

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090519\
 Data File : VX012116.D
 Acq On : 05 Sep 2019 22:17
 Operator : SY/SP
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Sep 06 05:45:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 03 15:26:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	112015	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	213753	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	200716	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	98513	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	86661	56.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.14%	
35) Dibromofluoromethane	5.48	113	65933	50.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.32%	
50) Toluene-d8	8.71	98	245780	50.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.90%	
62) 4-Bromofluorobenzene	11.14	95	110165	49.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	44659	43.234	ug/l	97
3) Chloromethane	1.31	50	53150	50.242	ug/l	99
4) Vinyl Chloride	1.39	62	48408	48.637	ug/l	99
5) Bromomethane	1.62	94	28553	57.830	ug/l	97
6) Chloroethane	1.71	64	31303	50.592	ug/l	97
7) Trichlorofluoromethane	1.92	101	71867	46.489	ug/l	99
8) Diethyl Ether	2.17	74	28001	52.415	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.37	101	50482	44.089	ug/l #	83
10) Methyl Iodide	2.50	142	35980	33.688	ug/l	92
11) Tert butyl alcohol	3.03	59	35003	235.784	ug/l	96
12) 1,1-Dichloroethene	2.36	96	50590	45.866	ug/l	90
13) Acrolein	2.28	56	8551	226.148	ug/l	99
14) Allyl chloride	2.72	41	100364	50.287	ug/l	98
15) Acrylonitrile	3.12	53	84349	251.268	ug/l	99
16) Acetone	2.43	43	75092	203.266	ug/l	99
17) Carbon Disulfide	2.56	76	159034	49.335	ug/l	99
18) Methyl Acetate	2.76	43	48566	55.805	ug/l	95
19) Methyl tert-butyl Ether	3.18	73	180460	50.254	ug/l	97
20) Methylene Chloride	2.84	84	69014	46.521	ug/l	95
21) trans-1,2-Dichloroethene	3.15	96	63019	48.688	ug/l	96
22) Diisopropyl ether	3.84	45	204733	50.327	ug/l	95
23) Vinyl Acetate	3.80	43	663965	252.307	ug/l	99
24) 1,1-Dichloroethane	3.68	63	116501	49.378	ug/l	99
25) 2-Butanone	4.65	43	117550	249.971	ug/l	94
26) 2,2-Dichloropropane	4.56	77	90798	41.683	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	73530	48.463	ug/l	92
28) Bromochloromethane	5.00	49	53811	57.136	ug/l #	79
29) Tetrahydrofuran	5.12	42	73306	258.732	ug/l	99
30) Chloroform	5.20	83	125808	49.694	ug/l	98
31) Cyclohexane	5.56	56	84208	44.440	ug/l	96
32) 1,1,1-Trichloroethane	5.48	97	107500	48.755	ug/l	96
36) 1,1-Dichloropropene	5.79	75	85102	45.204	ug/l	95
37) Ethyl Acetate	4.82	43	49575	48.425	ug/l	98
38) Carbon Tetrachloride	5.77	117	90112	45.424	ug/l	94

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	91077	41.683	ug/l	94
40) Benzene	6.13	78	255383	47.252	ug/l	98
41) Methacrylonitrile	5.03	41	31001	50.778	ug/l	96
42) 1,2-Dichloroethane	6.18	62	97972	50.373	ug/l	97
43) Isopropyl Acetate	6.43	43	103335	49.641	ug/l	98
44) Trichloroethene	7.20	130	67661	46.415	ug/l	84
45) 1,2-Dichloropropane	7.51	63	66104	47.340	ug/l	100
46) Dibromomethane	7.65	93	40050	49.132	ug/l #	74
47) Bromodichloromethane	7.89	83	98666	47.619	ug/l	99
48) Methyl methacrylate	7.76	41	52171	49.845	ug/l	96
49) 1,4-Dioxane	7.73	88	14185	994.165	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	270796	255.758	ug/l	96
52) Toluene	8.78	92	165825	47.156	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	97904	45.640	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	108728	45.580	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	54976	47.174	ug/l	97
56) Ethyl methacrylate	9.17	69	79363	47.543	ug/l	93
57) 1,3-Dichloropropane	9.37	76	96619	48.045	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	189219	251.430	ug/l	94
59) 2-Hexanone	9.48	43	188068	243.428	ug/l	96
60) Dibromochloromethane	9.57	129	65782	47.362	ug/l	98
61) 1,2-Dibromoethane	9.67	107	54497	48.394	ug/l	98
64) Tetrachloroethene	9.33	164	62155	49.671	ug/l #	87
65) Chlorobenzene	10.14	112	179599	45.350	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	66929	46.220	ug/l	97
67) Ethyl Benzene	10.25	91	325509	45.092	ug/l	96
68) m/p-Xylenes	10.35	106	240600	90.462	ug/l	90
69) o-Xylene	10.70	106	115865	44.925	ug/l	87
70) Styrene	10.71	104	206708	46.144	ug/l	95
71) Bromoform	10.85	173	36784	46.249	ug/l #	97
73) Isopropylbenzene	11.01	105	316545	43.794	ug/l	95
74) N-amyl acetate	10.89	43	98649	46.160	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.26	83	68420	45.406	ug/l	96
76) 1,2,3-Trichloropropane	11.29	75	75828	62.997	ug/l	78
77) Bromobenzene	11.25	156	72296	44.722	ug/l #	68
78) n-propylbenzene	11.35	91	372596	42.669	ug/l	95
79) 2-Chlorotoluene	11.42	91	237371	44.869	ug/l	91
80) 1,3,5-Trimethylbenzene	11.50	105	285531	45.077	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.07	75	20321	39.913	ug/l	93
82) 4-Chlorotoluene	11.51	91	286906	45.501	ug/l	90
83) tert-Butylbenzene	11.77	119	260996	43.231	ug/l	88
84) 1,2,4-Trimethylbenzene	11.81	105	286300	43.977	ug/l	96
85) sec-Butylbenzene	11.94	105	318993	42.539	ug/l	94
86) p-Isopropyltoluene	12.06	119	289529	42.455	ug/l	93
87) 1,3-Dichlorobenzene	12.02	146	143577	44.324	ug/l	93
88) 1,4-Dichlorobenzene	12.09	146	145436	44.903	ug/l	94
89) n-Butylbenzene	12.38	91	282512	42.645	ug/l	96
90) Hexachloroethane	12.59	117	56627	41.586	ug/l	59
91) 1,2-Dichlorobenzene	12.38	146	135809	46.552	ug/l	92
92) 1,2-Dibromo-3-Chloropropan	12.99	75	14413	45.708	ug/l	66

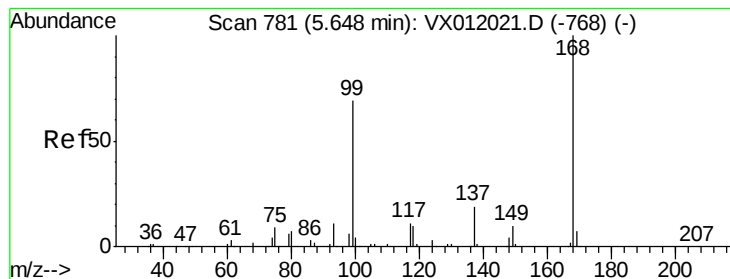
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090519\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	92984	44.780	ug/l	95
94) Hexachlorobutadiene	13.78	225	49053	46.864	ug/l	97
95) Naphthalene	13.83	128	205824	45.799	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	82735	45.289	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX012116.D

Acq: 05 Sep 2019 22:17

Instrument :

MSVOA_X

ClientSampleId :

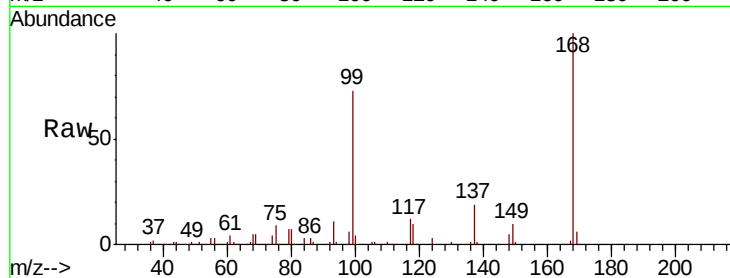
VSTDCCC050EC

Tgt Ion:168 Resp: 112015

Ion Ratio Lower Upper

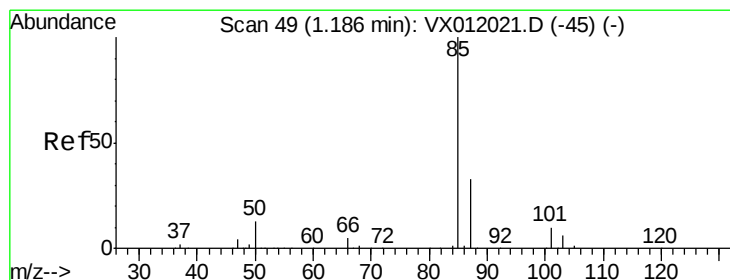
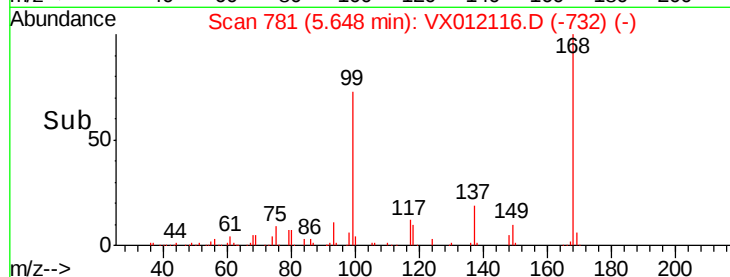
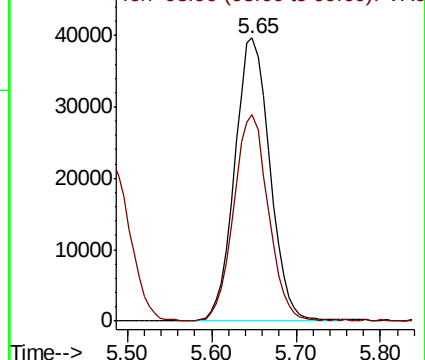
168 100

99 72.7 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 43.234 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.00 min

Lab File: VX012116.D

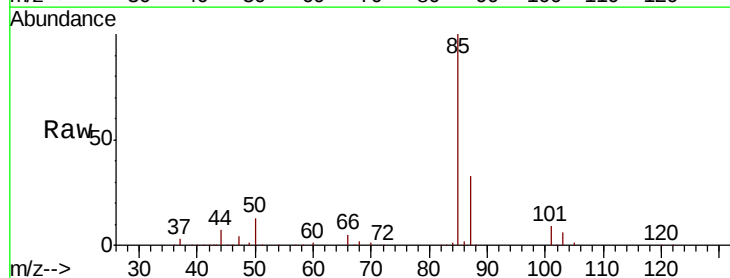
Acq: 05 Sep 2019 22:17

Tgt Ion: 85 Resp: 44659

Ion Ratio Lower Upper

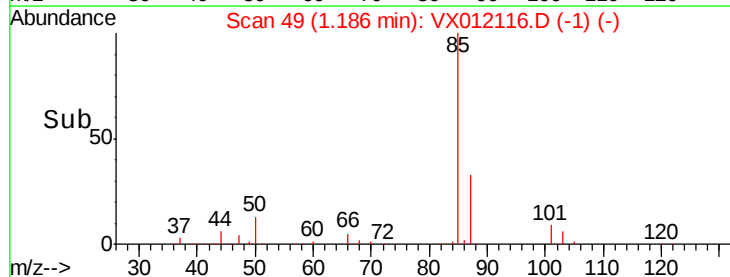
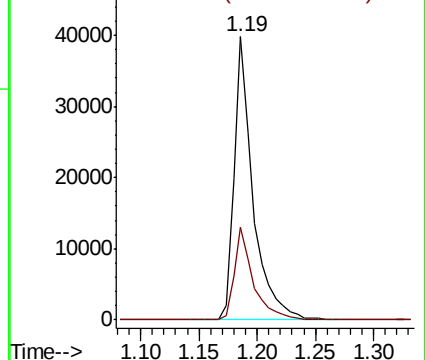
85 100

87 32.7 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 50.242 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX012116.D

Acq: 05 Sep 2019 22:17

Instrument :

MSVOA_X

ClientSampleId :

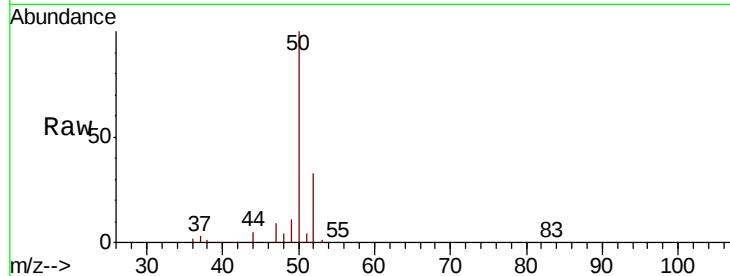
VSTDCCC050EC

Tgt Ion: 50 Resp: 53150

Ion Ratio Lower Upper

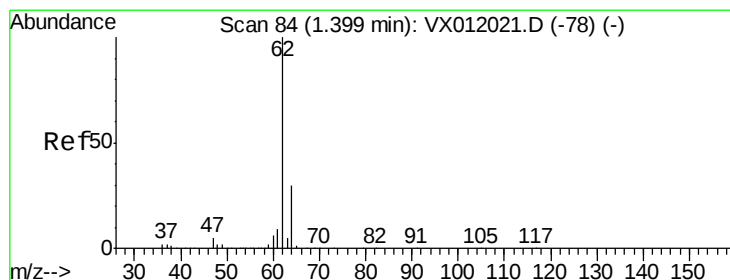
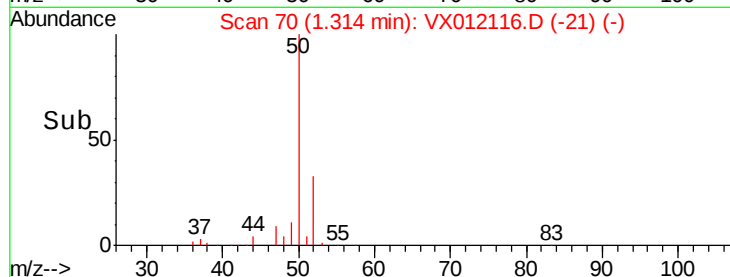
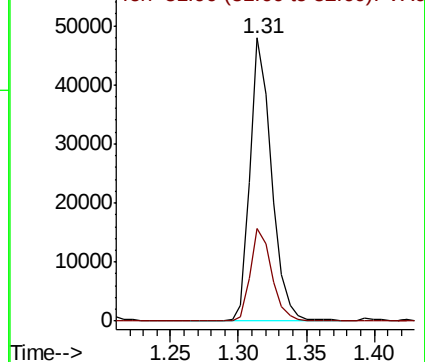
50 100

52 32.6 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 48.637 ug/l

RT: 1.39 min Scan# 83

Delta R.T. -0.00 min

Lab File: VX012116.D

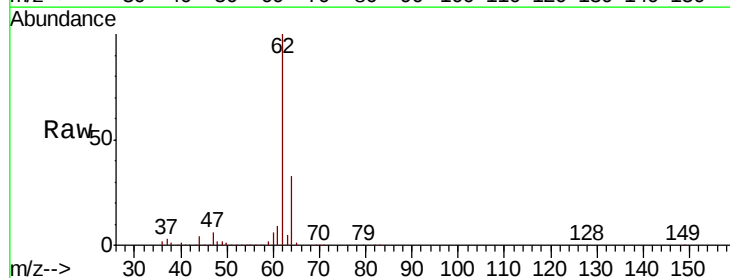
Acq: 05 Sep 2019 22:17

Tgt Ion: 62 Resp: 48408

Ion Ratio Lower Upper

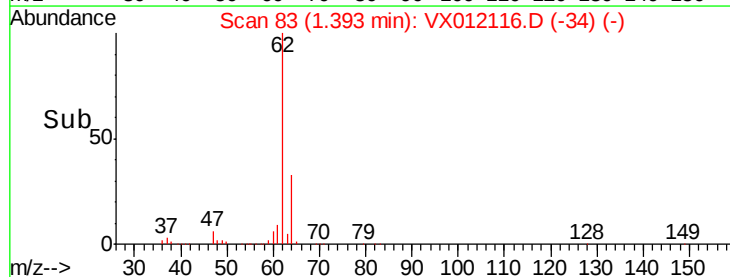
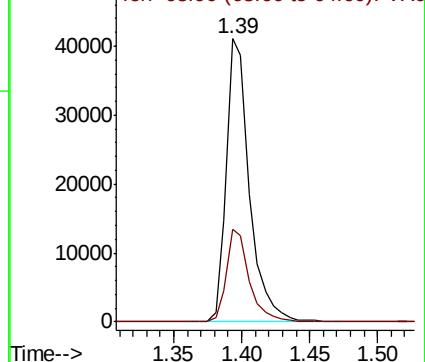
62 100

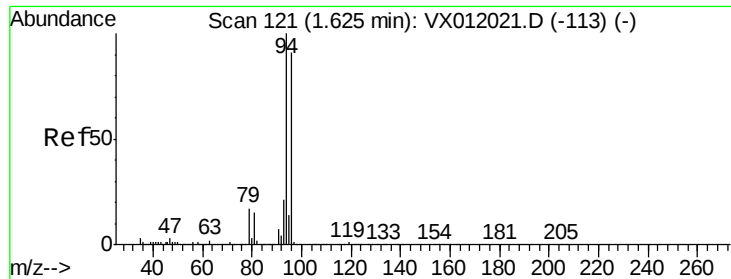
64 32.5 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 57.830 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX012116.D

Acq: 05 Sep 2019 22:17

Instrument :

MSVOA_X

ClientSampleId :

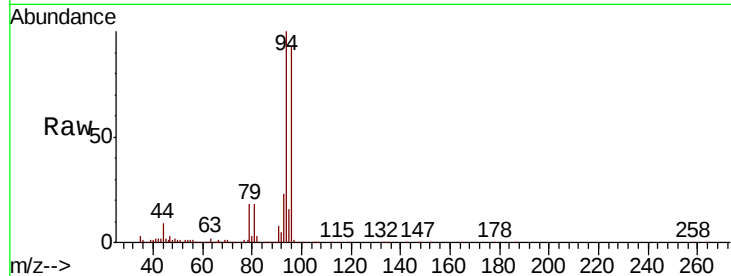
VSTDCCC050EC

Tgt Ion: 94 Resp: 28553

Ion Ratio Lower Upper

94 100

96 92.4 76.3 114.5



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.62

25000

20000

15000

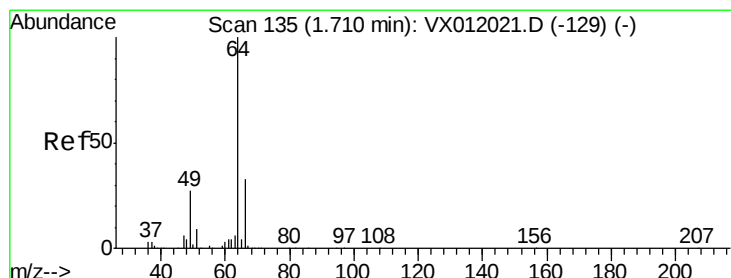
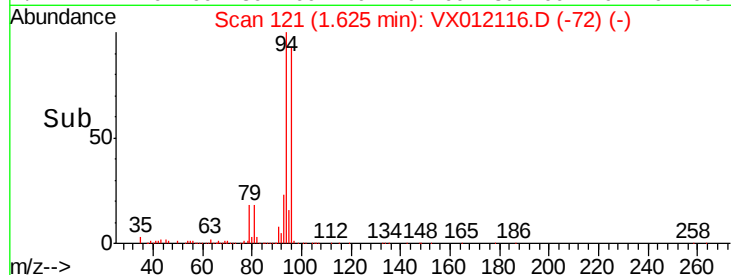
10000

5000

0

Time-->

1.60 1.65



#6

Chloroethane

Concen: 50.592 ug/l

RT: 1.71 min Scan# 135

Delta R.T. -0.00 min

Lab File: VX012116.D

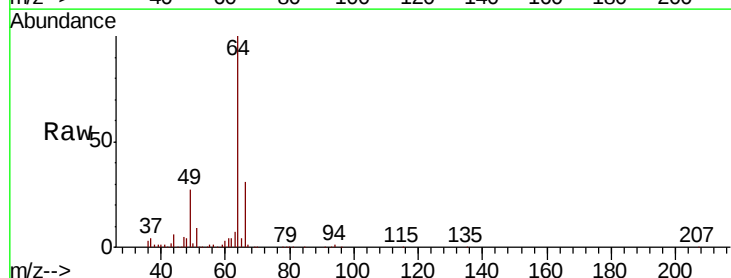
Acq: 05 Sep 2019 22:17

Tgt Ion: 64 Resp: 31303

Ion Ratio Lower Upper

64 100

66 30.9 26.3 39.5



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

25000

20000

15000

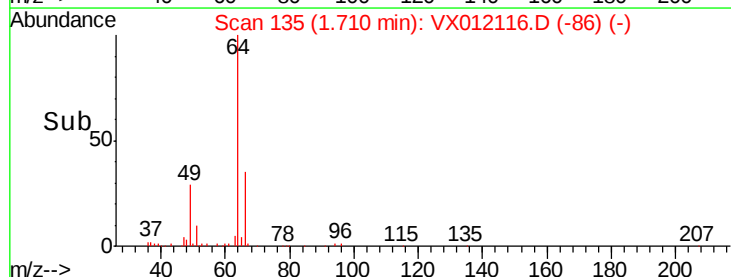
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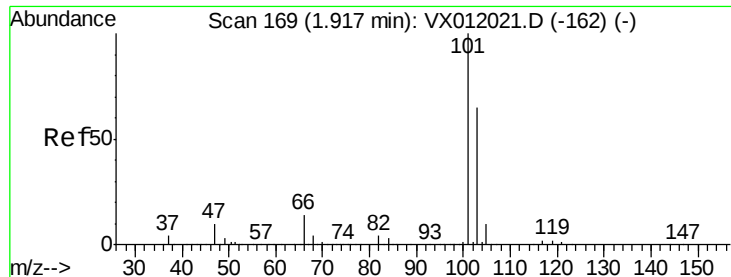
5000

0

Time-->

1.60 1.70 1.80 1.90



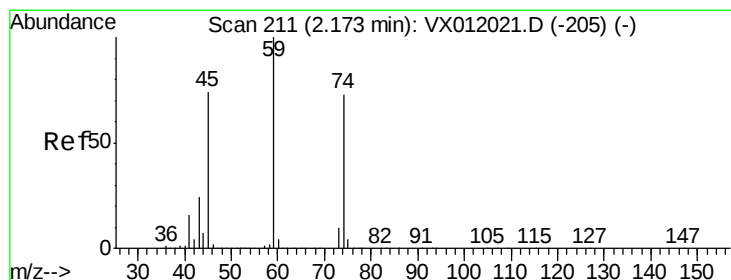
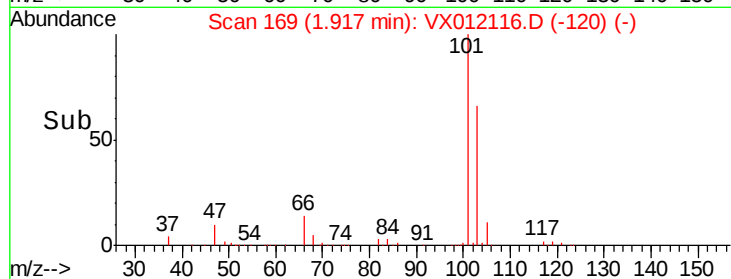
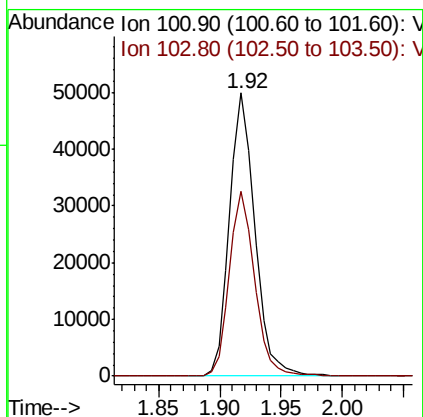
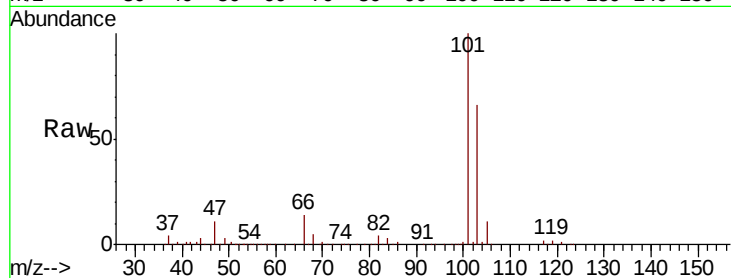


#7

Trichlorofluoromethane
 Concen: 46.489 ug/l
 RT: 1.92 min Scan# 169
 Delta R.T. -0.00 min
 Lab File: VX012116.D
 Acq: 05 Sep 2019 22:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

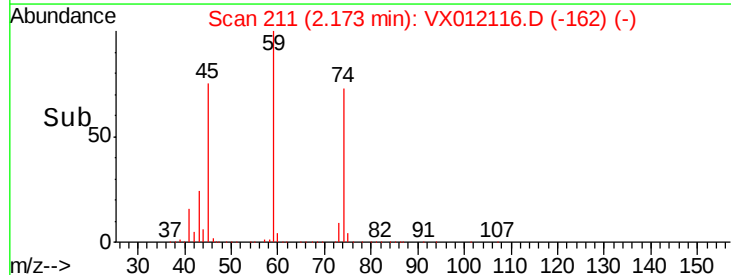
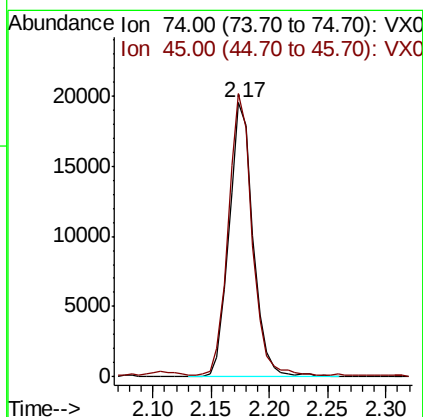
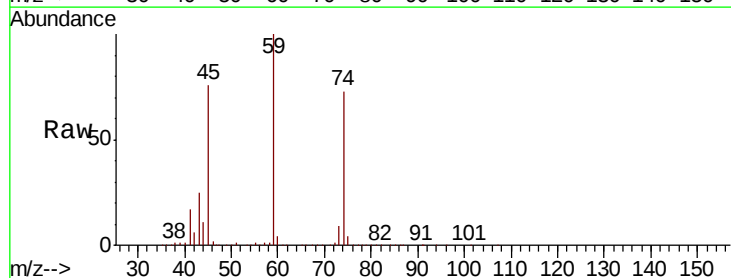
Tgt Ion:101 Resp: 71867
 Ion Ratio Lower Upper
 101 100
 103 65.5 51.6 77.4

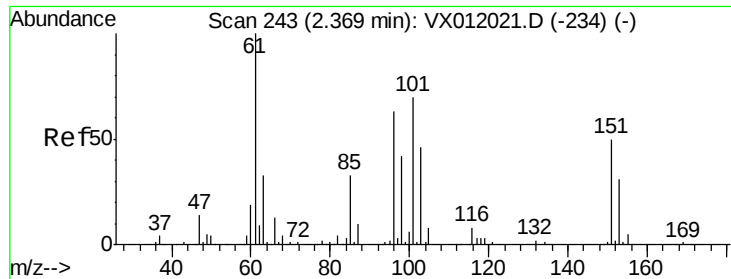


#8

Diethyl Ether
 Concen: 52.415 ug/l
 RT: 2.17 min Scan# 211
 Delta R.T. -0.00 min
 Lab File: VX012116.D
 Acq: 05 Sep 2019 22:17

