

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091518\
 Data File : VX004599.D
 Acq On : 15 Sep 2018 22:13
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/17/2018 6:27:28 PM

Quant Time: Sep 17 08:47:33 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	5.66	168	268794	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	341315	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	318927	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	235859	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	166187	47.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.90%	
35) Dibromofluoromethane	5.51	113	153591	49.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.36%	
50) Toluene-d8	8.71	98	511365	48.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.64%	
62) 4-Bromofluorobenzene	11.14	95	186759	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.20	85	122130	48.48	ug/l	99
3) Chloromethane	1.32	50	156450	45.13	ug/l	99
4) Vinyl Chloride	1.40	62	172967	48.61	ug/l	92
5) Bromomethane	1.64	94	66454	44.47	ug/l	100
6) Chloroethane	1.71	64	109352	47.52	ug/l	97
7) Trichlorofluoromethane	1.92	101	218217	46.26	ug/l	92
8) Diethyl Ether	2.19	74	103182	48.79	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.38	101	142068	47.48	ug/l	98
10) Methyl Iodide	2.51	142	120339	35.03	ug/l	97
11) Tert butyl alcohol	3.07	59	195215	236.05	ug/l	99
12) 1,1-Dichloroethene	2.37	96	136027	48.43	ug/l	87
13) Acrolein	2.29	56	89937	275.50	ug/l	100
14) Allyl chloride	2.73	41	273539	47.37	ug/l	92
15) Acrylonitrile	3.15	53	487646	244.86	ug/l	99
16) Acetone	2.45	43	361764	213.86	ug/l	97
17) Carbon Disulfide	2.57	76	380532	46.87	ug/l	100
18) Methyl Acetate	2.78	43	233085	49.11	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	487694	49.49	ug/l	99
20) Methylene Chloride	2.85	84	156023	44.96	ug/l	95
21) trans-1,2-Dichloroethene	3.16	96	145264	46.81	ug/l	93
22) Diisopropyl ether	3.87	45	506279	48.68	ug/l	94
23) Vinyl Acetate	3.82	43	2120449	251.96	ug/l	99
24) 1,1-Dichloroethane	3.70	63	276717	47.13	ug/l	98
25) 2-Butanone	4.70	43	609073	226.24	ug/l	91
26) 2,2-Dichloropropane	4.58	77	175916	43.62	ug/l	96
27) cis-1,2-Dichloroethene	4.59	96	169957	49.06	ug/l	99
28) Bromochloromethane	5.01	49	131741	49.05	ug/l	99
29) Tetrahydrofuran	5.15	42	396058	243.94	ug/l	98
30) Chloroform	5.21	83	279457	48.75	ug/l	90
31) Cyclohexane	5.57	56	254787	50.82	ug/l	# 90
32) 1,1,1-Trichloroethane	5.49	97	228629	49.52	ug/l	99
36) 1,1-Dichloropropene	5.79	75	210734	50.86	ug/l	99
37) Ethyl Acetate	4.85	43	229516	48.70	ug/l	99
38) Carbon Tetrachloride	5.78	117	203317	50.24	ug/l	98

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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	220728	51.05	ug/l	98
40) Benzene	6.15	78	623955	50.75	ug/l	96
41) Methacrylonitrile	5.06	41	126057	48.55	ug/l	98
42) 1,2-Dichloroethane	6.20	62	190813	46.79	ug/l	99
43) Isopropyl Acetate	6.46	43	317517	50.72	ug/l	99
44) Trichloroethene	7.21	130	155788	48.77	ug/l	97
45) 1,2-Dichloropropane	7.52	63	148343	50.14	ug/l	97
46) Dibromomethane	7.66	93	92613	49.55	ug/l	99
47) Bromodichloromethane	7.90	83	176951	50.06	ug/l	99
48) Methyl methacrylate	7.77	41	158621	51.20	ug/l	98
49) 1,4-Dioxane	7.76	88	74165	1011.52	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	1014912	229.75	ug/l	99
52) Toluene	8.79	92	352245	48.63	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	208186	50.42	ug/l	94
54) cis-1,3-Dichloropropene	8.44	75	216574	51.46	ug/l	96
55) 1,1,2-Trichloroethane	9.22	97	163689	52.48	ug/l	98
56) Ethyl methacrylate	9.18	69	250240	56.71	ug/l	95
57) 1,3-Dichloropropane	9.37	76	253732	50.07	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	549885	244.76	ug/l	96
59) 2-Hexanone	9.50	43	838518	247.47	ug/l	98
60) Dibromochloromethane	9.59	129	180711	61.54	ug/l	98
61) 1,2-Dibromoethane	9.68	107	187878	63.06	ug/l	97
64) Tetrachloroethene	9.34	164	201180	50.52	ug/l	94
65) Chlorobenzene	10.14	112	397699	50.20	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.23	131	141071	51.64	ug/l	99
67) Ethyl Benzene	10.26	91	670156	52.03	ug/l	99
68) m/p-Xylenes	10.36	106	525343	105.88	ug/l	98
69) o-Xylene	10.70	106	254051	53.26	ug/l	99
70) Styrene	10.71	104	427658	54.11	ug/l	99
71) Bromoform	10.86	173	116344	51.87	ug/l #	100
73) Isopropylbenzene	11.02	105	687278	44.25	ug/l	100
74) N-amyl acetate	10.90	43	283457	43.35	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	215043	42.92	ug/l	97
76) 1,2,3-Trichloropropane	11.30	75	211873m	44.65	ug/l	
77) Bromobenzene	11.26	156	182241	42.45	ug/l	99
78) n-propylbenzene	11.36	91	932808	52.23	ug/l	100
79) 2-Chlorotoluene	11.42	91	535563	49.44	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	691013	52.92	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.08	75	61477	41.30	ug/l	94
82) 4-Chlorotoluene	11.51	91	671113	53.08	ug/l	99
83) tert-Butylbenzene	11.77	119	693086	55.75	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	744687	55.86	ug/l	98
85) sec-Butylbenzene	11.94	105	875680	55.27	ug/l	98
86) p-Isopropyltoluene	12.07	119	771083	55.12	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	421629	52.63	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	416179	50.28	ug/l	99
89) n-Butylbenzene	12.39	91	677592	53.15	ug/l	99
90) Hexachloroethane	12.60	117	117921	52.65	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	420869	51.91	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	58188	54.39	ug/l	99

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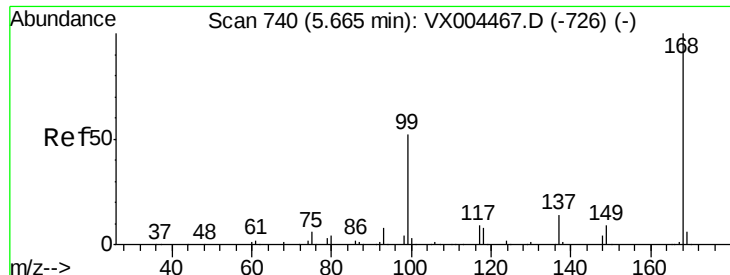
Manual Integrations
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	315884	55.02	ug/l	98
94) Hexachlorobutadiene	13.79	225	155192	51.75	ug/l	97
95) Naphthalene	13.83	128	966147	60.00	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	310625	52.67	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX004599.D

Acq: 15 Sep 2018 22:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 268794

Ion Ratio Lower Upper

168 100

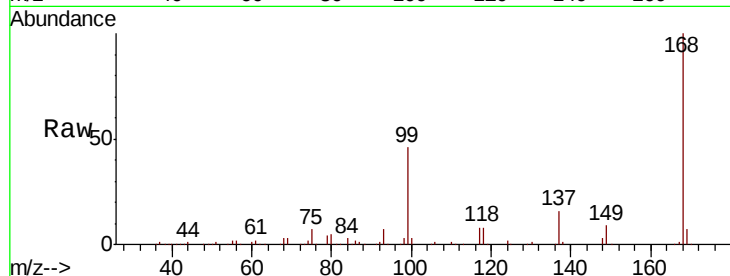
99 46.4 39.9 59.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

100000

80000

60000

40000

20000

0

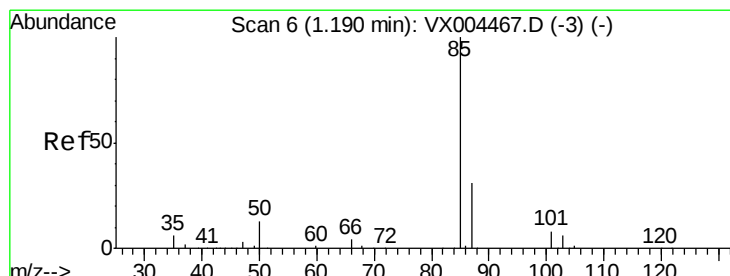
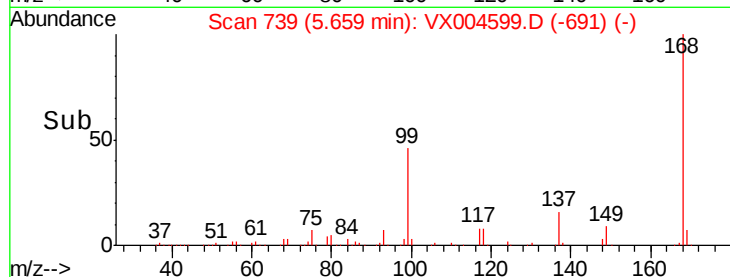
Time-->

5.50

5.60

5.70

5.80



#2

Dichlorodifluoromethane

Concen: 48.48 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.01 min

Lab File: VX004599.D

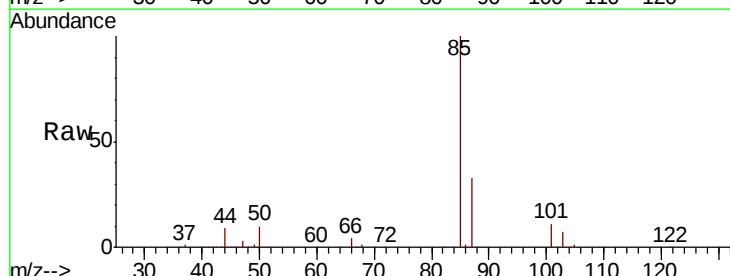
Acq: 15 Sep 2018 22:13

Tgt Ion: 85 Resp: 122130

Ion Ratio Lower Upper

85 100

87 33.1 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

120000

100000

80000

60000

40000

20000

0

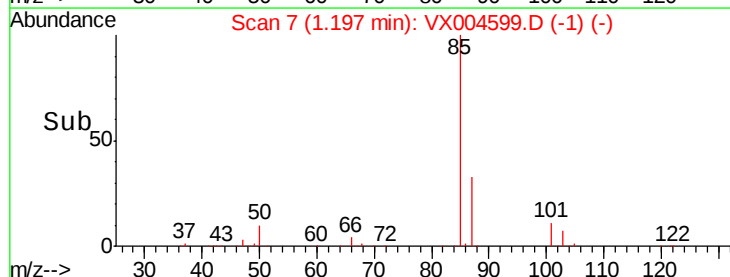
Time-->

1.15

1.20

1.25

1.30





#3

Chloromethane

Concen: 45.13 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX004599.D

Acq: 15 Sep 2018 22:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 156450

Ion Ratio Lower Upper

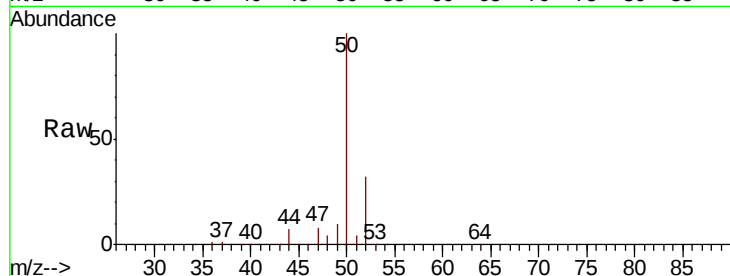
50 100

52 32.2 26.2 39.2

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

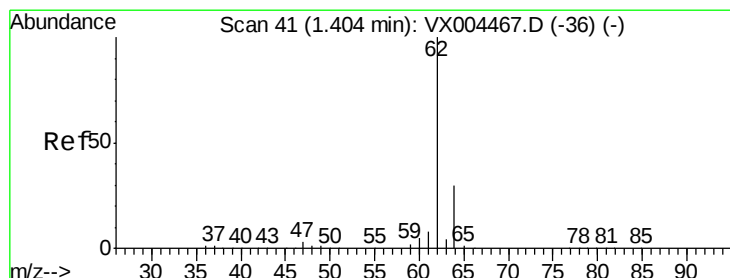
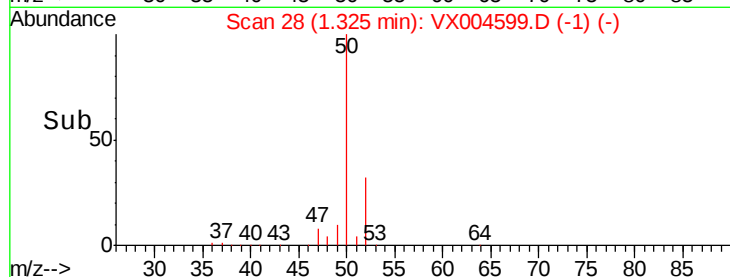
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 48.61 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX004599.D

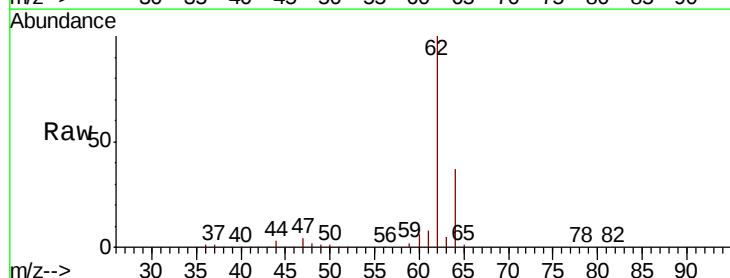
Acq: 15 Sep 2018 22:13

Tgt Ion: 62 Resp: 172967

Ion Ratio Lower Upper

62 100

64 36.7 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

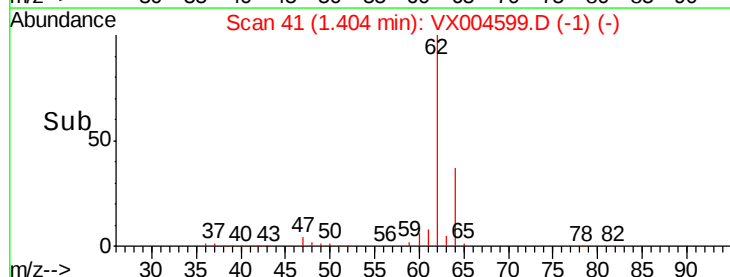
150000

100000

50000

0

Time-->





#5

Bromomethane

Concen: 44.47 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004599.D

Acq: 15 Sep 2018 22:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 66454

Ion Ratio Lower Upper

94 100

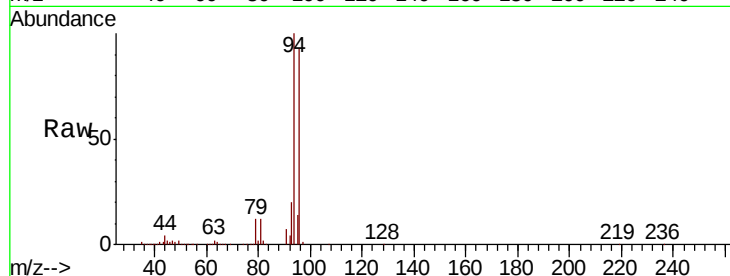
96 93.1 74.5 111.7

Manual Integrations

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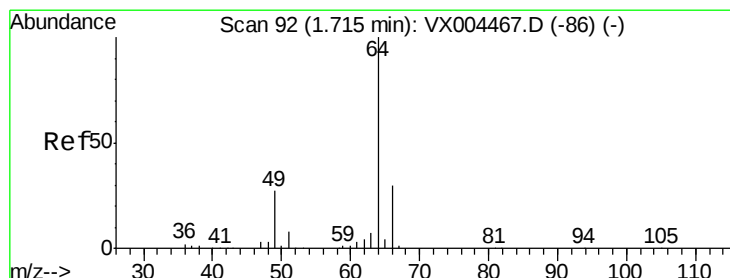
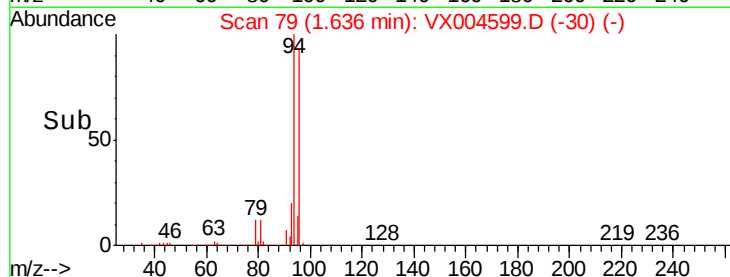
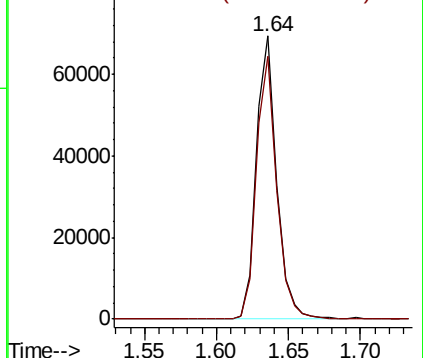
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 47.52 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX004599.D

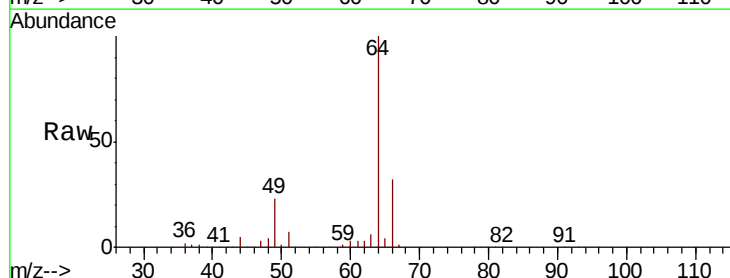
Acq: 15 Sep 2018 22:13

Tgt Ion: 64 Resp: 109352

Ion Ratio Lower Upper

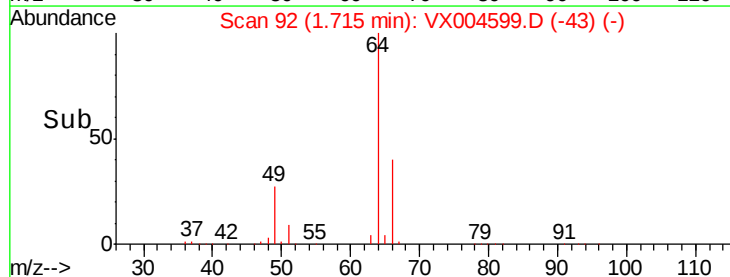
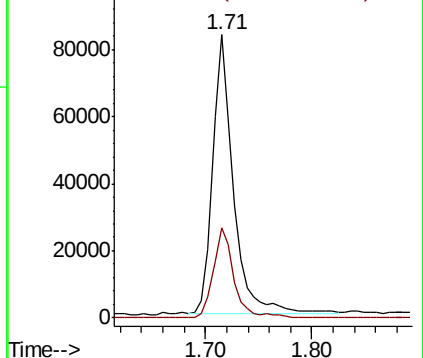
64 100

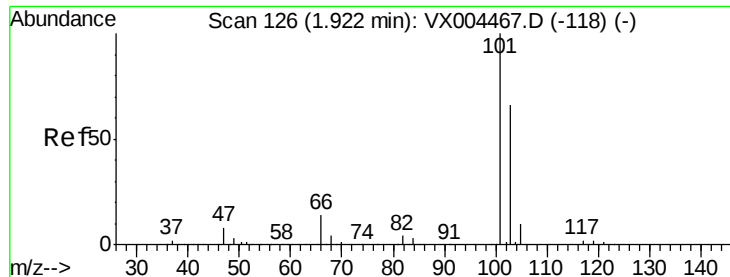
66 32.3 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

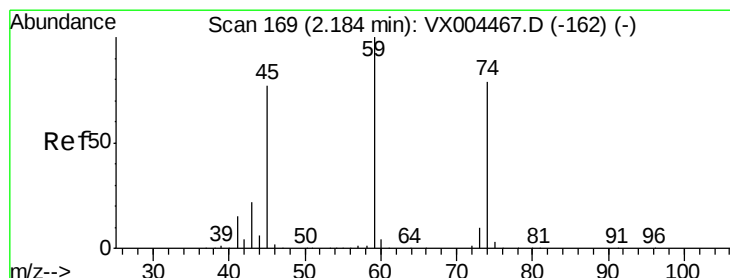
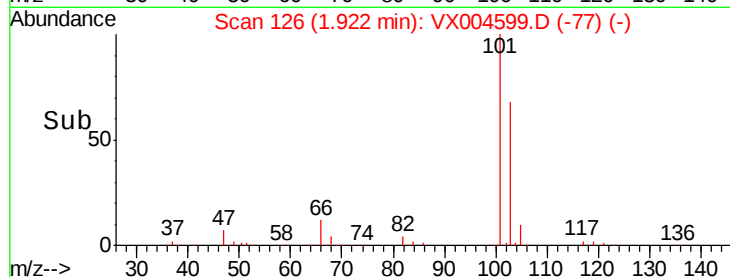
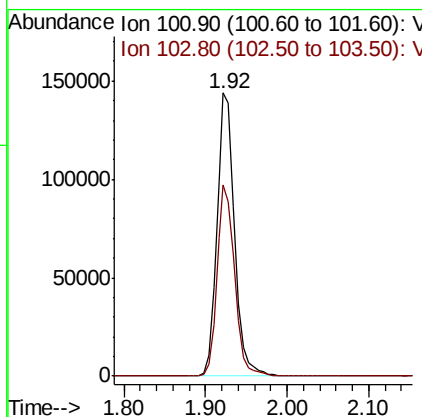
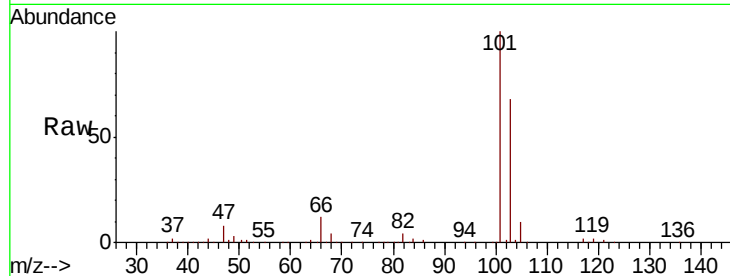
Trichlorofluoromethane
Concen: 46.26 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX004599.D
Acq: 15 Sep 2018 22:13

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	67.6	48.9	73.3

Manual Integrations
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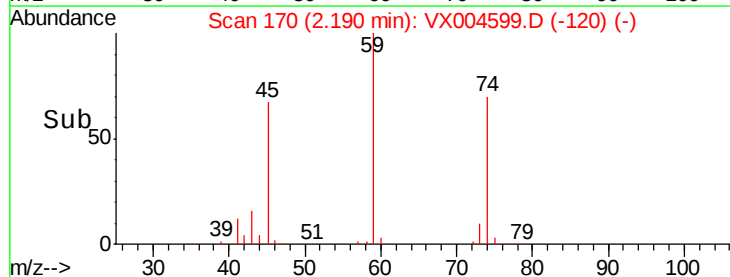
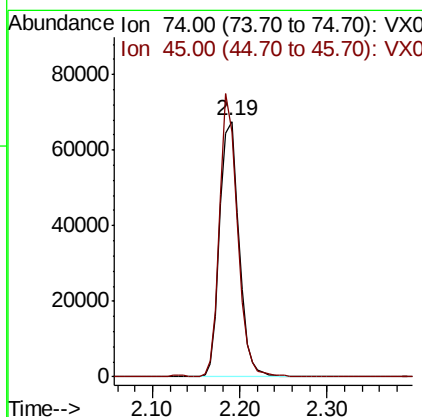
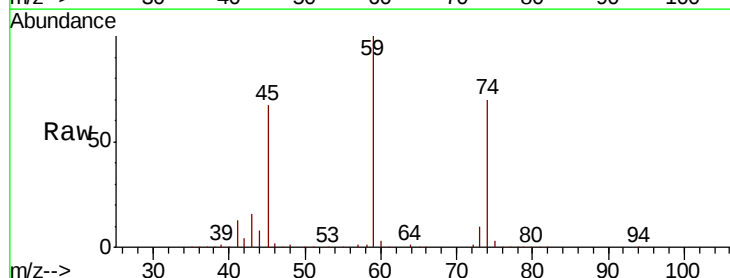
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#8

Diethyl Ether
Concen: 48.79 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX004599.D
Acq: 15 Sep 2018 22:13

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.5	48.3	144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.48 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX004599.D

Acq: 15 Sep 2018 22:13

Instrument :

MSVOA_X

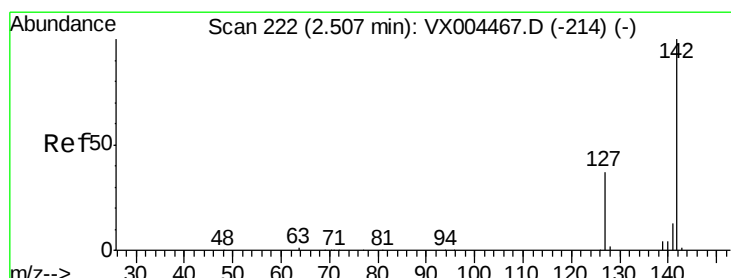
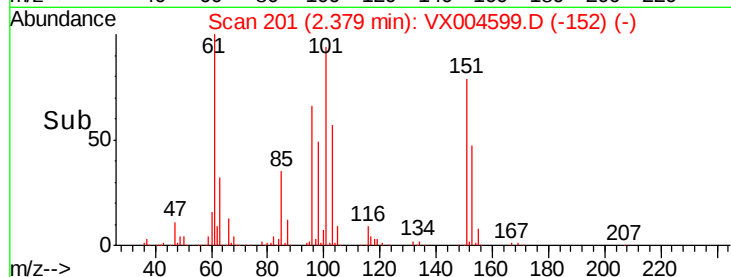
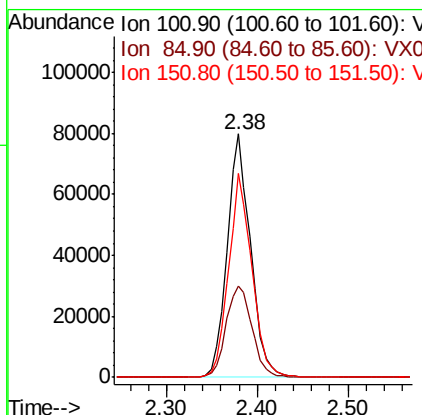
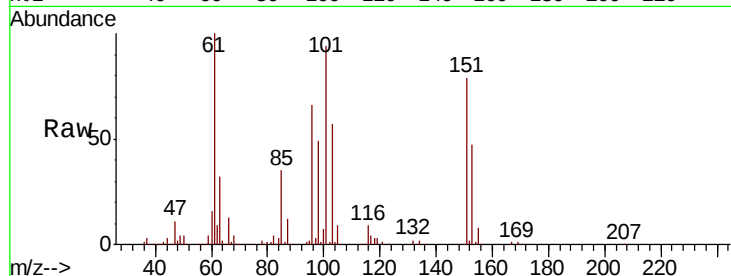
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	142068
Ion Ratio	Lower	Upper	
101	100		
85	41.9	34.2	51.4
151	83.7	65.0	97.6

Manual Integrations
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#10

Methyl Iodide

Concen: 35.03 ug/l

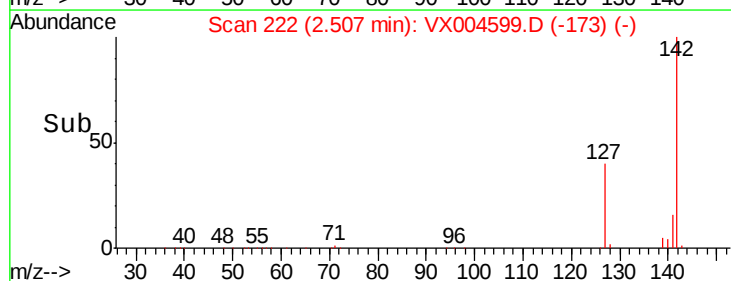
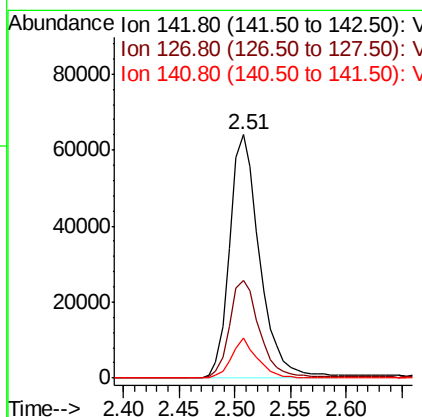
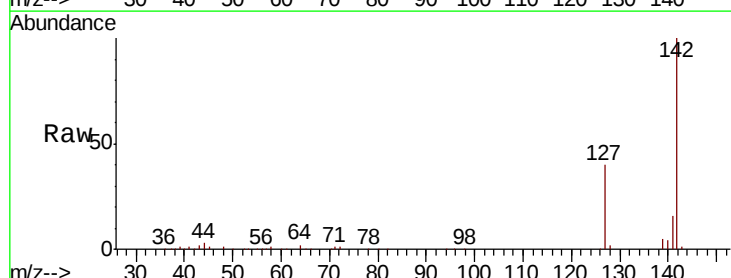
RT: 2.51 min Scan# 222

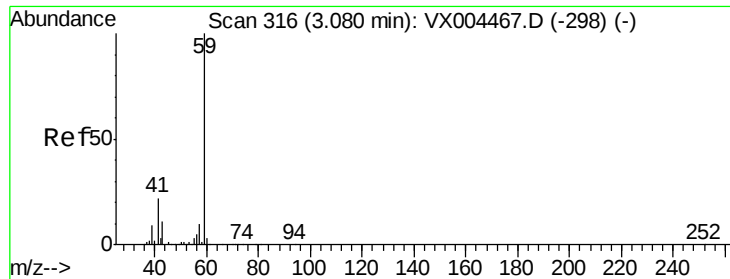
Delta R.T. 0.00 min

Lab File: VX004599.D

Acq: 15 Sep 2018 22:13

Tgt Ion:	142	Resp:	120339
Ion Ratio	Lower	Upper	
142	100		
127	39.8	33.8	50.6
141	14.3	11.4	17.0





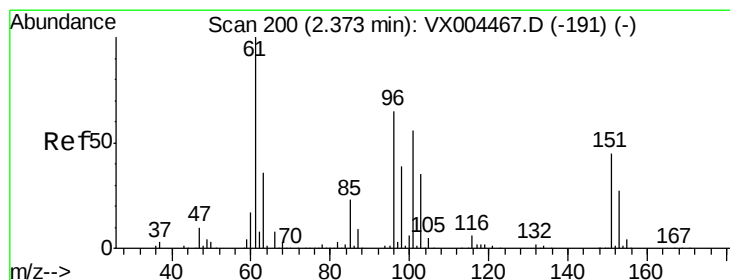
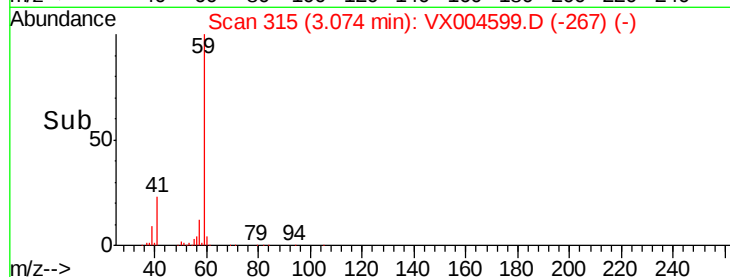
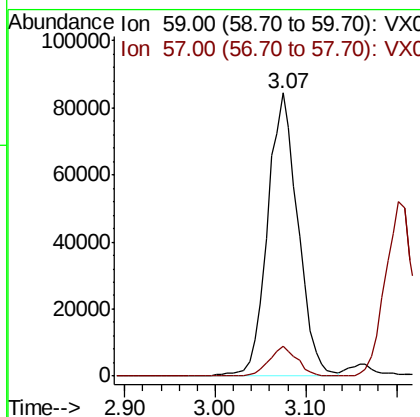
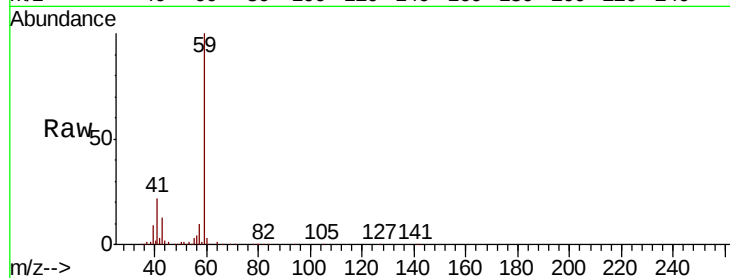
#11
Tert butyl alcohol
Concen: 236.05 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX004599.D
Acq: 15 Sep 2018 22:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	195215		
57	9.9		8.2	12.4

