

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091418\
 Data File : VX004554.D
 Acq On : 15 Sep 2018 00:31
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/17/2018 5:09:27 PM

Quant Time: Sep 15 06:14:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	242477	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.86	114	342952	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	304561	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	185187	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	187659	60.02	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	120.04%	
35) Dibromofluoromethane	5.50	113	156035	49.72	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.44%	
50) Toluene-d8	8.72	98	497096	47.23	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.46%	
62) 4-Bromofluorobenzene	11.14	95	178739	47.58	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	99787	43.91	ug/l	97
3) Chloromethane	1.32	50	153175	48.98	ug/l	99
4) Vinyl Chloride	1.40	62	144796	45.11	ug/l	96
5) Bromomethane	1.64	94	69176	51.51	ug/l	98
6) Chloroethane	1.71	64	102079	49.18	ug/l	96
7) Trichlorofluoromethane	1.92	101	180961	42.53	ug/l	89
8) Diethyl Ether	2.18	74	109226	57.25	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.38	101	115913	42.94	ug/l	98
10) Methyl Iodide	2.51	142	134561	42.41	ug/l	97
11) Tert butyl alcohol	3.07	59	191208	256.30	ug/l	100
12) 1,1-Dichloroethene	2.37	96	118125	46.62	ug/l	92
13) Acrolein	2.29	56	75618	256.77	ug/l	95
14) Allyl chloride	2.72	41	258861	49.70	ug/l	96
15) Acrylonitrile	3.15	53	483799	269.30	ug/l	100
16) Acetone	2.44	43	378607	248.11	ug/l	97
17) Carbon Disulfide	2.56	76	325309	44.42	ug/l	99
18) Methyl Acetate	2.78	43	235007	54.89	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	515240	57.96	ug/l	97
20) Methylene Chloride	2.85	84	164689	52.61	ug/l	94
21) trans-1,2-Dichloroethene	3.16	96	142834	51.02	ug/l	95
22) Diisopropyl ether	3.87	45	527976	56.28	ug/l	98
23) Vinyl Acetate	3.82	43	2177789	286.86	ug/l	98
24) 1,1-Dichloroethane	3.69	63	283850	53.59	ug/l	98
25) 2-Butanone	4.70	43	593409	244.34	ug/l	100
26) 2,2-Dichloropropane	4.57	77	152280	41.86	ug/l	96
27) cis-1,2-Dichloroethene	4.59	96	170927	54.69	ug/l	98
28) Bromochloromethane	5.02	49	138216	57.05	ug/l	99
29) Tetrahydrofuran	5.15	42	407024	277.91	ug/l	98
30) Chloroform	5.21	83	279116	53.98	ug/l	92
31) Cyclohexane	5.57	56	204083	45.13	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	206363	49.55	ug/l	99
36) 1,1-Dichloropropene	5.79	75	181741	43.65	ug/l	99
37) Ethyl Acetate	4.85	43	229902	48.55	ug/l	99
38) Carbon Tetrachloride	5.77	117	172248	42.36	ug/l	96

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	175343	40.36	ug/l	96
40) Benzene	6.14	78	647148	52.39	ug/l	95
41) Methacrylonitrile	5.05	41	132451	50.76	ug/l	98
42) 1,2-Dichloroethane	6.19	62	217304	53.04	ug/l	100
43) Isopropyl Acetate	6.46	43	361779	57.52	ug/l	99
44) Trichloroethene	7.21	130	146334	45.59	ug/l	99
45) 1,2-Dichloropropane	7.52	63	150591	50.66	ug/l	97
46) Dibromomethane	7.66	93	96861	51.58	ug/l	99
47) Bromodichloromethane	7.90	83	176043	49.57	ug/l	96
48) Methyl methacrylate	7.77	41	159522	51.25	ug/l	98
49) 1,4-Dioxane	7.76	88	73611	999.17	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	1021551	230.15	ug/l	98
52) Toluene	8.79	92	325019	44.66	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	214114	51.61	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	212264	50.19	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	162581	51.88	ug/l	96
56) Ethyl methacrylate	9.18	69	247490	55.82	ug/l	98
57) 1,3-Dichloropropane	9.37	76	281049	55.19	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	550452	243.87	ug/l	96
59) 2-Hexanone	9.49	43	890201	261.47	ug/l	97
60) Dibromochloromethane	9.59	129	167243	56.68	ug/l	97
61) 1,2-Dibromoethane	9.68	107	170690	57.01	ug/l	96
64) Tetrachloroethene	9.34	164	183845	48.35	ug/l	91
65) Chlorobenzene	10.14	112	374947	49.56	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.22	131	137025	52.52	ug/l	99
67) Ethyl Benzene	10.25	91	603388	49.05	ug/l	98
68) m/p-Xylenes	10.36	106	476760	100.62	ug/l	97
69) o-Xylene	10.70	106	235849	51.77	ug/l	99
70) Styrene	10.71	104	405744	53.76	ug/l	99
71) Bromoform	10.86	173	115640	53.99	ug/l	99
73) Isopropylbenzene	11.02	105	604877	49.60	ug/l	100
74) N-amyl acetate	10.90	43	279526	54.45	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	205917	52.34	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	197003m	52.88	ug/l	
77) Bromobenzene	11.26	156	176119	52.24	ug/l	100
78) n-propylbenzene	11.36	91	685927	48.91	ug/l	100
79) 2-Chlorotoluene	11.42	91	424619	49.93	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	522519	50.96	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	60843	52.05	ug/l	95
82) 4-Chlorotoluene	11.51	91	498016	50.17	ug/l	99
83) tert-Butylbenzene	11.77	119	486355	49.83	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	544159	51.98	ug/l	99
85) sec-Butylbenzene	11.94	105	598257	48.10	ug/l	99
86) p-Isopropyltoluene	12.07	119	551243	50.18	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	323748	51.47	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	320832	49.37	ug/l	99
89) n-Butylbenzene	12.39	91	466621	46.62	ug/l	98
90) Hexachloroethane	12.60	117	83532	47.50	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	325828	51.18	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	44990	53.56	ug/l	98

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VSTDCCC050

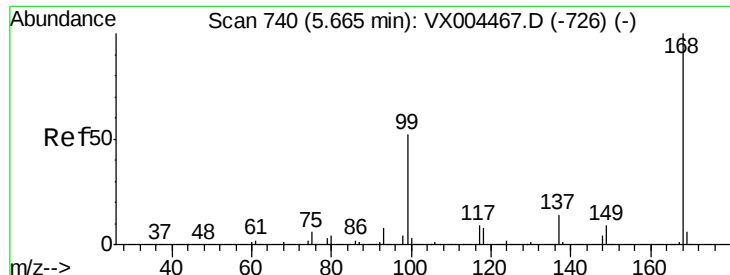
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Wed Sep 12 02:17:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	278636	61.81	ug/l	97
94) Hexachlorobutadiene	13.79	225	120624	51.23	ug/l	96
95) Naphthalene	13.83	128	812053	64.23	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	257069	55.51	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.01 min

Lab File: VX004554.D

Acq: 15 Sep 2018 00:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 242477

Ion Ratio Lower Upper

168 100

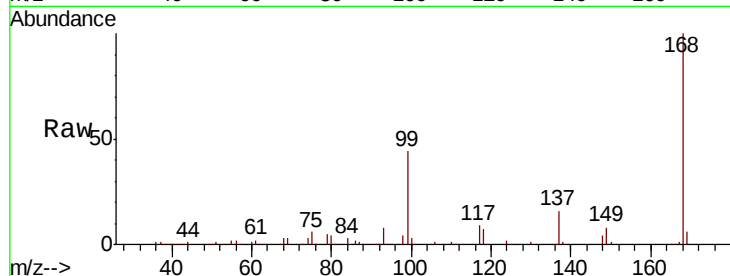
99 44.2 39.9 59.9

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

80000

60000

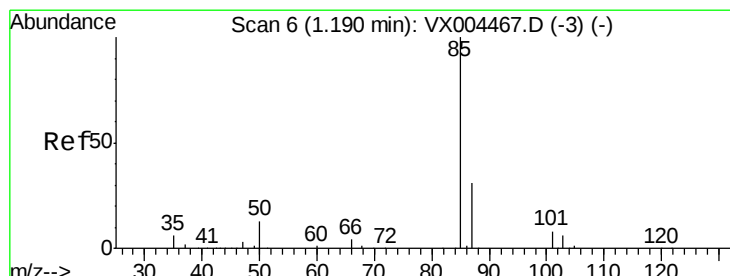
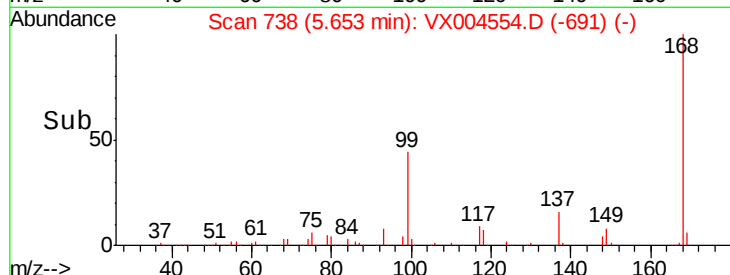
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 43.91 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.01 min

Lab File: VX004554.D

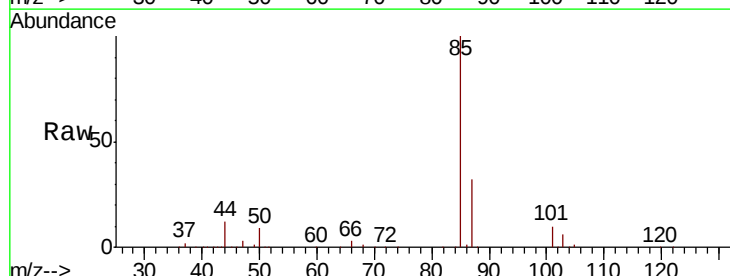
Acq: 15 Sep 2018 00:31

Tgt Ion: 85 Resp: 99787

Ion Ratio Lower Upper

85 100

87 32.1 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

100000

80000

60000

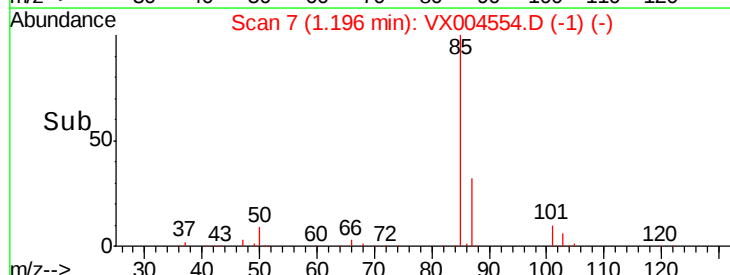
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Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 48.98 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX004554.D

Acq: 15 Sep 2018 00:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 153175

Ion Ratio Lower Upper

50 100

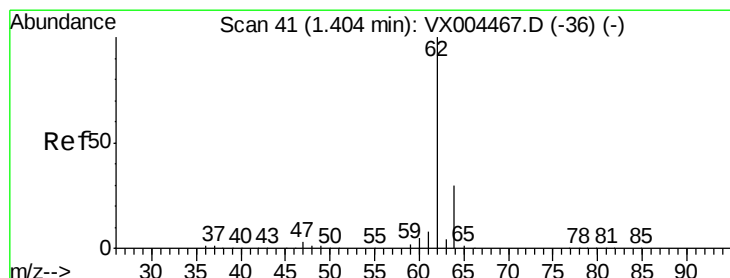
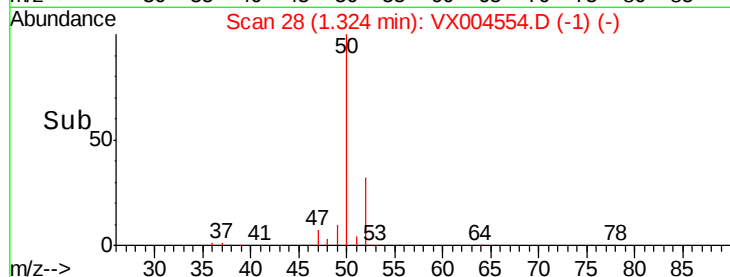
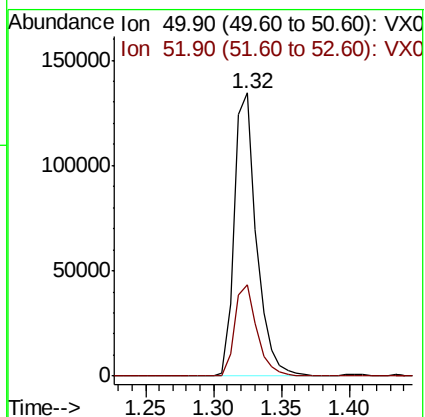
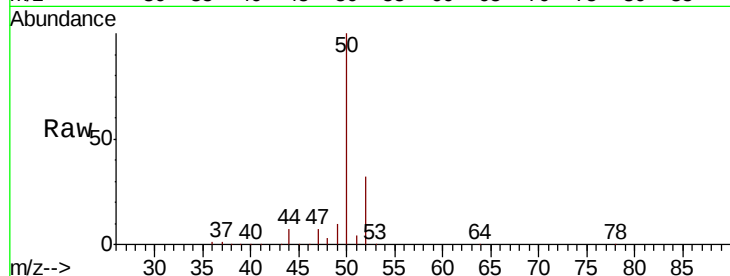
52 32.1 26.2 39.2

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#4

Vinyl Chloride

Concen: 45.11 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX004554.D

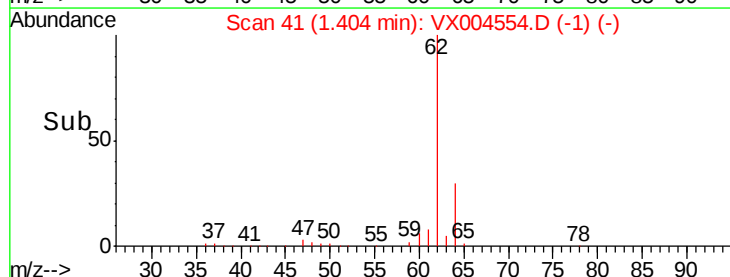
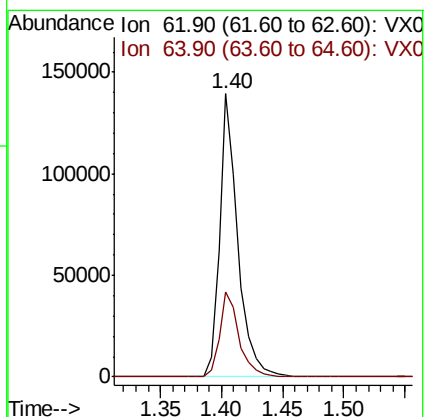
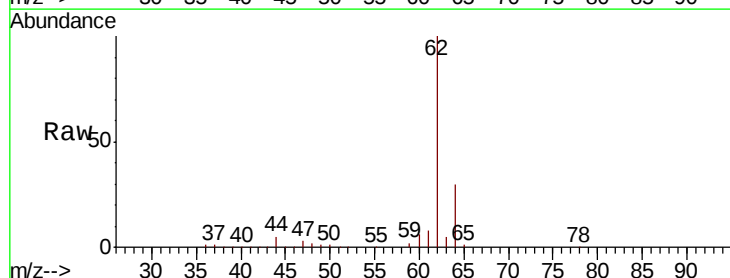
Acq: 15 Sep 2018 00:31

Tgt Ion: 62 Resp: 144796

Ion Ratio Lower Upper

62 100

64 30.0 25.8 38.8





#5

Bromomethane

Concen: 51.51 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004554.D

Acq: 15 Sep 2018 00:31

Tot Ion: 94 Resp: 69176

Ion Ratio Lower Upper

94 100

96 91.3 74.5 111.7

Instrument :

MSVOA_X

ClientSampleId :

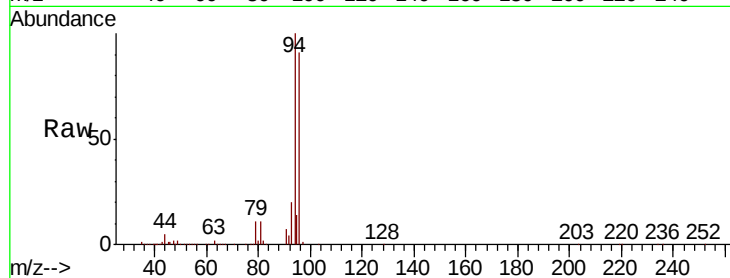
VSTDCCC050

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

80000

60000

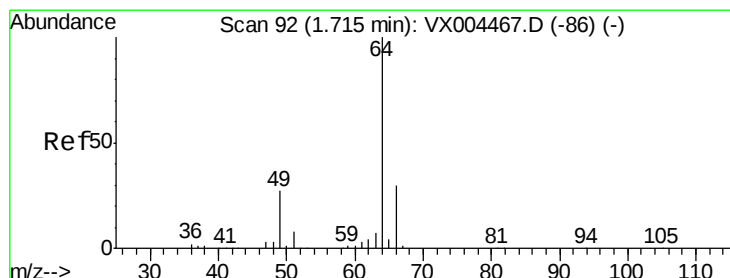
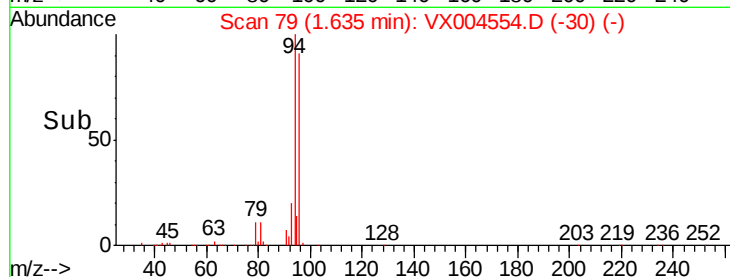
40000

20000

0

1.55 1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 49.18 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX004554.D

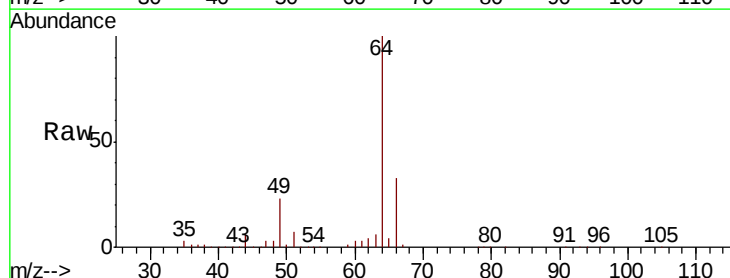
Acq: 15 Sep 2018 00:31

Tgt Ion: 64 Resp: 102079

Ion Ratio Lower Upper

64 100

66 33.1 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

80000

60000

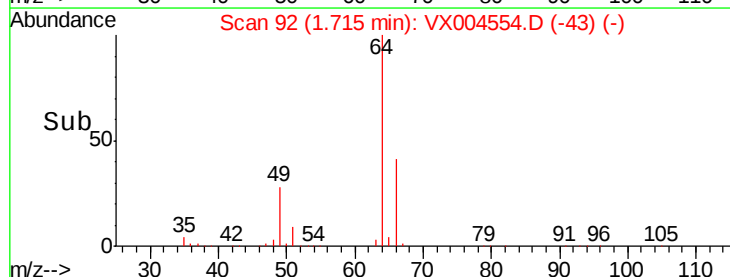
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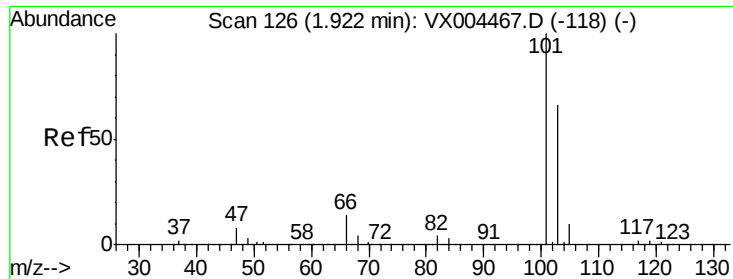
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1.60 1.70 1.80

Time-->





#7

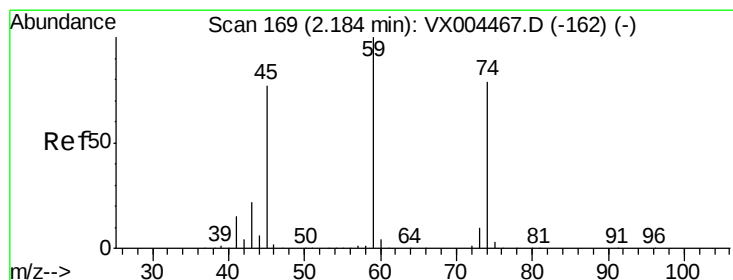
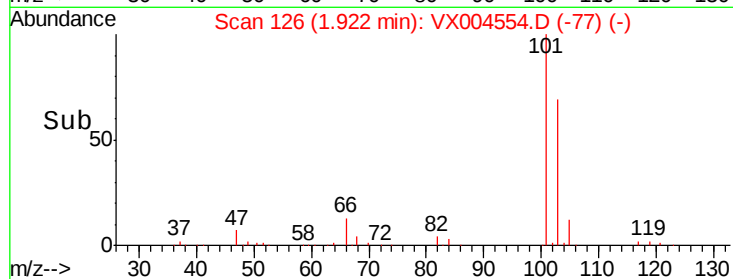
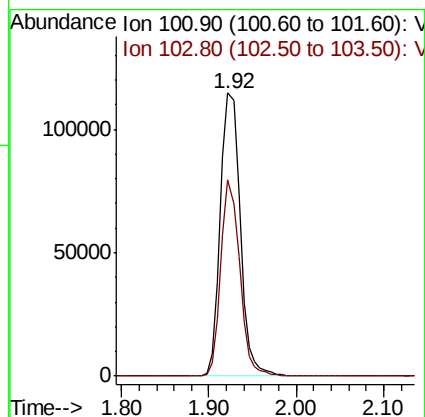
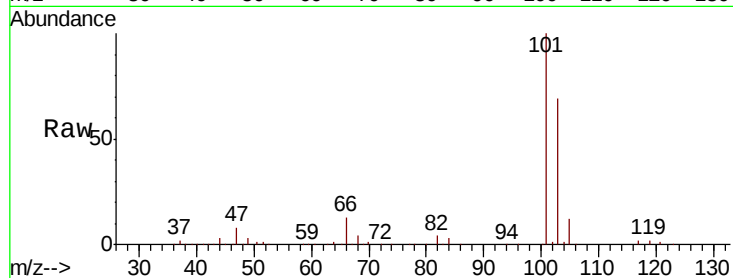
Trichlorofluoromethane
Concen: 42.53 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.00 min
Lab File: VX004554.D
Acq: 15 Sep 2018 00:31

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Tot Ion	Ratio	Lower	Upper
101	100		
103	69.3	48.9	73.3

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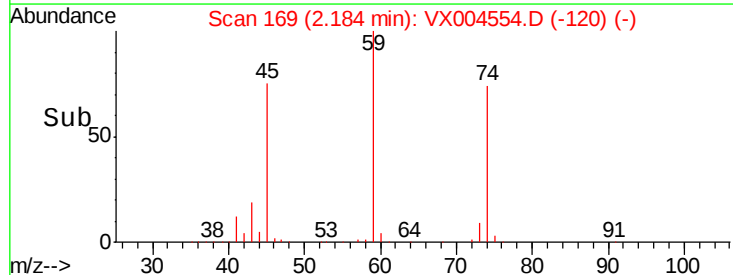
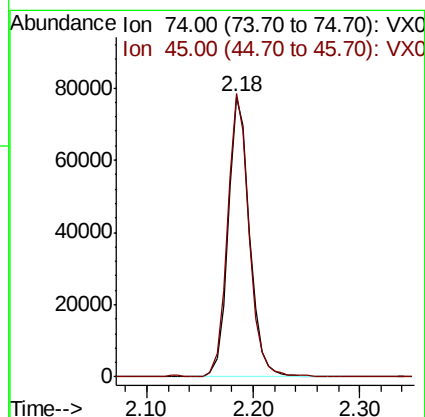
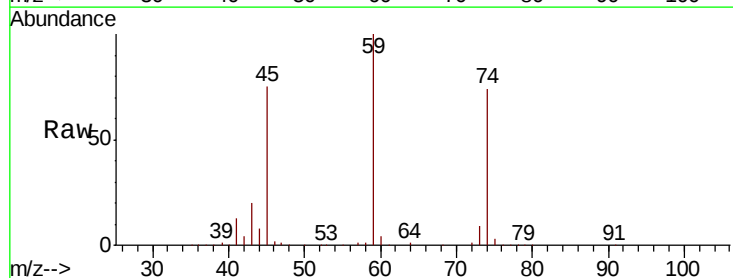
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#8

Diethyl Ether
Concen: 57.25 ug/l
RT: 2.18 min Scan# 169
Delta R.T. -0.00 min
Lab File: VX004554.D
Acq: 15 Sep 2018 00:31

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.9	48.3	144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 42.94 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX004554.D

Acq: 15 Sep 2018 00:31

Instrument :

MSVOA_X

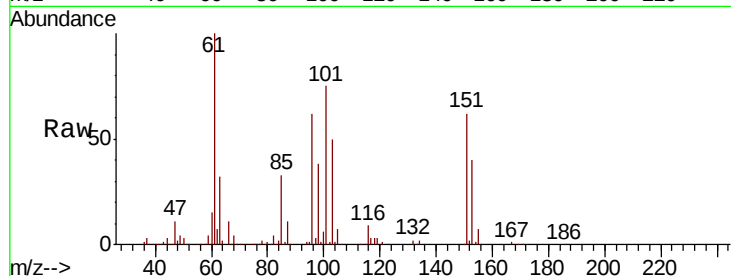
ClientSampleId :

VSTDCCC050

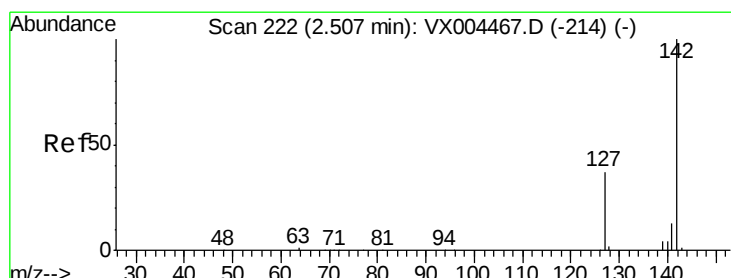
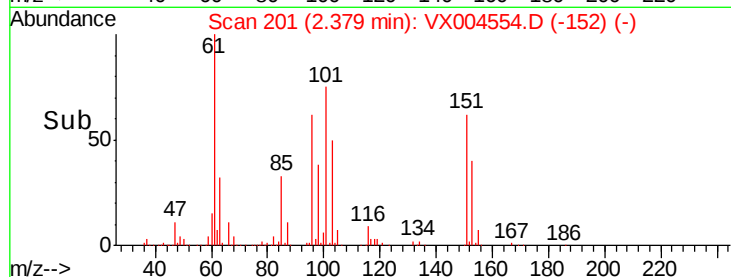
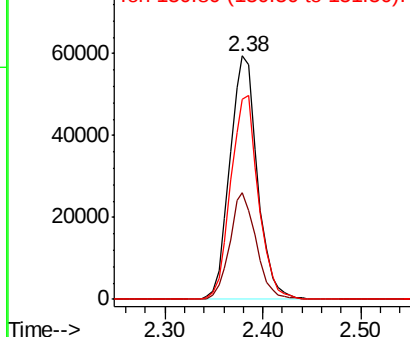
Tot Ion:	101	Resp:	115913
Ion Ratio	Lower	Upper	
101	100		
85	42.2	34.2	51.4
151	83.9	65.0	97.6

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 42.41 ug/l

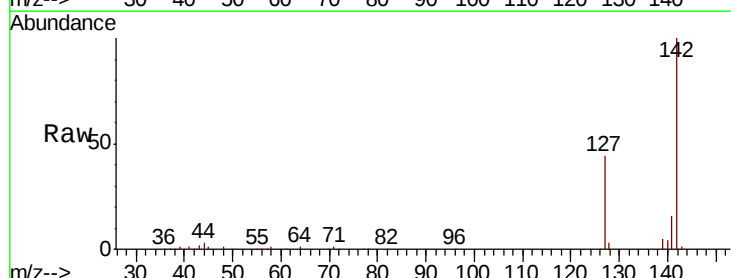
RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

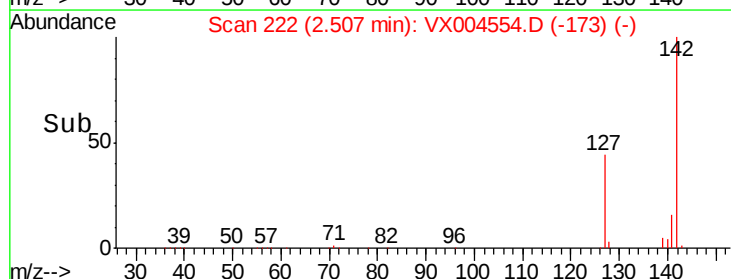
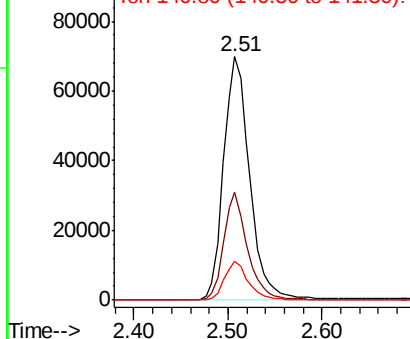
Lab File: VX004554.D

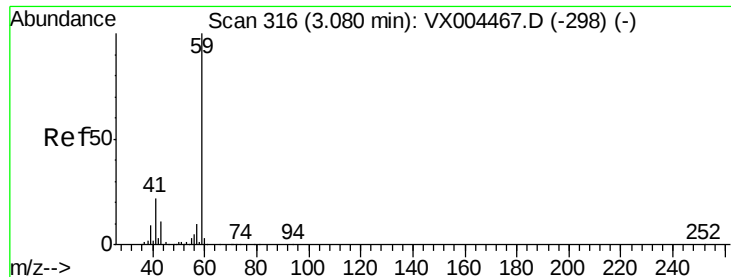
Acq: 15 Sep 2018 00:31

Tgt Ion:	142	Resp:	134561
Ion Ratio	Lower	Upper	
142	100		
127	40.3	33.8	50.6
141	14.6	11.4	17.0



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





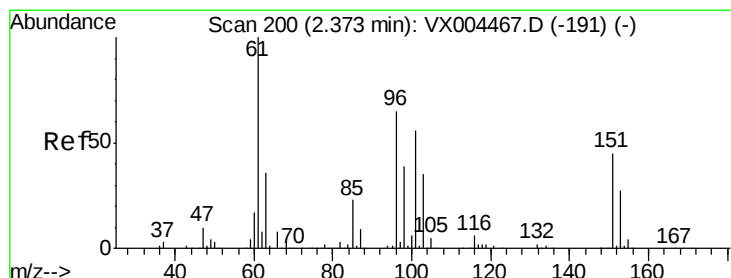
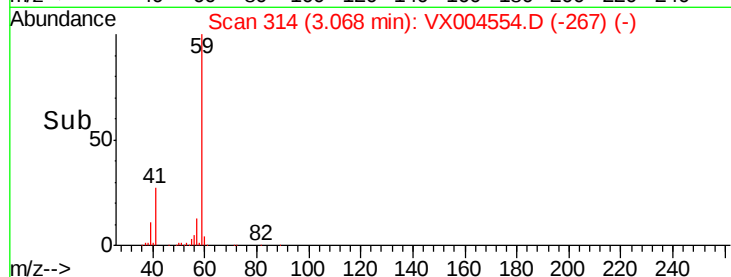
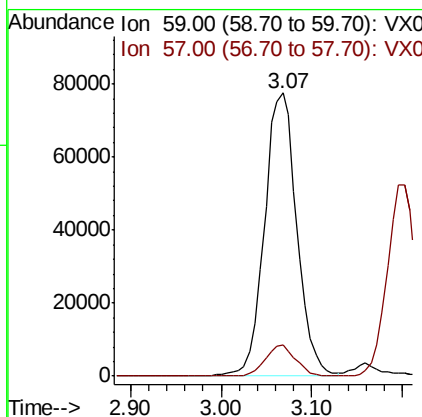
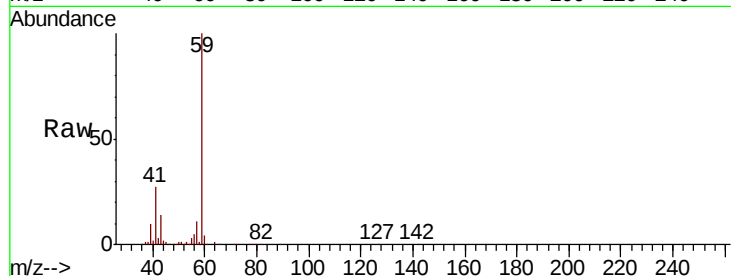
#11
Tert butyl alcohol
Concen: 256.30 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX004554.D
Acq: 15 Sep 2018 00:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 191208
Ion Ratio Lower Upper
59 100
57 10.3 8.2 12.4