Tgt Ion: 74 Resp: 28001
 Ion Ratio Lower Upper
 74 100
 45 101.0 45.9 137.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.089 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.00 min

Lab File: VX012116.D

Acq: 05 Sep 2019 22:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

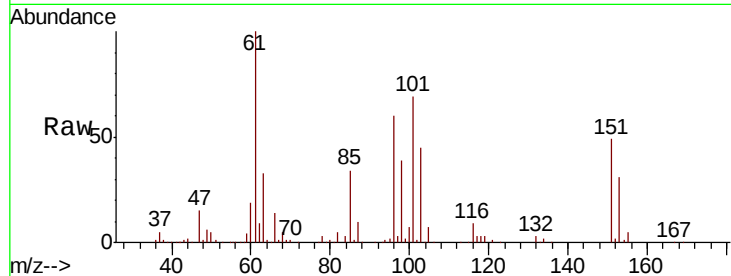
Tgt Ion:101 Resp: 50482

Ion Ratio Lower Upper

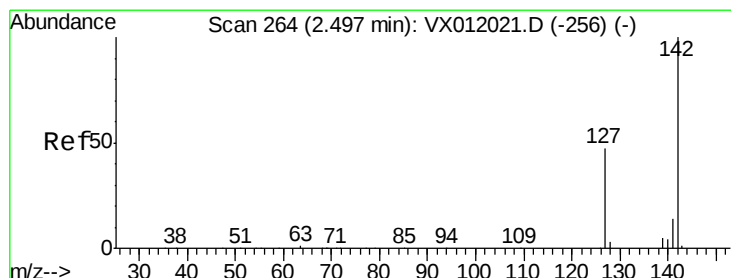
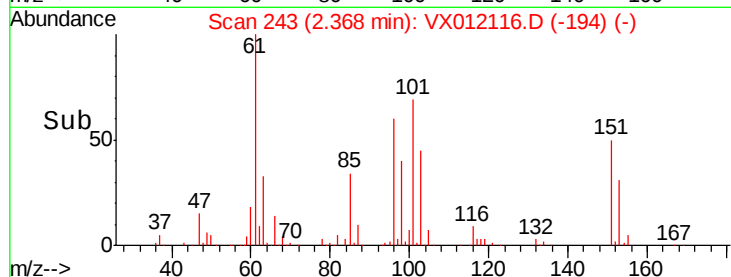
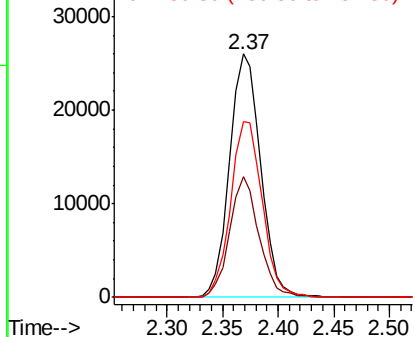
101 100

85 46.8 34.5 51.7

151 72.8 75.0 112.4#



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 33.688 ug/l

RT: 2.50 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX012116.D

Acq: 05 Sep 2019 22:17

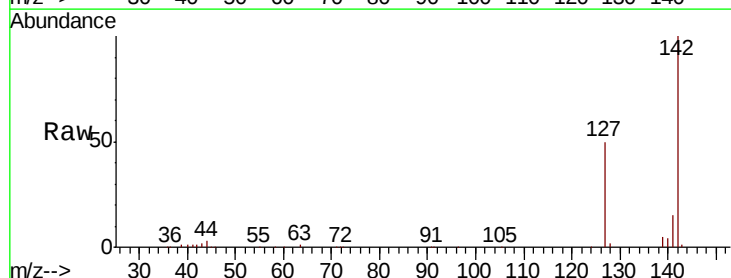
Tgt Ion:142 Resp: 35980

Ion Ratio Lower Upper

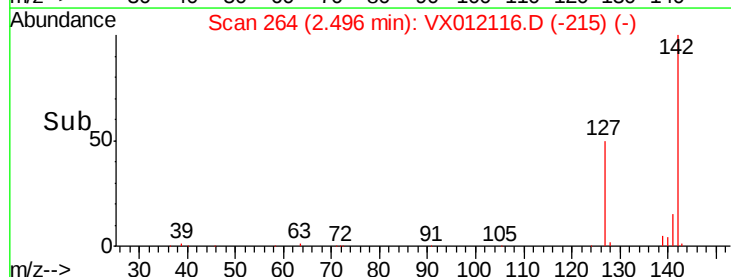
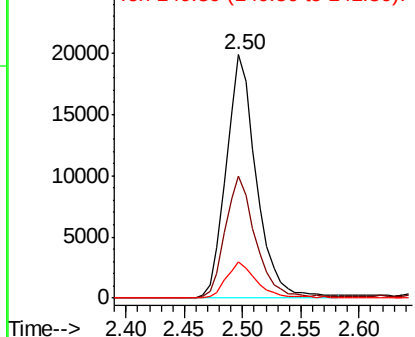
142 100

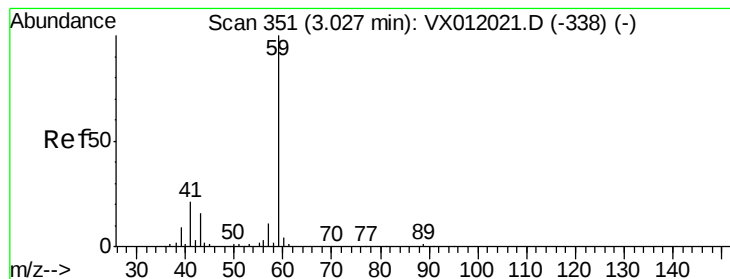
127 50.6 35.4 53.2

141 15.0 11.4 17.2



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



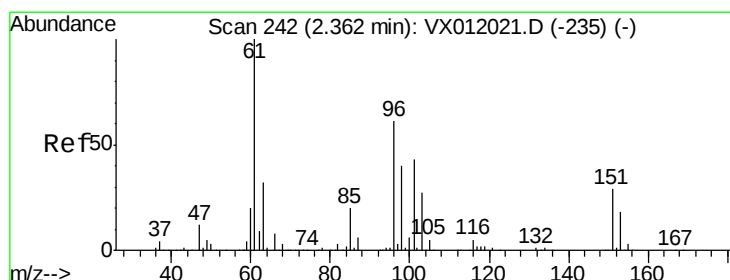
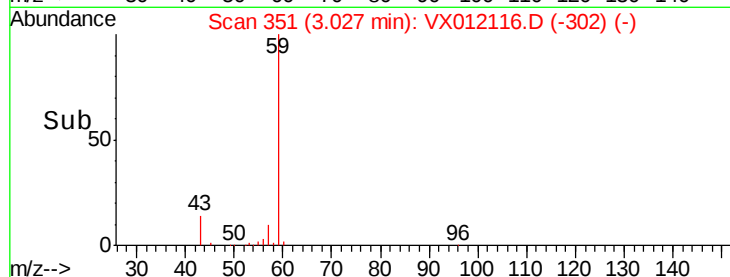
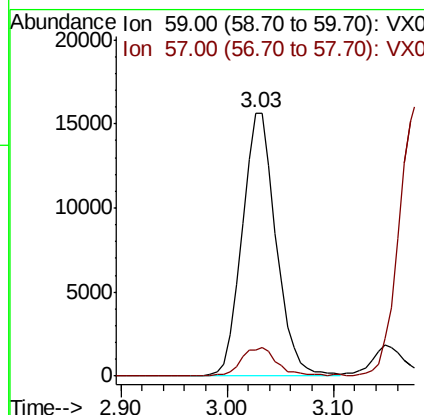
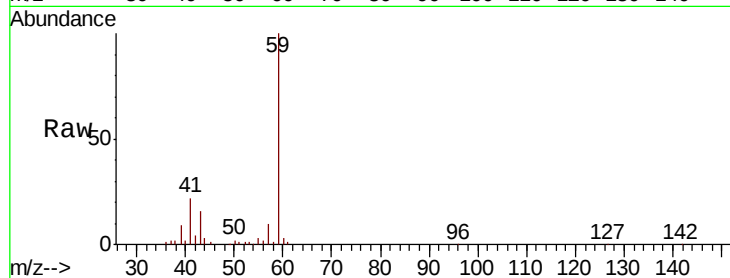


#11

Tert butyl alcohol
 Concen: 235.784 ug/l
 RT: 3.03 min Scan# 351
 Delta R.T. -0.00 min
 Lab File: VX012116.D
 Acq: 05 Sep 2019 22:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

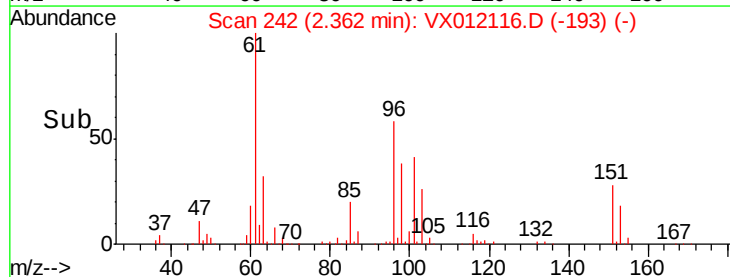
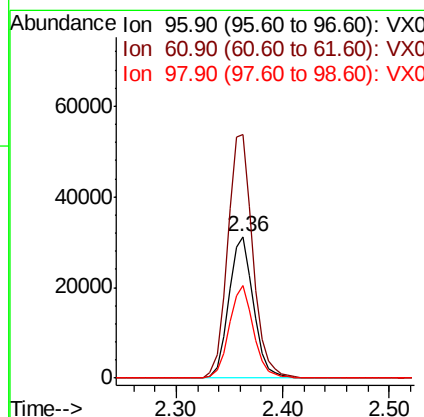
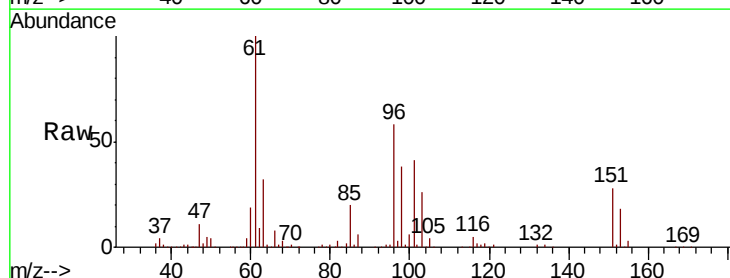
Tgt Ion: 59 Resp: 35003
 Ion Ratio Lower Upper
 59 100
 57 11.5 7.9 11.9

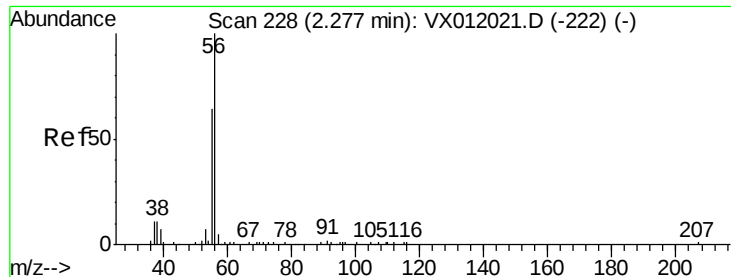


#12

1,1-Dichloroethene
 Concen: 45.866 ug/l
 RT: 2.36 min Scan# 242
 Delta R.T. -0.00 min
 Lab File: VX012116.D
 Acq: 05 Sep 2019 22:17

Tgt Ion: 96 Resp: 50590
 Ion Ratio Lower Upper
 96 100
 61 172.3 124.1 186.1
 98 65.2 50.2 75.2





#13

Acrolein

Concen: 226.148 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.01 min

Lab File: VX012116.D

Acq: 05 Sep 2019 22:17

Instrument :

MSVOA_X

ClientSampleId :

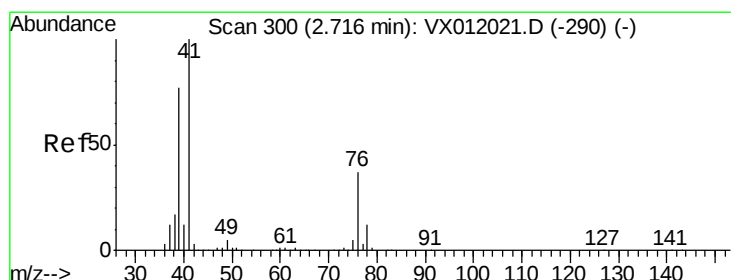
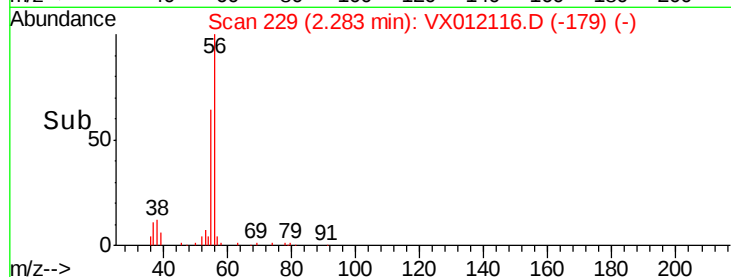
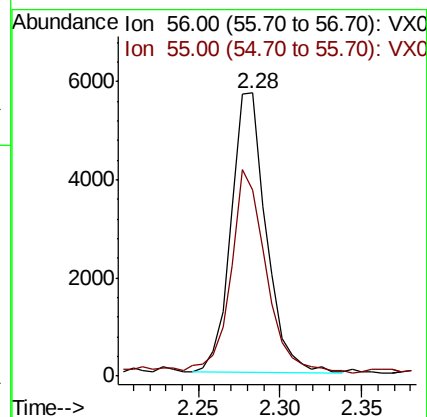
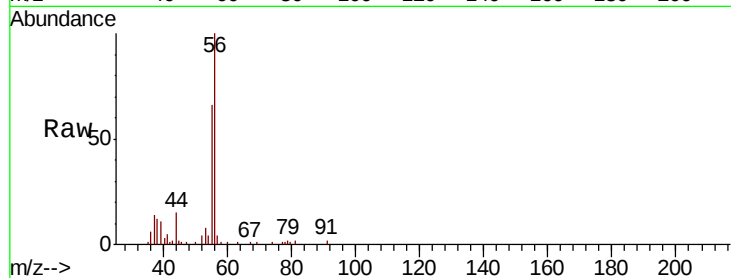
VSTDCCC050EC

Tgt Ion: 56 Resp: 8551

Ion Ratio Lower Upper

56 100

55 72.8 59.2 88.8



#14

Allyl chloride

Concen: 50.287 ug/l

RT: 2.72 min Scan# 300

Delta R.T. -0.00 min

Lab File: VX012116.D

Acq: 05 Sep 2019 22:17

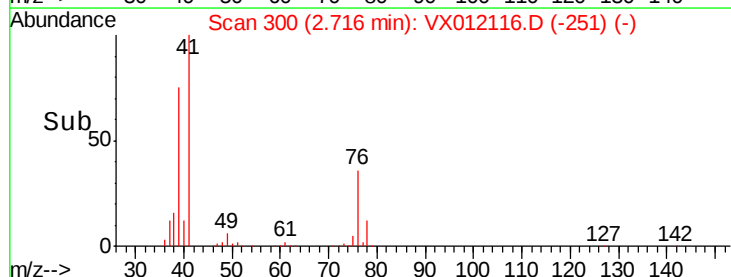
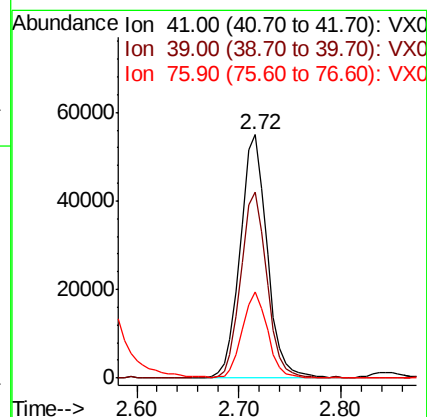
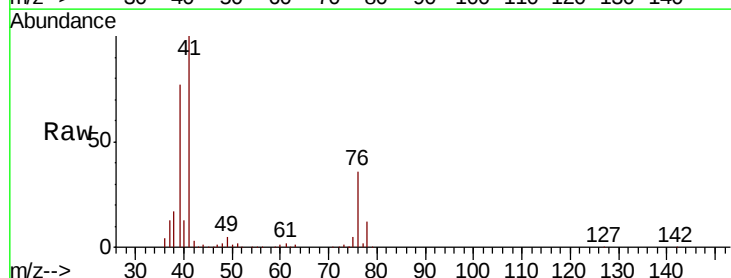
Tgt Ion: 41 Resp: 100364

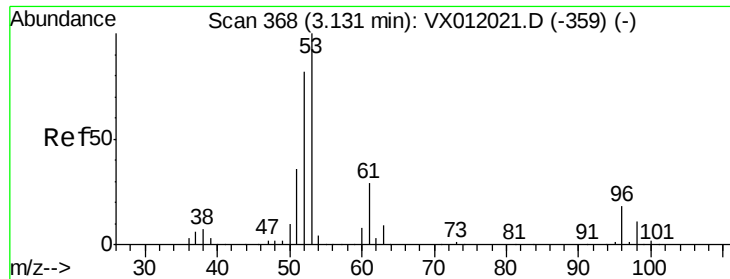
Ion Ratio Lower Upper

41 100

39 73.6 57.9 86.9

76 33.7 28.5 42.7





#15

Acrylonitrile

Concen: 251.268 ug/l

RT: 3.12 min Scan# 367

Delta R.T. -0.00 min

Lab File: VX012116.D

Acq: 05 Sep 2019 22:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

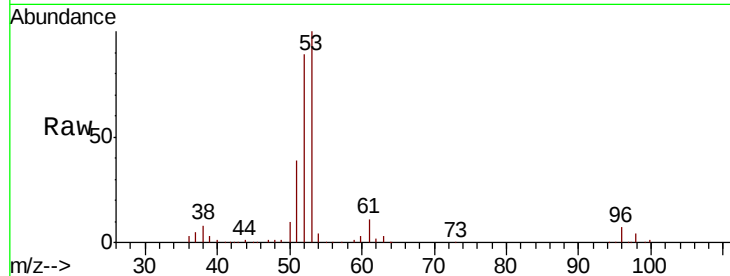
Tgt Ion: 53 Resp: 84349

Ion Ratio Lower Upper

53 100

52 82.8 65.6 98.4

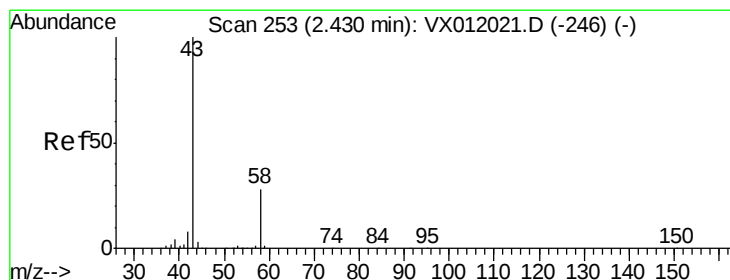
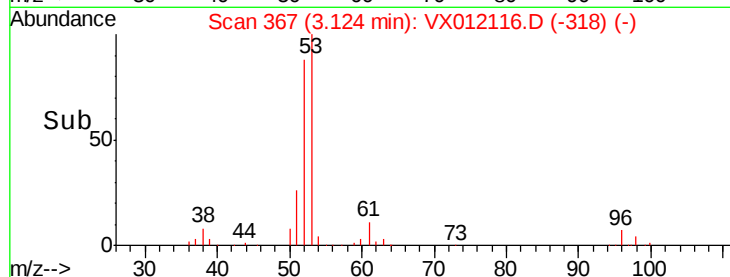
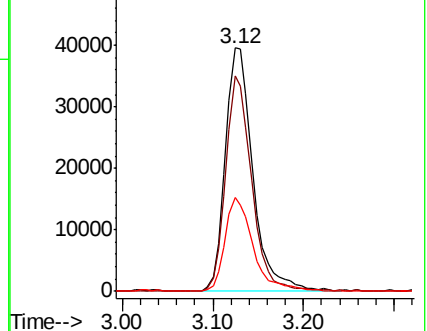
51 38.8 29.8 44.6



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 203.266 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012116.D

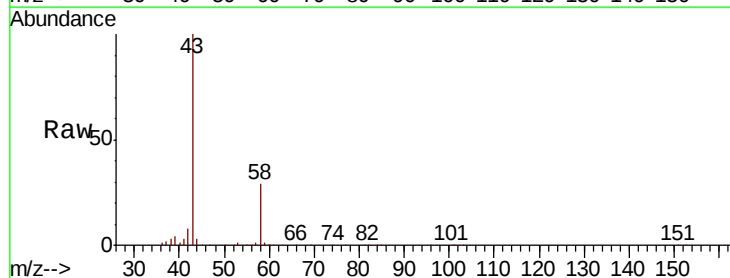
Acq: 05 Sep 2019 22:17

Tgt Ion: 43 Resp: 75092

Ion Ratio Lower Upper

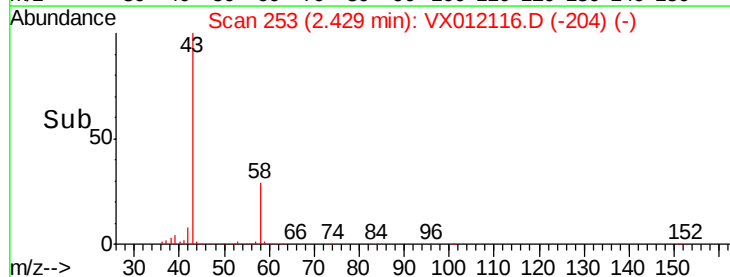
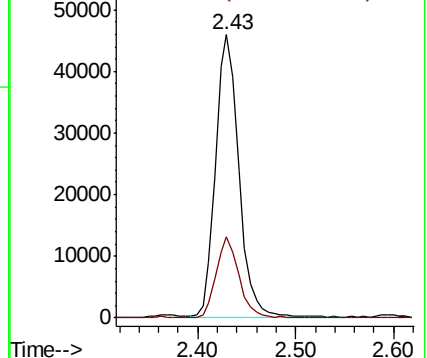
43 100

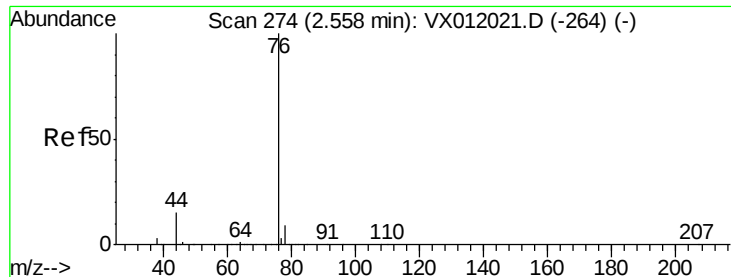
58 28.8 22.8 34.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

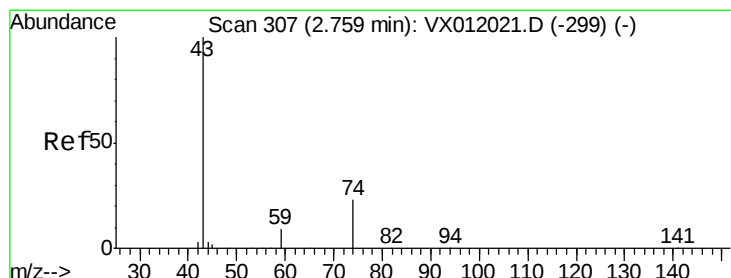
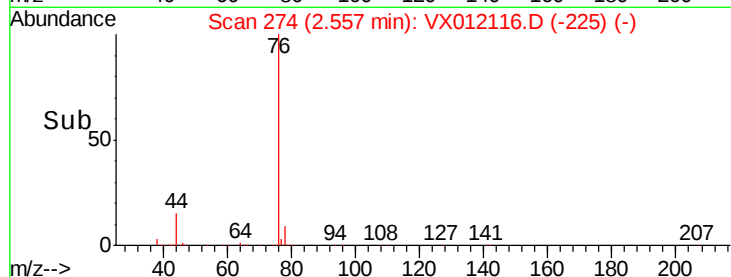
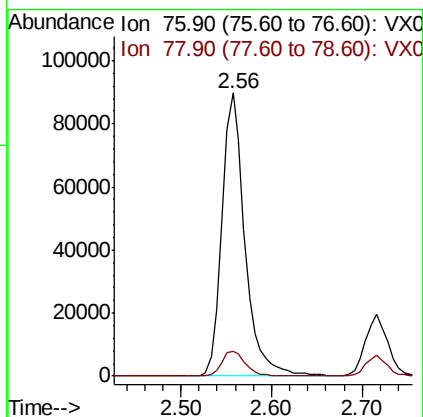
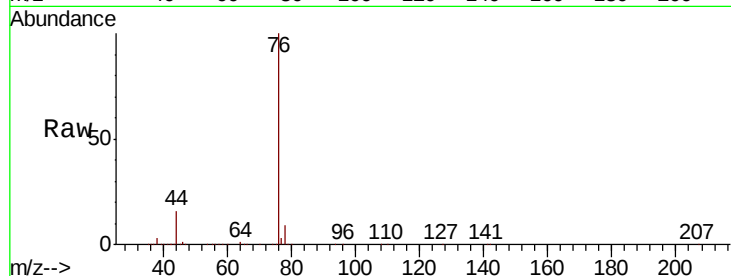




#17
Carbon Disulfide
Concen: 49.335 ug/l
RT: 2.56 min Scan# 274
Delta R.T. -0.00 min
Lab File: VX012116.D
Acq: 05 Sep 2019 22:17

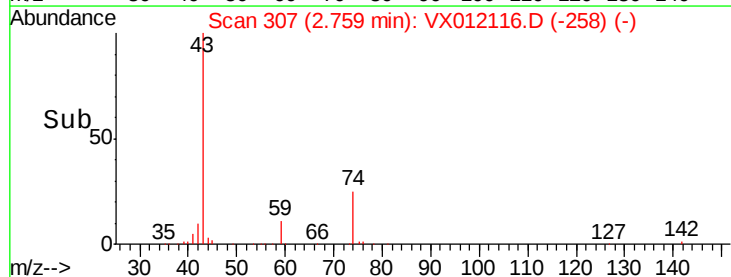
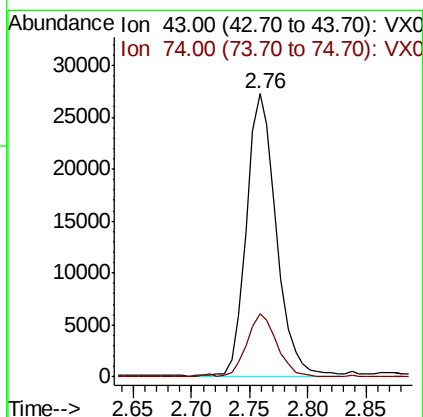
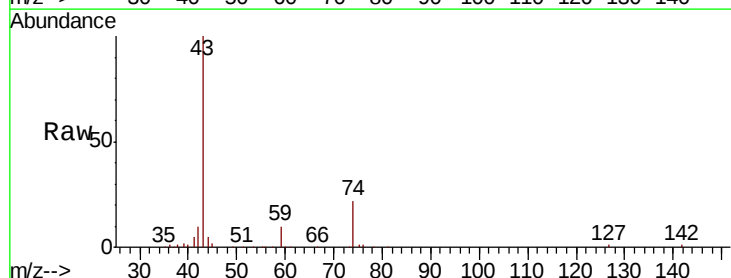
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

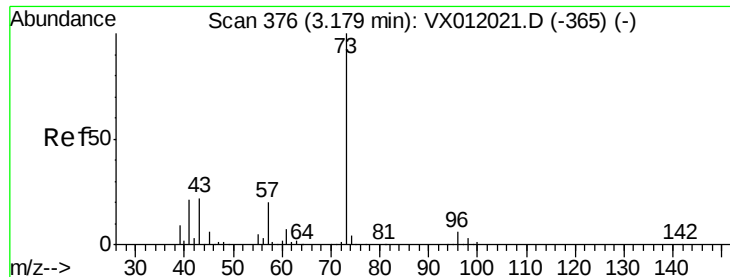
Tgt Ion: 76 Resp: 159034
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.2



