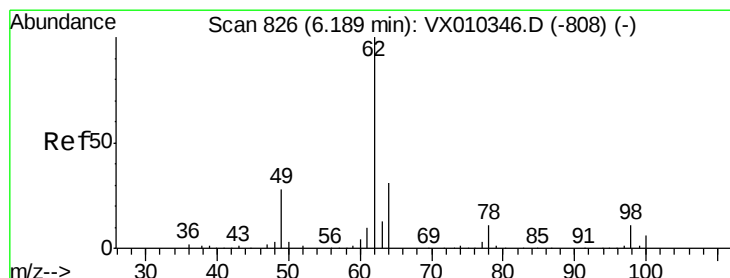
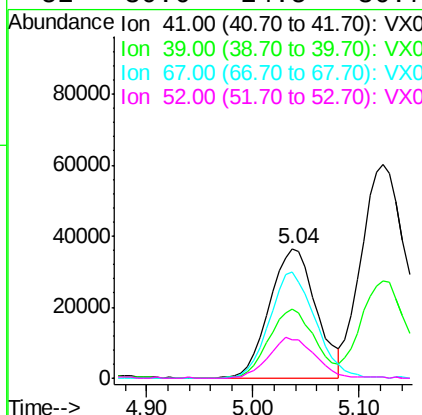
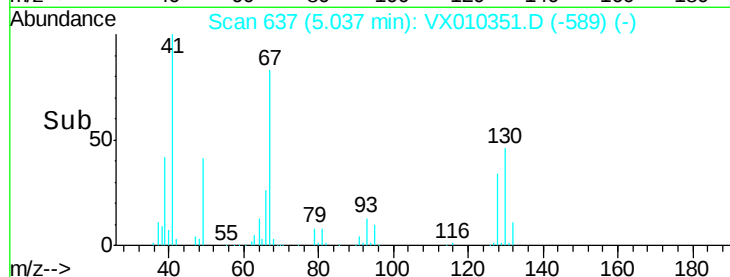
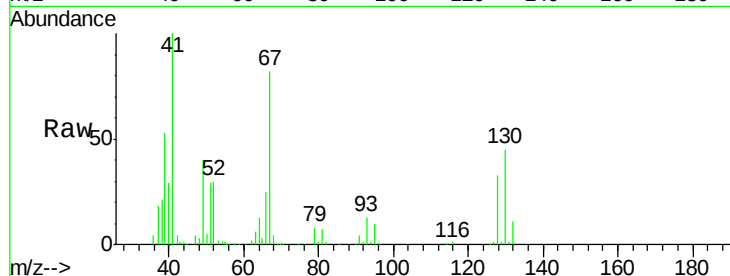
#41
Methacrylonitrile
Concen: 55.492 ug/l
RT: 5.04 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX010351.D
Acq: 20 Jun 2019 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	110363
Ion Ratio	Lower	Upper	
41	100		
39	52.9	43.8	65.8
67	80.9	66.6	100.0
52	30.6	24.5	36.7

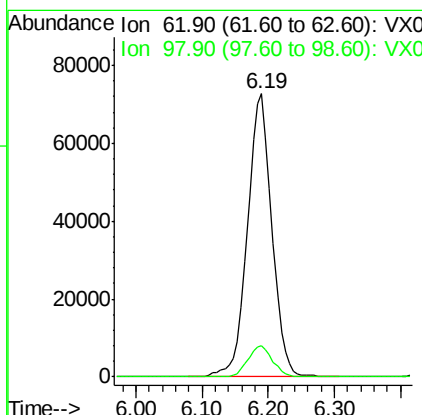
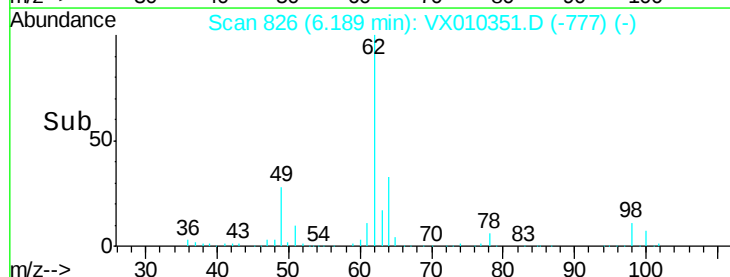
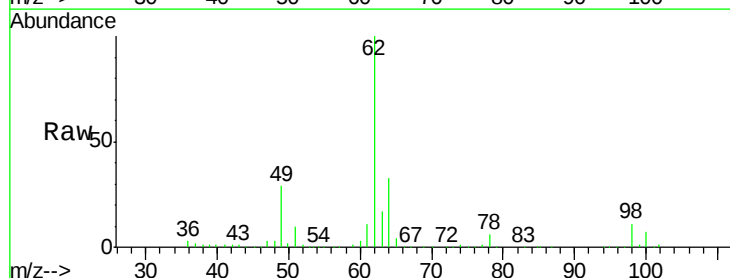
Manual Integrations
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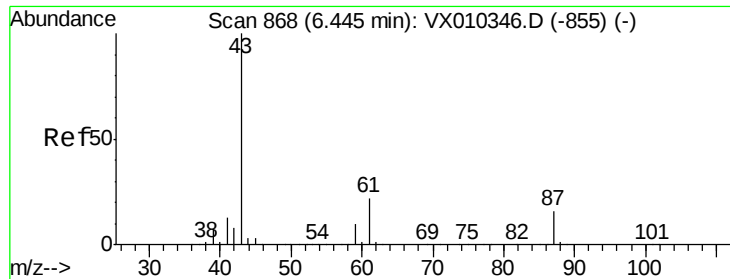
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#42
1,2-Dichloroethane
Concen: 55.952 ug/l
RT: 6.19 min Scan# 826
Delta R.T. 0.00 min
Lab File: VX010351.D
Acq: 20 Jun 2019 10:48

Tgt Ion	62	Resp	186955
Ion Ratio	Lower	Upper	
62	100		
98	11.1	0.0	22.2





#43

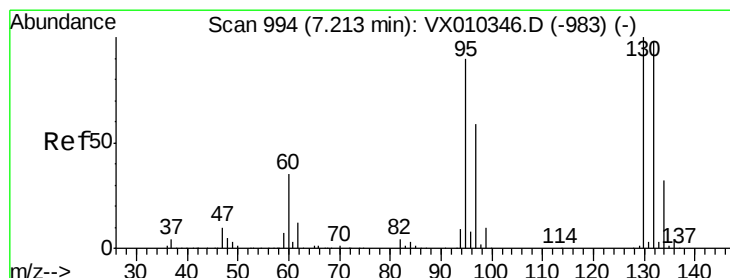
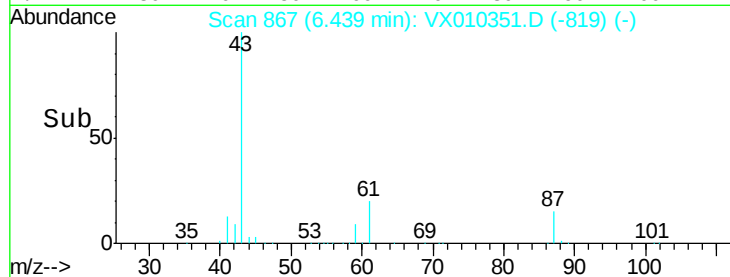
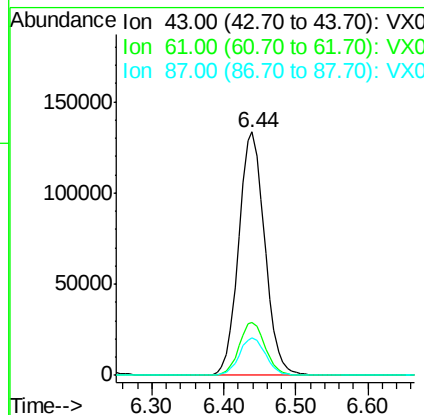
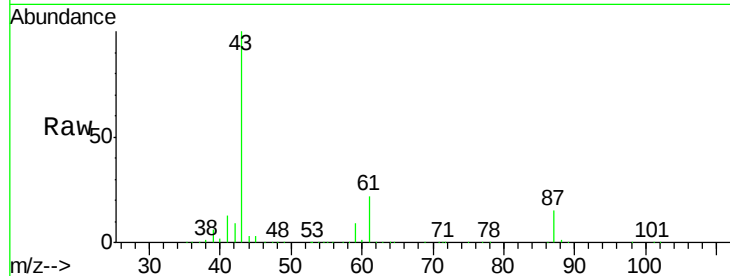
Isopropyl Acetate
 Concen: 55.754 ug/l
 RT: 6.44 min Scan# 867
 Delta R.T. -0.01 min
 Lab File: VX010351.D
 Acq: 20 Jun 2019 10:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.8	17.8	26.6
87	15.7	13.0	19.4

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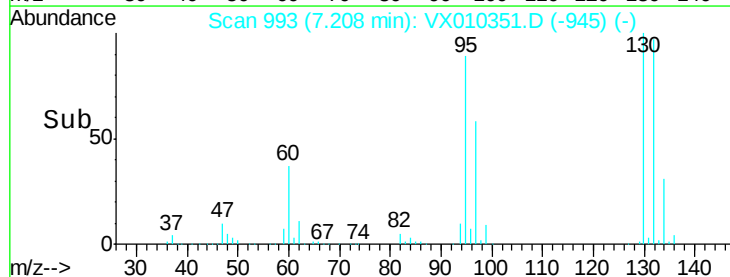
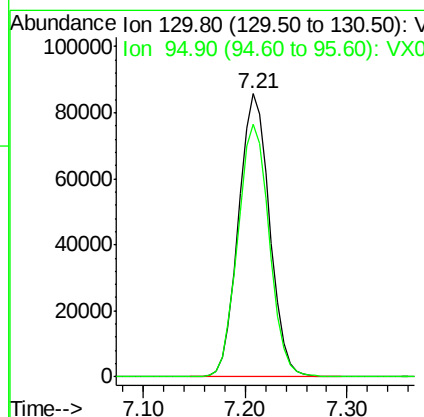
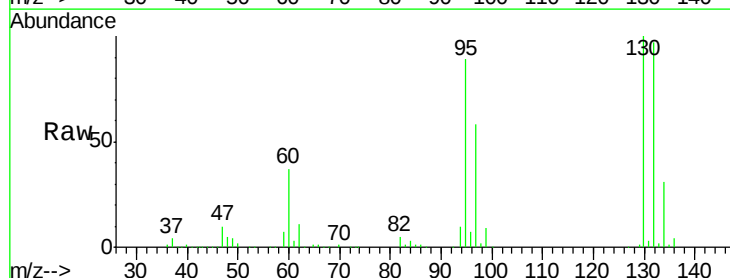
MMDadoda
 6/21/2019 11:34:55 AM

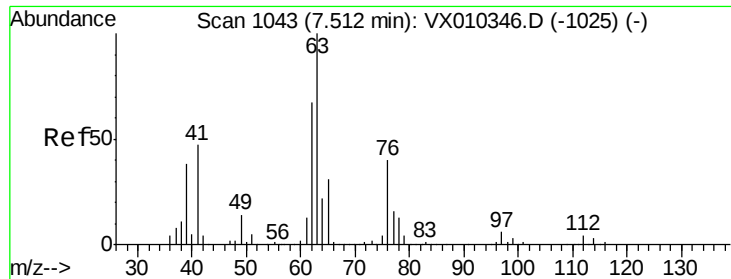


#44

Trichloroethene
 Concen: 55.098 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: VX010351.D
 Acq: 20 Jun 2019 10:48

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.5	0.0	180.8





#45

1,2-Dichloropropane

Concen: 54.472 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX010351.D

Acq: 20 Jun 2019 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 150996

Ion Ratio Lower Upper

63 100

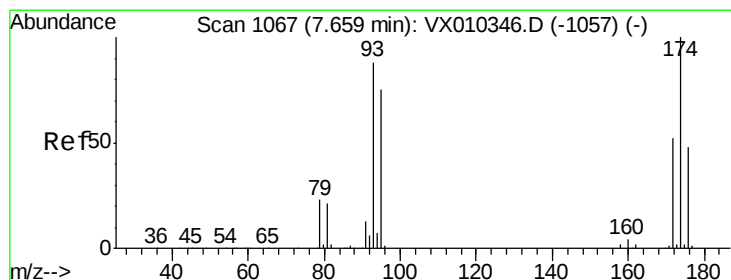
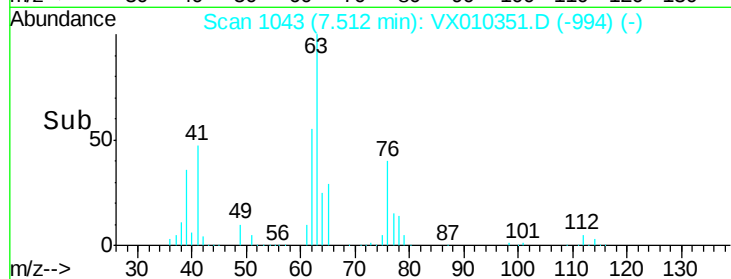
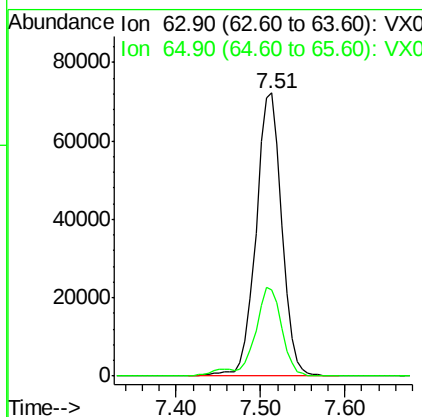
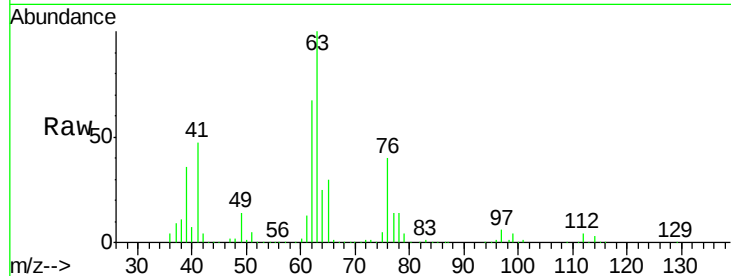
65 30.3 24.8 37.2

Manual Integrations

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#46

Dibromomethane

Concen: 55.442 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX010351.D

Acq: 20 Jun 2019 10:48

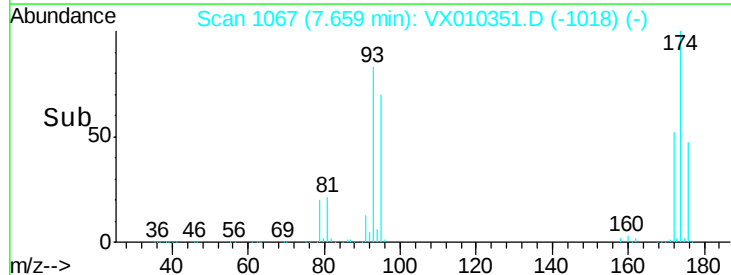
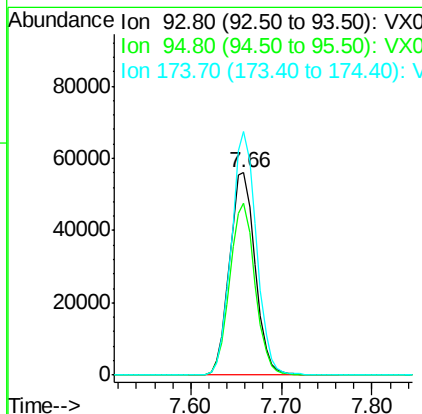
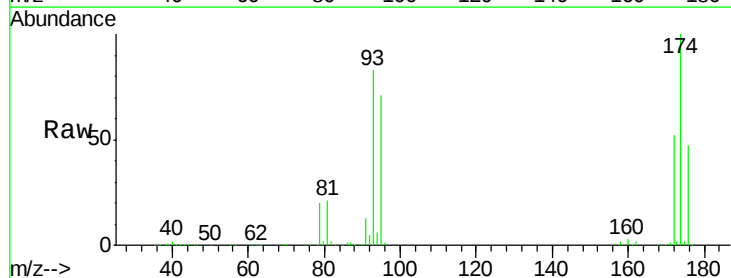
Tgt Ion: 93 Resp: 110264

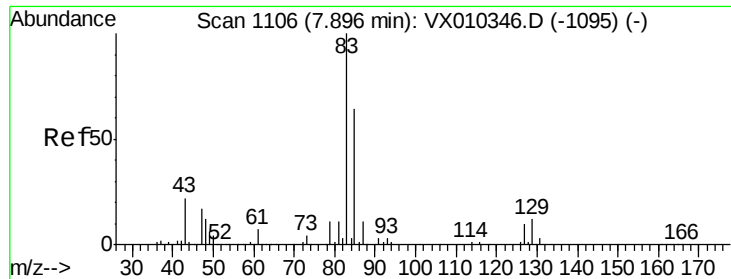
Ion Ratio Lower Upper

93 100

95 83.3 67.5 101.3

174 118.0 95.8 143.6





#47

Bromodichloromethane

Concen: 56.537 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX010351.D

Acq: 20 Jun 2019 10:48

Instrument :