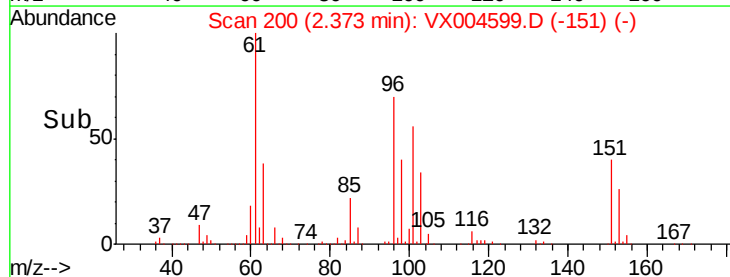
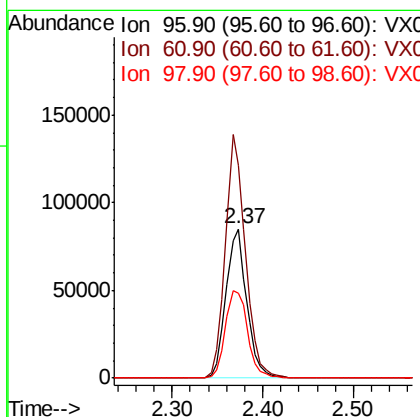
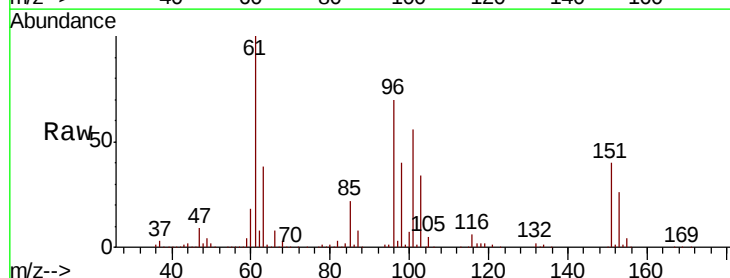
Manual Integrations
APPROVED

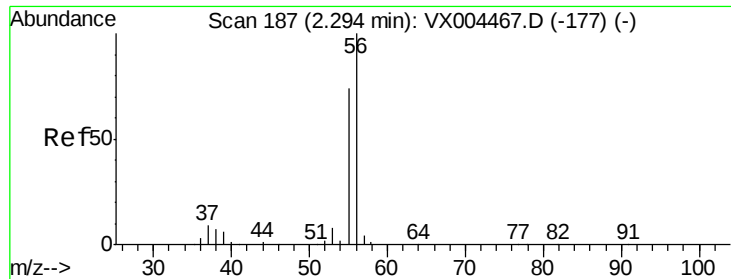
MMDadoda
9/17/2018 6:27:28 PM



#12
1,1-Dichloroethene
Concen: 48.43 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX004599.D
Acq: 15 Sep 2018 22:13

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	136027		
61	142.0		128.8	193.2
98	56.4		52.2	78.2





#13

Acrolein

Concen: 275.50 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX004599.D

Acq: 15 Sep 2018 22:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 89937

Ion Ratio Lower Upper

56 100

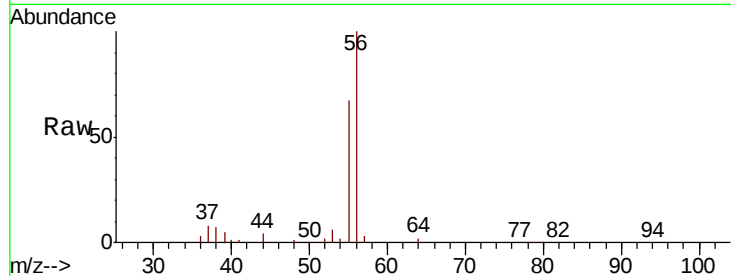
55 68.6 54.7 82.1

Manual Integrations

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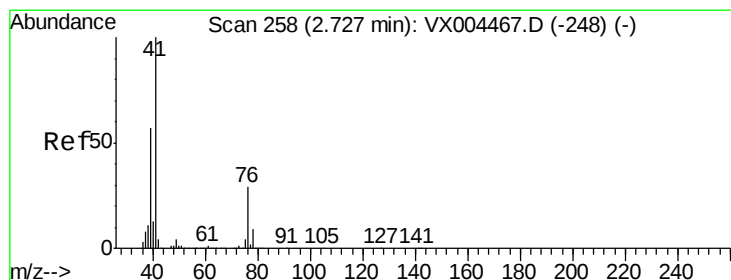
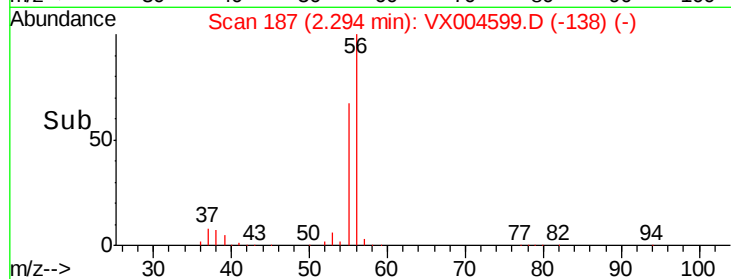
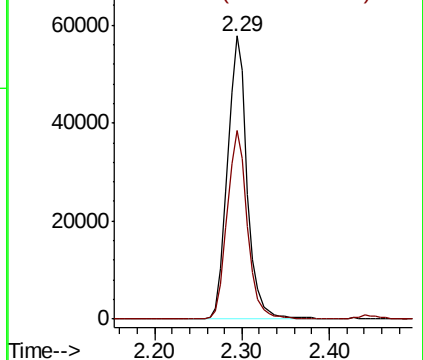
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 47.37 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX004599.D

Acq: 15 Sep 2018 22:13

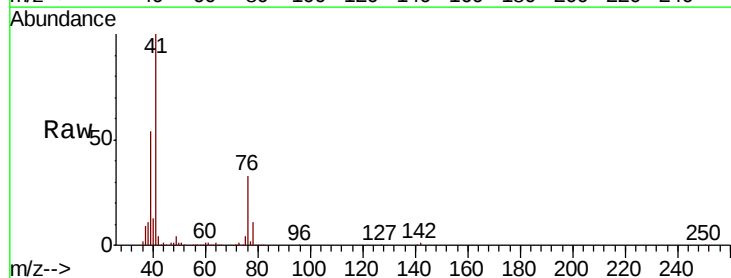
Tgt Ion: 41 Resp: 273539

Ion Ratio Lower Upper

41 100

39 53.5 48.9 73.3

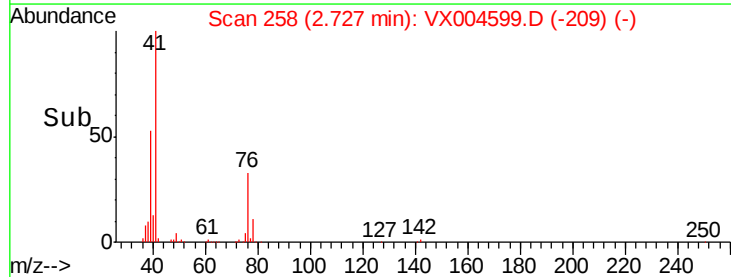
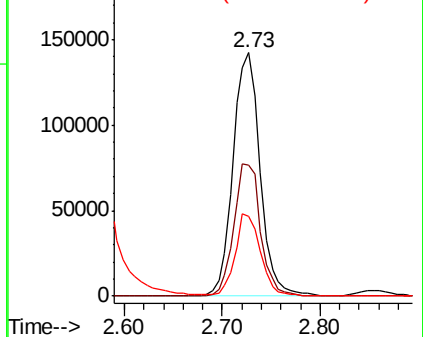
76 31.5 26.7 40.1

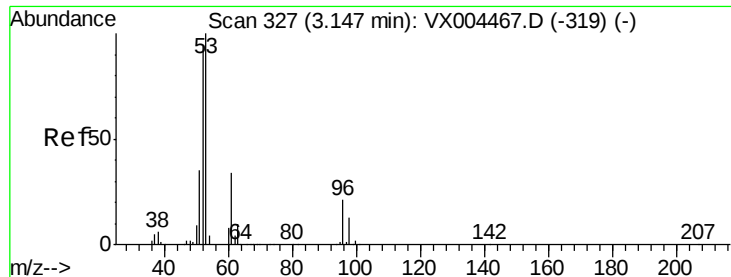


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 244.86 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX004599.D

Acq: 15 Sep 2018 22:13

Instrument :

MSVOA_X

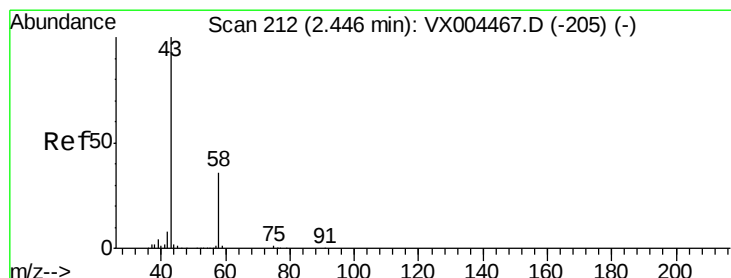
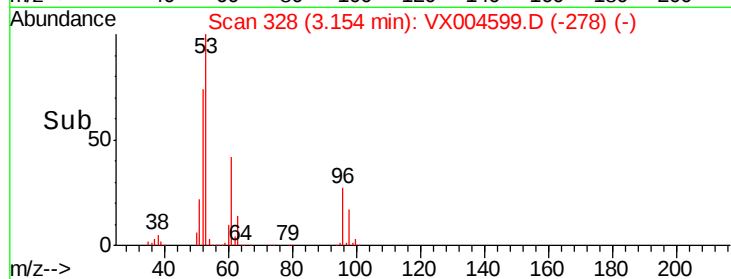
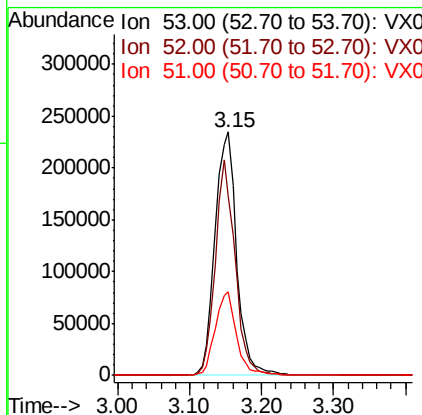
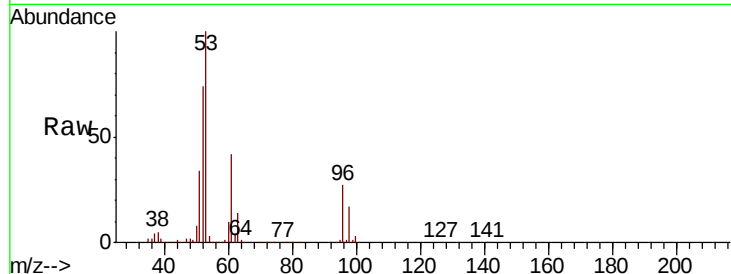
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	487646
Ion Ratio	Lower	Upper	
53	100		
52	81.0	65.2	97.8
51	33.8	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 213.86 ug/l

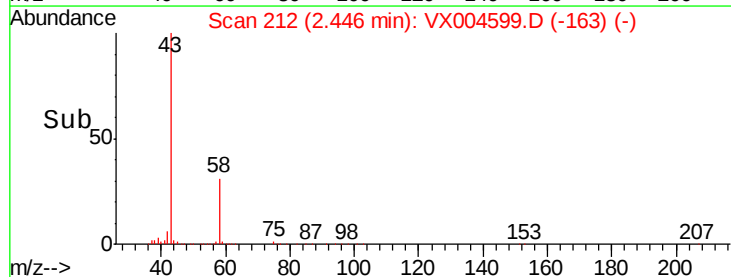
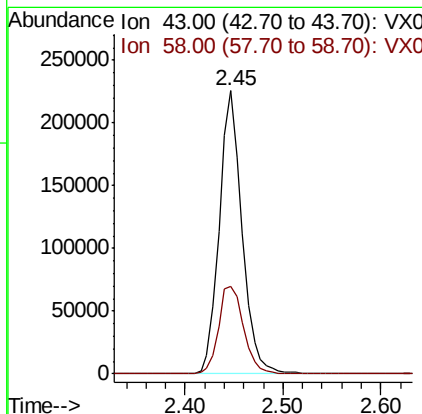
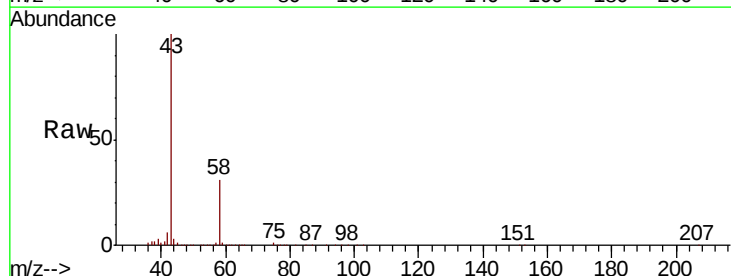
RT: 2.45 min Scan# 212

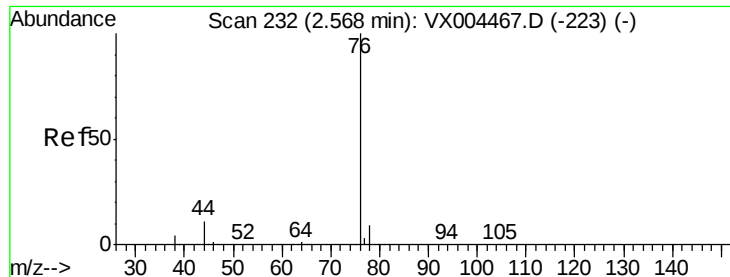
Delta R.T. 0.00 min

Lab File: VX004599.D

Acq: 15 Sep 2018 22:13

Tgt Ion:	43	Resp:	361764
Ion Ratio	Lower	Upper	
43	100		
58	31.0	26.2	39.4





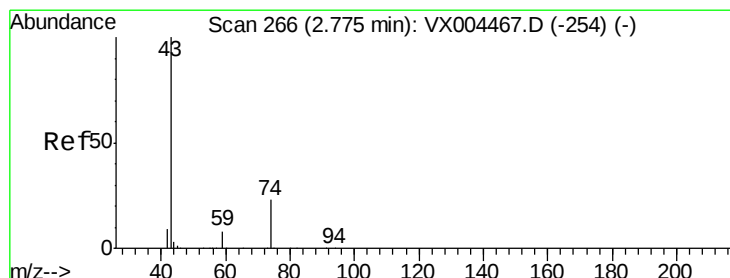
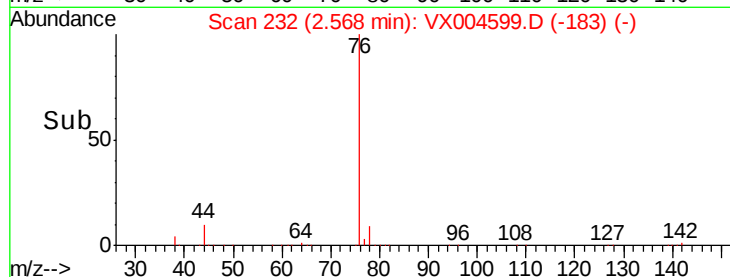
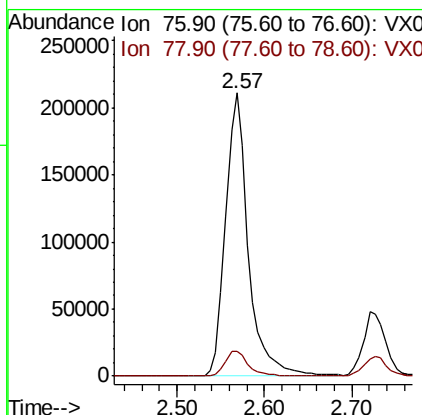
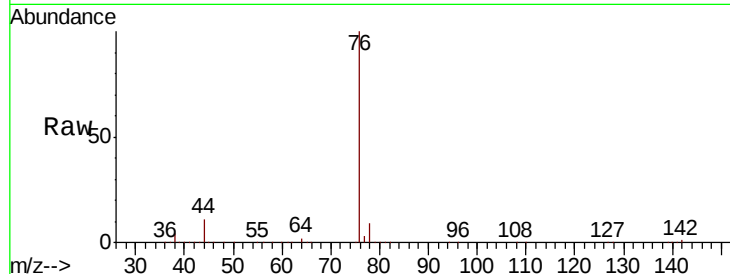
#17
Carbon Disulfide
Concen: 46.87 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX004599.D
Acq: 15 Sep 2018 22:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.0	10.6

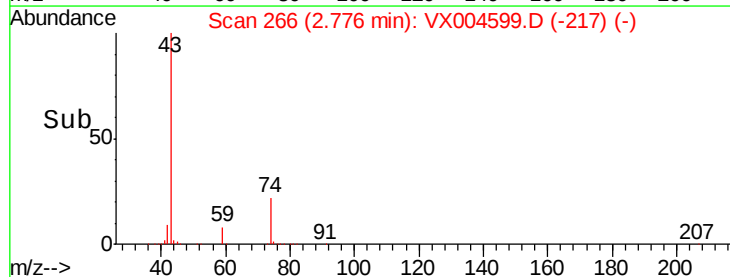
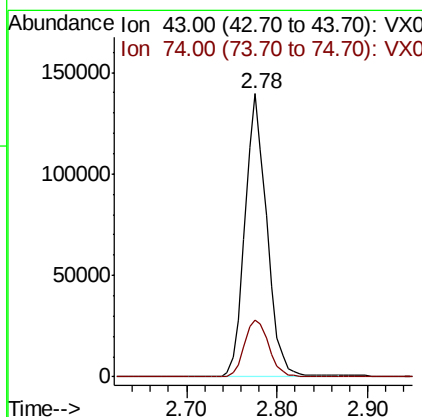
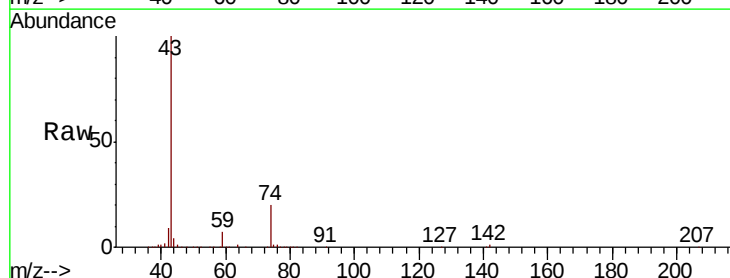
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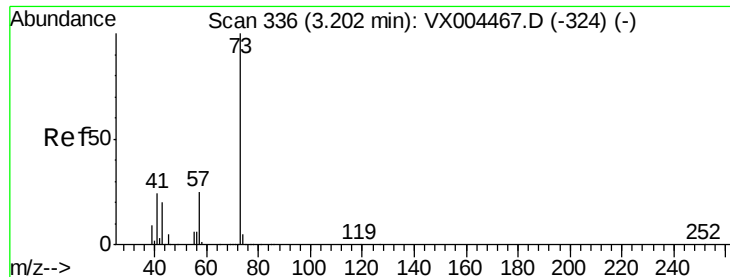
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#18
Methyl Acetate
Concen: 49.11 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX004599.D
Acq: 15 Sep 2018 22:13

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.8	19.4	29.2





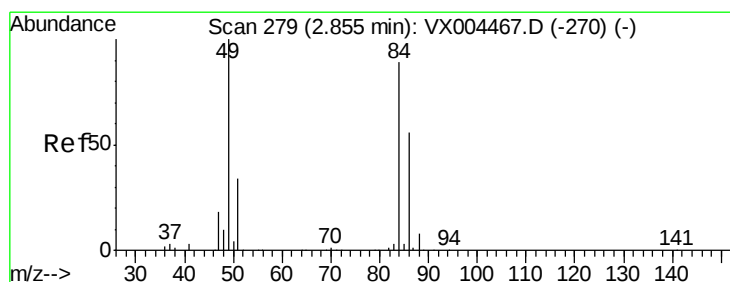
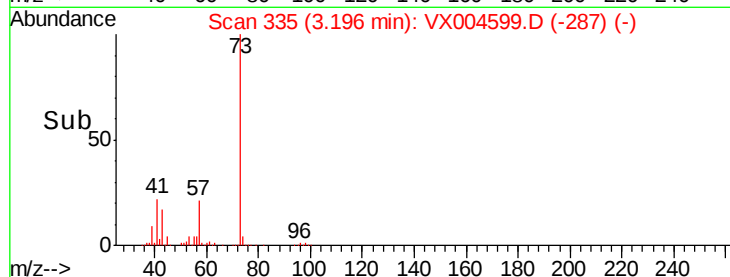
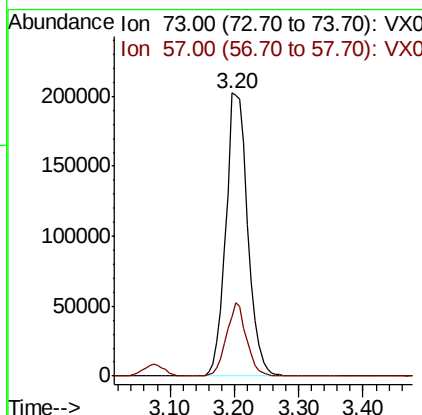
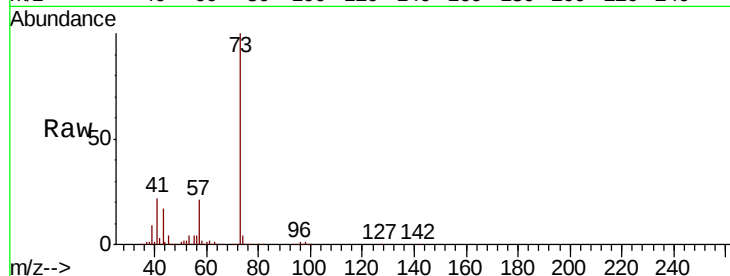
#19
Methvl tert-butvl Ether
Concen: 49.49 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.01 min
Lab File: VX004599.D
Acq: 15 Sep 2018 22:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.1	17.1	25.7

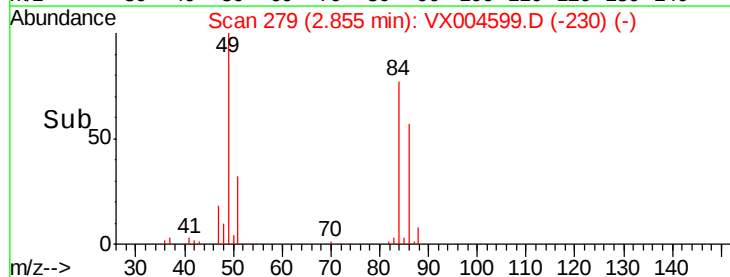
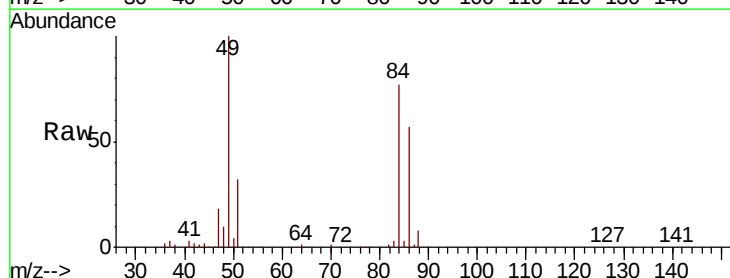
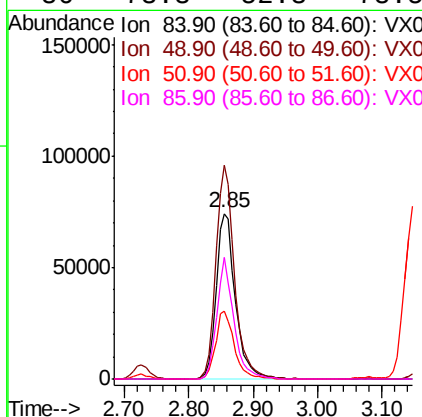
Manual Integrations
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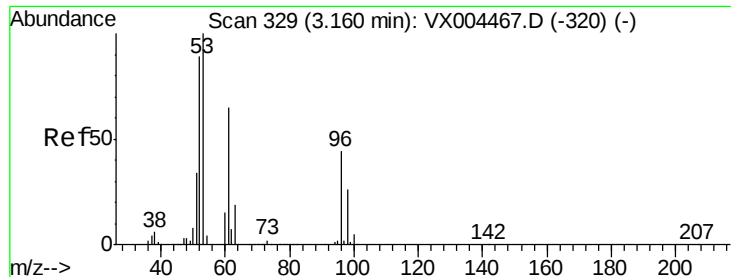
MMDadoda
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#20
Methylene Chloride
Concen: 44.96 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX004599.D
Acq: 15 Sep 2018 22:13

Tgt Ion	Ratio	Lower	Upper
84	100		
49	129.2	101.2	151.8
51	41.1	29.5	44.3
86	73.3	52.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 46.81 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX004599.D

Acq: 15 Sep 2018 22:13

Instrument :

MSVOA_X

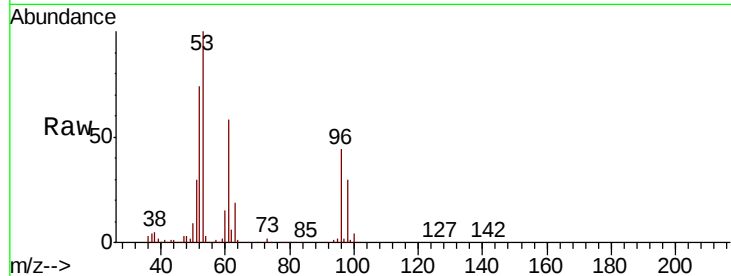
ClientSampled :

VSTDCCC050

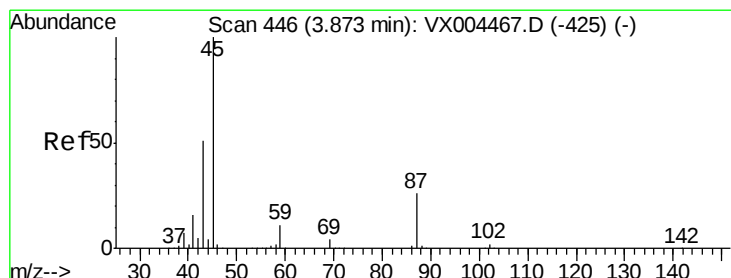
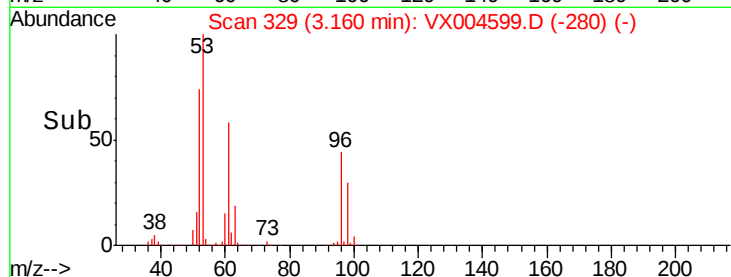
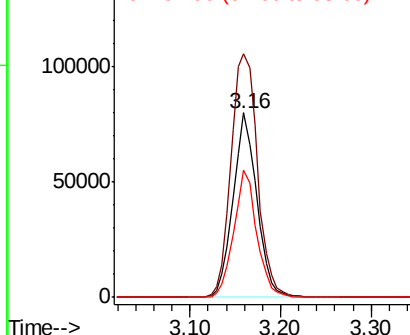
Tot Ion:	96	Resp:	145264
Ion	Ratio	Lower	Upper
96	100		
61	132.0	113.8	170.6
98	68.8	51.8	77.8

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: 48.68 ug/l

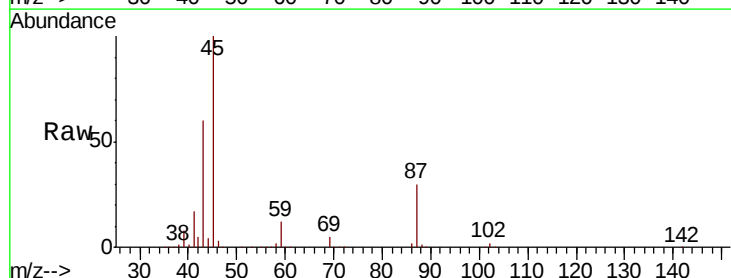
RT: 3.87 min Scan# 445

Delta R.T. -0.01 min

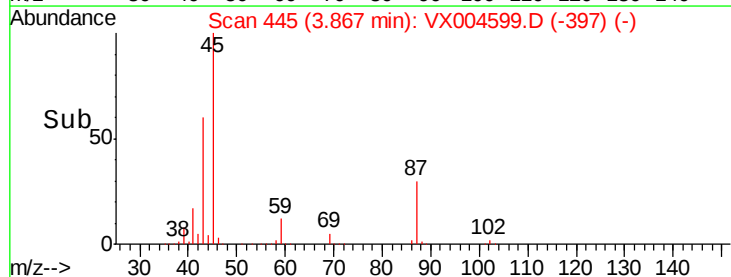
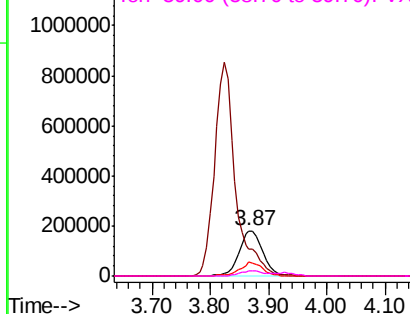
Lab File: VX004599.D

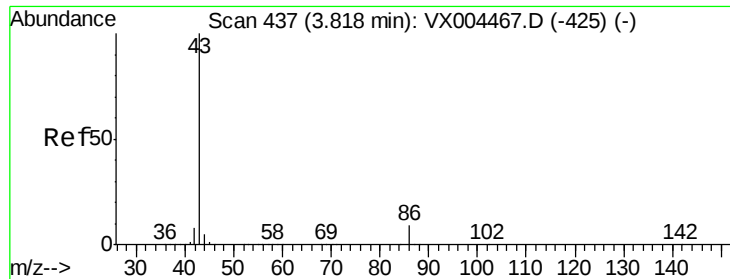
Acq: 15 Sep 2018 22:13

Tgt Ion:	45	Resp:	506279
Ion	Ratio	Lower	Upper
45	100		
43	59.6	42.8	64.2
87	30.1	22.6	34.0
59	11.6	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: 251.96 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX004599.D