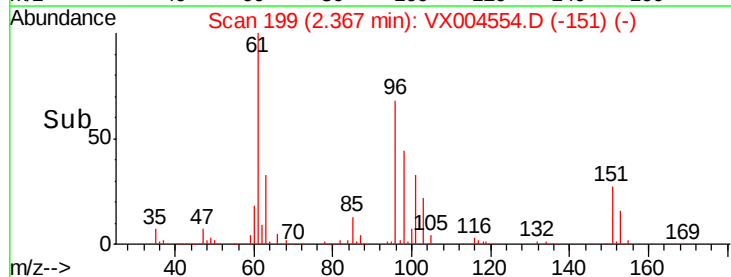
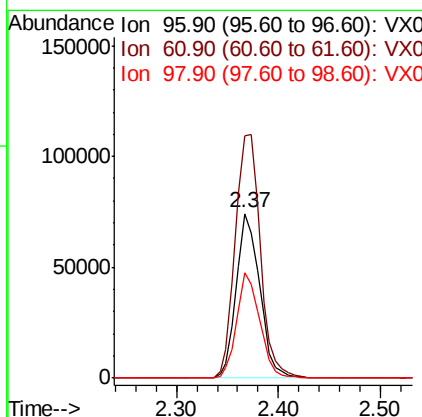
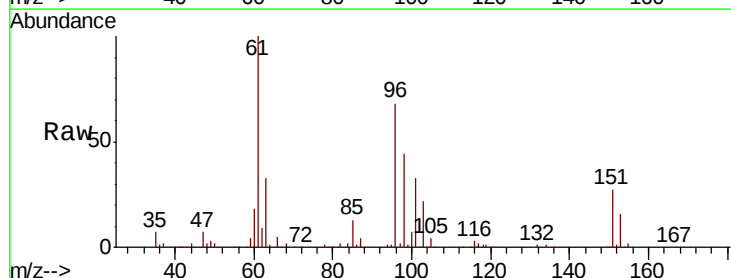
Manual Integrations
APPROVED

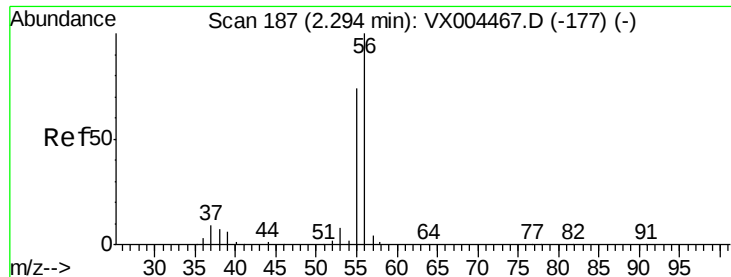
MMDadoda
9/17/2018 5:09:27 PM



#12
1,1-Dichloroethene
Concen: 46.62 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX004554.D
Acq: 15 Sep 2018 00:31

Tgt Ion: 96 Resp: 118125
Ion Ratio Lower Upper
96 100
61 147.2 128.8 193.2
98 64.4 52.2 78.2





#13

Acrolein

Concen: 256.77 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX004554.D

Acq: 15 Sep 2018 00:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 75618

Ion Ratio Lower Upper

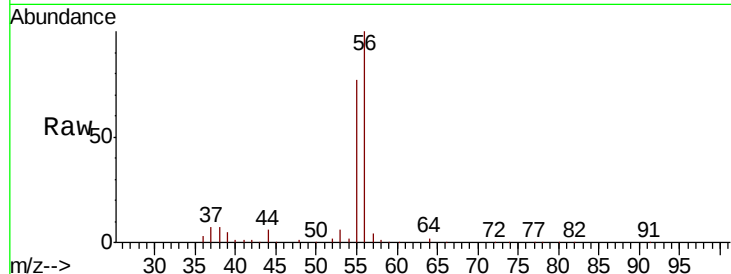
56 100

55 72.5 54.7 82.1

Manual Integrations
APPROVED

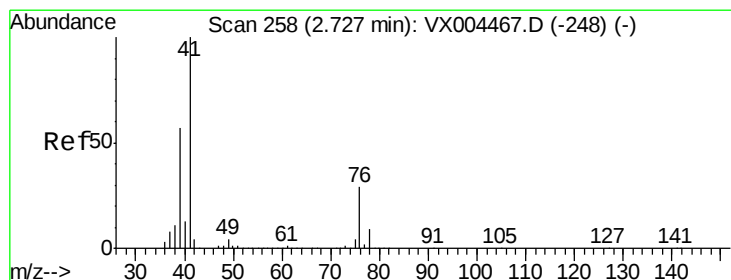
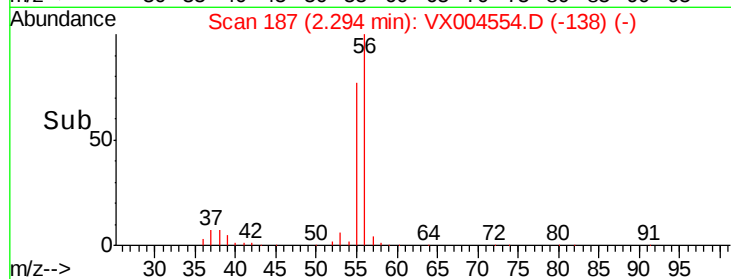
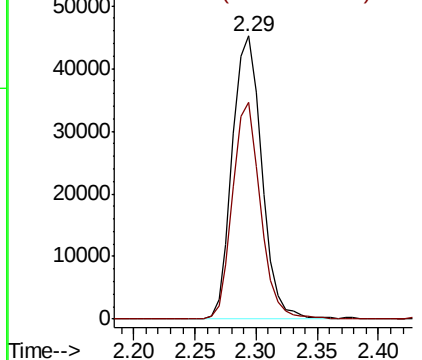
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 49.70 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.01 min

Lab File: VX004554.D

Acq: 15 Sep 2018 00:31

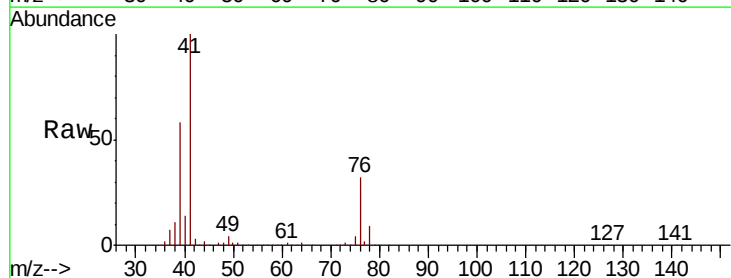
Tgt Ion: 41 Resp: 258861

Ion Ratio Lower Upper

41 100

39 56.6 48.9 73.3

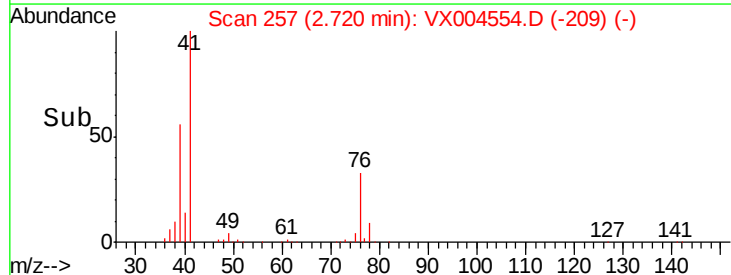
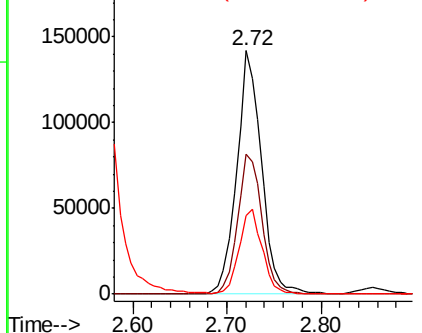
76 32.7 26.7 40.1

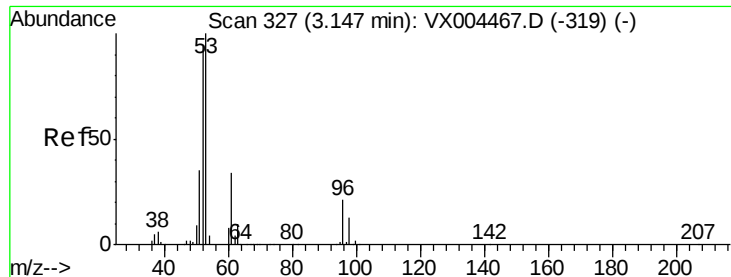


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 269.30 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX004554.D

Acq: 15 Sep 2018 00:31

Instrument :

MSVOA_X

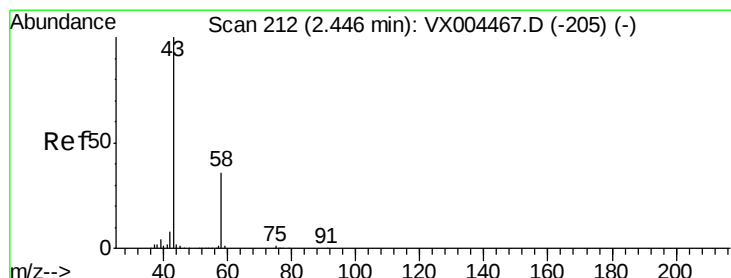
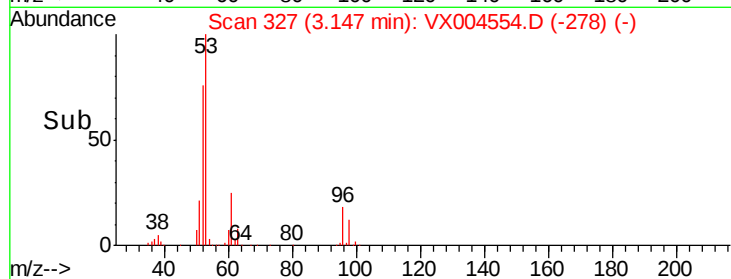
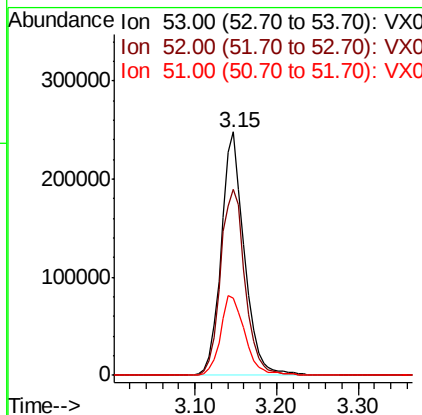
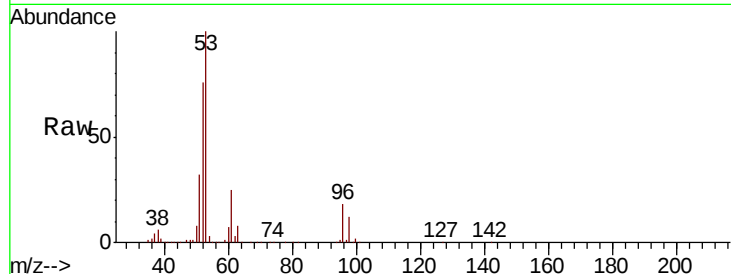
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	483799
Ion	Ratio	Lower	Upper
53	100		
52	81.6	65.2	97.8
51	34.9	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 248.11 ug/l

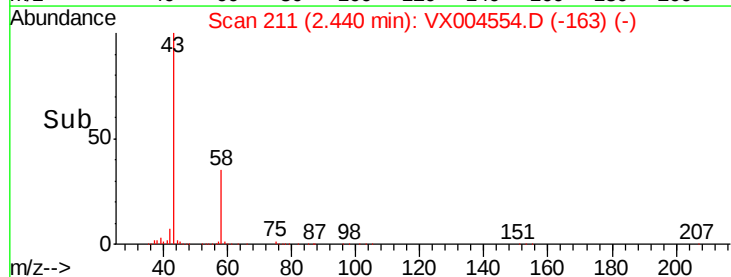
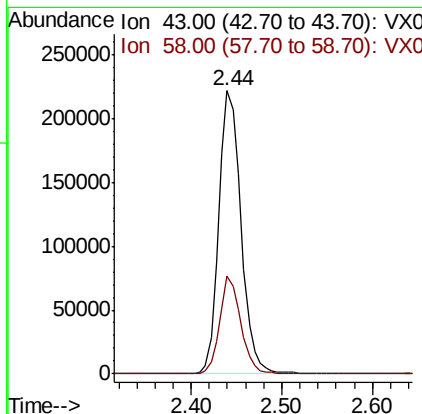
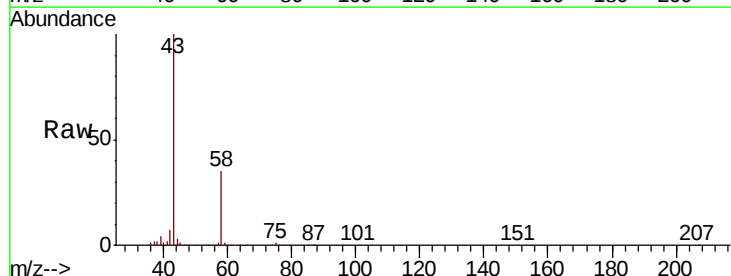
RT: 2.44 min Scan# 211

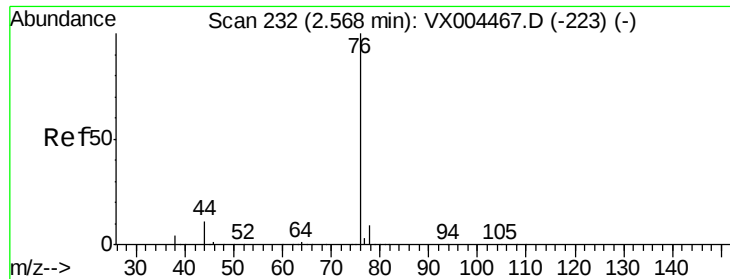
Delta R.T. -0.01 min

Lab File: VX004554.D

Acq: 15 Sep 2018 00:31

Tgt Ion:	43	Resp:	378607
Ion	Ratio	Lower	Upper
43	100		
58	34.6	26.2	39.4





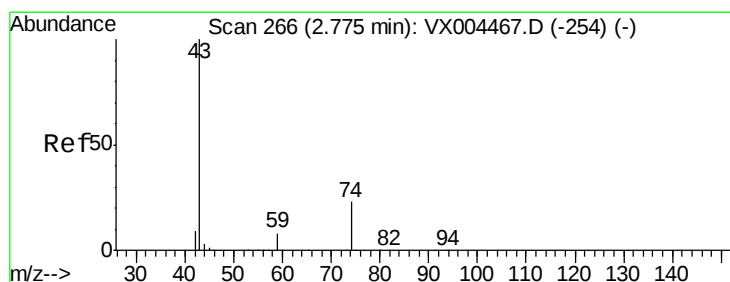
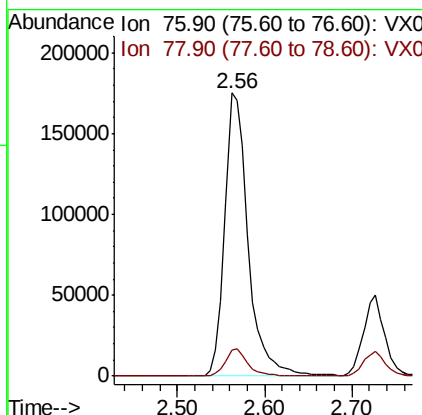
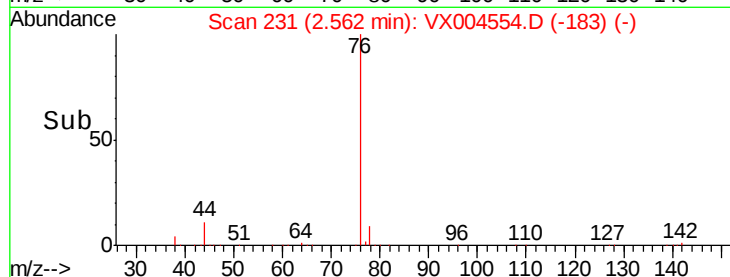
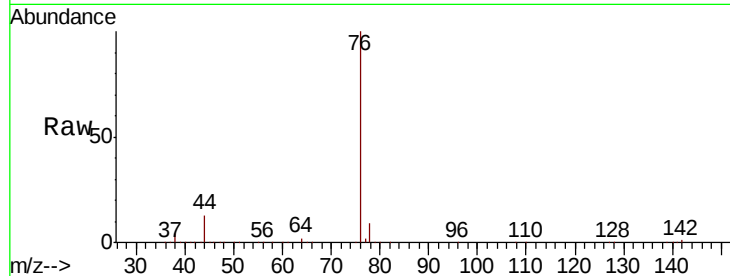
#17
Carbon Disulfide
Concen: 44.42 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.01 min
Lab File: VX004554.D
Acq: 15 Sep 2018 00:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.0	10.6

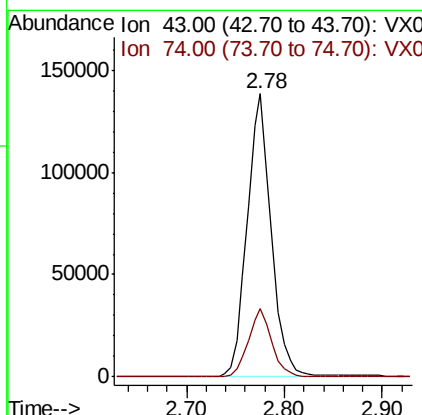
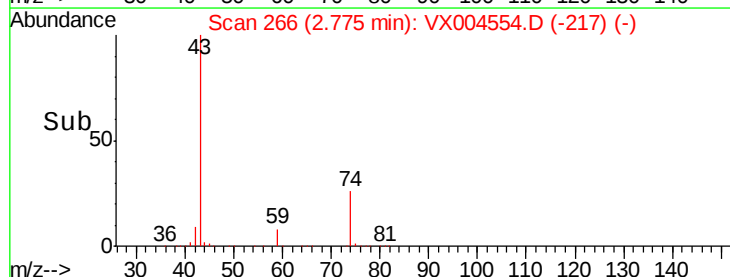
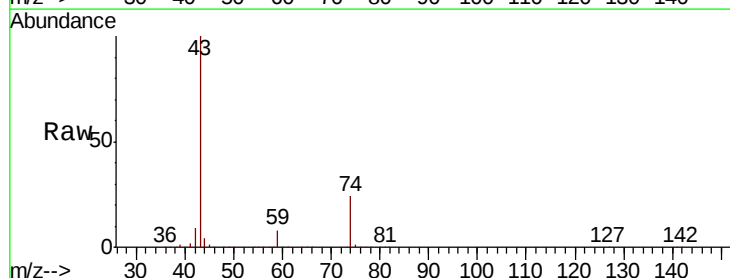
Manual Integrations
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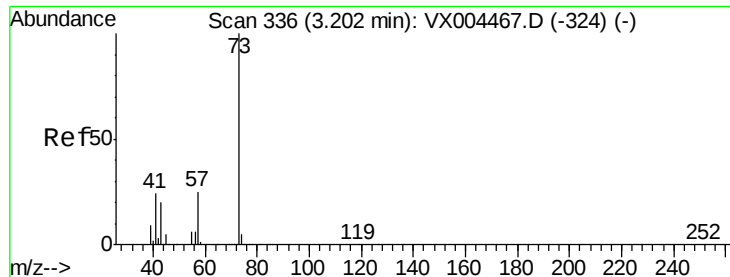
MMDadoda
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#18
Methyl Acetate
Concen: 54.89 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX004554.D
Acq: 15 Sep 2018 00:31

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.6	19.4	29.2





#19

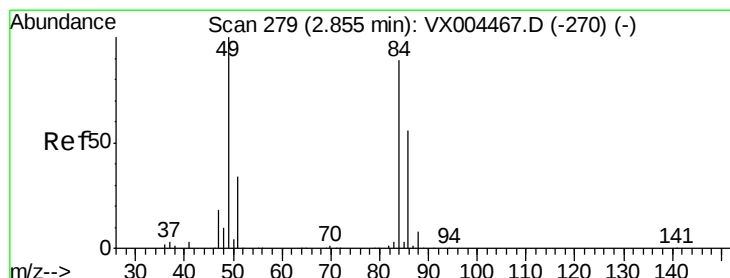
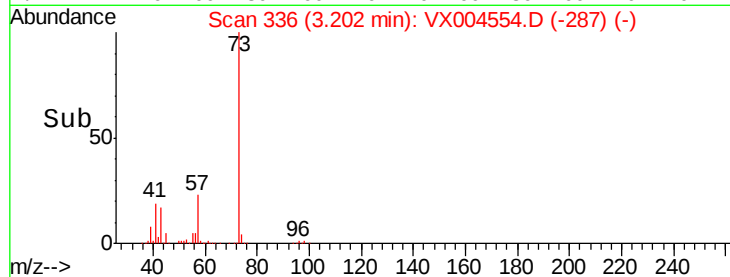
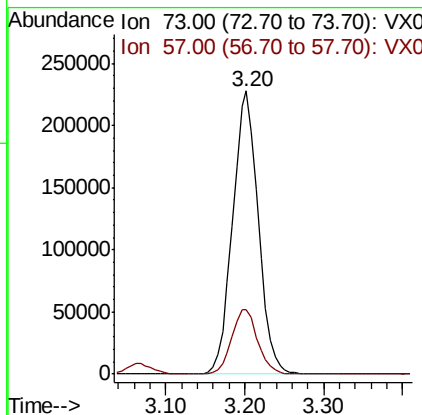
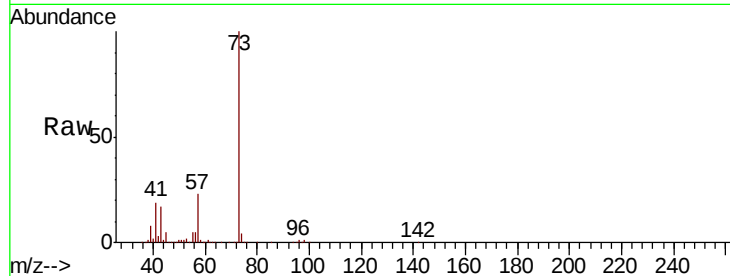
Methyl tert-butyl Ether
 Concen: 57.96 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. -0.00 min
 Lab File: VX004554.D
 Acq: 15 Sep 2018 00:31

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.9	17.1	25.7

Manual Integrations
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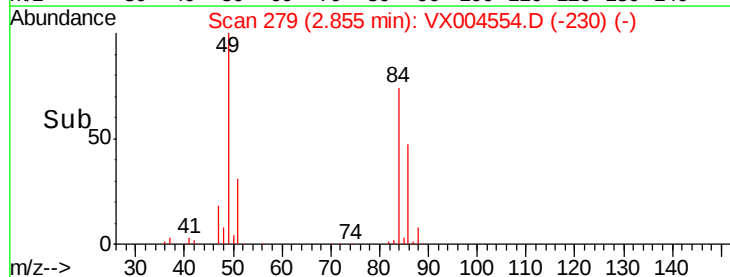
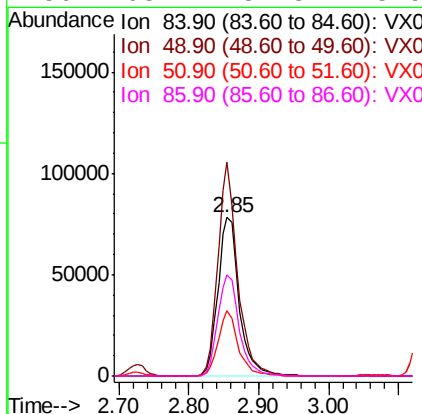
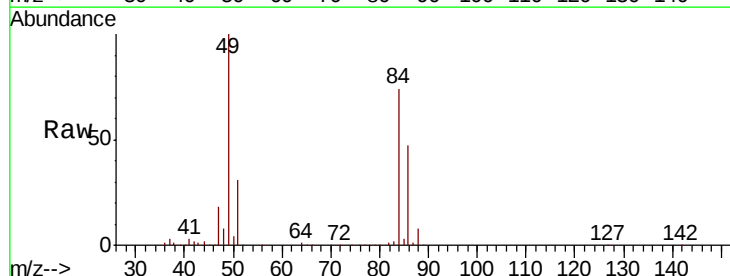
MMDadoda
 9/17/2018 5:09:27 PM



#20

Methylene Chloride
 Concen: 52.61 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. -0.00 min
 Lab File: VX004554.D
 Acq: 15 Sep 2018 00:31

Tgt Ion	Ratio	Lower	Upper
84	100		
49	134.7	101.2	151.8
51	41.2	29.5	44.3
86	63.7	52.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 51.02 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX004554.D

Acq: 15 Sep 2018 00:31

Instrument :

MSVOA_X

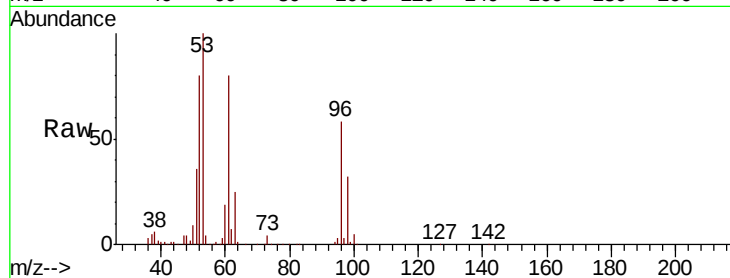
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	142834
Ion	Ratio	Lower	Upper
96	100		
61	139.7	113.8	170.6
98	55.8	51.8	77.8

Manual Integrations
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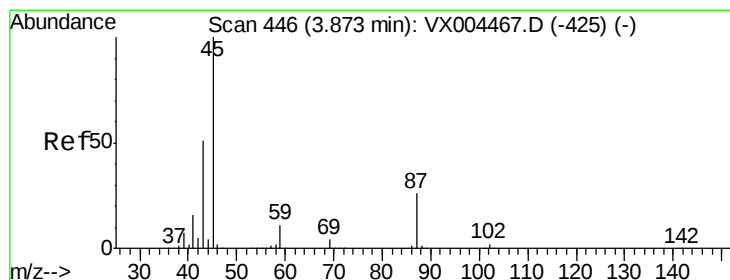
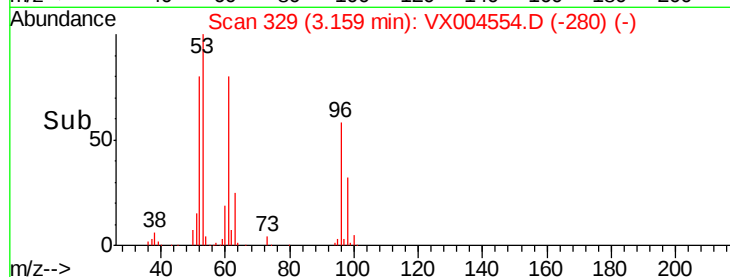
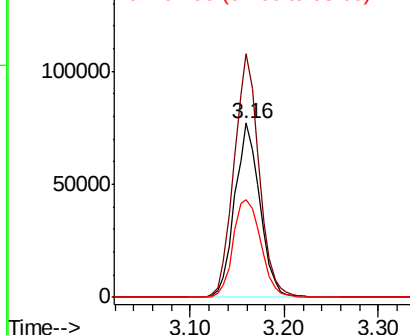


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 56.28 ug/l

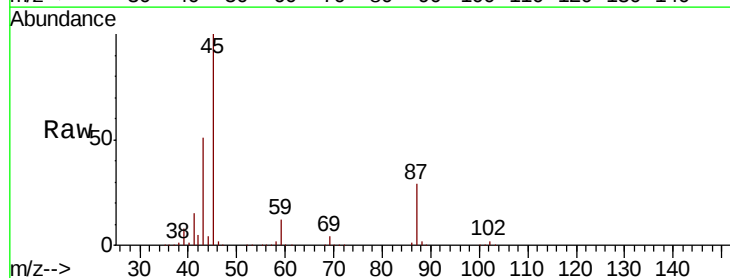
RT: 3.87 min Scan# 445

Delta R.T. -0.01 min

Lab File: VX004554.D

Acq: 15 Sep 2018 00:31

Tgt Ion:	45	Resp:	527976
Ion	Ratio	Lower	Upper
45	100		
43	50.7	42.8	64.2
87	28.6	22.6	34.0
59	11.9	9.6	14.4



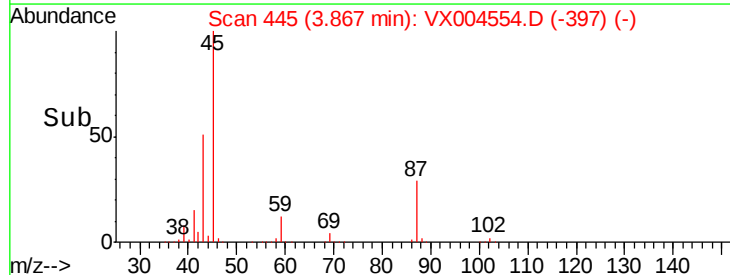
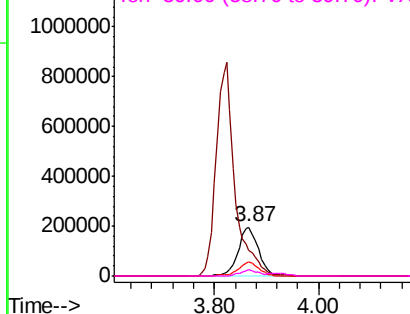
Abundance

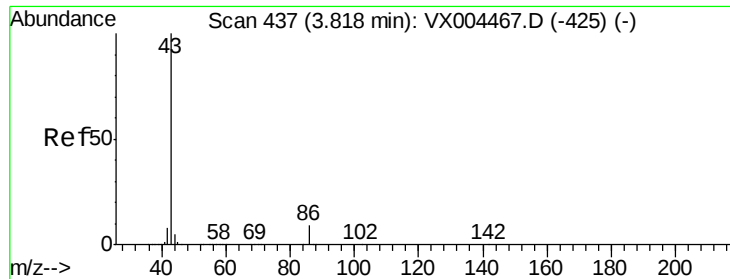
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 286.86 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX004554.D

Acq: 15 Sep 2018 00:31

Instrument :

MSVOA_X

ClientSampleID :

VSTDCCC050

Tot Ion: 43 Resp: 2177789

Ion Ratio Lower Upper

43 100

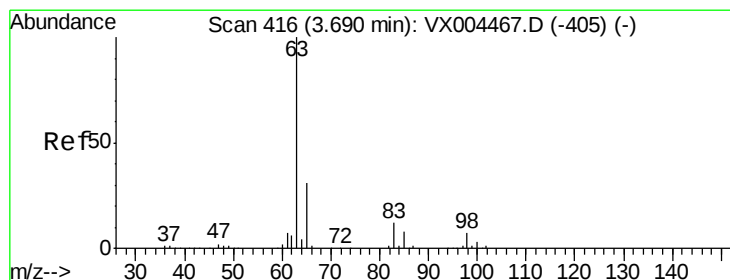
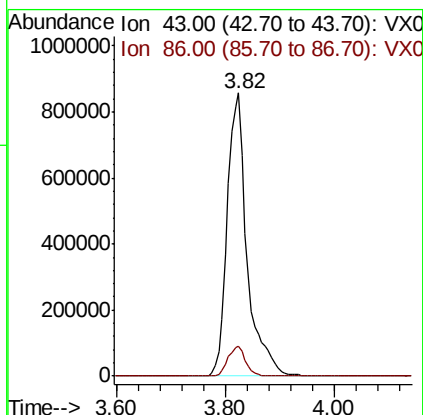
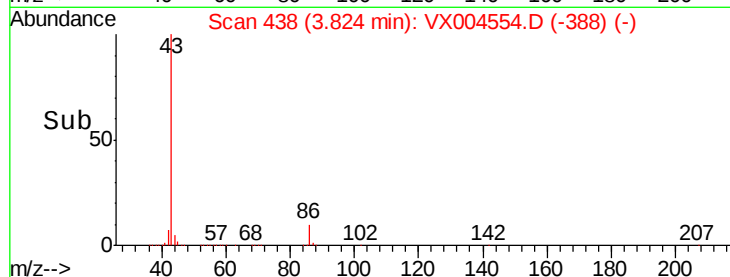
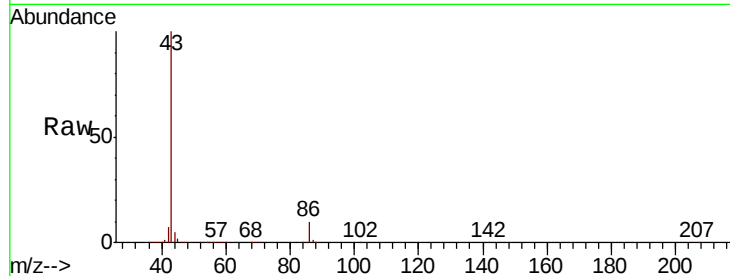
86 10.5 8.9 13.3