#18
Methyl Acetate
Concen: 55.805 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.00 min
Lab File: VX012116.D
Acq: 05 Sep 2019 22:17

Tgt Ion: 43 Resp: 48566
Ion Ratio Lower Upper
43 100
74 21.9 19.5 29.3

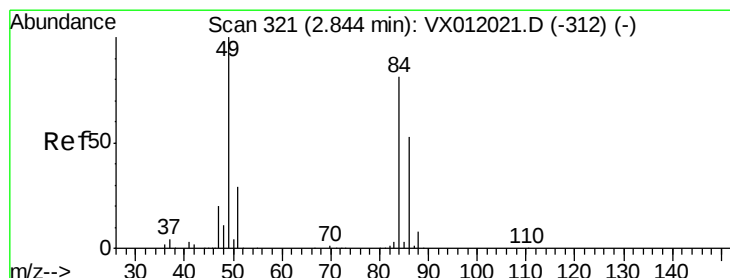
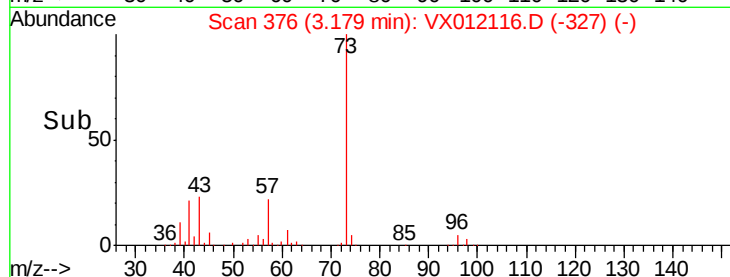
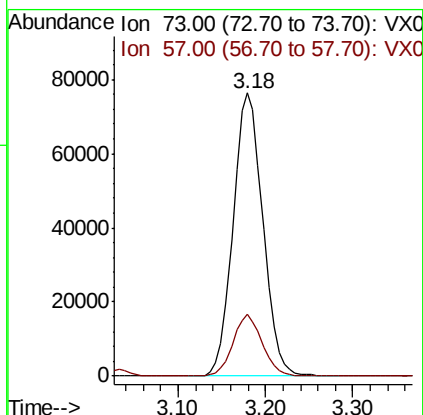
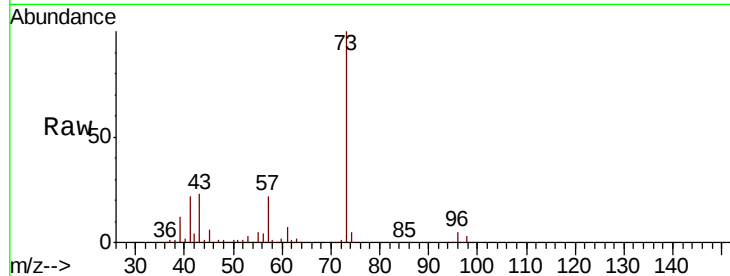




#19
Methyl tert-butyl Ether
Concen: 50.254 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.00 min
Lab File: VX012116.D
Acq: 05 Sep 2019 22:17

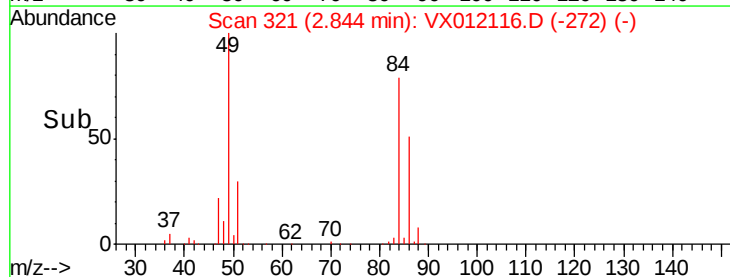
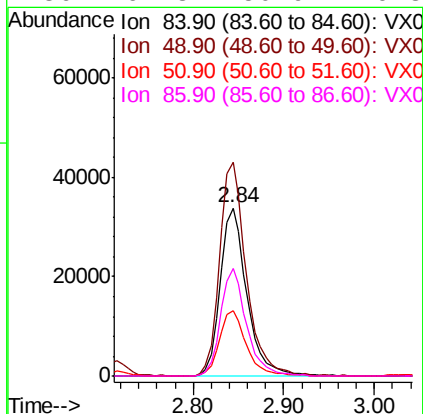
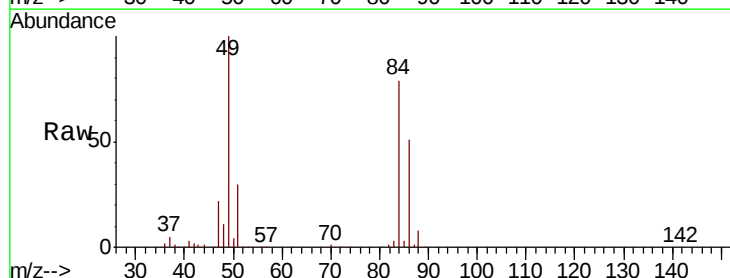
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

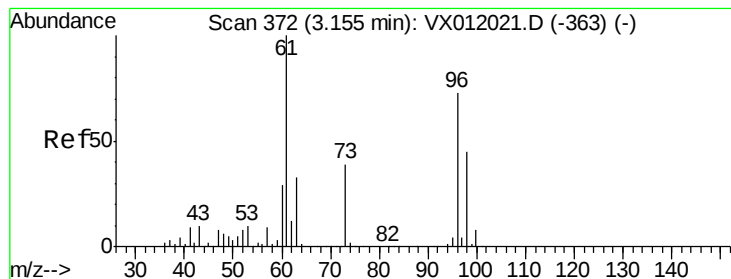
Tgt Ion: 73 Resp: 180460
Ion Ratio Lower Upper
73 100
57 22.0 16.6 25.0



#20
Methylene Chloride
Concen: 46.521 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX012116.D
Acq: 05 Sep 2019 22:17

Tgt Ion: 84 Resp: 69014
Ion Ratio Lower Upper
84 100
49 127.2 95.8 143.8
51 38.5 28.6 43.0
86 64.3 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 48.688 ug/l

RT: 3.15 min Scan# 372

Delta R.T. 0.01 min

Lab File: VX012116.D

Acq: 05 Sep 2019 22:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

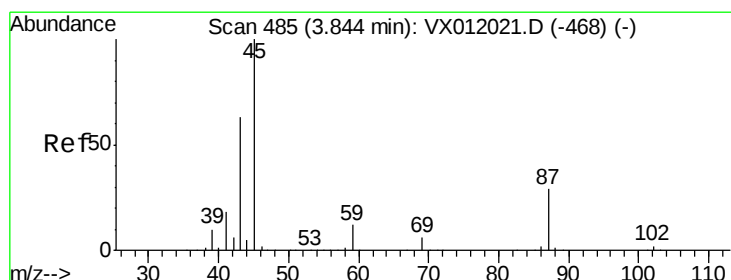
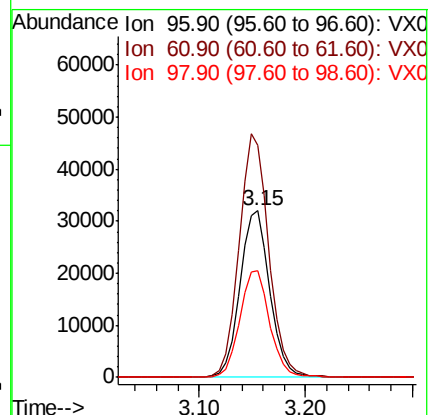
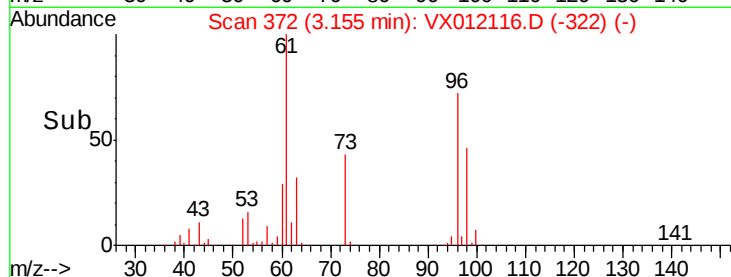
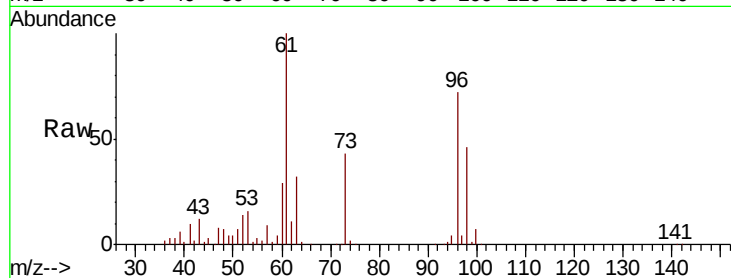
Tgt Ion: 96 Resp: 63019

Ion Ratio Lower Upper

96 100

61 139.0 107.0 160.6

98 64.1 49.8 74.6



#22

Diisopropyl ether

Concen: 50.327 ug/l

RT: 3.84 min Scan# 484

Delta R.T. -0.00 min

Lab File: VX012116.D

Acq: 05 Sep 2019 22:17

Tgt Ion: 45 Resp: 204733

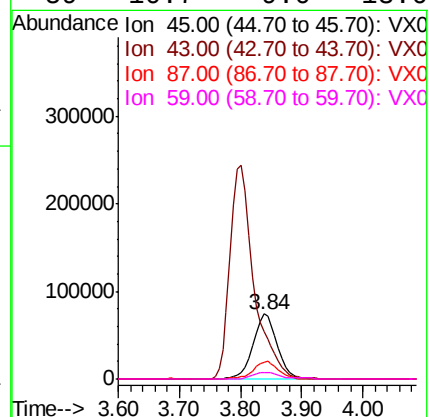
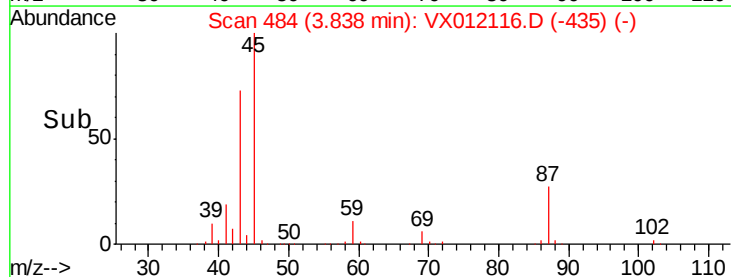
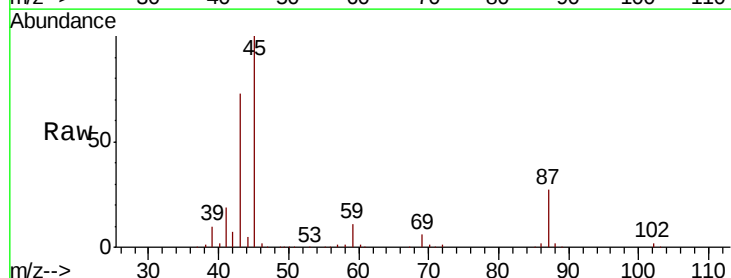
Ion Ratio Lower Upper

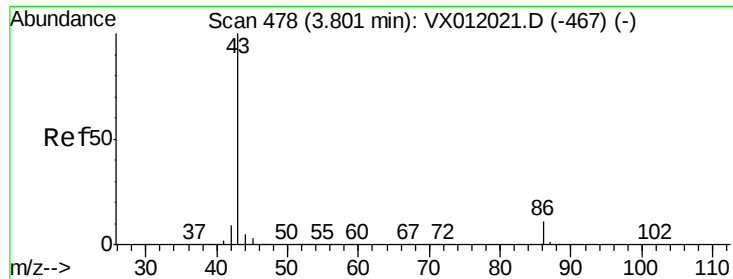
45 100

43 72.5 54.2 81.4

87 26.4 23.4 35.0

59 10.7 9.0 13.6





#23

Vinyl Acetate

Concen: 252.307 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.00 min

Lab File: VX012116.D

Acq: 05 Sep 2019 22:17

Instrument :

MSVOA_X

ClientSampleId :

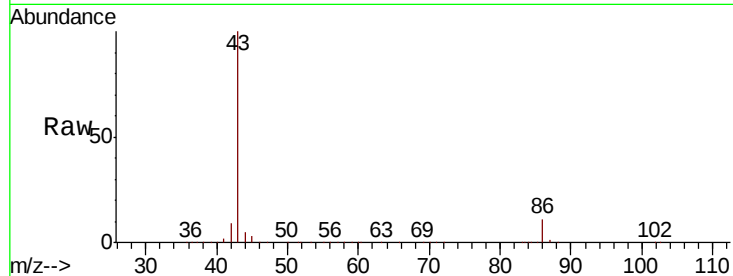
VSTDCCC050EC

Tgt Ion: 43 Resp: 663965

Ion Ratio Lower Upper

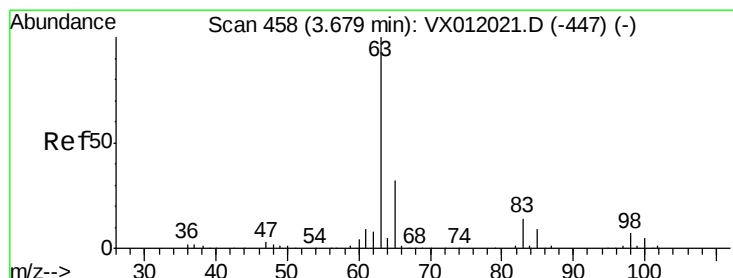
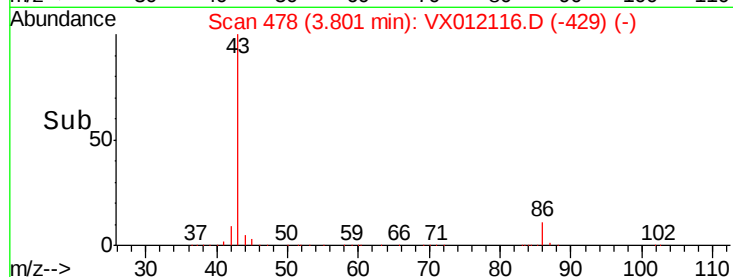
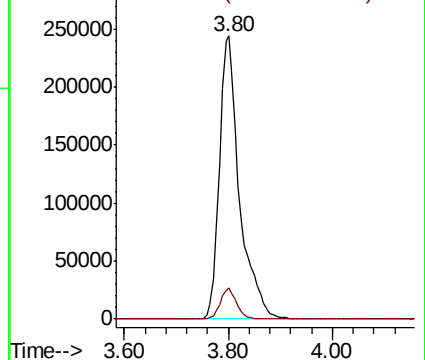
43 100

86 10.9 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 49.378 ug/l

RT: 3.68 min Scan# 458

Delta R.T. -0.00 min

Lab File: VX012116.D

Acq: 05 Sep 2019 22:17

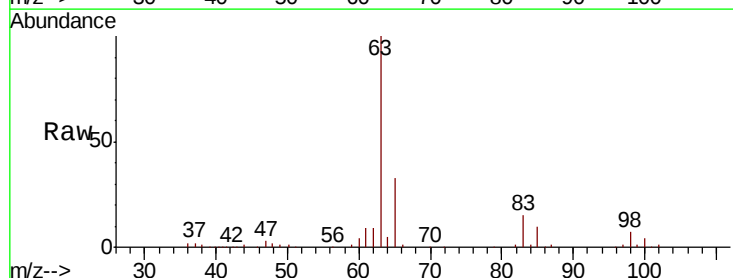
Tgt Ion: 63 Resp: 116501

Ion Ratio Lower Upper

63 100

98 7.4 3.9 11.7

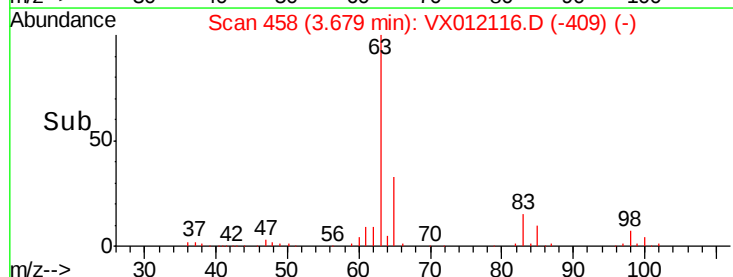
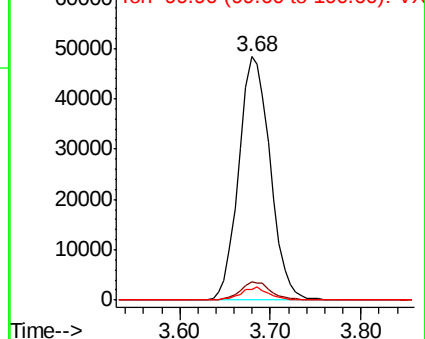
100 4.2 2.5 7.4

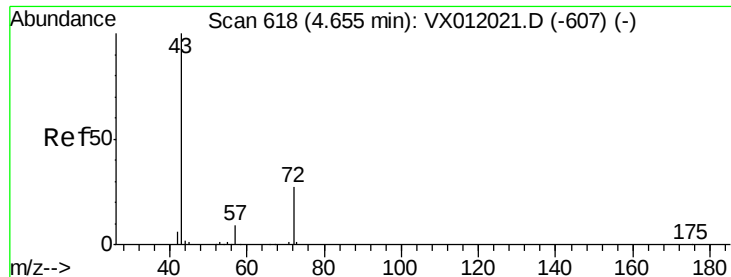


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 249.971 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.00 min

Lab File: VX012116.D

Acq: 05 Sep 2019 22:17

Instrument :

MSVOA_X

ClientSampleId :

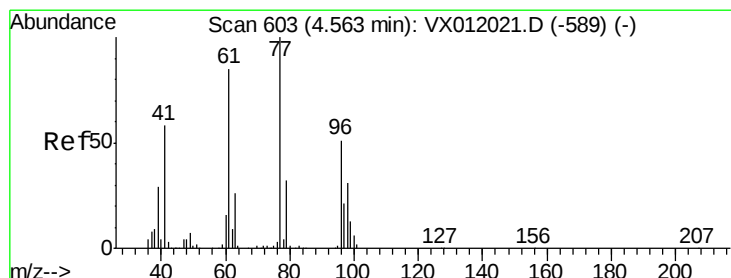
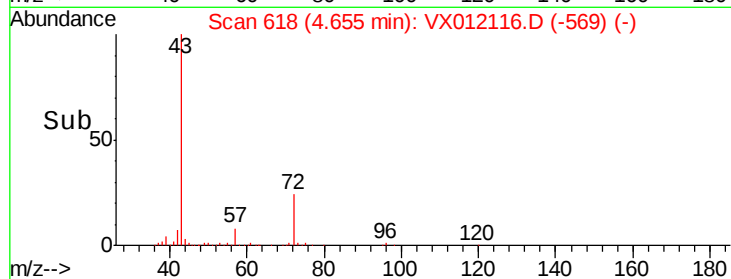
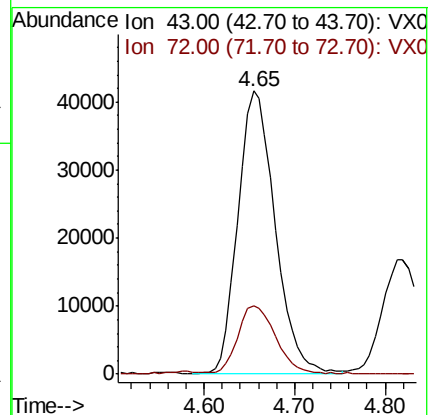
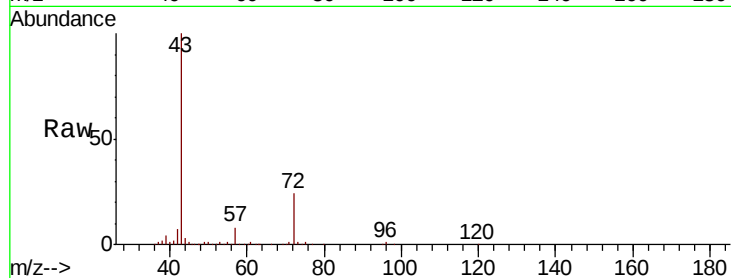
VSTDCCC050EC

Tgt Ion: 43 Resp: 117550

Ion Ratio Lower Upper

43 100

72 23.8 21.3 31.9



#26

2,2-Dichloropropane

Concen: 41.683 ug/l

RT: 4.56 min Scan# 603

Delta R.T. -0.01 min

Lab File: VX012116.D

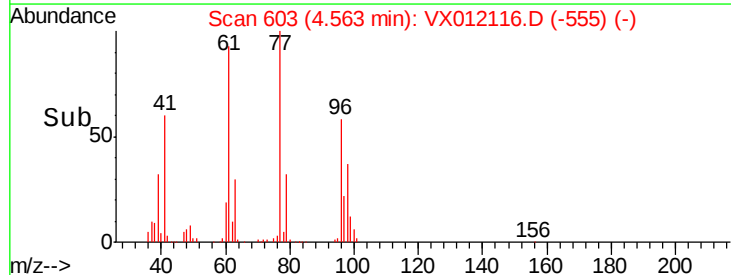
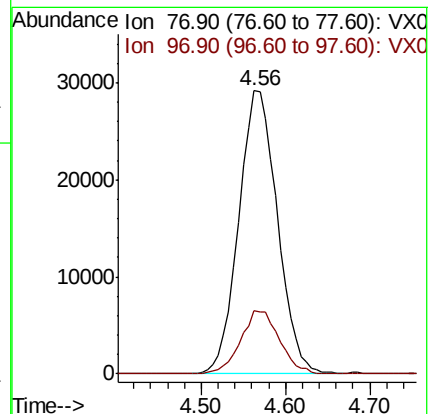
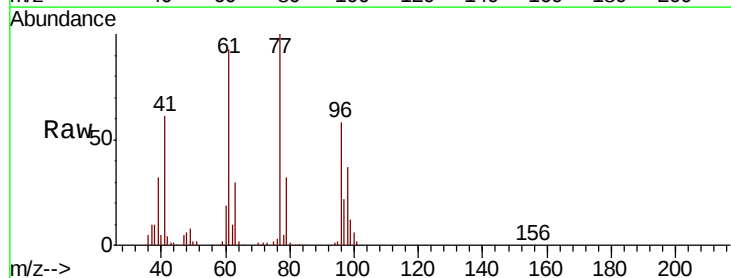
Acq: 05 Sep 2019 22:17

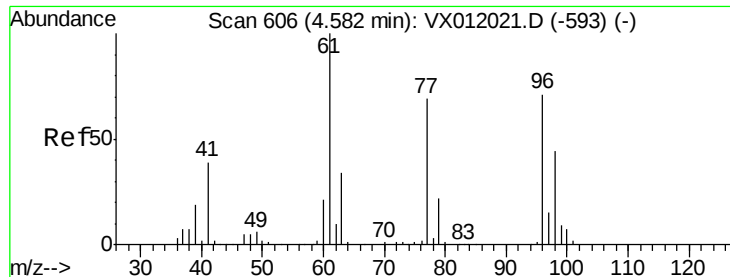
Tgt Ion: 77 Resp: 90798

Ion Ratio Lower Upper

77 100

97 22.3 11.5 34.5



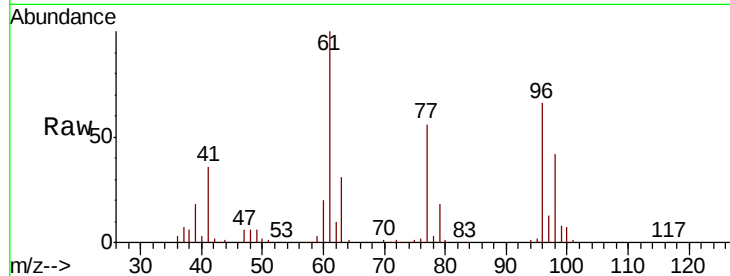


#27

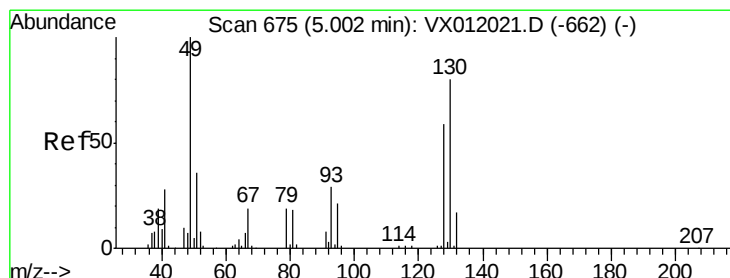
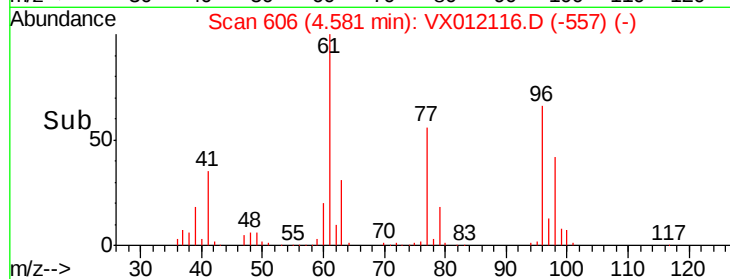
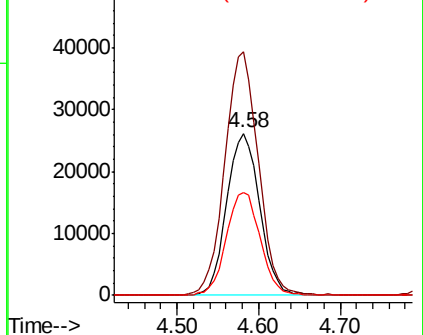
cis-1,2-Dichloroethene
 Concen: 48.463 ug/l
 RT: 4.58 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VX012116.D
 Acq: 05 Sep 2019 22:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 96 Resp: 73530
 Ion Ratio Lower Upper
 96 100
 61 151.7 0.0 277.0
 98 64.9 0.0 128.4



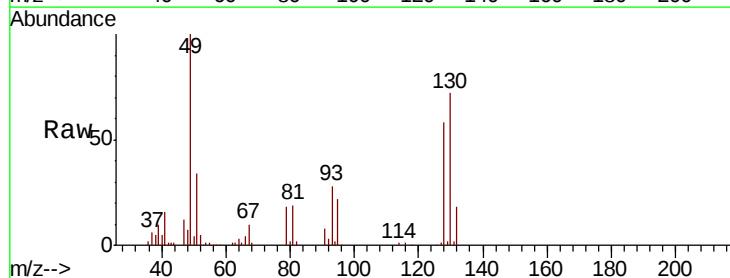
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



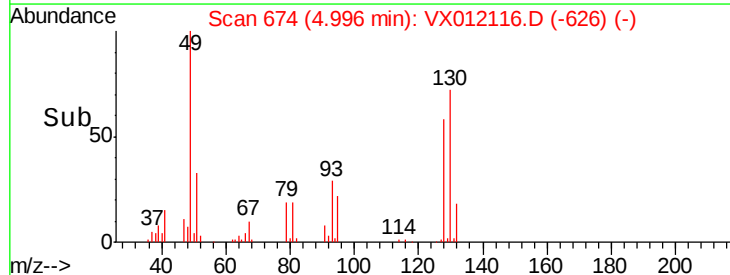
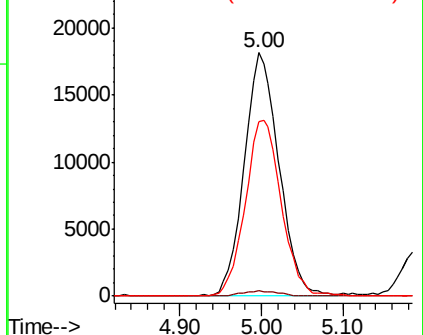
#28