Acq: 15 Sep 2018 22:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2120449

Ion Ratio Lower Upper

43 100

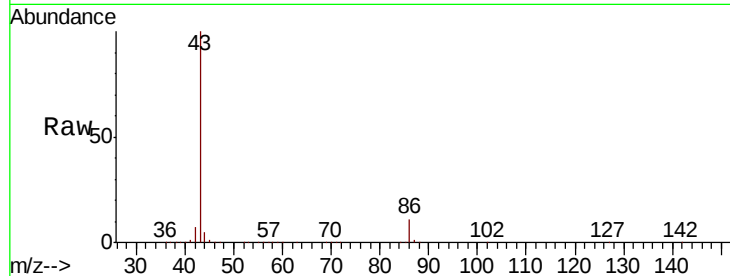
86 10.8 8.9 13.3

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

800000

600000

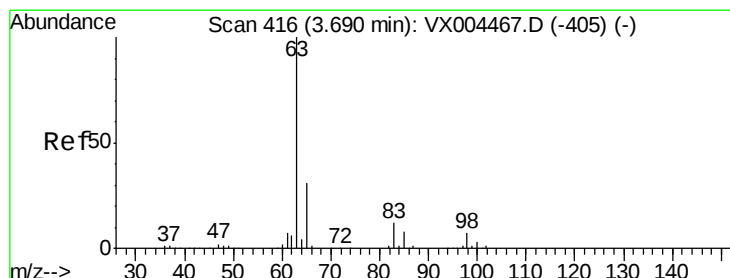
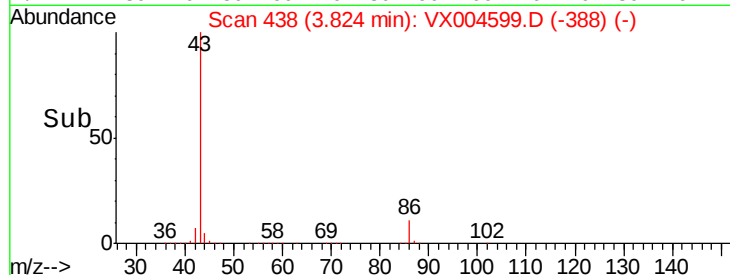
400000

200000

0

3.70 3.80 3.90 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 47.13 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX004599.D

Acq: 15 Sep 2018 22:13

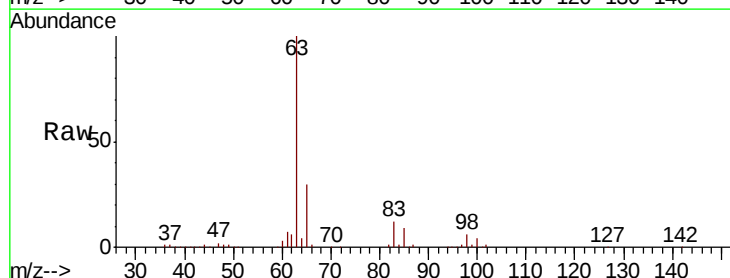
Tgt Ion: 63 Resp: 276717

Ion Ratio Lower Upper

63 100

98 6.3 3.5 10.4

100 4.0 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

150000

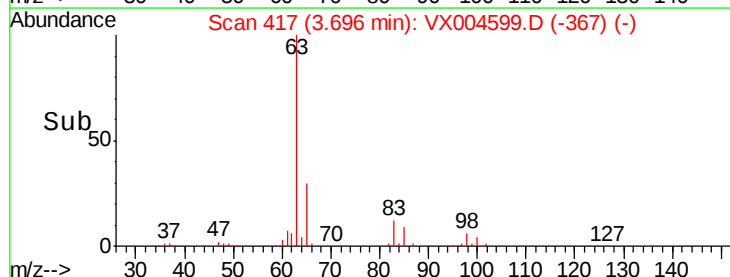
100000

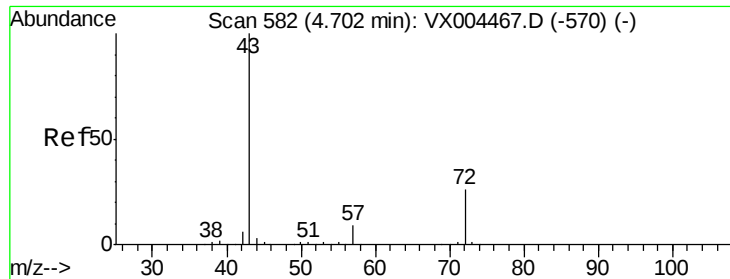
50000

0

3.60 3.70 3.80 3.90

Time-->





#25

2-Butanone

Concen: 226.24 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX004599.D

Acq: 15 Sep 2018 22:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 609073

Ion Ratio Lower Upper

43 100

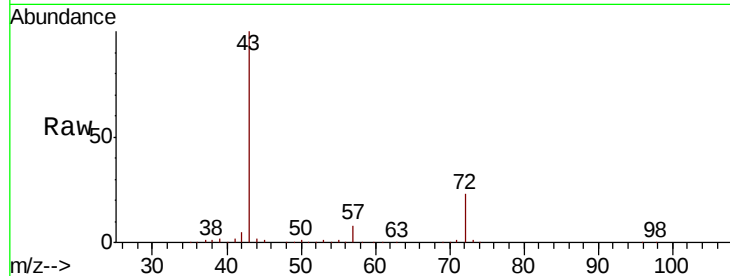
72 22.8 22.0 33.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

250000

200000

150000

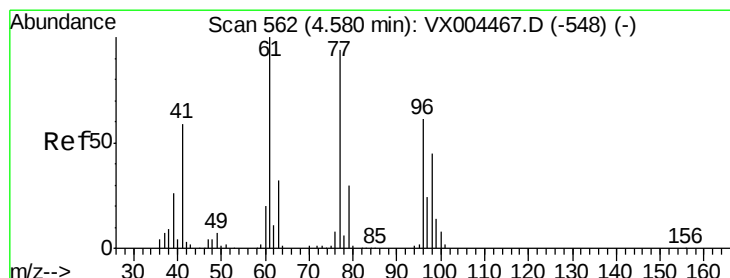
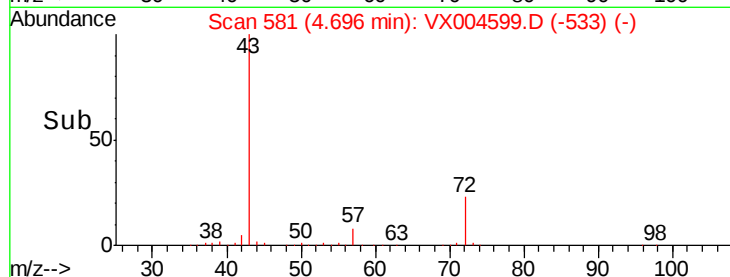
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 43.62 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX004599.D

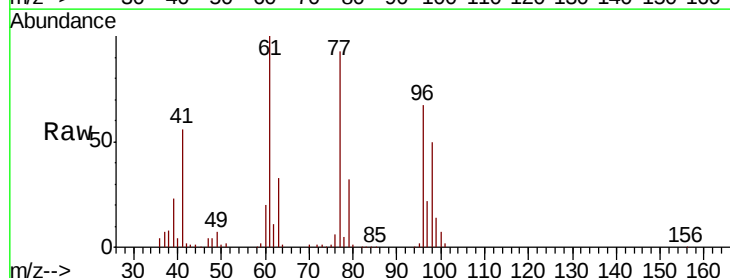
Acq: 15 Sep 2018 22:13

Tgt Ion: 77 Resp: 175916

Ion Ratio Lower Upper

77 100

97 25.1 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

60000

50000

40000

30000

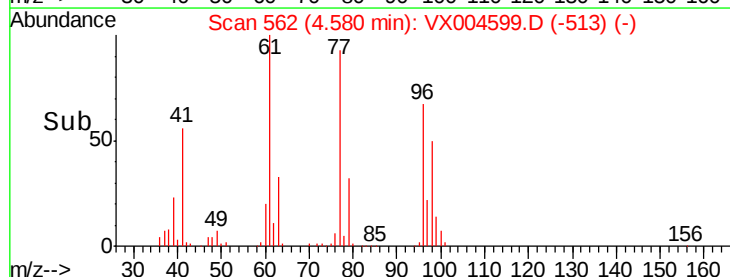
20000

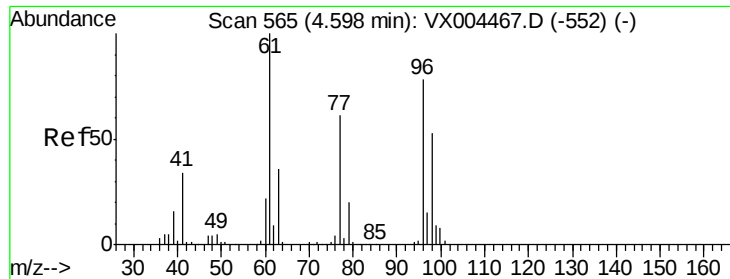
10000

0

4.40 4.50 4.60 4.70

Time-->





#27

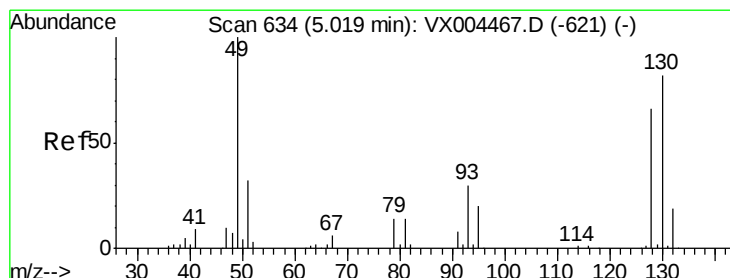
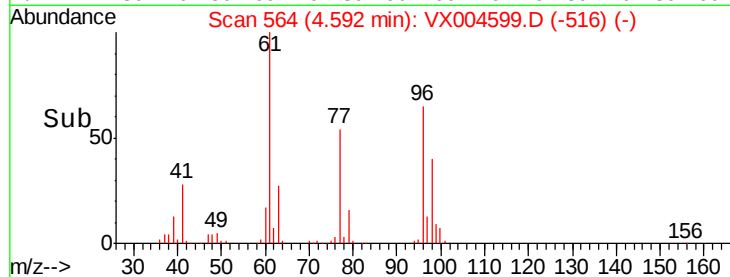
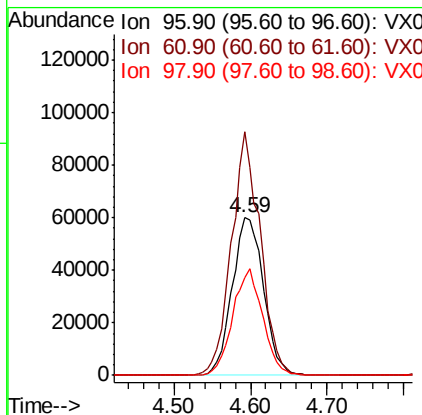
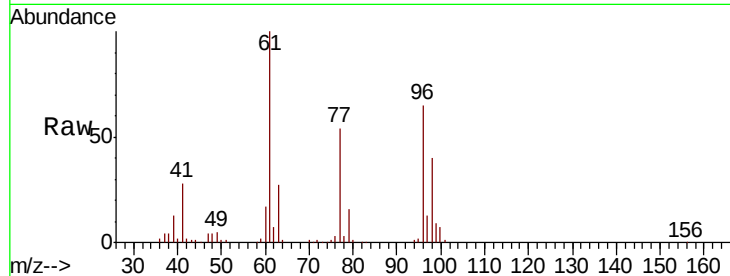
cis-1,2-Dichloroethene
 Concen: 49.06 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VX004599.D
 Acq: 15 Sep 2018 22:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.4	0.0	282.6
98	64.9	0.0	130.2

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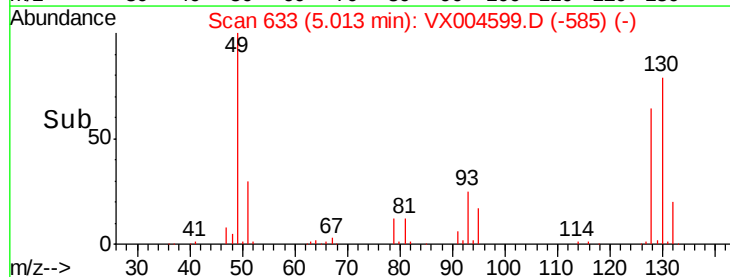
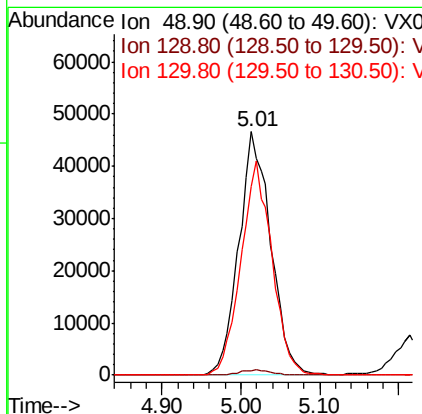
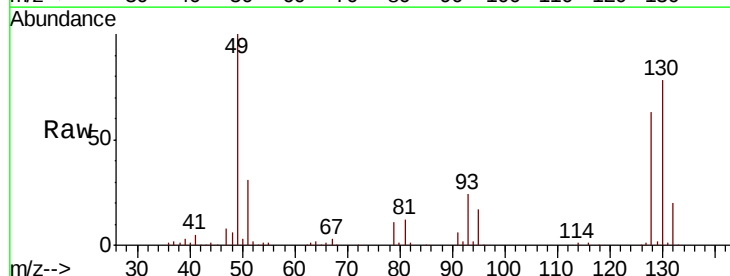
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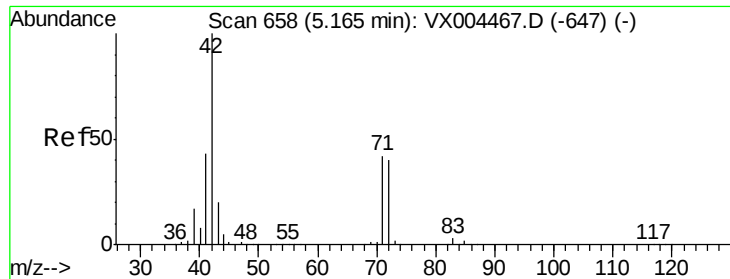


#28

Bromochloromethane
 Concen: 49.05 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. -0.01 min
 Lab File: VX004599.D
 Acq: 15 Sep 2018 22:13

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	85.1	67.5	101.3





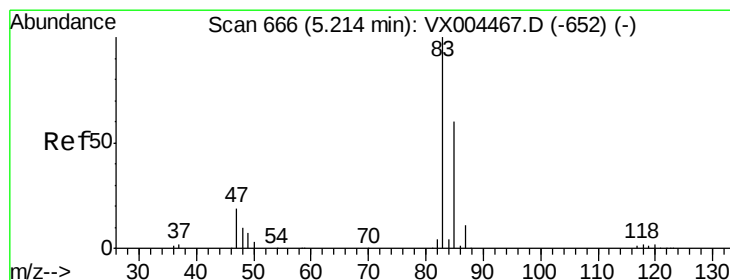
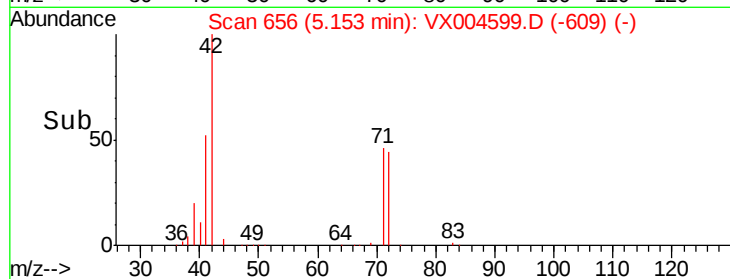
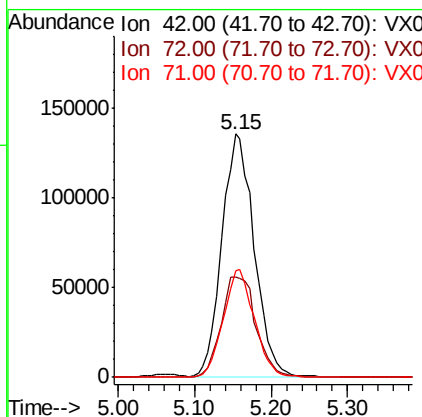
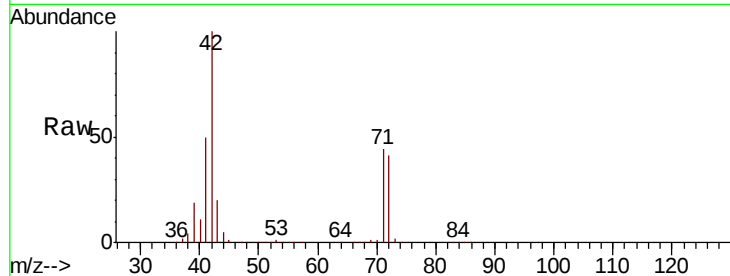
#29
Tetrahydrofuran
Concen: 243.94 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.01 min
Lab File: VX004599.D
Acq: 15 Sep 2018 22:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.7	37.4	56.0
71	42.7	34.5	51.7

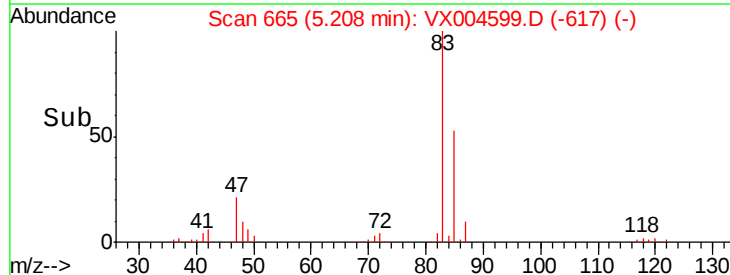
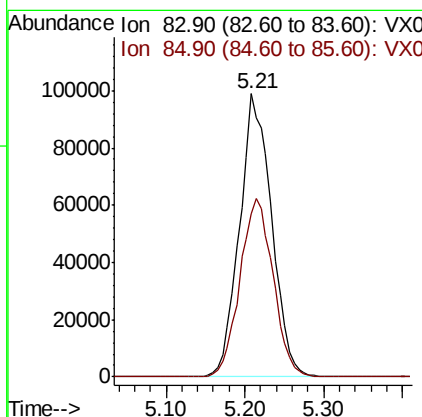
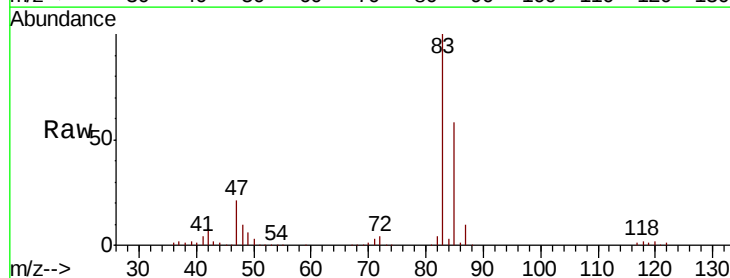
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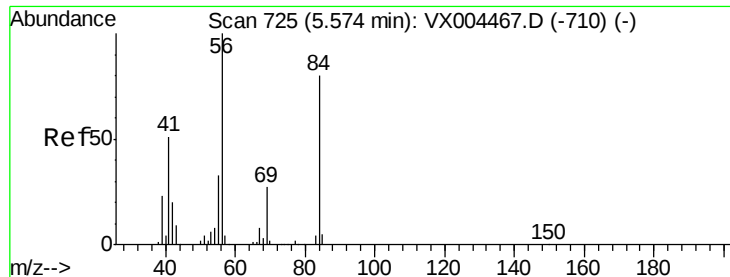
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#30
Chloroform
Concen: 48.75 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX004599.D
Acq: 15 Sep 2018 22:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	57.8	52.6	79.0





#31

Cyclohexane

Concen: 50.82 ug/l

RT: 5.57 min Scan# 724

Delta R.T. -0.01 min

Lab File: VX004599.D

Acq: 15 Sep 2018 22:13

Instrument :

MSVOA_X

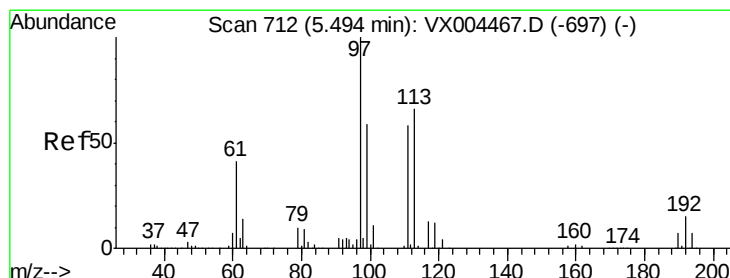
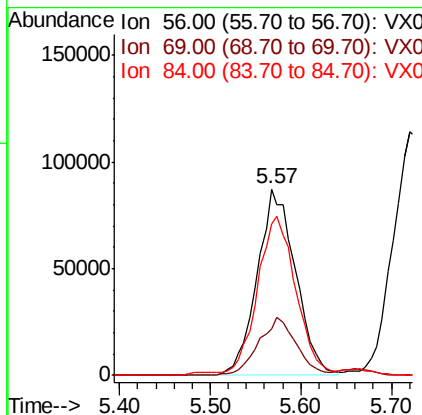
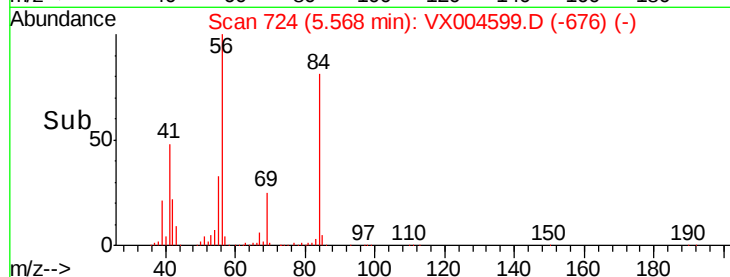
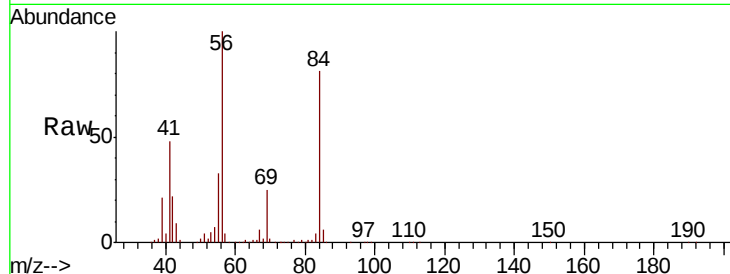
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	254787
Ion Ratio	Lower	Upper	
56	100		
69	25.2	25.4	38.2#
84	80.3	71.4	107.2

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#32

1,1,1-Trichloroethane

Concen: 49.52 ug/l

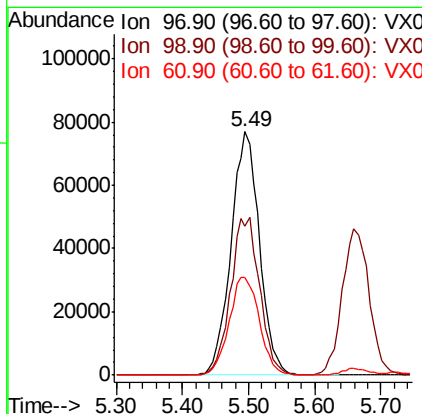
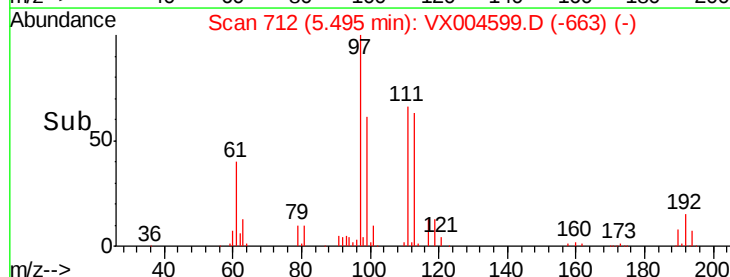
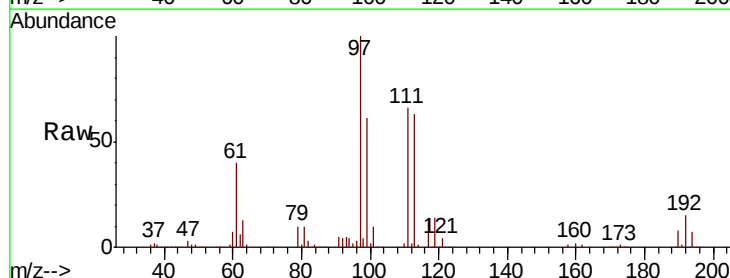
RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX004599.D

Acq: 15 Sep 2018 22:13

Tgt Ion:	97	Resp:	228629
Ion Ratio	Lower	Upper	
97	100		
99	66.3	52.0	78.0
61	42.9	34.9	52.3





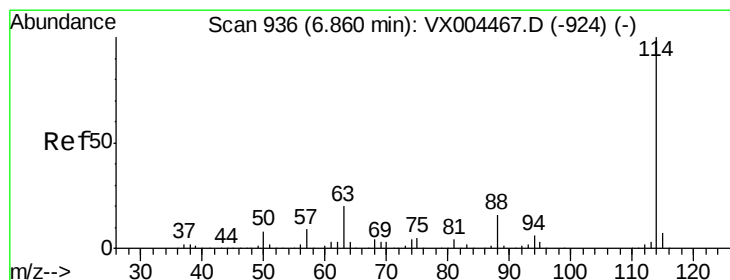
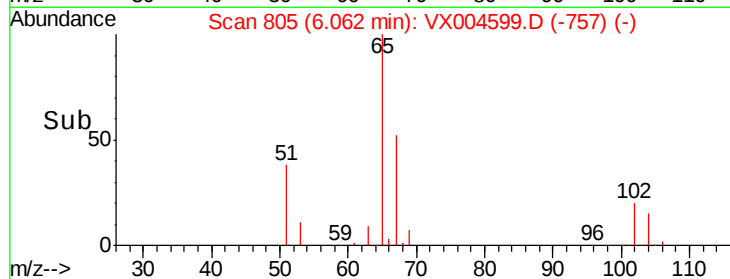
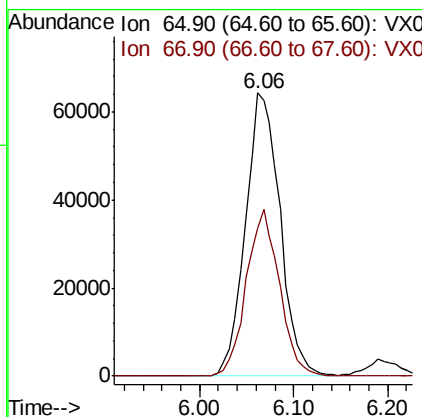
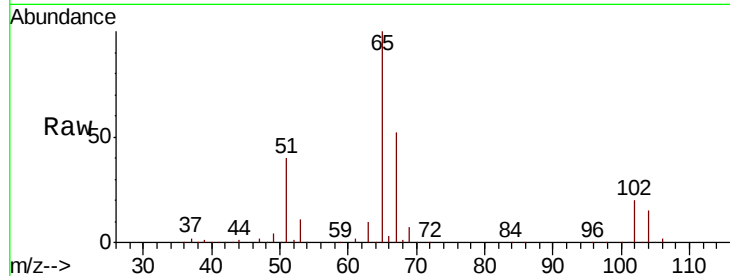
#33
 1,2-Dichloroethane-d4
 Concen: 47.95 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX004599.D
 Acq: 15 Sep 2018 22:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	166187		
67	56.2	0.0	106.8	

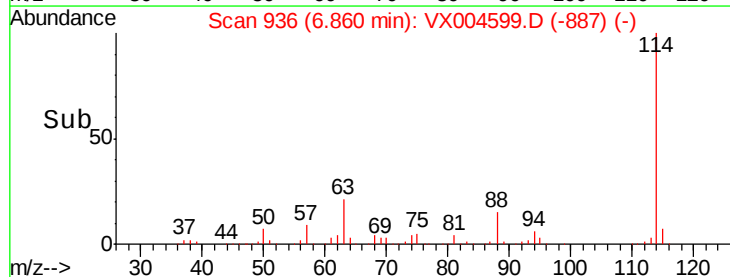
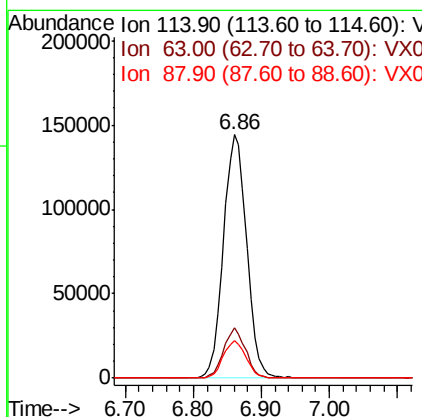
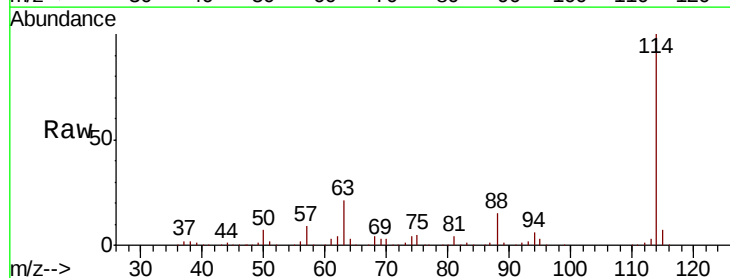
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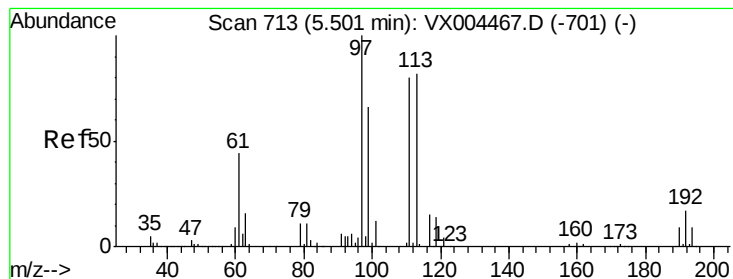
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX004599.D
 Acq: 15 Sep 2018 22:13

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	341315		
63	20.5	0.0	39.0	
88	15.4	0.0	30.4	





#35

Dibromofluoromethane

Concen: 49.18 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX004599.D

Acq: 15 Sep 2018 22:13

Instrument :

MSVOA_X

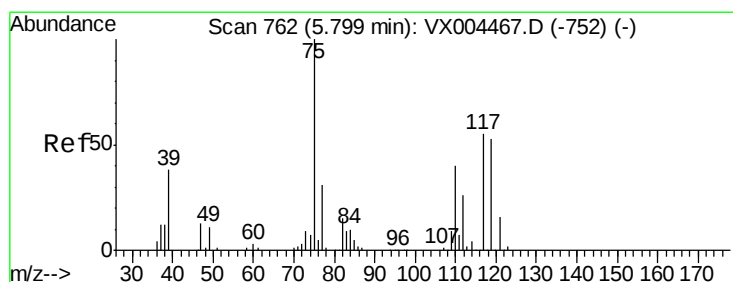
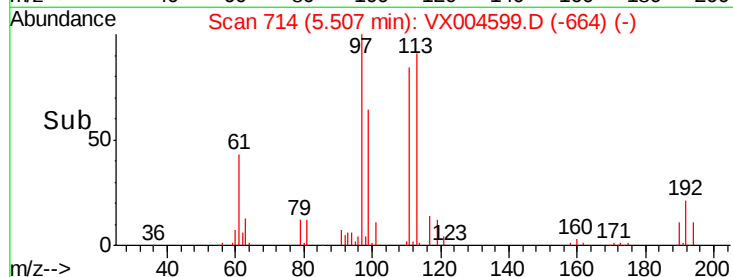
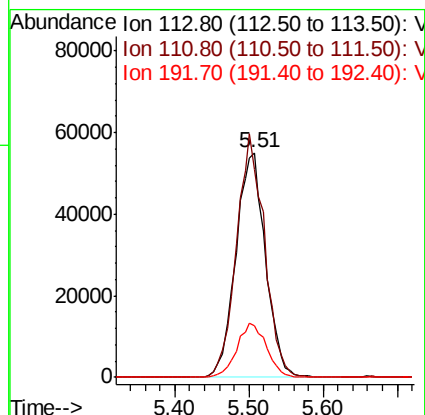
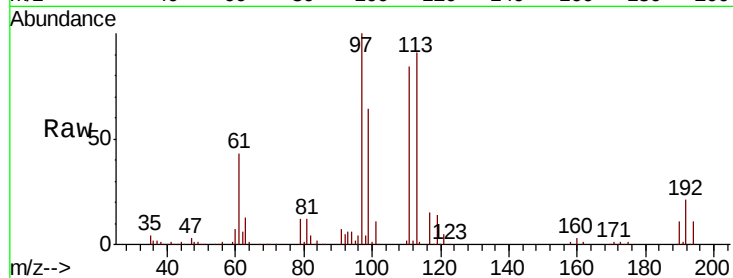
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	153591
Ion Ratio	Lower	Upper	
113	100		
111	102.3	82.4	123.6
192	23.9	19.4	29.2