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 53.59 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.00 min

Lab File: VX004554.D

Acq: 15 Sep 2018 00:31

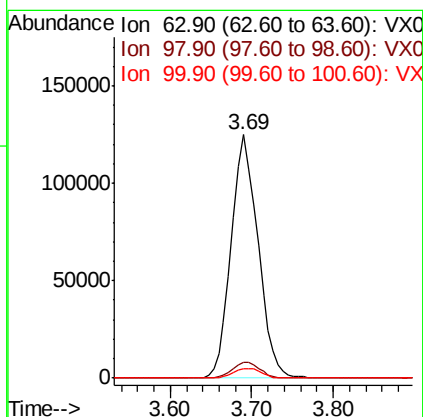
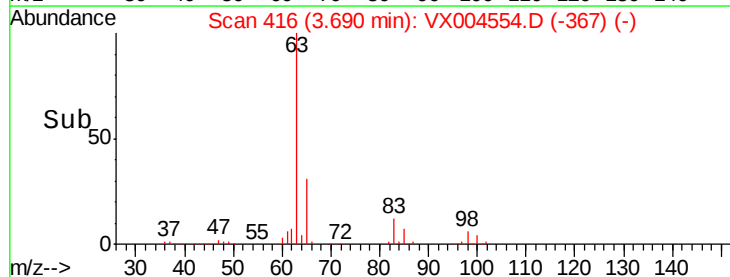
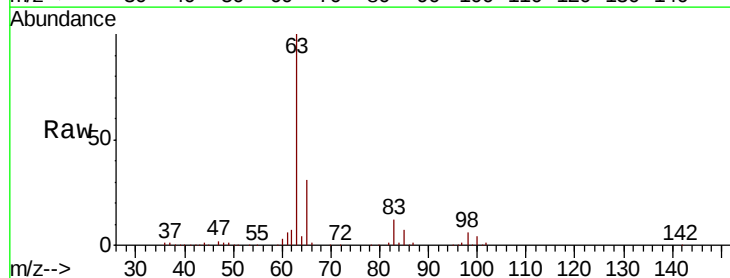
Tgt Ion: 63 Resp: 283850

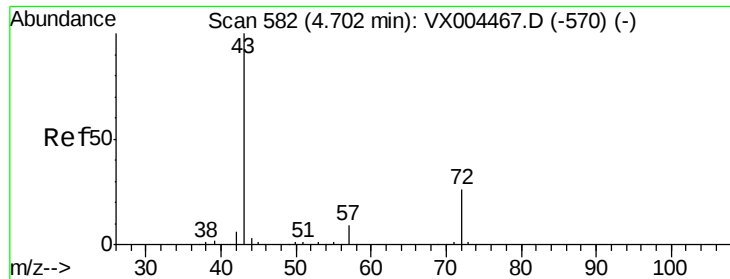
Ion Ratio Lower Upper

63 100

98 6.2 3.5 10.4

100 3.9 2.4 7.1





#25

2-Butanone

Concen: 244.34 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX004554.D

Acq: 15 Sep 2018 00:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 593409

Ion Ratio Lower Upper

43 100

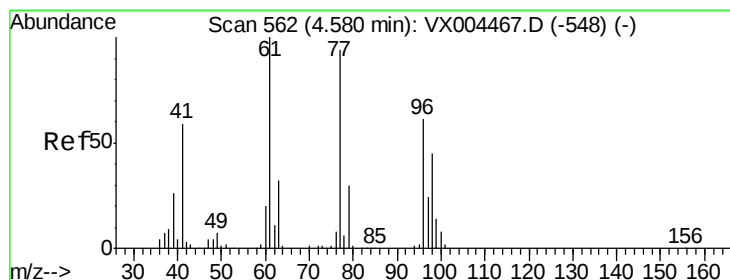
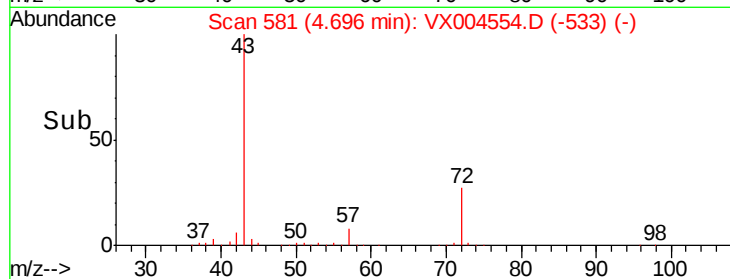
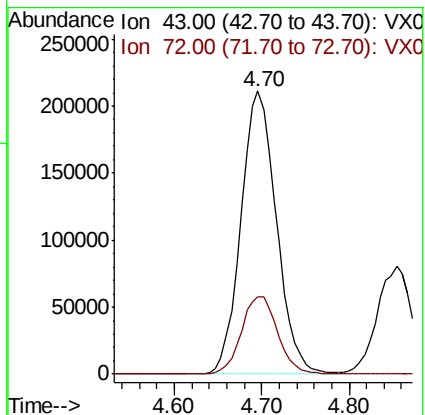
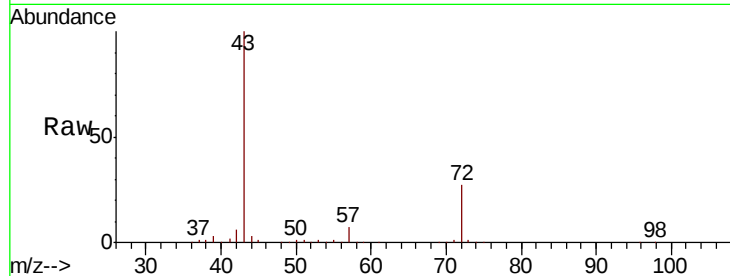
72 27.4 22.0 33.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 41.86 ug/l

RT: 4.57 min Scan# 561

Delta R.T. -0.01 min

Lab File: VX004554.D

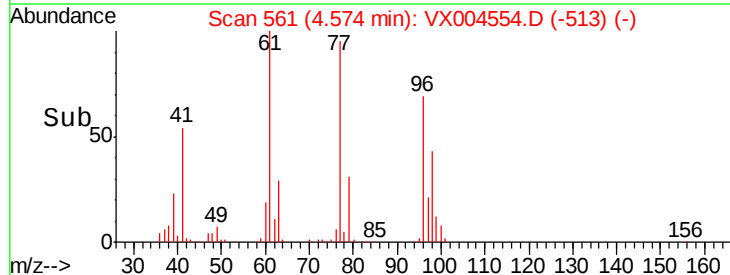
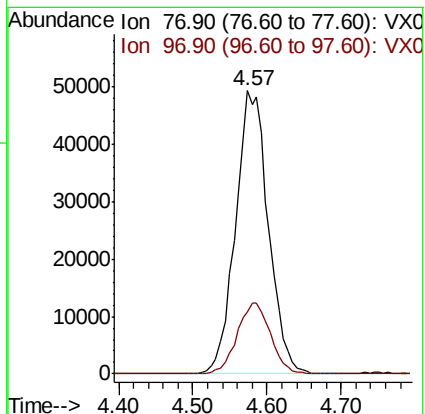
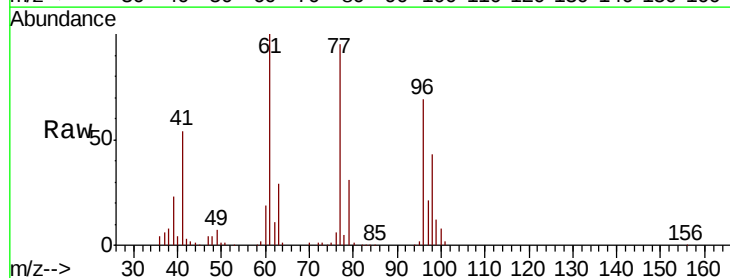
Acq: 15 Sep 2018 00:31

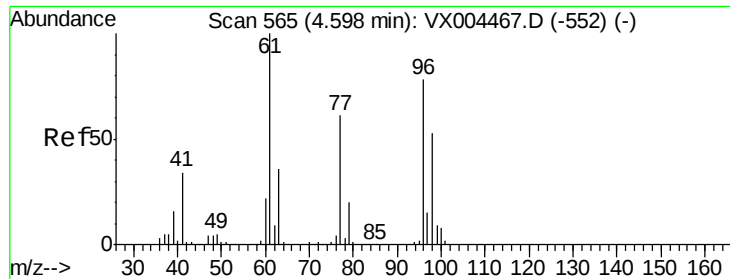
Tgt Ion: 77 Resp: 152280

Ion Ratio Lower Upper

77 100

97 25.4 11.7 35.0





#27

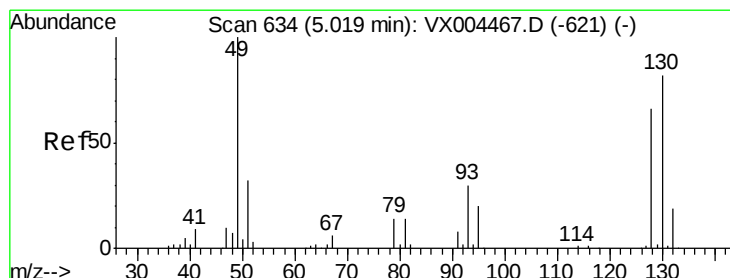
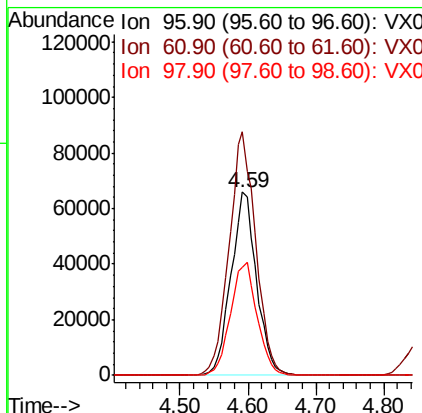
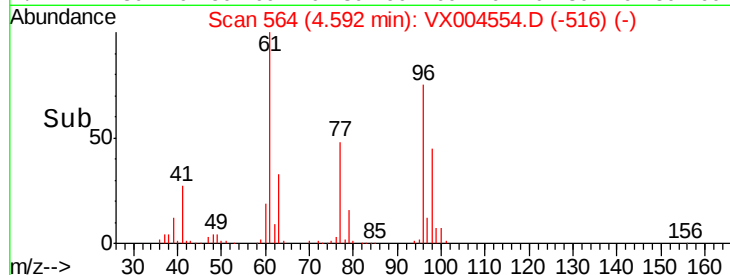
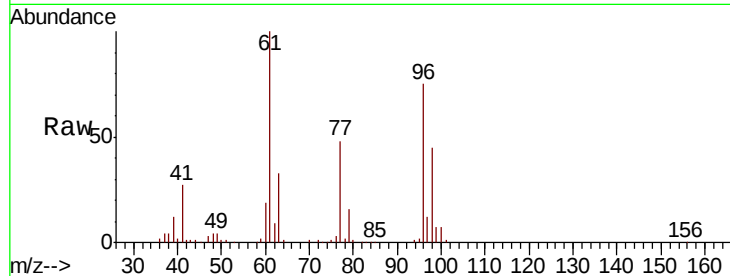
cis-1,2-Dichloroethene
Concen: 54.69 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX004554.D
Acq: 15 Sep 2018 00:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	170927		
61	138.7	0.0	282.6	
98	64.6	0.0	130.2	

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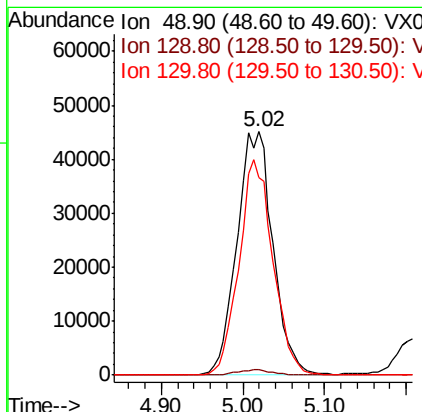
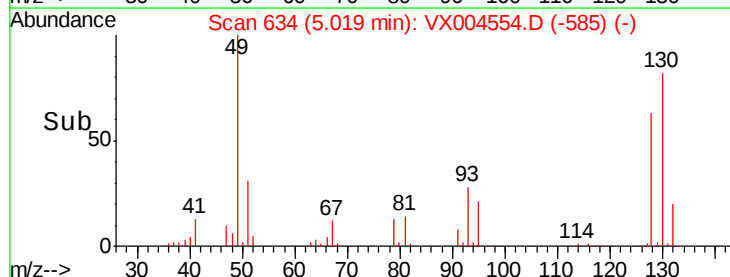
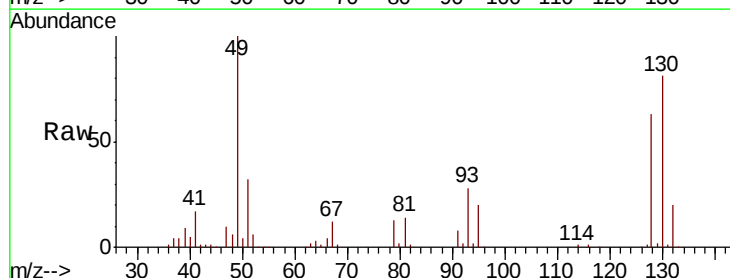
MMDadoda
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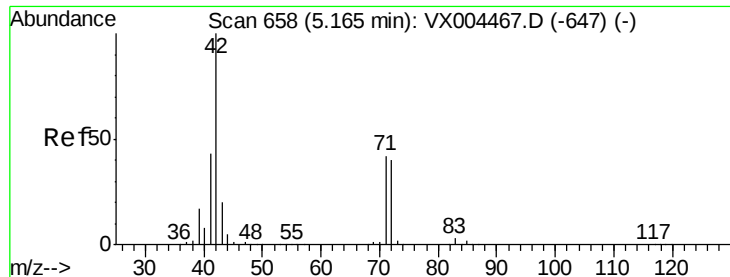


#28

Bromochloromethane
Concen: 57.05 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX004554.D
Acq: 15 Sep 2018 00:31

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	138216		
129	2.0	0.0	4.2	
130	83.4	67.5	101.3	





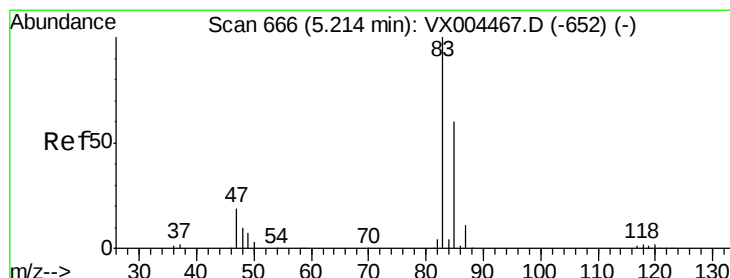
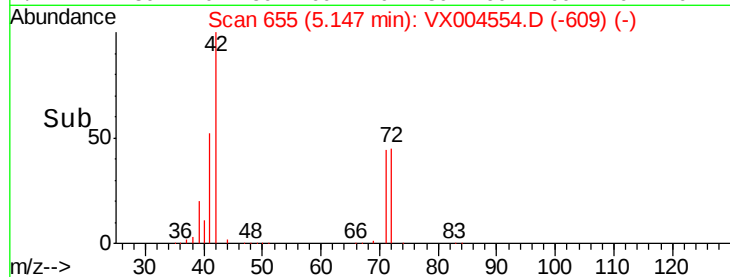
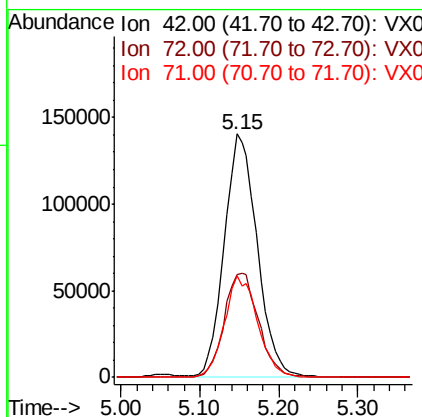
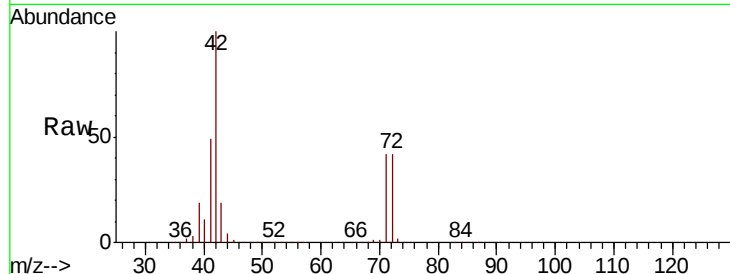
#29
Tetrahydrofuran
Concen: 277.91 ug/l
RT: 5.15 min Scan# 655
Delta R.T. -0.02 min
Lab File: VX004554.D
Acq: 15 Sep 2018 00:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	42	Resp:	407024
Ion	Ratio	Lower	Upper
42	100		
72	45.1	37.4	56.0
71	41.9	34.5	51.7

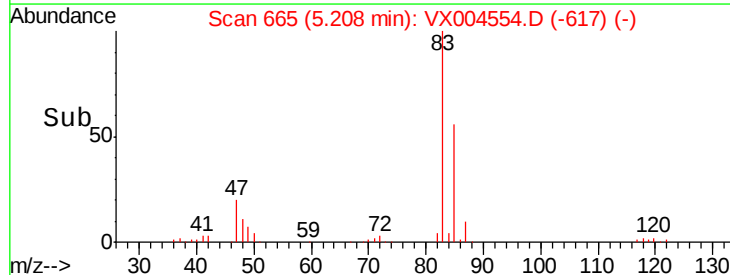
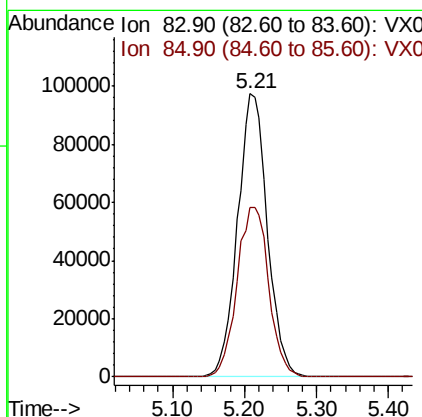
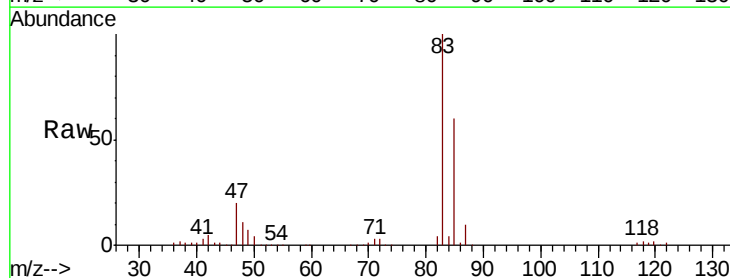
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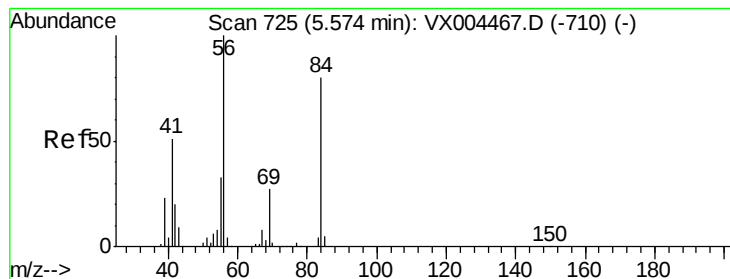
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#30
Chloroform
Concen: 53.98 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX004554.D
Acq: 15 Sep 2018 00:31

Tgt Ion:	83	Resp:	279116
Ion	Ratio	Lower	Upper
83	100		
85	59.8	52.6	79.0





#31

Cyclohexane

Concen: 45.13 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX004554.D

Acq: 15 Sep 2018 00:31

Instrument :

MSVOA_X

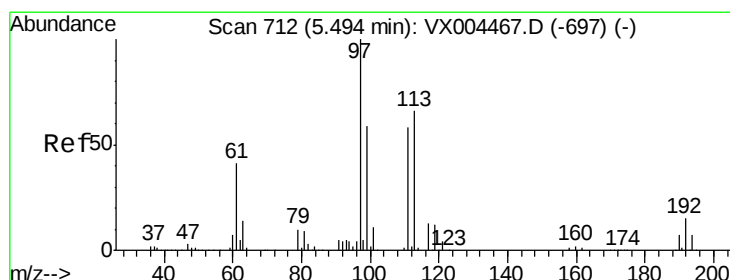
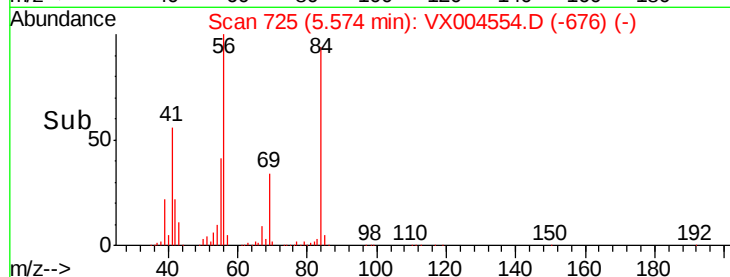
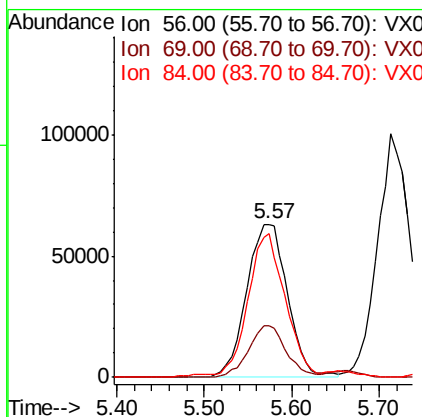
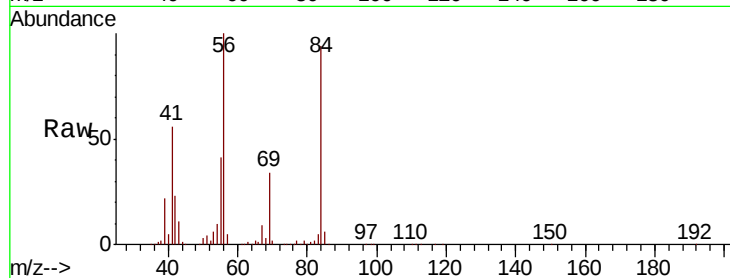
ClientSampled :

VSTDCCC050

Tot Ion:	56	Resp:	204083
Ion	Ratio	Lower	Upper
56	100		
69	33.9	25.4	38.2
84	92.9	71.4	107.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 49.55 ug/l

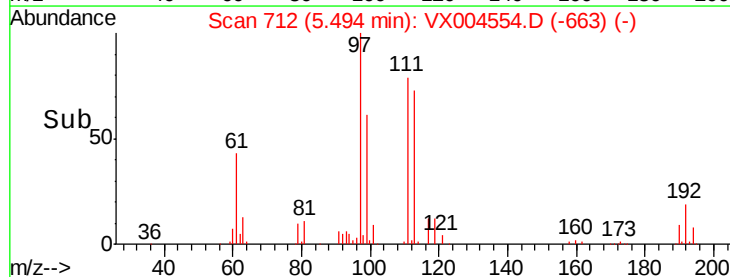
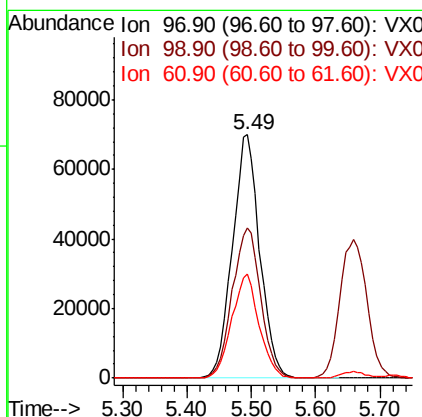
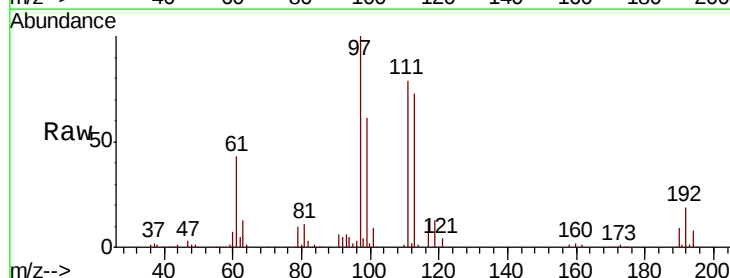
RT: 5.49 min Scan# 712

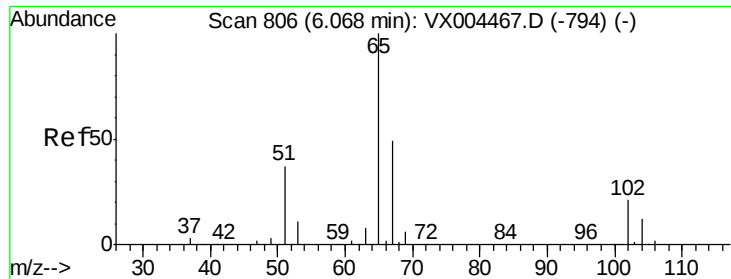
Delta R.T. -0.00 min

Lab File: VX004554.D

Acq: 15 Sep 2018 00:31

Tgt Ion:	97	Resp:	206363
Ion	Ratio	Lower	Upper
97	100		
99	64.0	52.0	78.0
61	42.8	34.9	52.3





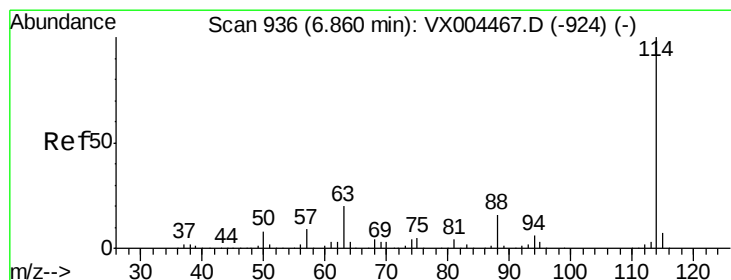
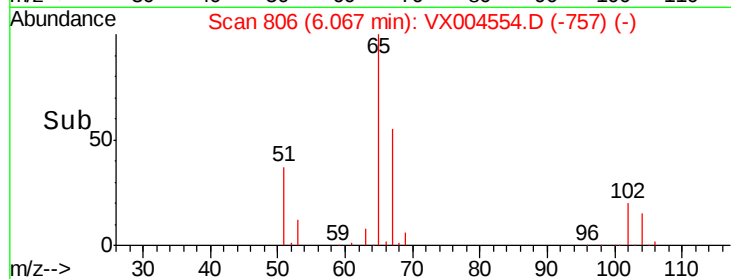
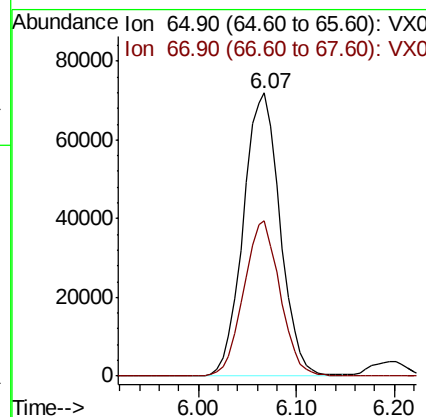
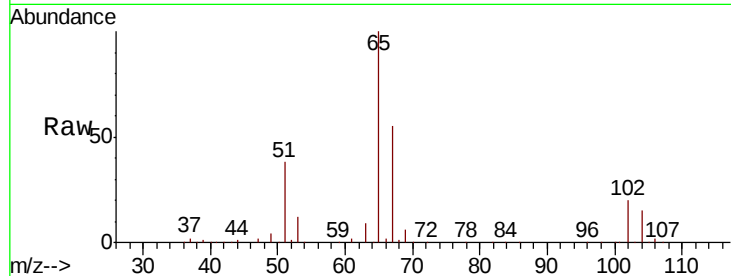
#33
 1,2-Dichloroethane-d4
 Concen: 60.02 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004554.D
 Acq: 15 Sep 2018 00:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.2	0.0	106.8

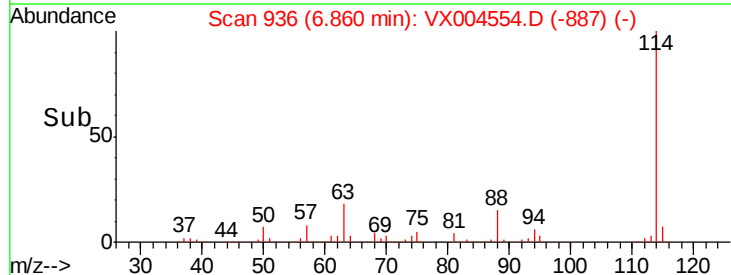
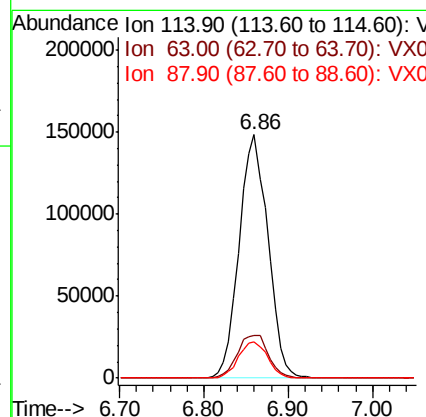
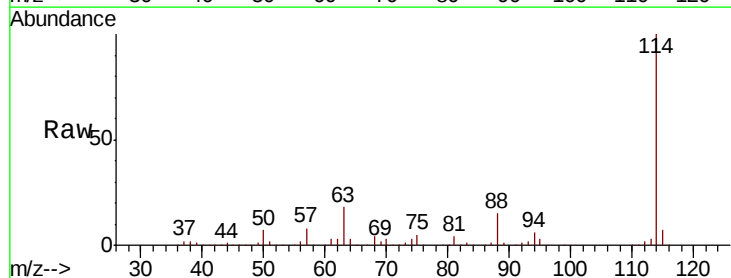
Manual Integrations
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX004554.D
 Acq: 15 Sep 2018 00:31

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.8	0.0	39.0
88	15.1	0.0	30.4





#35

Dibromofluoromethane

Concen: 49.72 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX004554.D

Acq: 15 Sep 2018 00:31

Instrument :

MSVOA_X

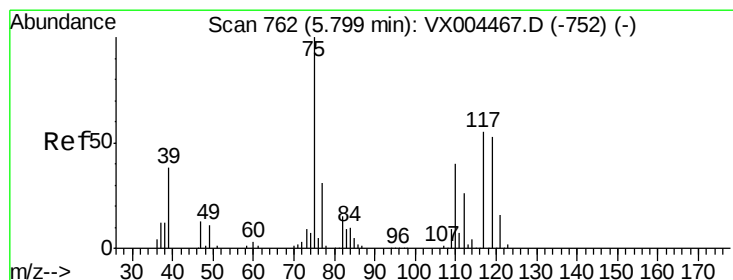
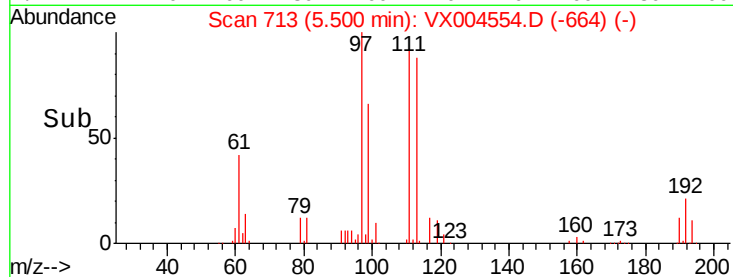
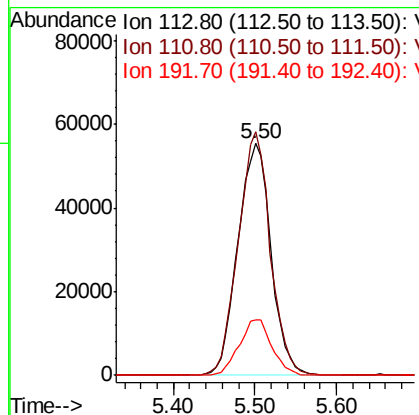
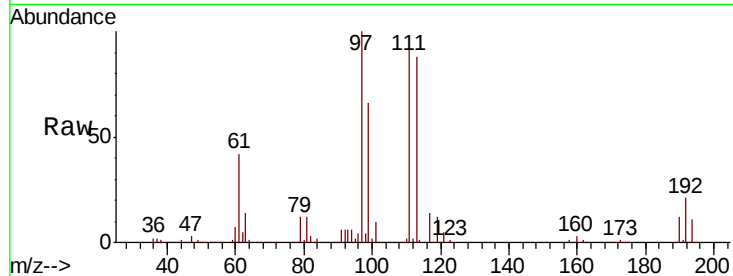
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	156035
Ion Ratio	Lower	Upper	
113	100		
111	101.5	82.4	123.6
192	23.6	19.4	29.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 43.65 ug/l