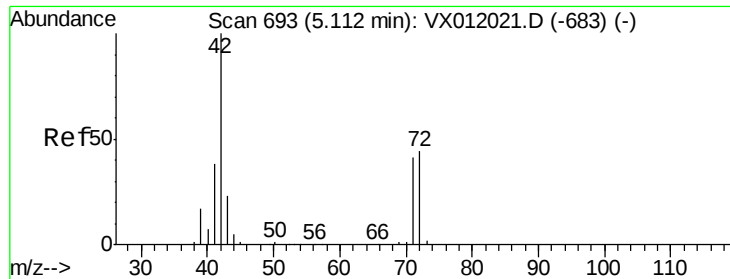
Bromochloromethane
 Concen: 57.136 ug/l
 RT: 5.00 min Scan# 674
 Delta R.T. -0.01 min
 Lab File: VX012116.D
 Acq: 05 Sep 2019 22:17

Tgt Ion: 49 Resp: 53811
 Ion Ratio Lower Upper
 49 100
 129 2.1 0.0 5.6
 130 74.9 76.7 115.1#



Abundance Ion 48.90 (48.60 to 49.60): VX0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V

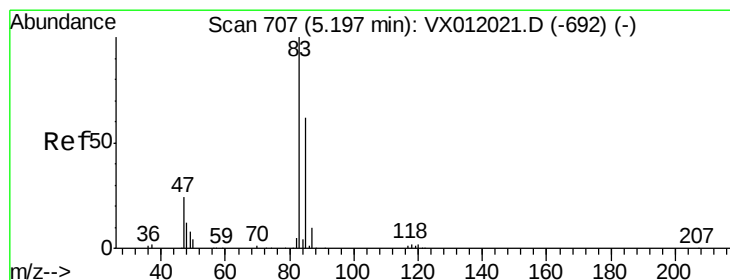
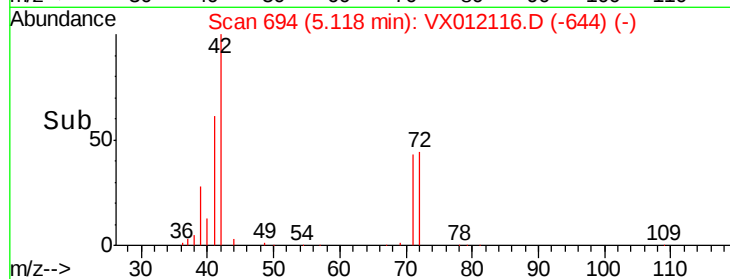
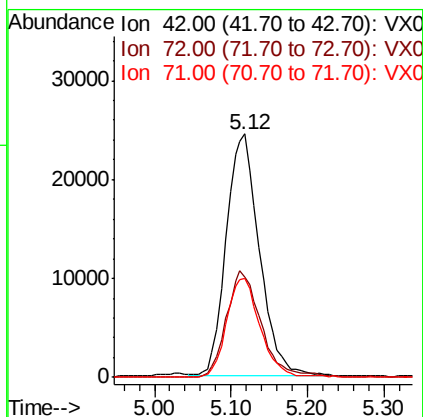
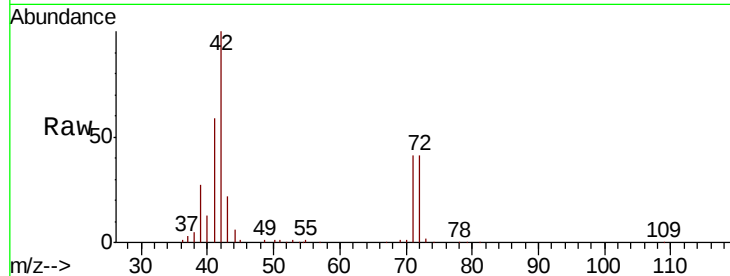




#29
Tetrahydrofuran
Concen: 258.732 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.01 min
Lab File: VX012116.D
Acq: 05 Sep 2019 22:17

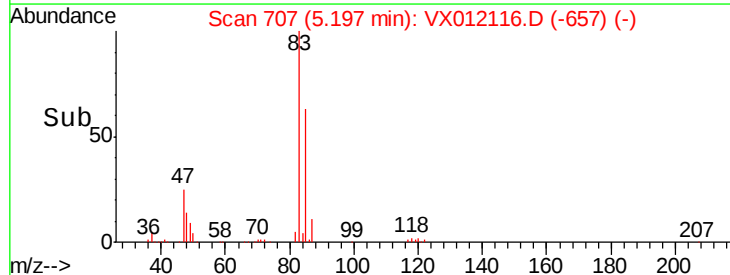
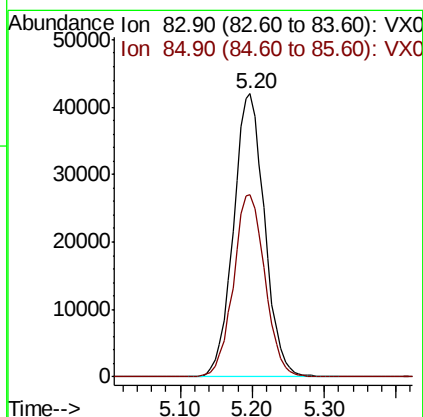
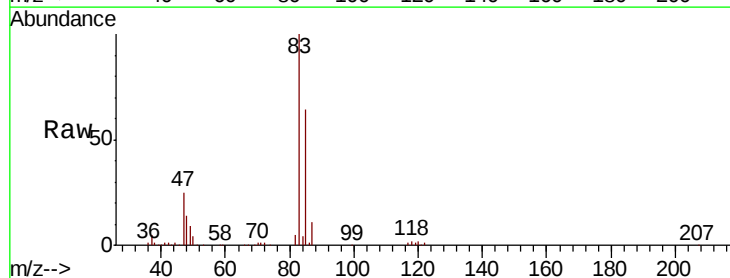
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

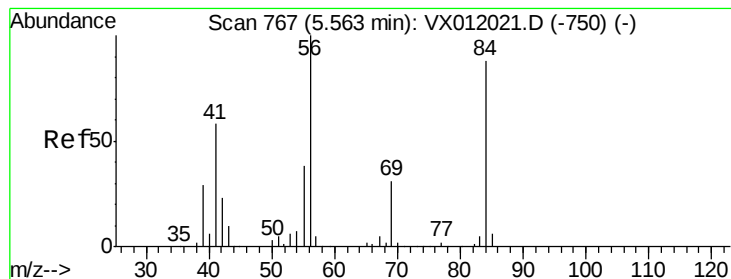
Tgt Ion: 42 Resp: 73306
Ion Ratio Lower Upper
42 100
72 46.0 37.0 55.4
71 41.4 33.8 50.8



#30
Chloroform
Concen: 49.694 ug/l
RT: 5.20 min Scan# 707
Delta R.T. 0.01 min
Lab File: VX012116.D
Acq: 05 Sep 2019 22:17

Tgt Ion: 83 Resp: 125808
Ion Ratio Lower Upper
83 100
85 64.5 52.6 78.8





#31

Cyclohexane

Concen: 44.440 ug/l

RT: 5.56 min Scan# 767

Delta R.T. -0.00 min

Lab File: VX012116.D

Acq: 05 Sep 2019 22:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

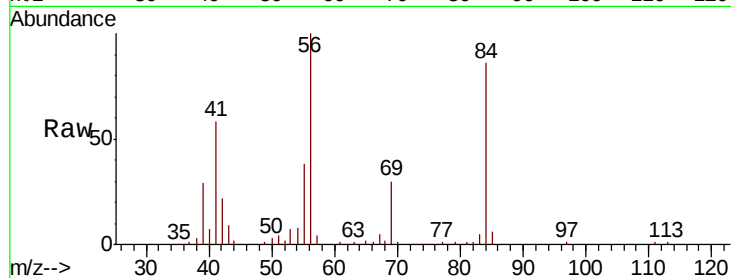
Tgt Ion: 56 Resp: 84208

Ion Ratio Lower Upper

56 100

69 30.2 25.7 38.5

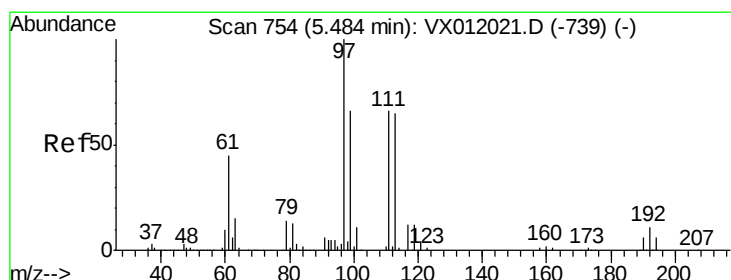
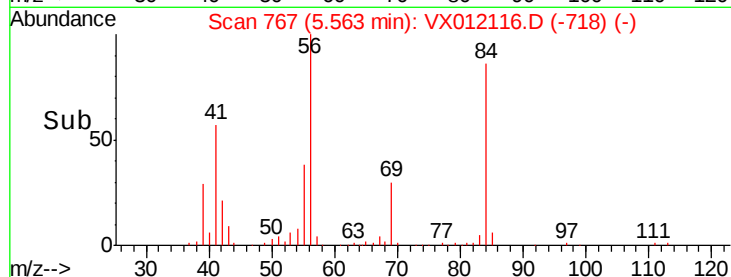
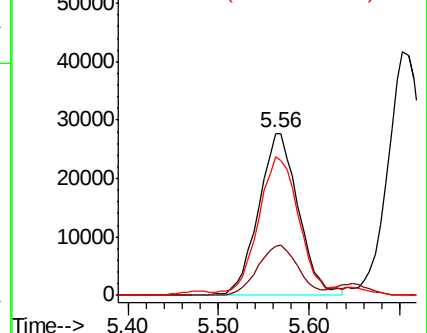
84 83.5 70.3 105.5



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 48.755 ug/l

RT: 5.48 min Scan# 753

Delta R.T. -0.00 min

Lab File: VX012116.D

Acq: 05 Sep 2019 22:17

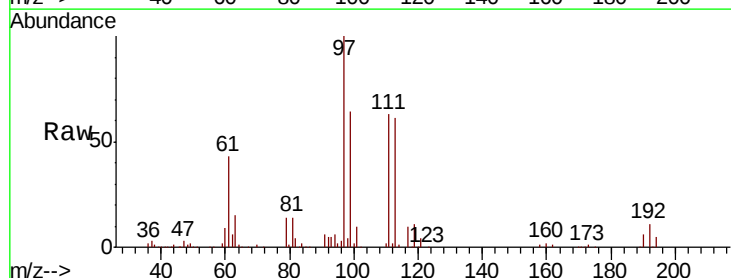
Tgt Ion: 97 Resp: 107500

Ion Ratio Lower Upper

97 100

99 63.7 52.1 78.1

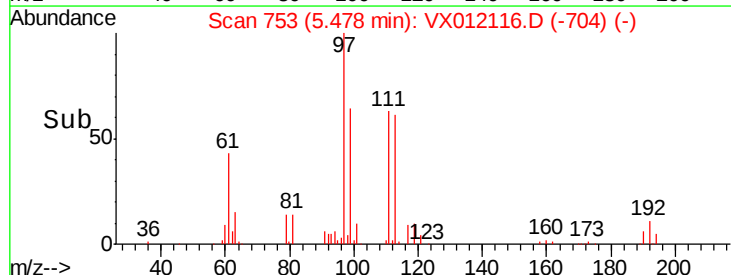
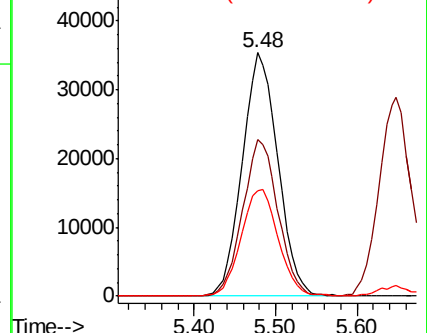
61 45.7 32.8 49.2

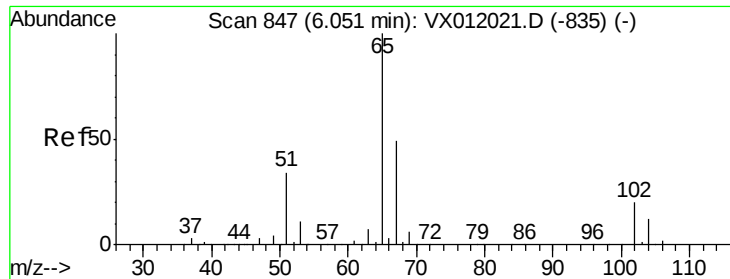


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 56.070 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012116.D

Acq: 05 Sep 2019 22:17

Instrument :

MSVOA_X

ClientSampleId :

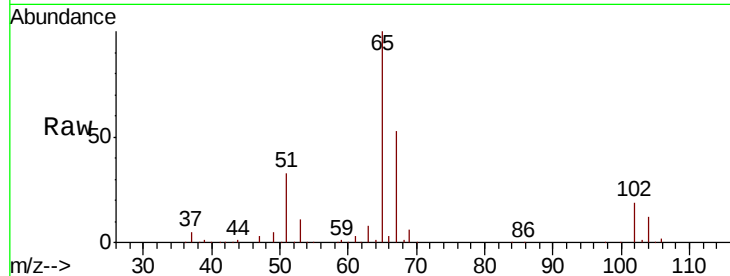
VSTDCCC050EC

Tgt Ion: 65 Resp: 86661

Ion Ratio Lower Upper

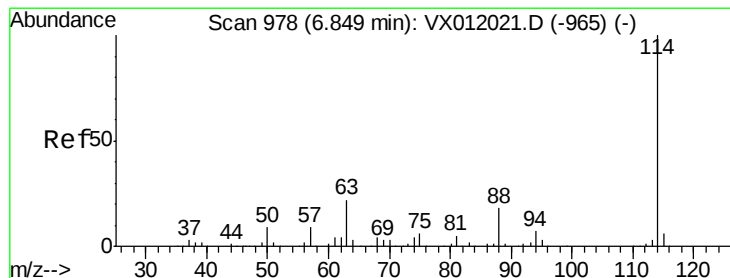
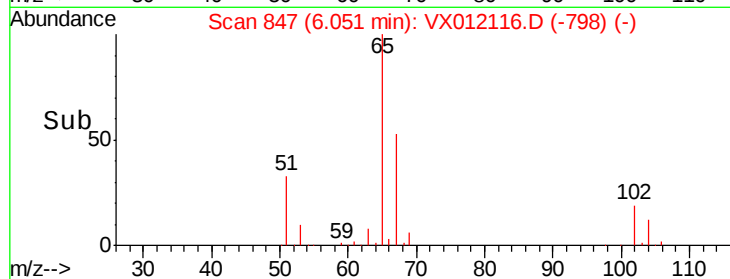
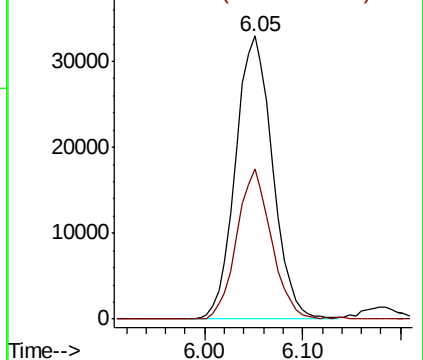
65 100

67 49.7 0.0 102.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX012116.D

Acq: 05 Sep 2019 22:17

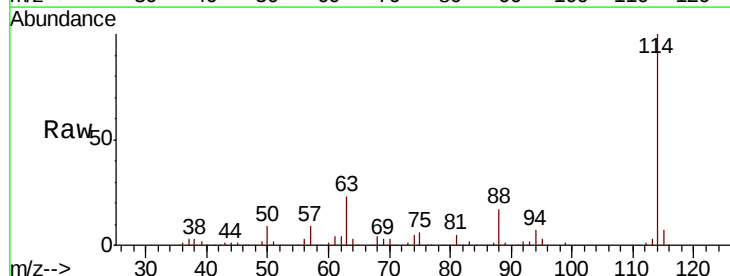
Tgt Ion: 114 Resp: 213753

Ion Ratio Lower Upper

114 100

63 23.0 0.0 37.4

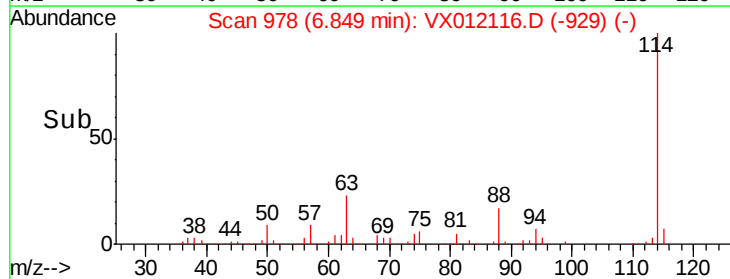
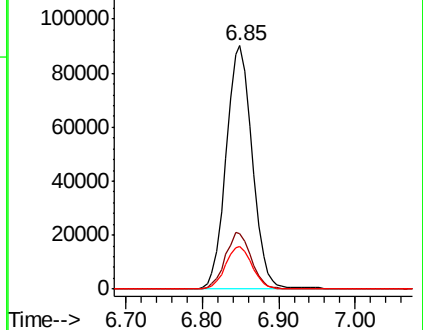
88 17.4 0.0 29.6

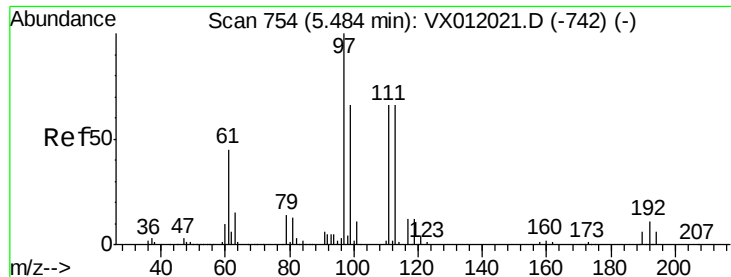


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

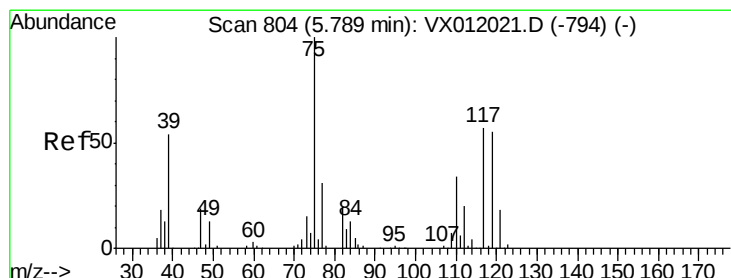
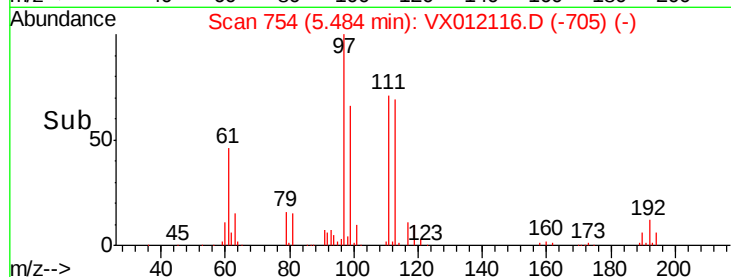
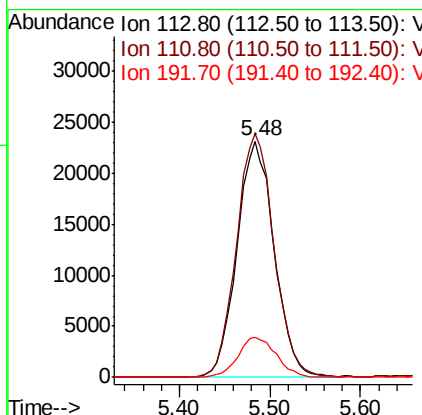
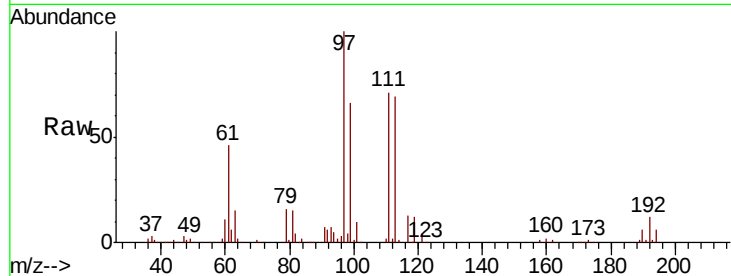




#35
Dibromofluoromethane
Concen: 50.157 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.00 min
Lab File: VX012116.D
Acq: 05 Sep 2019 22:17

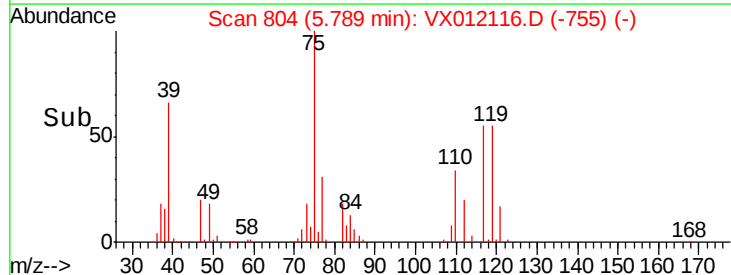
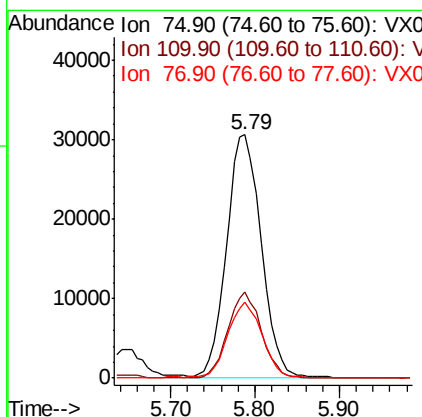
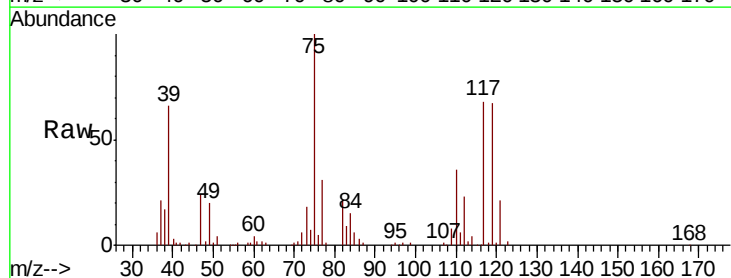
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

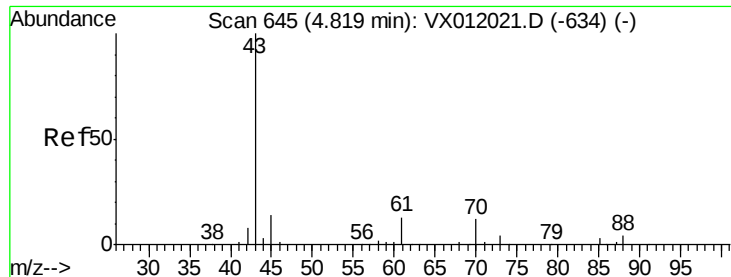
Tgt Ion:113 Resp: 65933
Ion Ratio Lower Upper
113 100
111 104.0 81.7 122.5
192 17.5 22.5 33.7#



#36
1,1-Dichloropropene
Concen: 45.204 ug/l
RT: 5.79 min Scan# 804
Delta R.T. -0.00 min
Lab File: VX012116.D
Acq: 05 Sep 2019 22:17

Tgt Ion: 75 Resp: 85102
Ion Ratio Lower Upper
75 100
110 34.1 19.5 58.5
77 31.3 24.6 37.0

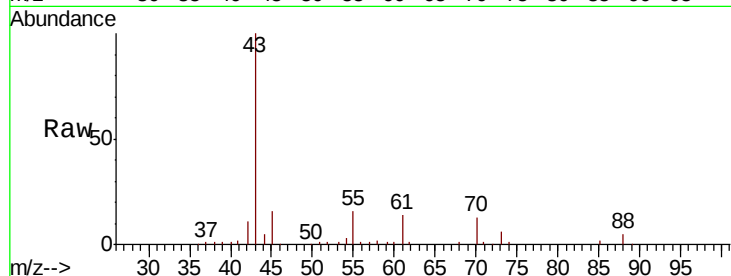




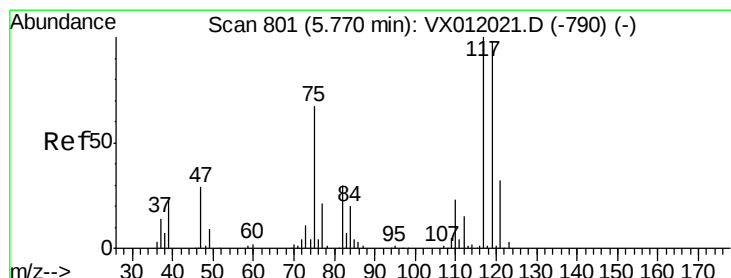
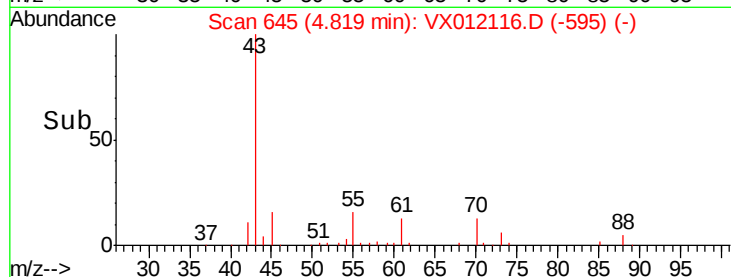
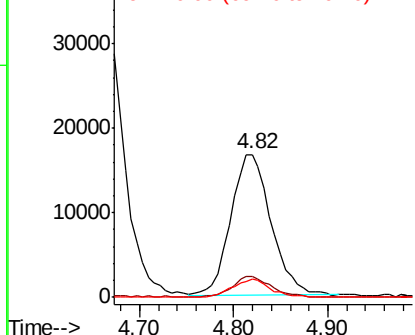
#37
Ethyl Acetate
Concen: 48.425 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.01 min
Lab File: VX012116.D
Acq: 05 Sep 2019 22:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 49575
Ion Ratio Lower Upper
43 100
61 14.5 10.9 16.3
70 12.3 9.4 14.0

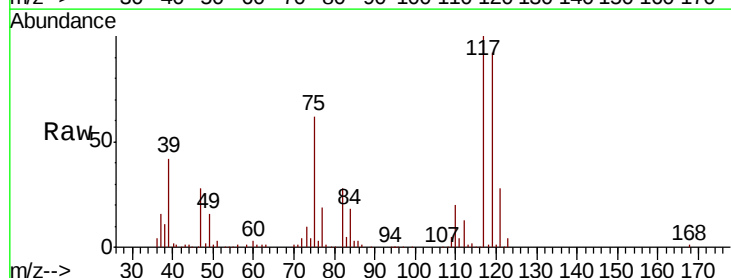


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

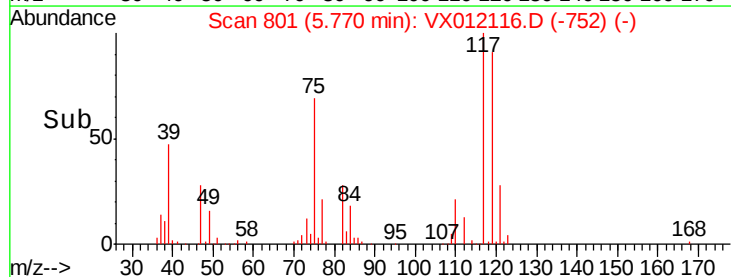
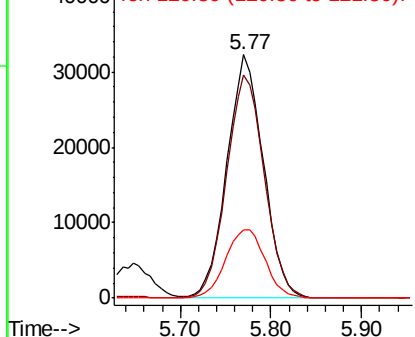