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#36

1,1-Dichloropropene

Concen: 50.86 ug/l

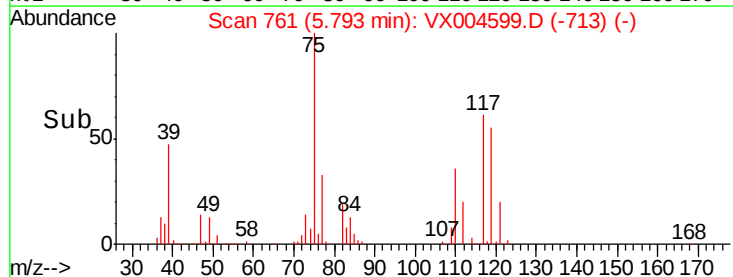
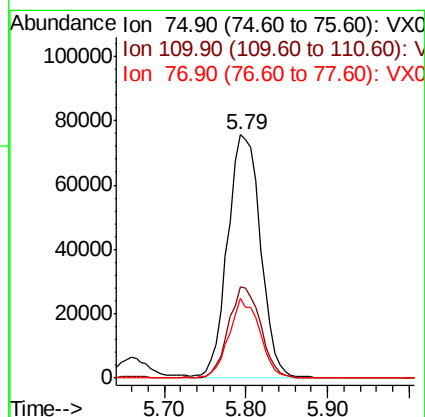
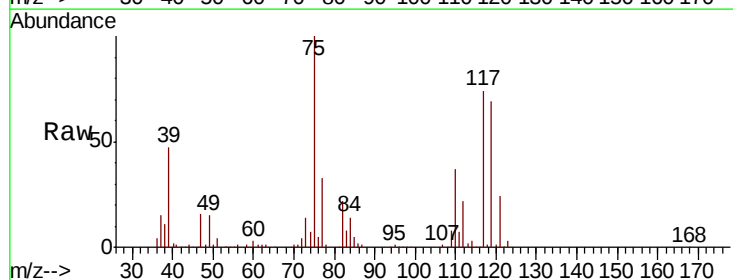
RT: 5.79 min Scan# 761

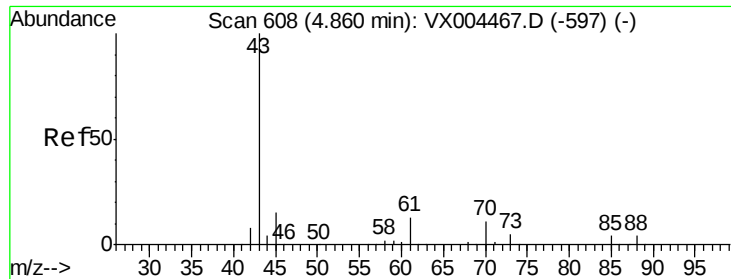
Delta R.T. -0.01 min

Lab File: VX004599.D

Acq: 15 Sep 2018 22:13

Tgt Ion:	75	Resp:	210734
Ion Ratio	Lower	Upper	
75	100		
110	36.6	18.0	54.0
77	30.4	24.6	36.8





#37

Ethyl Acetate

Concen: 48.70 ug/l

RT: 4.85 min Scan# 607

Delta R.T. -0.01 min

Lab File: VX004599.D

Acq: 15 Sep 2018 22:13

Instrument :

MSVOA_X

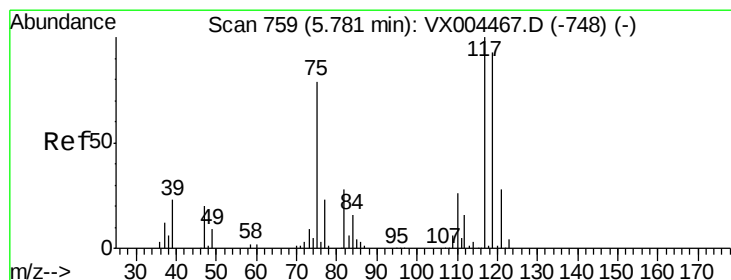
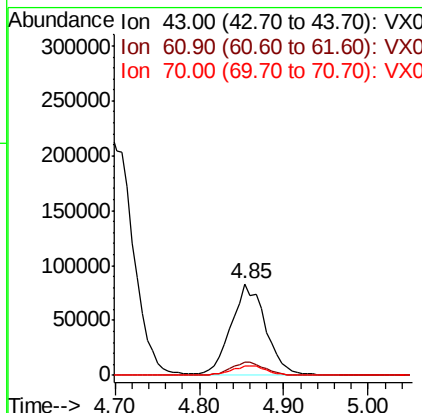
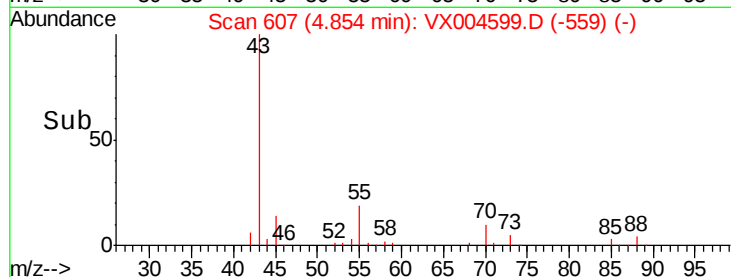
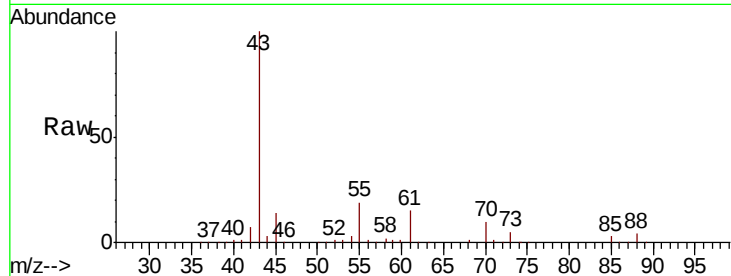
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	229516
Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.5	17.3
70	10.9	9.0	13.6

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#38

Carbon Tetrachloride

Concen: 50.24 ug/l

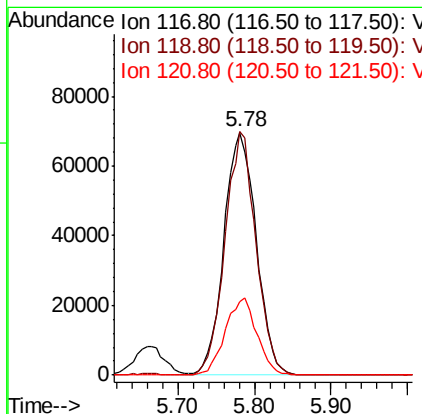
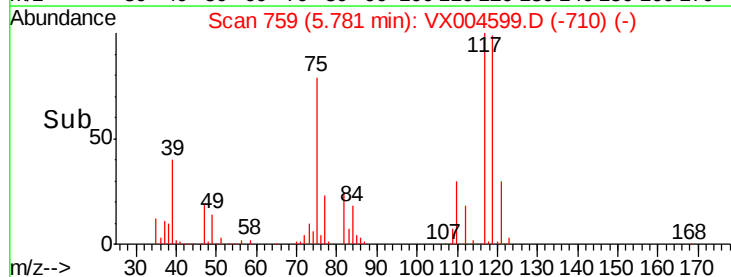
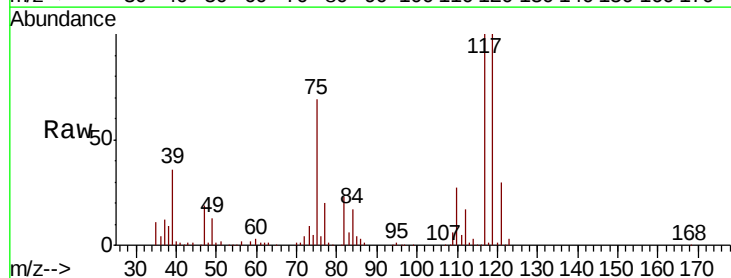
RT: 5.78 min Scan# 759

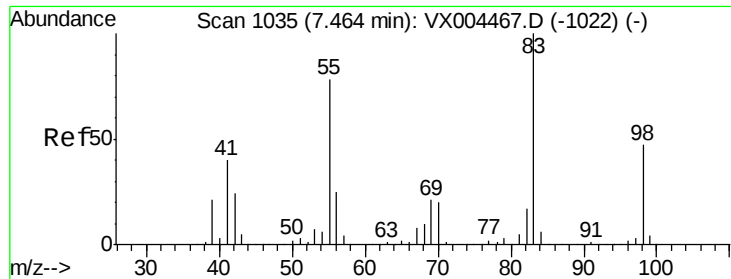
Delta R.T. 0.00 min

Lab File: VX004599.D

Acq: 15 Sep 2018 22:13

Tgt Ion:	117	Resp:	203317
Ion	Ratio	Lower	Upper
117	100		
119	100.3	78.8	118.2
121	30.2	24.9	37.3





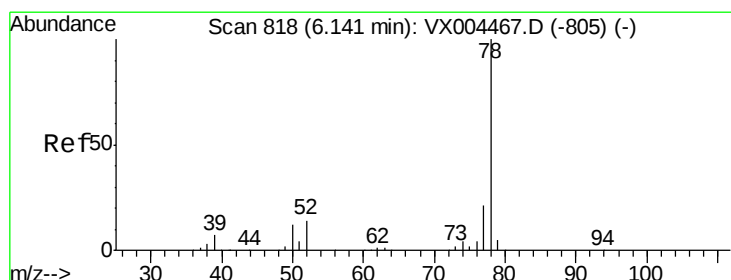
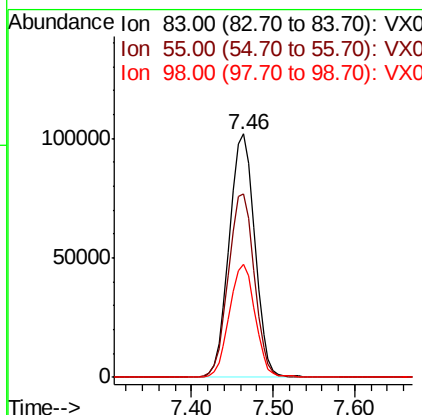
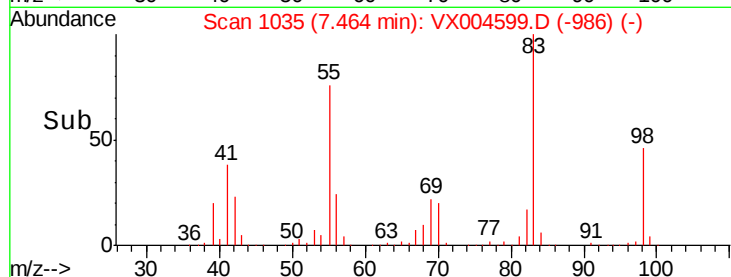
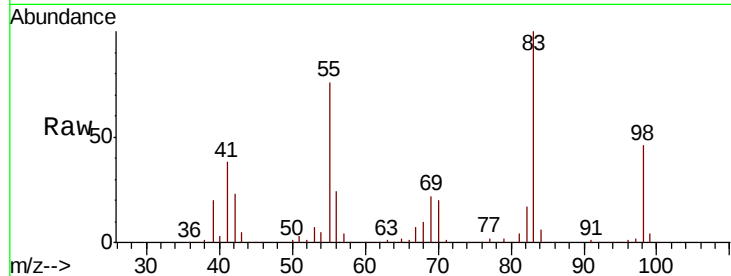
#39
Methvlcvclohexane
Concen: 51.05 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX004599.D
Acq: 15 Sep 2018 22:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	75.6	61.0	91.4	
98	46.5	39.6	59.4	

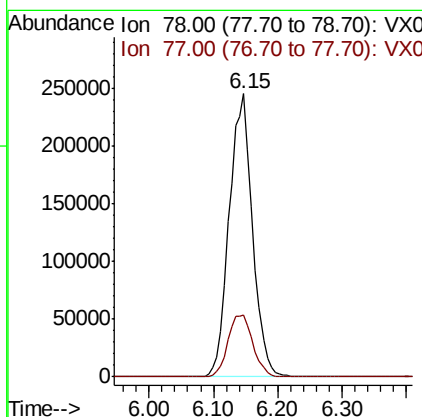
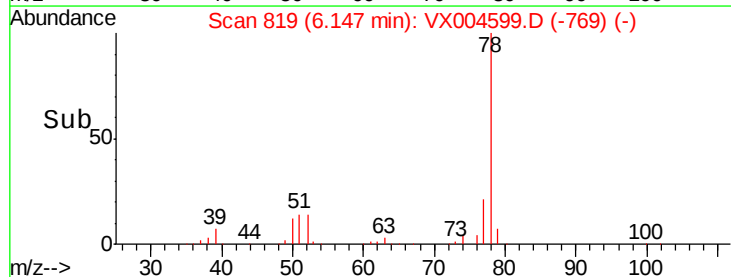
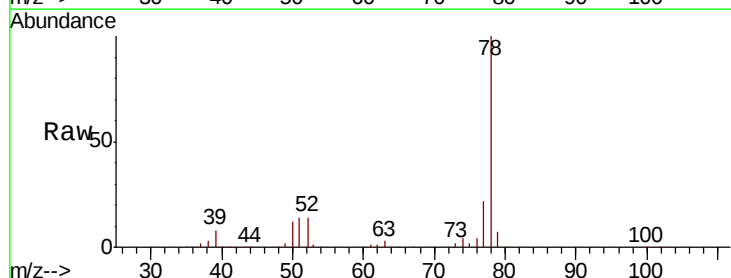
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#40
Benzene
Concen: 50.75 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX004599.D
Acq: 15 Sep 2018 22:13

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	21.8	19.0	28.4	





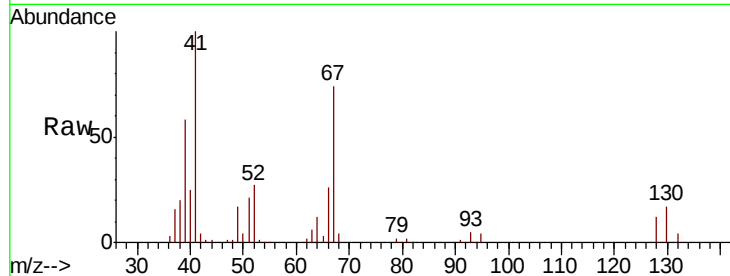
#41
Methacrylonitrile
Concen: 48.55 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.01 min
Lab File: VX004599.D
Acq: 15 Sep 2018 22:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.0	42.4	63.6	
67	75.4	59.2	88.8	
52	27.7	23.0	34.4	

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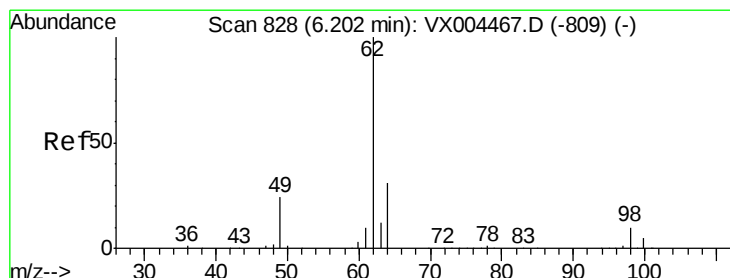
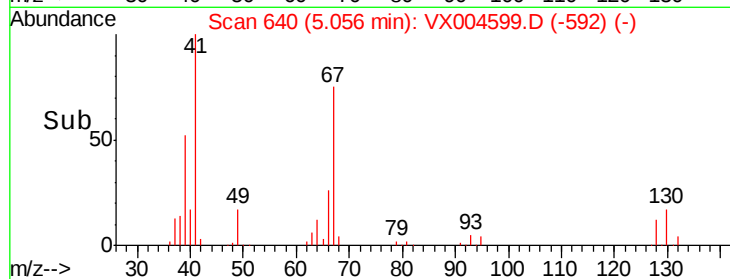
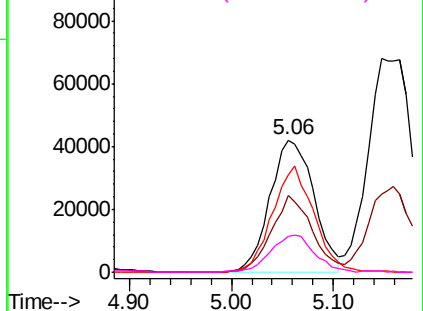
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

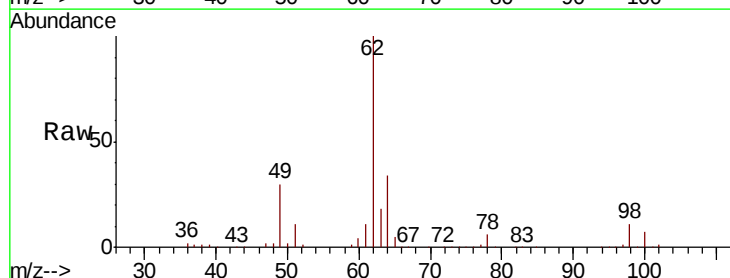
Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42
1,2-Dichloroethane
Concen: 46.79 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.01 min
Lab File: VX004599.D
Acq: 15 Sep 2018 22:13

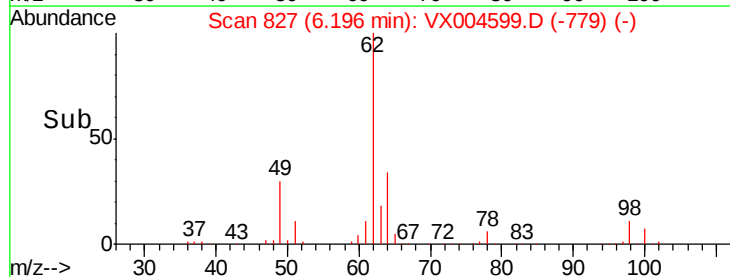
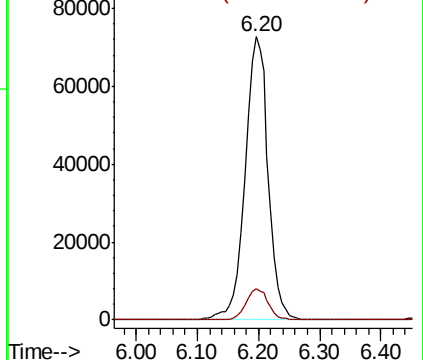
Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.6	0.0	20.6	

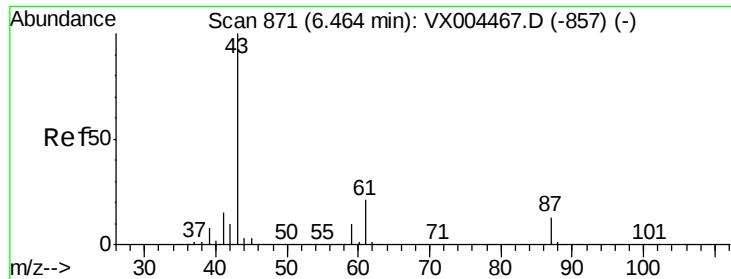


Abundance

Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

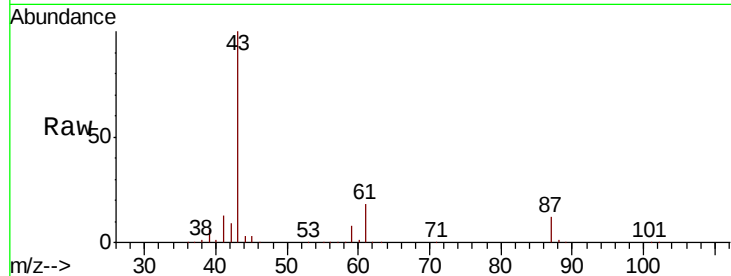
Isopropyl Acetate
 Concen: 50.72 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. -0.01 min
 Lab File: VX004599.D
 Acq: 15 Sep 2018 22:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

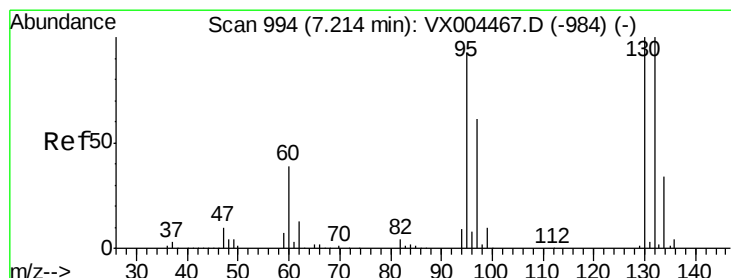
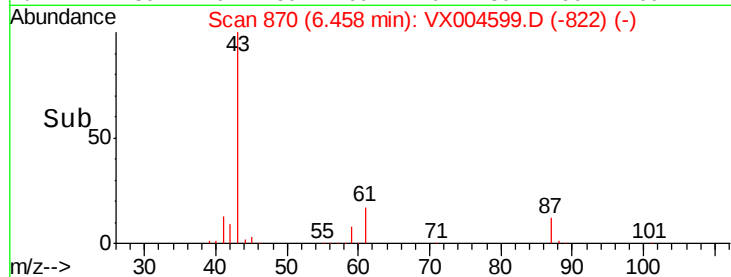
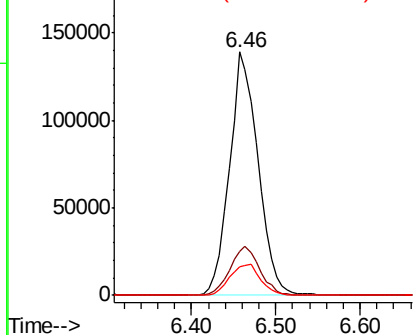
Tot Ion	Ratio	Lower	Upper
43	100		
61	21.1	17.0	25.4
87	13.7	11.4	17.2

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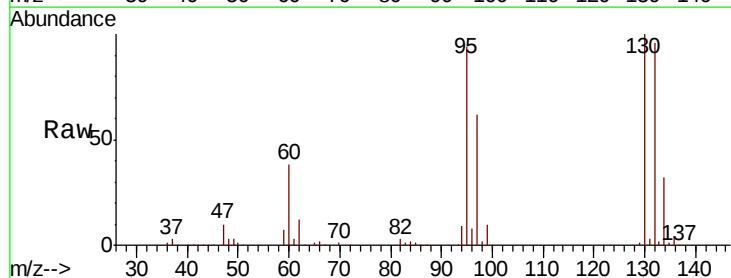
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



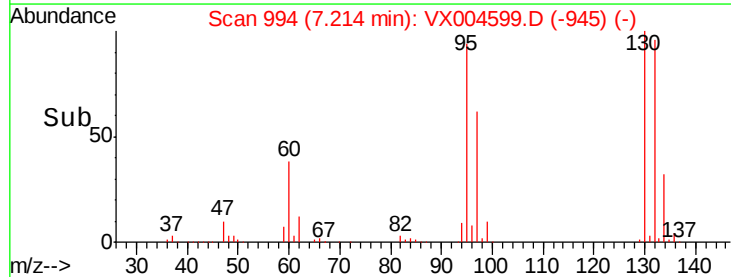
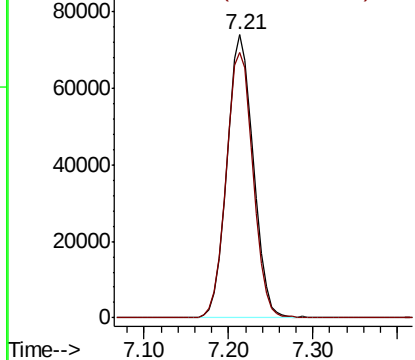
#44

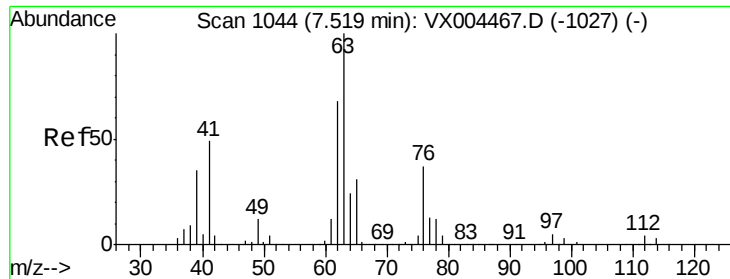
Trichloroethene
 Concen: 48.77 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX004599.D
 Acq: 15 Sep 2018 22:13

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.7	0.0	181.6



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 50.14 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VX004599.D

Acq: 15 Sep 2018 22:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 148343

Ion Ratio Lower Upper

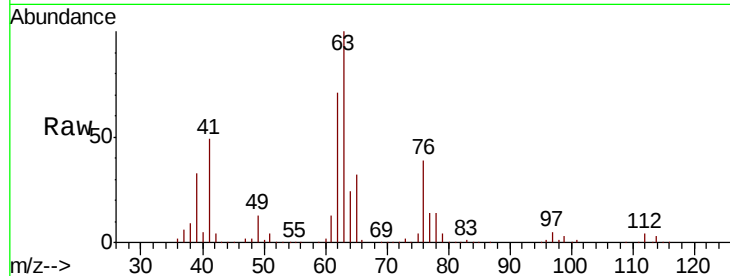
63 100

65 31.8 24.3 36.5

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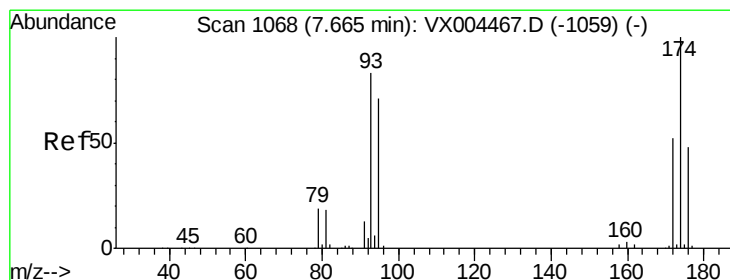
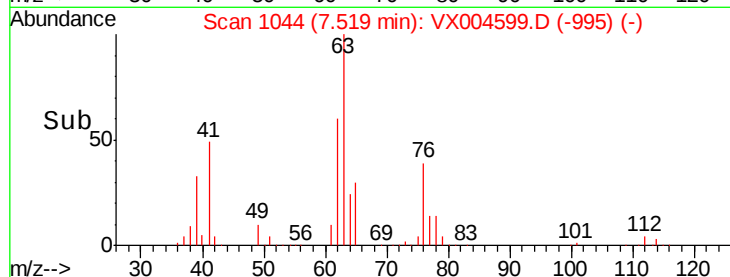
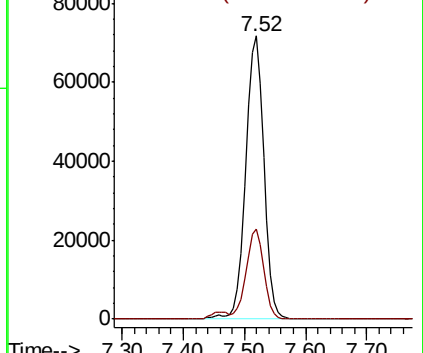
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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 49.55 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VX004599.D

Acq: 15 Sep 2018 22:13

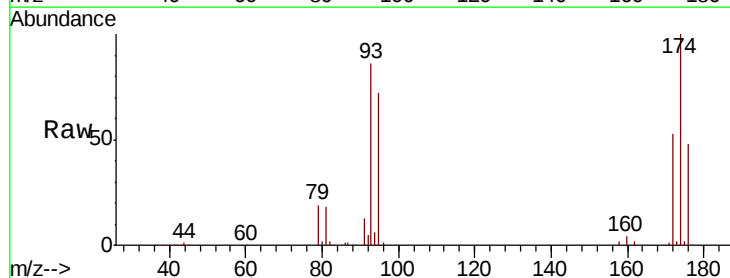
Tgt Ion: 93 Resp: 92613

Ion Ratio Lower Upper

93 100

95 83.4 65.5 98.3

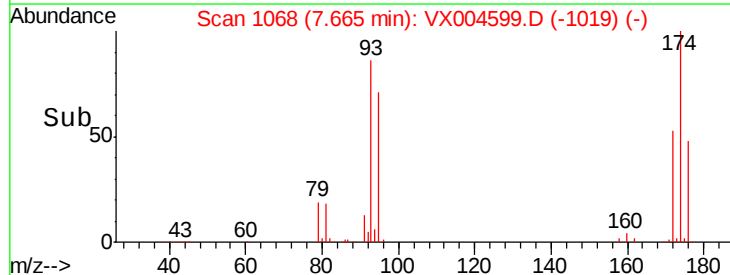
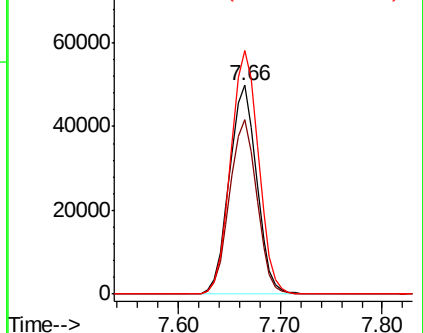
174 118.2 94.2 141.4



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: 50.06 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VX004599.D

Acq: 15 Sep 2018 22:13

Instrument :

MSVOA_X

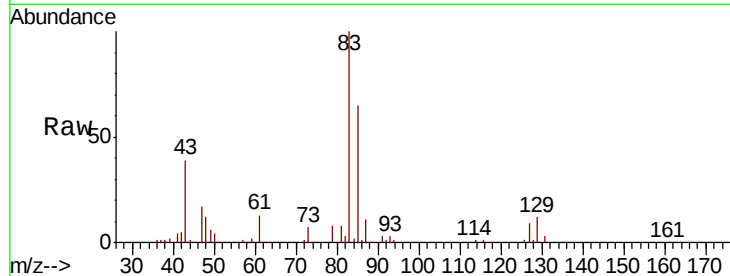
ClientSampleId :

VSTDCCC050

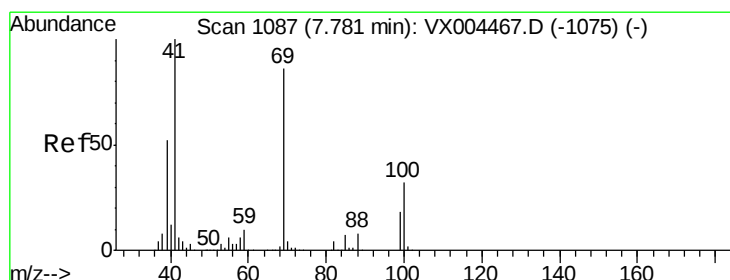
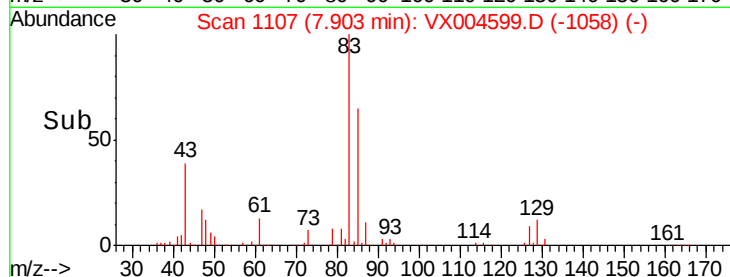
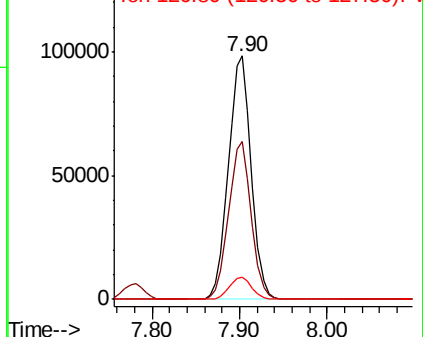
Tot Ion:	83	Resp:	176951
Ion Ratio	Lower	Upper	
83	100		
85	64.8	50.9	76.3
127	9.2	7.3	10.9

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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: 51.20 ug/l