MSVOA_X

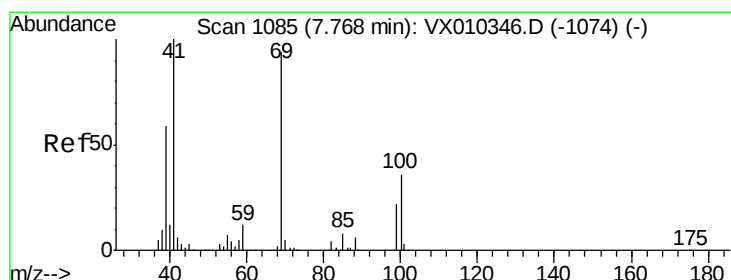
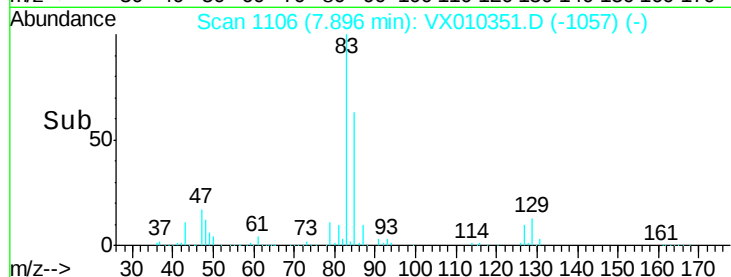
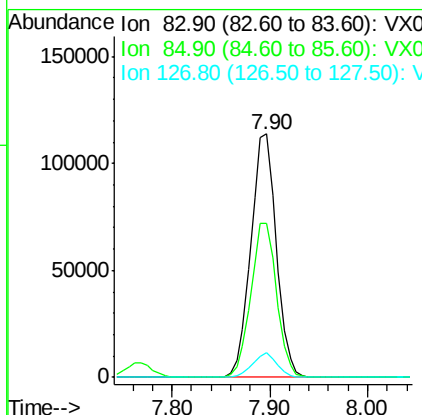
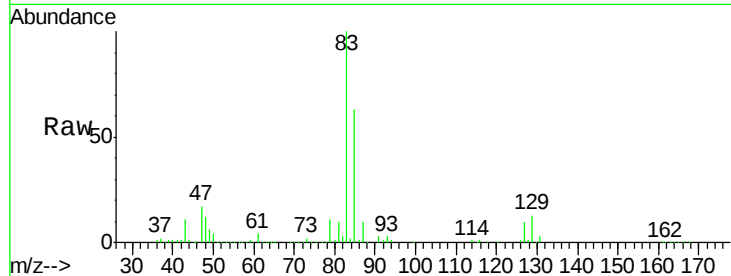
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	206063
Ion Ratio	Lower	Upper	
83	100		
85	63.1	51.5	77.3
127	9.9	7.8	11.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 56.123 ug/l

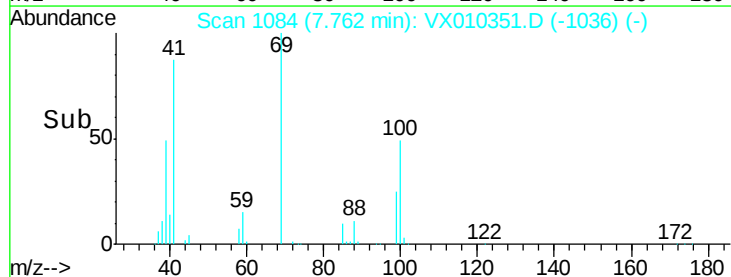
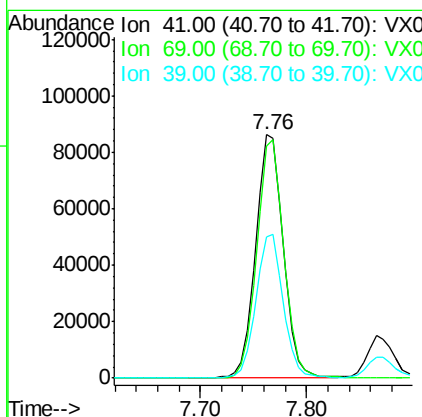
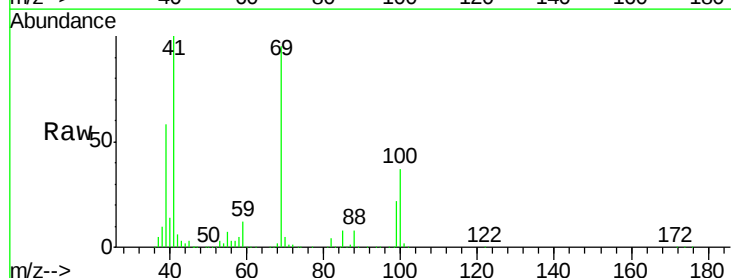
RT: 7.76 min Scan# 1084

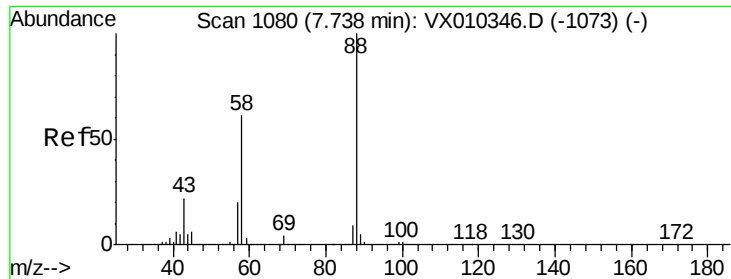
Delta R.T. -0.01 min

Lab File: VX010351.D

Acq: 20 Jun 2019 10:48

Tgt Ion:	41	Resp:	156442
Ion Ratio	Lower	Upper	
41	100		
69	96.1	76.1	114.1
39	58.4	47.6	71.4





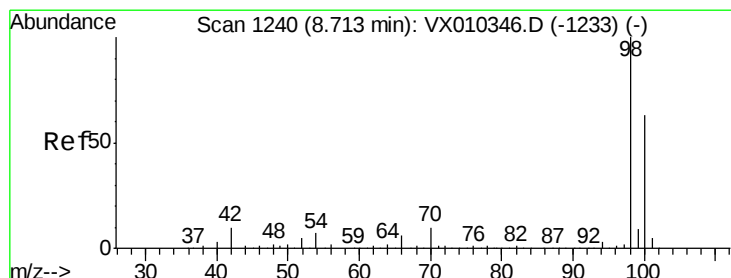
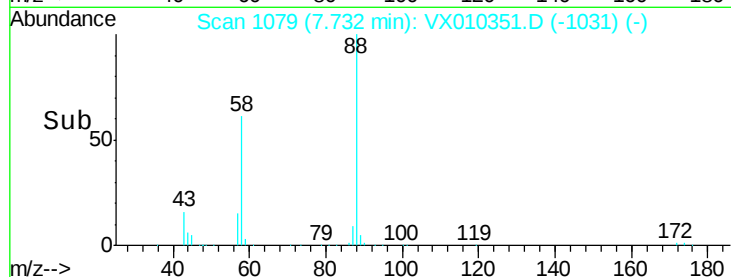
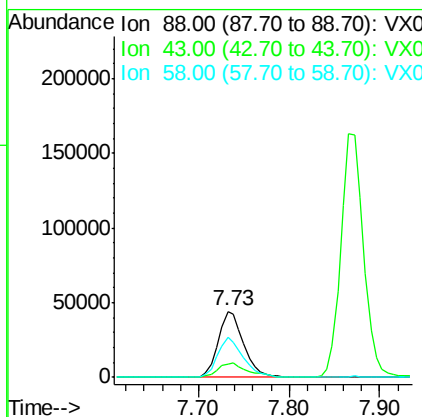
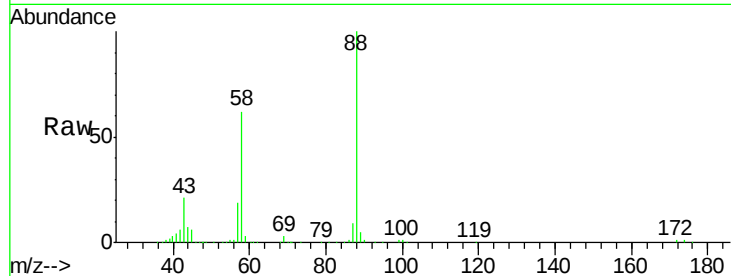
#49
1,4-Dioxane
Concen: 1072.668 ug/l
RT: 7.73 min Scan# 1079
Delta R.T. -0.01 min
Lab File: VX010351.D
Acq: 20 Jun 2019 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	25.5	20.2	30.2
58	61.6	49.5	74.3

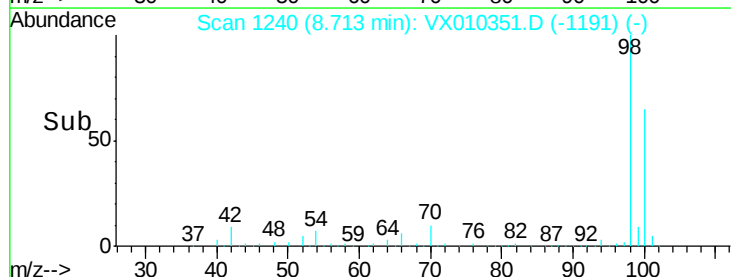
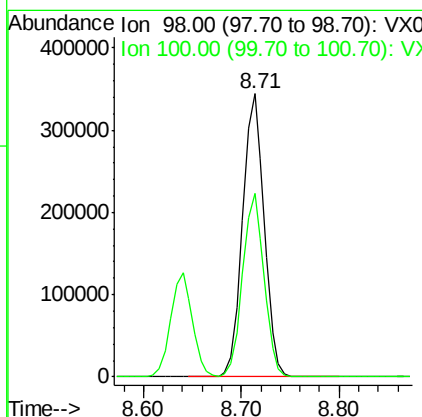
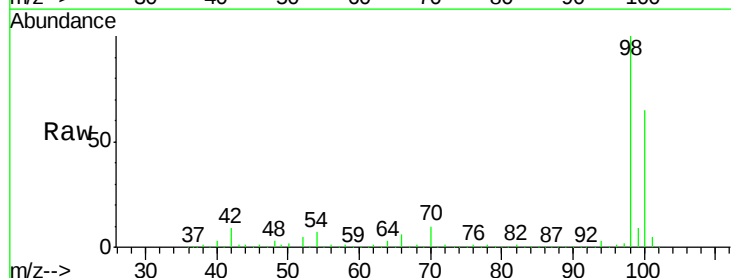
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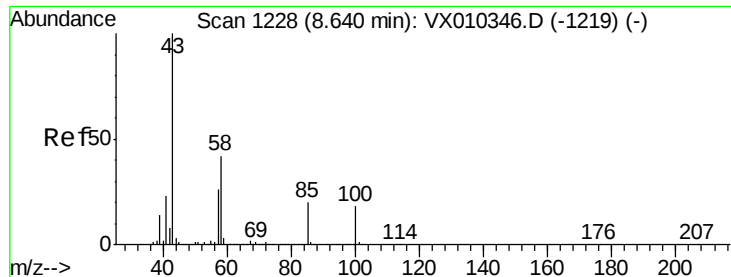
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#50
Toluene-d8
Concen: 50.833 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010351.D
Acq: 20 Jun 2019 10:48

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 273.181 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX010351.D

Acq: 20 Jun 2019 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1047766

Ion Ratio Lower Upper

43 100

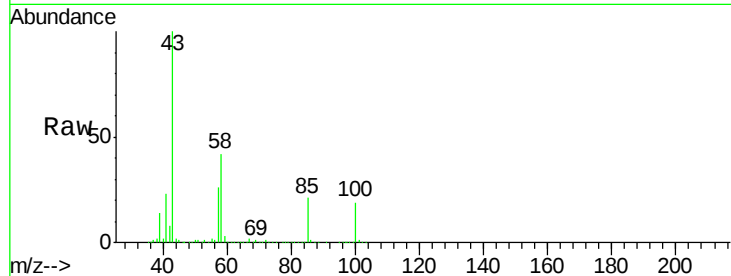
58 41.8 33.5 50.3

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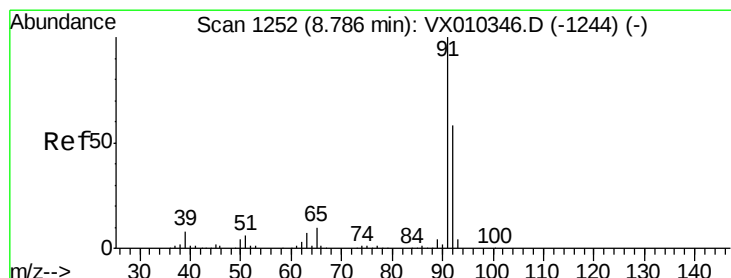
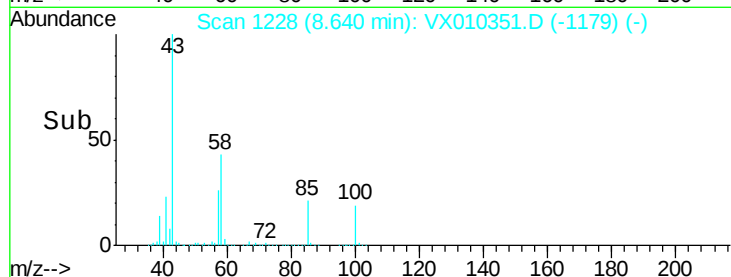
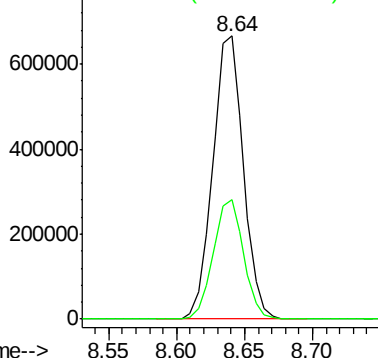
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 55.070 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX010351.D

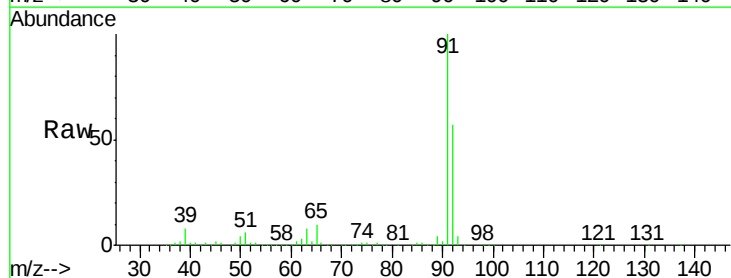
Acq: 20 Jun 2019 10:48

Tgt Ion: 92 Resp: 398080

Ion Ratio Lower Upper

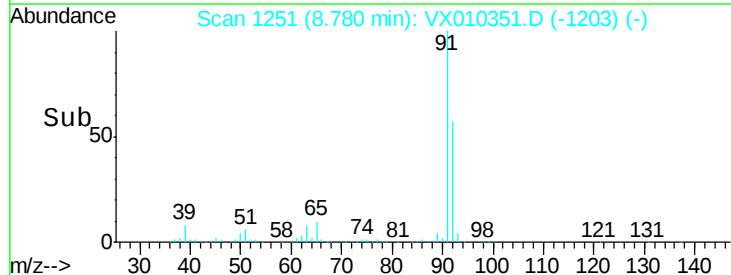
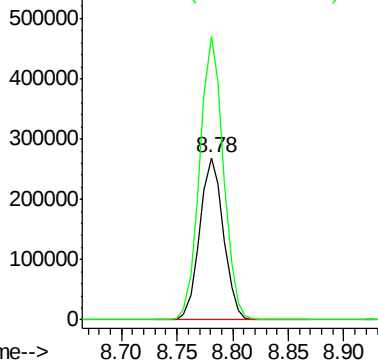
92 100

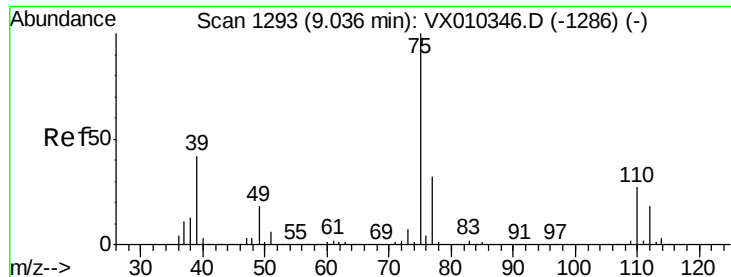
91 174.5 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





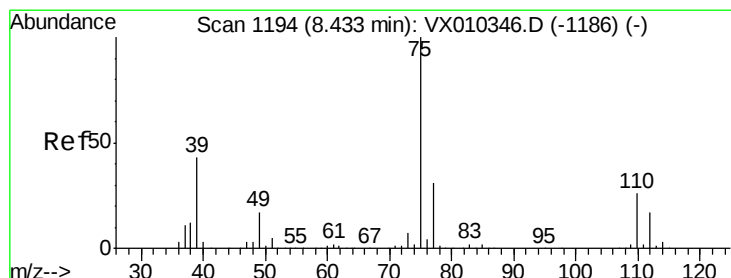
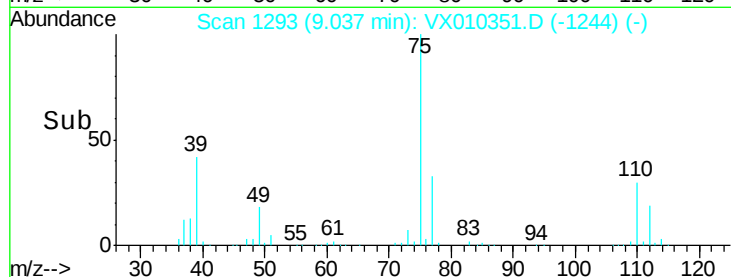
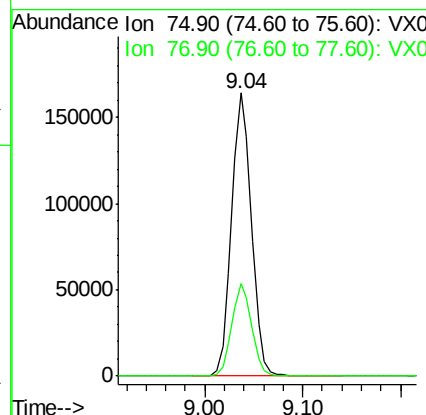
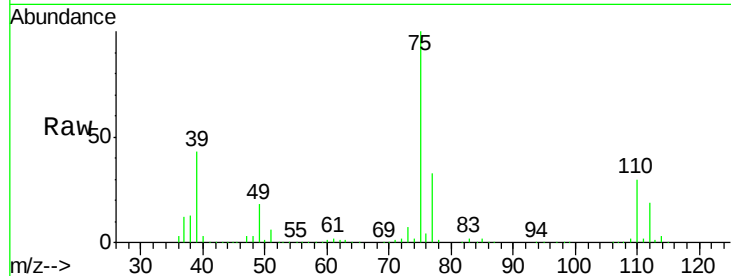
#53
t-1,3-Dichloropropene
Concen: 56.819 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX010351.D
Acq: 20 Jun 2019 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 232178
Ion Ratio Lower Upper
75 100
77 32.6 25.4 38.2