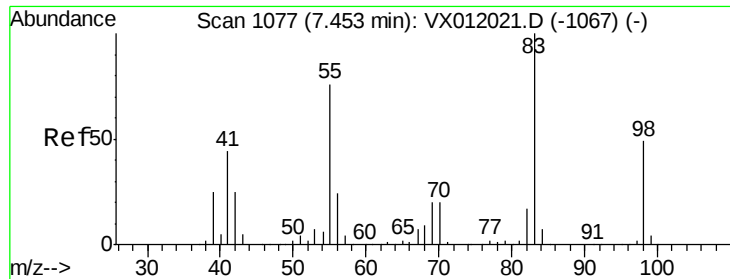
#38
Carbon Tetrachloride
Concen: 45.424 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.00 min
Lab File: VX012116.D
Acq: 05 Sep 2019 22:17

Tgt Ion: 117 Resp: 90112
Ion Ratio Lower Upper
117 100
119 91.5 78.3 117.5
121 28.1 24.2 36.2



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

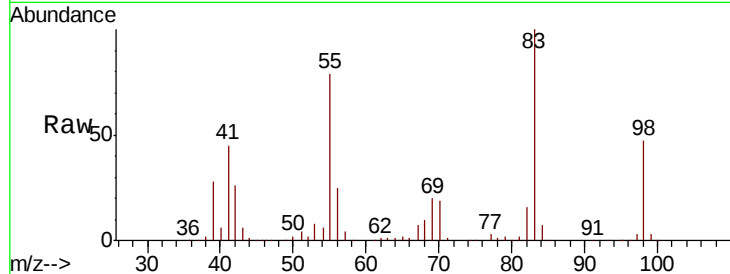




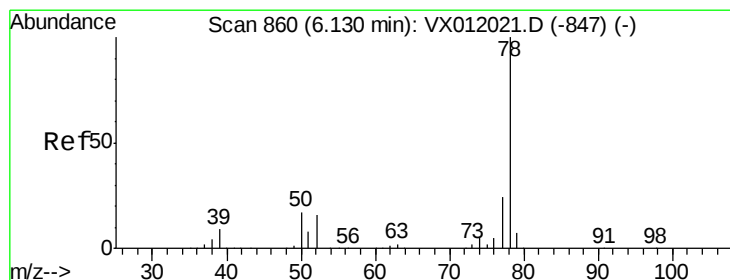
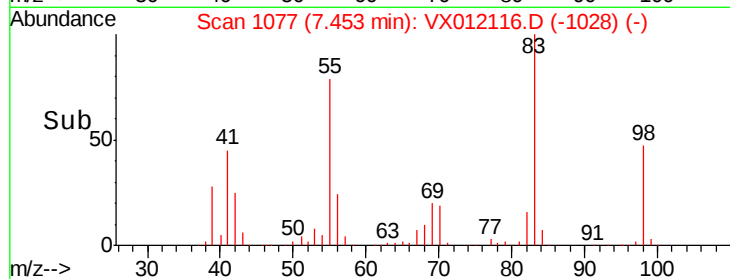
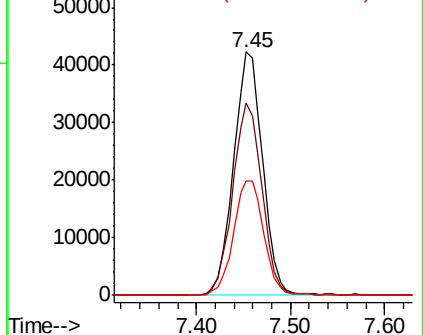
#39
Methylcyclohexane
Concen: 41.683 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VX012116.D
Acq: 05 Sep 2019 22:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 91077
Ion Ratio Lower Upper
83 100
55 78.7 59.6 89.4
98 47.0 41.4 62.0

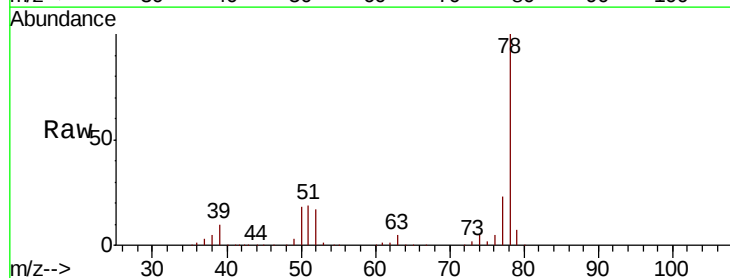


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

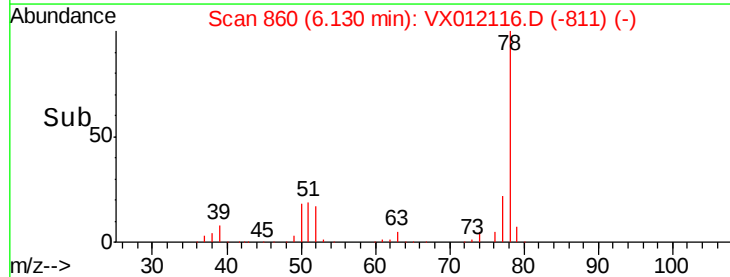
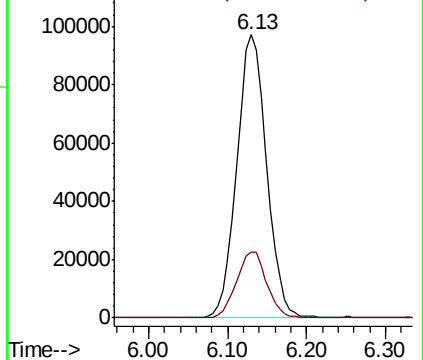


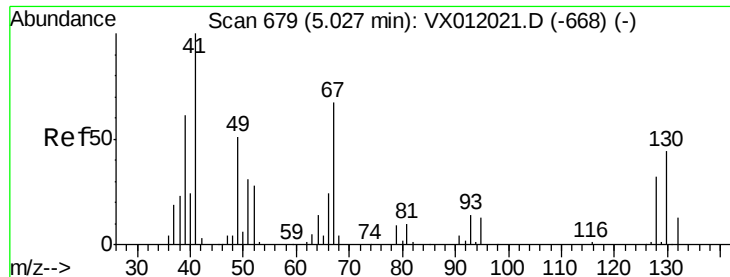
#40
Benzene
Concen: 47.252 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.00 min
Lab File: VX012116.D
Acq: 05 Sep 2019 22:17

Tgt Ion: 78 Resp: 255383
Ion Ratio Lower Upper
78 100
77 23.1 19.3 28.9



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0

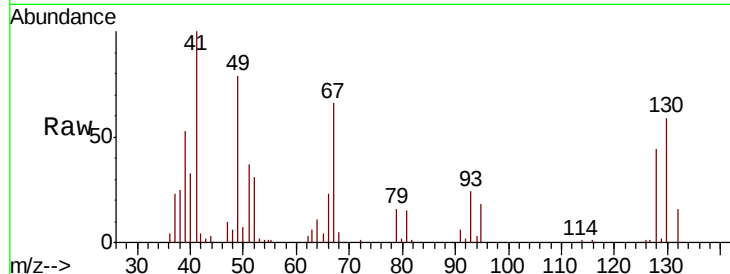




#41
Methacrylonitrile
Concen: 50.778 ug/l
RT: 5.03 min Scan# 679
Delta R.T. -0.00 min
Lab File: VX012116.D
Acq: 05 Sep 2019 22:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:	41	Resp:	31001
Ion	Ratio	Lower	Upper
41	100		
39	57.2	46.7	70.1
67	67.7	57.0	85.6
52	32.3	23.5	35.3



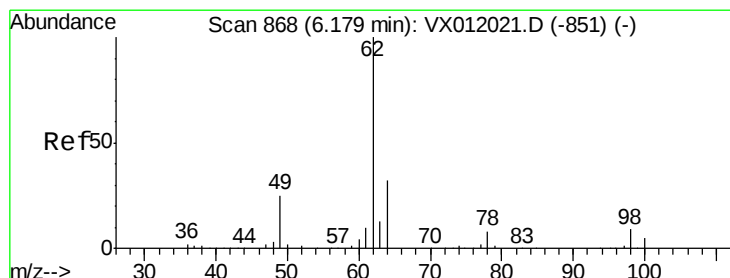
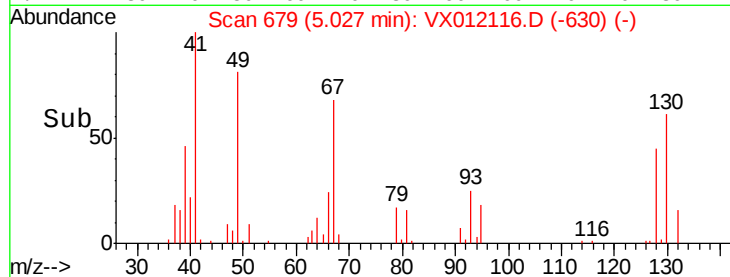
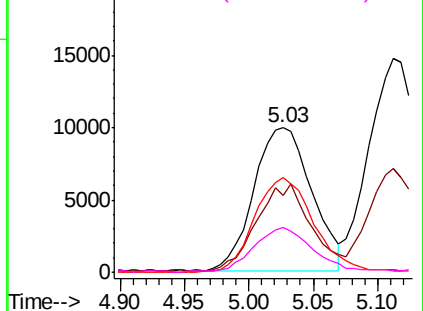
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

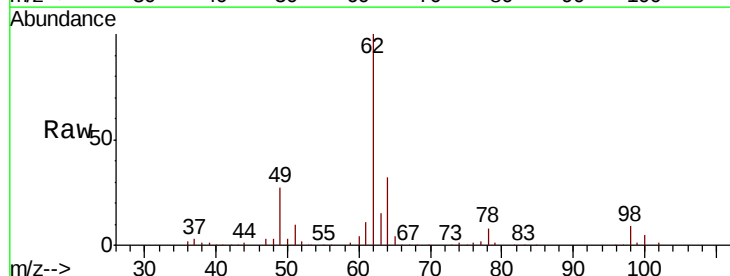
Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42
1,2-Dichloroethane
Concen: 50.373 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.00 min
Lab File: VX012116.D
Acq: 05 Sep 2019 22:17

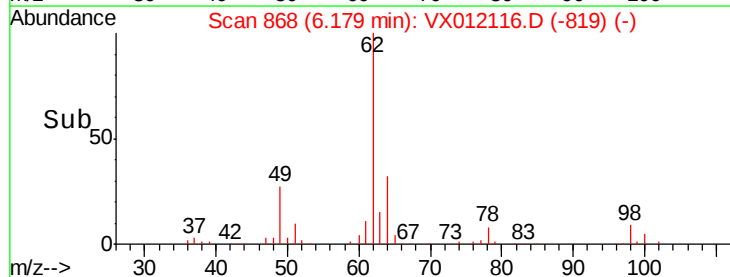
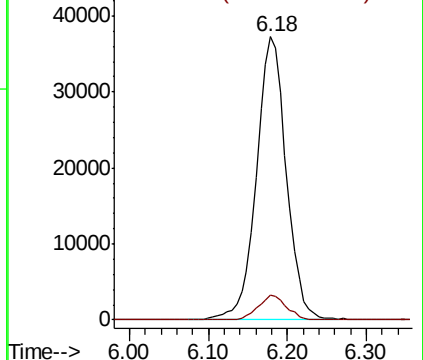
Tgt Ion:	62	Resp:	97972
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	19.2

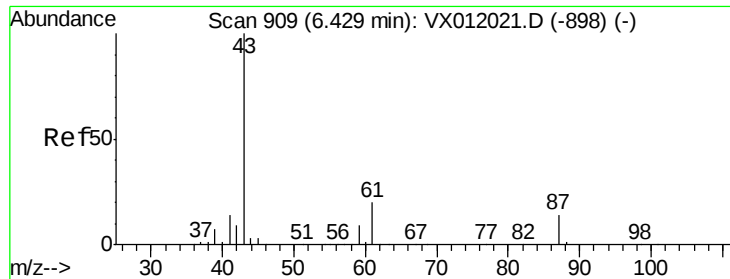


Abundance

Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 49.641 ug/l

RT: 6.43 min Scan# 910

Delta R.T. 0.01 min

Lab File: VX012116.D

Acq: 05 Sep 2019 22:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

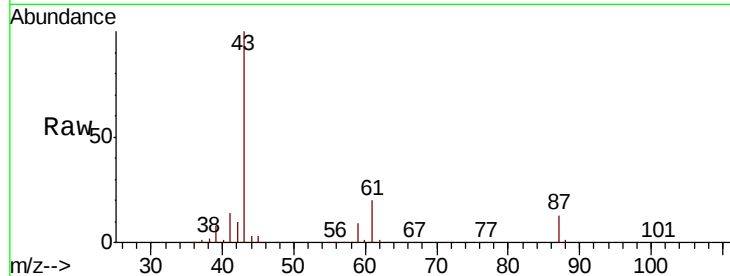
Tgt Ion: 43 Resp: 103335

Ion Ratio Lower Upper

43 100

61 19.3 16.1 24.1

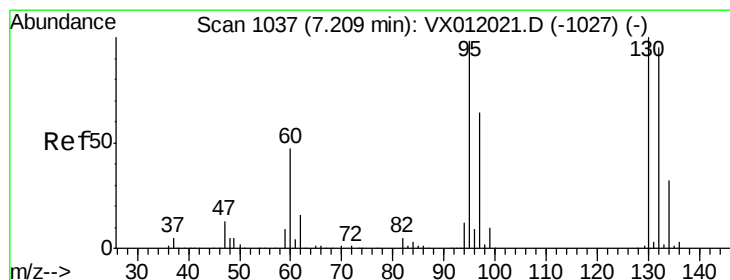
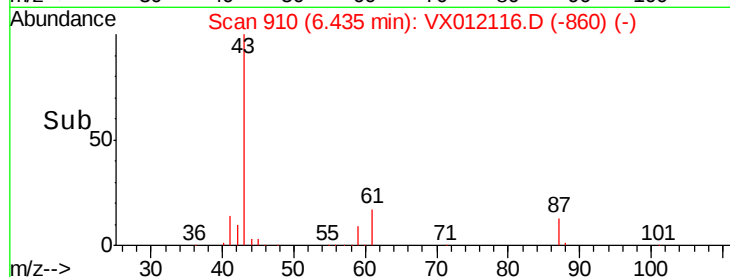
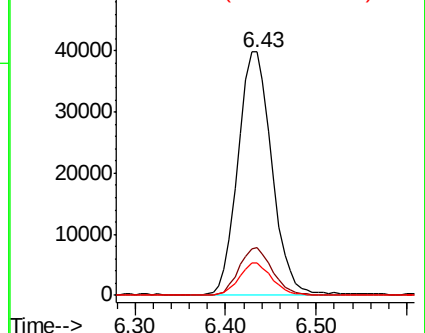
87 12.8 11.3 16.9



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: 46.415 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. -0.00 min

Lab File: VX012116.D

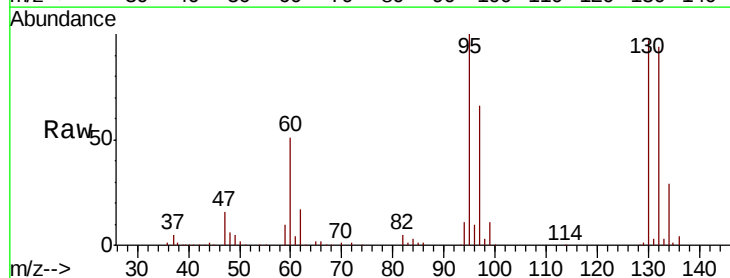
Acq: 05 Sep 2019 22:17

Tgt Ion: 130 Resp: 67661

Ion Ratio Lower Upper

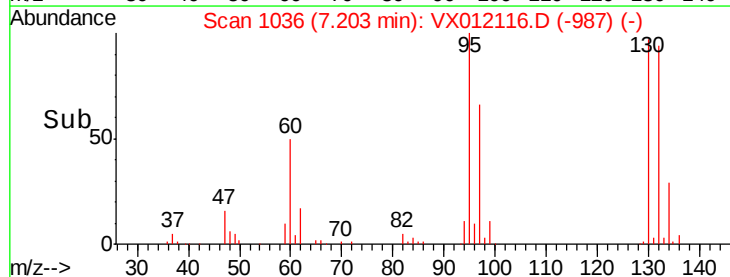
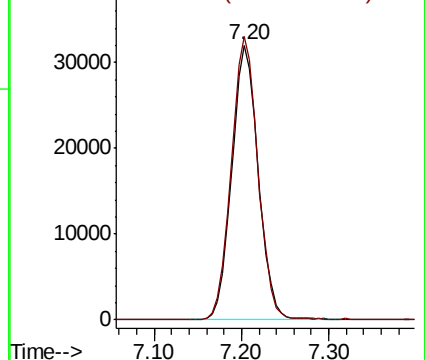
130 100

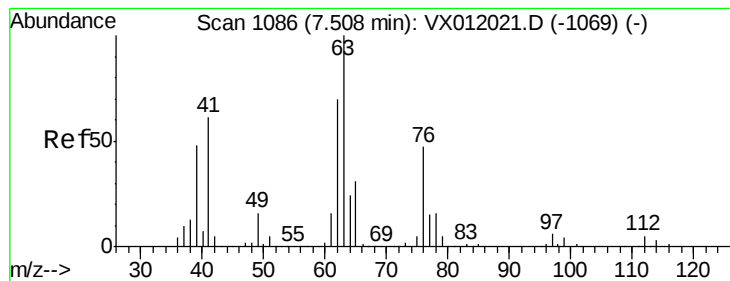
95 103.1 0.0 176.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 47.340 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. 0.01 min

Lab File: VX012116.D

Acq: 05 Sep 2019 22:17

Instrument :

MSVOA_X

ClientSampleId :

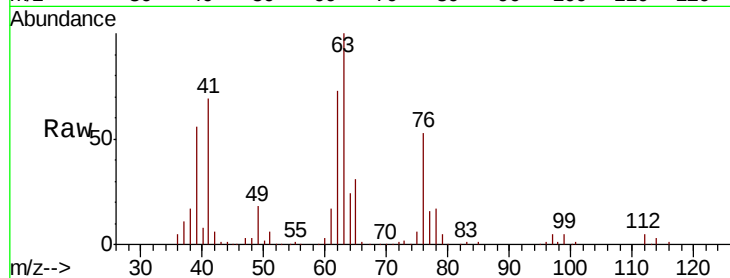
VSTDCCC050EC

Tgt Ion: 63 Resp: 66104

Ion Ratio Lower Upper

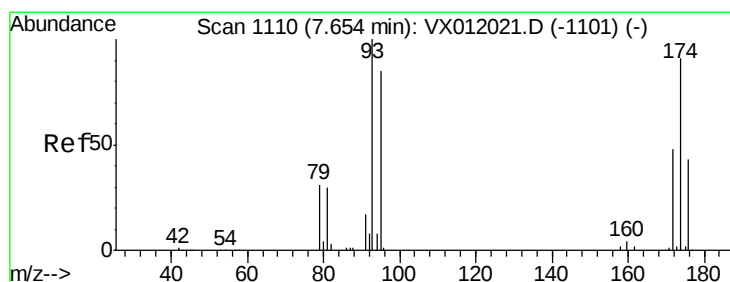
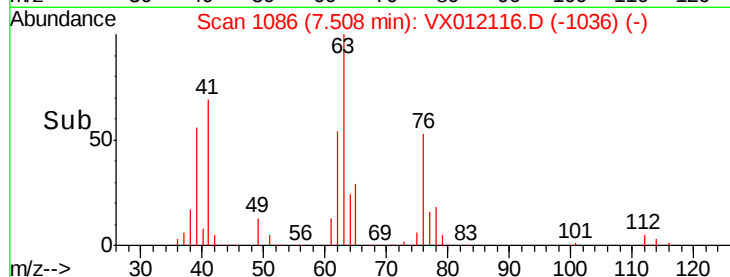
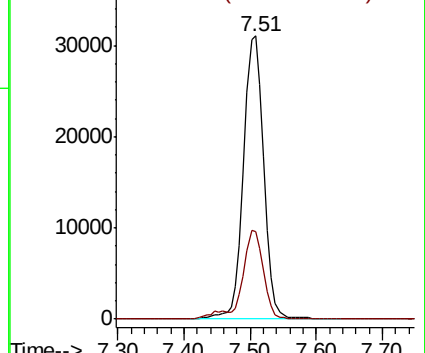
63 100

65 31.1 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 49.132 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VX012116.D

Acq: 05 Sep 2019 22:17

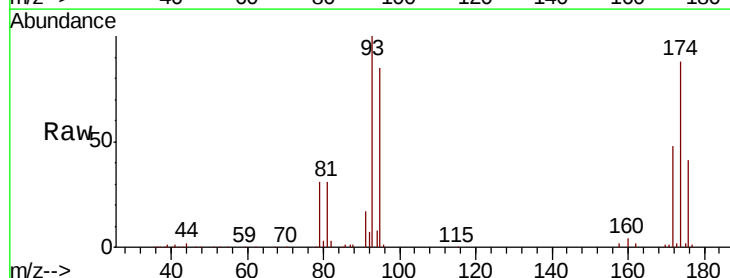
Tgt Ion: 93 Resp: 40050

Ion Ratio Lower Upper

93 100

95 83.4 66.2 99.2

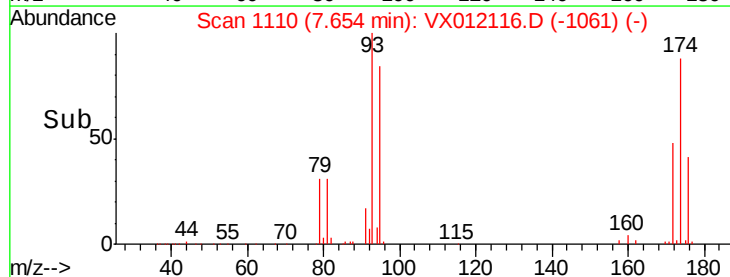
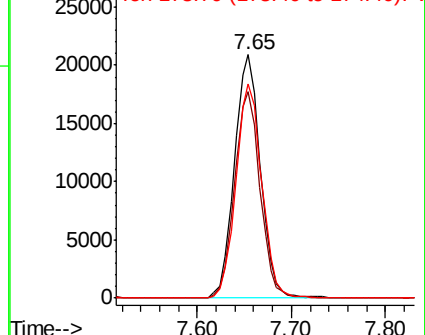
174 87.6 110.2 165.4#

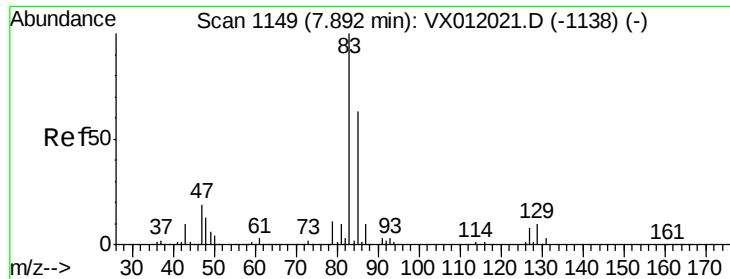


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 47.619 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX012116.D

Acq: 05 Sep 2019 22:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

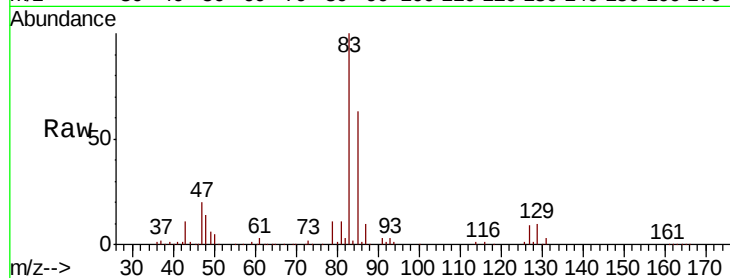
Tgt Ion: 83 Resp: 98666

Ion Ratio Lower Upper

83 100

85 62.8 50.3 75.5

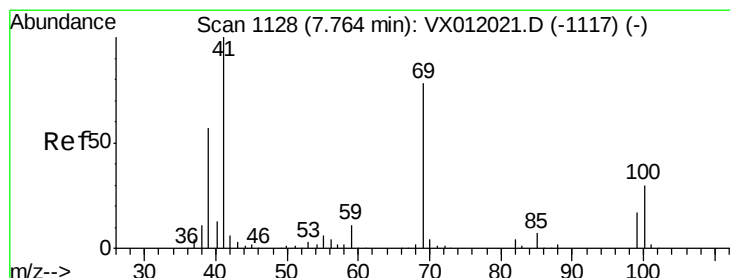
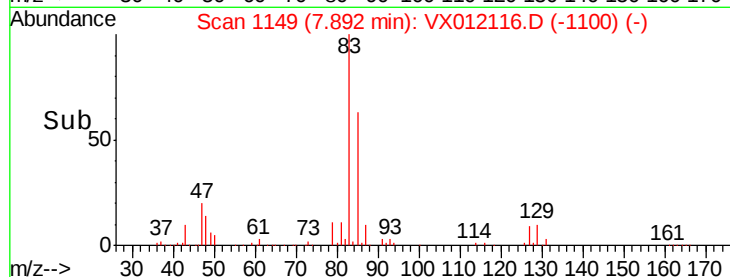
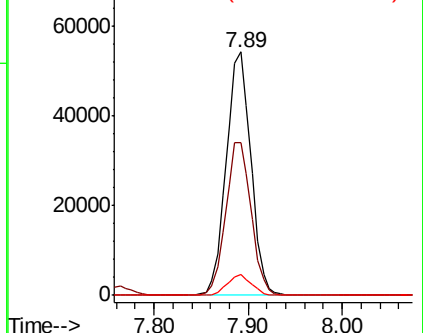
127 8.5 8.1 12.1



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: 49.845 ug/l

RT: 7.76 min Scan# 1128

Delta R.T. -0.00 min

Lab File: VX012116.D

Acq: 05 Sep 2019 22:17

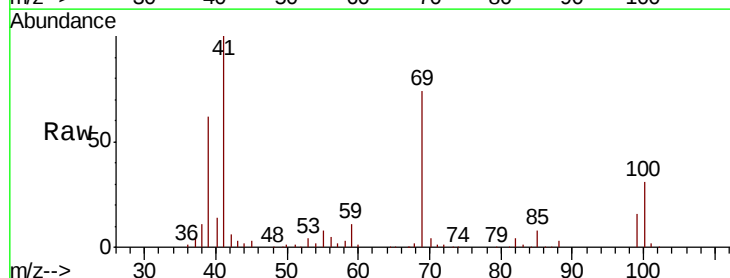
Tgt Ion: 41 Resp: 52171

Ion Ratio Lower Upper

41 100

69 77.6 66.3 99.5

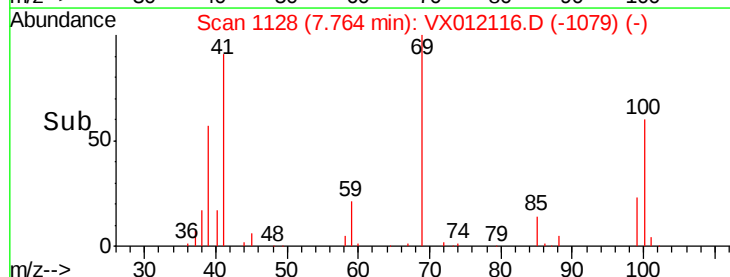
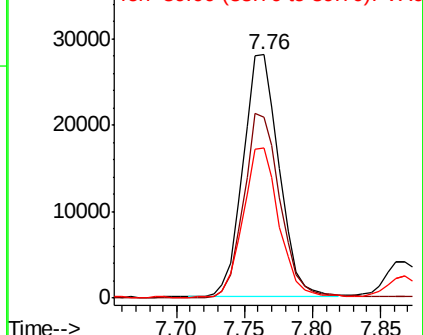
39 61.9 48.1 72.1