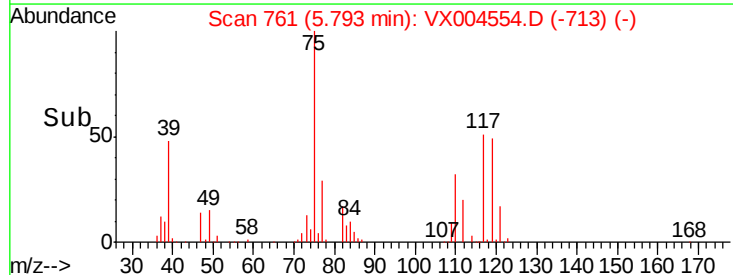
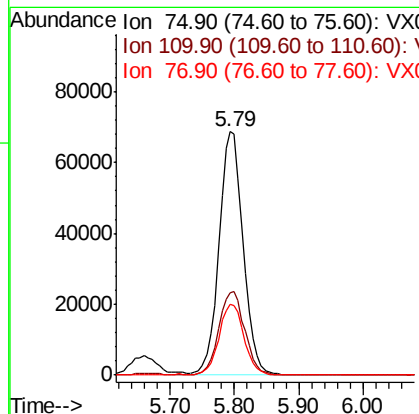
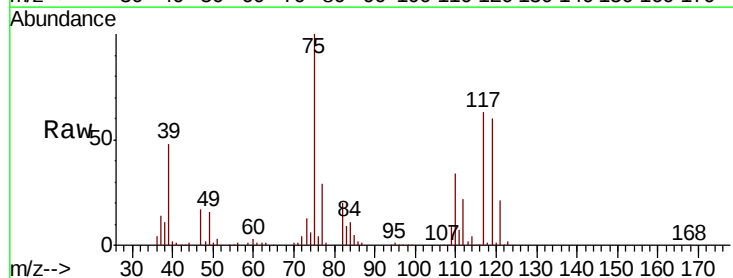
RT: 5.79 min Scan# 761

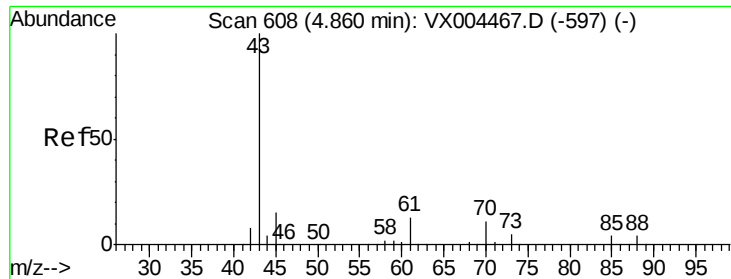
Delta R.T. -0.01 min

Lab File: VX004554.D

Acq: 15 Sep 2018 00:31

Tgt Ion:	75	Resp:	181741
Ion Ratio	Lower	Upper	
75	100		
110	36.7	18.0	54.0
77	30.4	24.6	36.8





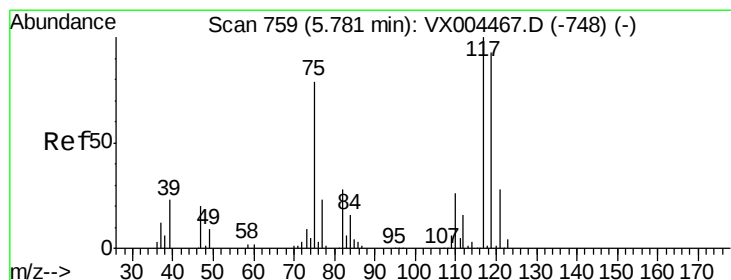
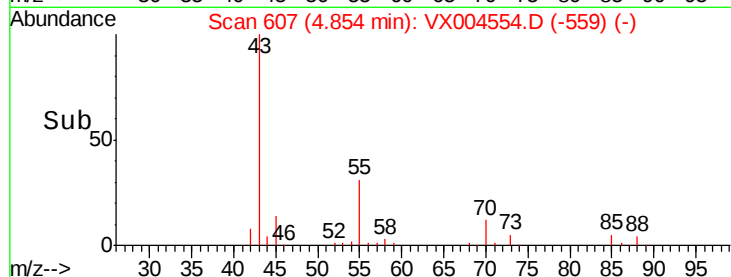
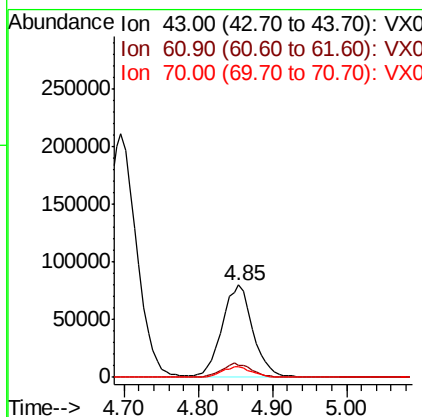
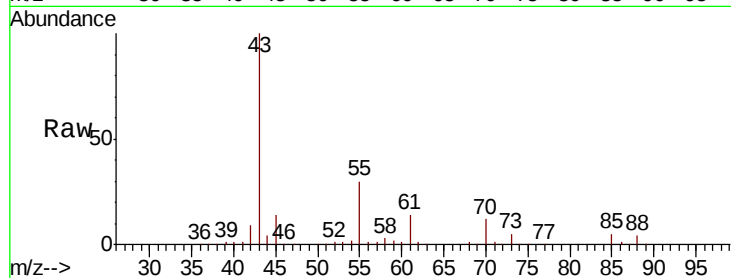
#37
Ethyl Acetate
Concen: 48.55 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.01 min
Lab File: VX004554.D
Acq: 15 Sep 2018 00:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.5	17.3
70	11.5	9.0	13.6

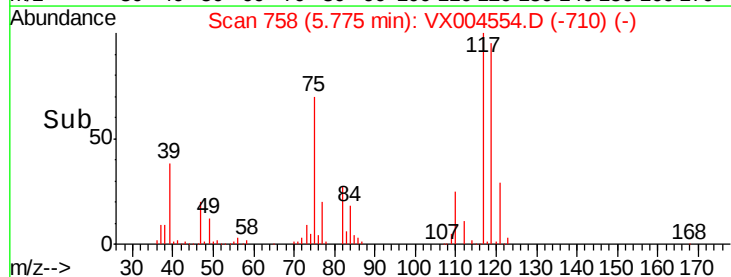
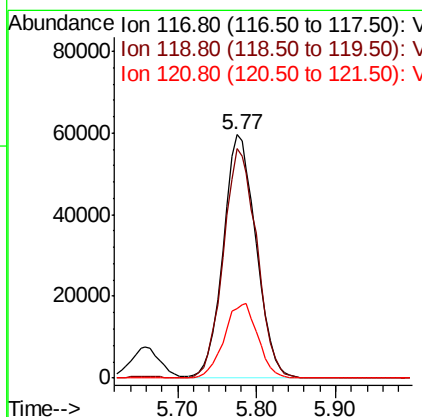
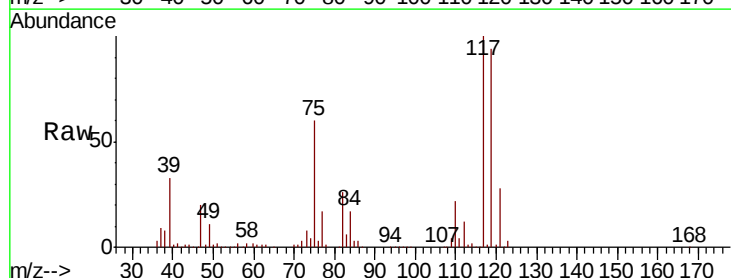
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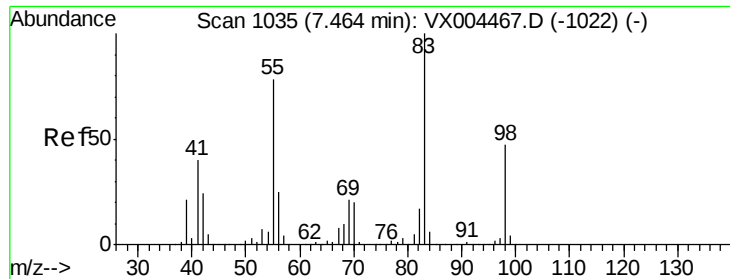
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#38
Carbon Tetrachloride
Concen: 42.36 ug/l
RT: 5.77 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX004554.D
Acq: 15 Sep 2018 00:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.2	78.8	118.2
121	28.5	24.9	37.3





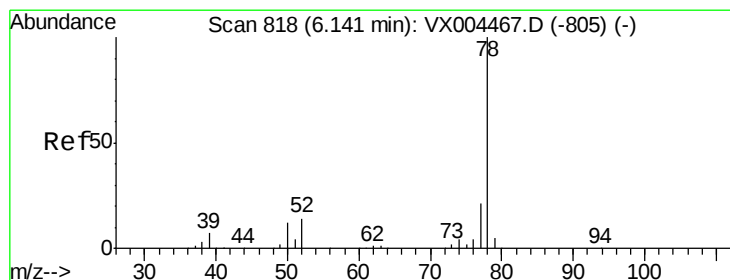
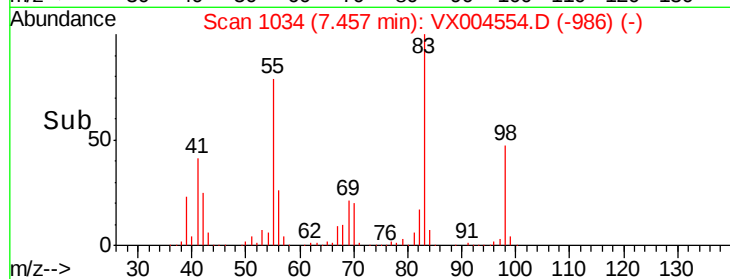
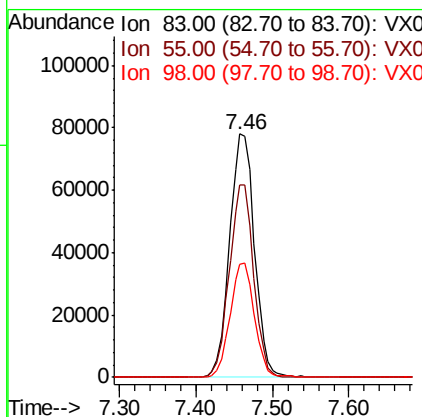
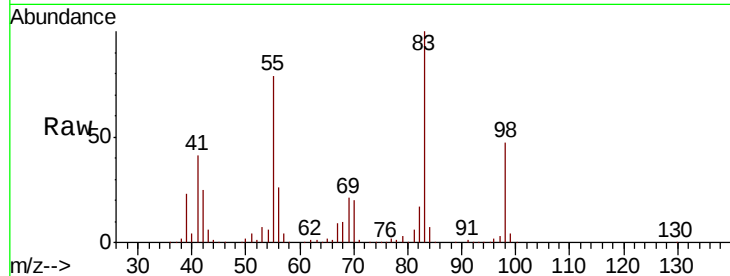
#39
Methvlcvclohexane
Concen: 40.36 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX004554.D
Acq: 15 Sep 2018 00:31

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	175343		
55	79.2		61.0	91.4
98	46.5		39.6	59.4

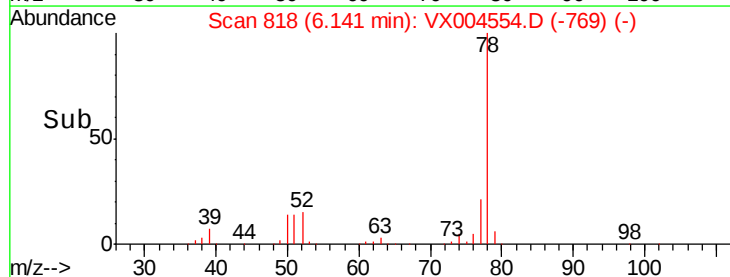
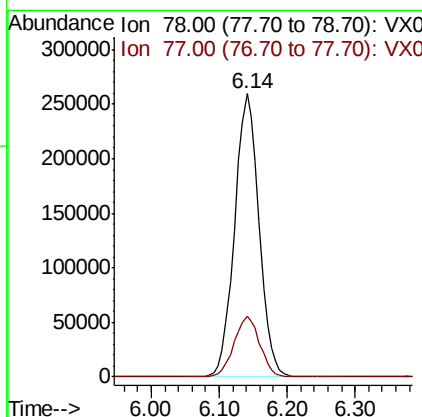
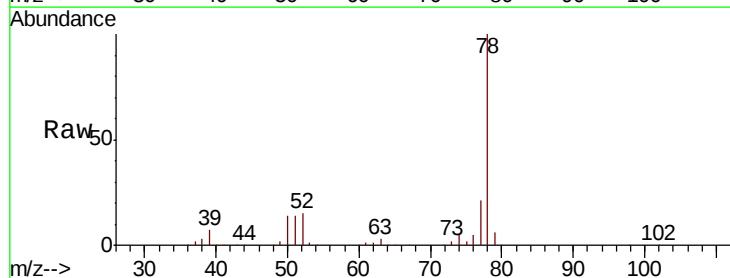
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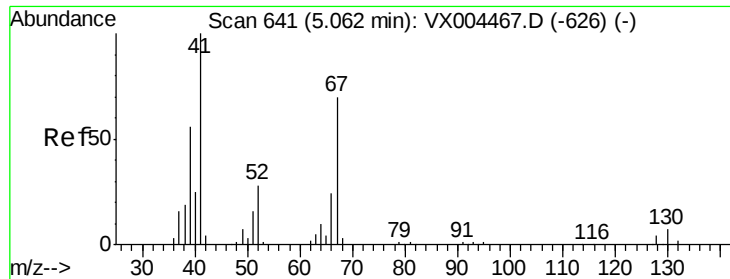
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#40
Benzene
Concen: 52.39 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX004554.D
Acq: 15 Sep 2018 00:31

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	647148		
77	21.3		19.0	28.4





#41

Methacrylonitrile

Concen: 50.76 ug/l

RT: 5.05 min Scan# 639

Delta R.T. -0.01 min

Lab File: VX004554.D

Acq: 15 Sep 2018 00:31

Instrument :

MSVOA_X

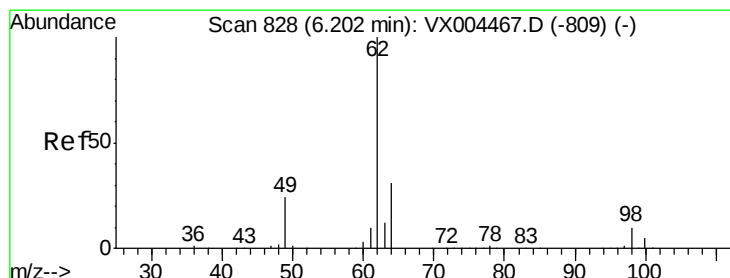
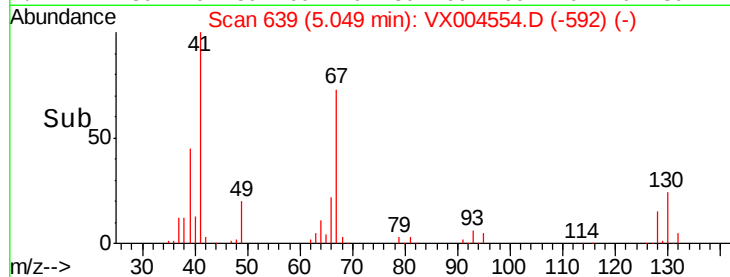
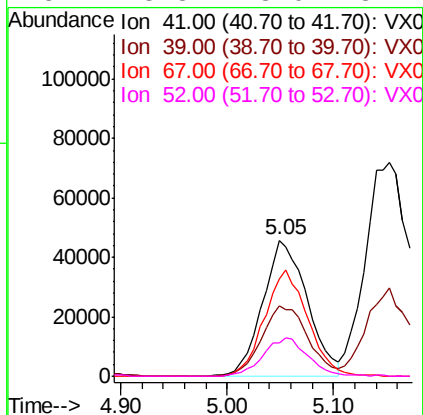
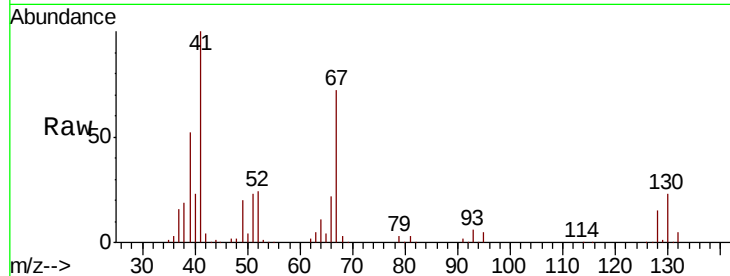
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.0	42.4	63.6	
67	76.5	59.2	88.8	
52	28.3	23.0	34.4	

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 53.04 ug/l

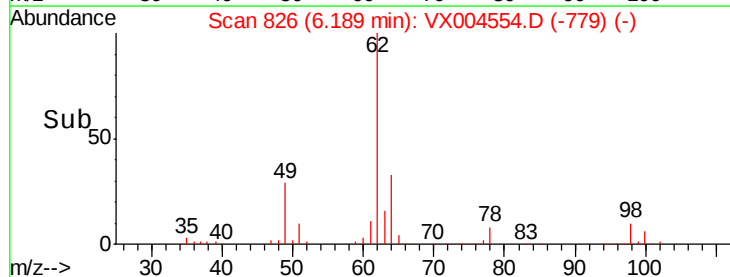
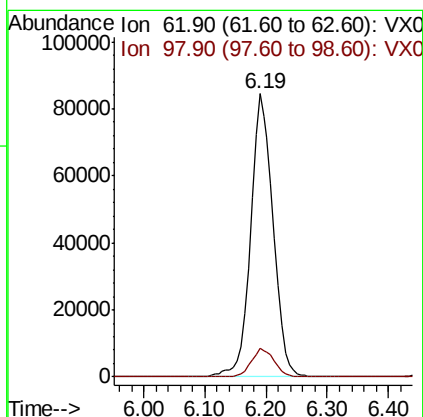
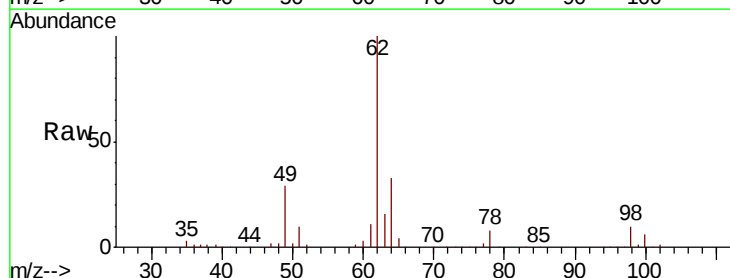
RT: 6.19 min Scan# 826

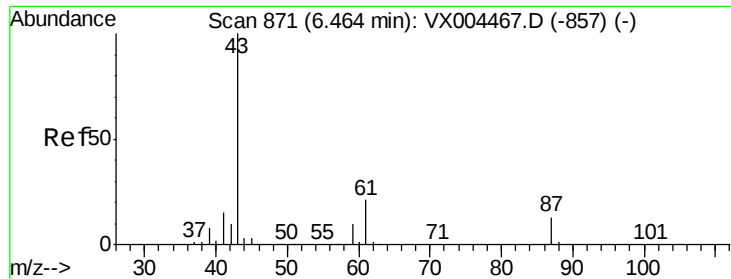
Delta R.T. -0.01 min

Lab File: VX004554.D

Acq: 15 Sep 2018 00:31

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.2	0.0	20.6	





#43

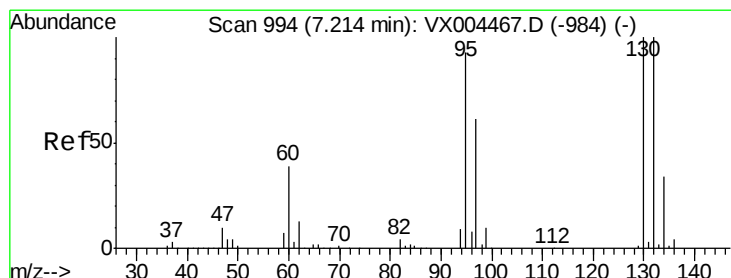
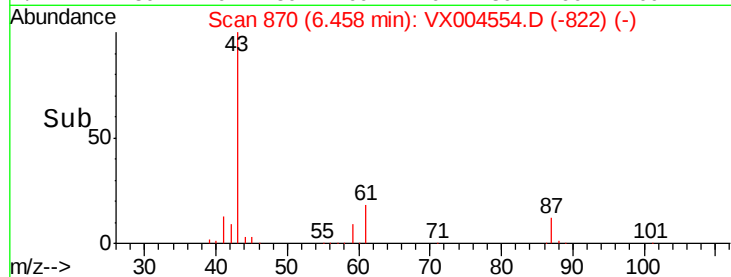
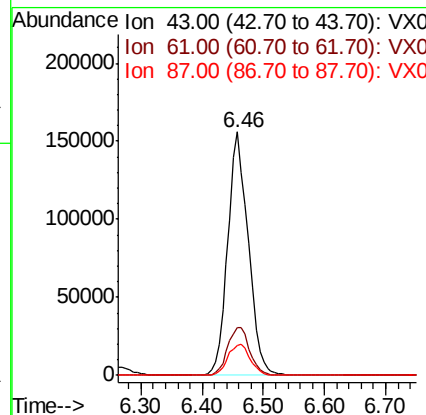
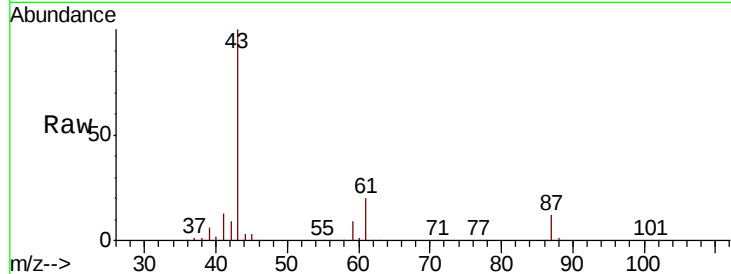
Isopropyl Acetate
 Concen: 57.52 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. -0.01 min
 Lab File: VX004554.D
 Acq: 15 Sep 2018 00:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	43	Resp	361779
Ion Ratio	100	Lower	Upper
43	100		
61	21.1	17.0	25.4
87	13.8	11.4	17.2

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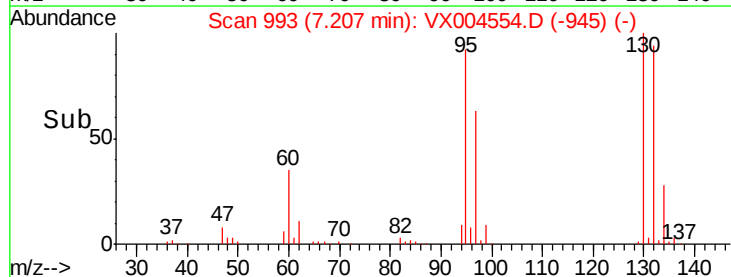
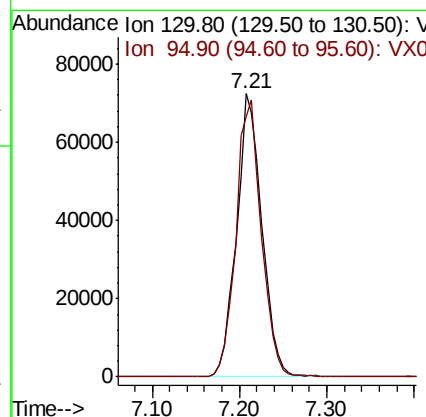
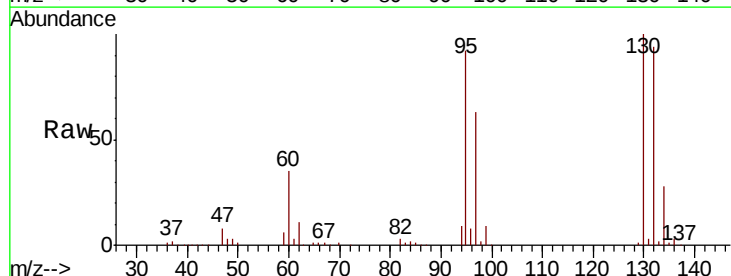
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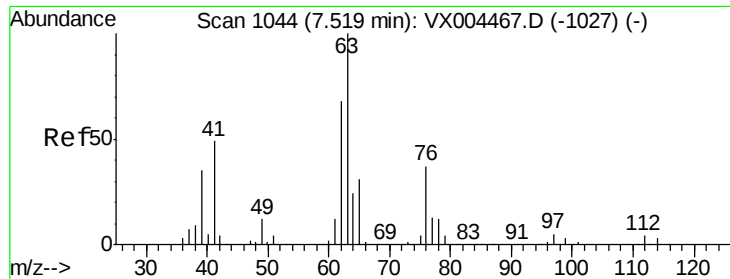


#44

Trichloroethene
 Concen: 45.59 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: VX004554.D
 Acq: 15 Sep 2018 00:31

Tgt Ion	130	Resp	146334
Ion Ratio	100	Lower	Upper
130	100		
95	91.8	0.0	181.6





#45

1,2-Dichloropropane

Concen: 50.66 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VX004554.D

Acq: 15 Sep 2018 00:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 150591

Ion Ratio Lower Upper

63 100

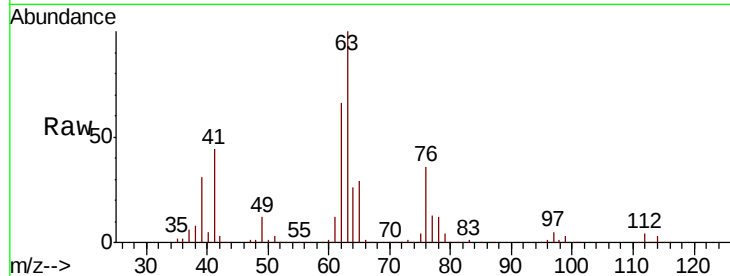
65 28.9 24.3 36.5

Manual Integrations

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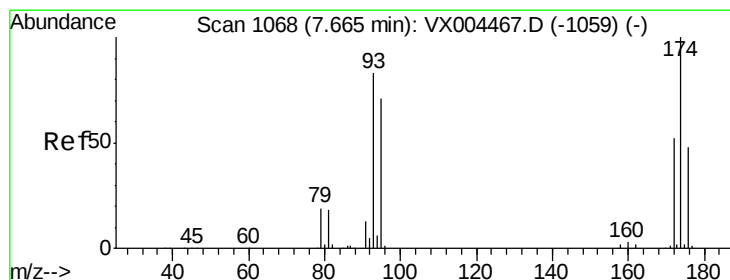
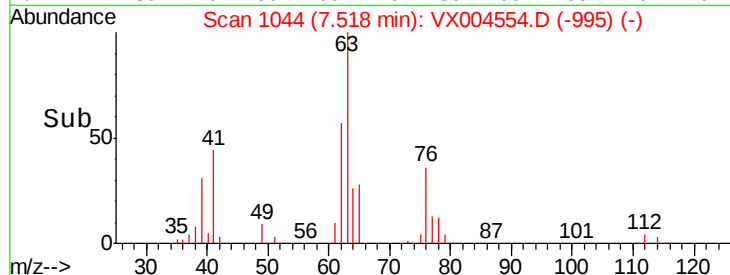
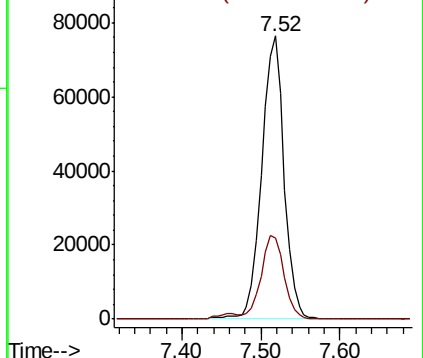
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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 51.58 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. -0.00 min

Lab File: VX004554.D

Acq: 15 Sep 2018 00:31

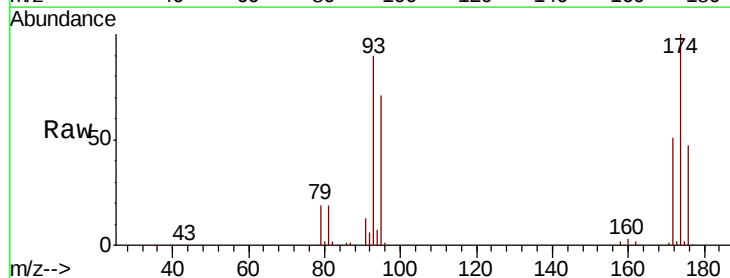
Tgt Ion: 93 Resp: 96861

Ion Ratio Lower Upper

93 100

95 83.0 65.5 98.3

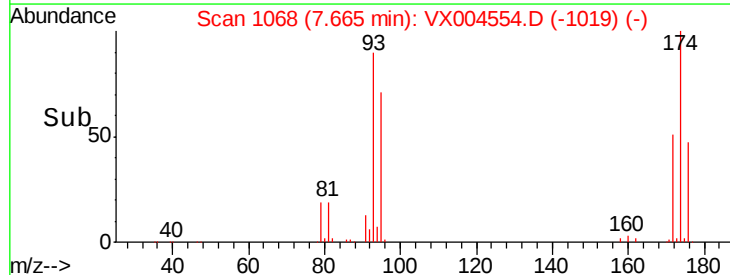
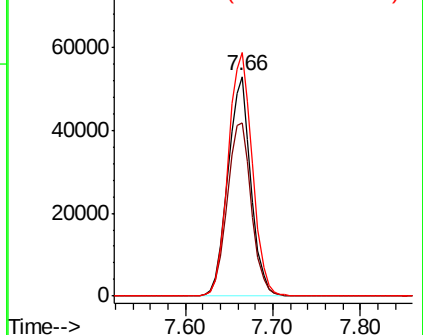
174 116.6 94.2 141.4



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





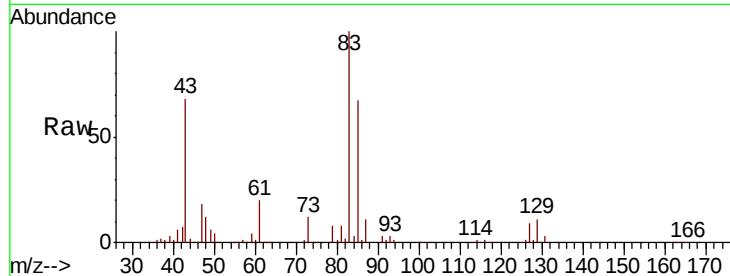
#47
 Bromodichloromethane
 Concen: 49.57 ug/l
 RT: 7.90 min Scan# 1106
 Delta R.T. -0.01 min
 Lab File: VX004554.D
 Acq: 15 Sep 2018 00:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

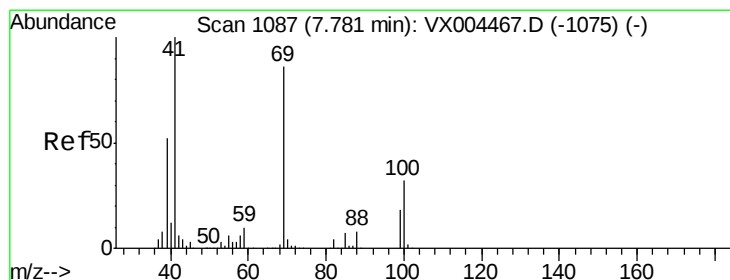
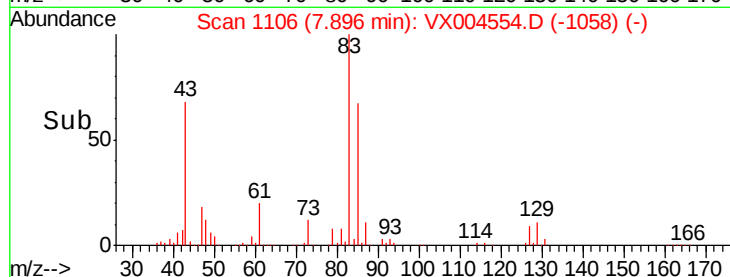
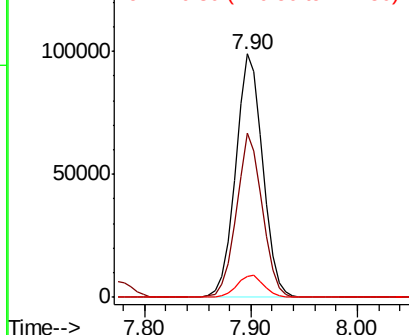
Tot Ion	83	Resp	176043
Ion Ratio	Lower	Upper	
83	100		
85	67.4	50.9	76.3
127	8.8	7.3	10.9