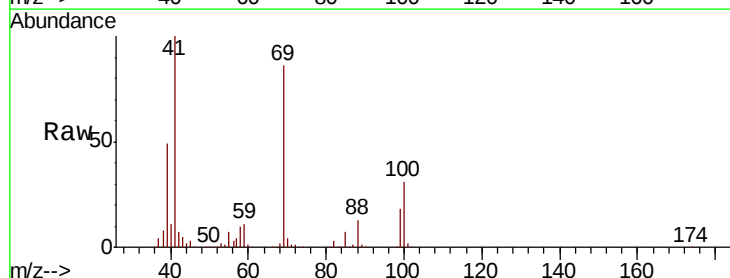
RT: 7.77 min Scan# 1086

Delta R.T. -0.01 min

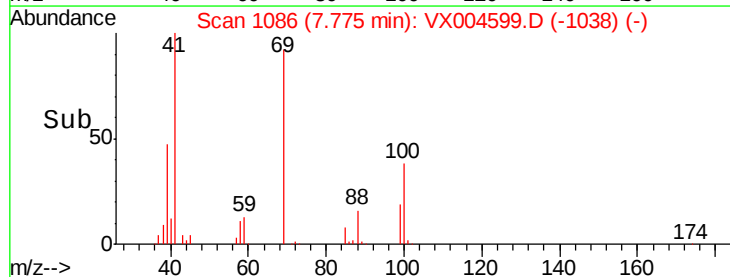
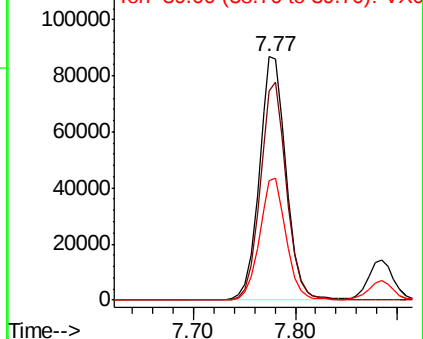
Lab File: VX004599.D

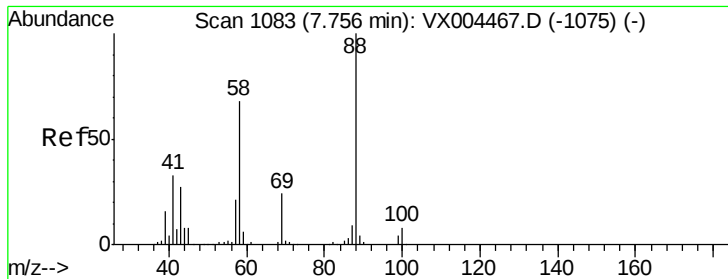
Acq: 15 Sep 2018 22:13

Tgt Ion:	41	Resp:	158621
Ion Ratio	Lower	Upper	
41	100		
69	87.4	70.2	105.4
39	49.4	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: 1011.52 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. 0.00 min

Lab File: VX004599.D

Acq: 15 Sep 2018 22:13

Instrument :

MSVOA_X

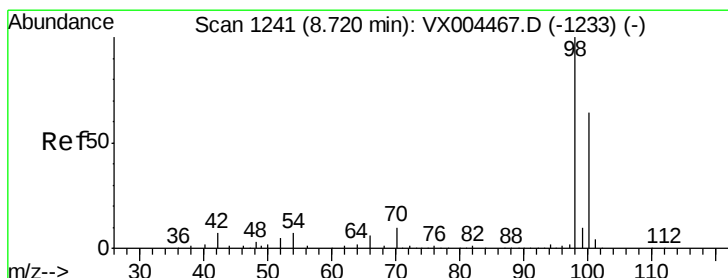
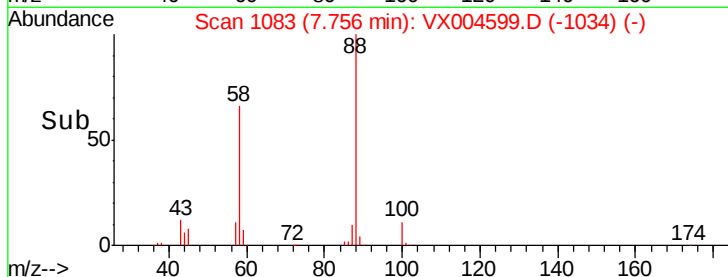
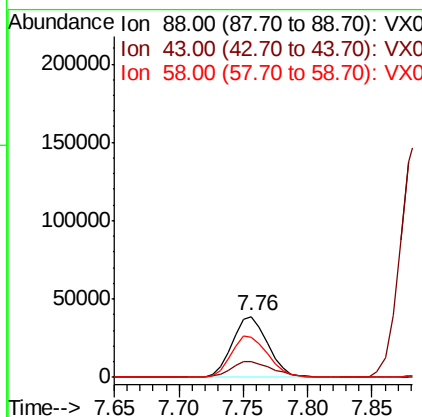
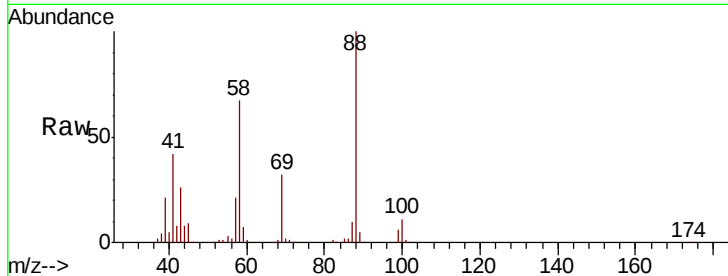
ClientSampleId :

VSTDCCC050

Tot Ion:	88	Resp:	74165
Ion	Ratio	Lower	Upper
88	100		
43	30.1	24.7	37.1
58	71.0	55.3	82.9

Manual Integrations
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#50

Toluene-d8

Concen: 48.82 ug/l

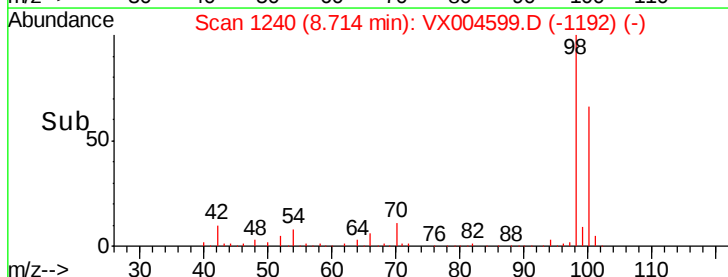
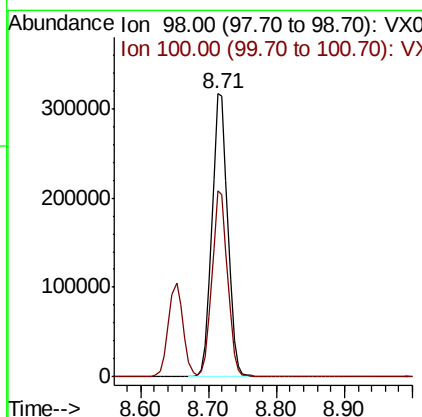
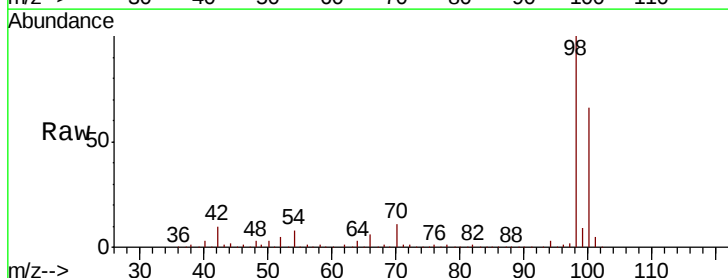
RT: 8.71 min Scan# 1240

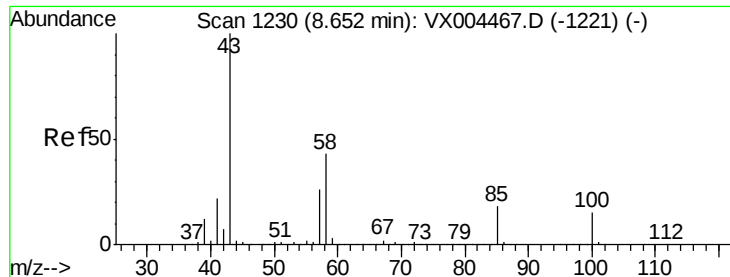
Delta R.T. -0.01 min

Lab File: VX004599.D

Acq: 15 Sep 2018 22:13

Tgt Ion:	98	Resp:	511365
Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.9	79.3





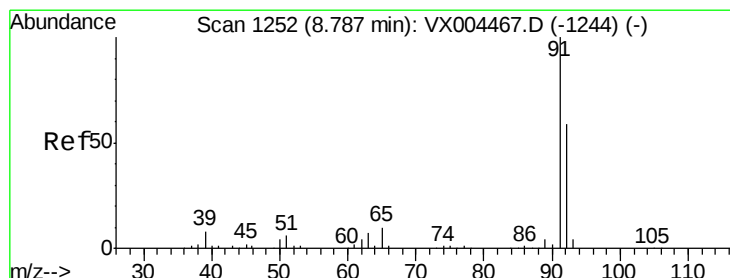
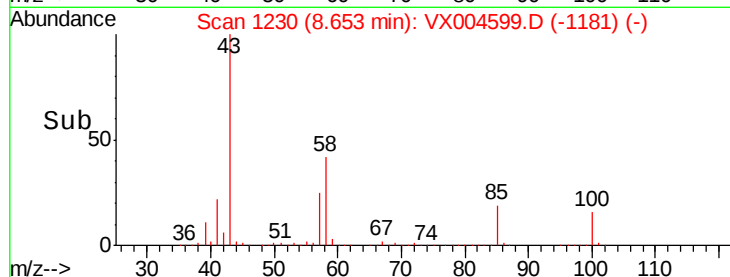
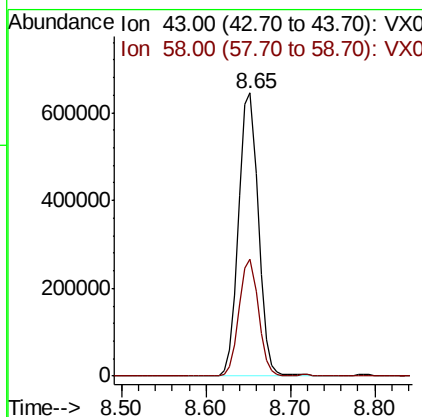
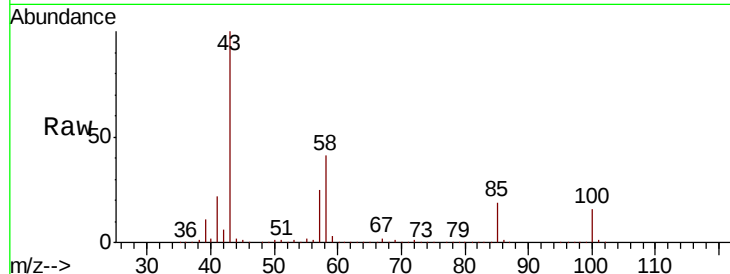
#51
4-Methyl-2-Pentanone
Concen: 229.75 ug/l
RT: 8.65 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VX004599.D
Acq: 15 Sep 2018 22:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1014912
Ion Ratio Lower Upper
43 100
58 40.5 33.1 49.7

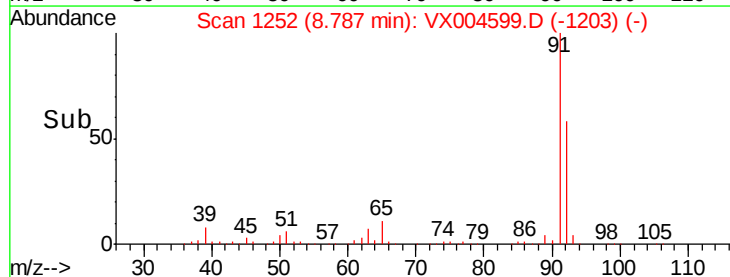
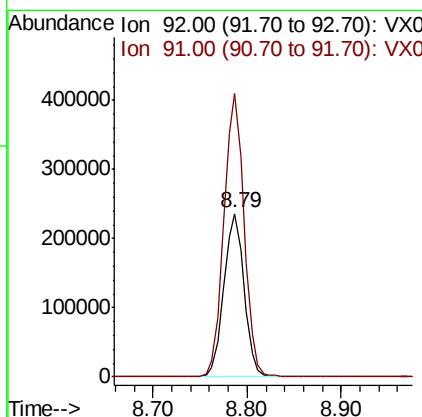
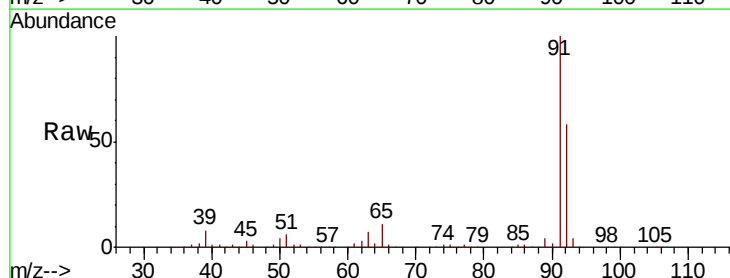
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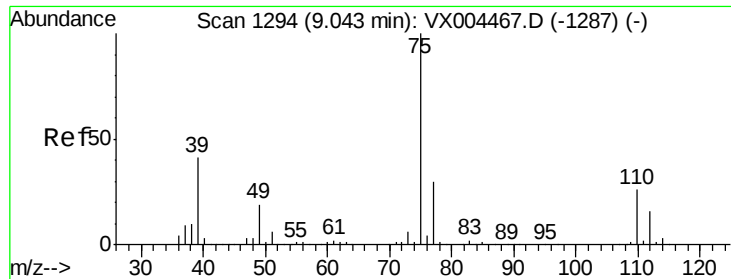
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#52
Toluene
Concen: 48.63 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VX004599.D
Acq: 15 Sep 2018 22:13

Tgt Ion: 92 Resp: 352245
Ion Ratio Lower Upper
92 100
91 173.6 136.4 204.6





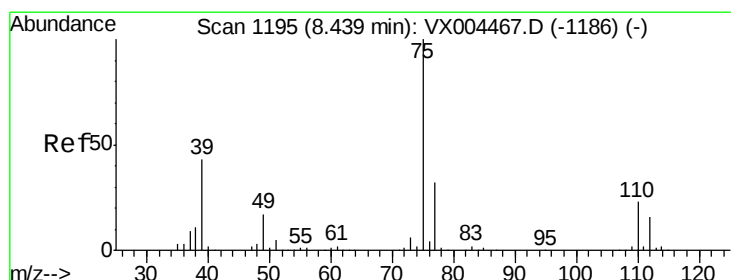
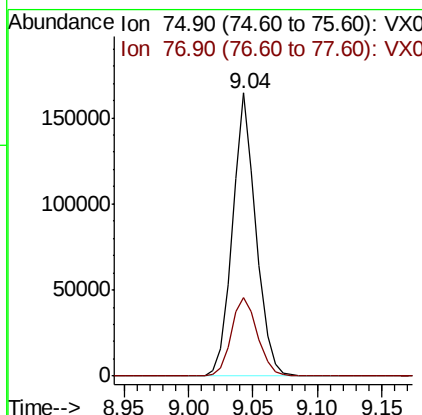
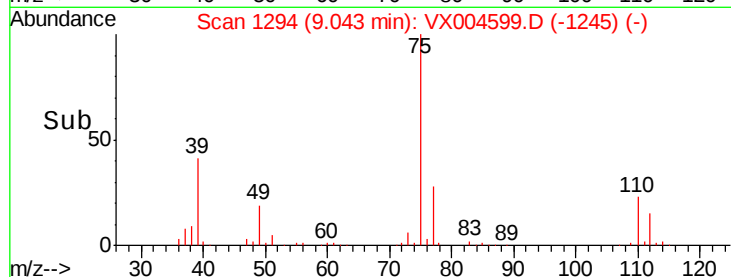
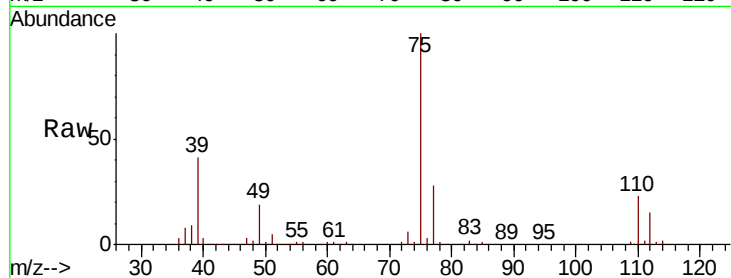
#53
t-1,3-Dichloropropene
Concen: 50.42 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX004599.D
Acq: 15 Sep 2018 22:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 208186
Ion Ratio Lower Upper
75 100
77 27.6 24.6 37.0

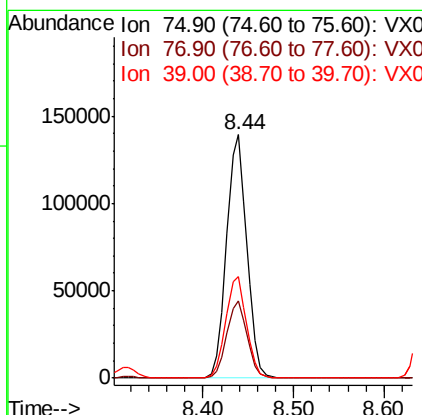
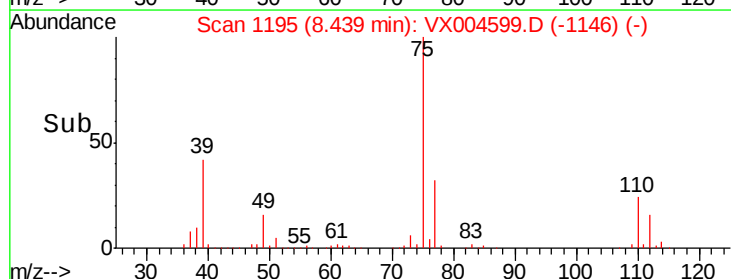
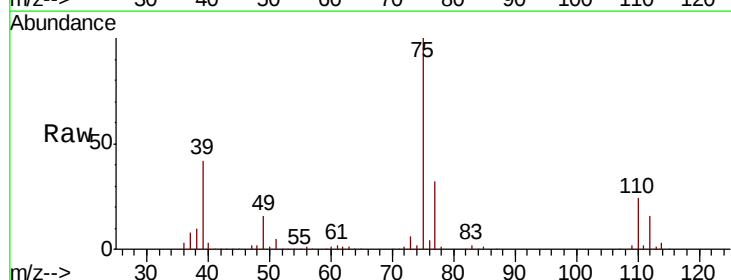
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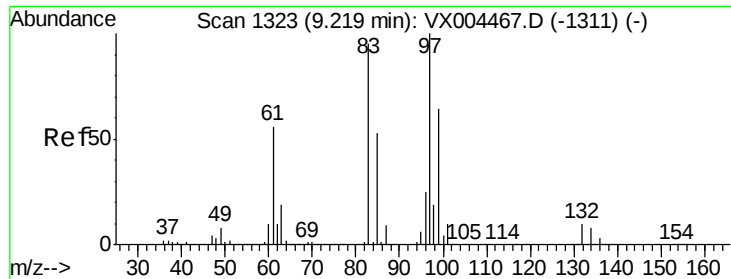
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#54
cis-1,3-Dichloropropene
Concen: 51.46 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. 0.00 min
Lab File: VX004599.D
Acq: 15 Sep 2018 22:13

Tgt Ion: 75 Resp: 216574
Ion Ratio Lower Upper
75 100
77 31.7 26.2 39.2
39 41.5 36.4 54.6





#55

1,1,2-Trichloroethane

Concen: 52.48 ug/l

RT: 9.22 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX004599.D

Acq: 15 Sep 2018 22:13

Instrument :

MSVOA_X

ClientSampleId :

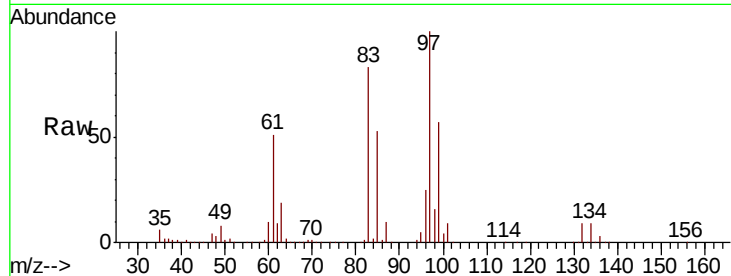
VSTDCCC050

Tot Ion: 97 Resp: 163689

Ion	Ratio	Lower	Upper
97	100		
83	82.6	66.4	99.6
85	52.6	43.3	64.9
99	57.0	49.0	73.4

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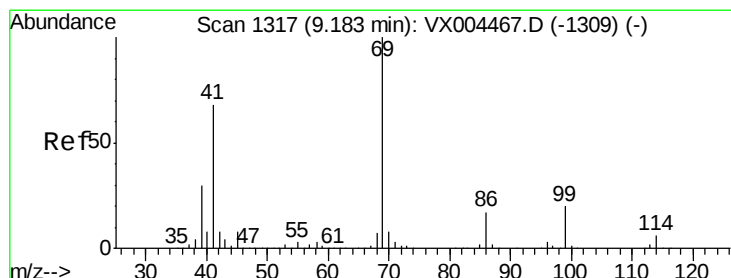
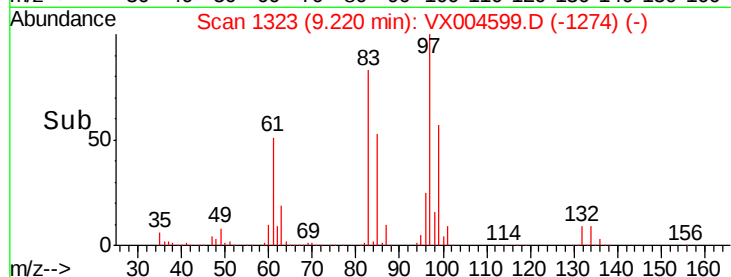
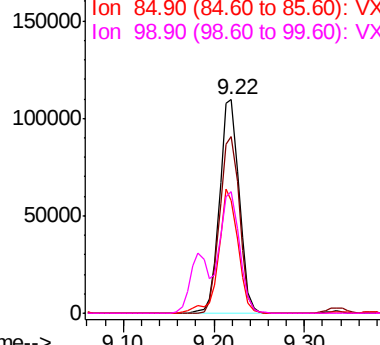
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 56.71 ug/l

RT: 9.18 min Scan# 1317

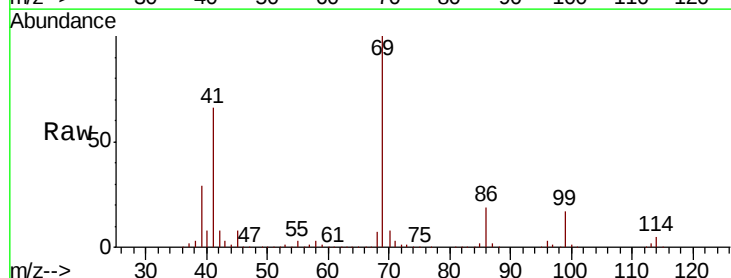
Delta R.T. 0.00 min

Lab File: VX004599.D

Acq: 15 Sep 2018 22:13

Tgt Ion: 69 Resp: 250240

Ion	Ratio	Lower	Upper
69	100		
41	61.1	51.0	76.4
39	28.1	26.1	39.1

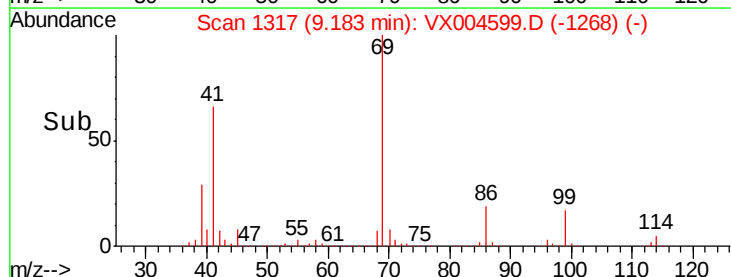
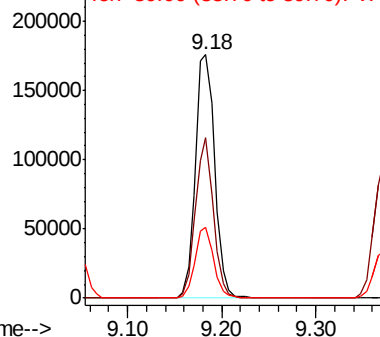


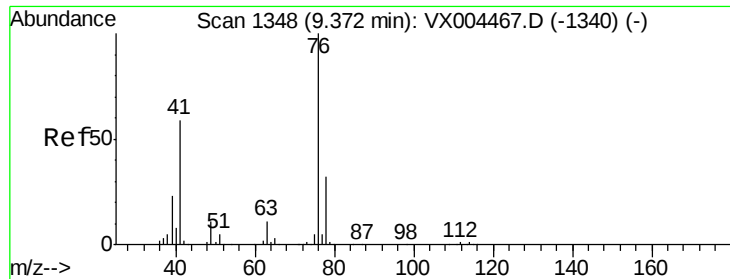
Abundance

Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





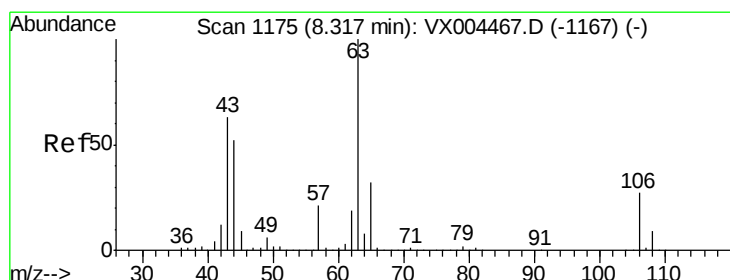
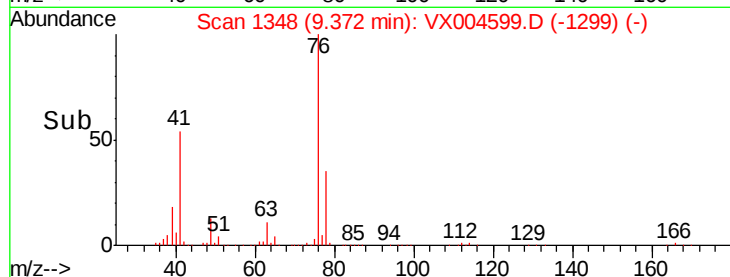
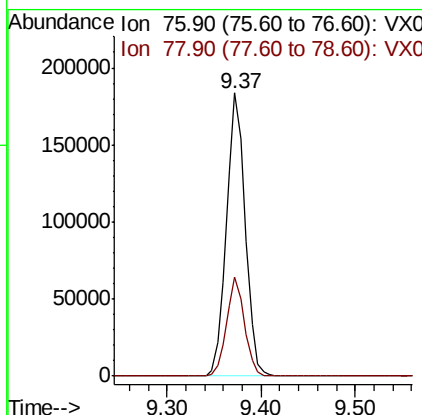
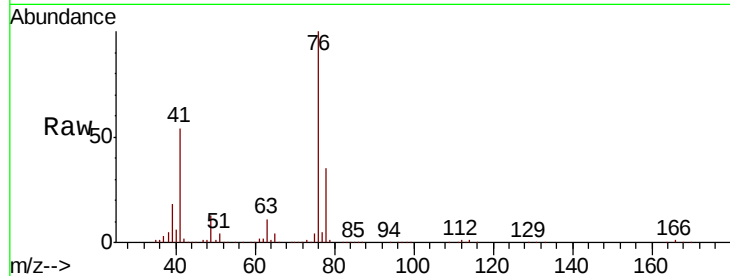
#57
 1,3-Dichloropropane
 Concen: 50.07 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX004599.D
 Acq: 15 Sep 2018 22:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.2	25.5	38.3

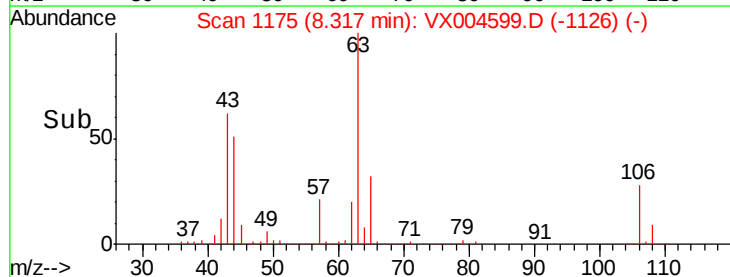
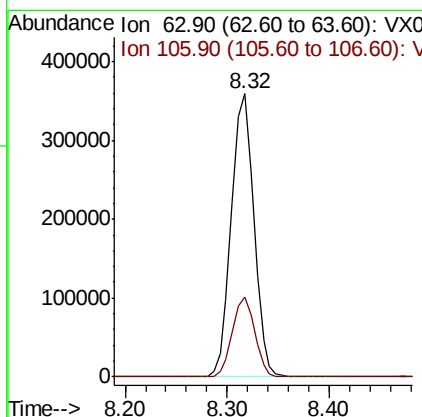
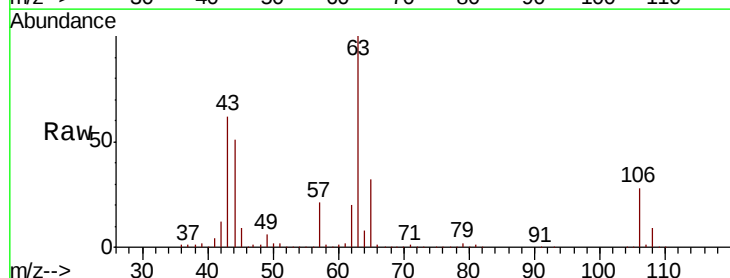
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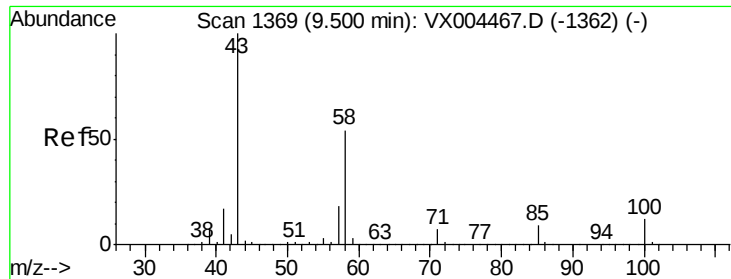
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#58
 2-Chloroethyl Vinyl ether
 Concen: 244.76 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: VX004599.D
 Acq: 15 Sep 2018 22:13

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.8	23.9	35.9





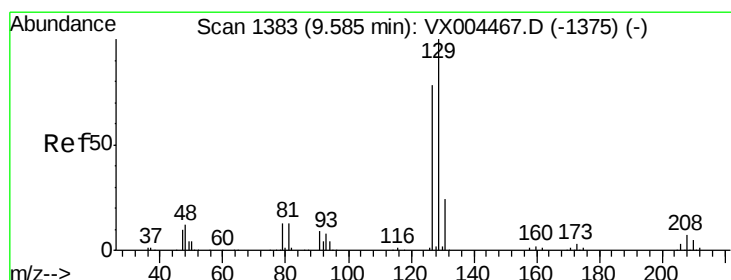
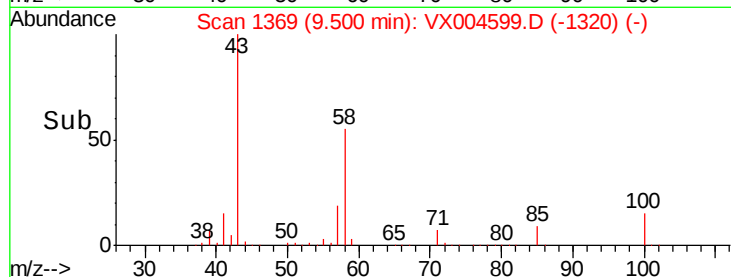
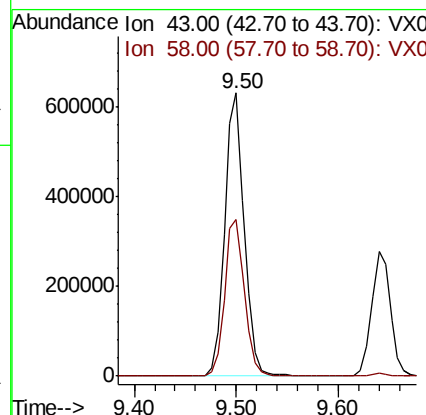
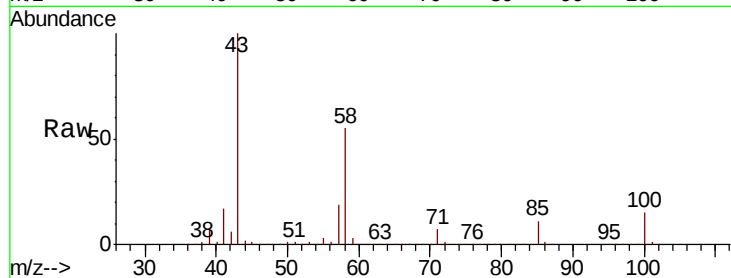
#59
2-Hexanone
Concen: 247.47 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VX004599.D
Acq: 15 Sep 2018 22:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.4	29.0	87.0