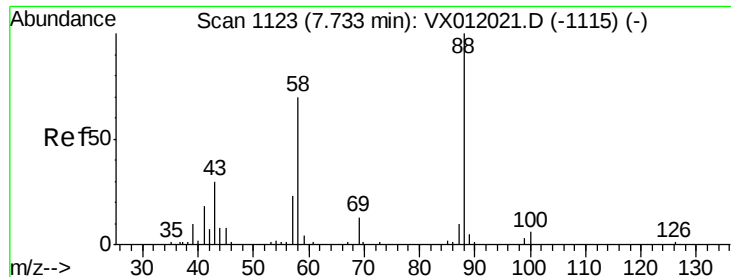


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

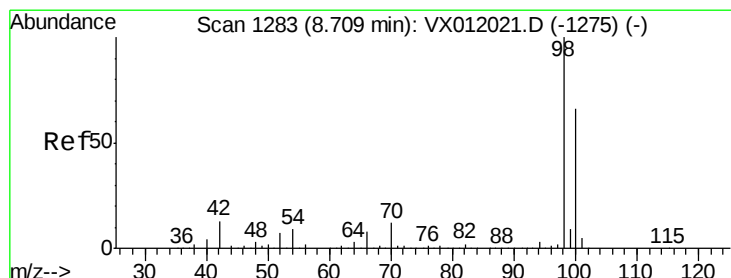
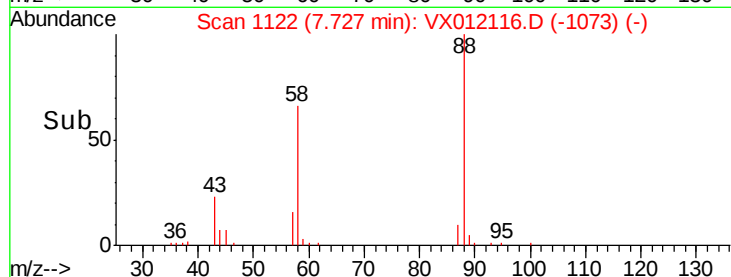
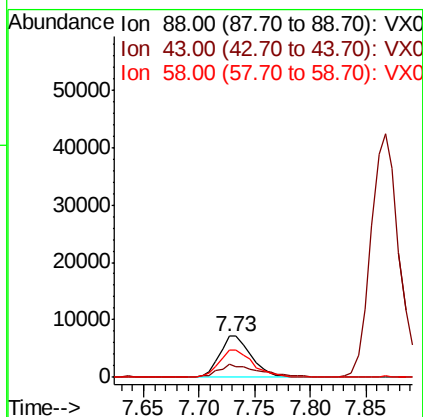
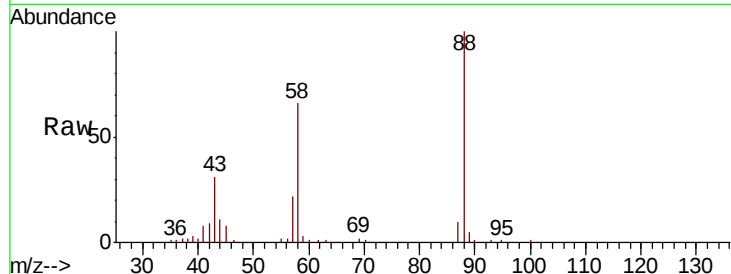




#49
1,4-Dioxane
Concen: 994.165 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. -0.00 min
Lab File: VX012116.D
Acq: 05 Sep 2019 22:17

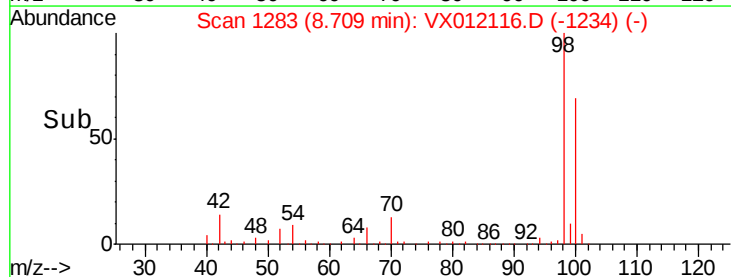
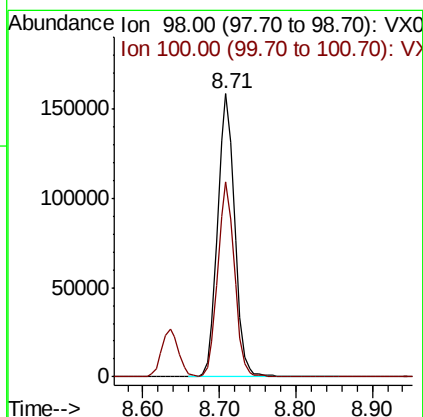
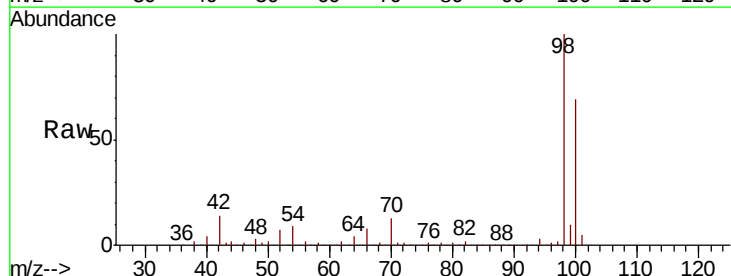
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 14185
Ion Ratio Lower Upper
88 100
43 37.7 29.8 44.6
58 72.4 55.4 83.2



#50
Toluene-d8
Concen: 50.953 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012116.D
Acq: 05 Sep 2019 22:17

Tgt Ion: 98 Resp: 245780
Ion Ratio Lower Upper
98 100
100 67.5 53.3 79.9





#51

4-Methyl-2-Pentanone

Concen: 255.758 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX012116.D

Acq: 05 Sep 2019 22:17

Instrument :

MSVOA_X

ClientSampleId :

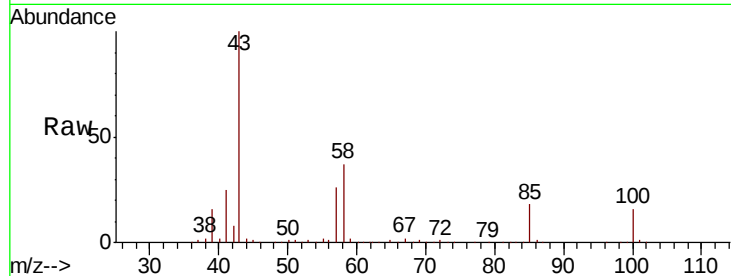
VSTDCCC050EC

Tgt Ion: 43 Resp: 270796

Ion Ratio Lower Upper

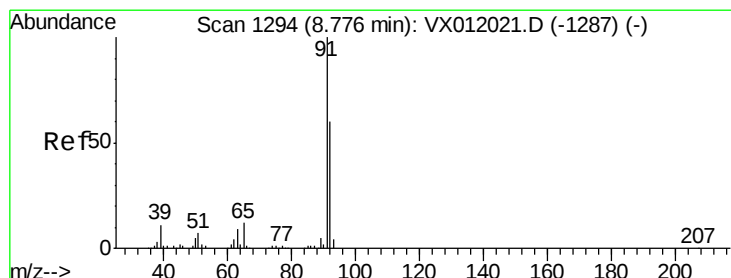
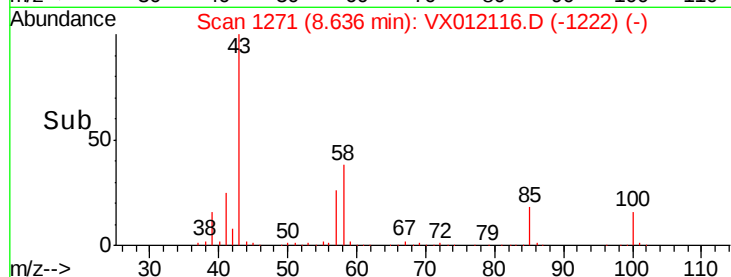
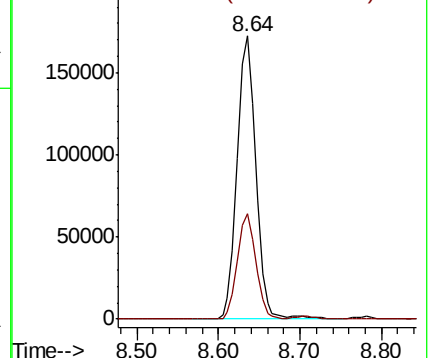
43 100

58 36.7 31.5 47.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 47.156 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX012116.D

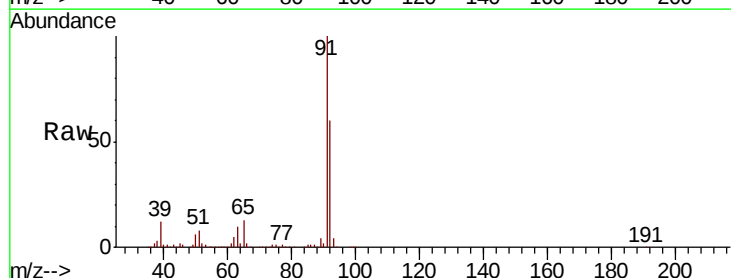
Acq: 05 Sep 2019 22:17

Tgt Ion: 92 Resp: 165825

Ion Ratio Lower Upper

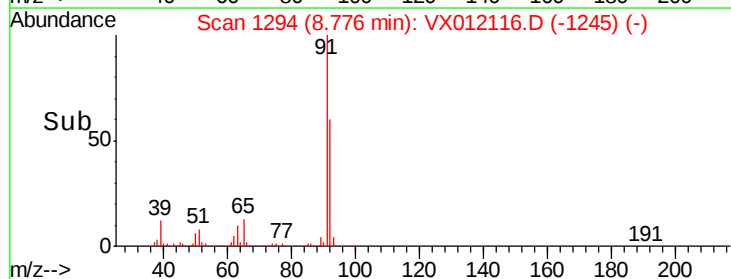
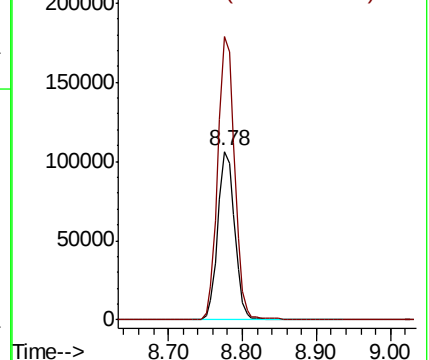
92 100

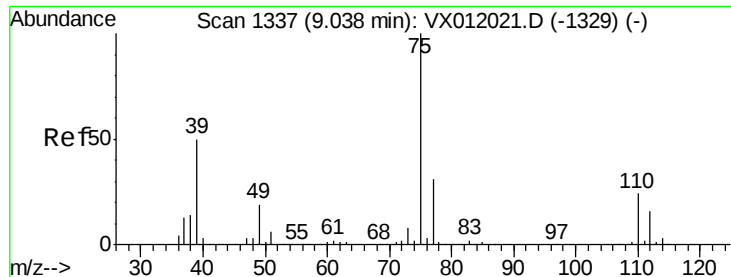
91 168.5 136.0 204.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

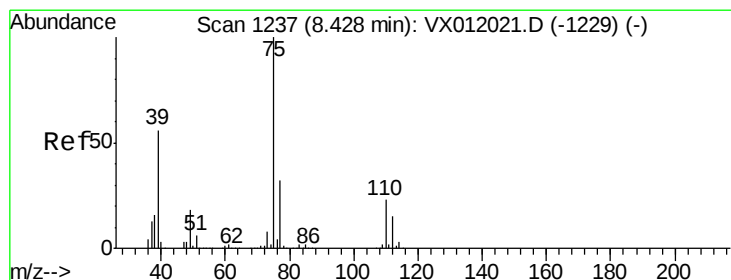
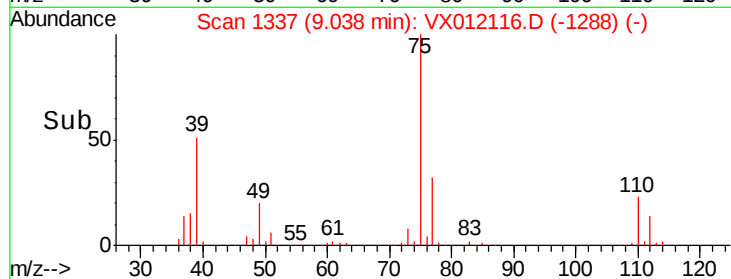
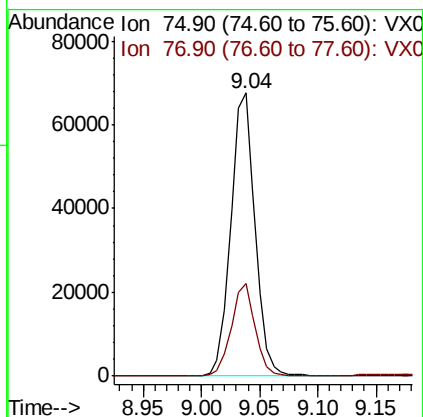
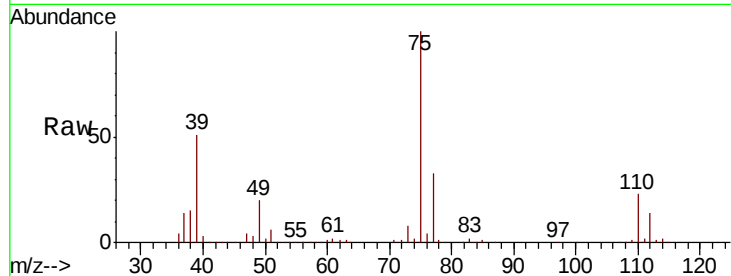




#53
t-1,3-Dichloropropene
Concen: 45.640 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VX012116.D
Acq: 05 Sep 2019 22:17

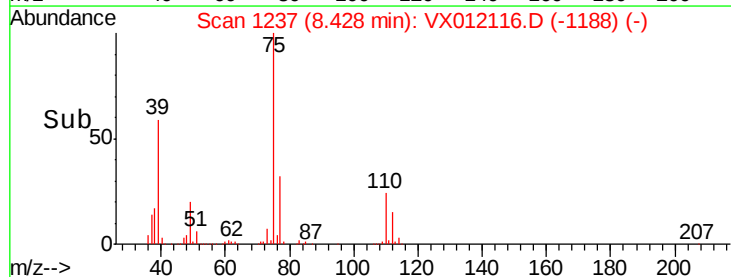
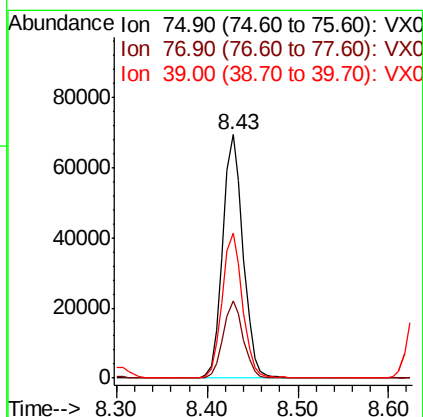
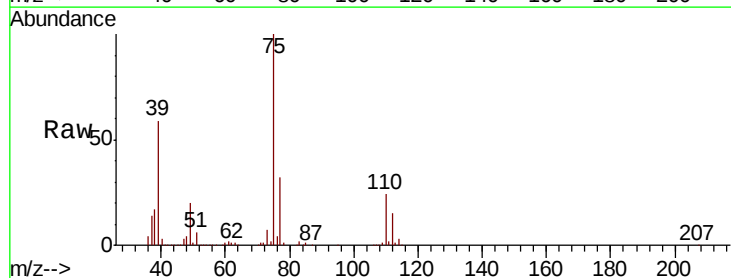
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

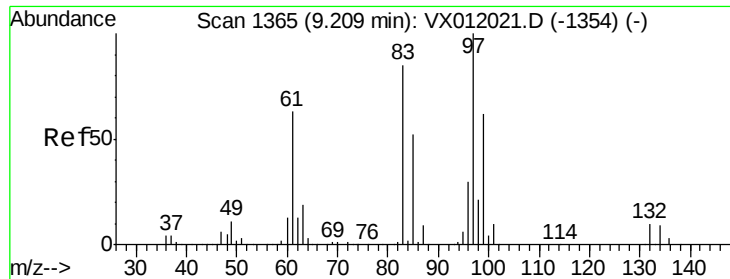
Tgt Ion: 75 Resp: 97904
Ion Ratio Lower Upper
75 100
77 32.5 25.1 37.7



#54
cis-1,3-Dichloropropene
Concen: 45.580 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VX012116.D
Acq: 05 Sep 2019 22:17

Tgt Ion: 75 Resp: 108728
Ion Ratio Lower Upper
75 100
77 31.8 25.5 38.3
39 59.3 43.0 64.4

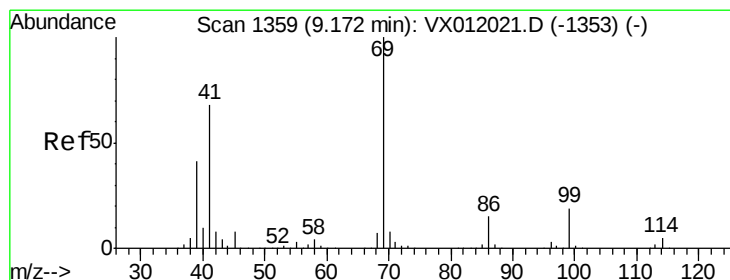
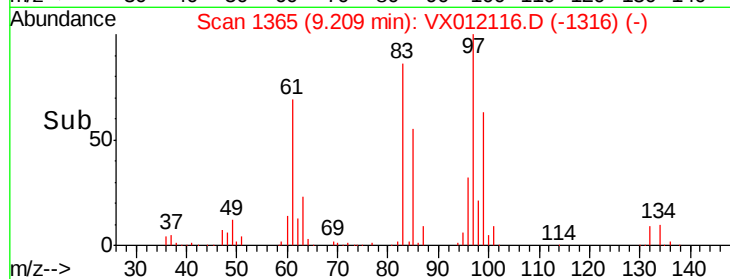
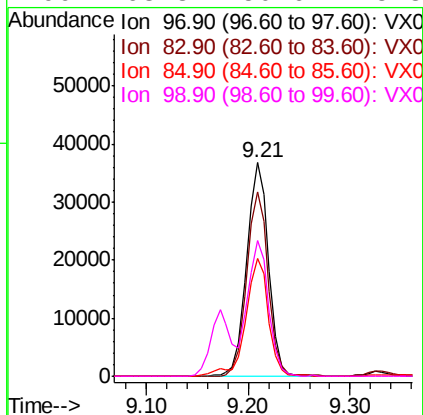
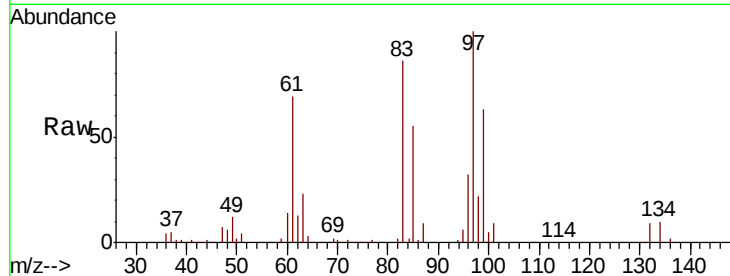




#55
 1,1,2-Trichloroethane
 Concen: 47.174 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX012116.D
 Acq: 05 Sep 2019 22:17

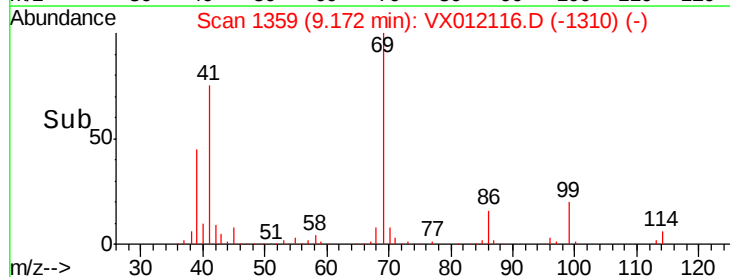
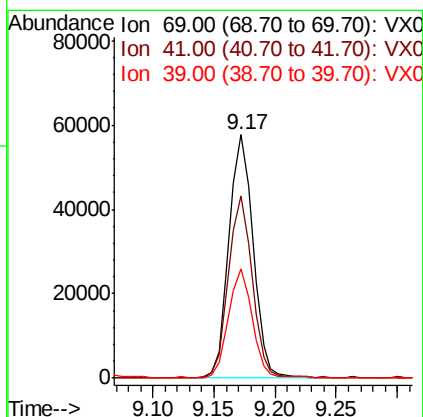
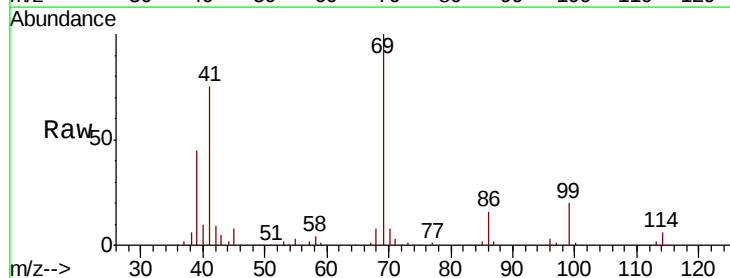
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

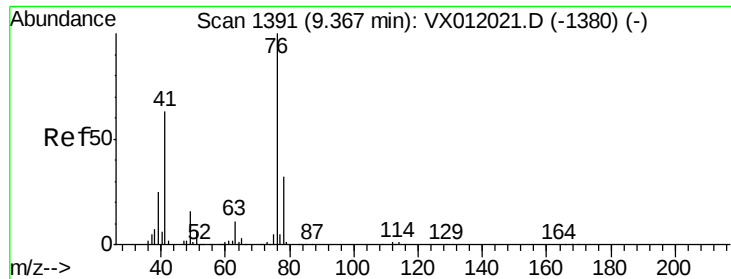
Tgt Ion:	97	Resp:	54976
Ion	Ratio	Lower	Upper
97	100		
83	86.3	66.0	99.0
85	55.0	41.0	61.6
99	63.3	50.6	75.8



#56
 Ethyl methacrylate
 Concen: 47.543 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VX012116.D
 Acq: 05 Sep 2019 22:17

Tgt Ion:	69	Resp:	79363
Ion	Ratio	Lower	Upper
69	100		
41	72.9	53.9	80.9
39	43.4	31.1	46.7

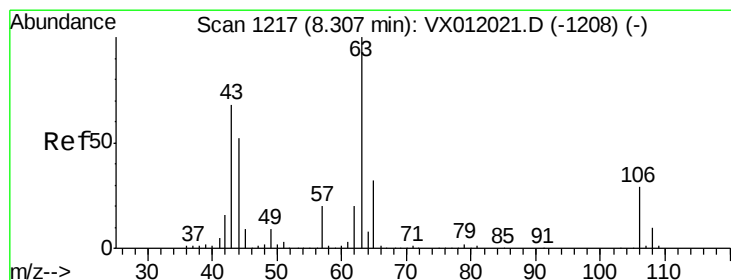
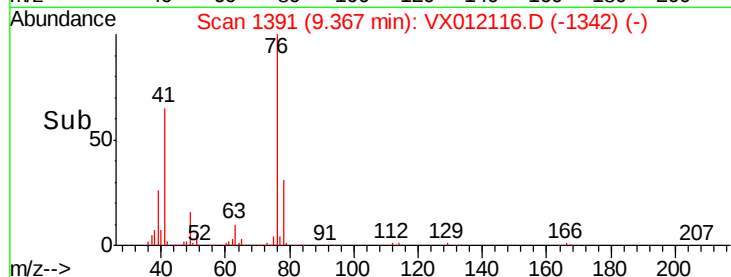
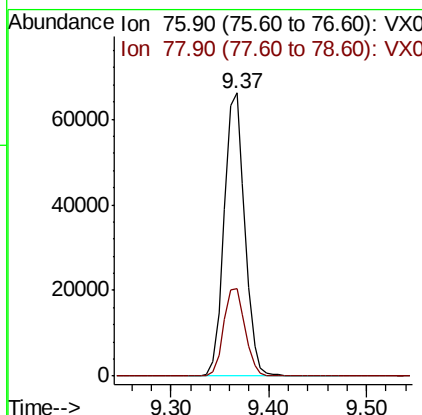
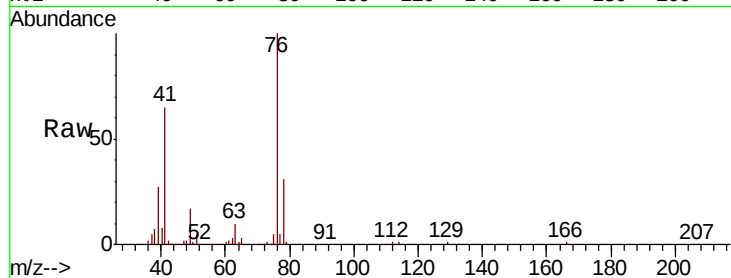




#57
 1,3-Dichloropropane
 Concen: 48.045 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VX012116.D
 Acq: 05 Sep 2019 22:17

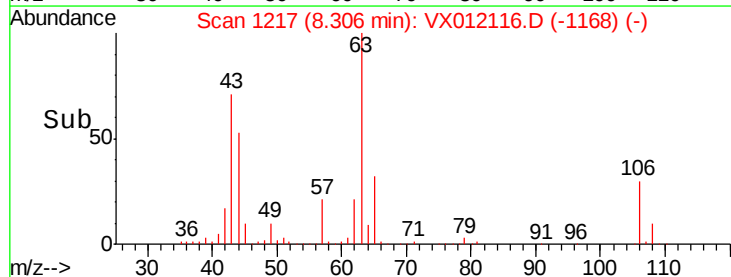
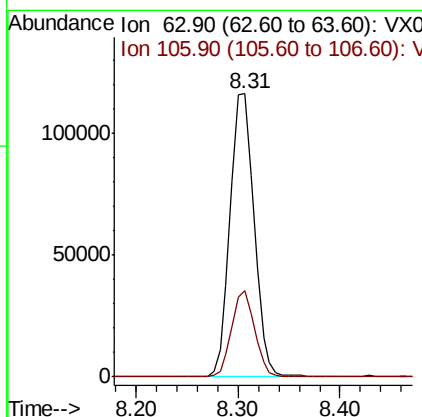
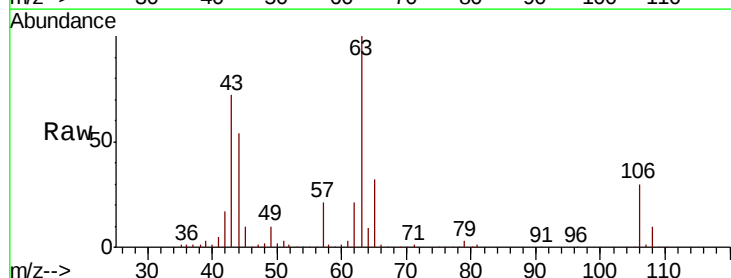
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

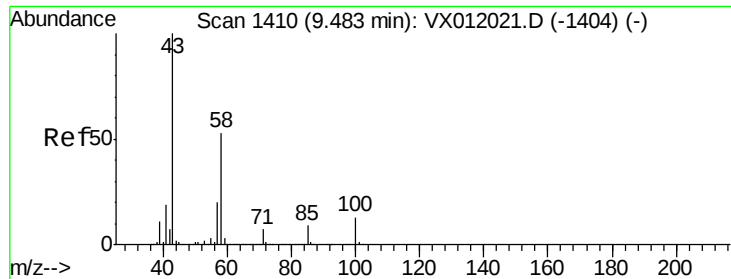
Tgt Ion: 76 Resp: 96619
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 251.430 ug/l
 RT: 8.31 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: VX012116.D
 Acq: 05 Sep 2019 22:17