Manual Integrations
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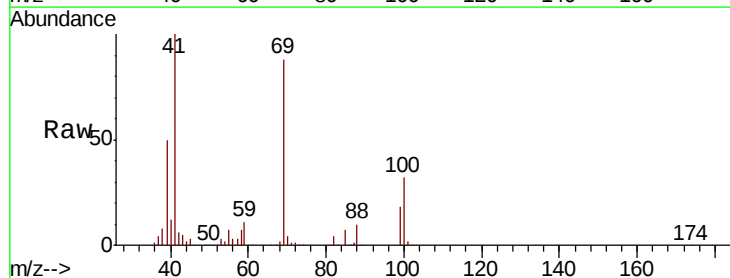


Abundance Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 126.80 (126.50 to 127.50): V

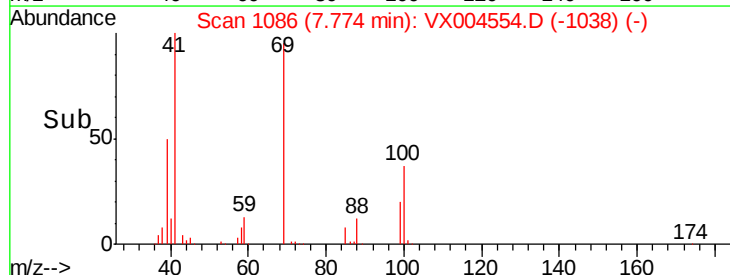
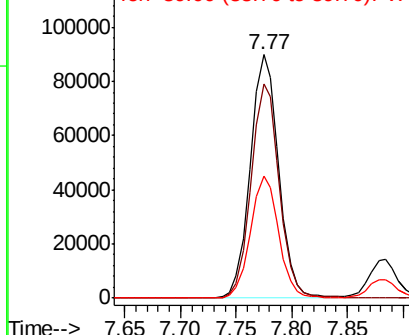


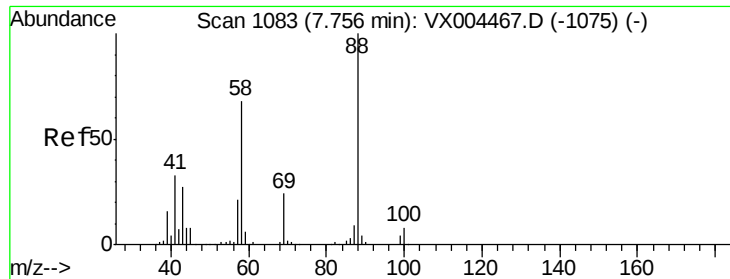
#48
 Methyl methacrylate
 Concen: 51.25 ug/l
 RT: 7.77 min Scan# 1086
 Delta R.T. -0.01 min
 Lab File: VX004554.D
 Acq: 15 Sep 2018 00:31

Tgt Ion	41	Resp	159522
Ion Ratio	Lower	Upper	
41	100		
69	88.1	70.2	105.4
39	50.4	42.7	64.1



Abundance Ion 41.00 (40.70 to 41.70): VX0
 Ion 69.00 (68.70 to 69.70): VX0
 Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 999.17 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. -0.00 min

Lab File: VX004554.D

Acq: 15 Sep 2018 00:31

Instrument :

MSVOA_X

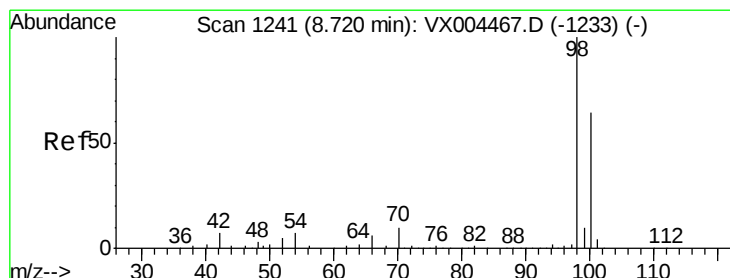
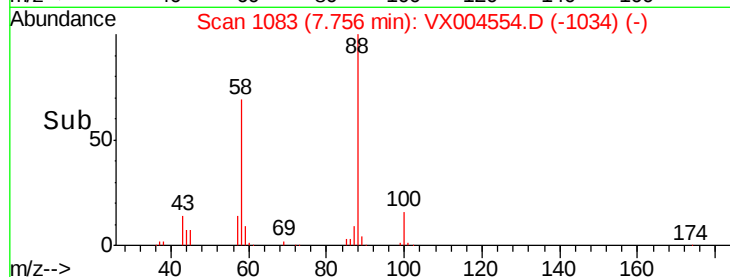
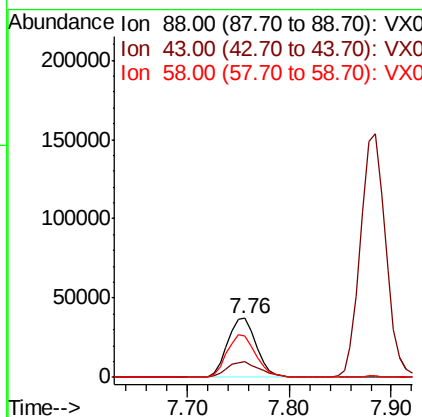
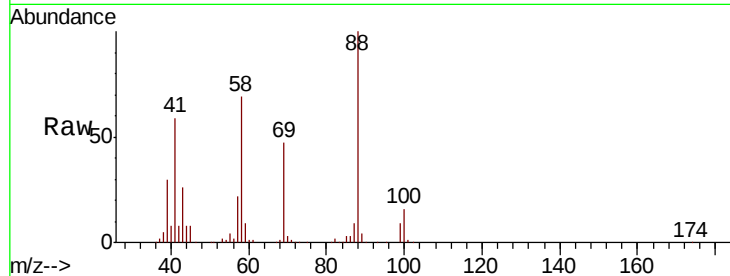
ClientSampleId :

VSTDCCC050

Tot Ion:	88	Resp:	73611
Ion	Ratio	Lower	Upper
88	100		
43	29.9	24.7	37.1
58	71.9	55.3	82.9

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#50

Toluene-d8

Concen: 47.23 ug/l

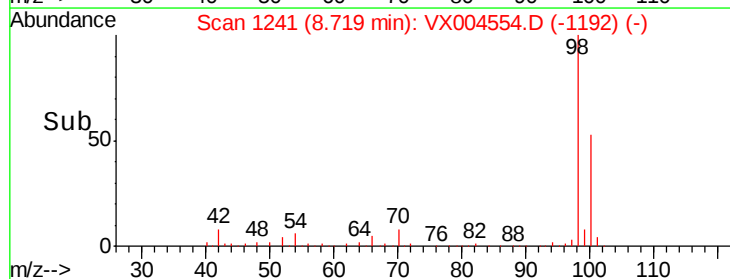
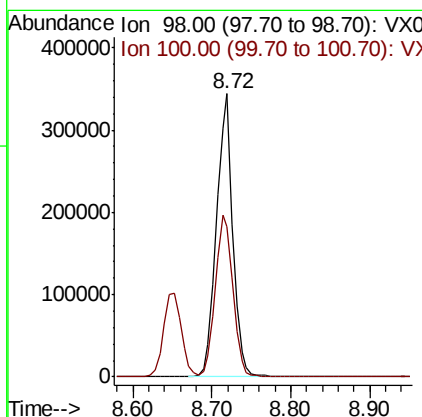
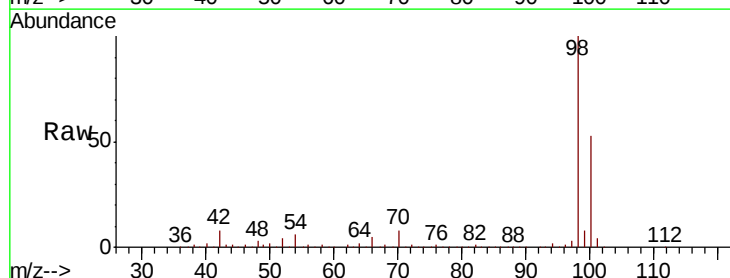
RT: 8.72 min Scan# 1241

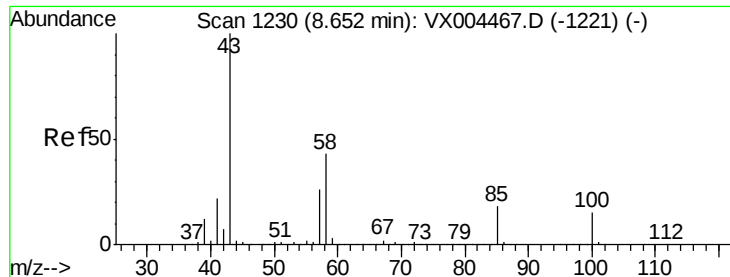
Delta R.T. -0.00 min

Lab File: VX004554.D

Acq: 15 Sep 2018 00:31

Tgt Ion:	98	Resp:	497096
Ion	Ratio	Lower	Upper
98	100		
100	61.8	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 230.15 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VX004554.D

Acq: 15 Sep 2018 00:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1021551

Ion Ratio Lower Upper

43 100

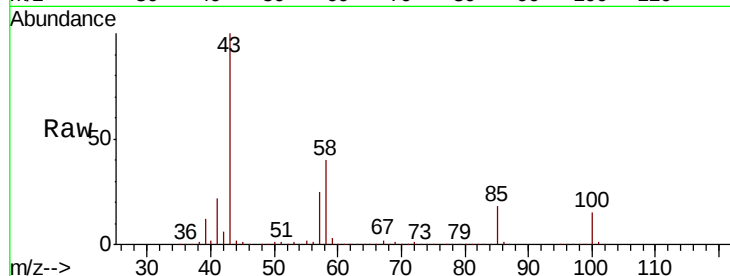
58 40.4 33.1 49.7

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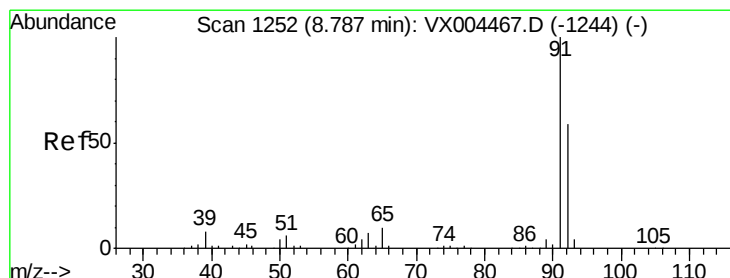
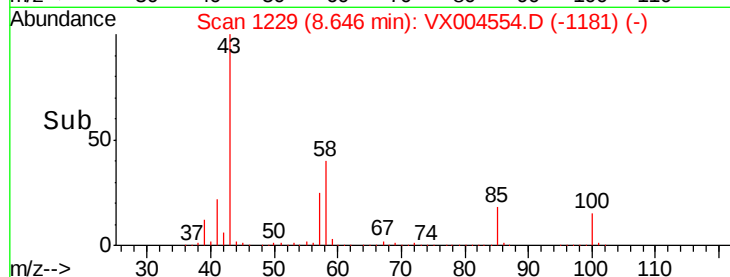
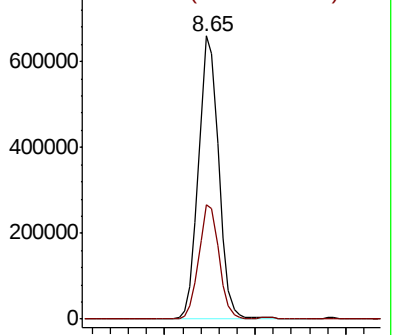
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 44.66 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX004554.D

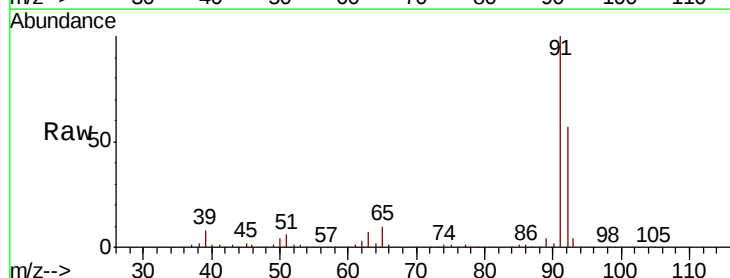
Acq: 15 Sep 2018 00:31

Tgt Ion: 92 Resp: 325019

Ion Ratio Lower Upper

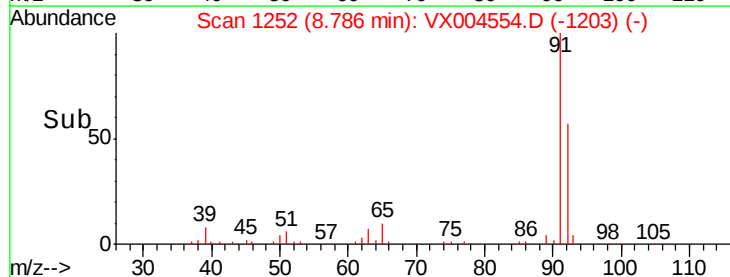
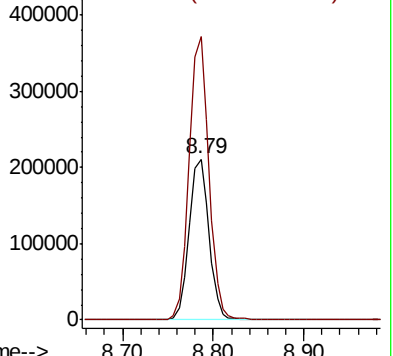
92 100

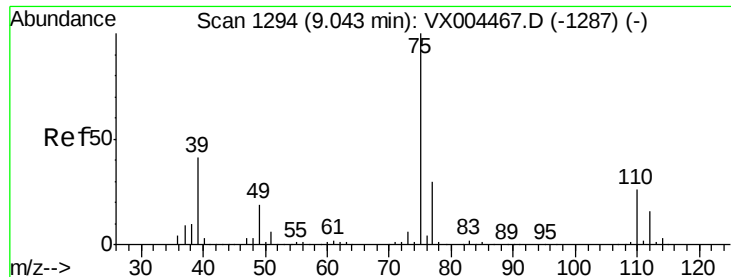
91 174.6 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





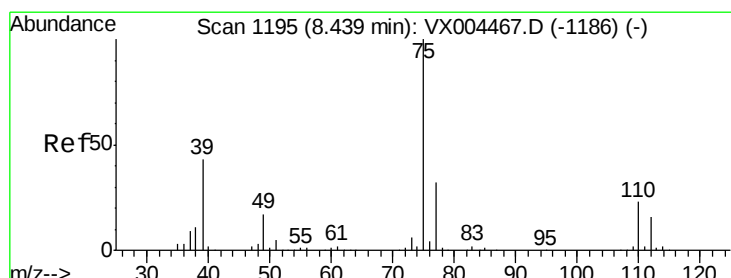
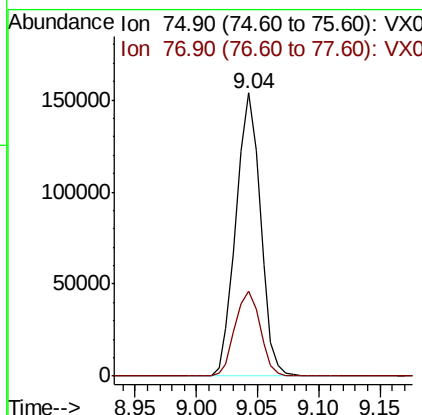
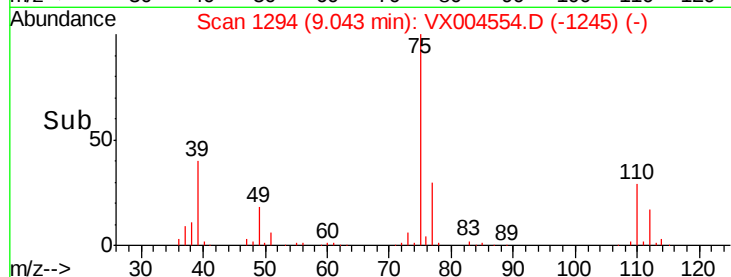
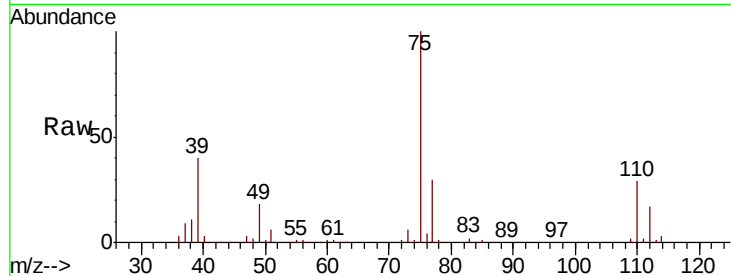
#53
 t-1,3-Dichloropropene
 Concen: 51.61 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: VX004554.D
 Acq: 15 Sep 2018 00:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.1	24.6	37.0

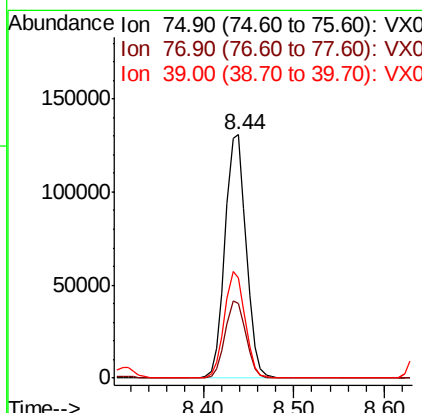
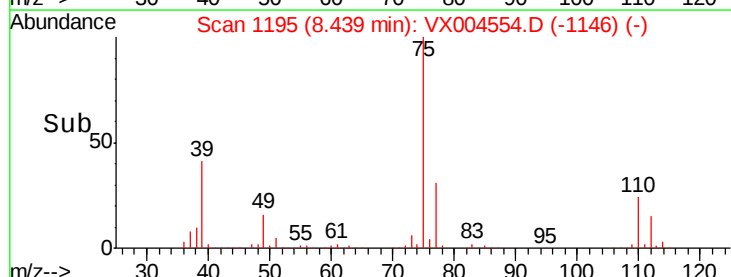
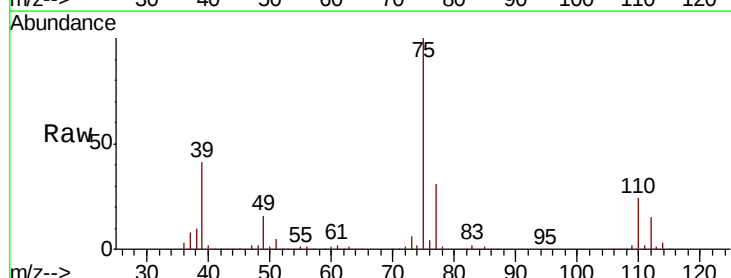
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#54
 cis-1,3-Dichloropropene
 Concen: 50.19 ug/l
 RT: 8.44 min Scan# 1195
 Delta R.T. -0.00 min
 Lab File: VX004554.D
 Acq: 15 Sep 2018 00:31

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.8	26.2	39.2
39	41.0	36.4	54.6





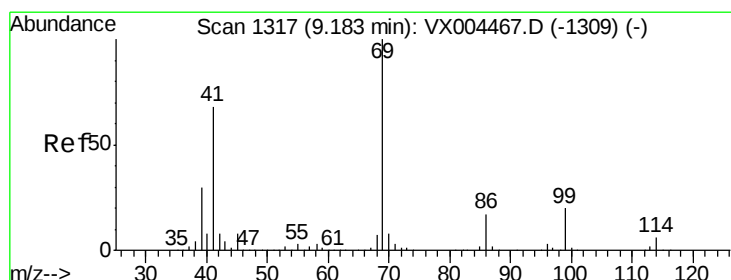
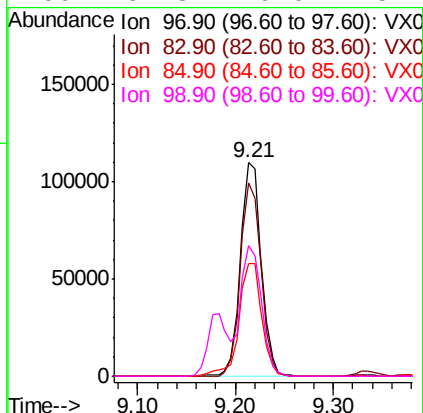
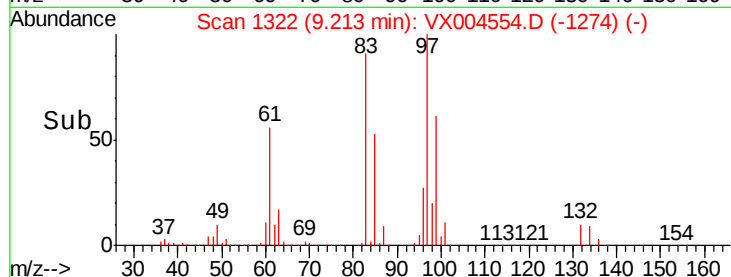
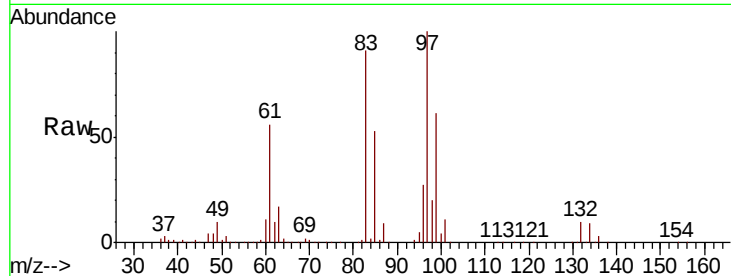
#55
 1,1,2-Trichloroethane
 Concen: 51.88 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: VX004554.D
 Acq: 15 Sep 2018 00:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	162581
Ion	Ratio	Lower	Upper
97	100		
83	90.8	66.4	99.6
85	52.7	43.3	64.9
99	61.3	49.0	73.4

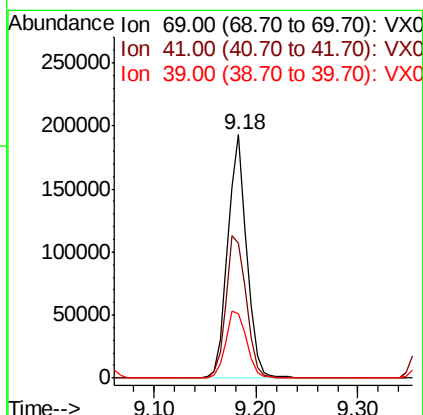
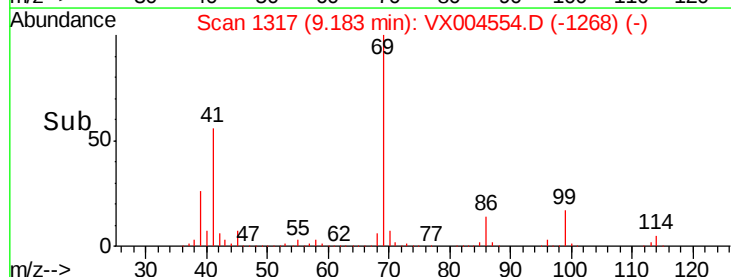
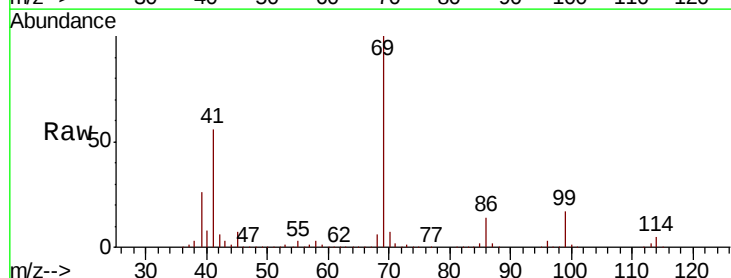
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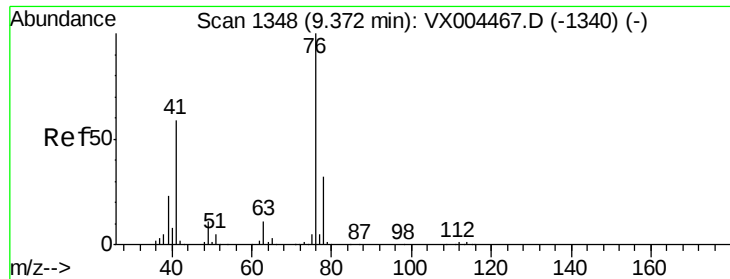
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#56
 Ethyl methacrylate
 Concen: 55.82 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX004554.D
 Acq: 15 Sep 2018 00:31

Tgt Ion:	69	Resp:	247490
Ion	Ratio	Lower	Upper
69	100		
41	62.8	51.0	76.4
39	30.4	26.1	39.1





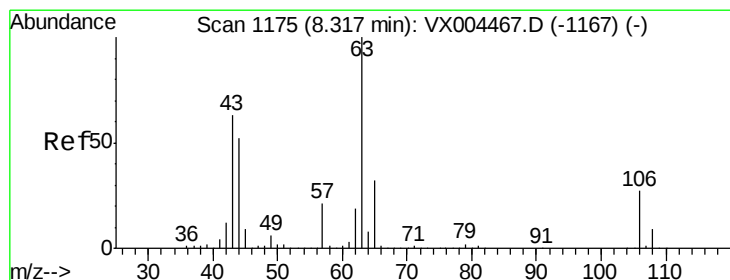
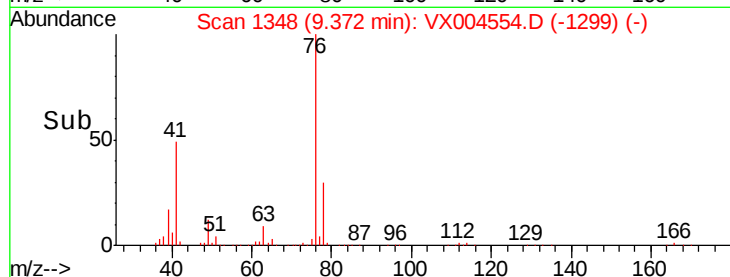
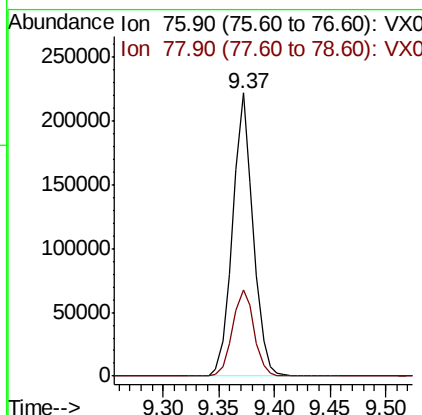
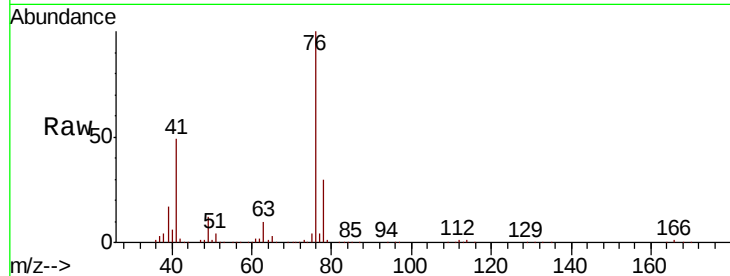
#57
 1,3-Dichloropropane
 Concen: 55.19 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX004554.D
 Acq: 15 Sep 2018 00:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.5	38.3

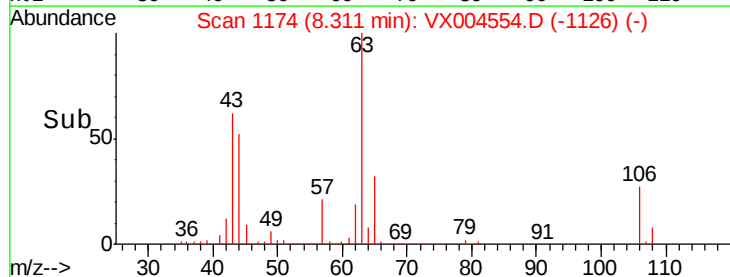
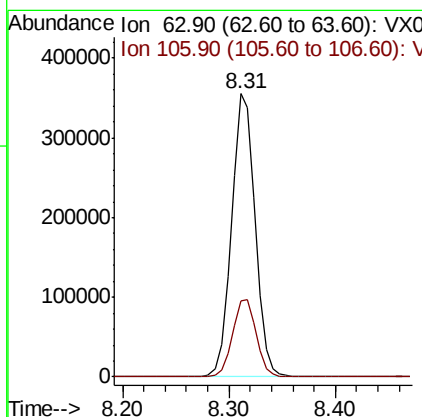
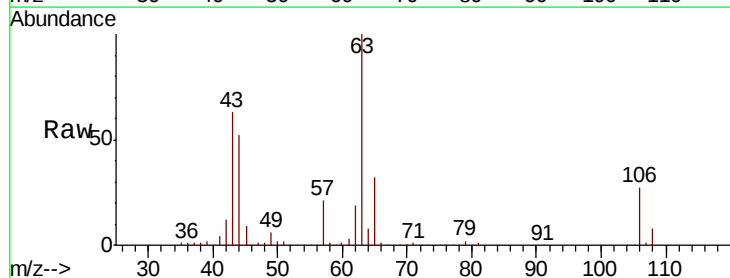
Manual Integrations
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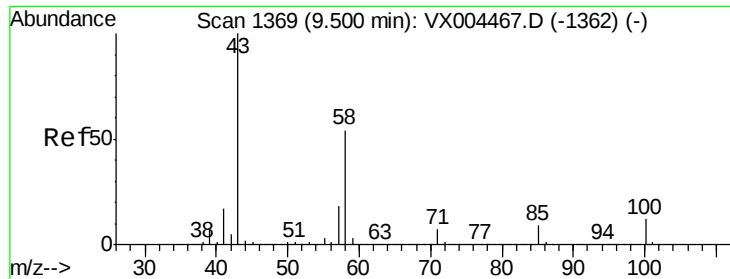
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#58
 2-Chloroethyl Vinyl ether
 Concen: 243.87 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.01 min
 Lab File: VX004554.D
 Acq: 15 Sep 2018 00:31

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.6	23.9	35.9





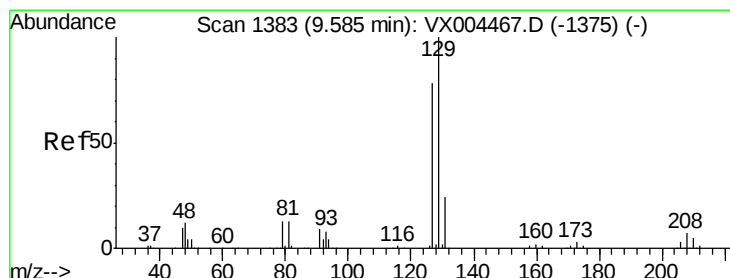
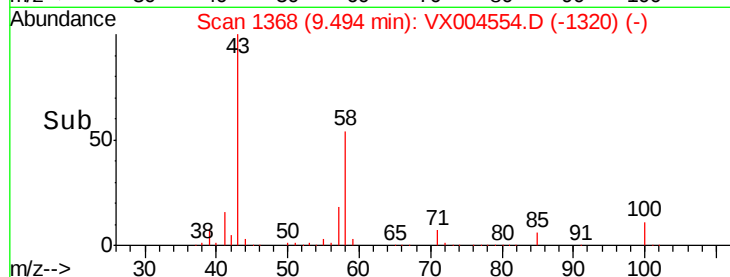
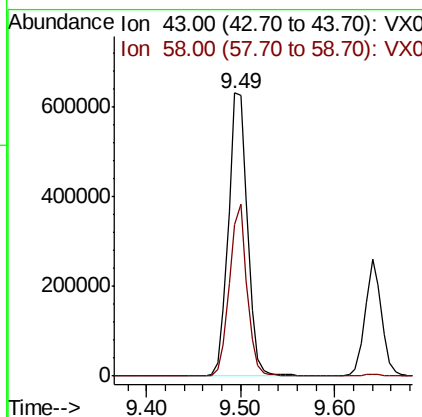
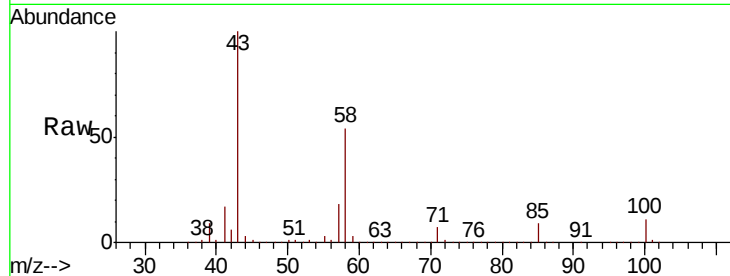
#59
2-Hexanone
Concen: 261.47 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX004554.D
Acq: 15 Sep 2018 00:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.0	29.0	87.0