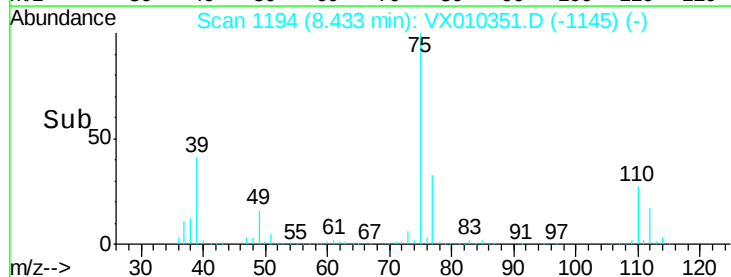
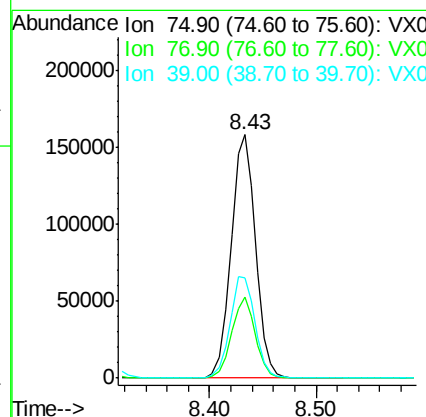
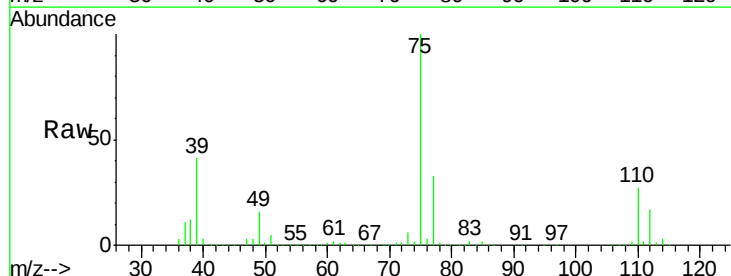
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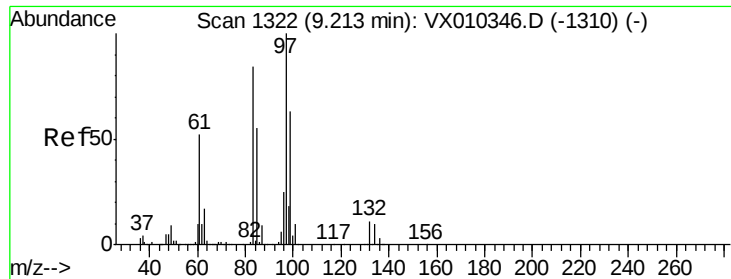
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#54
cis-1,3-Dichloropropene
Concen: 57.131 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX010351.D
Acq: 20 Jun 2019 10:48

Tgt Ion: 75 Resp: 253697
Ion Ratio Lower Upper
75 100
77 33.1 25.2 37.8
39 40.9 34.5 51.7





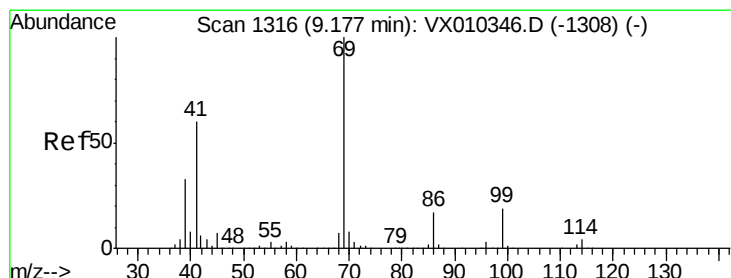
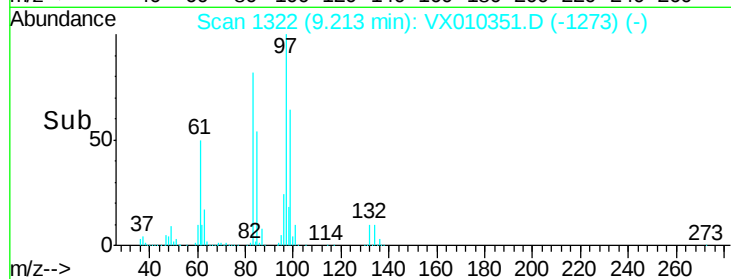
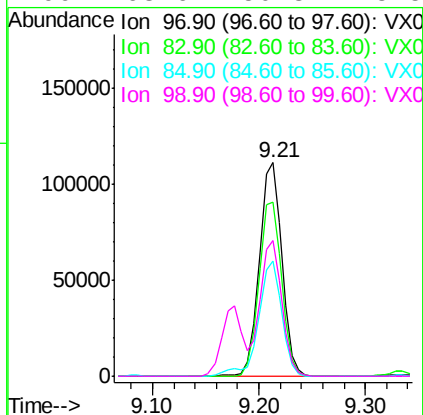
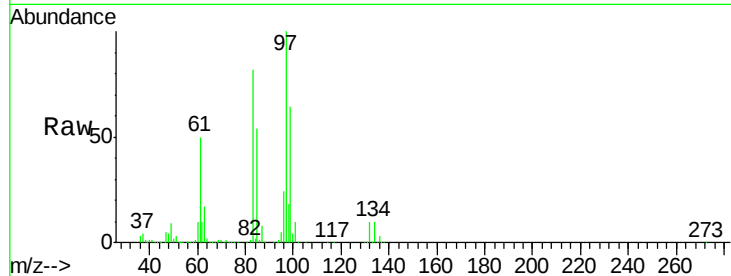
#55
 1,1,2-Trichloroethane
 Concen: 55.555 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX010351.D
 Acq: 20 Jun 2019 10:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	165625
Ion Ratio	Lower	Upper	
97	100		
83	81.7	67.4	101.0
85	54.2	43.8	65.8
99	63.6	50.3	75.5

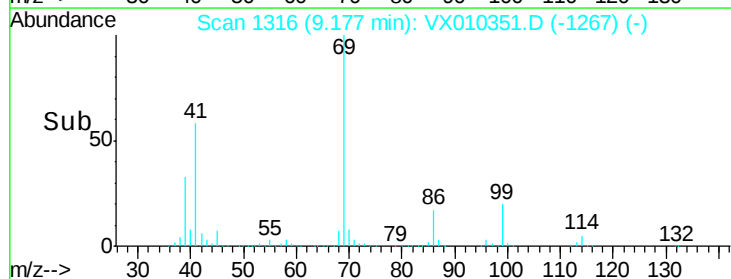
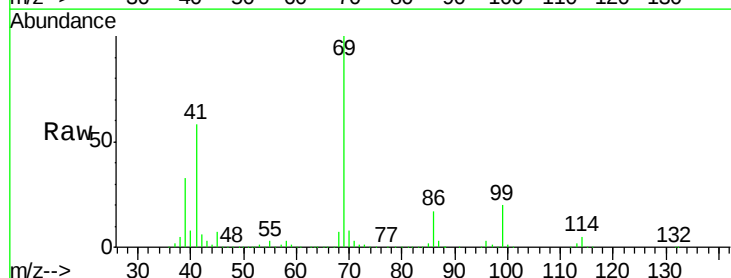
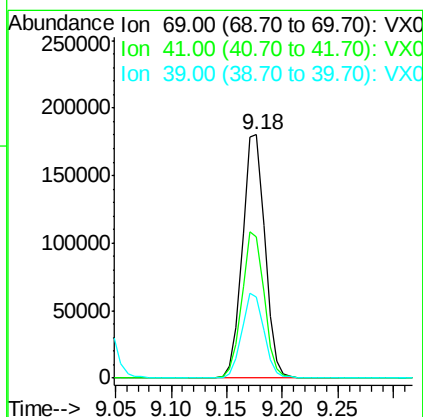
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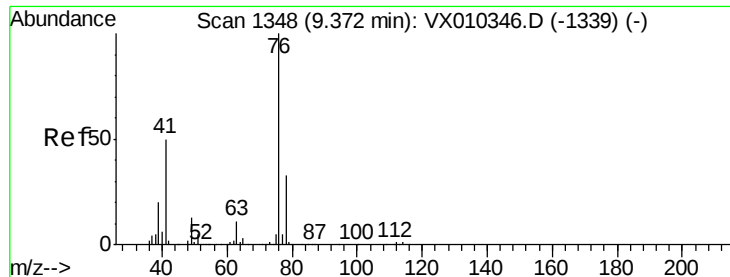
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#56
 Ethyl methacrylate
 Concen: 56.202 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX010351.D
 Acq: 20 Jun 2019 10:48

Tgt Ion:	69	Resp:	253820
Ion Ratio	Lower	Upper	
69	100		
41	59.3	47.1	70.7
39	34.0	26.6	40.0





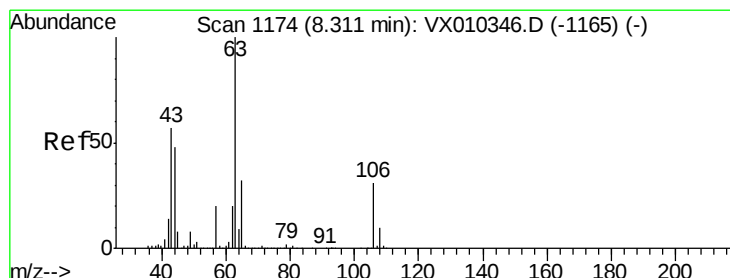
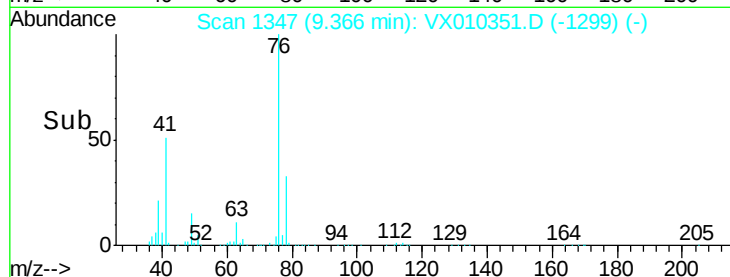
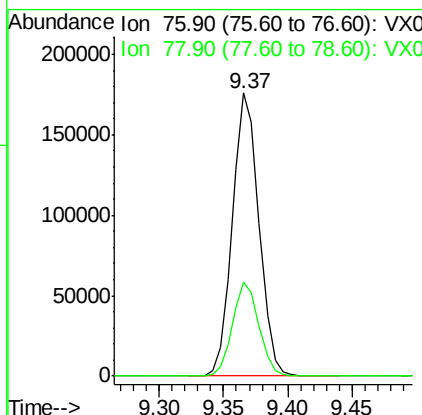
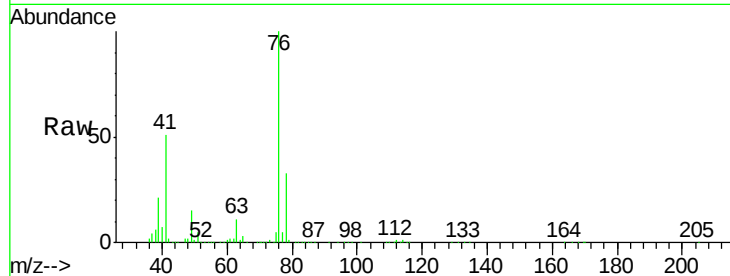
#57
 1,3-Dichloropropane
 Concen: 54.652 ug/l
 RT: 9.37 min Scan# 1347
 Delta R.T. -0.01 min
 Lab File: VX010351.D
 Acq: 20 Jun 2019 10:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.1	26.1	39.1

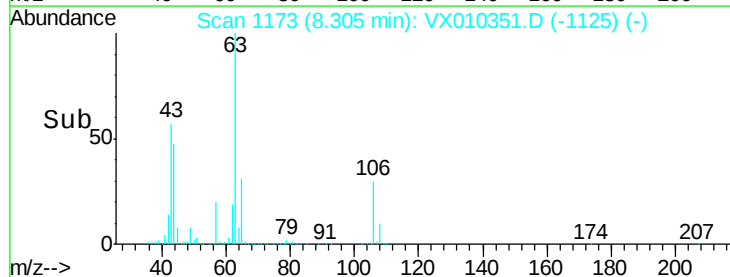
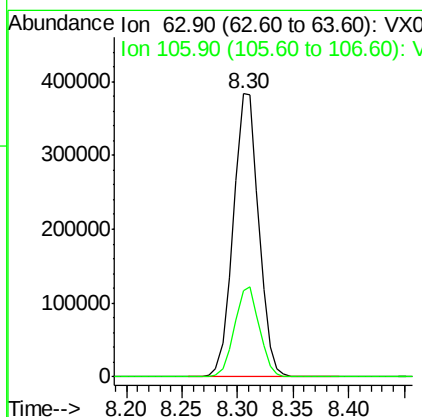
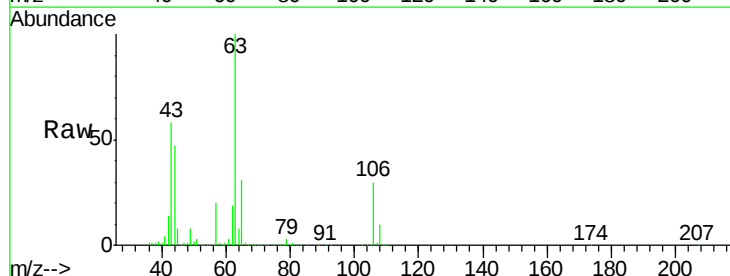
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#58
 2-Chloroethyl Vinyl ether
 Concen: 281.944 ug/l
 RT: 8.30 min Scan# 1173
 Delta R.T. -0.01 min
 Lab File: VX010351.D
 Acq: 20 Jun 2019 10:48

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.3	24.7	37.1





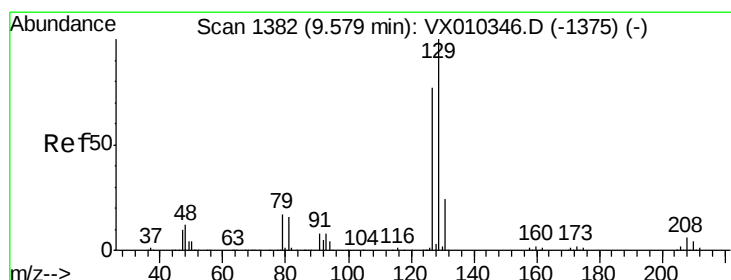
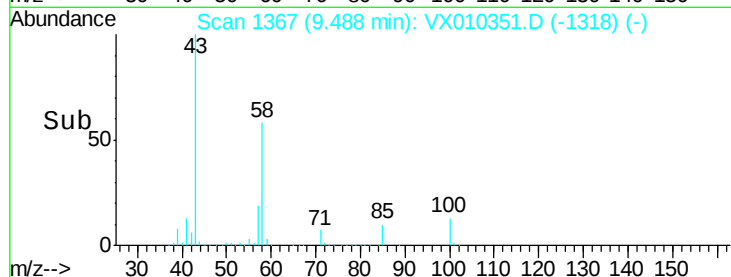
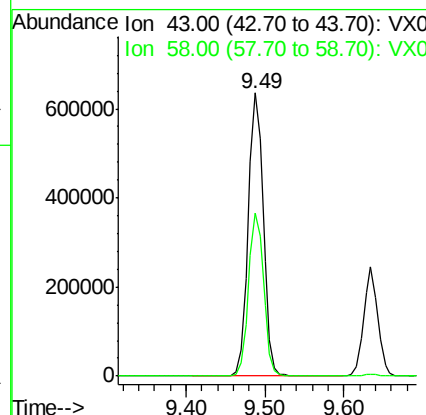
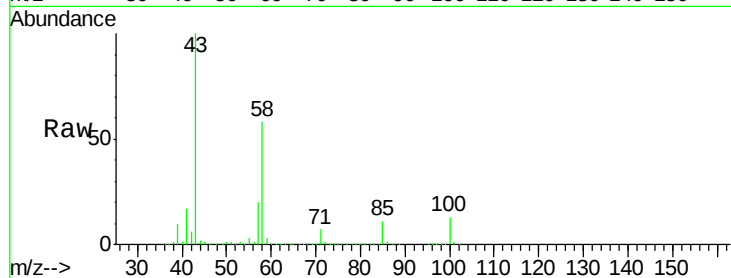
#59
2-Hexanone
Concen: 280.343 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX010351.D
Acq: 20 Jun 2019 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 846248
Ion Ratio Lower Upper
43 100
58 57.9 29.0 87.1

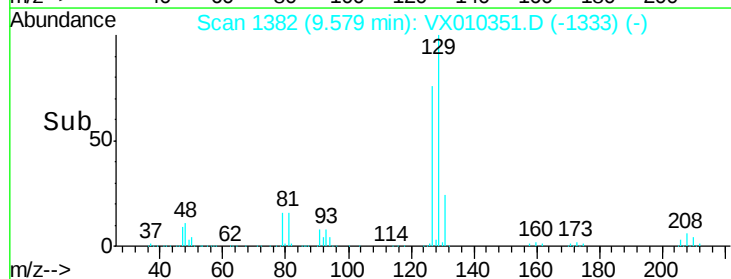
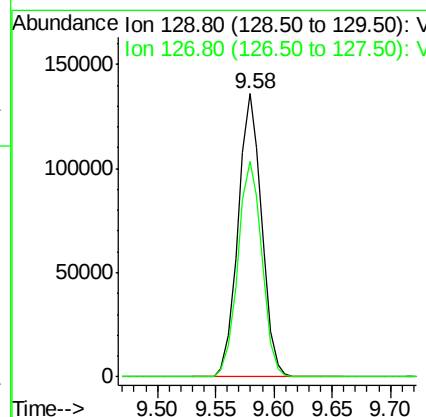
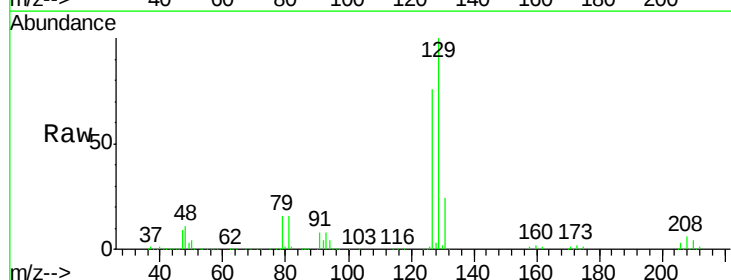
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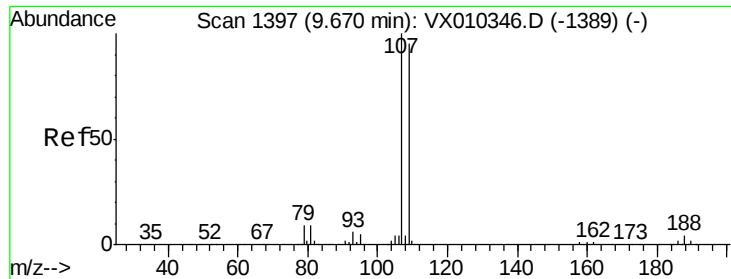
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#60
Dibromochloromethane
Concen: 57.602 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX010351.D
Acq: 20 Jun 2019 10:48