Tgt Ion: 63 Resp: 189219
 Ion Ratio Lower Upper
 63 100
 106 29.4 26.5 39.7

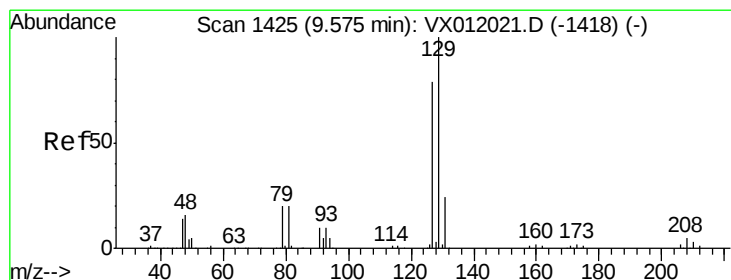
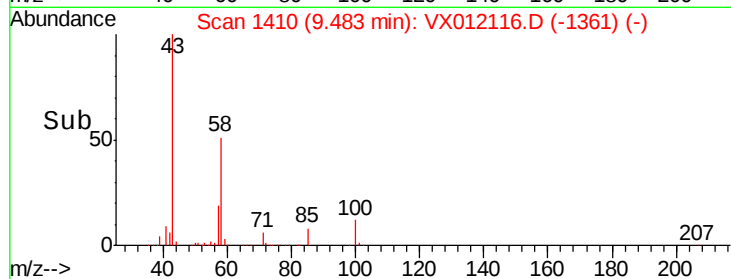
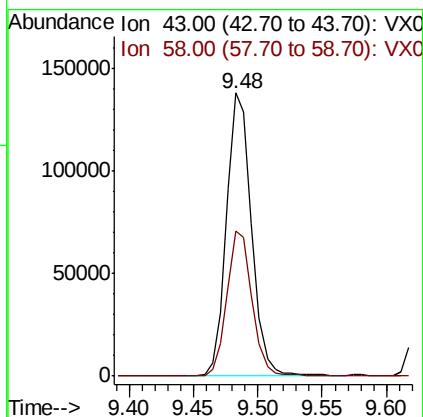
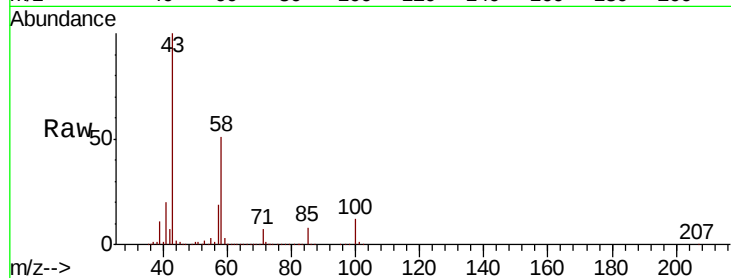




#59
2-Hexanone
Concen: 243.428 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VX012116.D
Acq: 05 Sep 2019 22:17

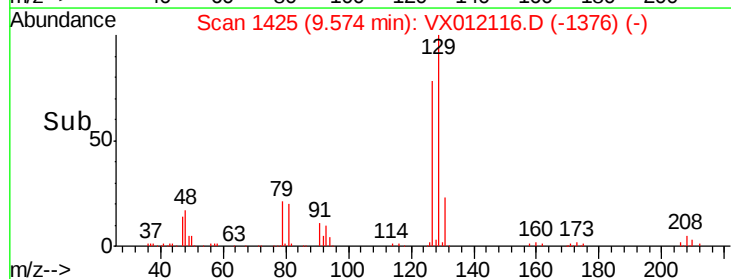
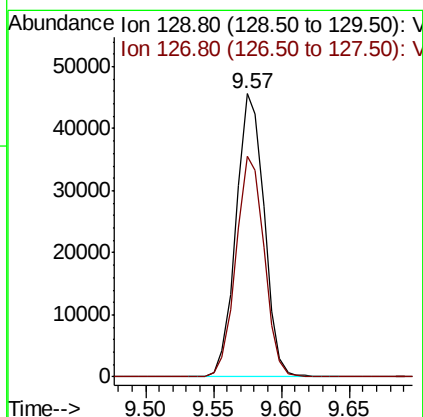
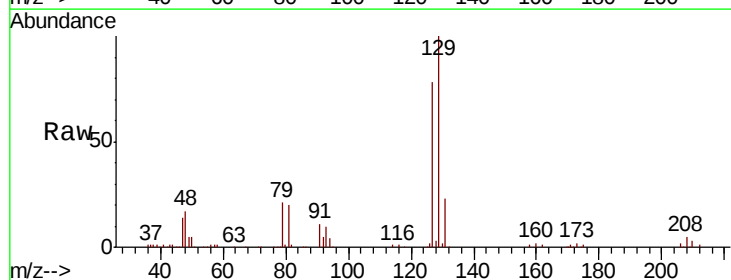
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

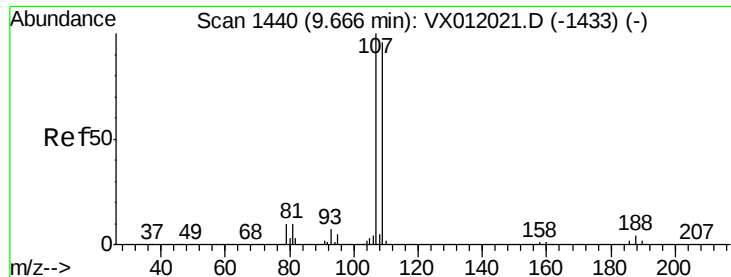
Tgt Ion: 43 Resp: 188068
Ion Ratio Lower Upper
43 100
58 51.9 27.2 81.6



#60
Dibromochloromethane
Concen: 47.362 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX012116.D
Acq: 05 Sep 2019 22:17

Tgt Ion: 129 Resp: 65782
Ion Ratio Lower Upper
129 100
127 78.1 38.1 114.5





#61

1,2-Dibromoethane

Concen: 48.394 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX012116.D

Acq: 05 Sep 2019 22:17

Instrument :

MSVOA_X

ClientSampleId :

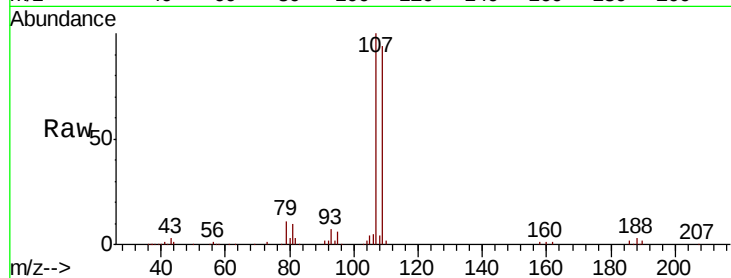
VSTDCCC050EC

Tgt Ion: 107 Resp: 54497

Ion Ratio Lower Upper

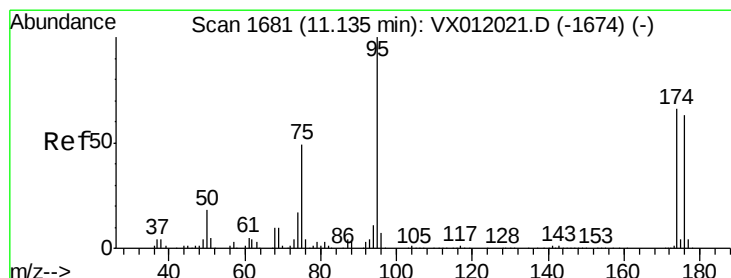
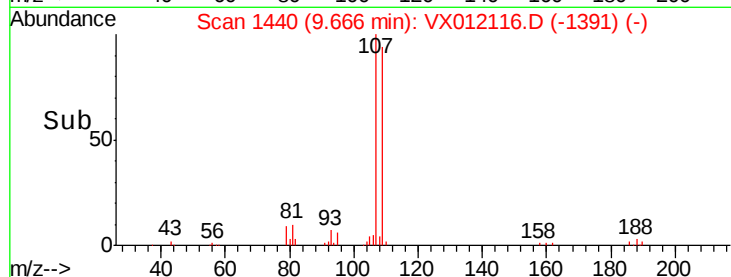
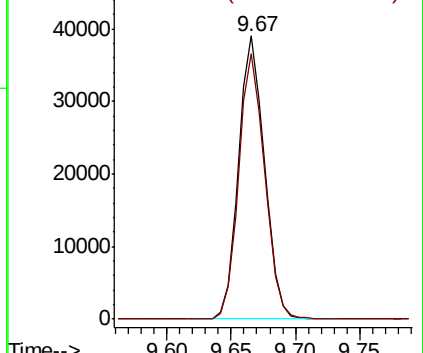
107 100

109 94.0 76.9 115.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.108 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012116.D

Acq: 05 Sep 2019 22:17

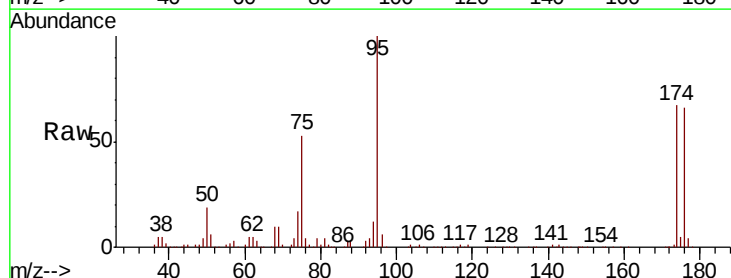
Tgt Ion: 95 Resp: 110165

Ion Ratio Lower Upper

95 100

174 64.2 0.0 205.4

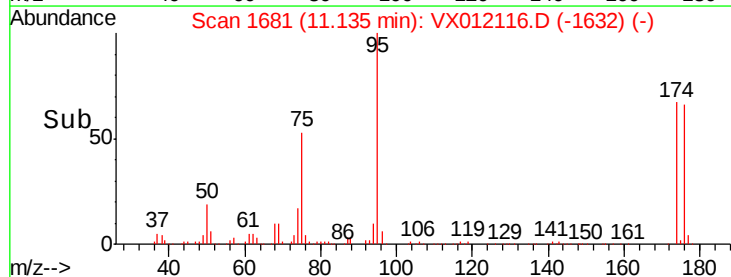
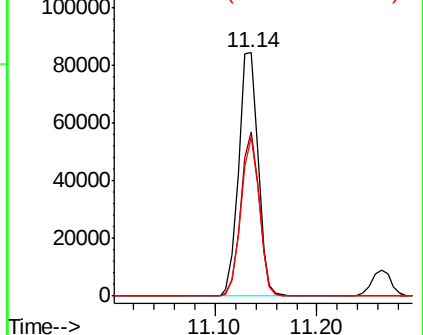
176 62.1 0.0 201.8

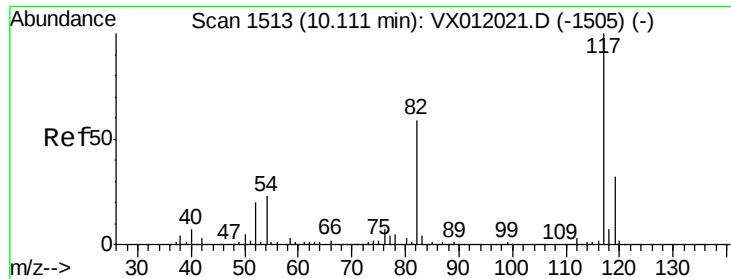


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

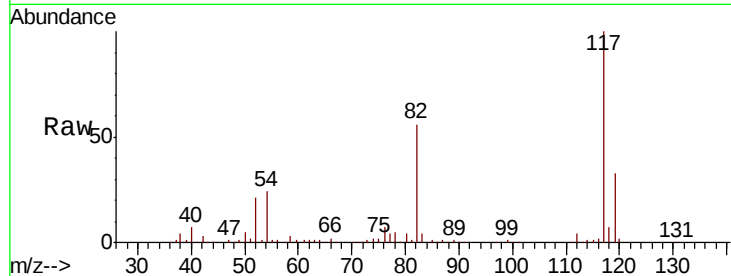




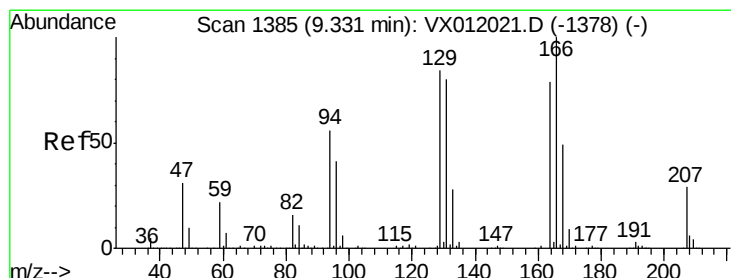
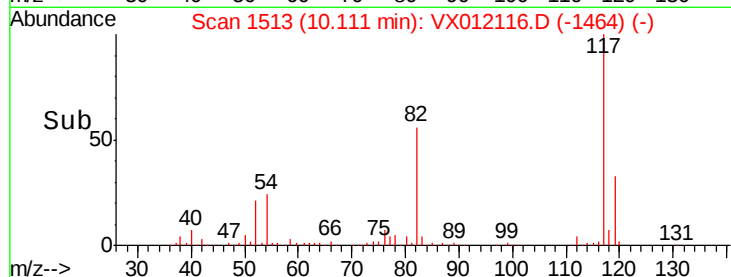
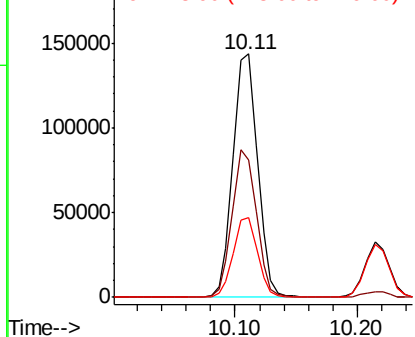
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012116.D
Acq: 05 Sep 2019 22:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 200716
Ion Ratio Lower Upper
117 100
82 56.2 39.4 59.0
119 32.7 26.1 39.1

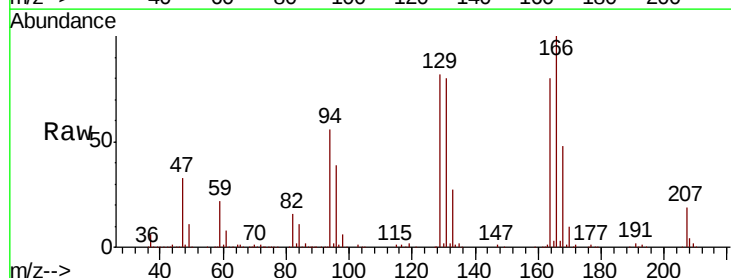


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

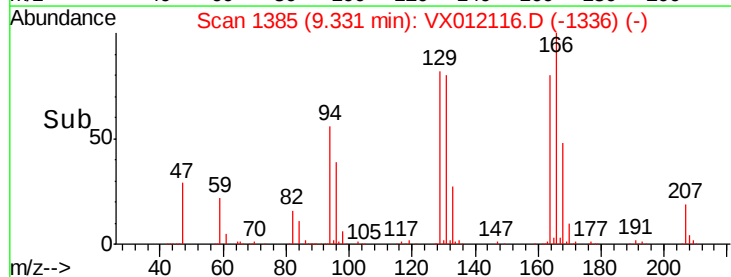
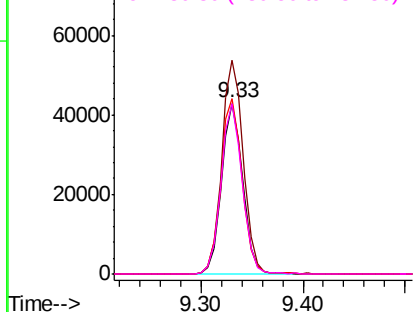


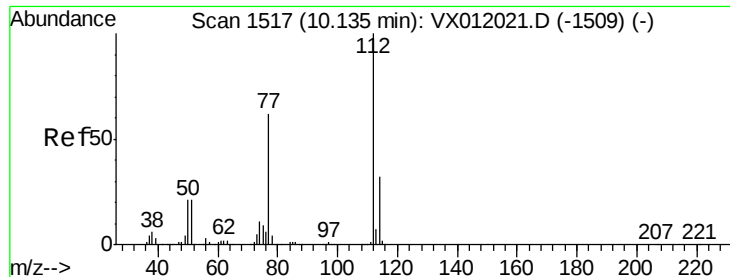
#64
Tetrachloroethene
Concen: 49.671 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX012116.D
Acq: 05 Sep 2019 22:17

Tgt Ion:164 Resp: 62155
Ion Ratio Lower Upper
164 100
166 125.0 104.3 156.5
129 102.5 68.3 102.5#
131 99.5 65.4 98.0#



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

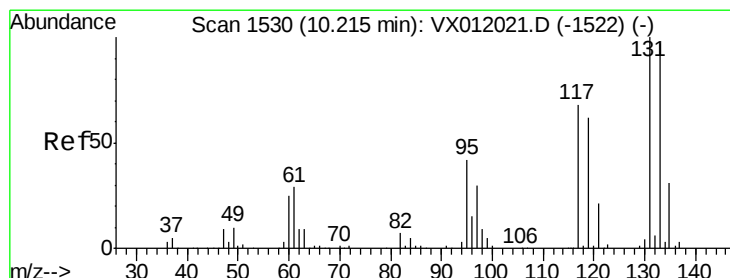
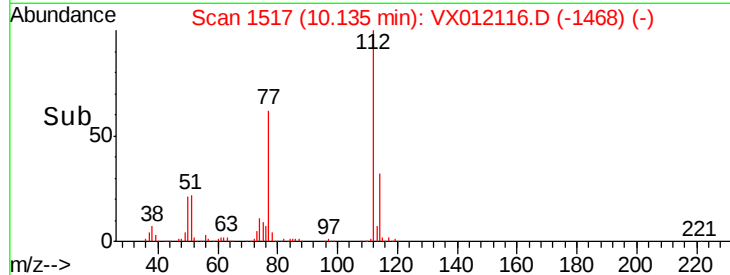
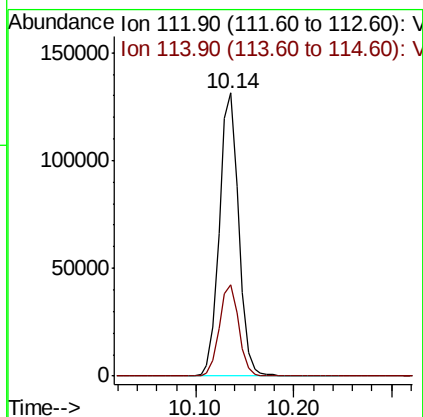
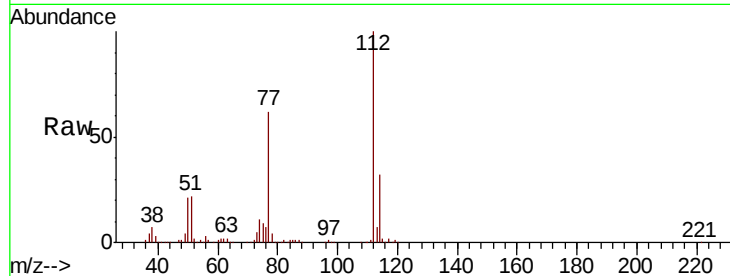




#65
Chlorobenzene
Concen: 45.350 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX012116.D
Acq: 05 Sep 2019 22:17

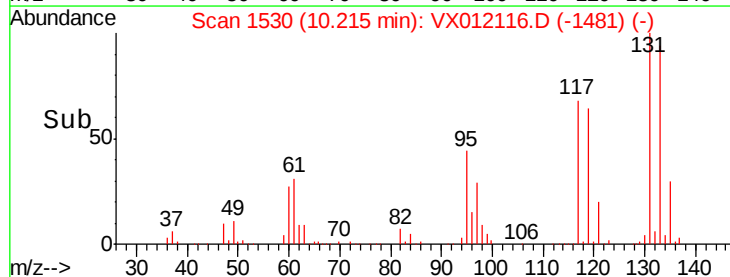
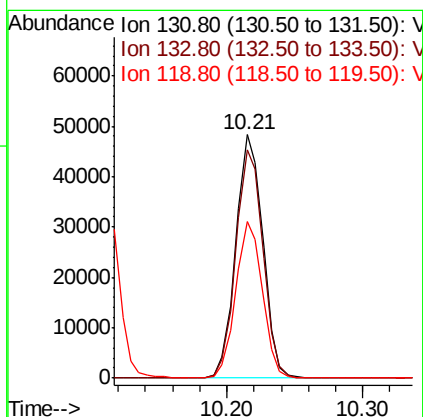
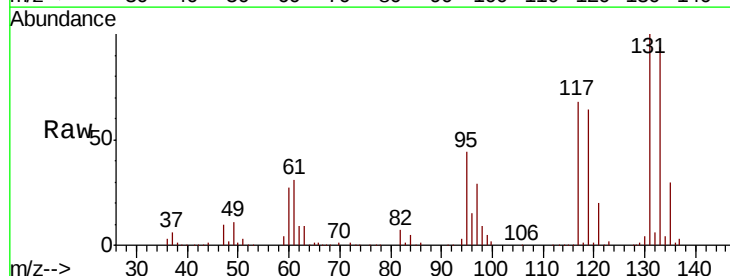
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

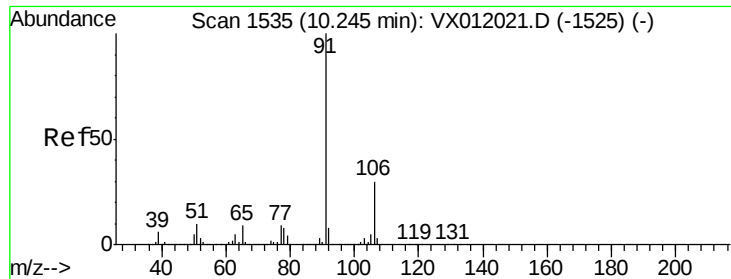
Tgt Ion:112 Resp: 179599
Ion Ratio Lower Upper
112 100
114 32.3 26.2 39.2



#66
1,1,1,2-Tetrachloroethane
Concen: 46.220 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VX012116.D
Acq: 05 Sep 2019 22:17

Tgt Ion:131 Resp: 66929
Ion Ratio Lower Upper
131 100
133 94.3 48.4 145.0
119 63.6 30.5 91.5

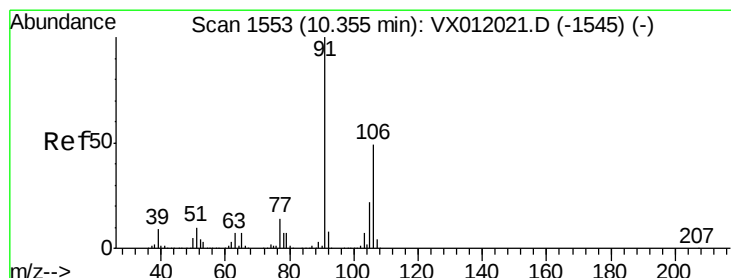
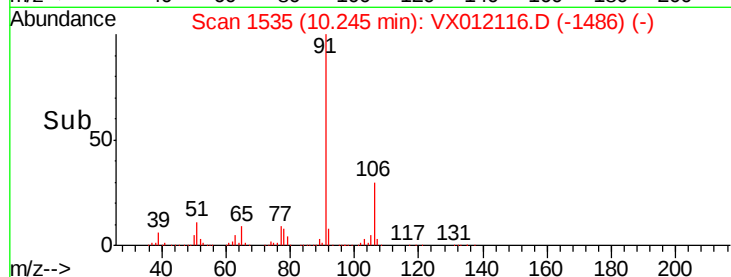
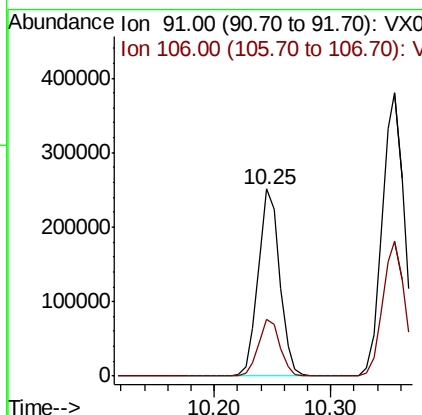
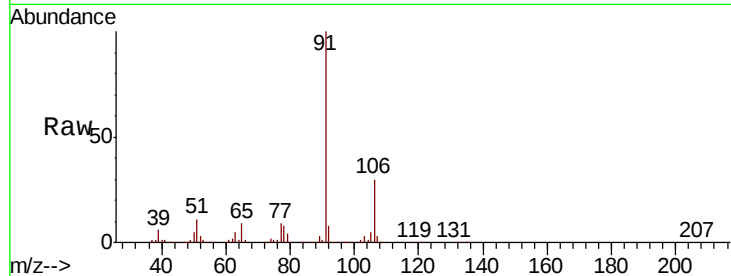




#67
Ethyl Benzene
Concen: 45.092 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX012116.D
Acq: 05 Sep 2019 22:17

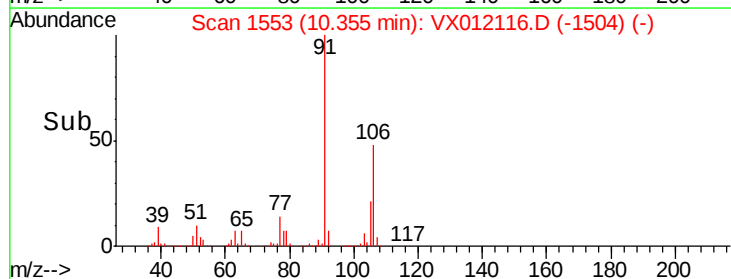
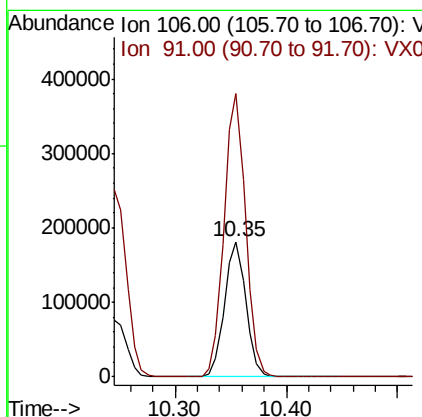
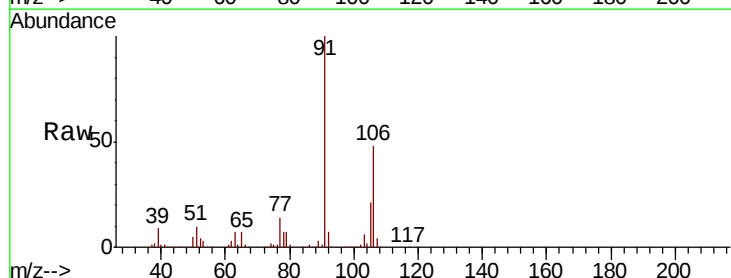
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 325509
Ion Ratio Lower Upper
91 100
106 30.3 25.8 38.8



#68
m/p-Xylenes
Concen: 90.462 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX012116.D
Acq: 05 Sep 2019 22:17