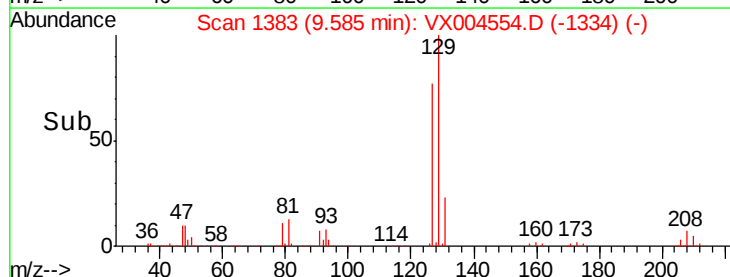
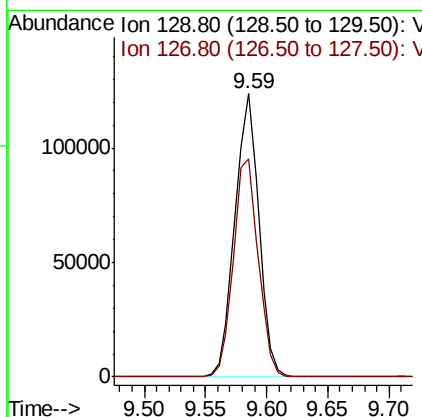
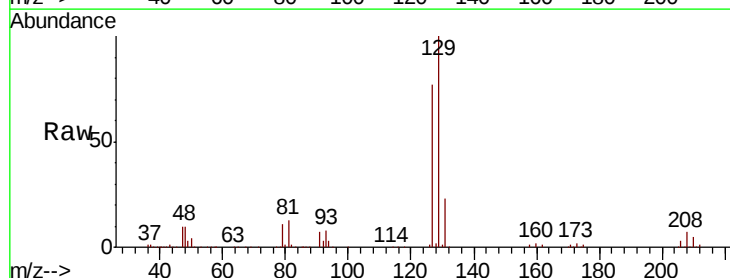
Manual Integrations
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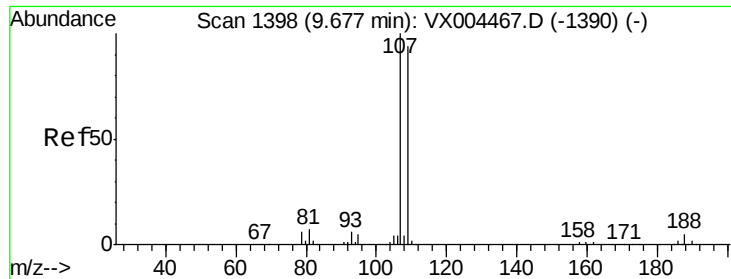
MMDadoda
9/17/2018 5:09:27 PM



#60
Dibromochloromethane
Concen: 56.68 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX004554.D
Acq: 15 Sep 2018 00:31

Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.5	38.5	115.5





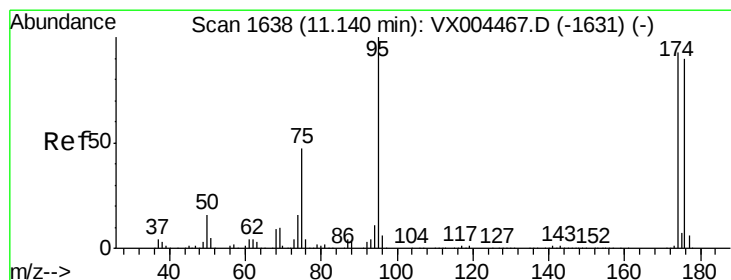
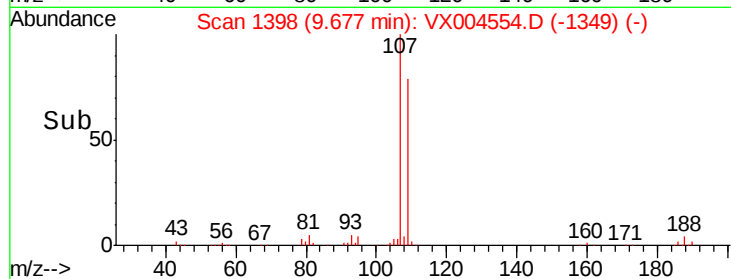
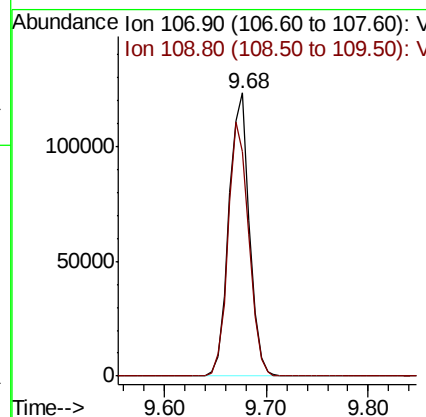
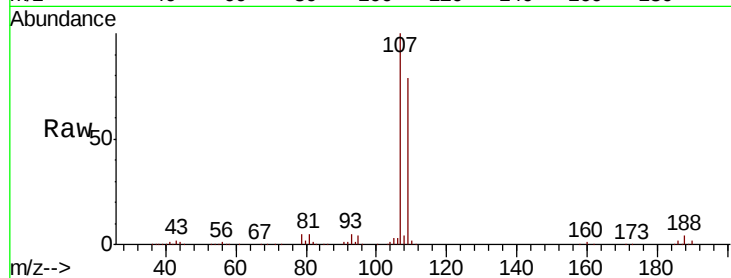
#61
 1,2-Dibromoethane
 Concen: 57.01 ug/l
 RT: 9.68 min Scan# 1398
 Delta R.T. -0.00 min
 Lab File: VX004554.D
 Acq: 15 Sep 2018 00:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	170690		
109	91.3	76.0	114.0	

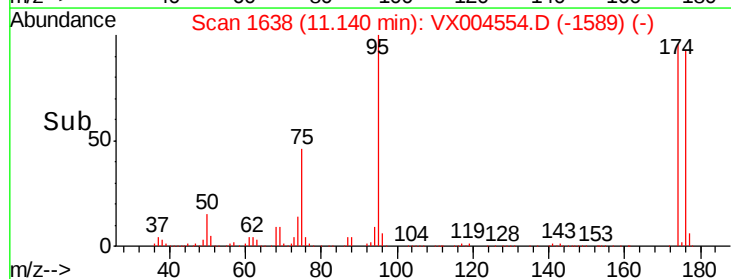
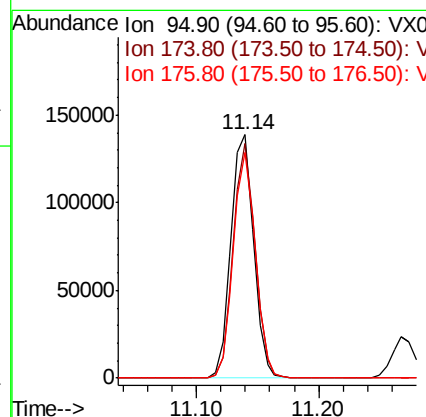
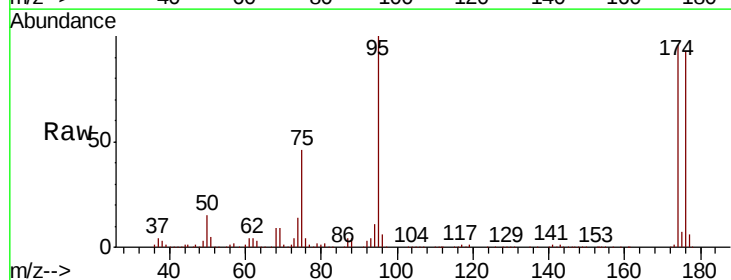
Manual Integrations
 APPROVED

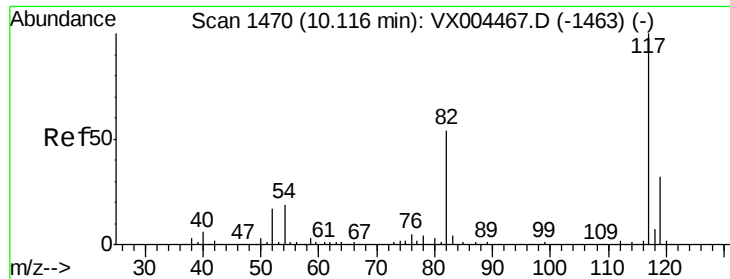
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 47.58 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.00 min
 Lab File: VX004554.D
 Acq: 15 Sep 2018 00:31

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	178739		
174	92.6	0.0	185.2	
176	89.8	0.0	178.6	





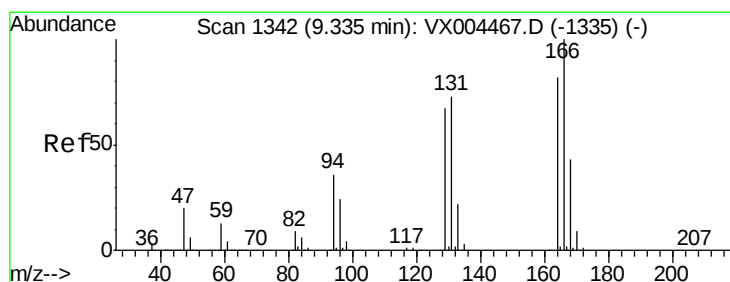
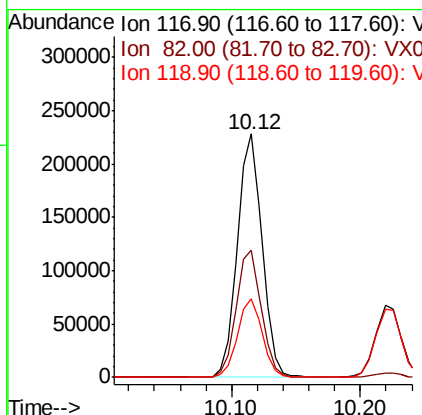
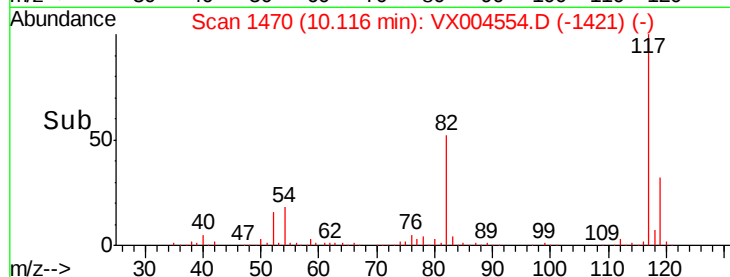
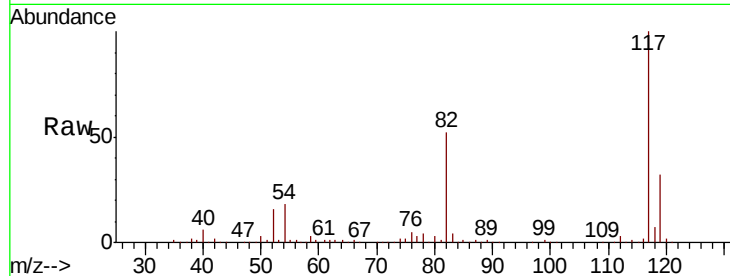
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004554.D
Acq: 15 Sep 2018 00:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.1	47.8	71.6
119	32.1	29.3	43.9

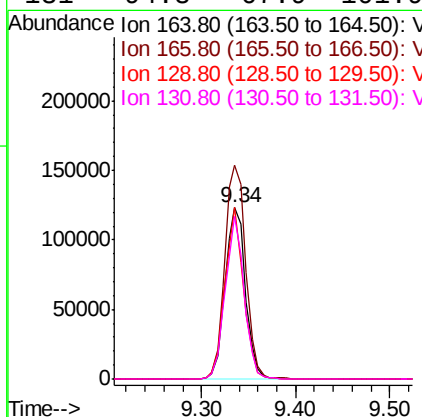
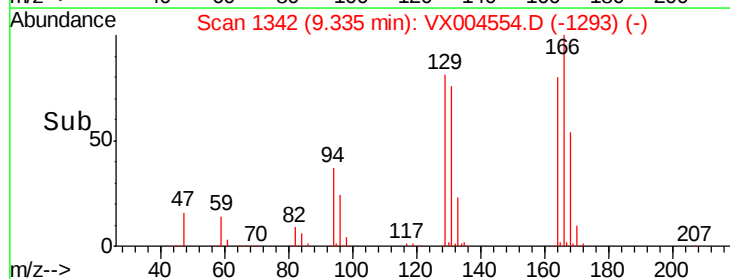
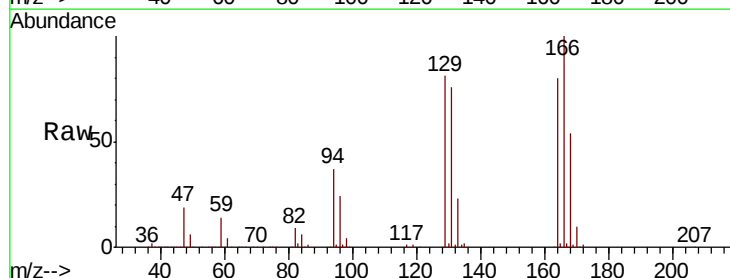
Manual Integrations
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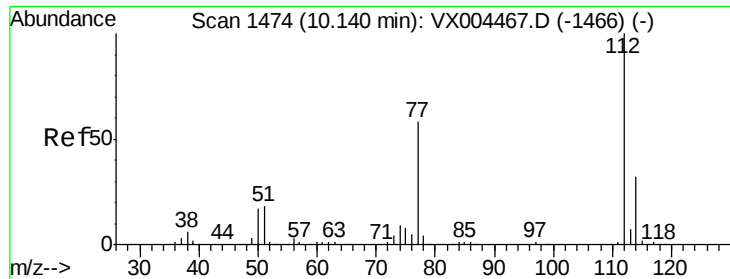
MMDadoda
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#64
Tetrachloroethene
Concen: 48.35 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX004554.D
Acq: 15 Sep 2018 00:31

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.5	102.8	154.2
129	100.3	69.4	104.0
131	94.8	67.9	101.9





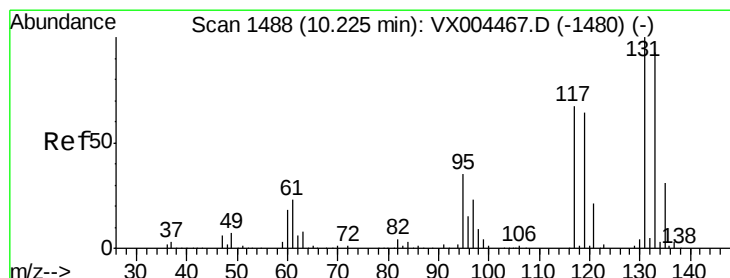
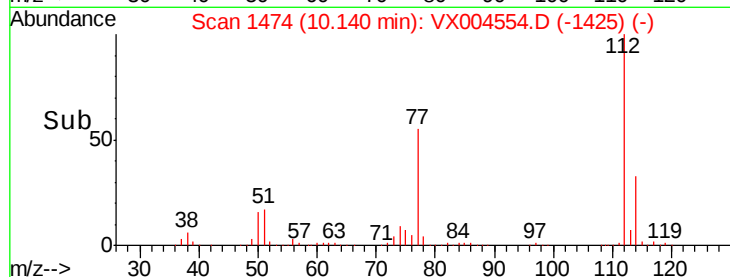
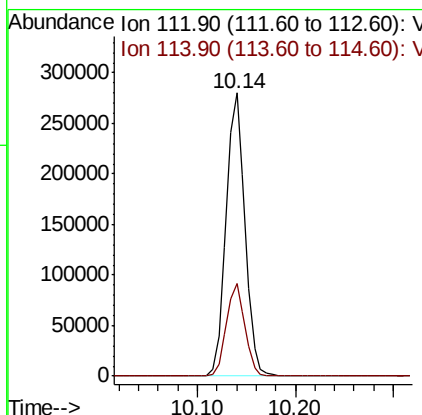
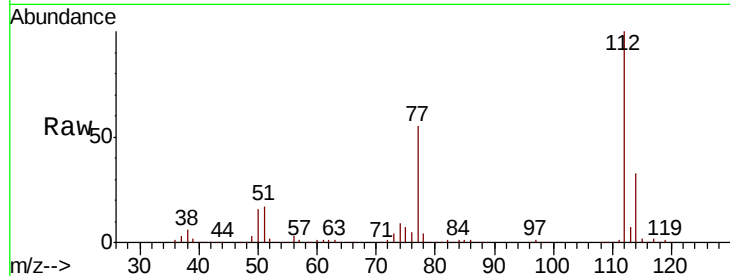
#65
Chlorobenzene
Concen: 49.56 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX004554.D
Acq: 15 Sep 2018 00:31

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion:112 Resp: 374947
Ion Ratio Lower Upper
112 100
114 32.8 27.8 41.8

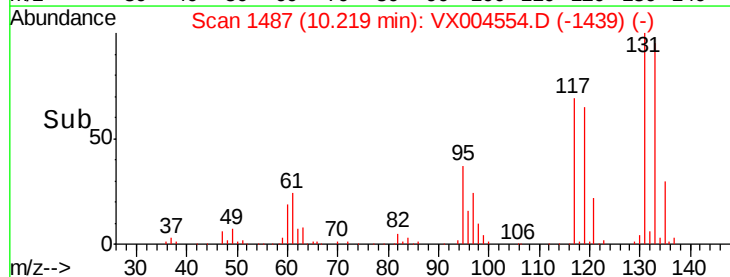
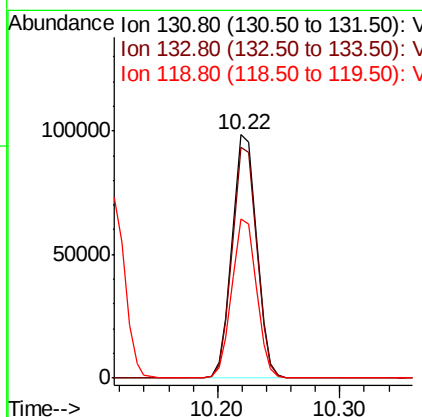
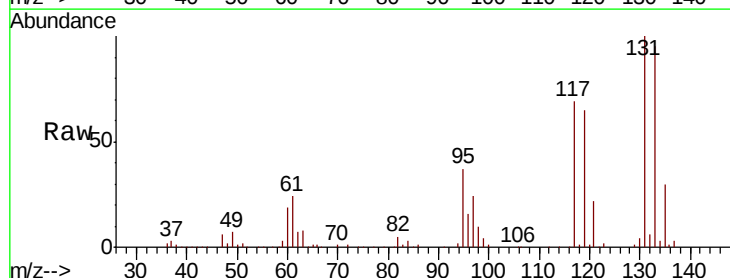
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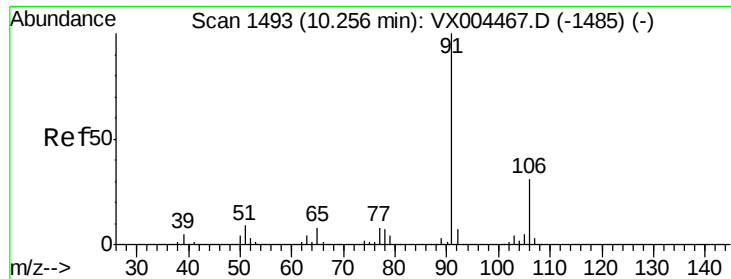
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.52 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.01 min
Lab File: VX004554.D
Acq: 15 Sep 2018 00:31

Tgt Ion:131 Resp: 137025
Ion Ratio Lower Upper
131 100
133 94.9 48.1 144.4
119 65.5 32.9 98.6





#67

Ethyl Benzene

Concen: 49.05 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VX004554.D

Acq: 15 Sep 2018 00:31

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 603388

Ion Ratio Lower Upper

91 100

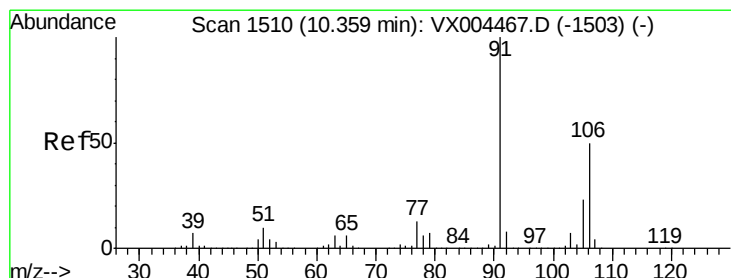
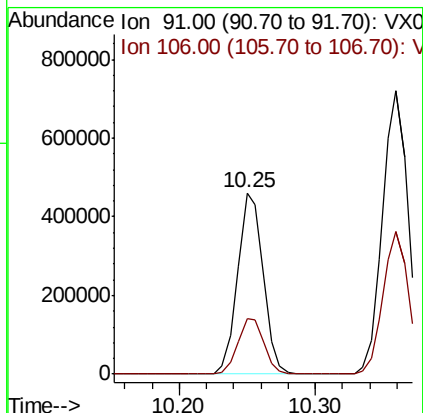
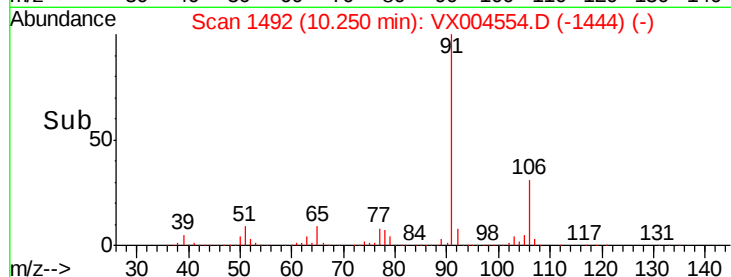
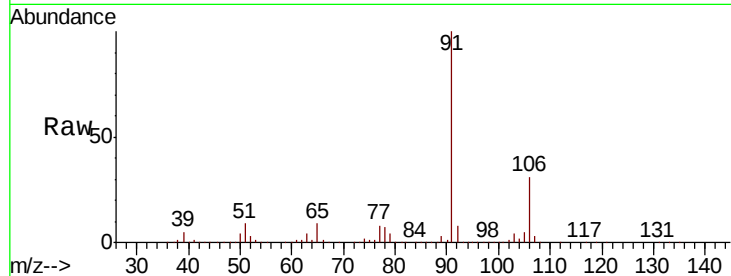
106 31.0 25.9 38.9

Manual Integrations

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9/17/2018 5:09:27 PM



#68

m/p-Xylenes

Concen: 100.62 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX004554.D

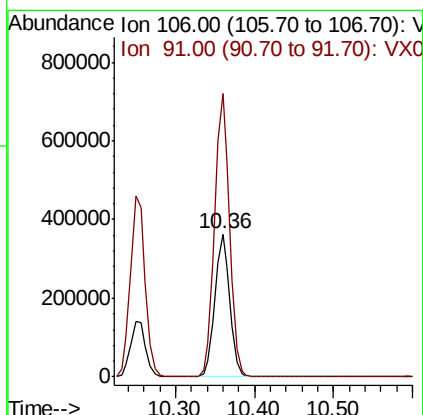
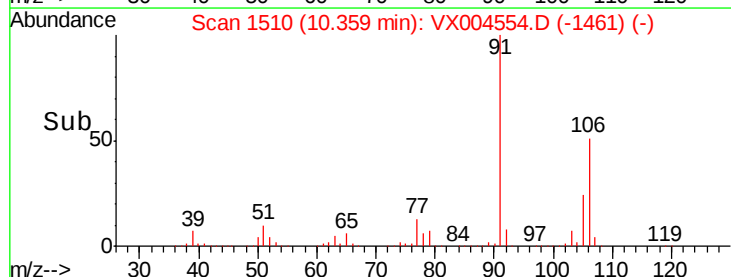
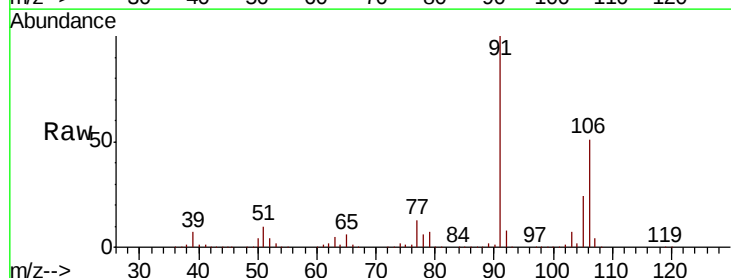
Acq: 15 Sep 2018 00:31

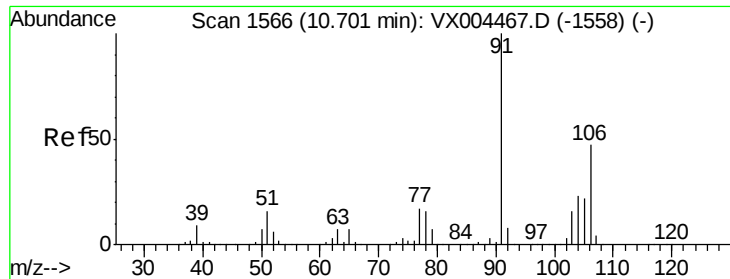
Tgt Ion: 106 Resp: 476760

Ion Ratio Lower Upper

106 100

91 200.3 157.1 235.7





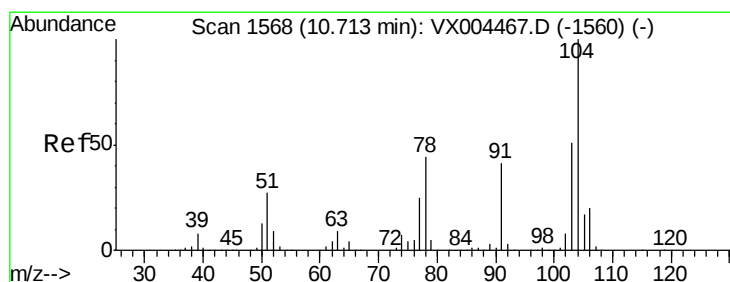
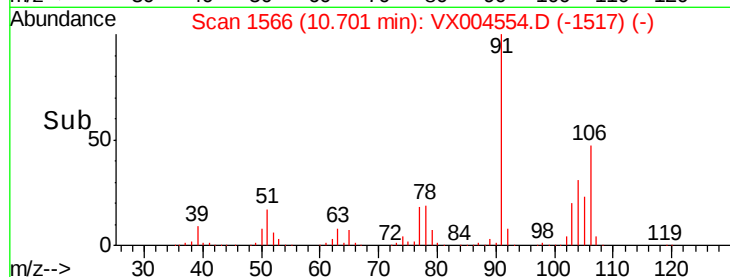
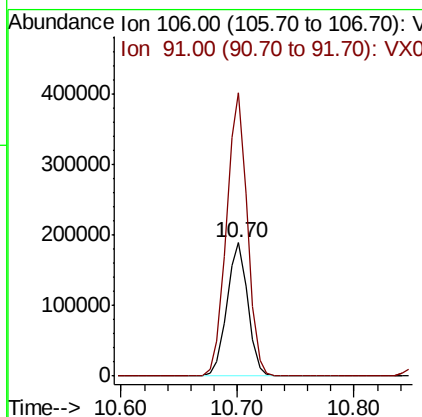
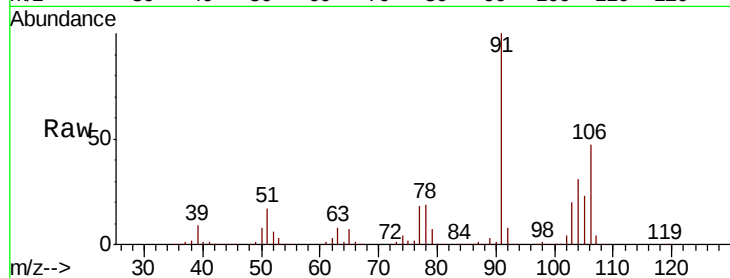
#69
o-Xylene
Concen: 51.77 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX004554.D
Acq: 15 Sep 2018 00:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 235849
Ion Ratio Lower Upper
106 100
91 211.6 105.1 315.1

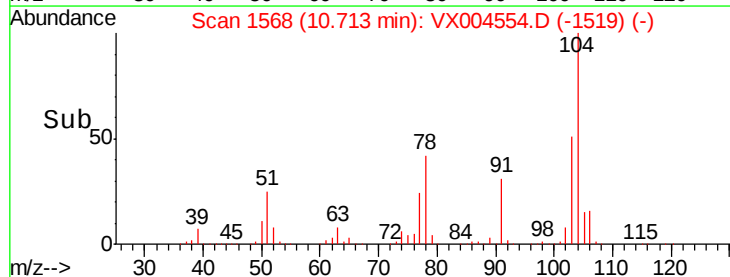
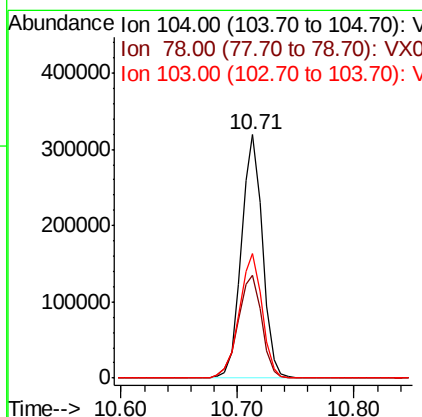
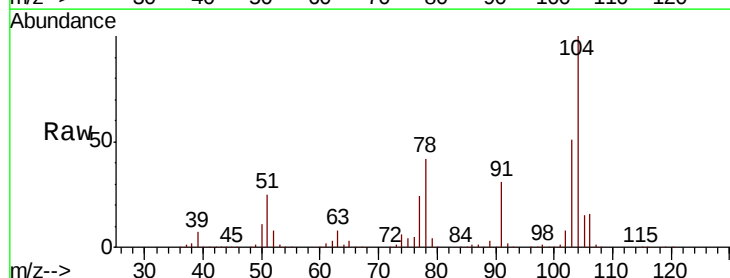
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#70
Styrene
Concen: 53.76 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX004554.D
Acq: 15 Sep 2018 00:31

Tgt Ion:104 Resp: 405744
Ion Ratio Lower Upper
104 100
78 47.7 37.4 56.0
103 55.5 43.8 65.6





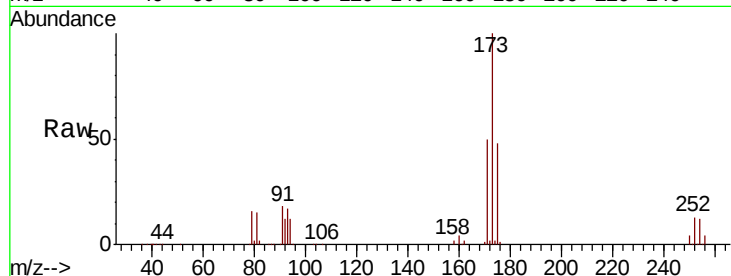
#71
Bromoform
Concen: 53.99 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VX004554.D
Acq: 15 Sep 2018 00:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.1	72.3
254	0.2	0.2	0.2

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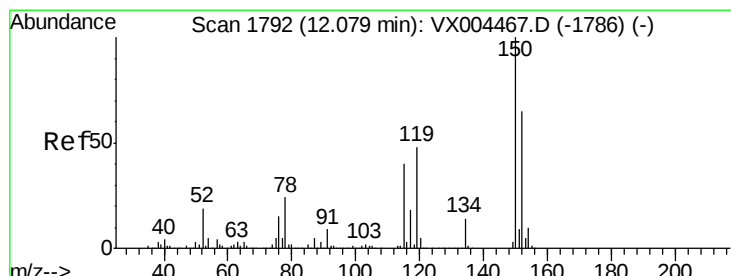
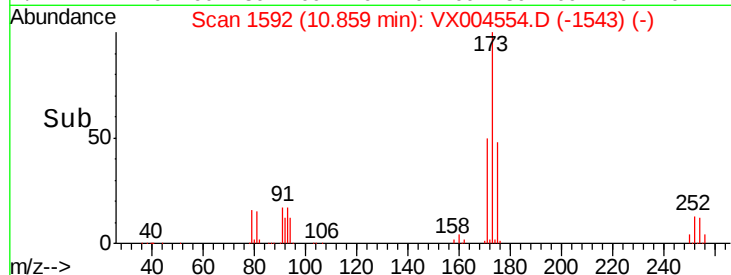
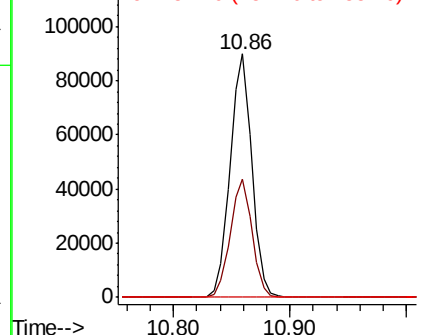


Abundance

Ion 172.70 (172.40 to 173.40): V

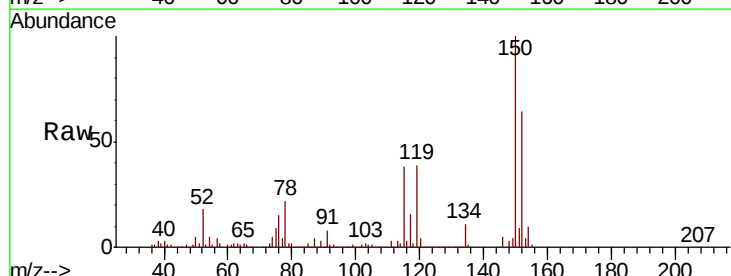
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004554.D
Acq: 15 Sep 2018 00:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	77.4	39.0	117.0
150	173.8	0.0	351.0