Tgt Ion: 129 Resp: 192275
Ion Ratio Lower Upper
129 100
127 77.3 38.4 115.1





#61

1,2-Dibromoethane

Concen: 55.675 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX010351.D

Acq: 20 Jun 2019 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 179157

Ion Ratio Lower Upper

107 100

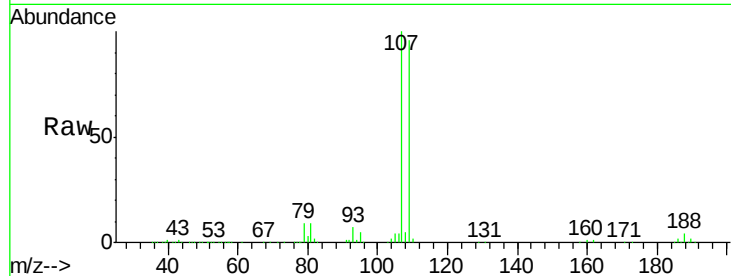
109 95.0 75.8 113.6

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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

150000

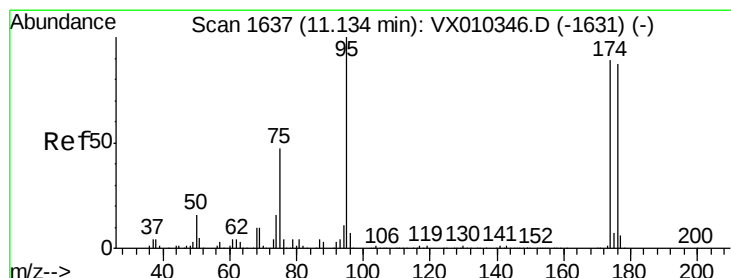
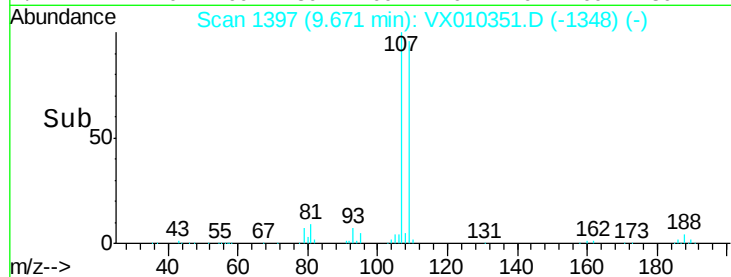
100000

50000

0

Time-->

9.60 9.65 9.70 9.75



#62

4-Bromofluorobenzene

Concen: 51.502 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010351.D

Acq: 20 Jun 2019 10:48

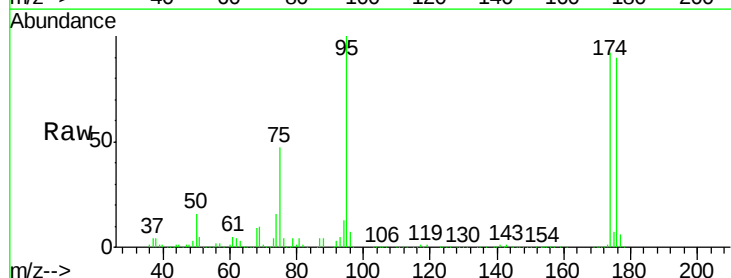
Tgt Ion: 95 Resp: 192974

Ion Ratio Lower Upper

95 100

174 94.8 0.0 187.6

176 91.0 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

200000

150000

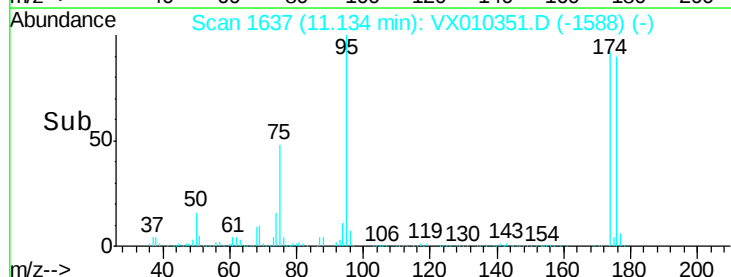
100000

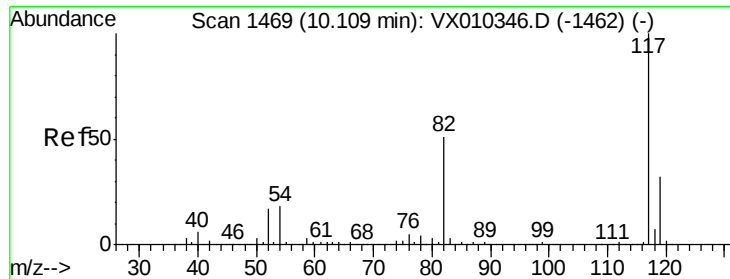
50000

0

Time-->

11.10 11.20





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX010351.D

Acq: 20 Jun 2019 10:48

Instrument :

MSVOA_X

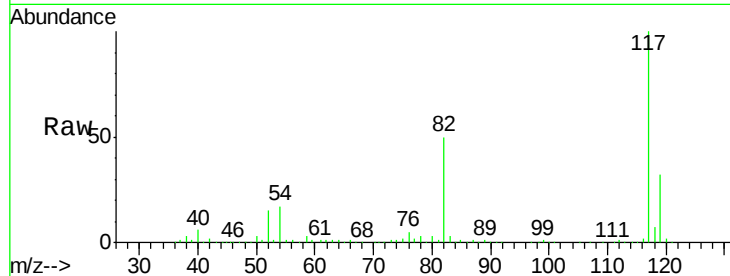
ClientSampleId :

VSTDCCC050

Tot Ion:	117	Resp:	402286
Ion Ratio	Lower	Upper	
117	100		
82	49.7	41.2	61.8
119	32.4	25.5	38.3

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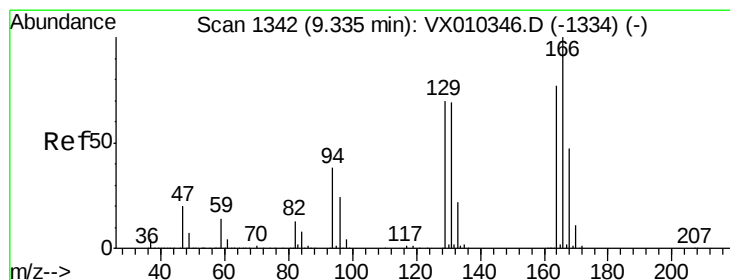
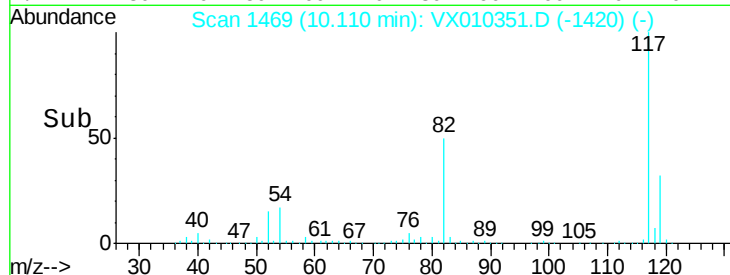
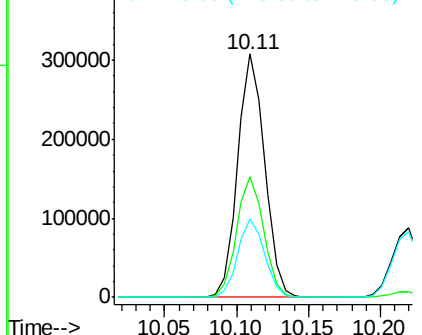


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 53.795 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX010351.D

Acq: 20 Jun 2019 10:48

Tgt Ion:	164	Resp:	175038
Ion Ratio	Lower	Upper	
164	100		
166	127.3	103.6	155.4
129	87.7	73.0	109.4
131	85.8	71.0	106.4

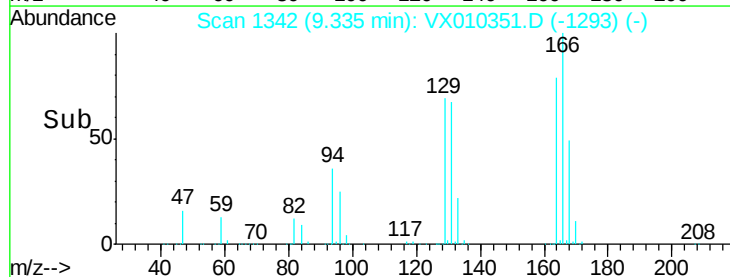
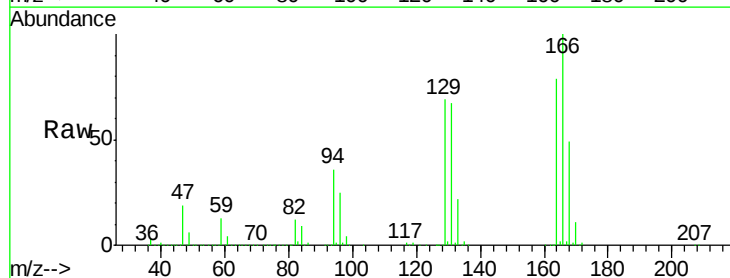
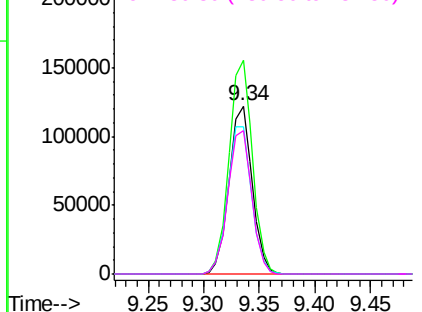
Abundance

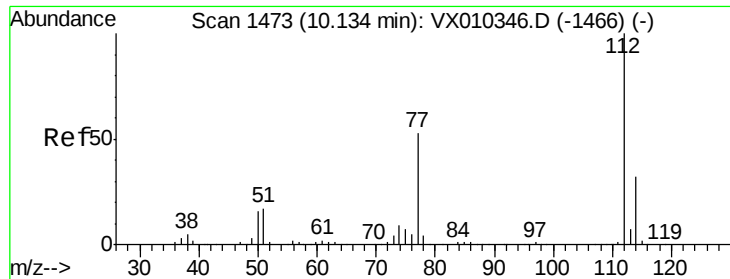
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





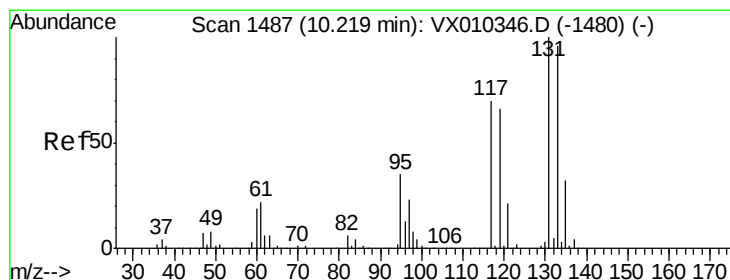
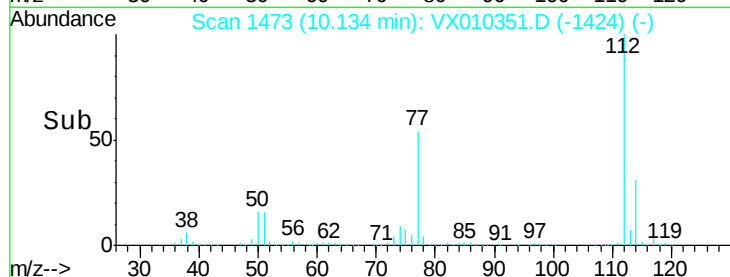
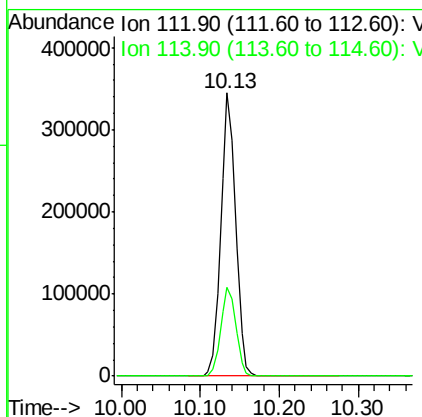
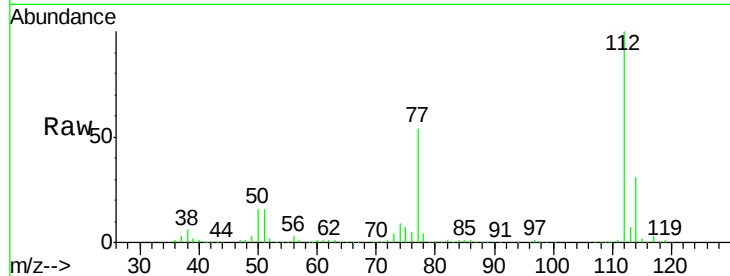
#65
Chlorobenzene
Concen: 55.094 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX010351.D
Acq: 20 Jun 2019 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 449965
Ion Ratio Lower Upper
112 100
114 31.4 25.4 38.2

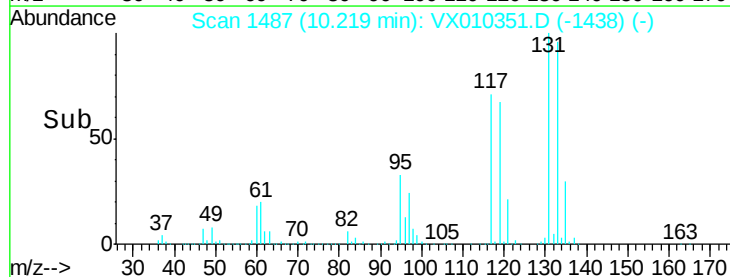
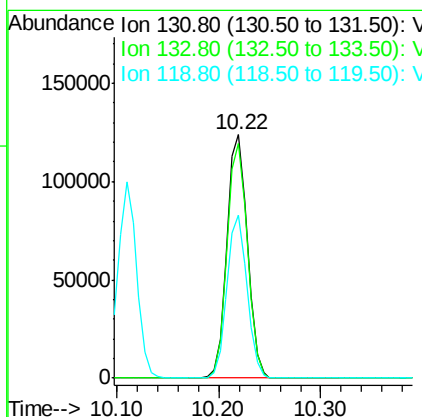
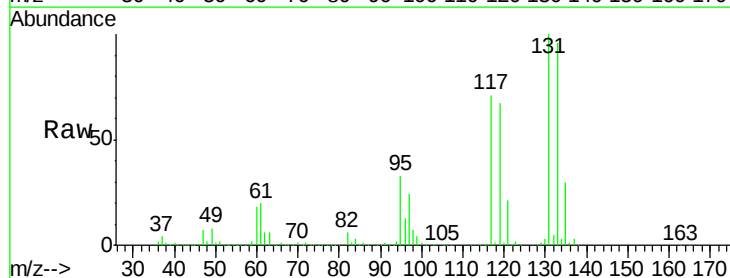
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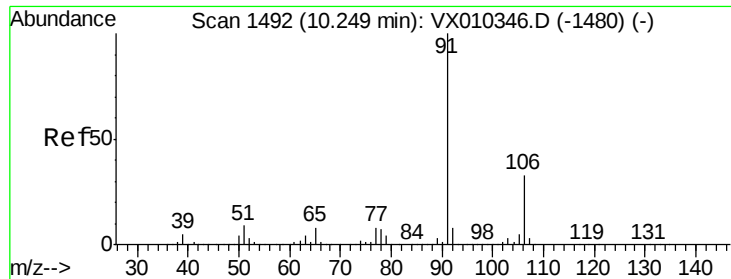
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#66
1,1,1,2-Tetrachloroethane
Concen: 57.375 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX010351.D
Acq: 20 Jun 2019 10:48

Tgt Ion:131 Resp: 170684
Ion Ratio Lower Upper
131 100
133 95.9 47.7 143.1
119 66.1 32.6 97.7





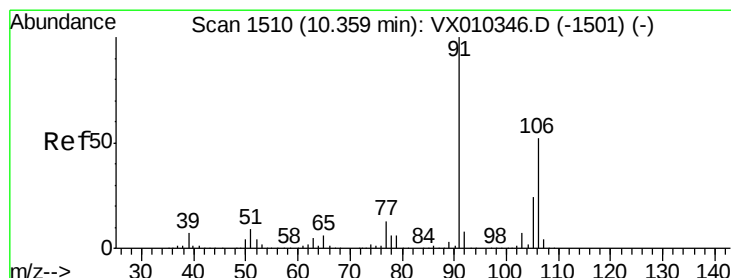
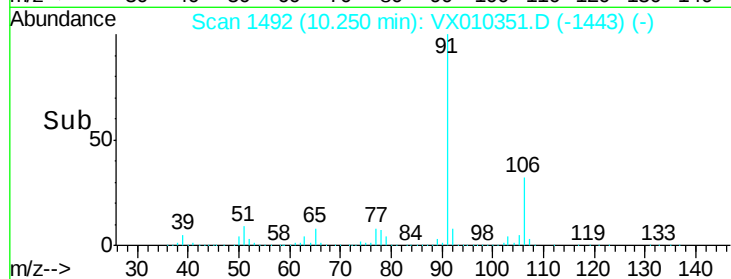
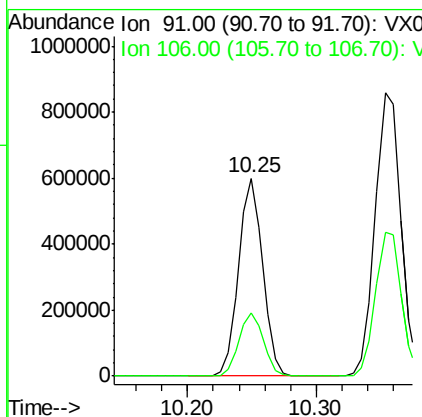
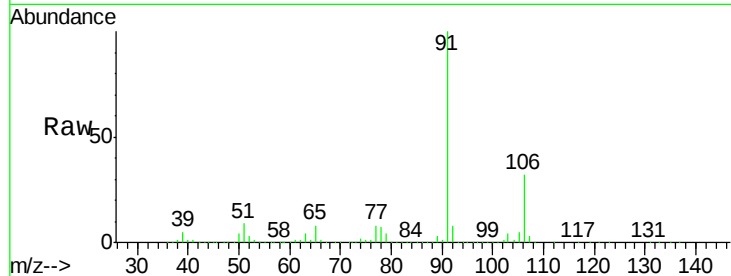
#67
Ethyl Benzene
Concen: 56.304 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX010351.D
Acq: 20 Jun 2019 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 776323
Ion Ratio Lower Upper
91 100
106 32.2 26.2 39.2