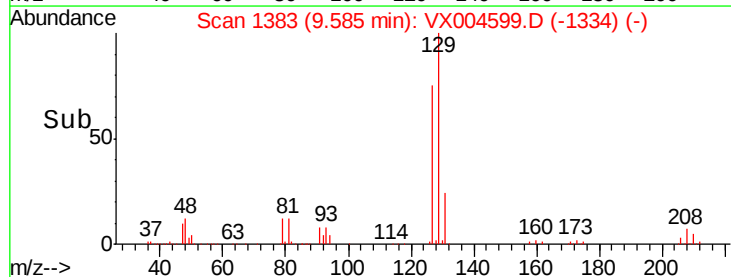
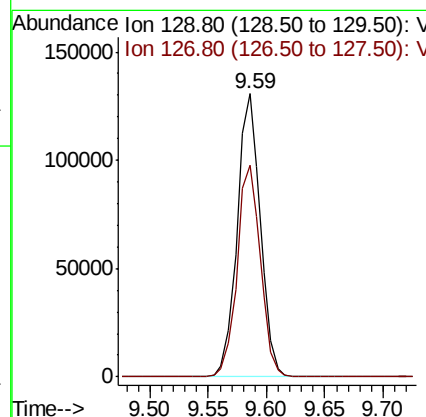
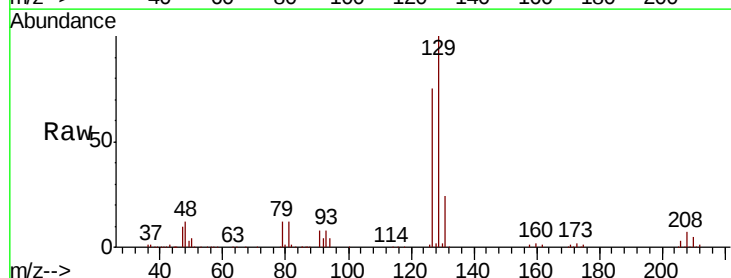
Manual Integrations
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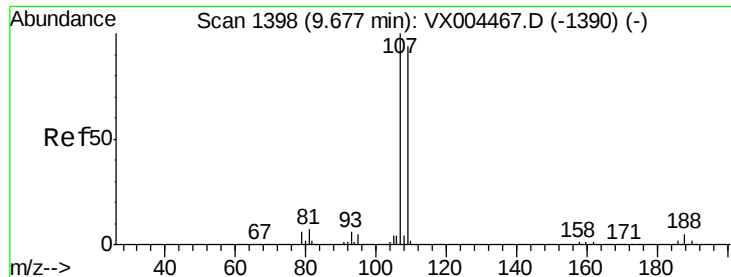
MMDadoda
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#60
Dibromochloromethane
Concen: 61.54 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX004599.D
Acq: 15 Sep 2018 22:13

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.5	38.5	115.5





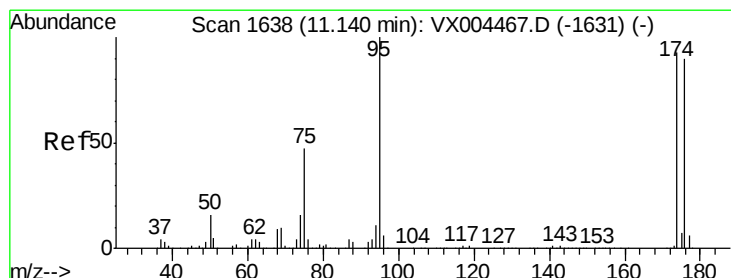
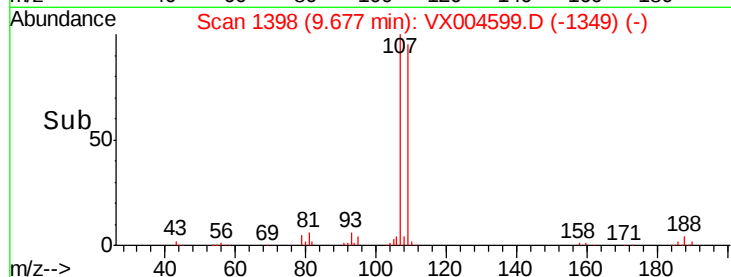
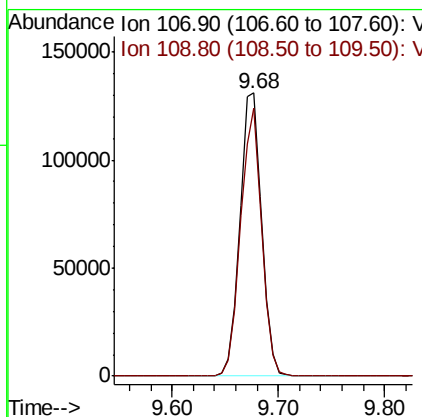
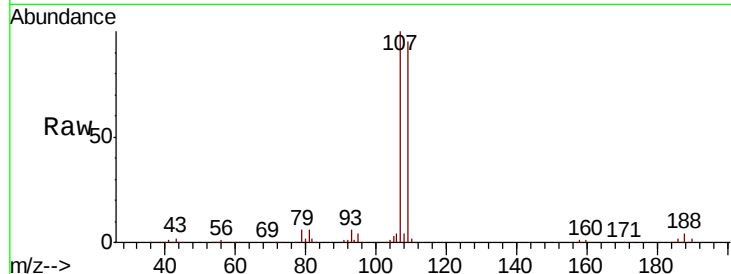
#61
 1,2-Dibromoethane
 Concen: 63.06 ug/l
 RT: 9.68 min Scan# 1398
 Delta R.T. 0.00 min
 Lab File: VX004599.D
 Acq: 15 Sep 2018 22:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	91.8	76.0	114.0

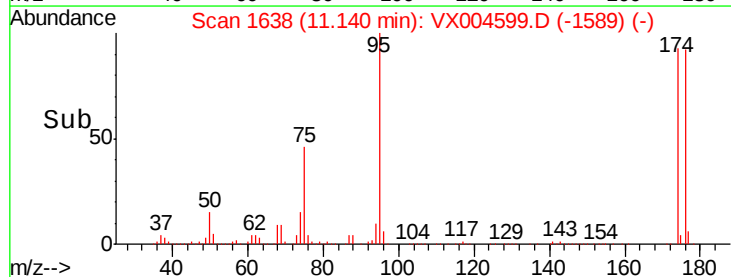
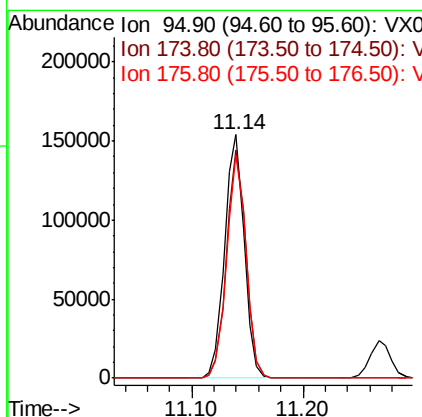
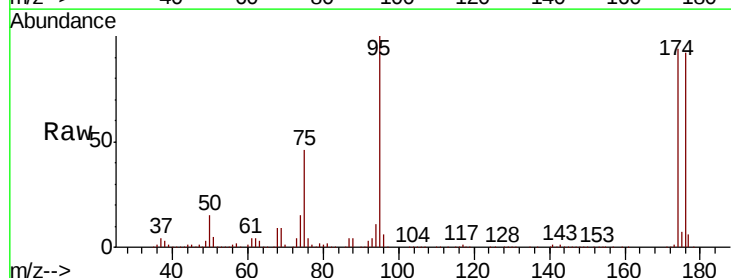
Manual Integrations
 APPROVED

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#62
 4-Bromofluorobenzene
 Concen: 49.95 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.00 min
 Lab File: VX004599.D
 Acq: 15 Sep 2018 22:13

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.2	0.0	185.2
176	90.7	0.0	178.6





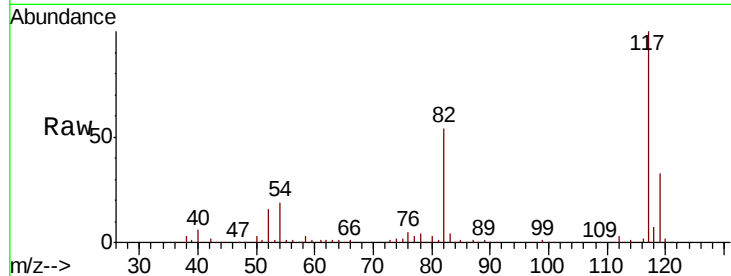
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004599.D
Acq: 15 Sep 2018 22:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	47.8	71.6
119	32.8	29.3	43.9

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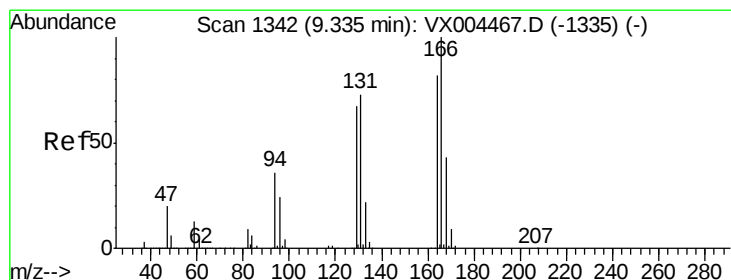
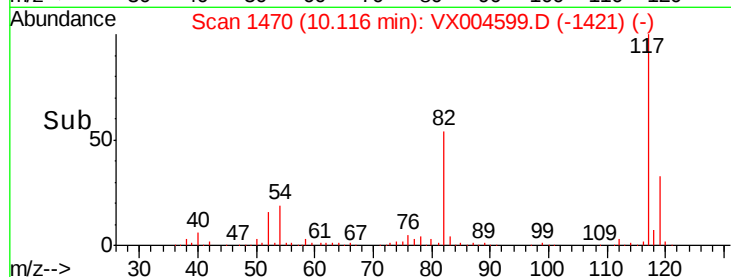
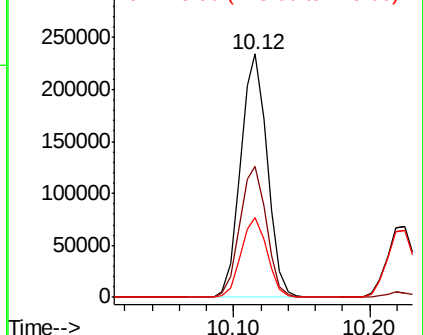


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 50.52 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX004599.D
Acq: 15 Sep 2018 22:13

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.8	102.8	154.2
129	88.7	69.4	104.0
131	95.3	67.9	101.9

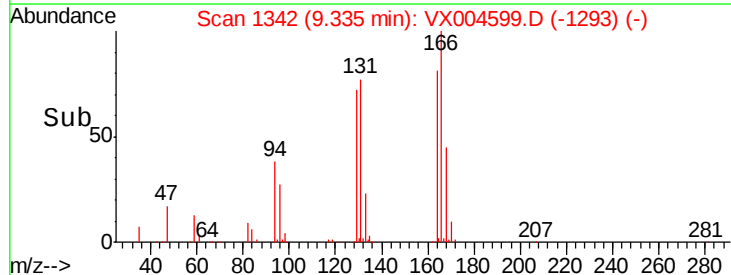
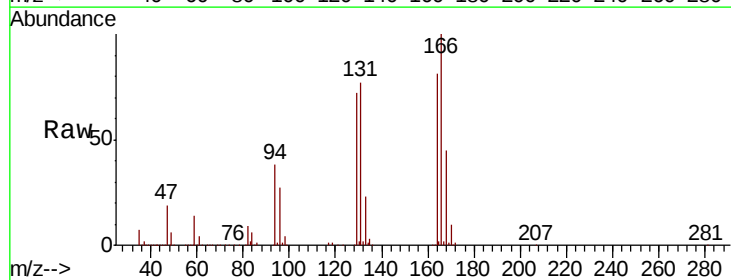
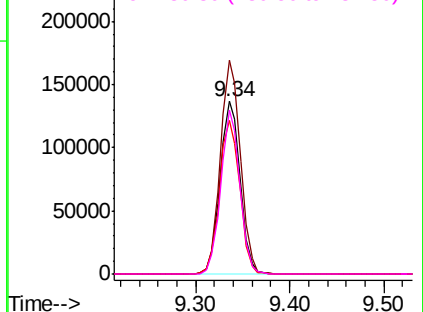
Abundance

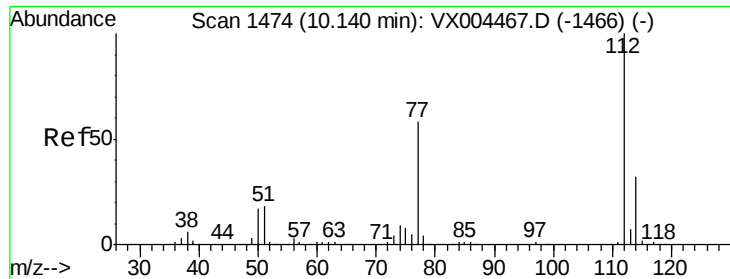
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 50.20 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX004599.D

Acq: 15 Sep 2018 22:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 397699

Ion Ratio Lower Upper

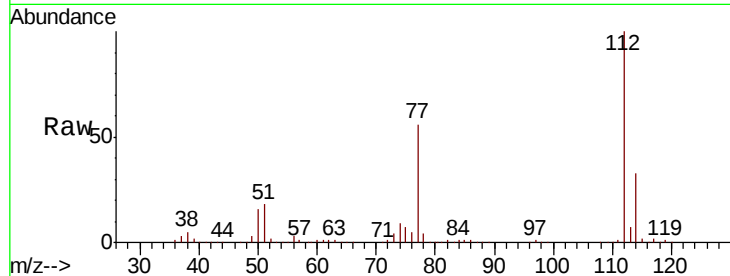
112 100

114 32.9 27.8 41.8

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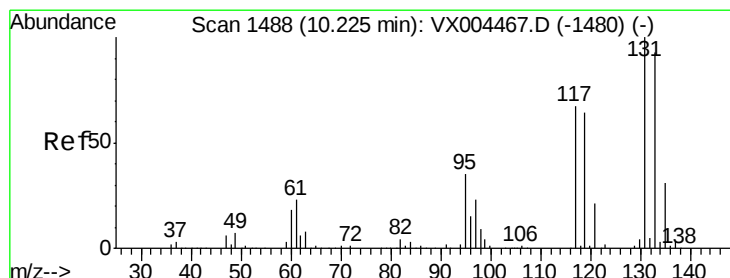
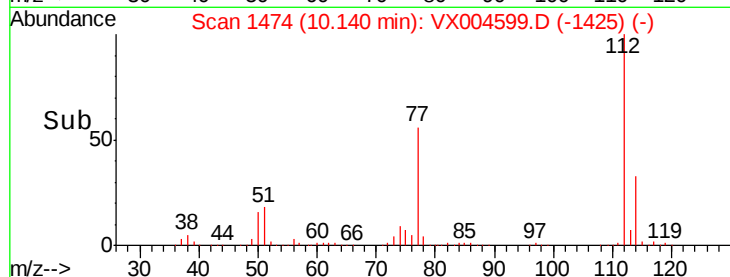
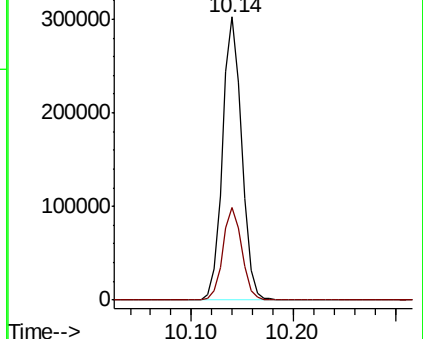
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 51.64 ug/l

RT: 10.23 min Scan# 1488

Delta R.T. 0.00 min

Lab File: VX004599.D

Acq: 15 Sep 2018 22:13

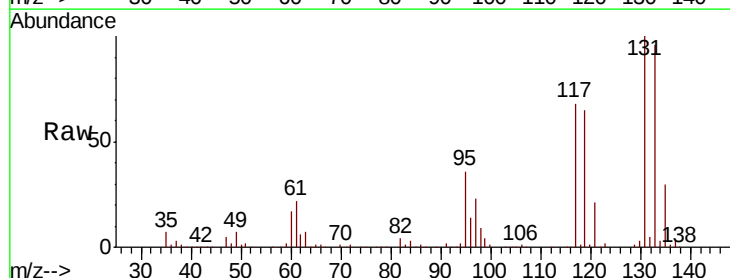
Tgt Ion:131 Resp: 141071

Ion Ratio Lower Upper

131 100

133 95.3 48.1 144.4

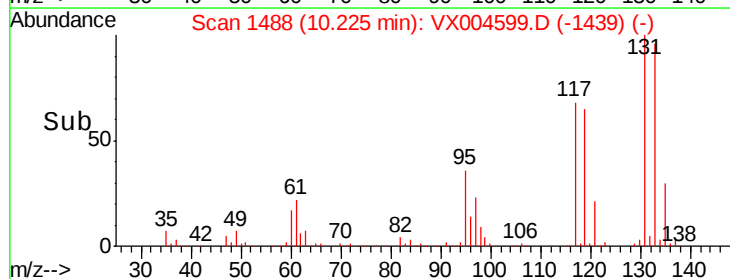
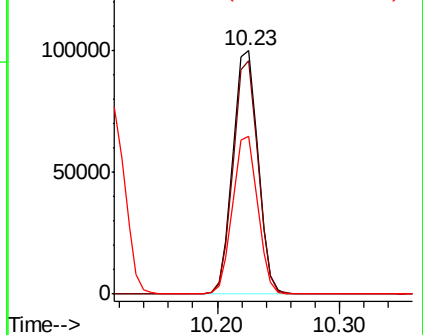
119 65.0 32.9 98.6

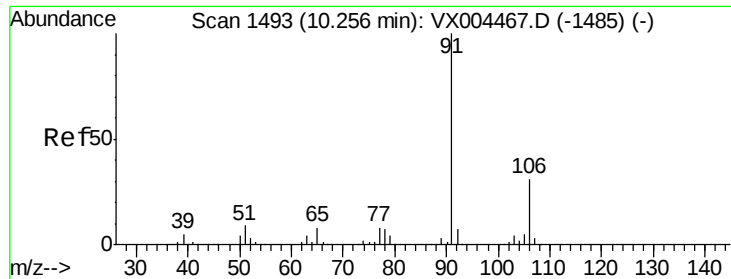


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





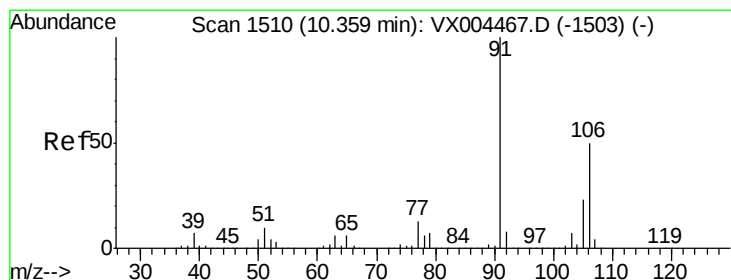
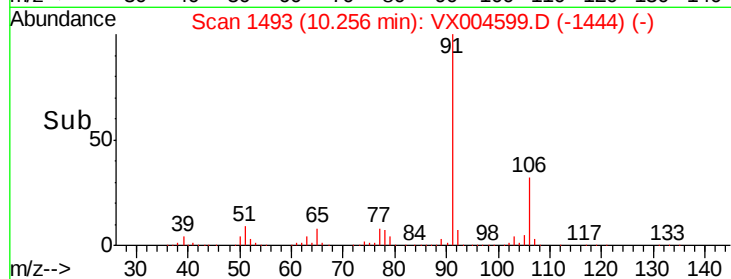
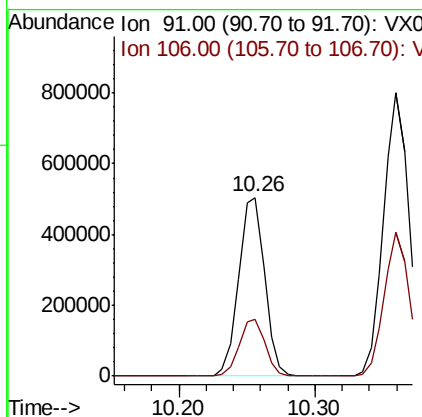
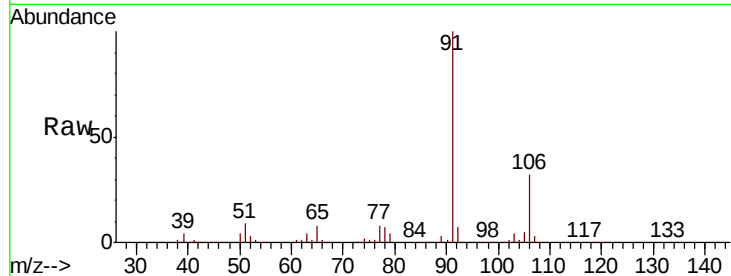
#67
Ethyl Benzene
Concen: 52.03 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VX004599.D
Acq: 15 Sep 2018 22:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 670156
Ion Ratio Lower Upper
91 100
106 31.7 25.9 38.9

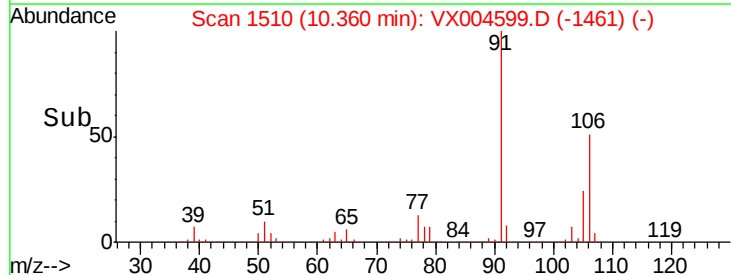
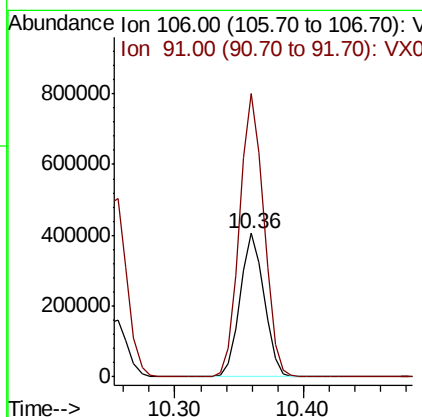
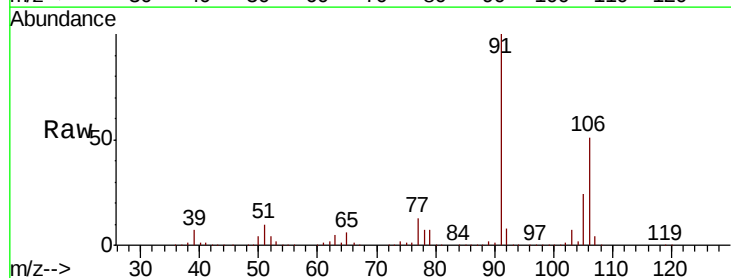
Manual Integrations
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#68
m/p-Xylenes
Concen: 105.88 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX004599.D
Acq: 15 Sep 2018 22:13

Tgt Ion: 106 Resp: 525343
Ion Ratio Lower Upper
106 100
91 199.8 157.1 235.7





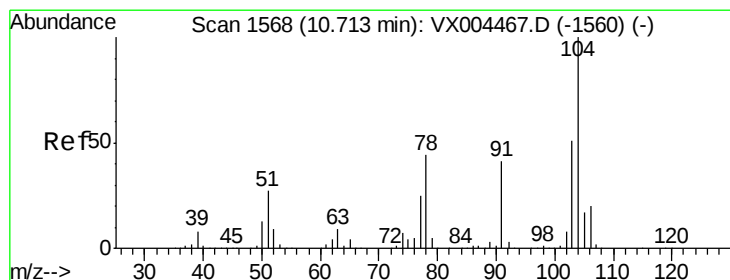
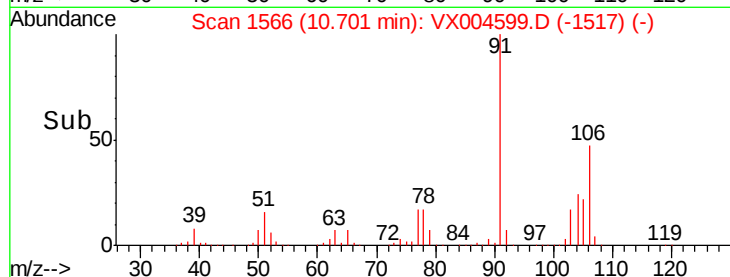
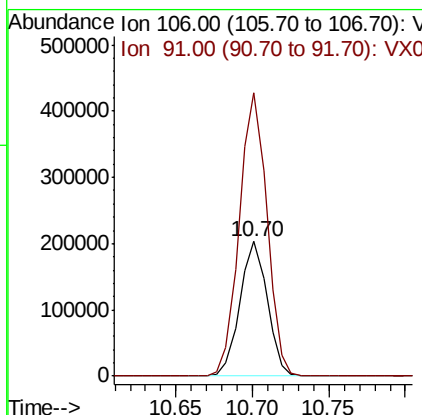
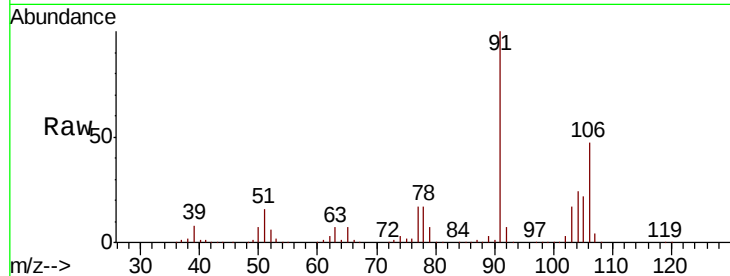
#69
o-Xylene
Concen: 53.26 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX004599.D
Acq: 15 Sep 2018 22:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	211.3	105.1	315.1

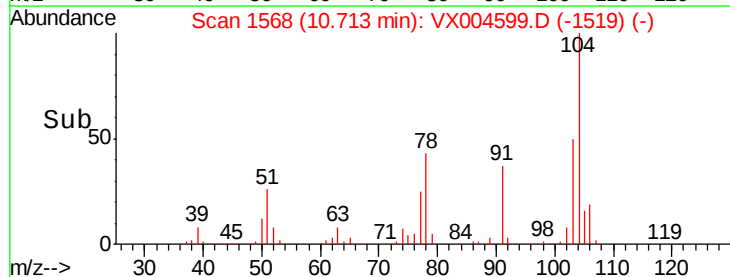
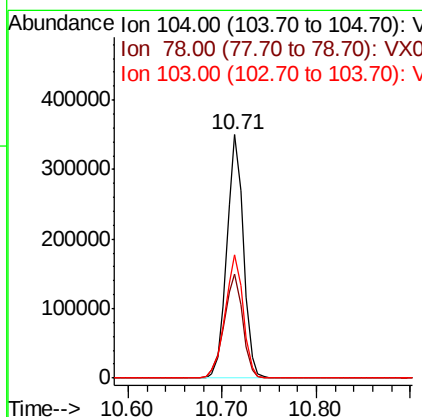
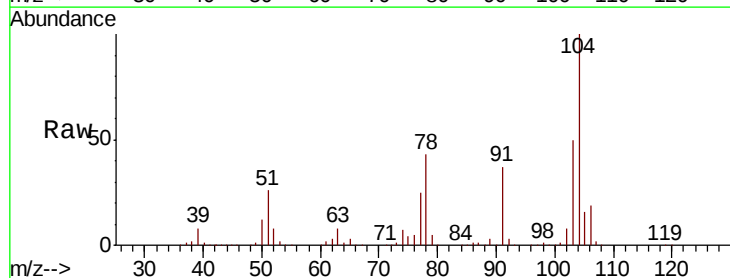
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#70
Styrene
Concen: 54.11 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX004599.D
Acq: 15 Sep 2018 22:13

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.6	37.4	56.0
103	55.3	43.8	65.6





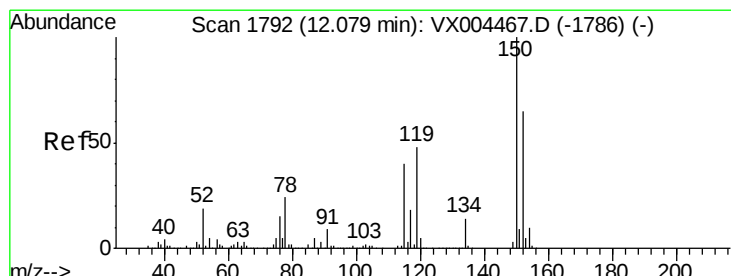
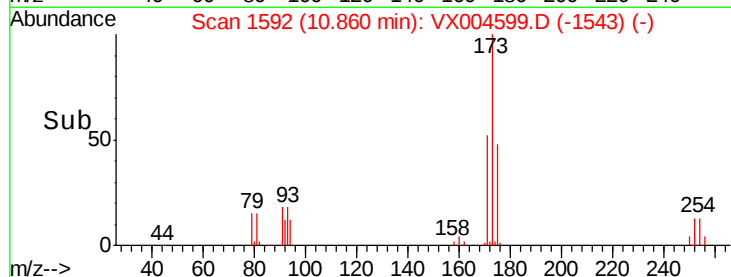
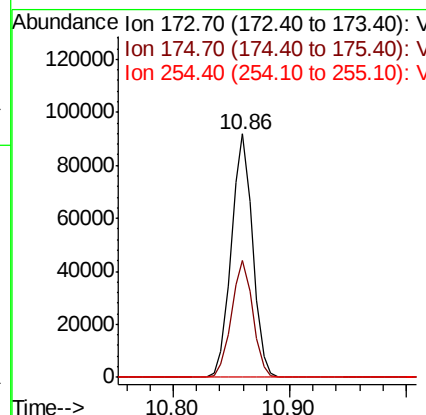
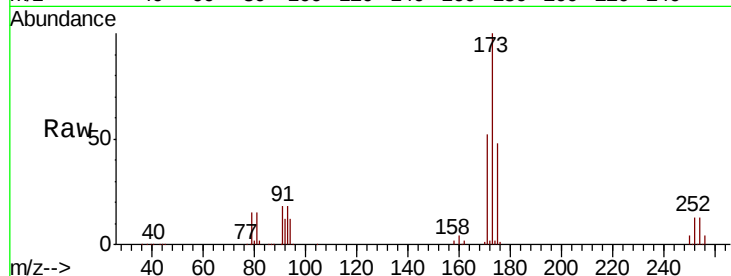
#71
Bromoform
Concen: 51.87 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VX004599.D
Acq: 15 Sep 2018 22:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.1	72.3
254	0.1	0.2	0.2