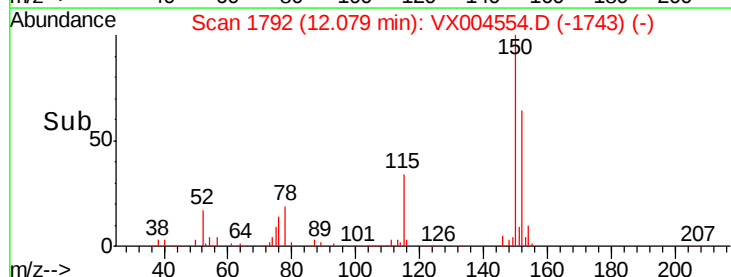
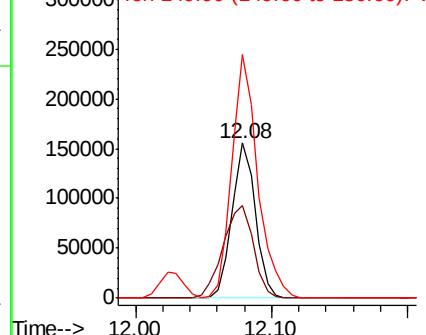


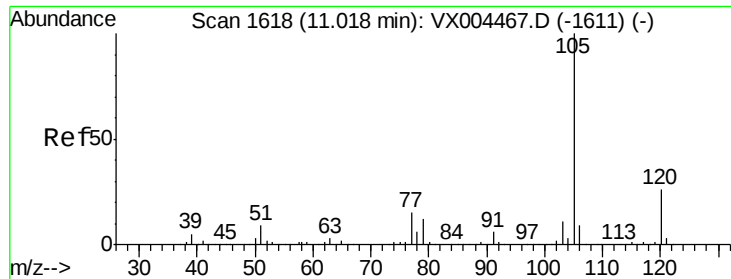
Abundance

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





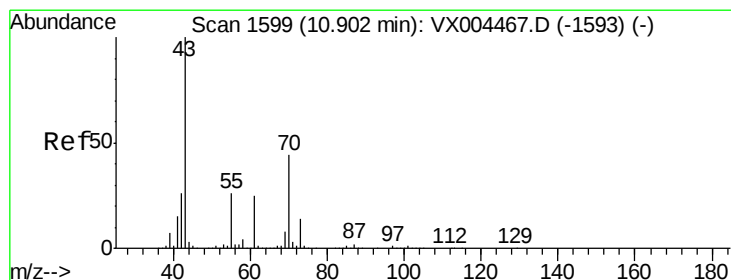
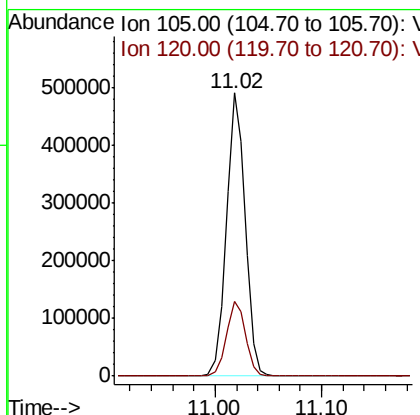
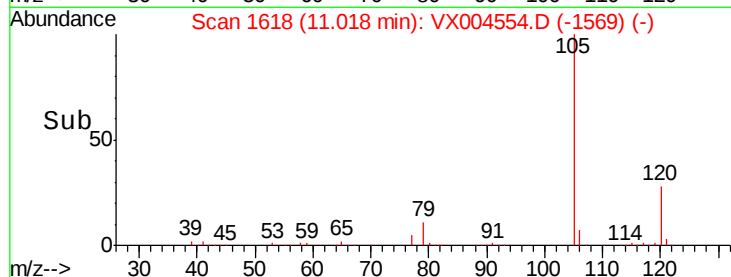
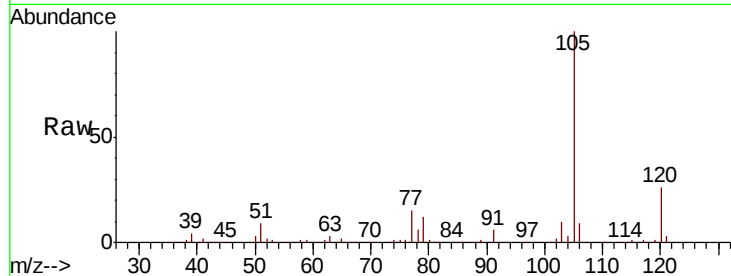
#73
Isopropylbenzene
Concen: 49.60 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX004554.D
Acq: 15 Sep 2018 00:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 105 Resp: 604877
Ion Ratio Lower Upper
105 100
120 26.8 13.5 40.4

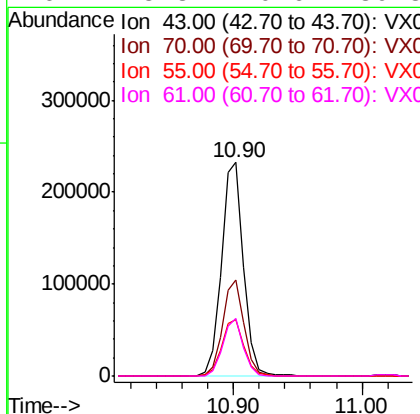
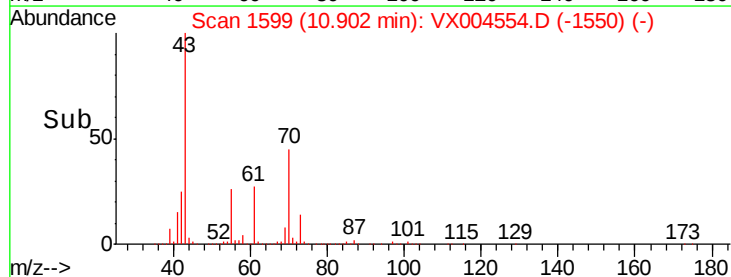
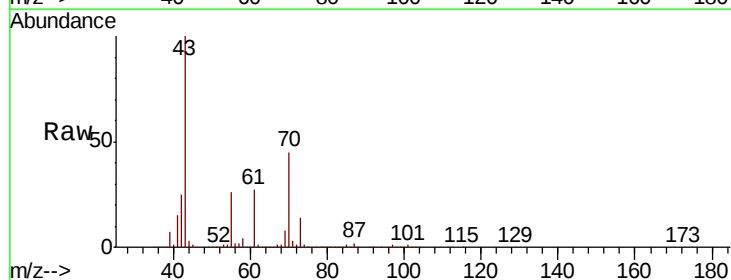
Manual Integrations
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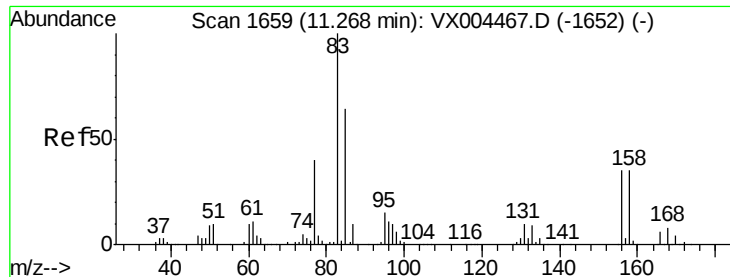
MMDadoda
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#74
N-ethyl acetate
Concen: 54.45 ug/l
RT: 10.90 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VX004554.D
Acq: 15 Sep 2018 00:31

Tgt Ion: 43 Resp: 279526
Ion Ratio Lower Upper
43 100
70 44.1 37.4 56.0
55 26.7 21.8 32.8
61 25.3 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 52.34 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX004554.D

Acq: 15 Sep 2018 00:31

Instrument :

MSVOA_X

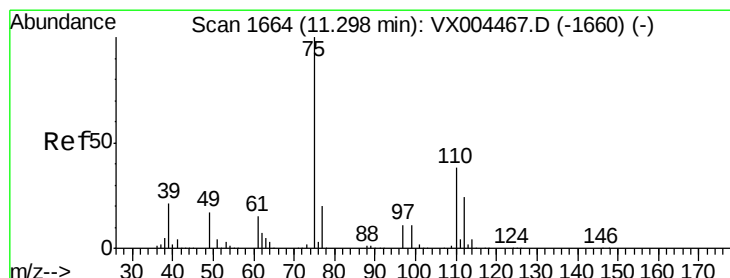
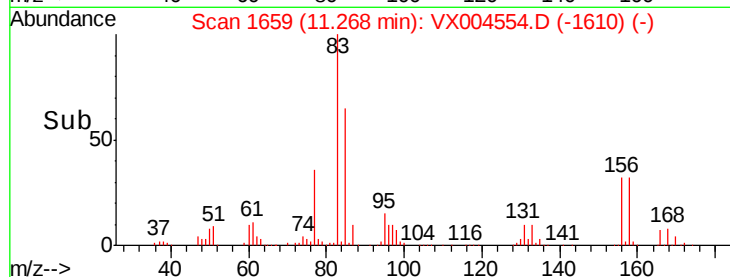
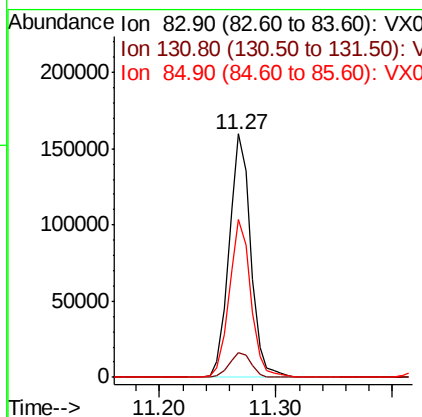
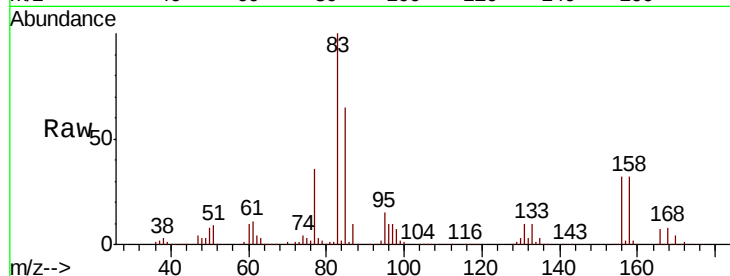
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	205917
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.2	15.6
85	64.5	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 52.88 ug/l m

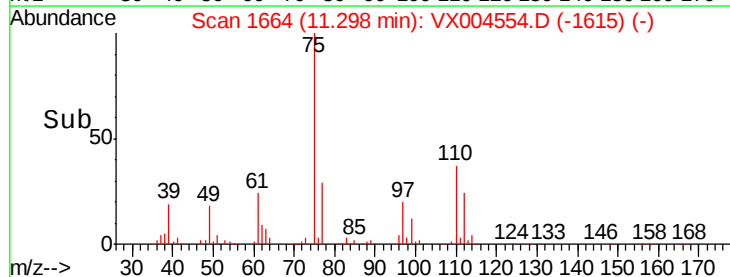
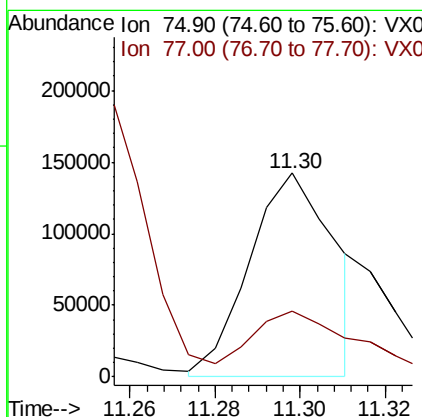
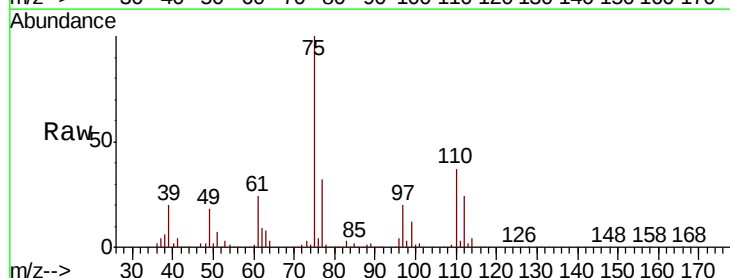
RT: 11.30 min Scan# 1664

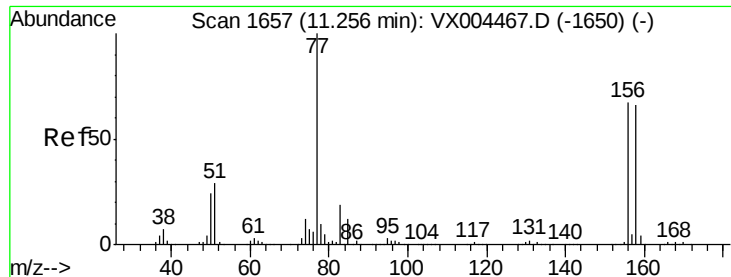
Delta R.T. -0.00 min

Lab File: VX004554.D

Acq: 15 Sep 2018 00:31

Tgt Ion:	75	Resp:	197003
Ion Ratio	Lower	Upper	
75	100		
77	39.9	20.2	60.6





#77

Bromobenzene

Concen: 52.24 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX004554.D

Acq: 15 Sep 2018 00:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 176119

Ion Ratio Lower Upper

156 100

77 143.1 71.5 214.3

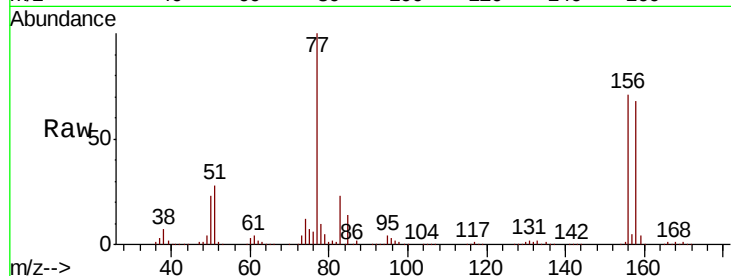
158 97.6 48.9 146.8

Manual Integrations

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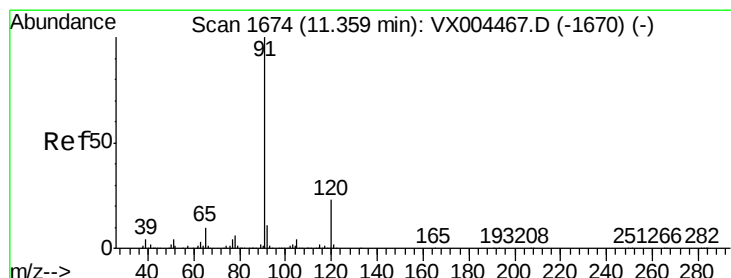
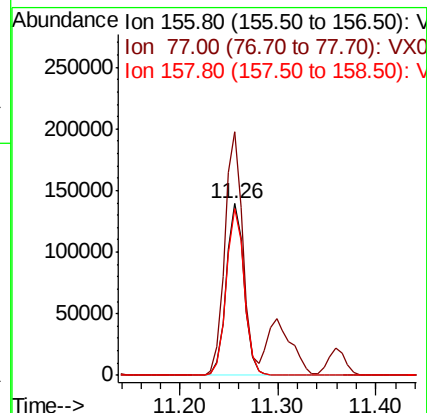
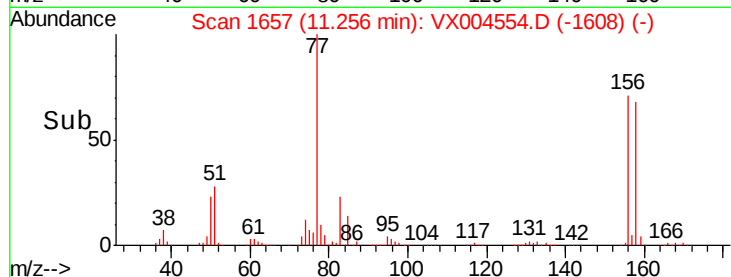
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.91 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX004554.D

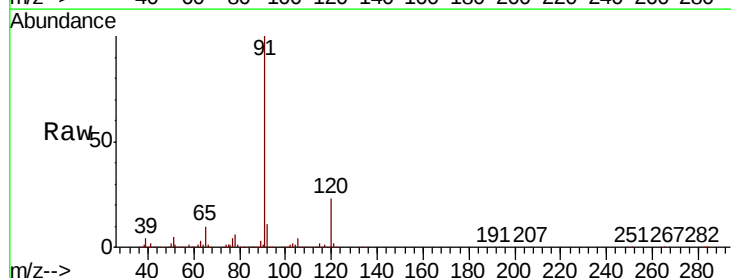
Acq: 15 Sep 2018 00:31

Tgt Ion: 91 Resp: 685927

Ion Ratio Lower Upper

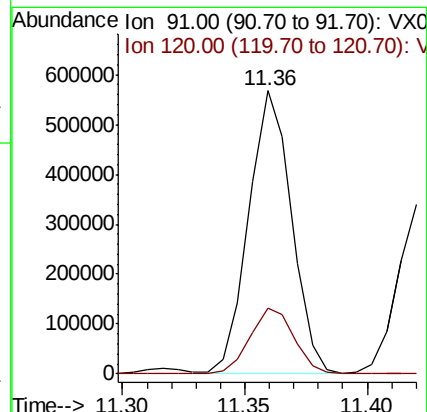
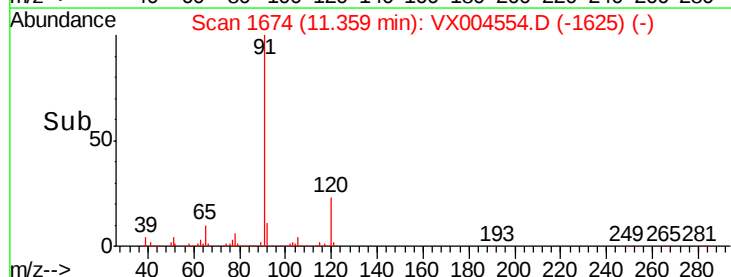
91 100

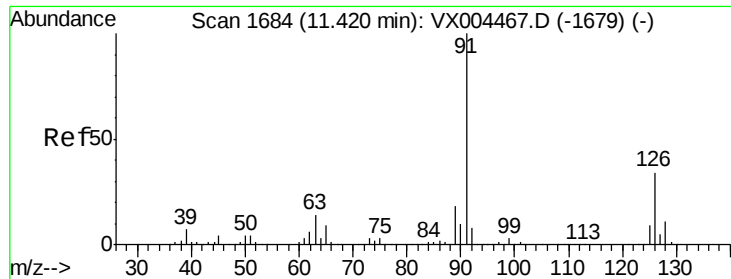
120 23.9 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.93 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX004554.D

Acq: 15 Sep 2018 00:31

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 424619

Ion Ratio Lower Upper

91 100

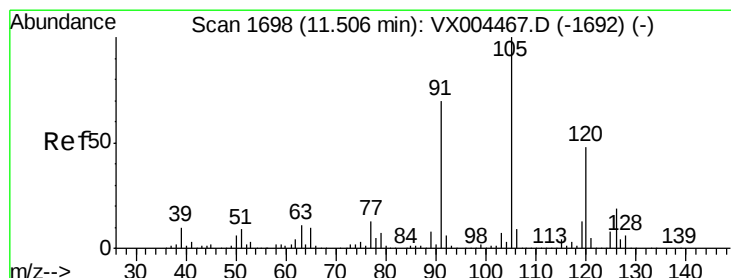
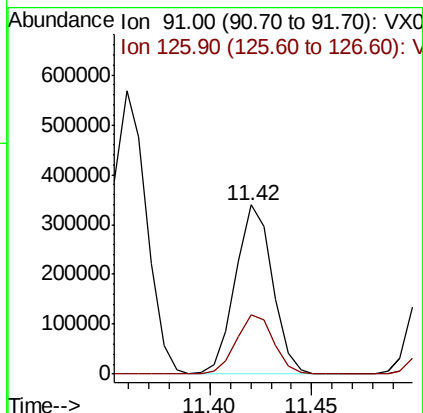
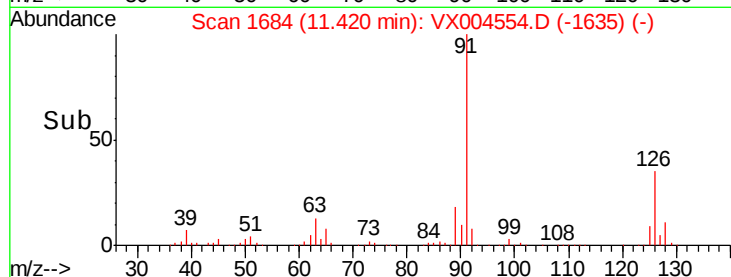
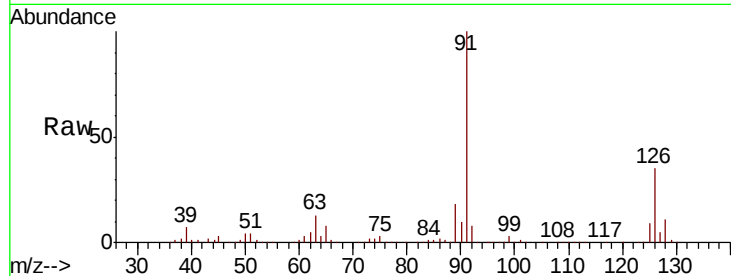
126 35.7 17.9 53.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 50.96 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX004554.D

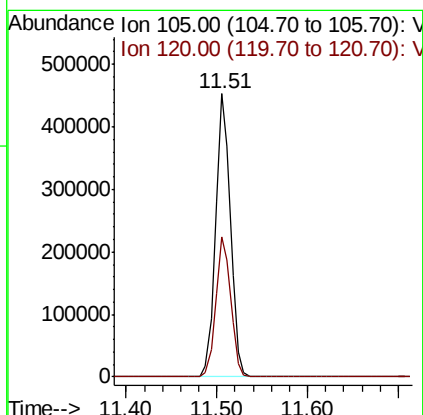
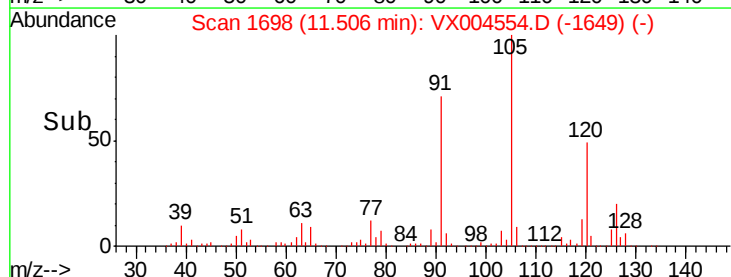
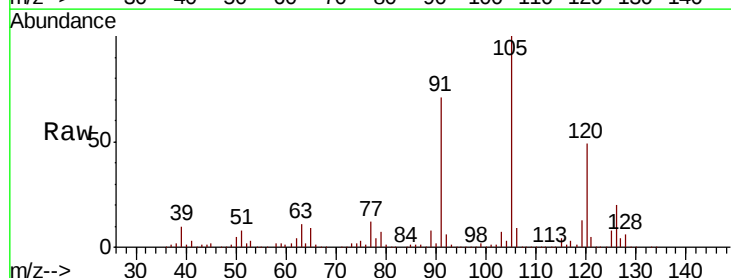
Acq: 15 Sep 2018 00:31

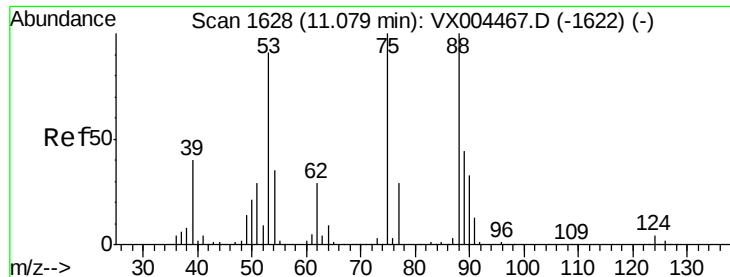
Tgt Ion: 105 Resp: 522519

Ion Ratio Lower Upper

105 100

120 49.7 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 52.05 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.01 min

Lab File: VX004554.D

Acq: 15 Sep 2018 00:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 60843

Ion Ratio Lower Upper

75 100

53 93.4 80.1 120.1

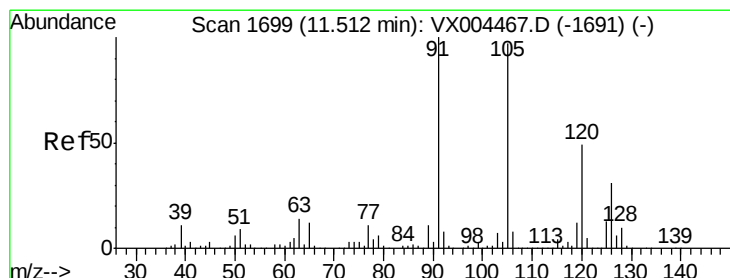
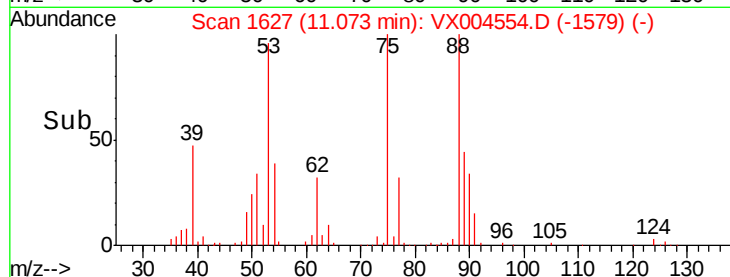
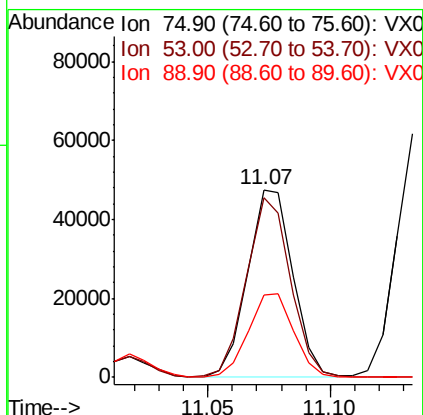
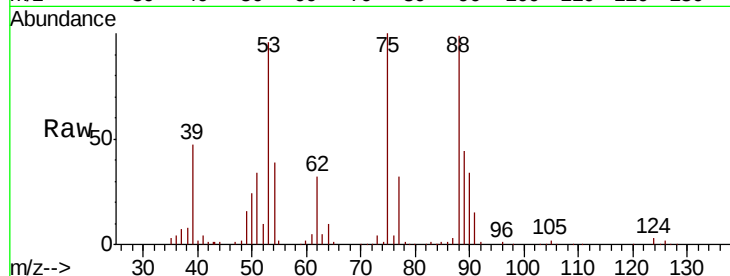
89 44.7 37.2 55.8

Manual Integrations

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#82

4-Chlorotoluene

Concen: 50.17 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX004554.D

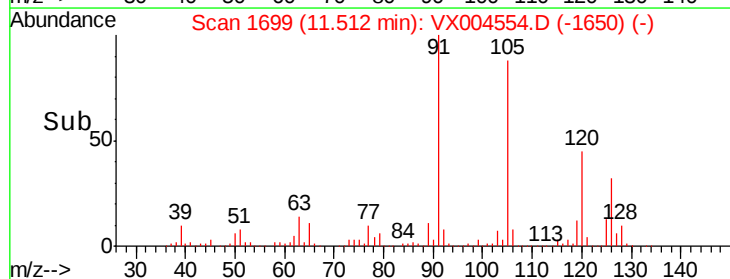
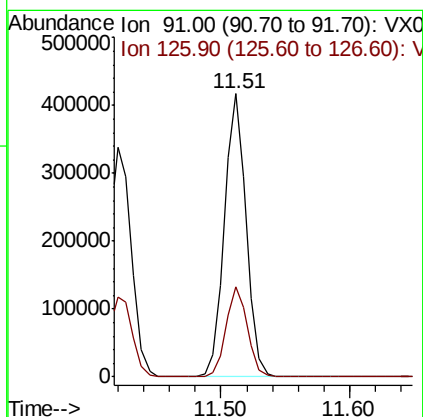
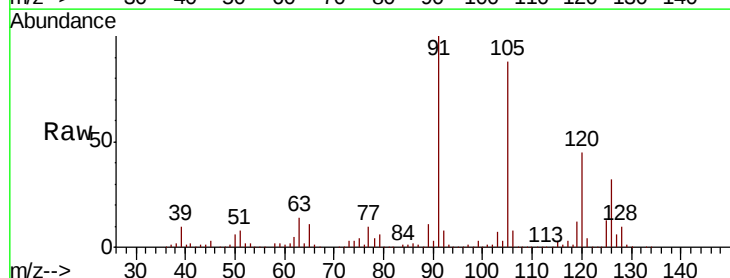
Acq: 15 Sep 2018 00:31

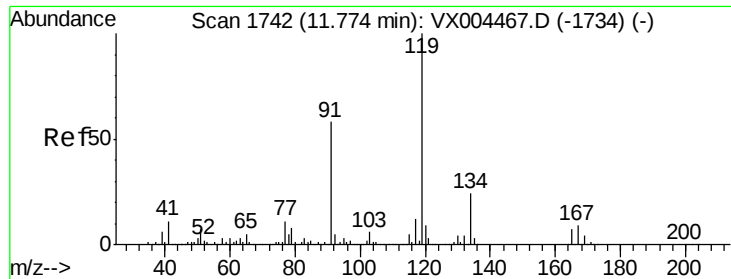
Tgt Ion: 91 Resp: 498016

Ion Ratio Lower Upper

91 100

126 31.6 15.5 46.5





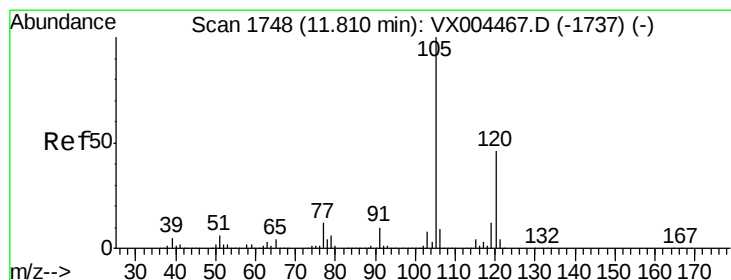
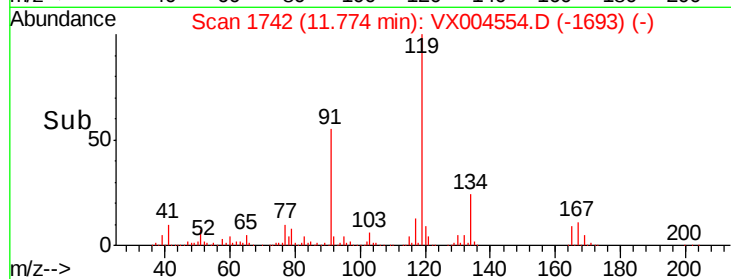
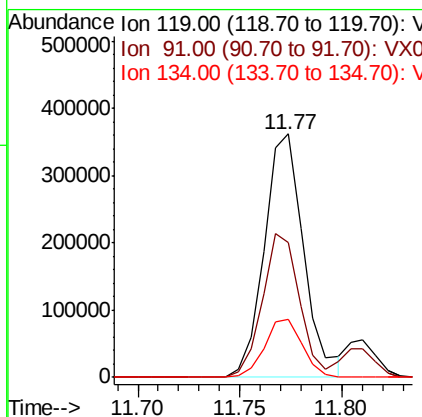
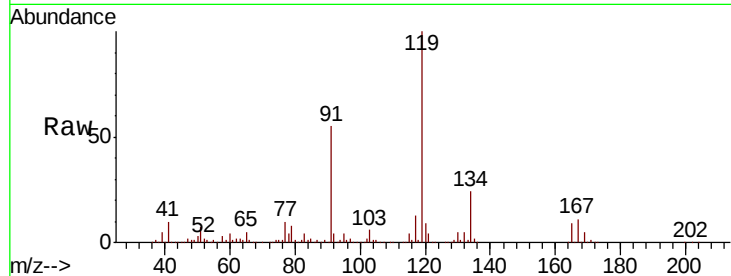
#83
tert-Butylbenzene
Concen: 49.83 ug/l
RT: 11.77 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX004554.D
Acq: 15 Sep 2018 00:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	486355		
91	55.8	27.0	81.0	
134	23.2	11.7	35.1	