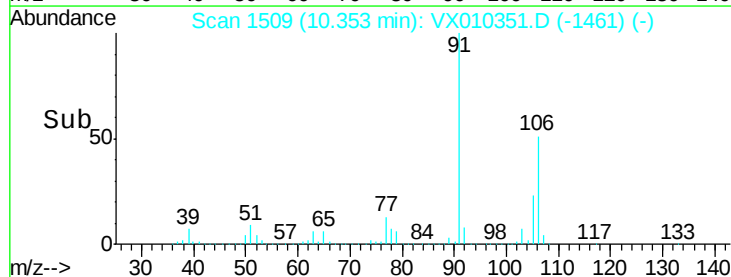
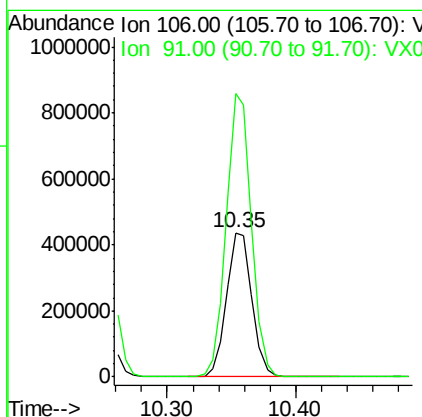
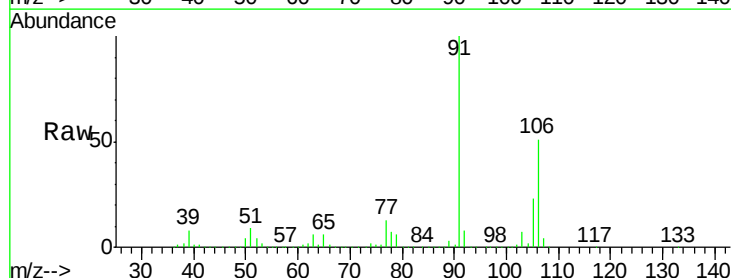
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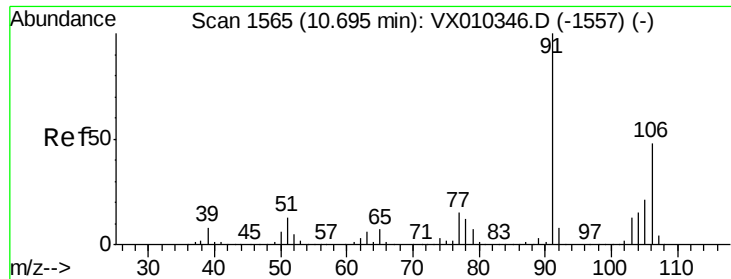
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#68
m/p-Xylenes
Concen: 113.504 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX010351.D
Acq: 20 Jun 2019 10:48

Tgt Ion: 106 Resp: 606396
Ion Ratio Lower Upper
106 100
91 193.9 155.3 232.9





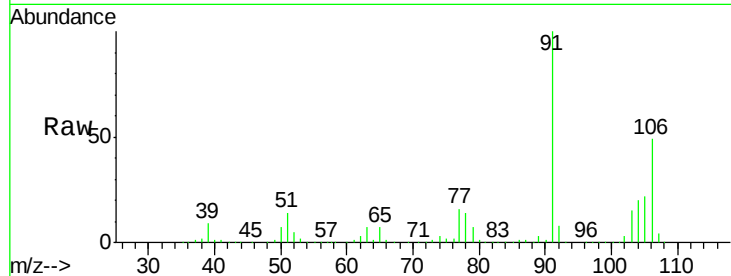
#69
o-Xylene
Concen: 55.870 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010351.D
Acq: 20 Jun 2019 10:48

Instrument :
MSVOA_X
ClientSampleID :
VSTDCCC050

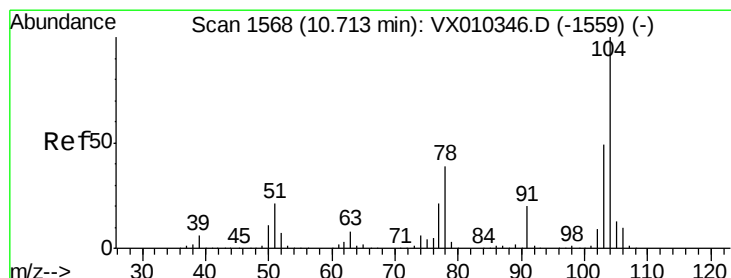
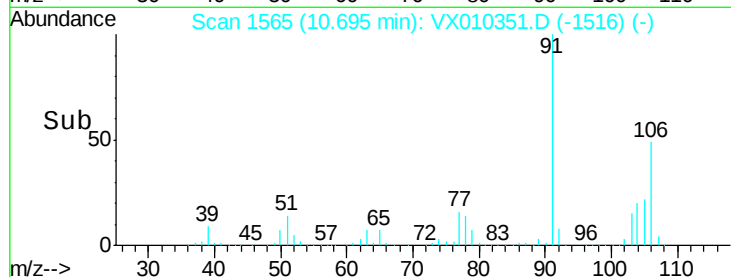
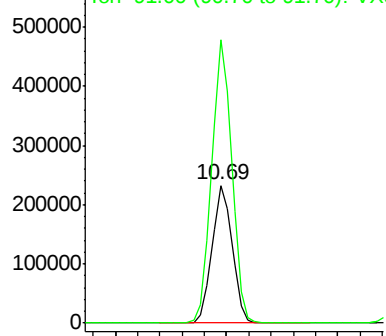
Tot Ion	Ion	Ratio	Lower	Upper
293533	106	100		
	91	204.4	102.7	308.1

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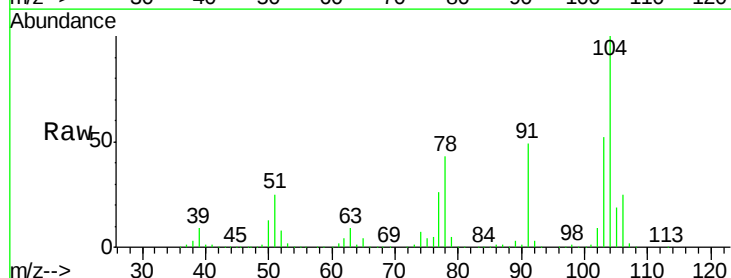


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

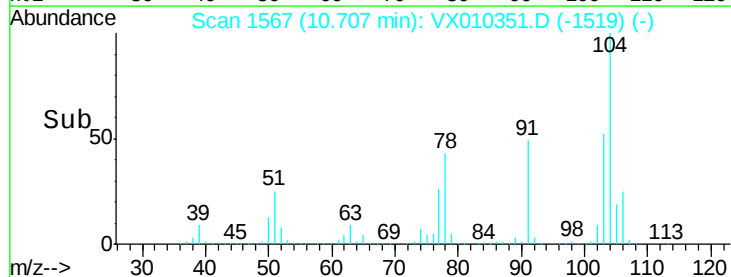
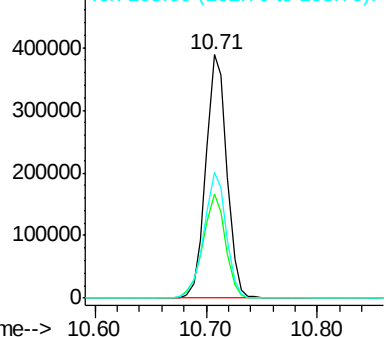


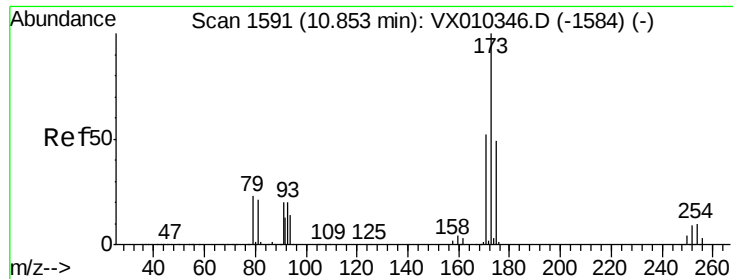
#70
Styrene
Concen: 57.539 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX010351.D
Acq: 20 Jun 2019 10:48

Tgt Ion	Ion	Ratio	Lower	Upper
506973	104	100		
	78	45.8	36.2	54.2
	103	54.8	44.2	66.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 60.662 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX010351.D

Acq: 20 Jun 2019 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 156937

Ion Ratio Lower Upper

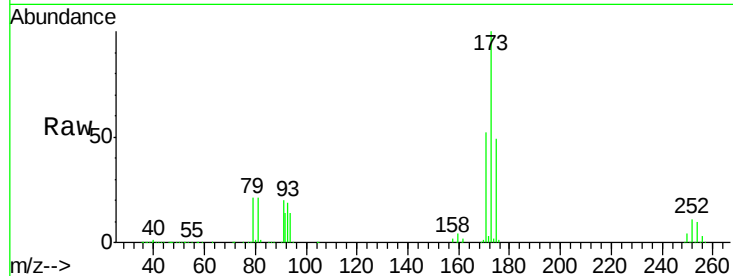
173 100

175 48.4 24.1 72.3

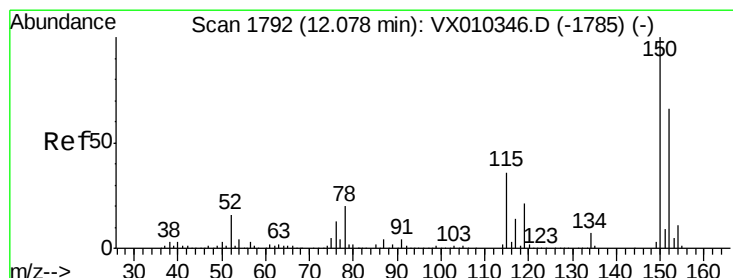
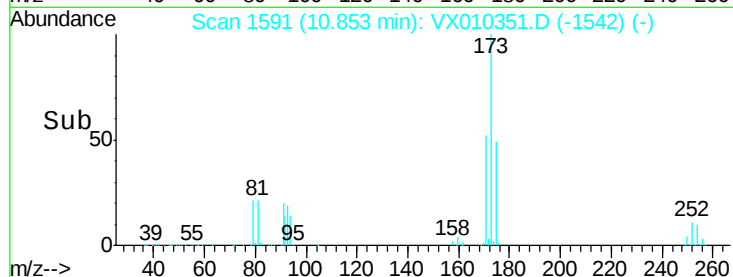
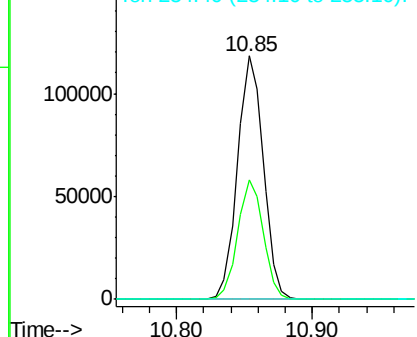
254 0.1 0.2 0.2#

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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: VX010351.D

Acq: 20 Jun 2019 10:48

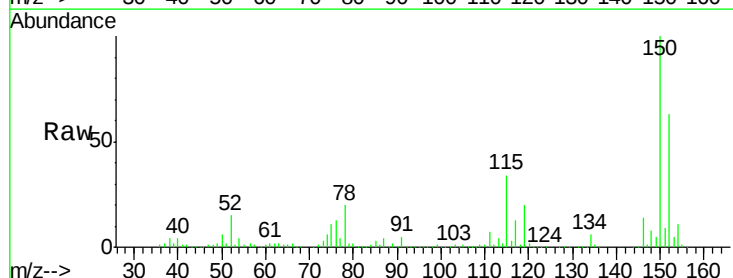
Tgt Ion:152 Resp: 208950

Ion Ratio Lower Upper

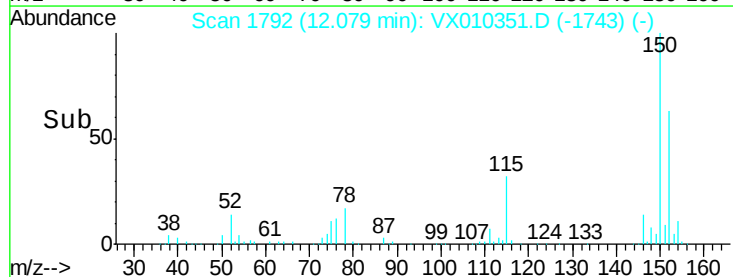
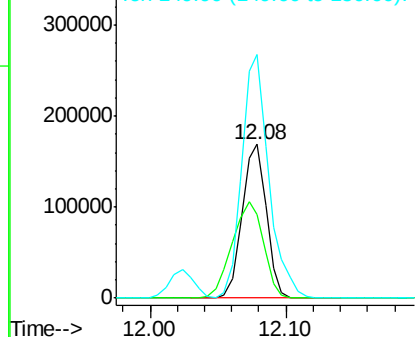
152 100

115 80.7 38.6 115.7

150 176.0 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: 55.643 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010351.D

Acq: 20 Jun 2019 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 788136

Ion Ratio Lower Upper

105 100

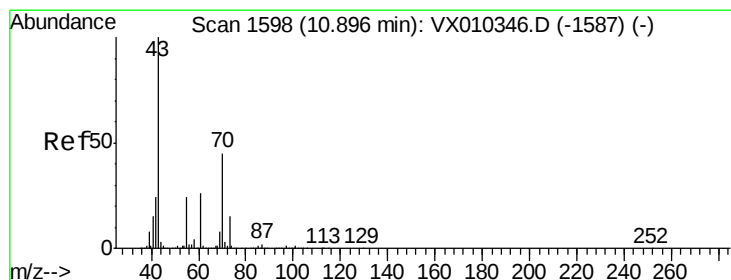
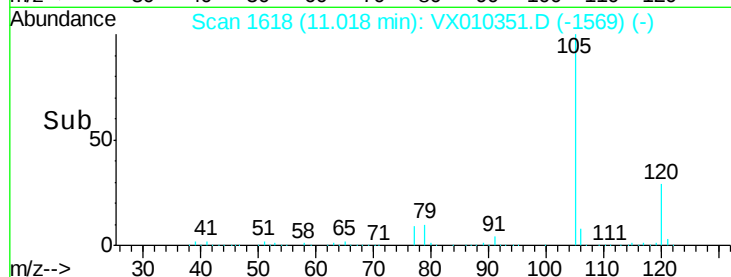
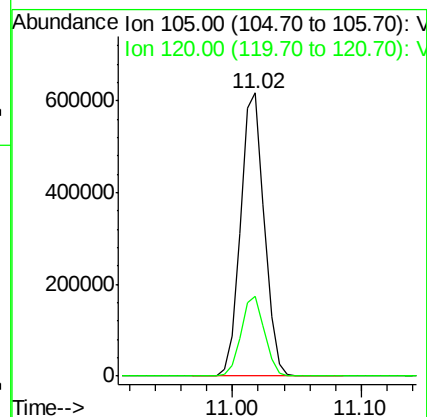
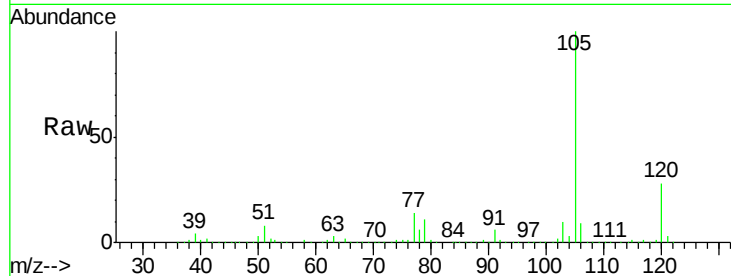
120 27.9 14.1 42.4

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#74

N-ethyl acetate

Concen: 57.206 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX010351.D

Acq: 20 Jun 2019 10:48

Tgt Ion: 43 Resp: 306222

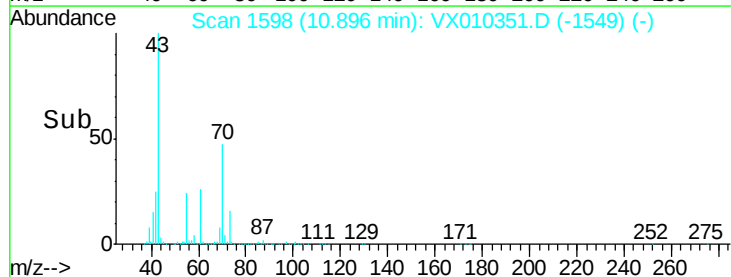
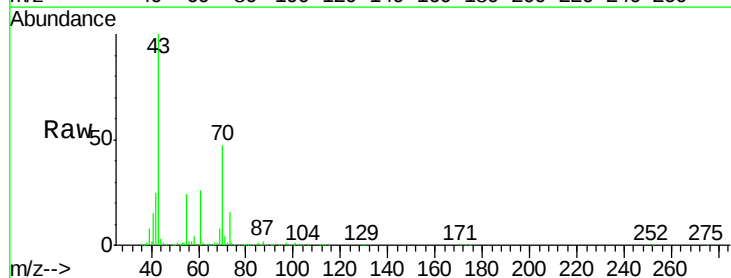
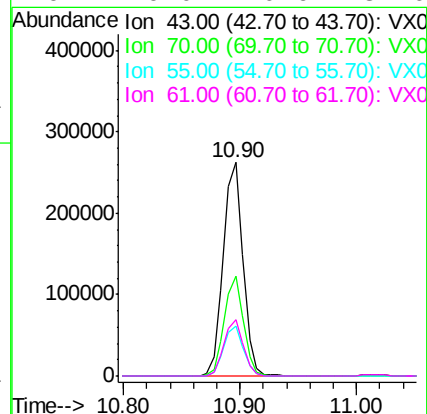
Ion Ratio Lower Upper

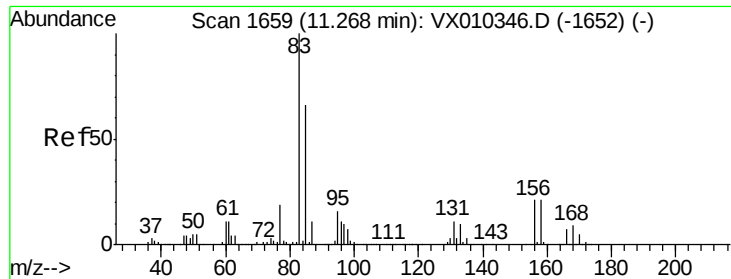
43 100

70 45.6 36.6 54.8

55 23.4 18.7 28.1

61 26.0 20.6 31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 54.515 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX010351.D

Acq: 20 Jun 2019 10:48

Instrument :