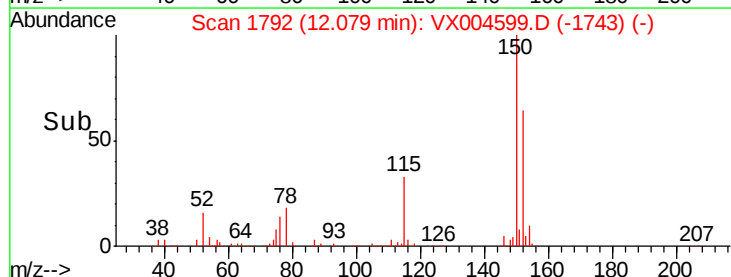
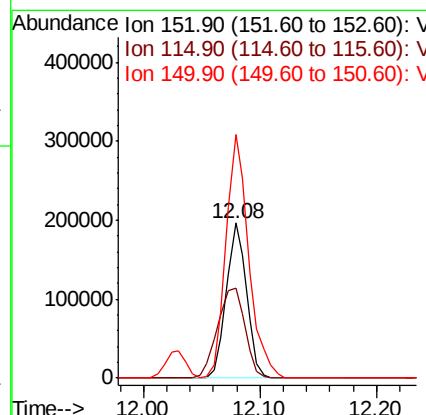
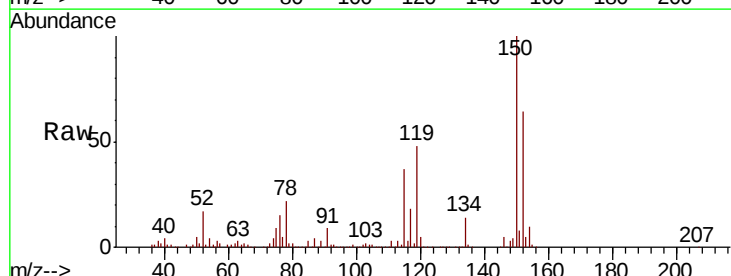
Manual Integrations
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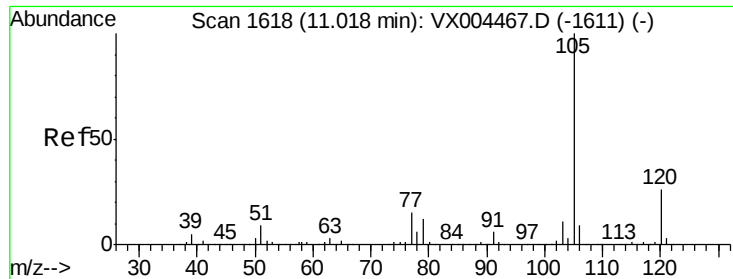
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX004599.D
Acq: 15 Sep 2018 22:13

Tgt Ion	Ratio	Lower	Upper
152	100		
115	78.2	39.0	117.0
150	175.7	0.0	351.0





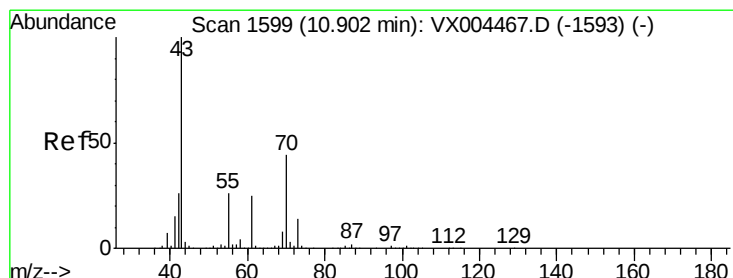
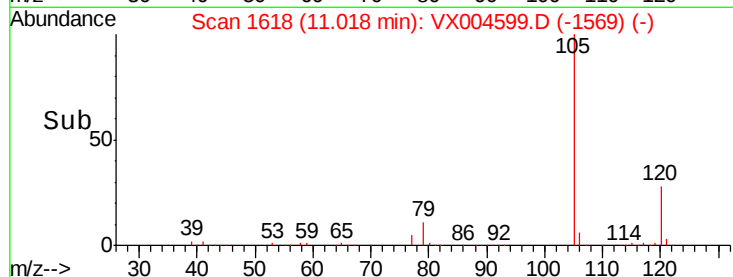
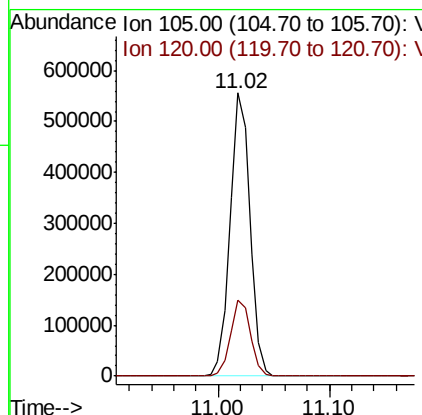
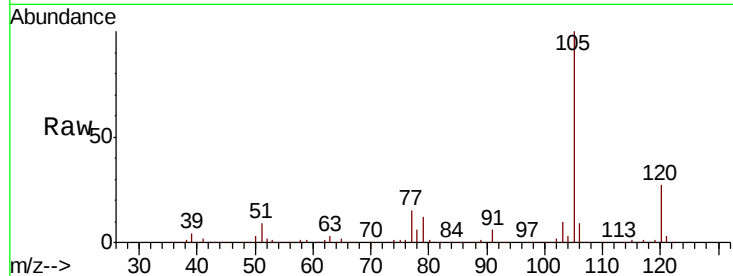
#73
Isopropylbenzene
Concen: 44.25 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX004599.D
Acq: 15 Sep 2018 22:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 105 Resp: 687278
Ion Ratio Lower Upper
105 100
120 27.0 13.5 40.4

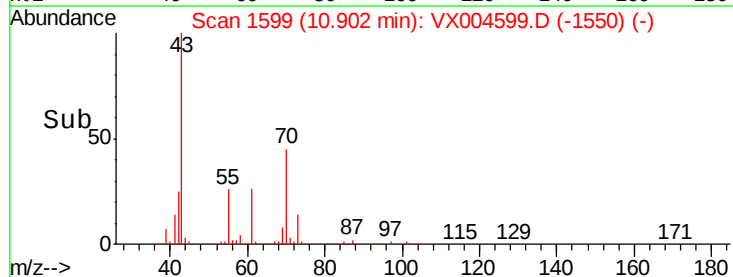
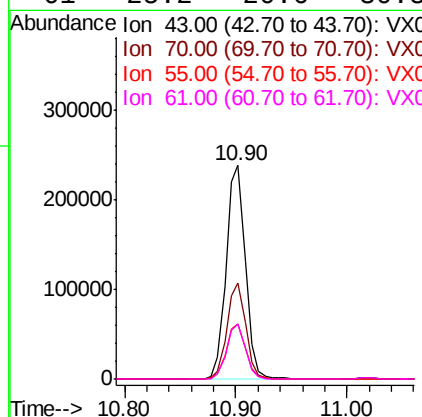
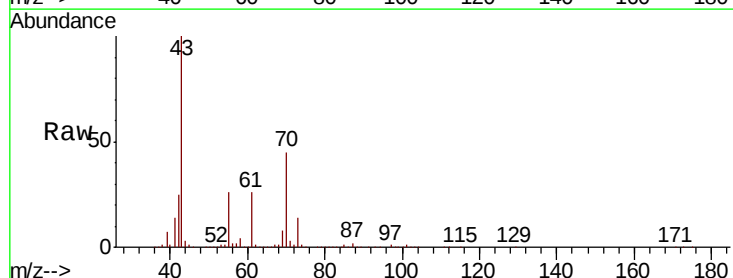
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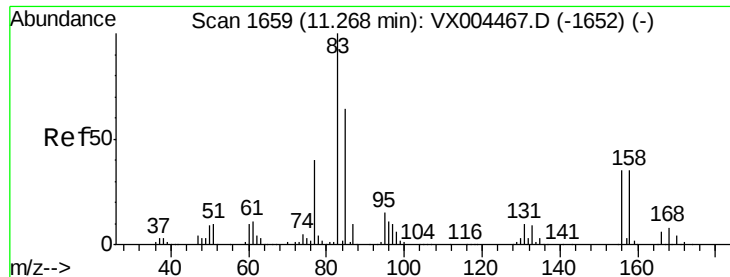
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#74
N-ethyl acetate
Concen: 43.35 ug/l
RT: 10.90 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VX004599.D
Acq: 15 Sep 2018 22:13

Tgt Ion: 43 Resp: 283457
Ion Ratio Lower Upper
43 100
70 43.9 37.4 56.0
55 26.0 21.8 32.8
61 25.2 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 42.92 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX004599.D

Acq: 15 Sep 2018 22:13

Instrument :

MSVOA_X

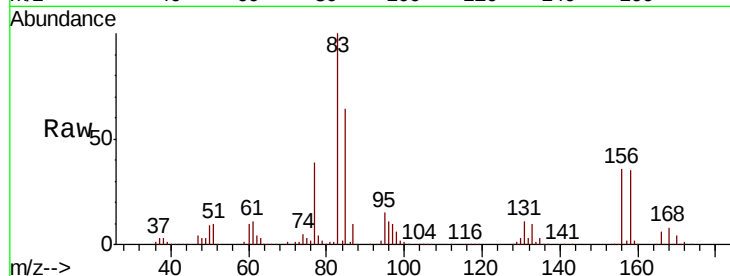
ClientSampleId :

VSTDCCC050

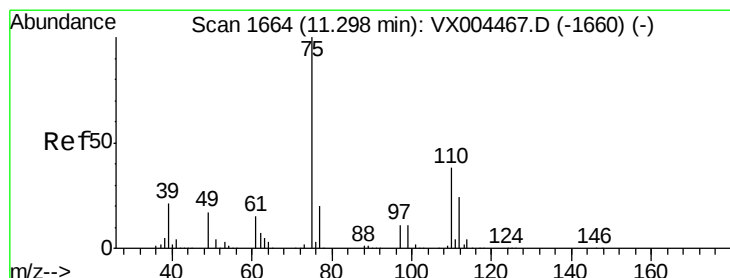
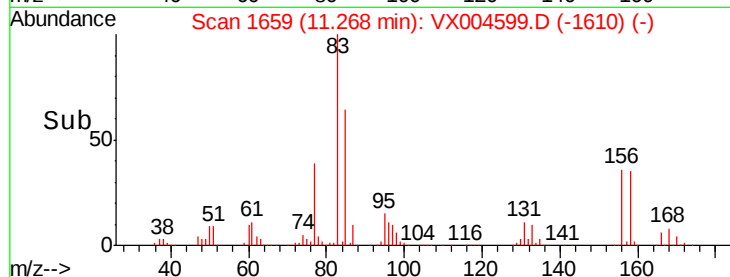
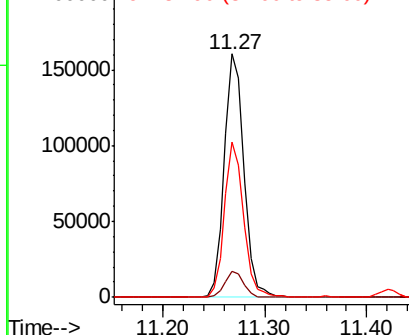
Tot Ion:	83	Resp:	215043
Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.2	15.6
85	62.1	32.3	96.8

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 44.65 ug/l m

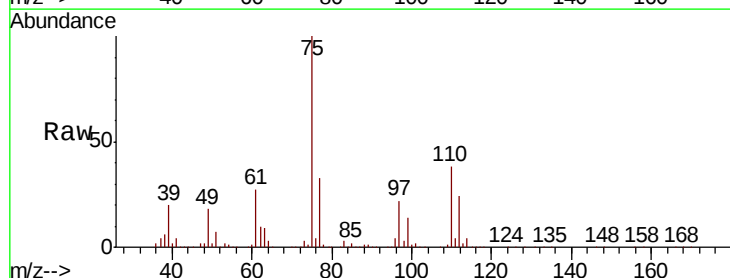
RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

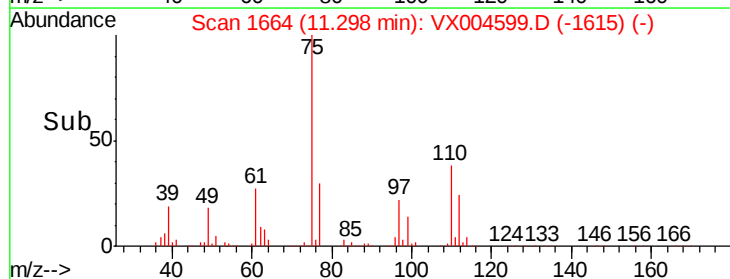
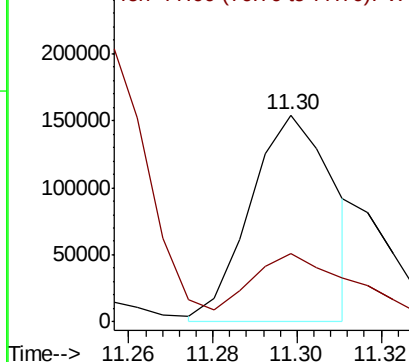
Lab File: VX004599.D

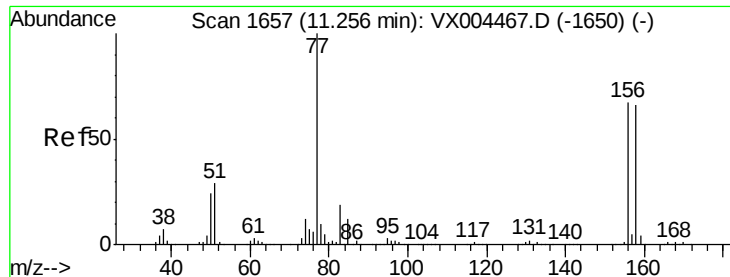
Acq: 15 Sep 2018 22:13

Tgt Ion:	75	Resp:	211873
Ion	Ratio	Lower	Upper
75	100		
77	41.8	20.2	60.6



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 42.45 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX004599.D

Acq: 15 Sep 2018 22:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 182241

Ion Ratio Lower Upper

156 100

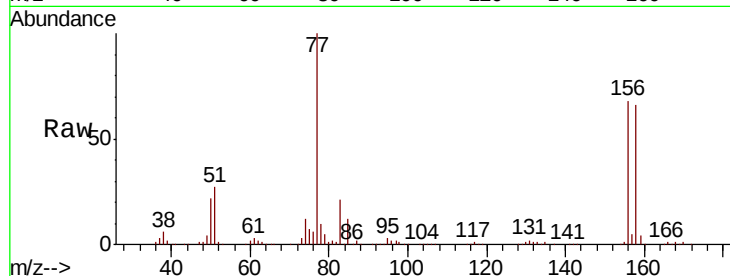
77 145.0 71.5 214.3

158 97.5 48.9 146.8

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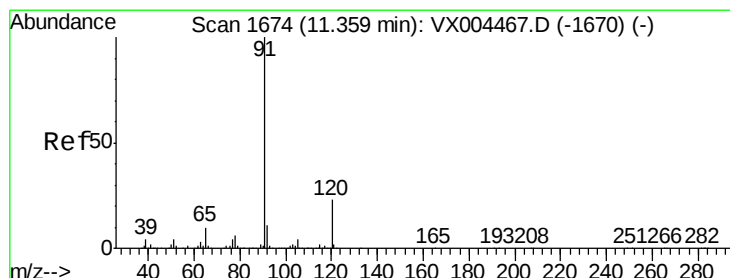
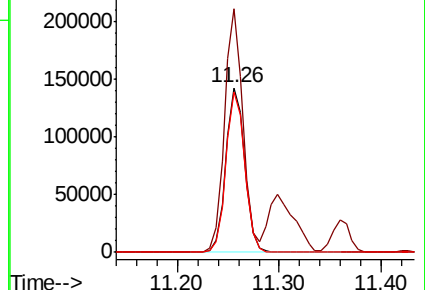
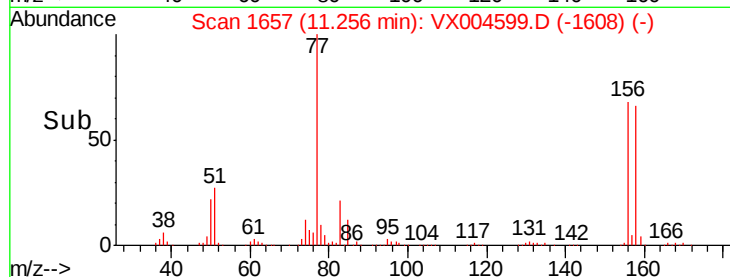
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.23 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX004599.D

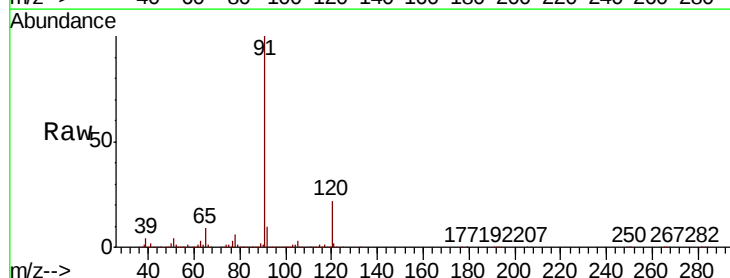
Acq: 15 Sep 2018 22:13

Tgt Ion: 91 Resp: 932808

Ion Ratio Lower Upper

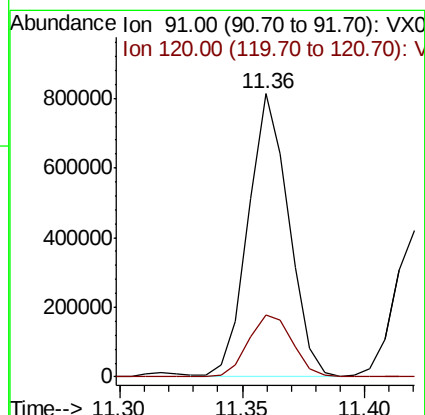
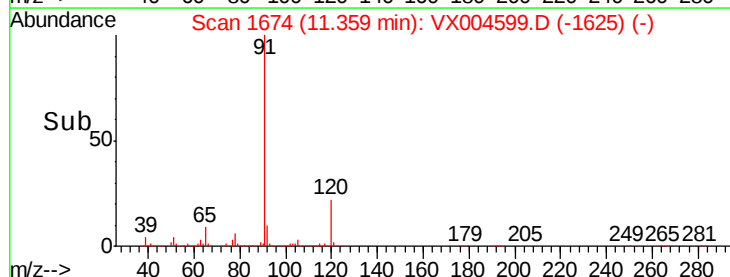
91 100

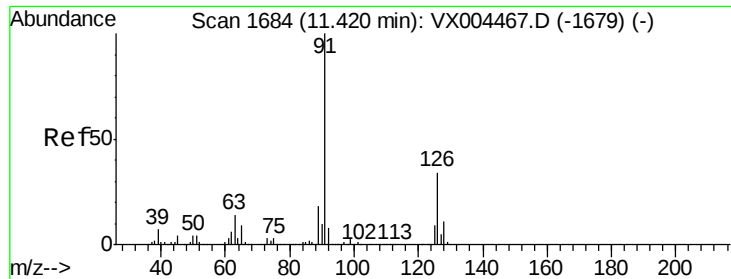
120 24.0 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.44 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX004599.D

Acq: 15 Sep 2018 22:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 535563

Ion Ratio Lower Upper

91 100

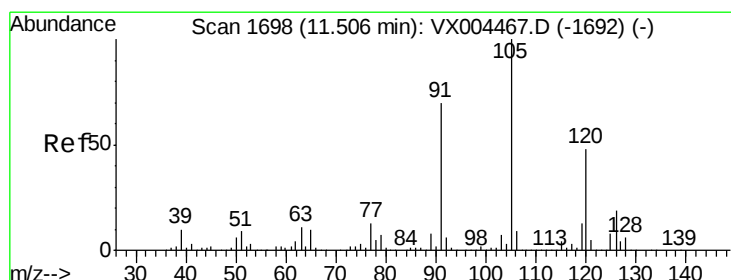
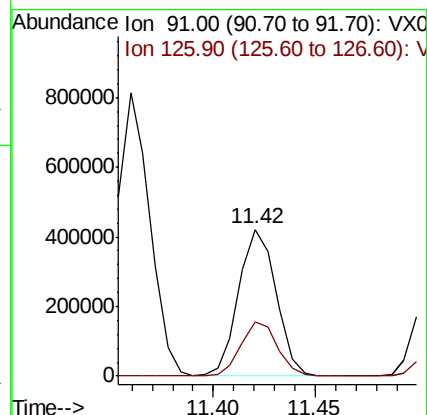
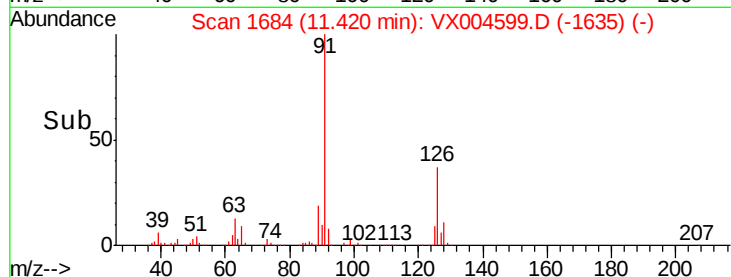
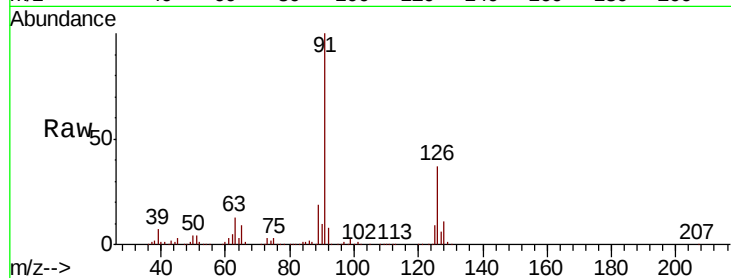
126 36.7 17.9 53.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 52.92 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX004599.D

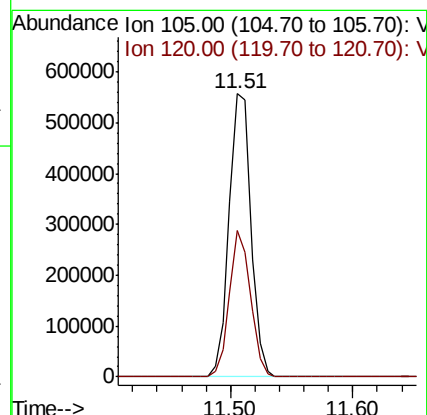
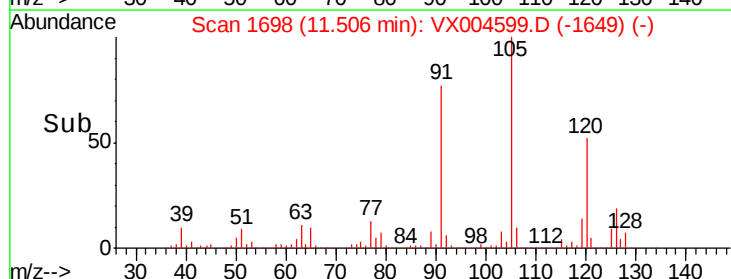
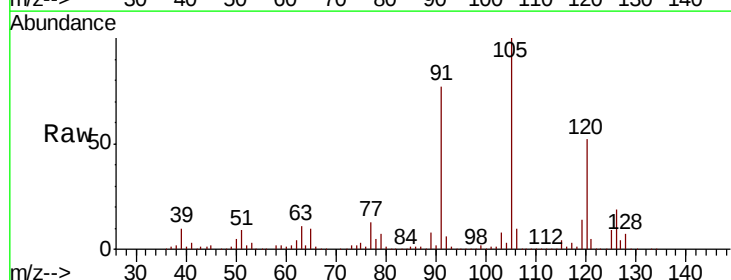
Acq: 15 Sep 2018 22:13

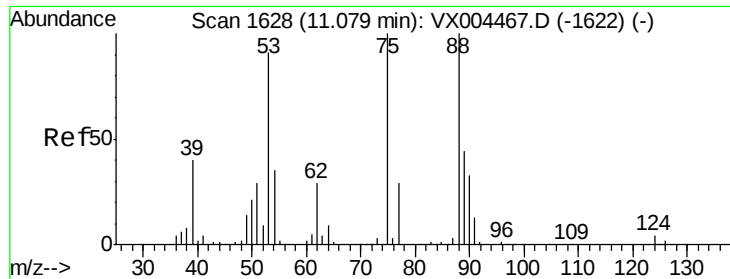
Tgt Ion: 105 Resp: 691013

Ion Ratio Lower Upper

105 100

120 49.8 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 41.30 ug/l

RT: 11.08 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VX004599.D

Acq: 15 Sep 2018 22:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 61477

Ion Ratio Lower Upper

75 100

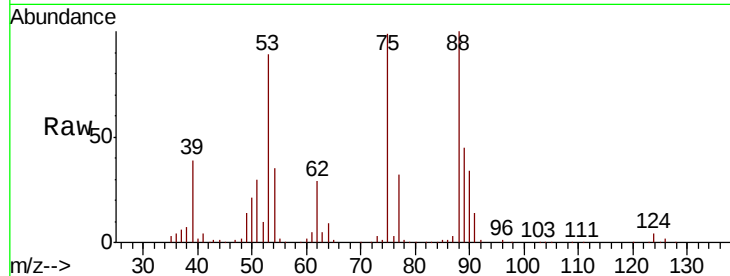
53 92.0 80.1 120.1

89 45.4 37.2 55.8

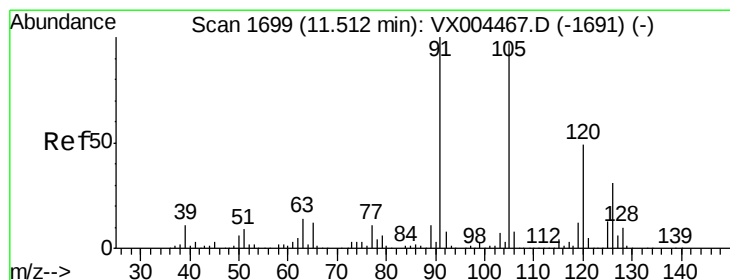
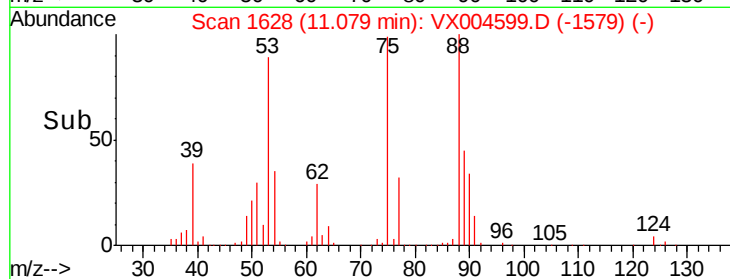
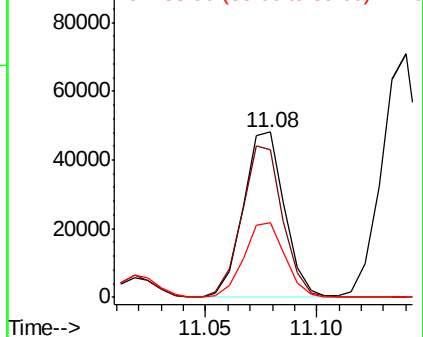
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Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 53.08 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX004599.D

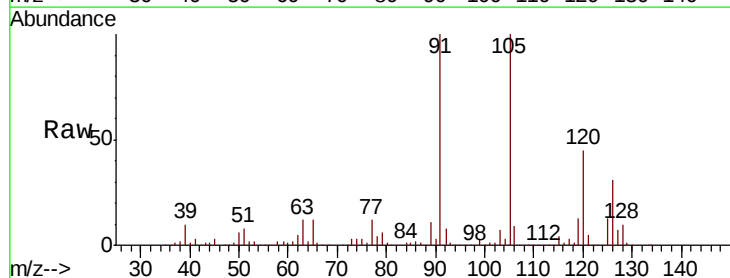
Acq: 15 Sep 2018 22:13

Tgt Ion: 91 Resp: 671113

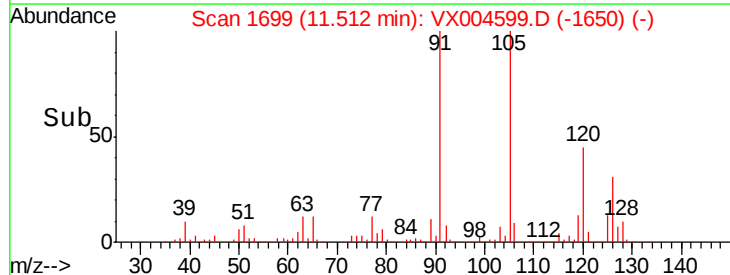
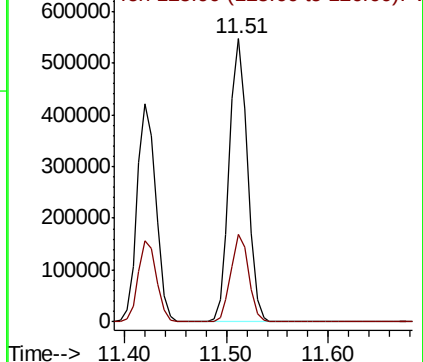
Ion Ratio Lower Upper

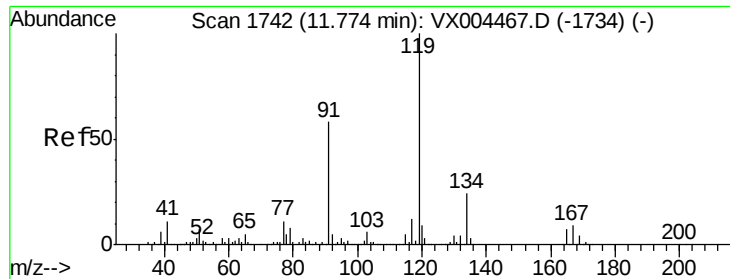
91 100

126 30.6 15.5 46.5



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V





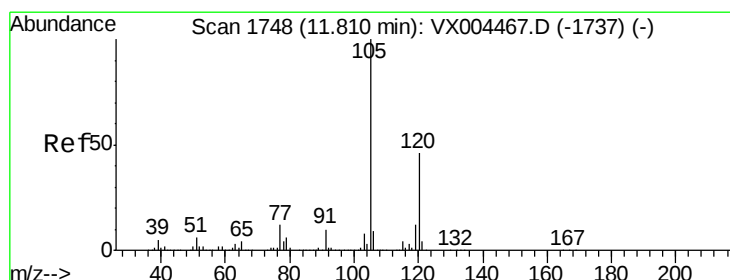
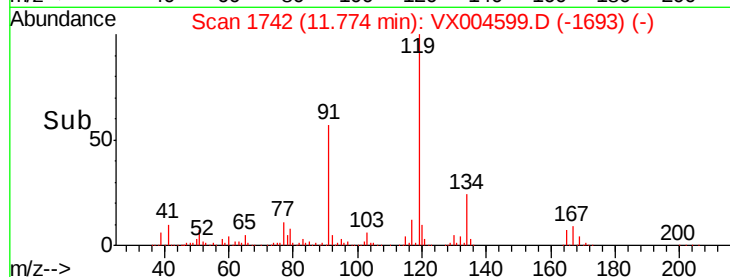
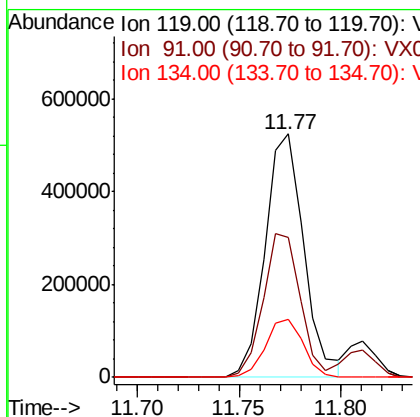
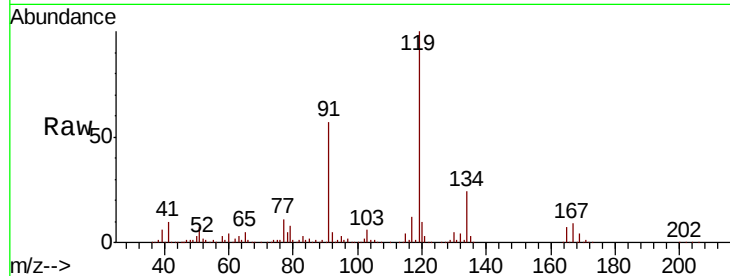
#83
 tert-Butylbenzene
 Concen: 55.75 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VX004599.D
 Acq: 15 Sep 2018 22:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	693086		
91	56.8		27.0	81.0
134	23.2		11.7	35.1