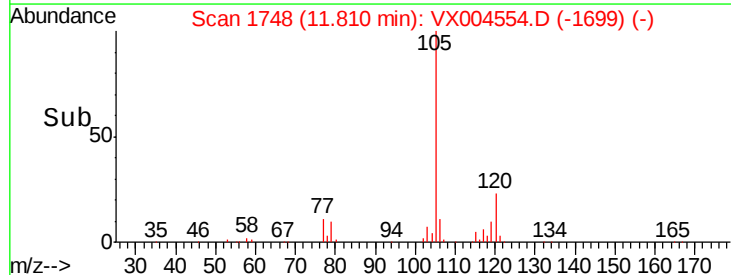
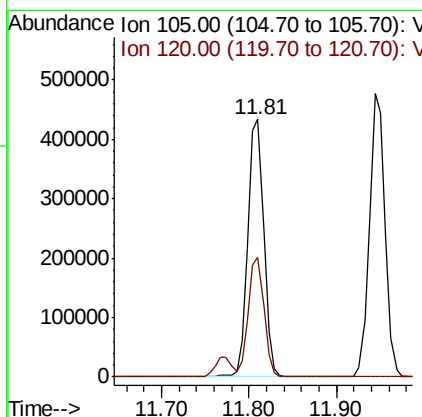
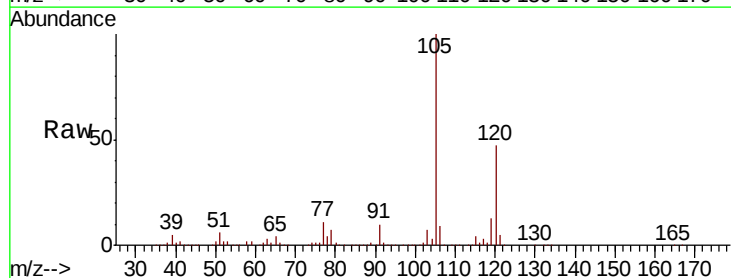
Manual Integrations
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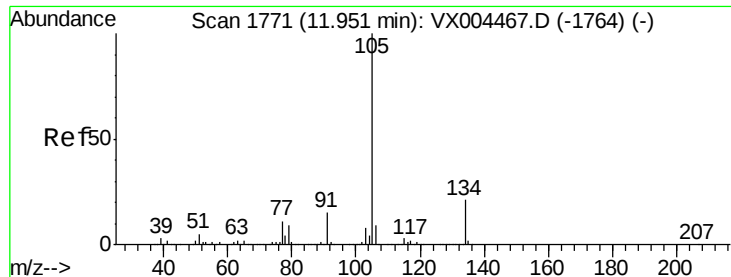
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#84
1,2,4-Trimethylbenzene
Concen: 51.98 ug/l
RT: 11.81 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VX004554.D
Acq: 15 Sep 2018 00:31

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	544159		
120	45.6	23.2	69.6	





#85

sec-Butylbenzene

Concen: 48.10 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX004554.D

Acq: 15 Sep 2018 00:31

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion:105 Resp: 598257

Ion Ratio Lower Upper

105 100

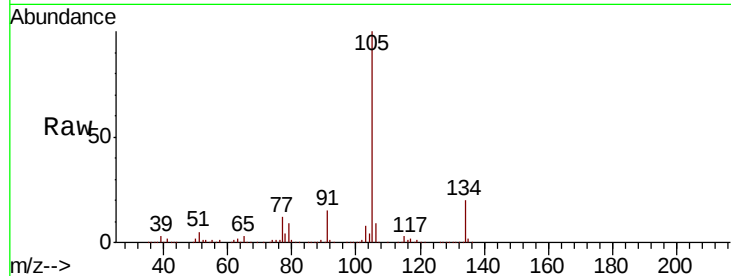
134 20.4 10.5 31.5

Manual Integrations

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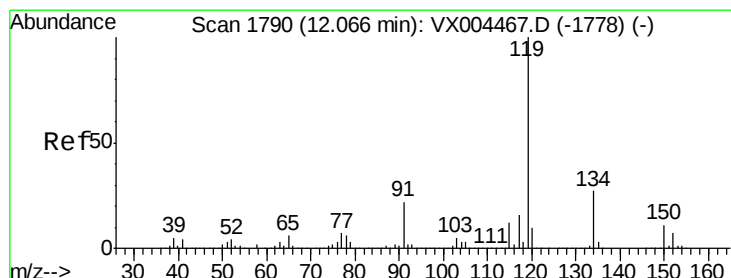
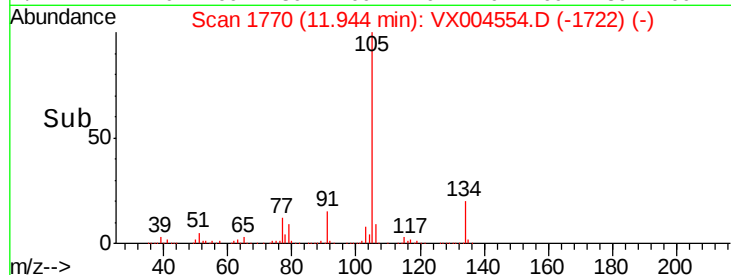
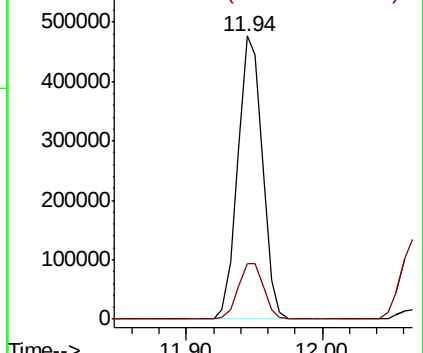
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.18 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX004554.D

Acq: 15 Sep 2018 00:31

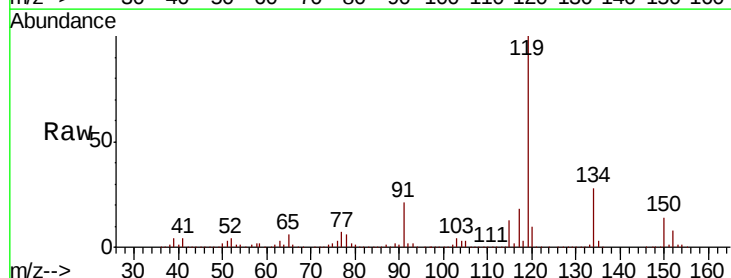
Tgt Ion:119 Resp: 551243

Ion Ratio Lower Upper

119 100

134 27.2 13.4 40.2

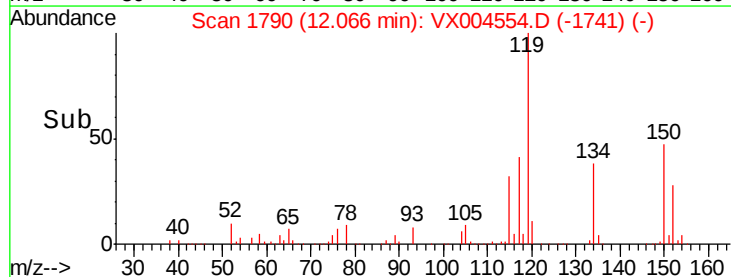
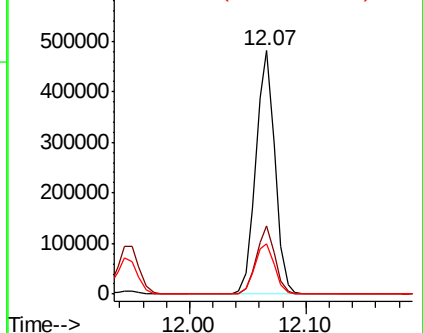
91 21.8 10.9 32.7

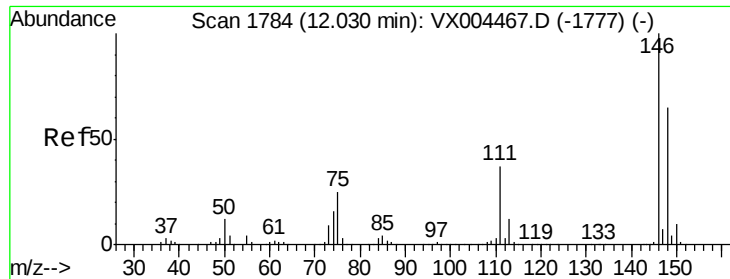


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





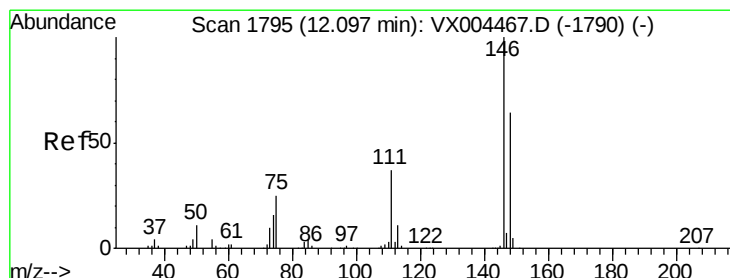
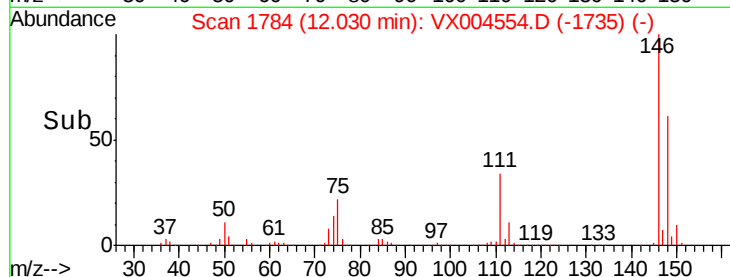
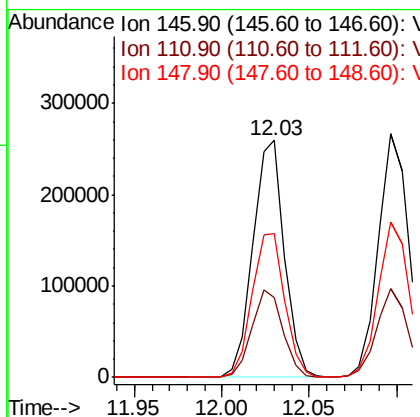
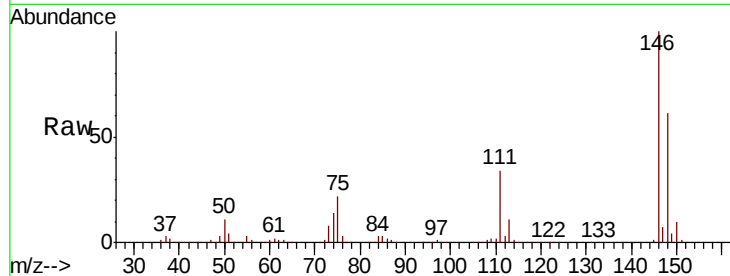
#87
 1,3-Dichlorobenzene
 Concen: 51.47 ug/l
 RT: 12.03 min Scan# 1784
 Delta R.T. -0.00 min
 Lab File: VX004554.D
 Acq: 15 Sep 2018 00:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.7	56.1
148	63.2	32.1	96.5

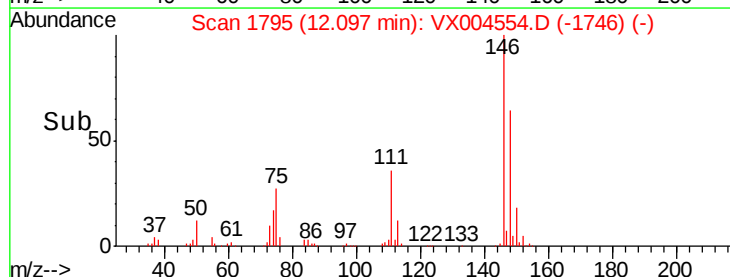
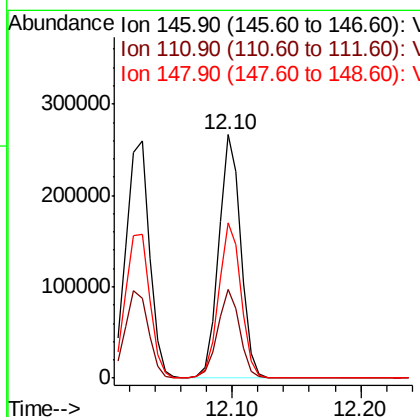
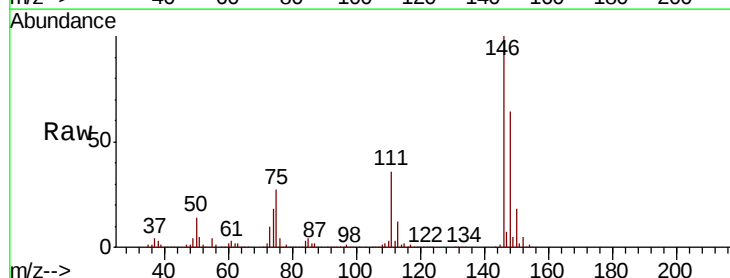
Manual Integrations
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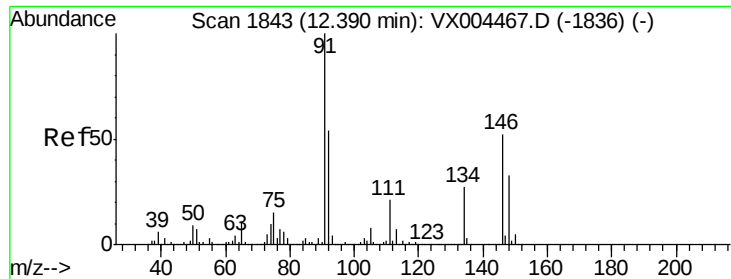
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#88
 1,4-Dichlorobenzene
 Concen: 49.37 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX004554.D
 Acq: 15 Sep 2018 00:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.1	54.1
148	64.6	32.0	96.0





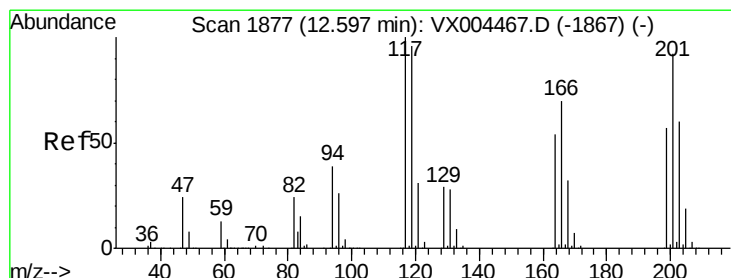
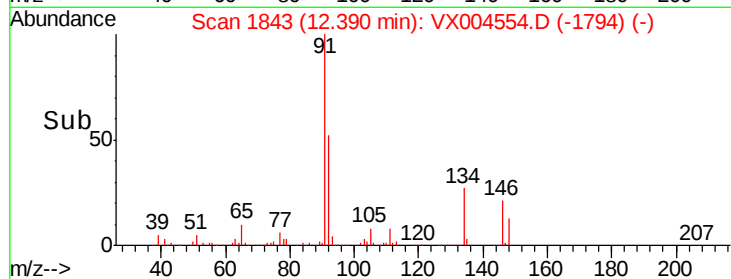
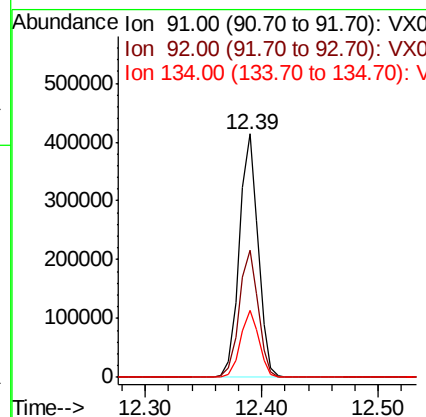
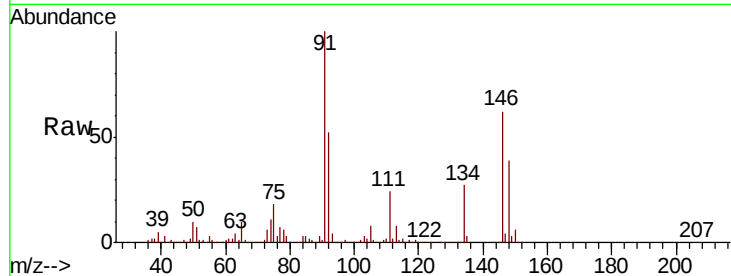
#89
n-Butylbenzene
Concen: 46.62 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX004554.D
Acq: 15 Sep 2018 00:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	27.3	81.9
134	27.0	13.6	40.7

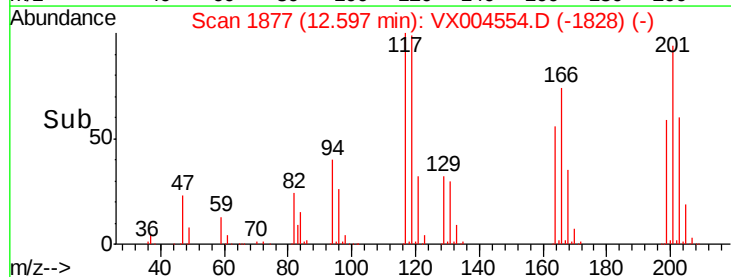
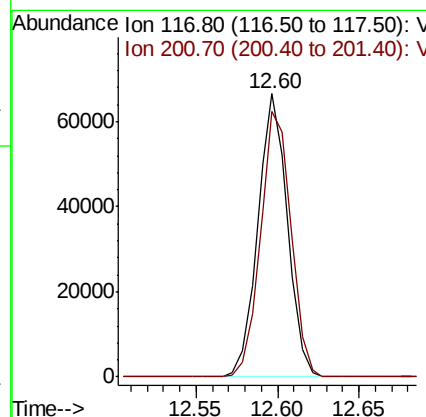
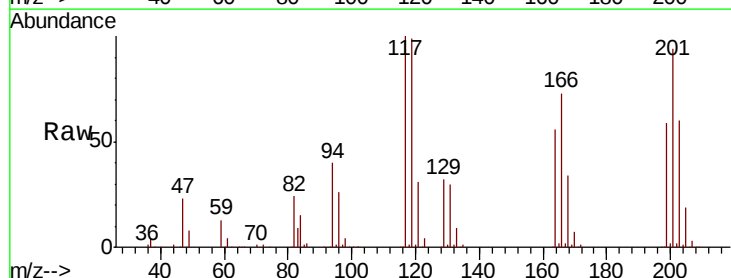
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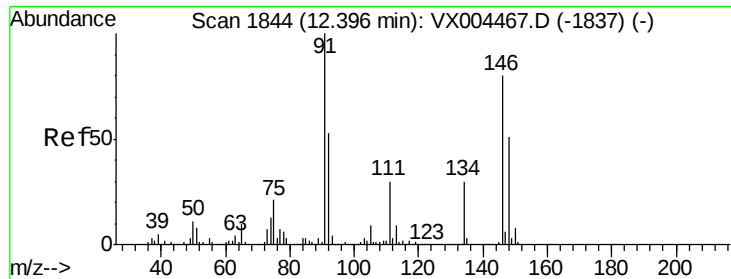
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#90
Hexachloroethane
Concen: 47.50 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX004554.D
Acq: 15 Sep 2018 00:31

Tgt Ion	Ratio	Lower	Upper
117	100		
201	96.9	46.9	140.6





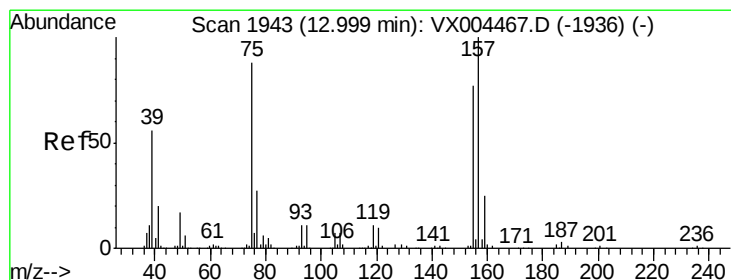
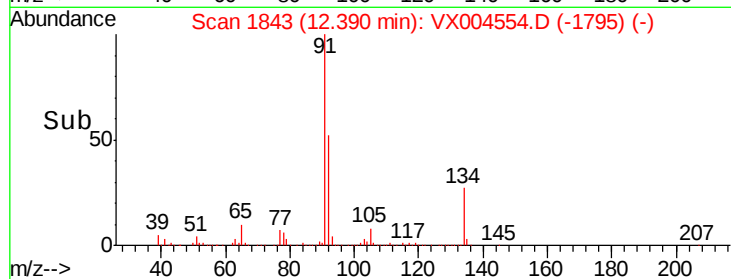
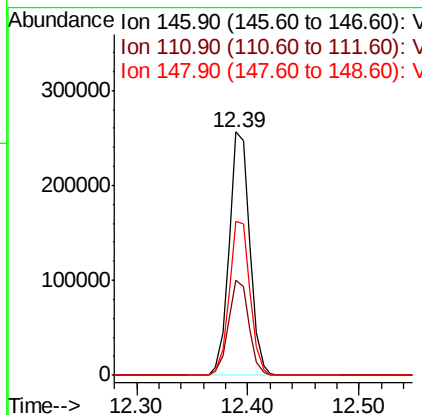
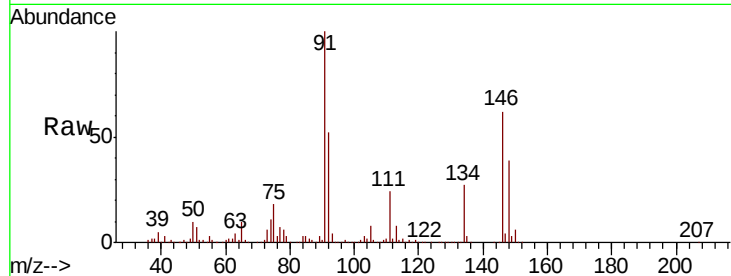
#91
 1,2-Dichlorobenzene
 Concen: 51.18 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: VX004554.D
 Acq: 15 Sep 2018 00:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.4	58.1
148	63.8	32.8	98.3

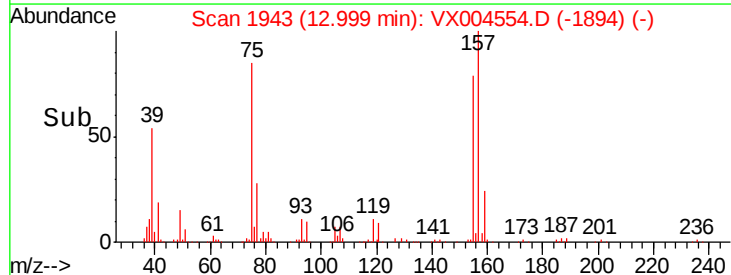
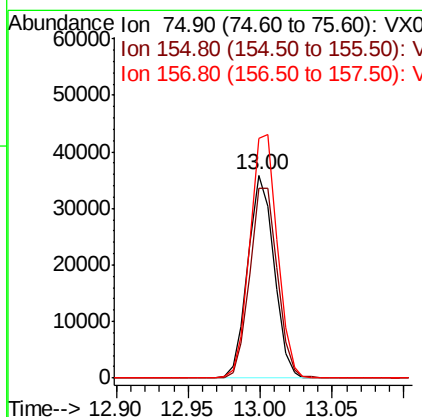
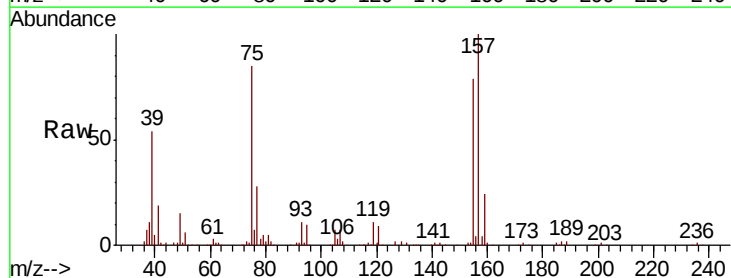
Manual Integrations
 APPROVED

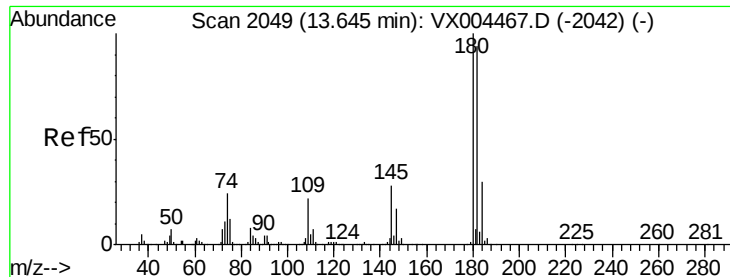
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 9/17/2018 5:09:27 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.56 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX004554.D
 Acq: 15 Sep 2018 00:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.0	48.0	144.2
157	125.5	61.4	184.1





#93

1,2,4-Trichlorobenzene

Concen: 61.81 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. -0.00 min

Lab File: VX004554.D

Acq: 15 Sep 2018 00:31

Instrument :

MSVOA_X

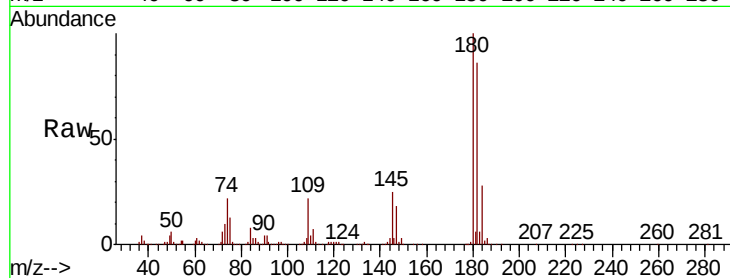
ClientSampleId :

VSTDCCC050

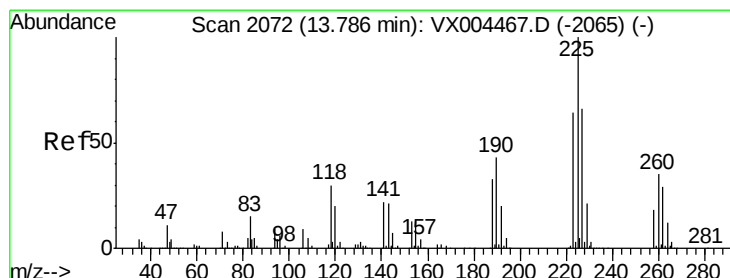
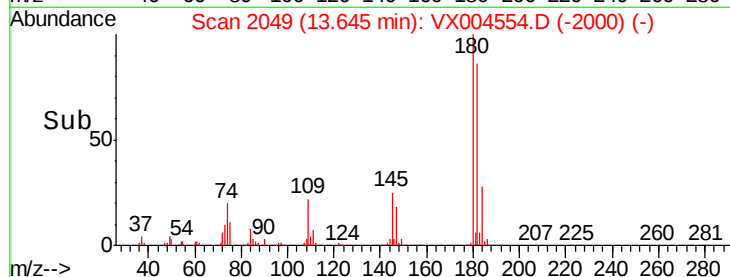
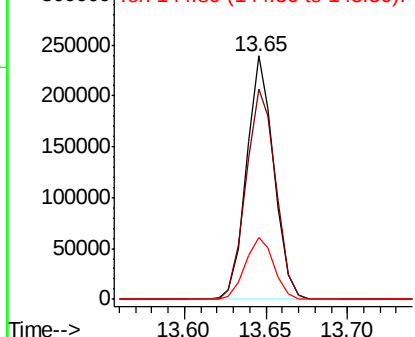
Tot Ion:	180	Resp:	278636
Ion Ratio		Lower	Upper
180	100		
182	94.0	48.4	145.0
145	26.8	14.3	42.9

Manual Integrations
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9/17/2018 5:09:27 PM



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



#94

Hexachlorobutadiene

Concen: 51.23 ug/l

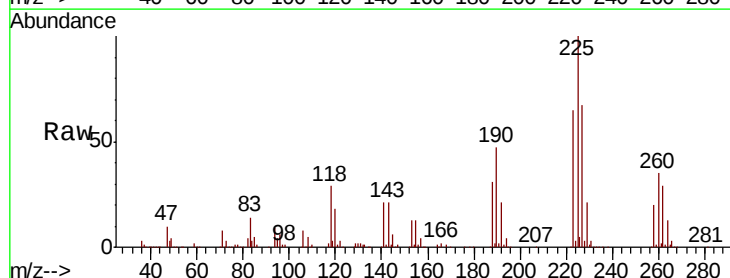
RT: 13.79 min Scan# 2072

Delta R.T. -0.00 min

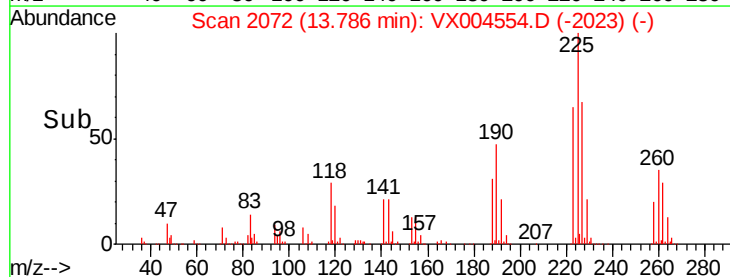
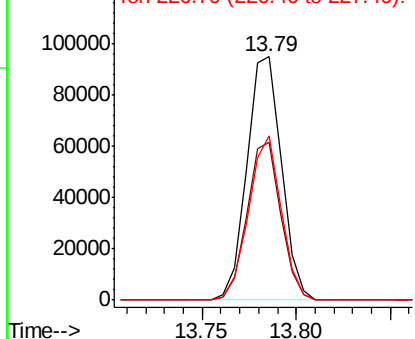
Lab File: VX004554.D

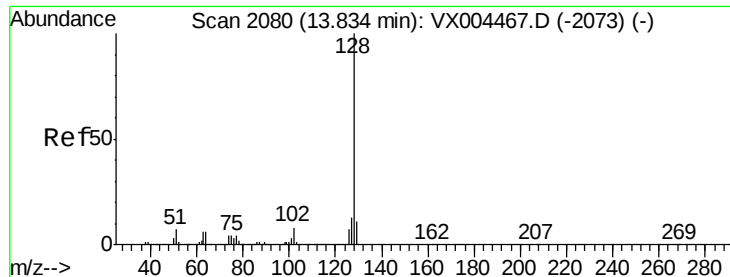
Acq: 15 Sep 2018 00:31

Tgt Ion:	225	Resp:	120624
Ion Ratio		Lower	Upper
225	100		
223	63.4	30.1	90.5
227	63.8	30.8	92.4



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





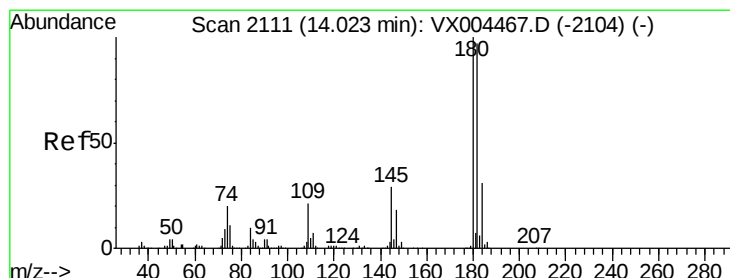
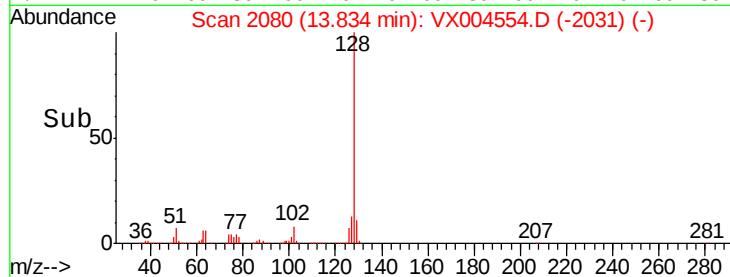
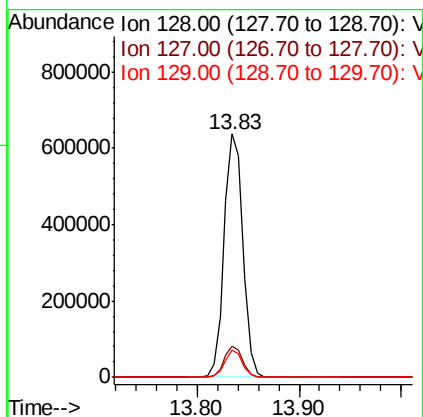
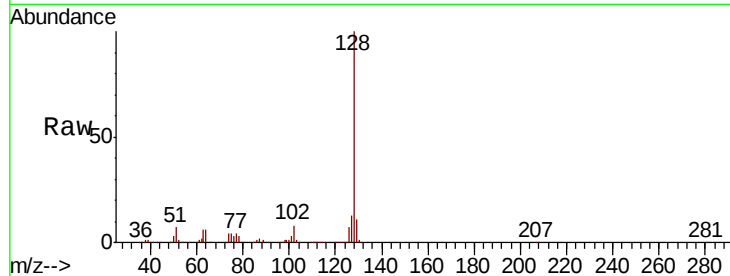
#95
Naphthalene
Concen: 64.23 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX004554.D
Acq: 15 Sep 2018 00:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.5	8.6	12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 55.51 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. -0.00 min
Lab File: VX004554.D
Acq: 15 Sep 2018 00:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.7	48.5	145.6
145	30.4	14.9	44.9