MSVOA_X

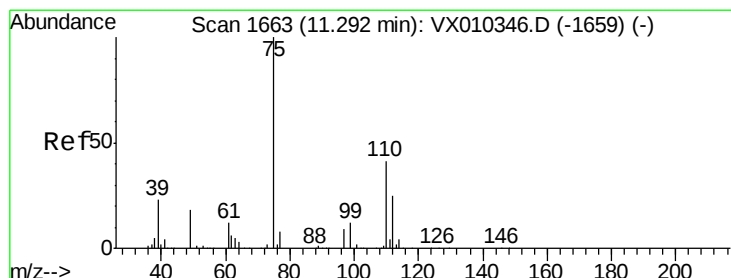
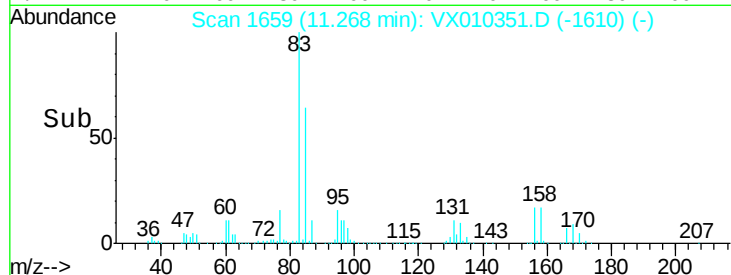
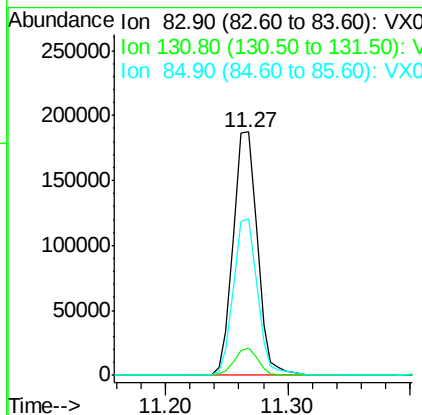
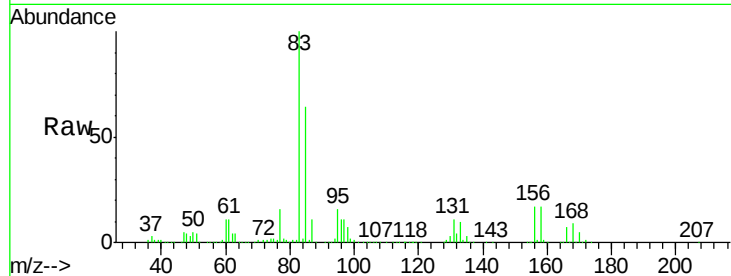
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	255722
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.5	16.4
85	63.8	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 56.529 ug/l m

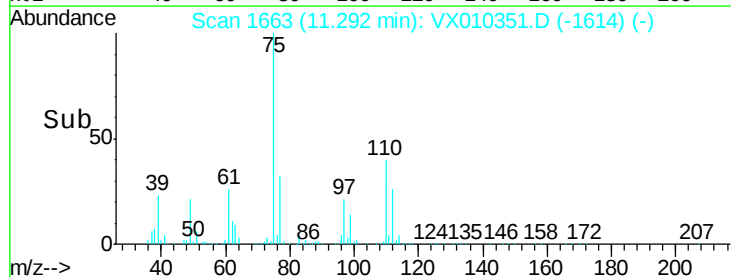
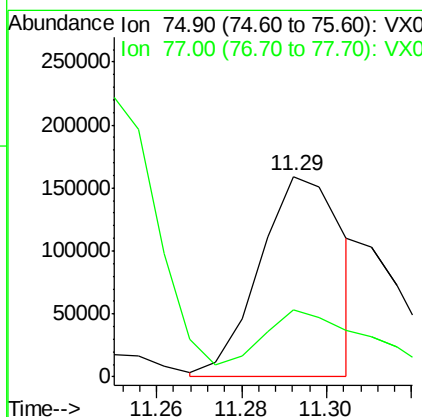
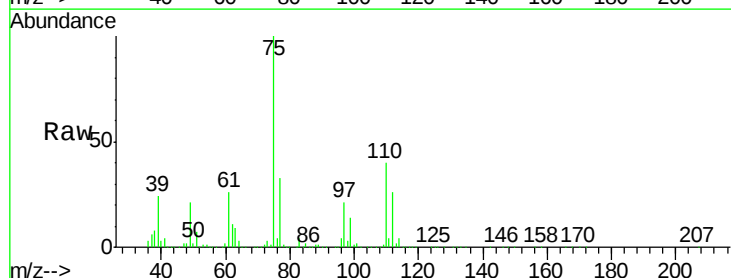
RT: 11.29 min Scan# 1663

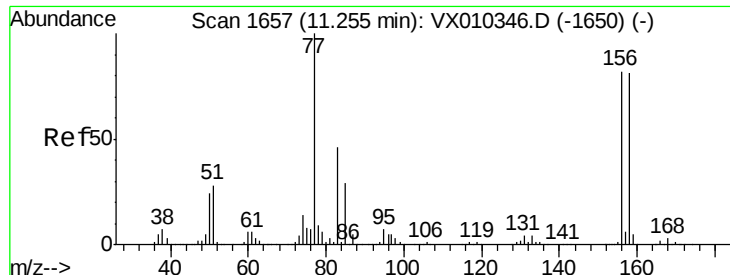
Delta R.T. 0.00 min

Lab File: VX010351.D

Acq: 20 Jun 2019 10:48

Tgt Ion:	75	Resp:	215242
Ion Ratio	Lower	Upper	
75	100		
77	44.2	22.6	67.8





#77

Bromobenzene

Concen: 54.472 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX010351.D

Acq: 20 Jun 2019 10:48

Instrument :

MSVOA_X

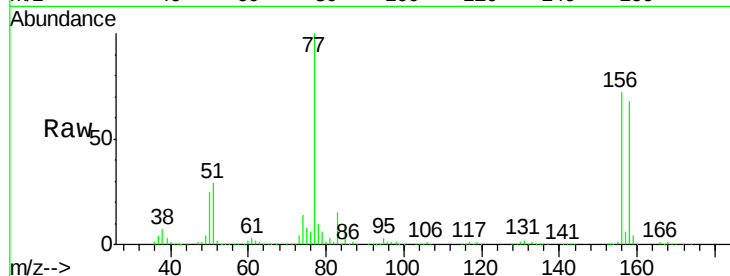
ClientSampleId :

VSTDCCC050

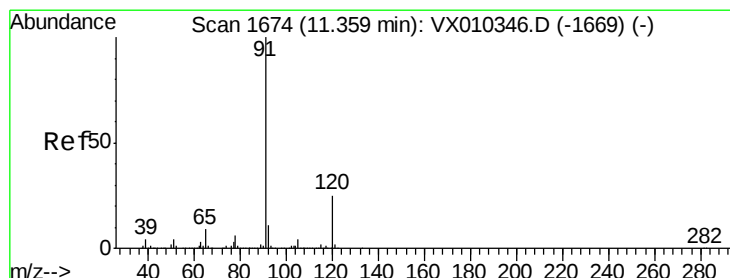
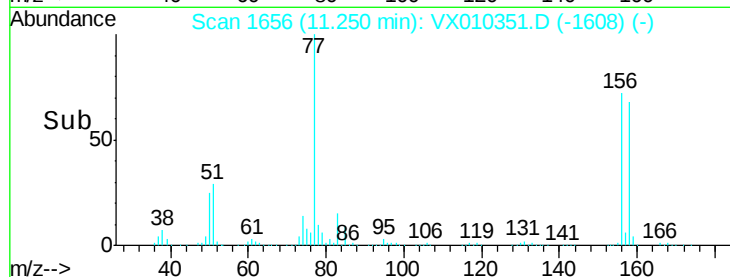
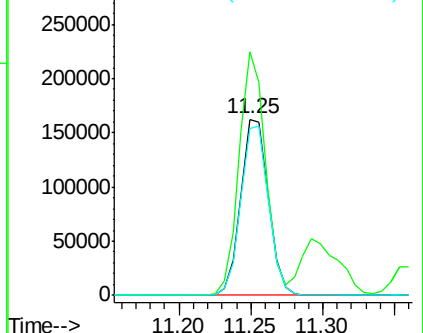
Tot Ion:	156	Resp:	215439
Ion	Ratio	Lower	Upper
156	100		
77	133.0	66.3	198.7
158	97.0	48.9	146.7

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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VX0
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 57.000 ug/l

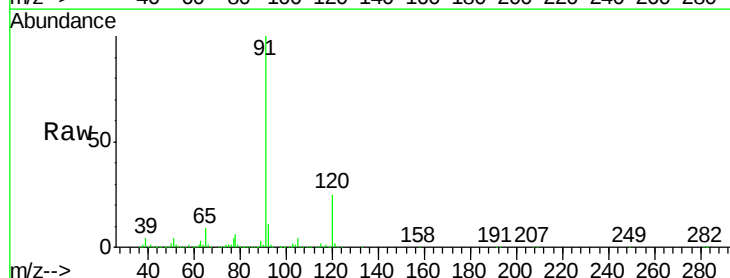
RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

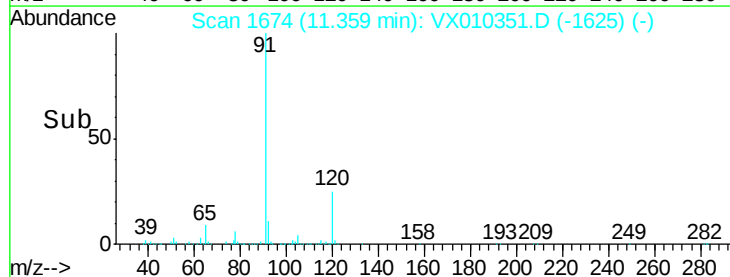
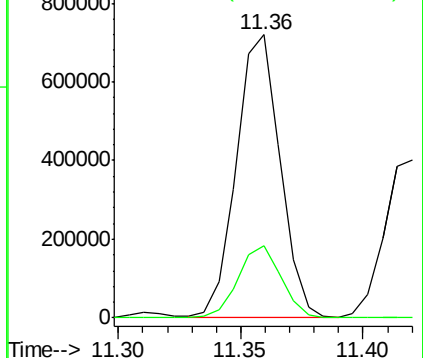
Lab File: VX010351.D

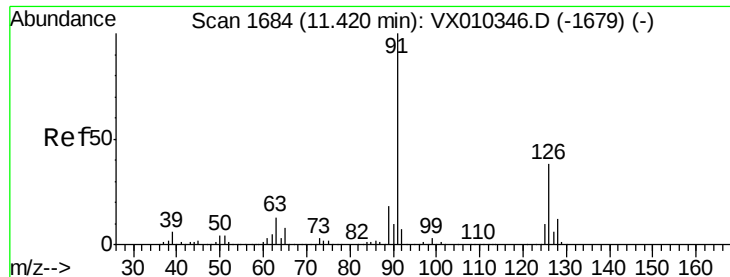
Acq: 20 Jun 2019 10:48

Tgt Ion:	91	Resp:	887321
Ion	Ratio	Lower	Upper
91	100		
120	25.1	12.4	37.4



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 55.545 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX010351.D

Acq: 20 Jun 2019 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 514895

Ion Ratio Lower Upper

91 100

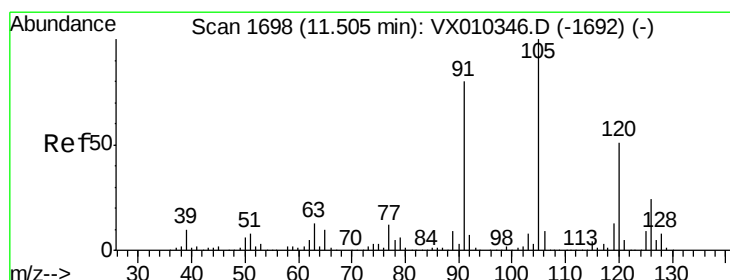
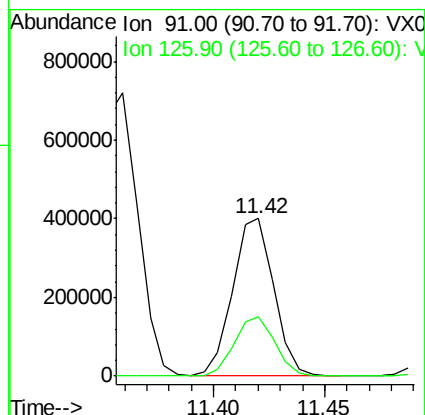
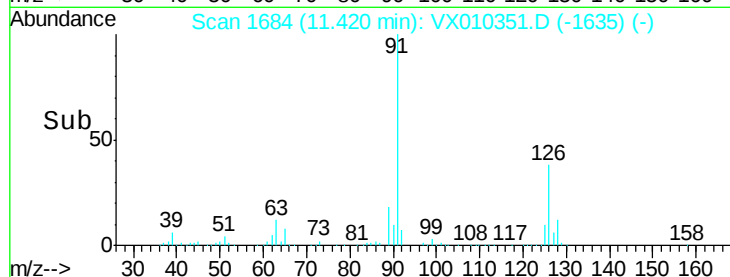
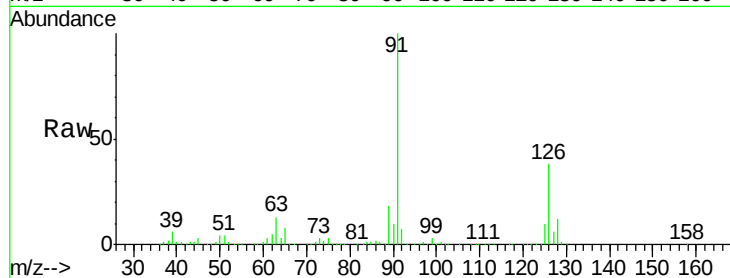
126 37.2 18.7 56.1

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#80

1,3,5-Trimethylbenzene

Concen: 56.893 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010351.D

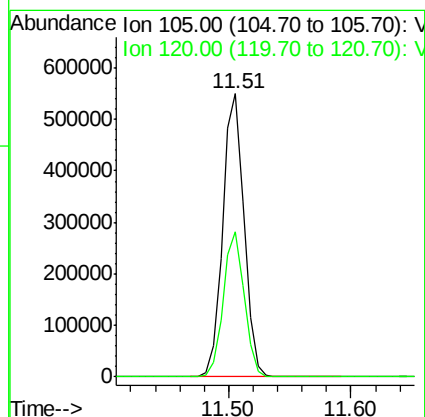
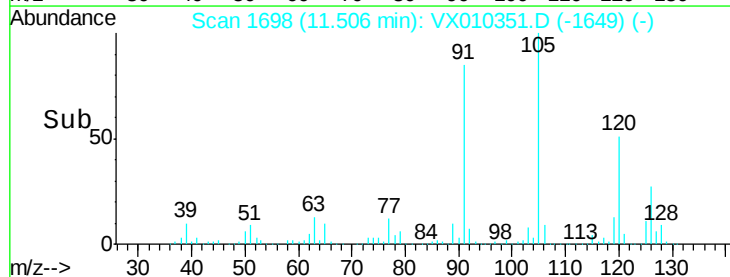
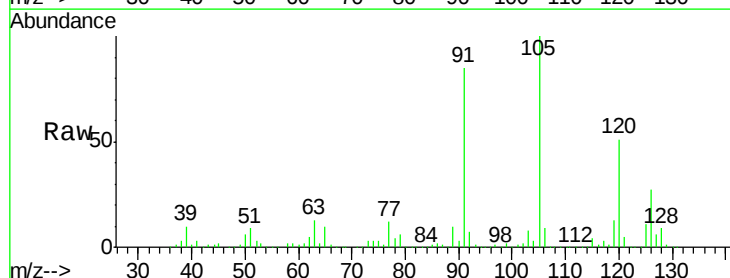
Acq: 20 Jun 2019 10:48

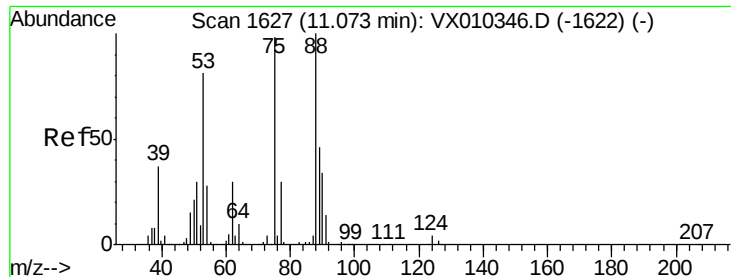
Tgt Ion: 105 Resp: 664317

Ion Ratio Lower Upper

105 100

120 50.4 25.2 75.6





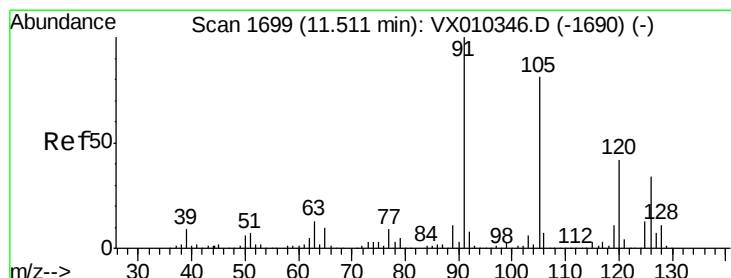
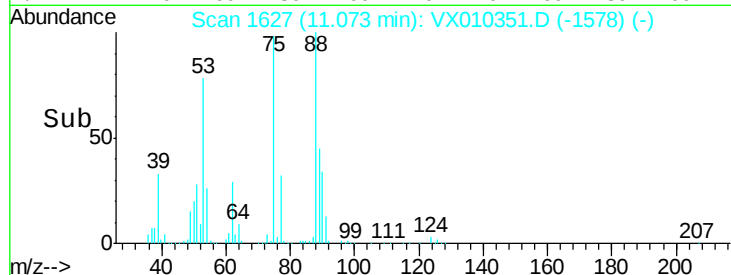
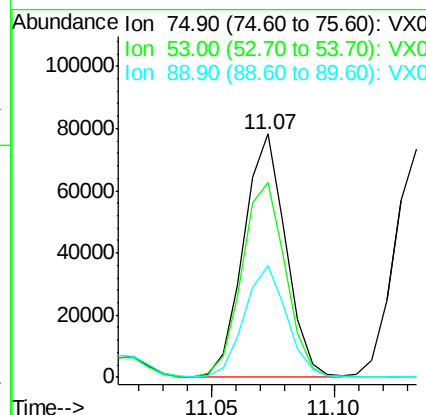
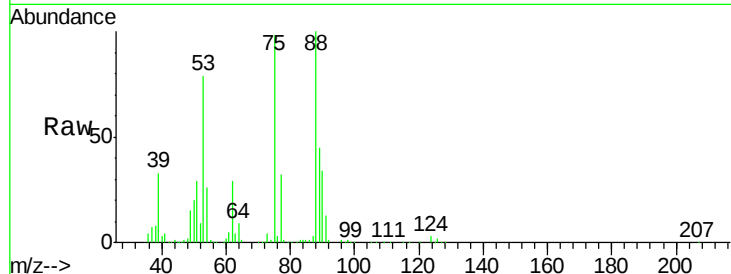
#81
trans-1,4-Dichloro-2-butene
Concen: 56.903 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX010351.D
Acq: 20 Jun 2019 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	83.1	66.1	99.1
89	46.7	37.8	56.6