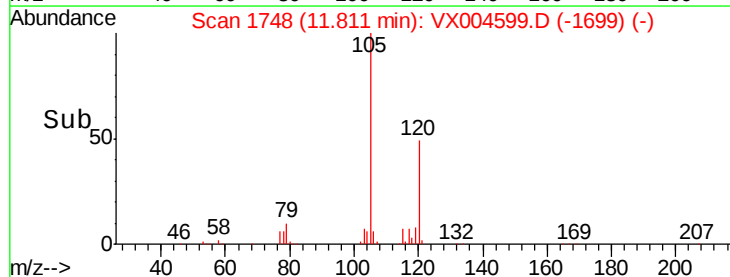
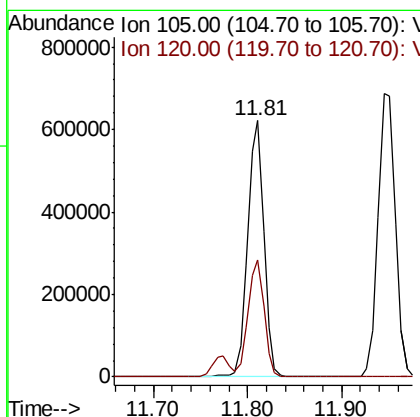
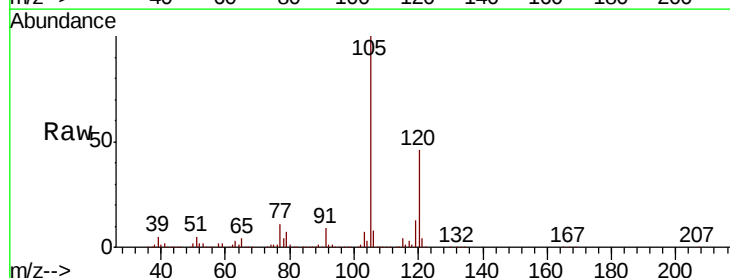
Manual Integrations
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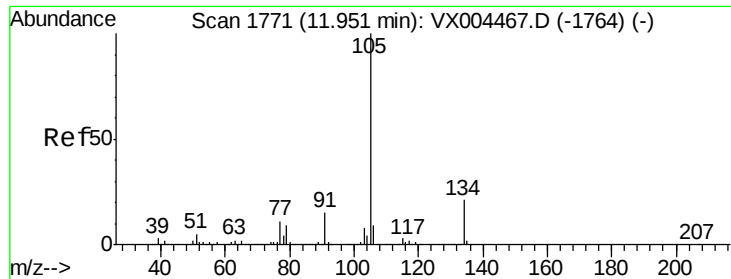
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#84
 1,2,4-Trimethylbenzene
 Concen: 55.86 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.00 min
 Lab File: VX004599.D
 Acq: 15 Sep 2018 22:13

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	744687		
120	45.3		23.2	69.6





#85

sec-Butylbenzene

Concen: 55.27 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX004599.D

Acq: 15 Sep 2018 22:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 875680

Ion Ratio Lower Upper

105 100

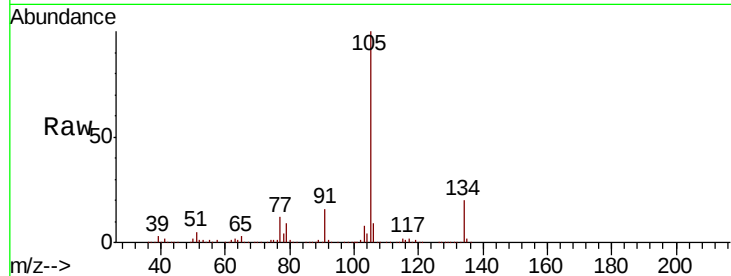
134 20.1 10.5 31.5

Manual Integrations

APPROVED

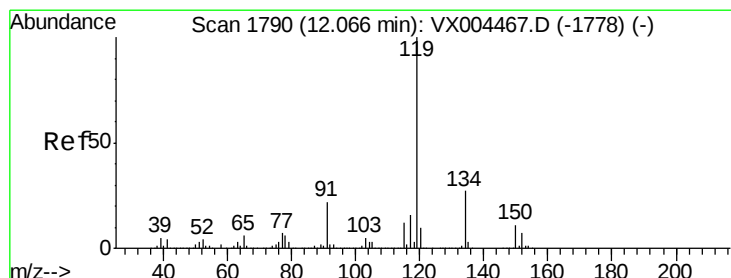
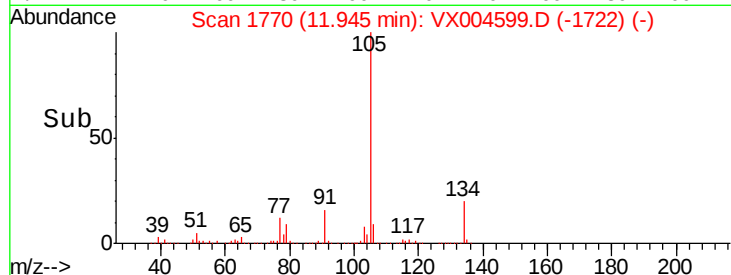
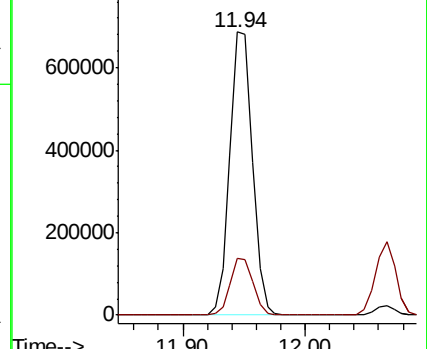
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 55.12 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX004599.D

Acq: 15 Sep 2018 22:13

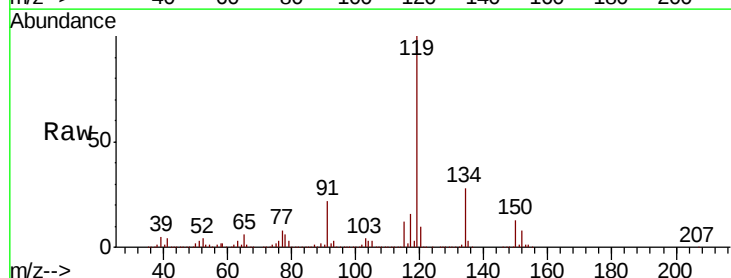
Tgt Ion:119 Resp: 771083

Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.2

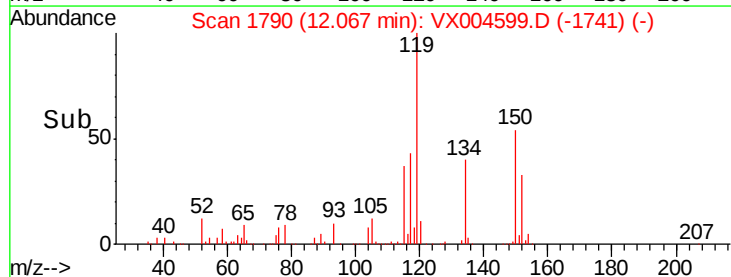
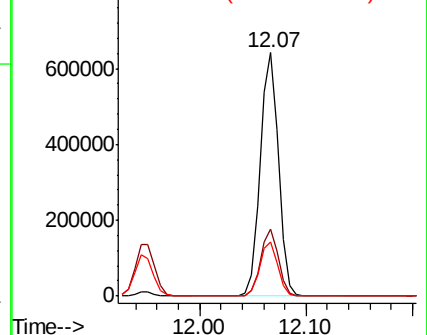
91 22.0 10.9 32.7

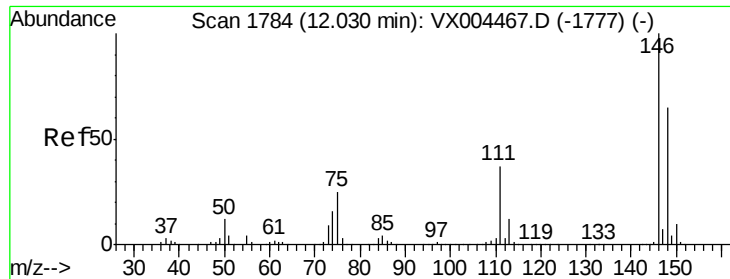


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





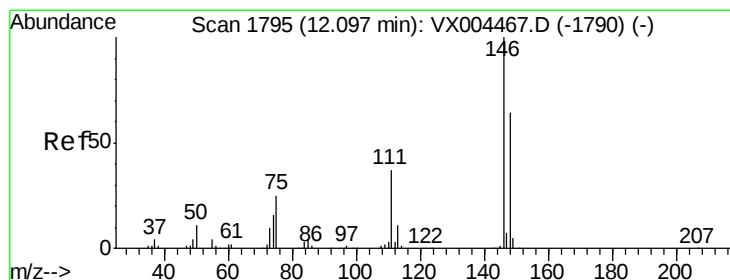
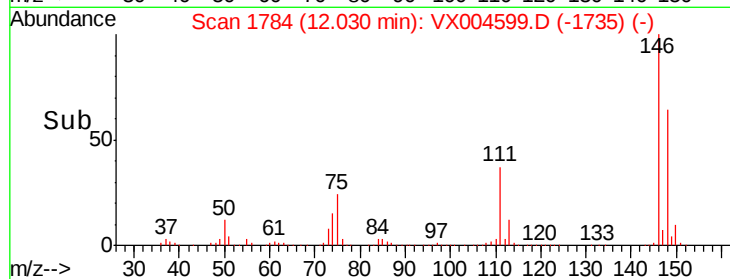
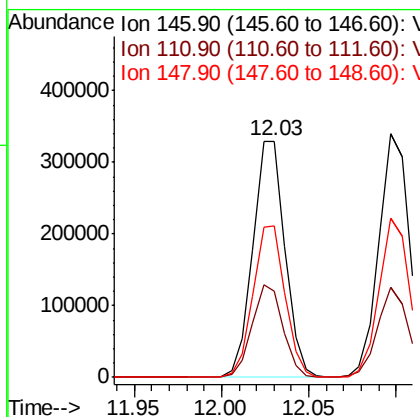
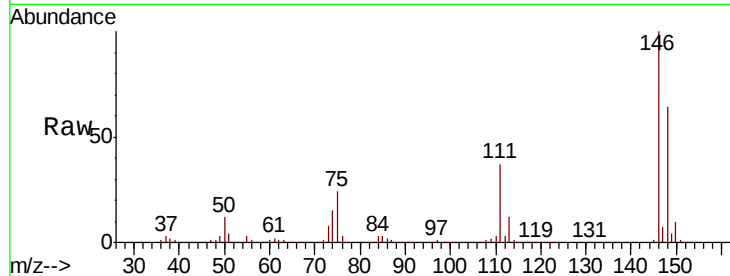
#87
 1,3-Dichlorobenzene
 Concen: 52.63 ug/l
 RT: 12.03 min Scan# 1784
 Delta R.T. 0.00 min
 Lab File: VX004599.D
 Acq: 15 Sep 2018 22:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.7	56.1
148	63.9	32.1	96.5

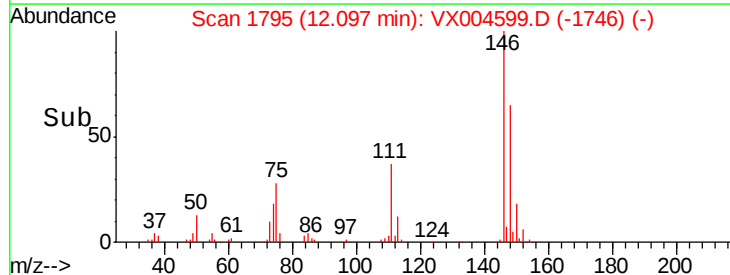
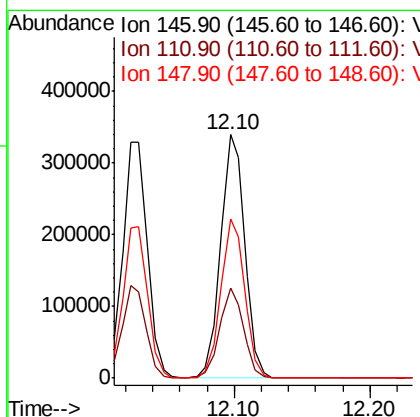
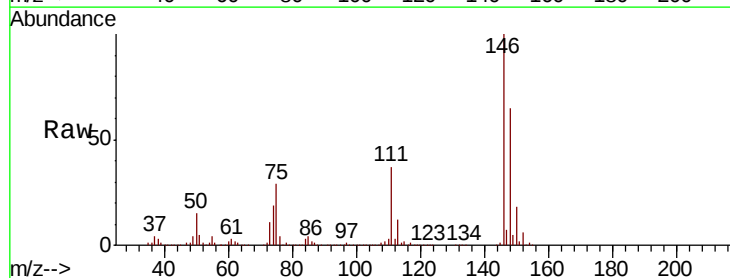
Manual Integrations
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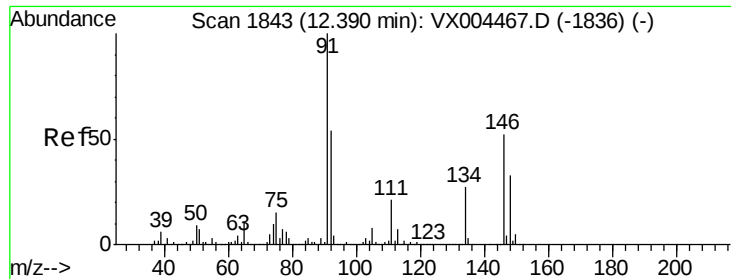
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#88
 1,4-Dichlorobenzene
 Concen: 50.28 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX004599.D
 Acq: 15 Sep 2018 22:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.1	54.1
148	64.6	32.0	96.0





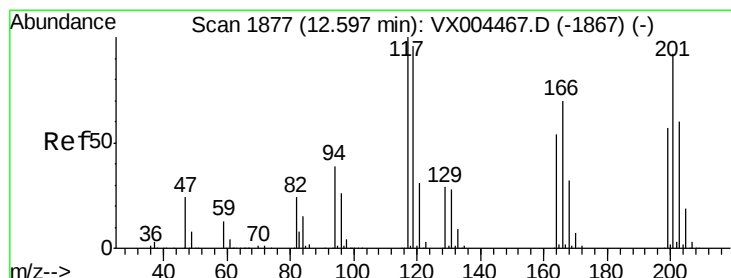
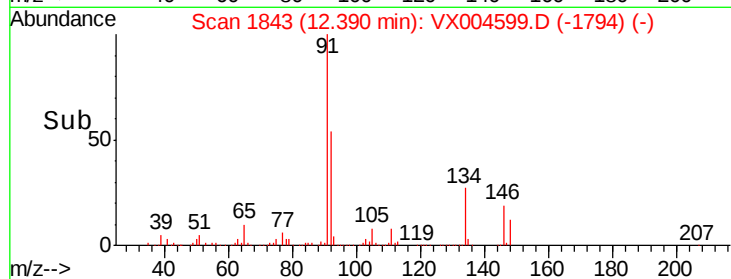
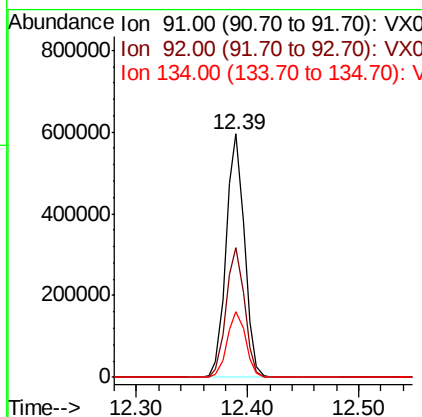
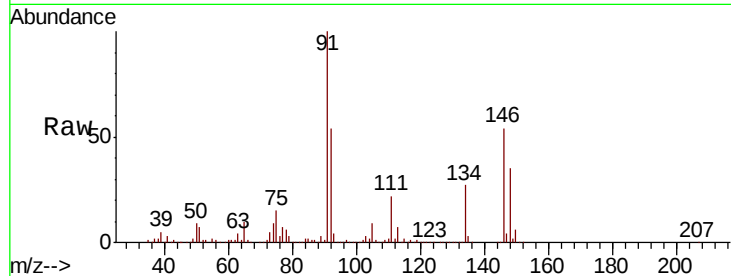
#89
n-Butylbenzene
Concen: 53.15 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX004599.D
Acq: 15 Sep 2018 22:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.6	27.3	81.9
134	27.2	13.6	40.7

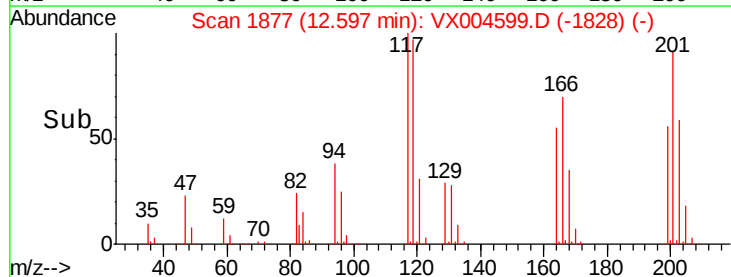
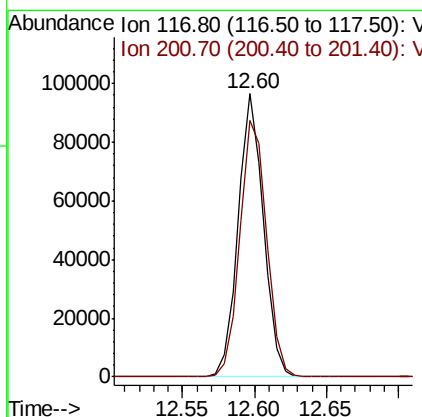
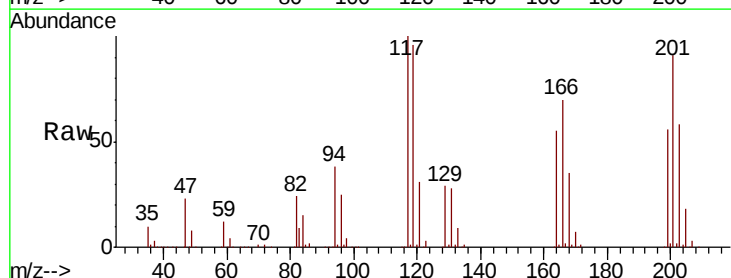
Manual Integrations
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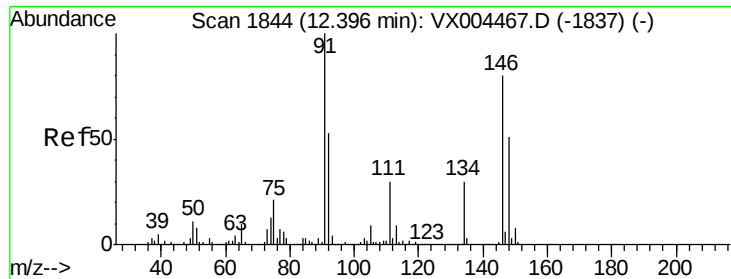
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#90
Hexachloroethane
Concen: 52.65 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX004599.D
Acq: 15 Sep 2018 22:13

Tgt Ion	Ratio	Lower	Upper
117	100		
201	95.2	46.9	140.6





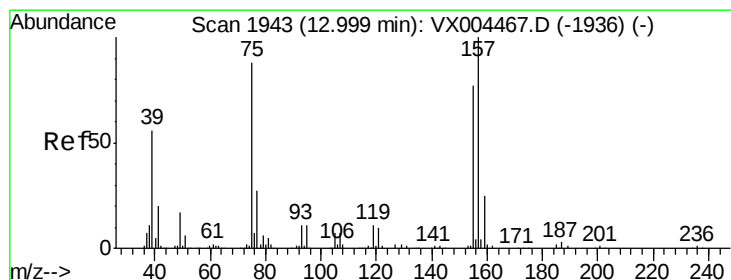
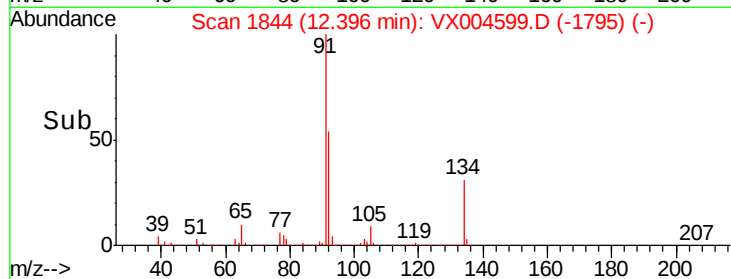
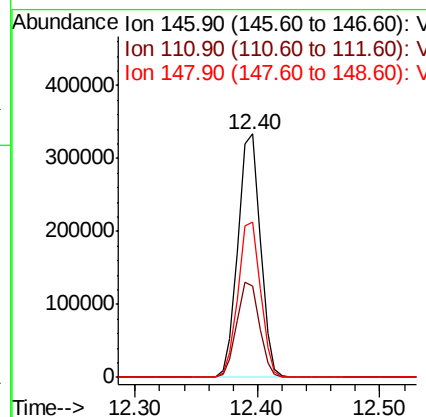
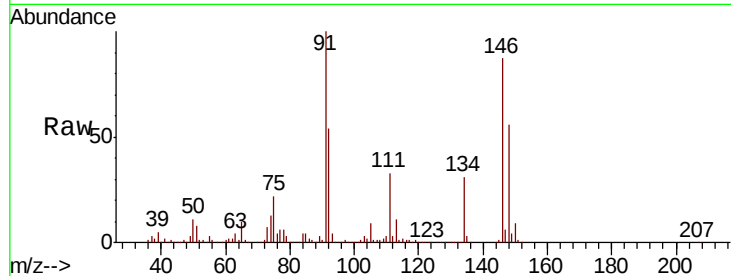
#91
 1,2-Dichlorobenzene
 Concen: 51.91 ug/l
 RT: 12.40 min Scan# 1844
 Delta R.T. 0.00 min
 Lab File: VX004599.D
 Acq: 15 Sep 2018 22:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.4	58.1
148	64.2	32.8	98.3

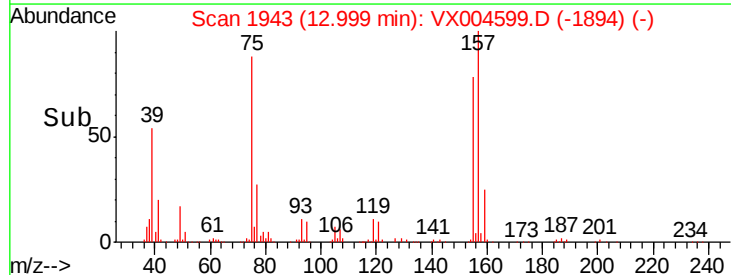
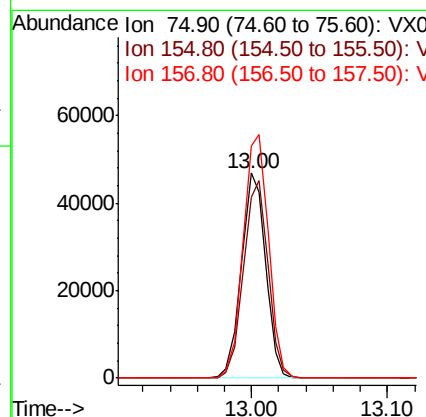
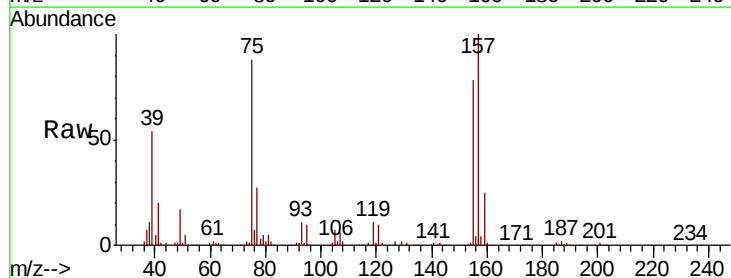
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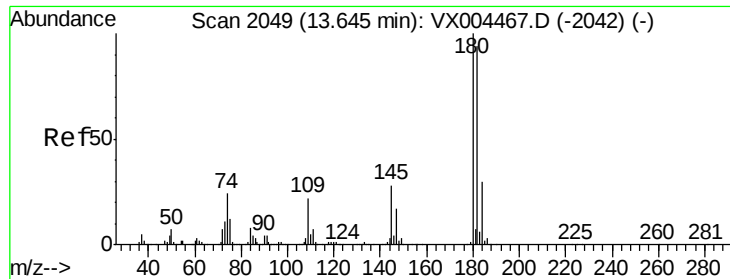
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.39 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX004599.D
 Acq: 15 Sep 2018 22:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.3	48.0	144.2
157	124.1	61.4	184.1





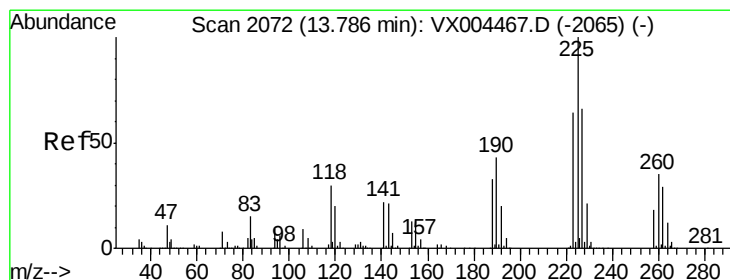
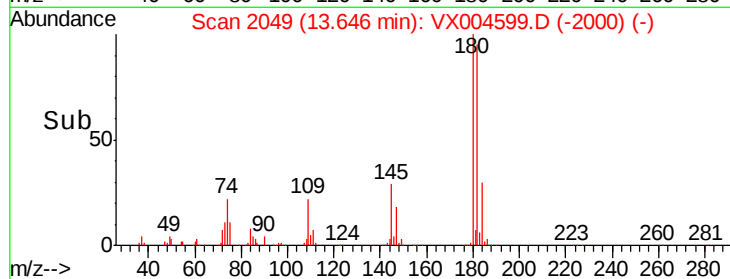
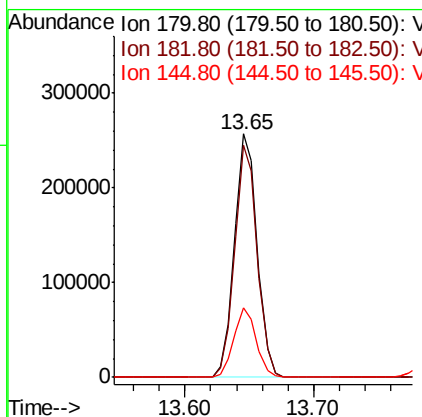
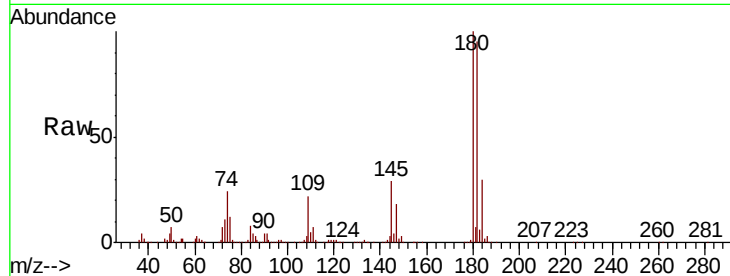
#93
 1,2,4-Trichlorobenzene
 Concen: 55.02 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX004599.D
 Acq: 15 Sep 2018 22:13

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	315884		
182	94.4	48.4	145.0	
145	28.1	14.3	42.9	

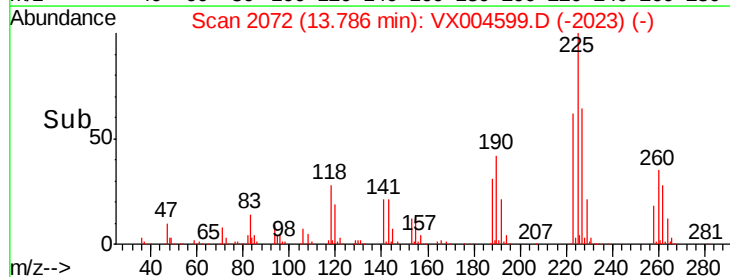
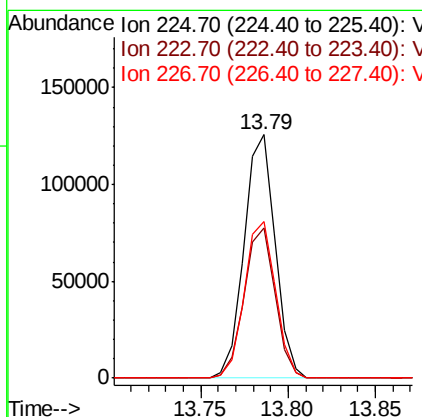
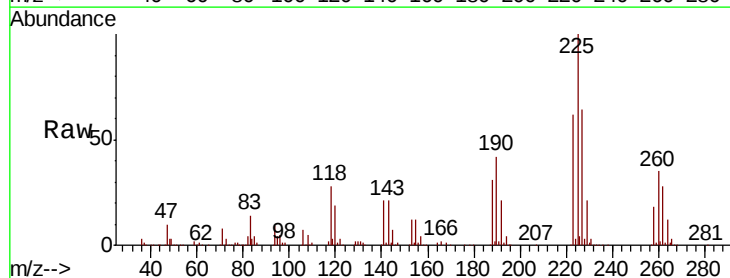
Manual Integrations
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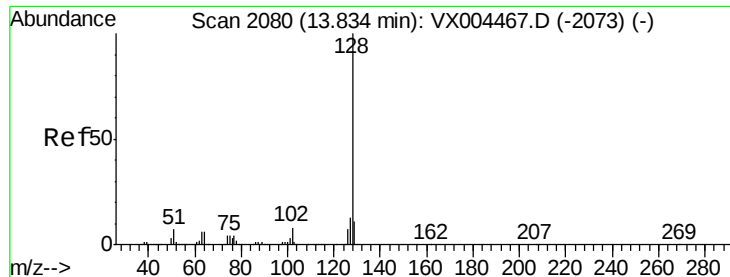
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#94
 Hexachlorobutadiene
 Concen: 51.75 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VX004599.D
 Acq: 15 Sep 2018 22:13

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	155192		
223	61.6	30.1	90.5	
227	64.6	30.8	92.4	





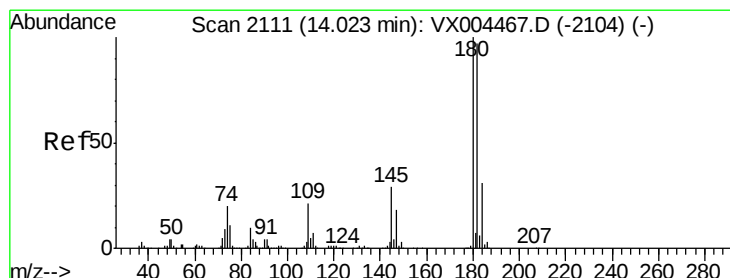
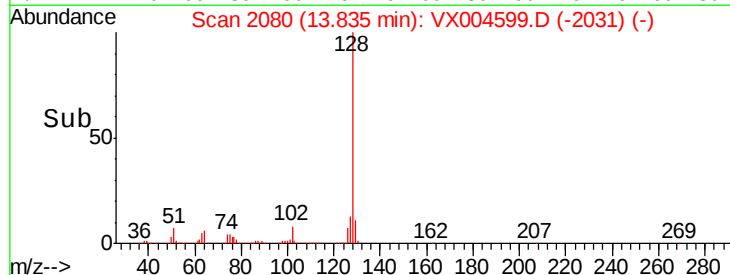
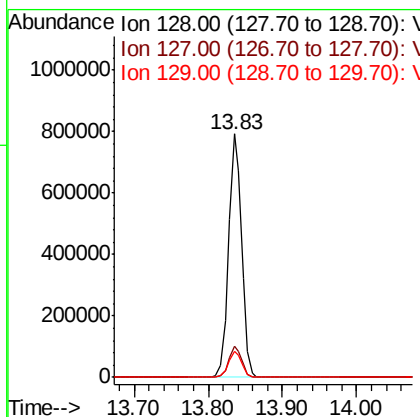
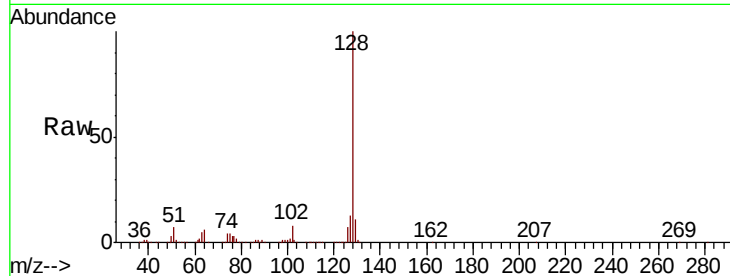
#95
Naphthalene
Concen: 60.00 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX004599.D
Acq: 15 Sep 2018 22:13

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.7	8.6	12.8

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 52.67 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. 0.00 min
Lab File: VX004599.D
Acq: 15 Sep 2018 22:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.1	48.5	145.6
145	30.2	14.9	44.9