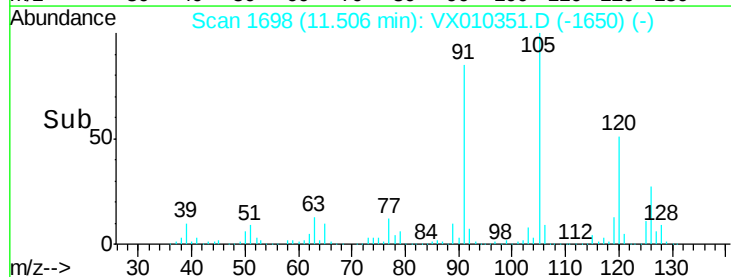
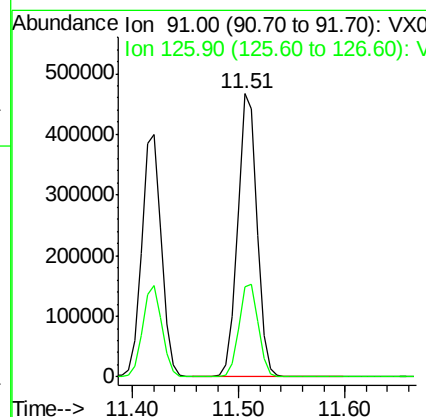
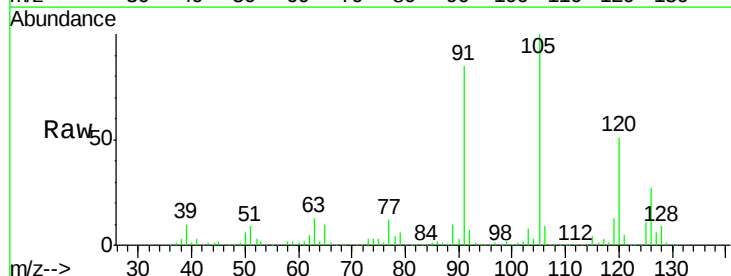
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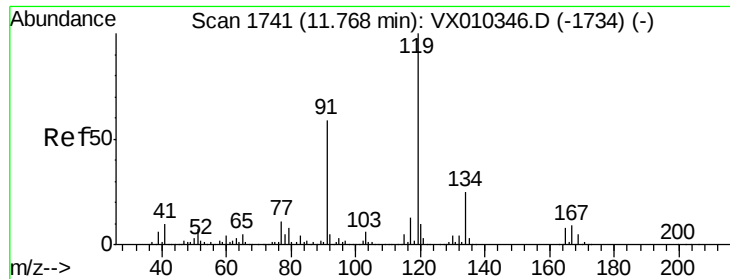
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#82
4-Chlorotoluene
Concen: 56.488 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.01 min
Lab File: VX010351.D
Acq: 20 Jun 2019 10:48

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.2	48.6





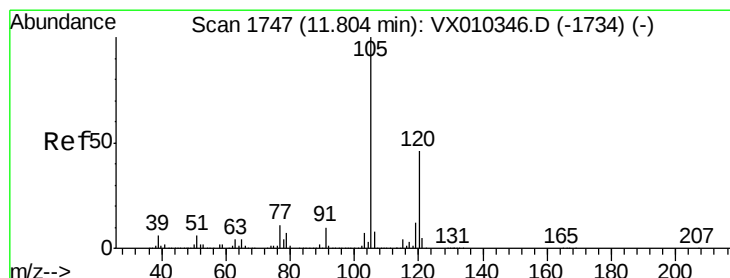
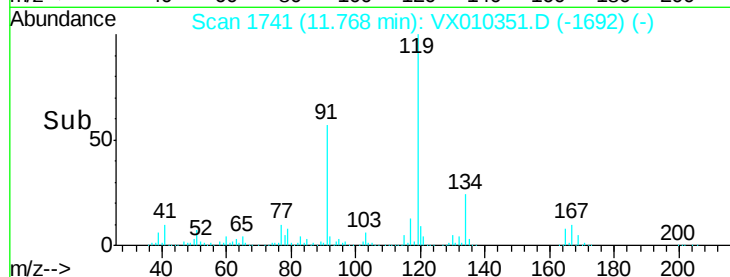
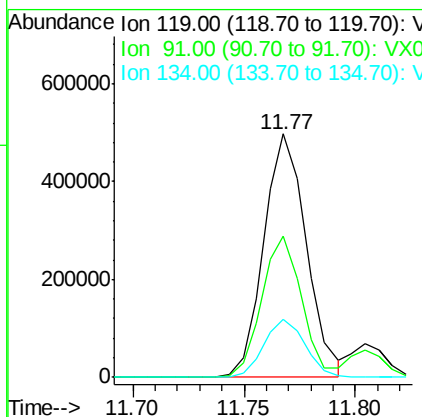
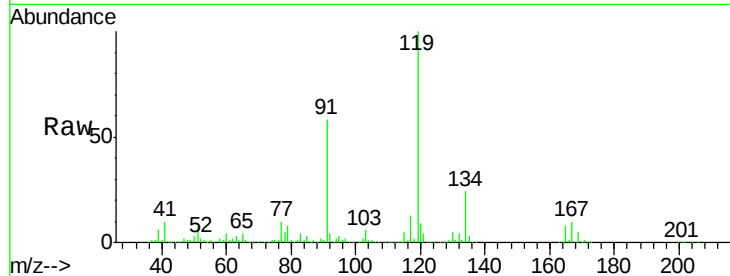
#83
tert-Butylbenzene
Concen: 56.361 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX010351.D
Acq: 20 Jun 2019 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	54.9	27.6	82.7
134	23.3	11.8	35.4

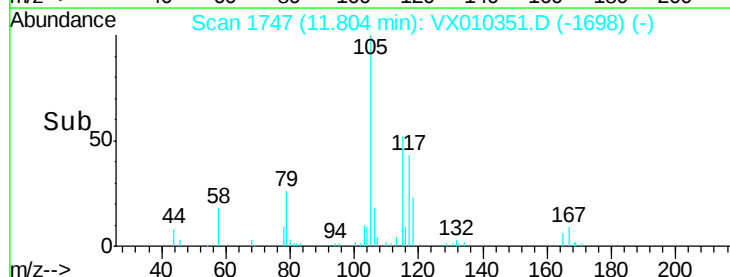
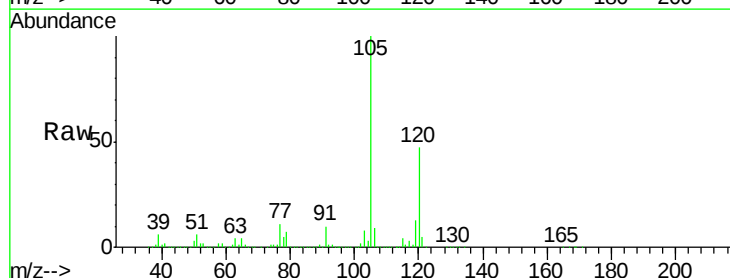
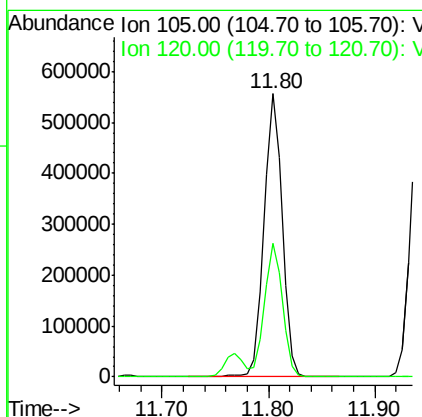
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#84
1,2,4-Trimethylbenzene
Concen: 57.223 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX010351.D
Acq: 20 Jun 2019 10:48

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.1	69.2





#85

sec-Butylbenzene

Concen: 57.135 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010351.D

Acq: 20 Jun 2019 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 786214

Ion Ratio Lower Upper

105 100

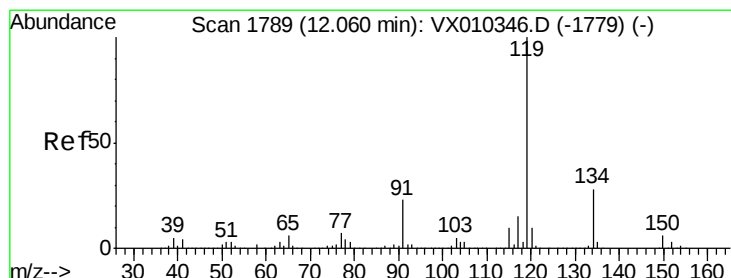
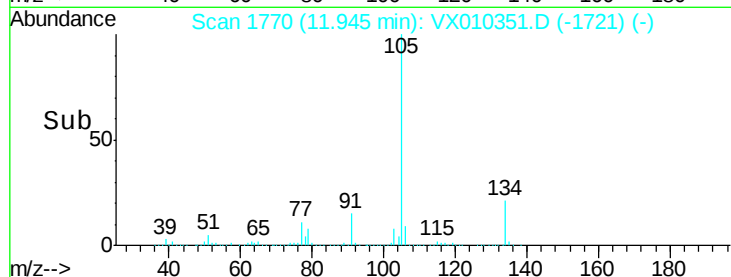
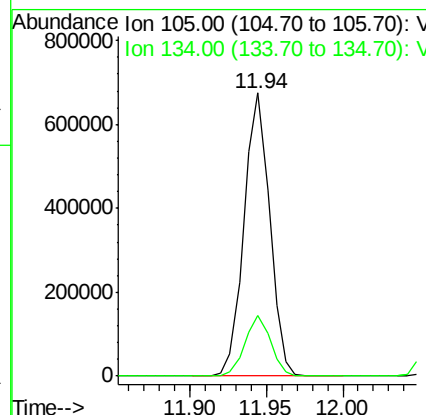
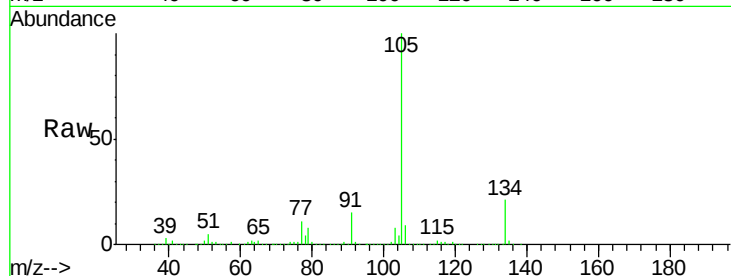
134 21.3 10.7 31.9

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#86

p-Isopropyltoluene

Concen: 57.551 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX010351.D

Acq: 20 Jun 2019 10:48

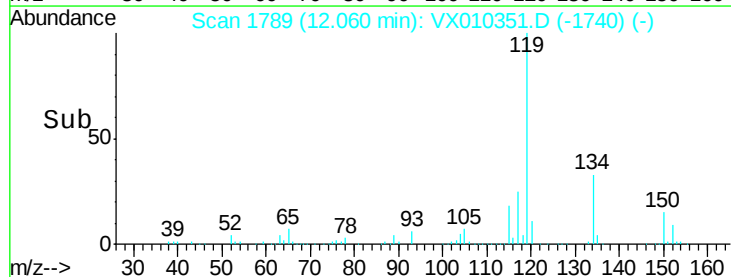
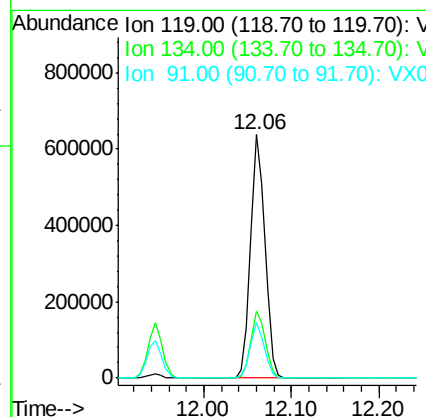
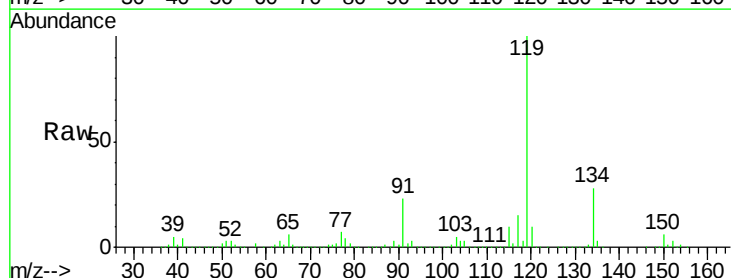
Tgt Ion:119 Resp: 732512

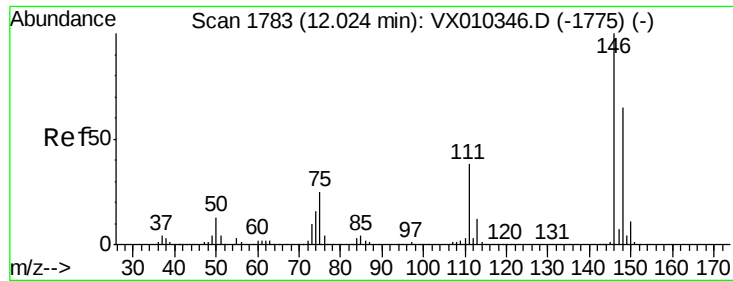
Ion Ratio Lower Upper

119 100

134 27.7 13.7 41.1

91 22.4 11.3 33.8





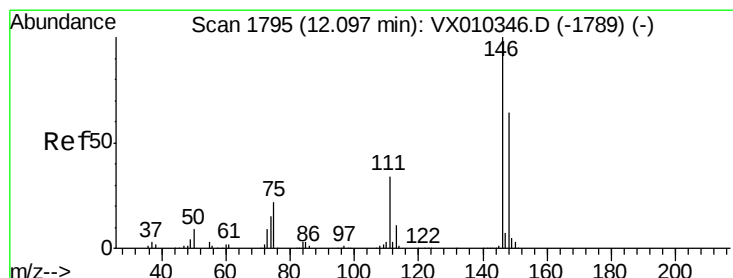
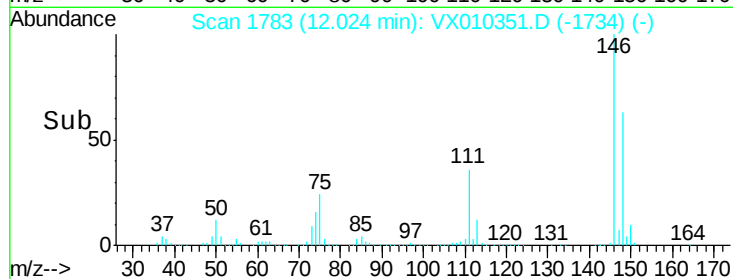
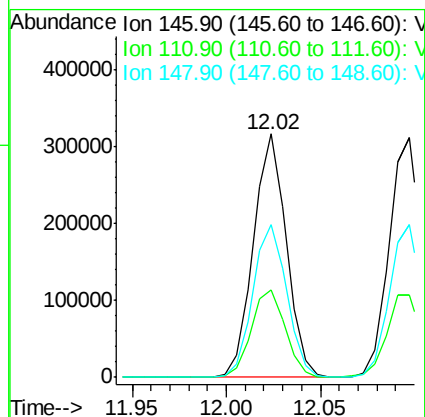
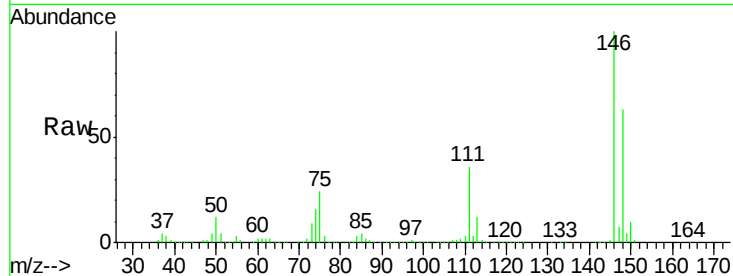
#87
 1,3-Dichlorobenzene
 Concen: 55.550 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX010351.D
 Acq: 20 Jun 2019 10:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	19.1	57.1
148	64.7	32.5	97.4

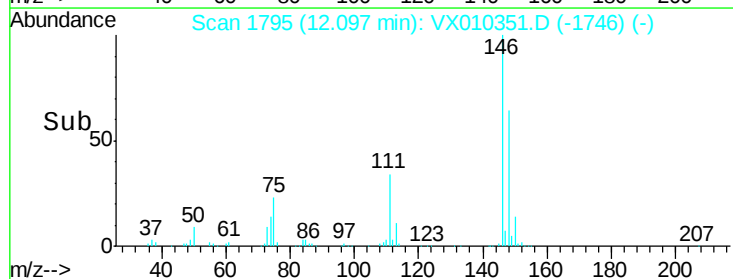
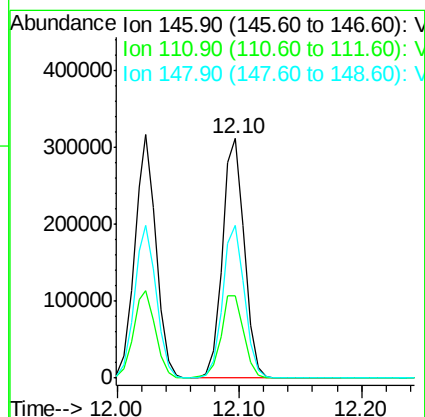
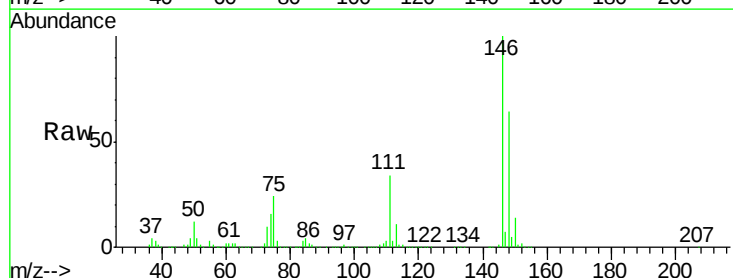
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#88
 1,4-Dichlorobenzene
 Concen: 55.070 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX010351.D
 Acq: 20 Jun 2019 10:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.0	18.1	54.3
148	63.3	32.1	96.3





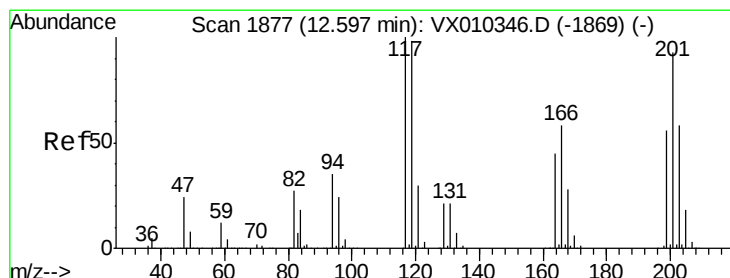
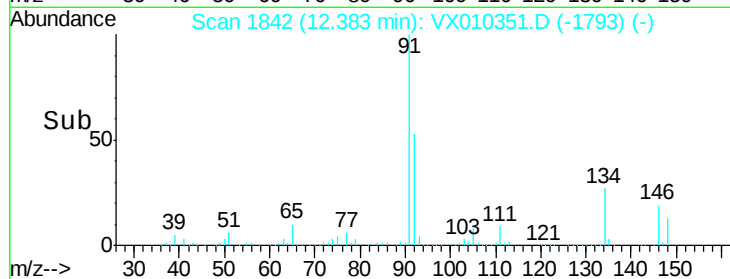
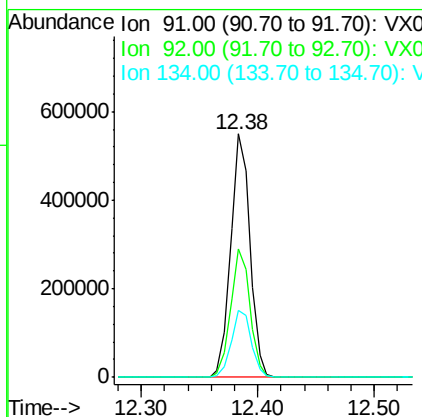
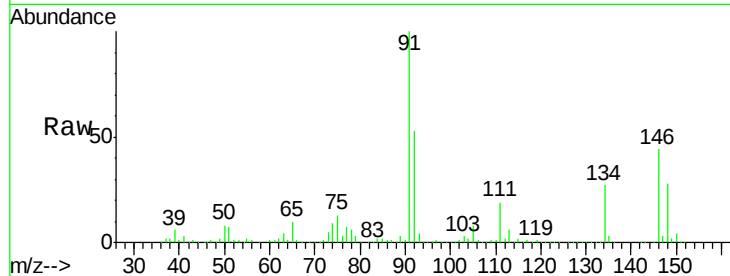
#89
n-Butylbenzene
Concen: 58.756 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX010351.D
Acq: 20 Jun 2019 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.2	78.5
134	28.3	14.1	42.4

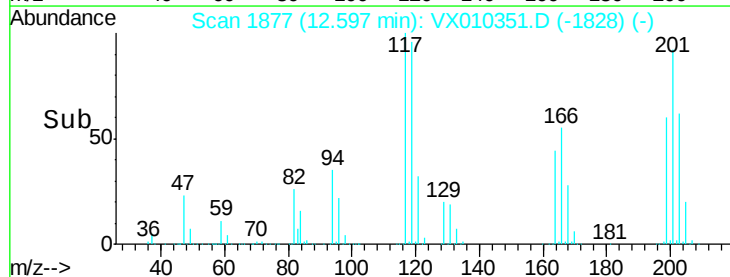
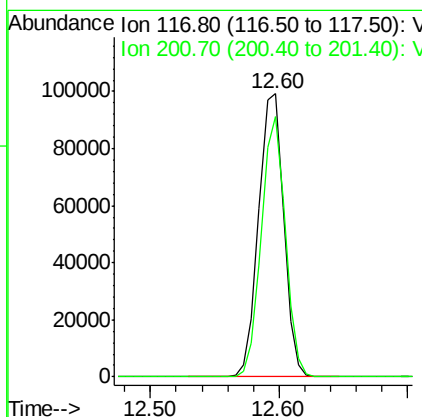
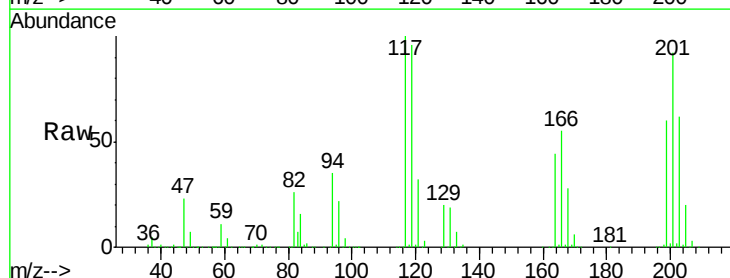
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#90
Hexachloroethane
Concen: 60.564 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX010351.D
Acq: 20 Jun 2019 10:48

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.7	44.0	131.8





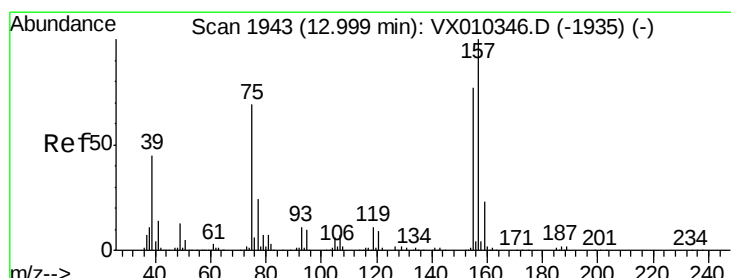
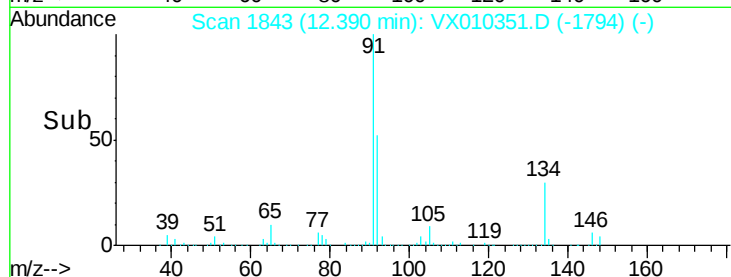
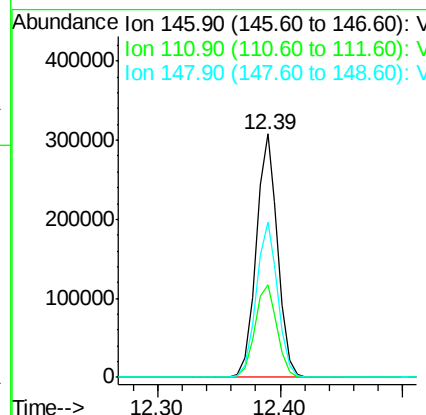
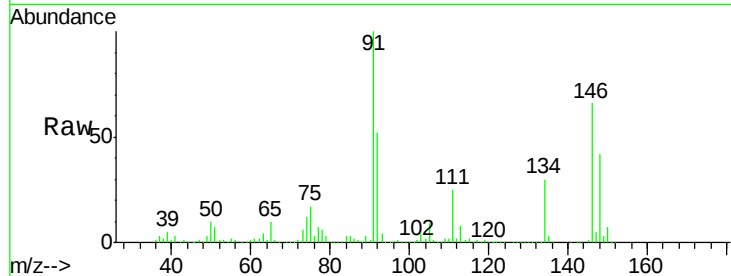
#91
1,2-Dichlorobenzene
Concen: 54.398 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX010351.D
Acq: 20 Jun 2019 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	373251		
111	39.2	19.2	57.6	
148	64.5	32.0	96.0	

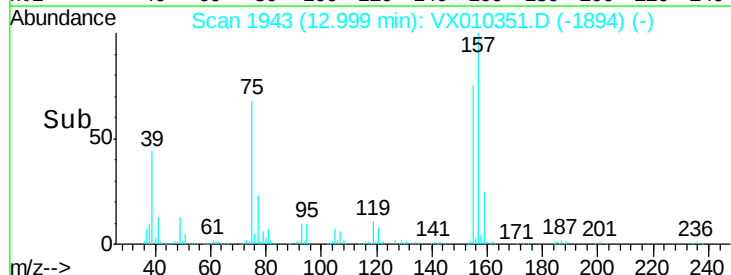
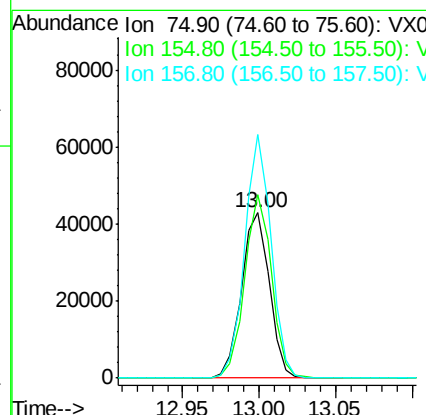
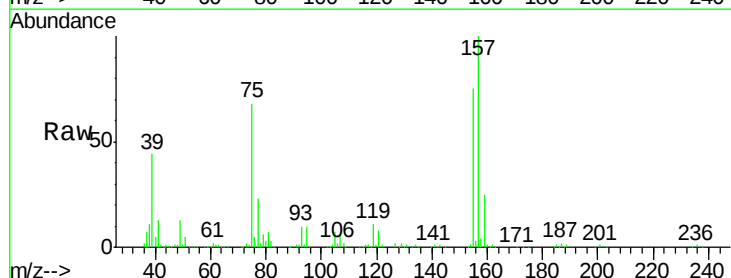
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#92
1,2-Dibromo-3-Chloropropane
Concen: 53.764 ug/l
RT: 13.00 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VX010351.D
Acq: 20 Jun 2019 10:48

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	54375		
155	106.2	54.4	163.1	
157	138.7	69.5	208.3	





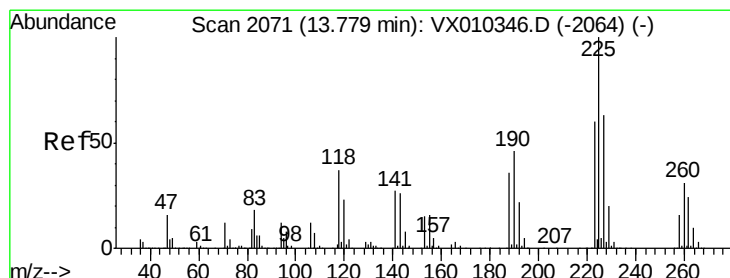
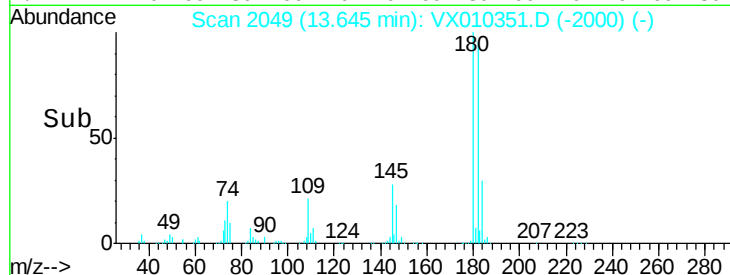
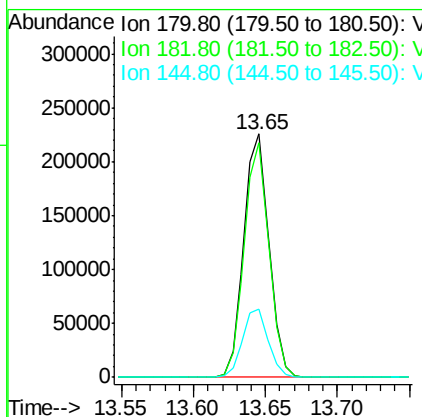
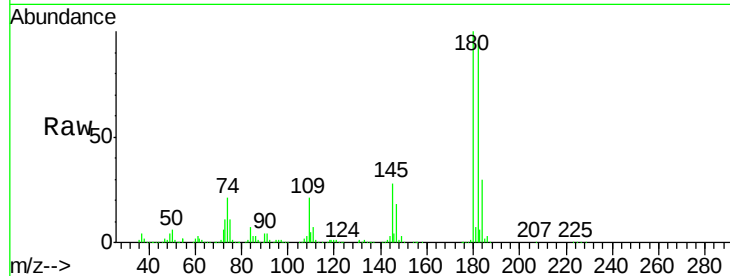
#93
 1,2,4-Trichlorobenzene
 Concen: 57.372 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX010351.D
 Acq: 20 Jun 2019 10:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	272997		
182	94.9	48.0	144.0	
145	28.6	14.4	43.4	

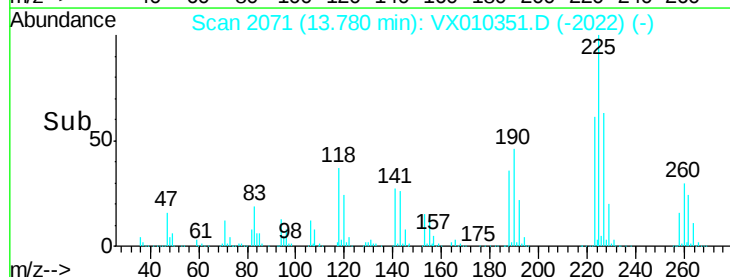
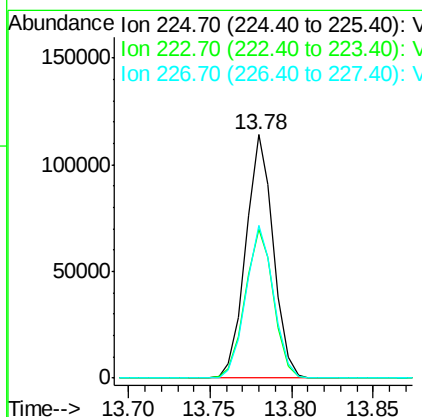
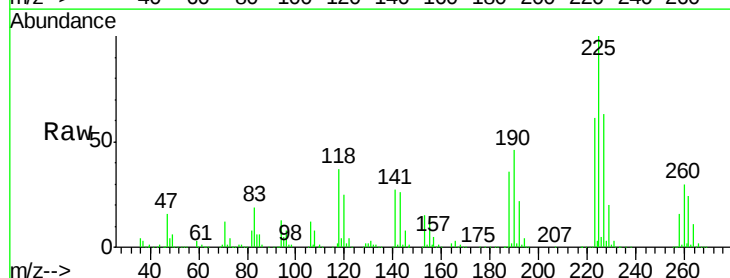
Manual Integrations
 APPROVED

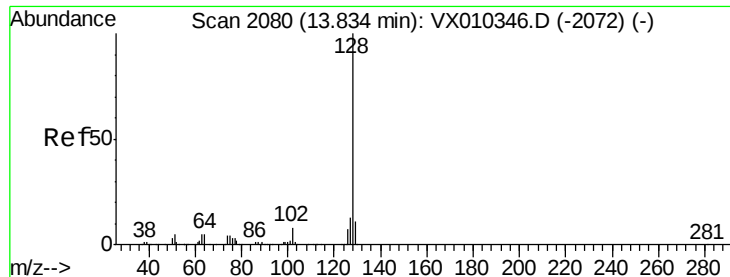
MMDadoda
 6/21/2019 11:34:55 AM



#94
 Hexachlorobutadiene
 Concen: 57.655 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX010351.D
 Acq: 20 Jun 2019 10:48

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	134080		
223	62.6	30.9	92.7	
227	63.0	31.9	95.5	





#95

Naphthalene

Concen: 56.034 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX010351.D

Acq: 20 Jun 2019 10:48

Instrument :

MSVOA_X

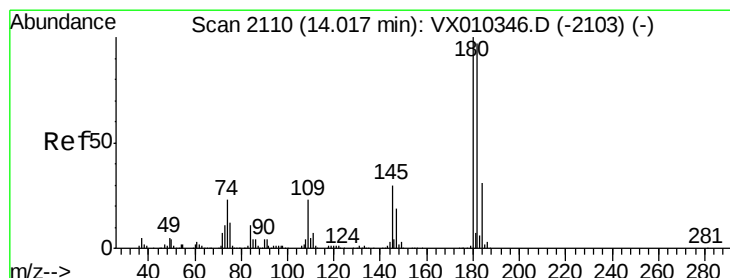
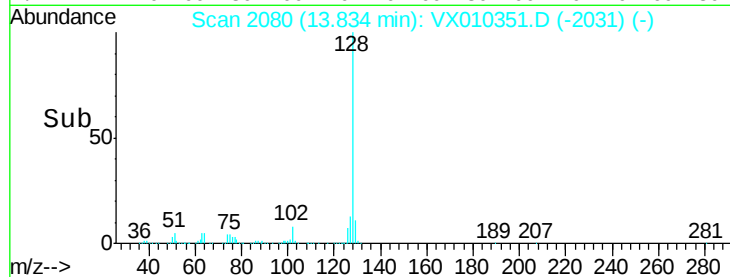
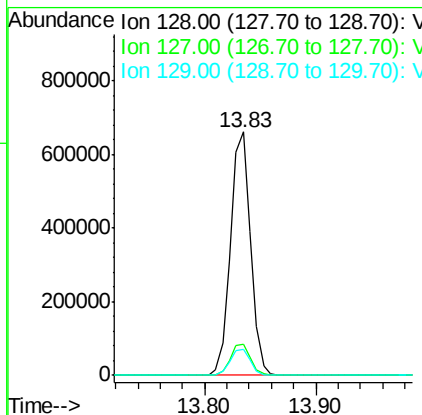
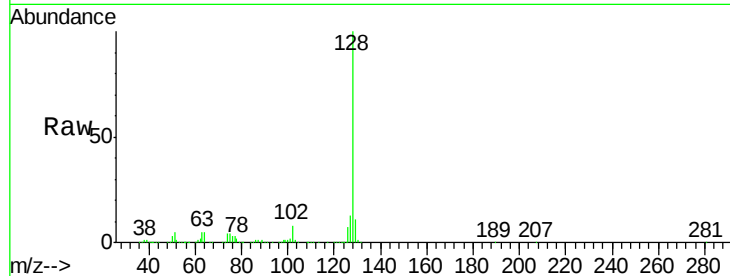
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	819366
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.2	15.4
129	10.9	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
6/21/2019 11:34:55 AM



#96

1,2,3-Trichlorobenzene

Concen: 56.339 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX010351.D

Acq: 20 Jun 2019 10:48

Tgt Ion:	180	Resp:	266543
Ion Ratio	Lower	Upper	
180	100		
182	95.4	47.8	143.3
145	30.8	15.2	45.6