Tgt Ion: 106 Resp: 240600
Ion Ratio Lower Upper
106 100
91 211.6 157.5 236.3

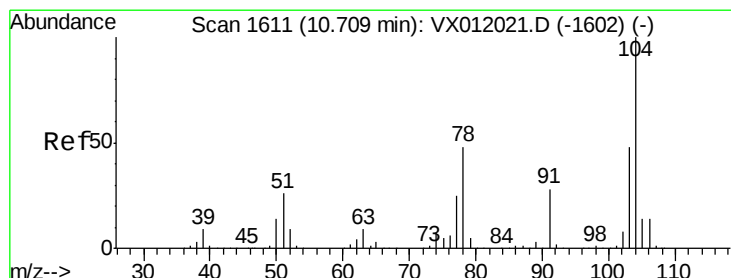
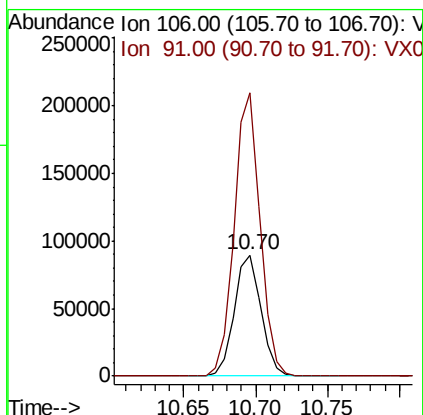
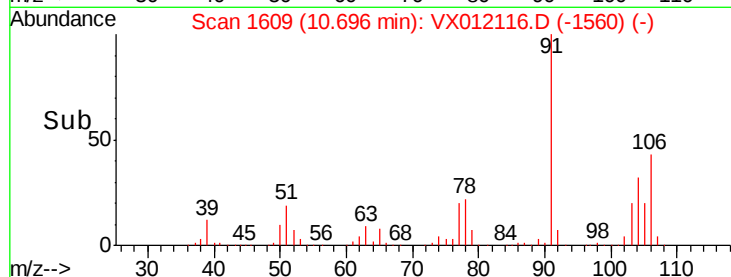
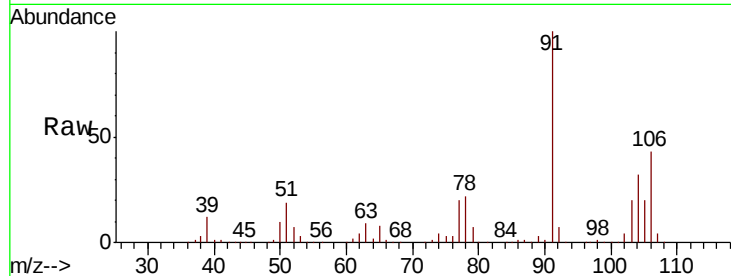




#69
o-Xylene
Concen: 44.925 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX012116.D
Acq: 05 Sep 2019 22:17

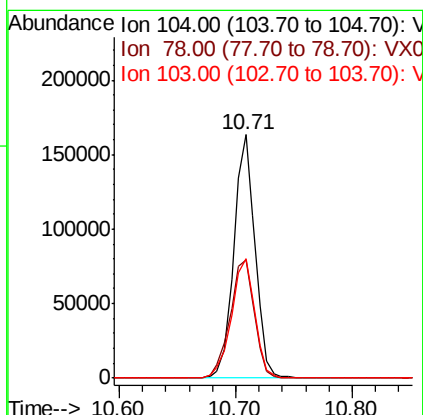
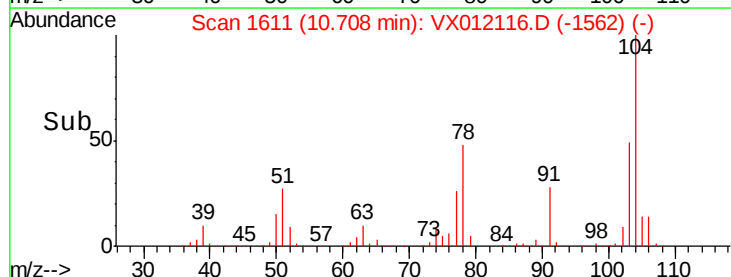
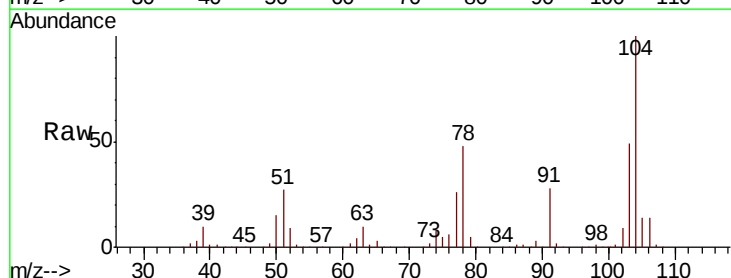
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

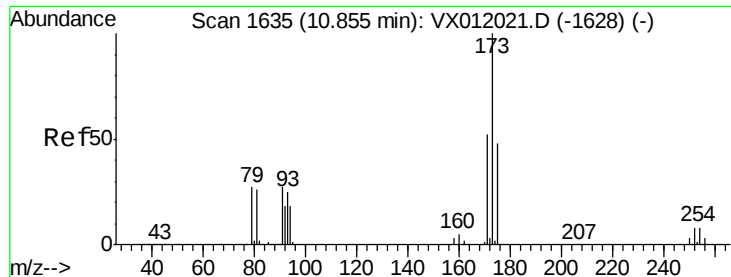
Tgt Ion:106 Resp: 115865
Ion Ratio Lower Upper
106 100
91 226.9 103.5 310.3



#70
Styrene
Concen: 46.144 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX012116.D
Acq: 05 Sep 2019 22:17

Tgt Ion:104 Resp: 206708
Ion Ratio Lower Upper
104 100
78 55.8 39.1 58.7
103 54.2 43.4 65.2





#71

Bromoform

Concen: 46.249 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VX012116.D

Acq: 05 Sep 2019 22:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

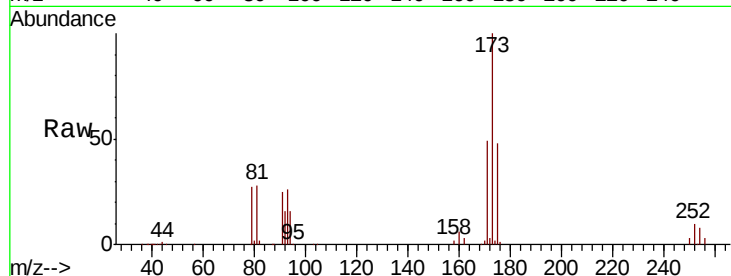
Tgt Ion:173 Resp: 36784

Ion Ratio Lower Upper

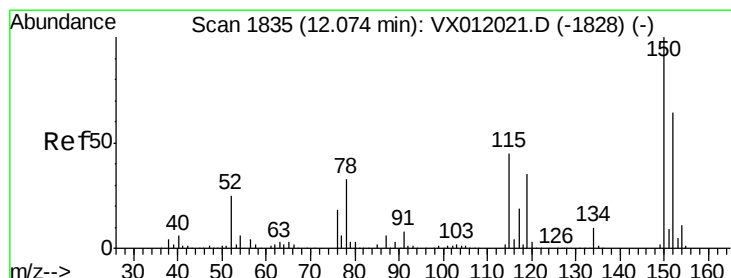
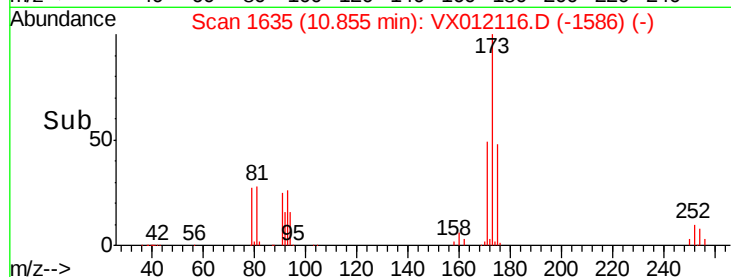
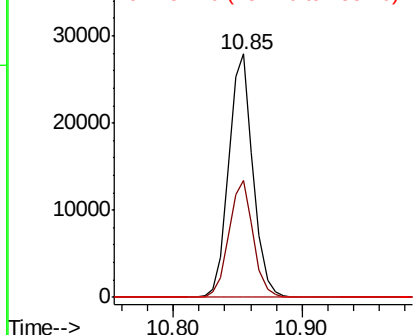
173 100

175 47.9 24.9 74.7

254 0.1 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012116.D

Acq: 05 Sep 2019 22:17

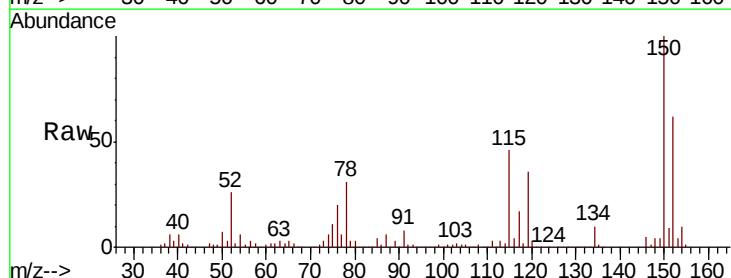
Tgt Ion:152 Resp: 98513

Ion Ratio Lower Upper

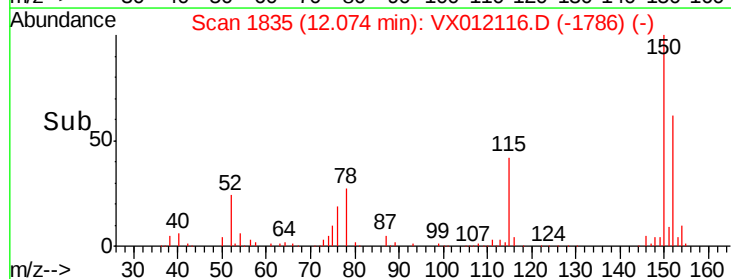
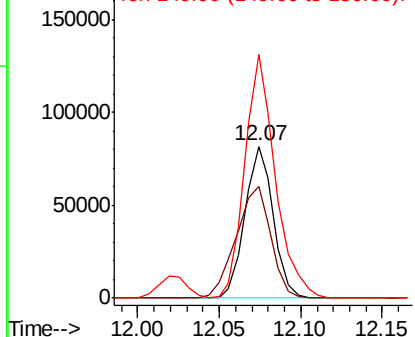
152 100

115 90.2 36.4 109.3

150 173.5 0.0 341.2



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





#73

Isopropylbenzene

Concen: 43.794 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX012116.D

Acq: 05 Sep 2019 22:17

Instrument :

MSVOA_X

ClientSampleId :

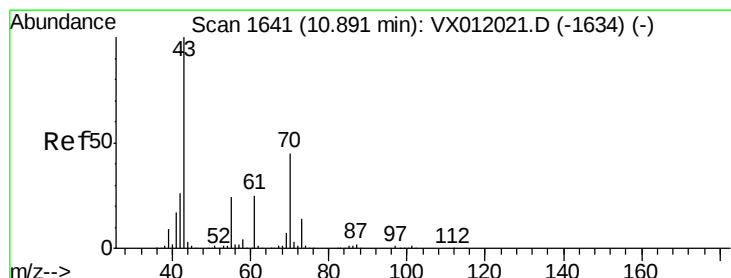
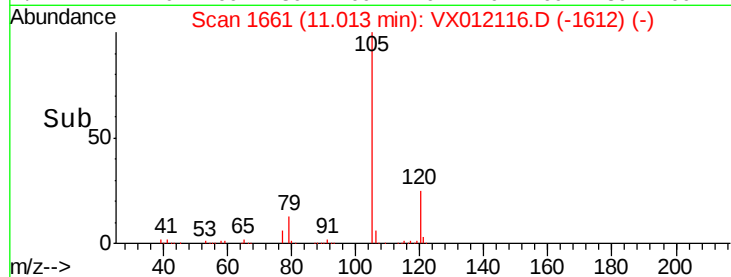
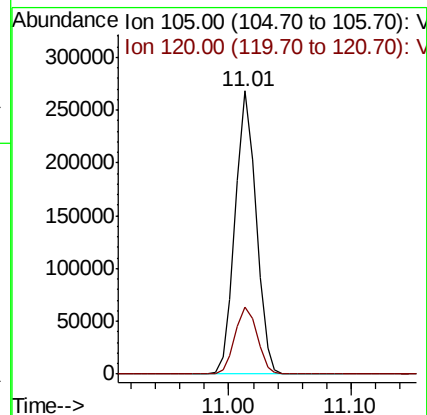
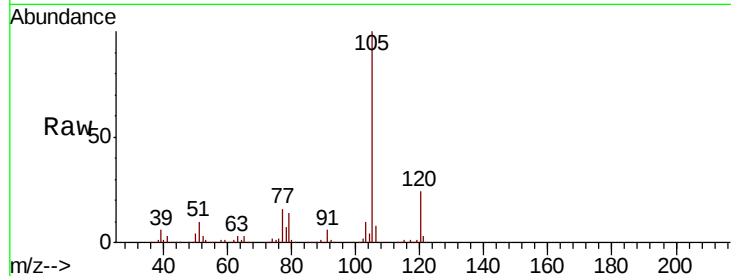
VSTDCCC050EC

Tgt Ion: 105 Resp: 316545

Ion Ratio Lower Upper

105 100

120 25.2 13.9 41.6



#74

N-ethyl acetate

Concen: 46.160 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX012116.D

Acq: 05 Sep 2019 22:17

Tgt Ion: 43 Resp: 98649

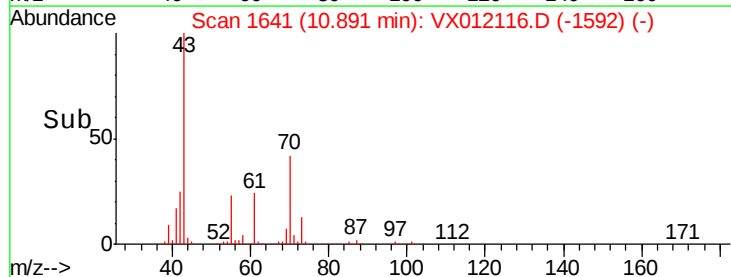
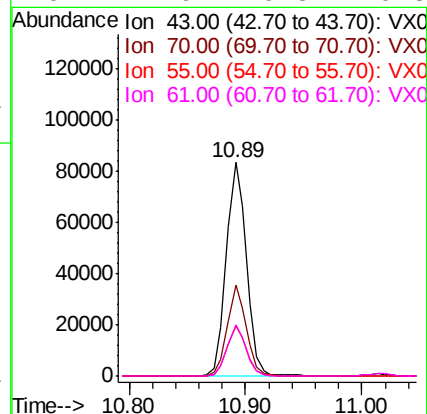
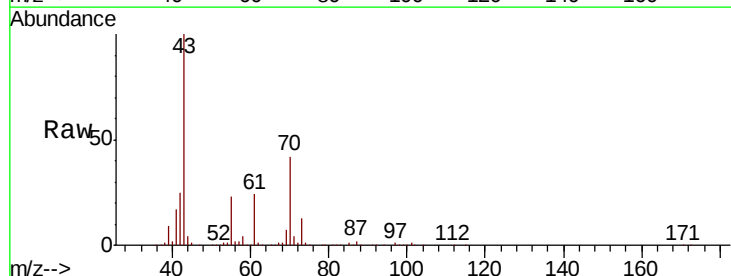
Ion Ratio Lower Upper

43 100

70 40.6 34.4 51.6

55 22.8 18.5 27.7

61 22.9 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 45.406 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX012116.D

Acq: 05 Sep 2019 22:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

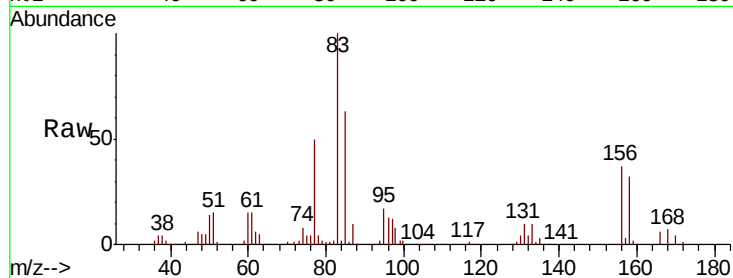
Tgt Ion: 83 Resp: 68420

Ion Ratio Lower Upper

83 100

131 10.5 6.3 19.1

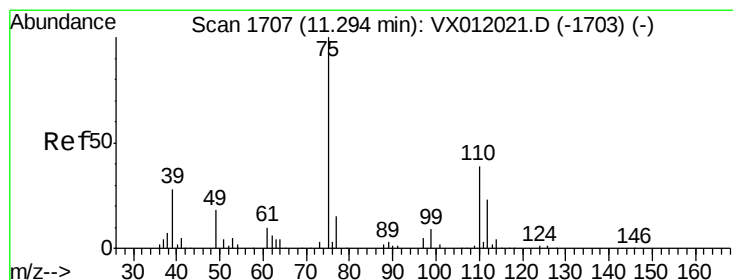
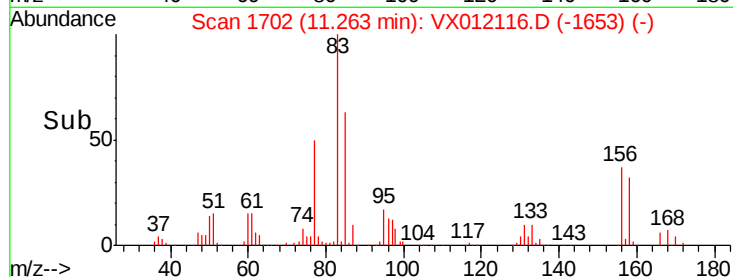
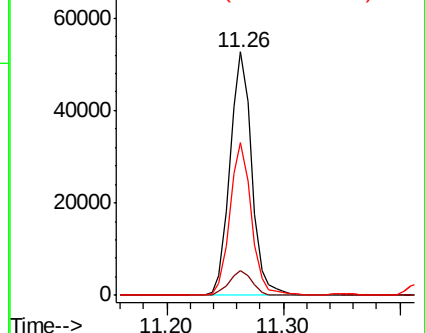
85 62.1 32.5 97.4



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: 62.997 ug/l

RT: 11.29 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX012116.D

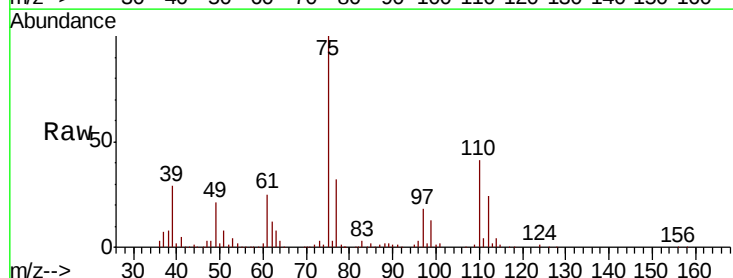
Acq: 05 Sep 2019 22:17

Tgt Ion: 75 Resp: 75828

Ion Ratio Lower Upper

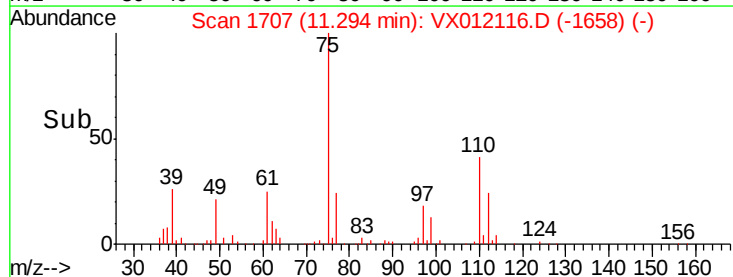
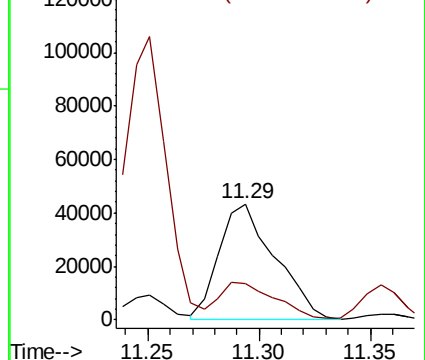
75 100

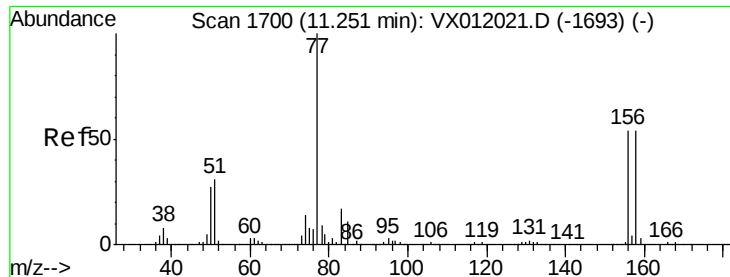
77 32.1 23.5 70.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 44.722 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX012116.D

Acq: 05 Sep 2019 22:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

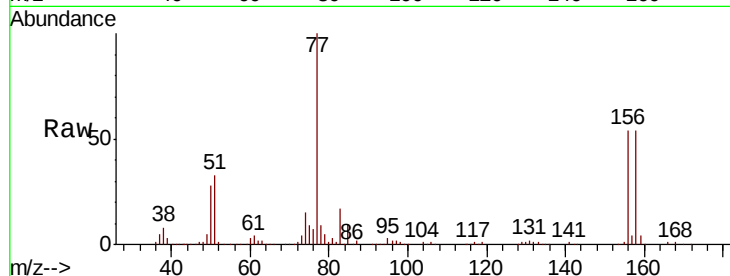
Tgt Ion:156 Resp: 72296

Ion Ratio Lower Upper

156 100

77 190.9 63.4 190.2#

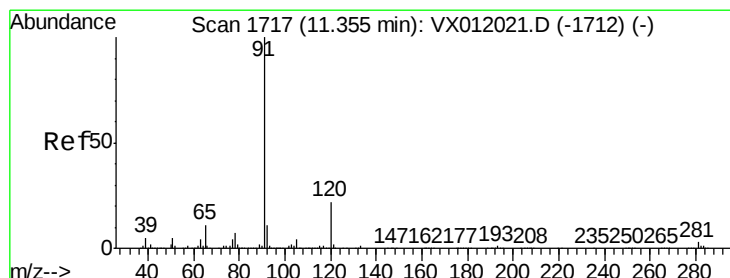
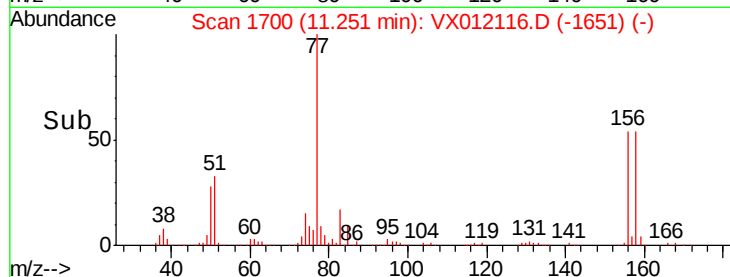
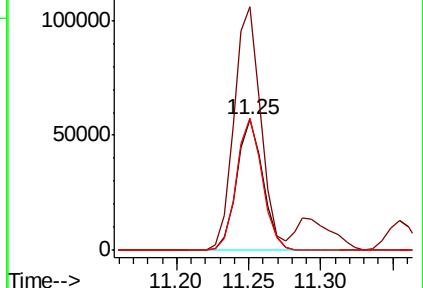
158 99.7 48.9 146.6



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: 42.669 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX012116.D

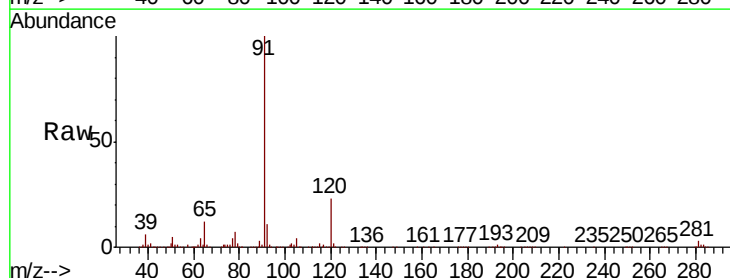
Acq: 05 Sep 2019 22:17

Tgt Ion: 91 Resp: 372596

Ion Ratio Lower Upper

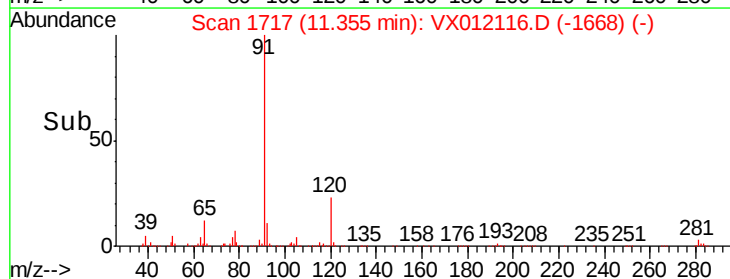
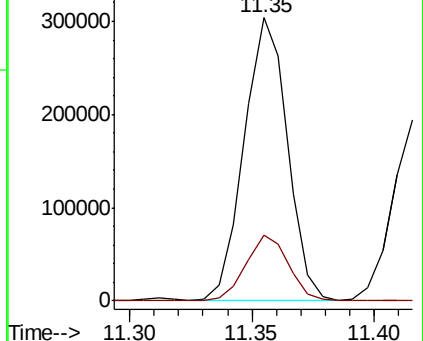
91 100

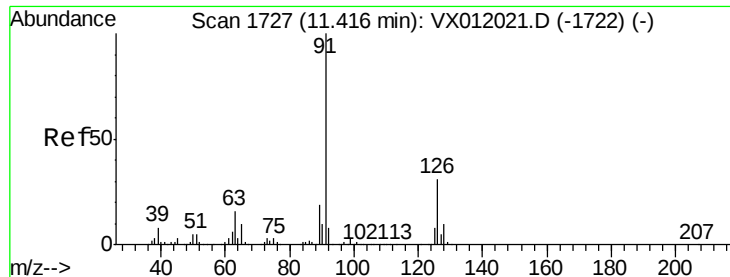
120 22.9 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 44.869 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX012116.D

Acq: 05 Sep 2019 22:17

Instrument :

MSVOA_X

ClientSampleId :

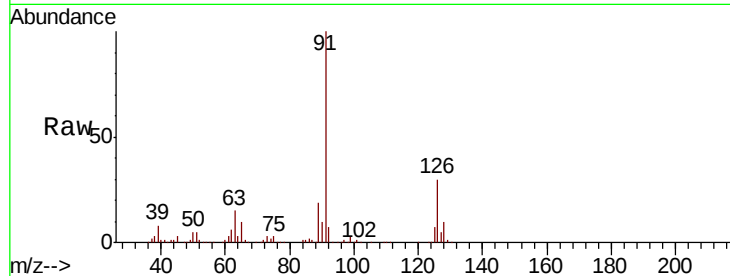
VSTDCCC050EC

Tgt Ion: 91 Resp: 237371

Ion Ratio Lower Upper

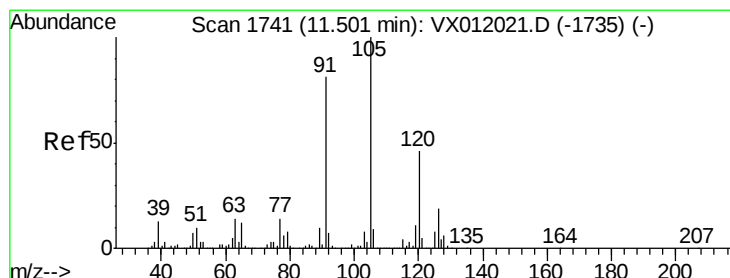
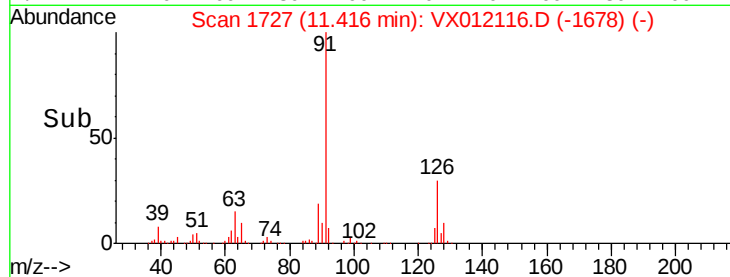
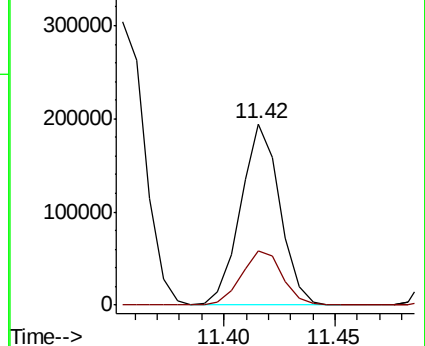
91 100

126 31.6 18.6 55.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 45.077 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX012116.D

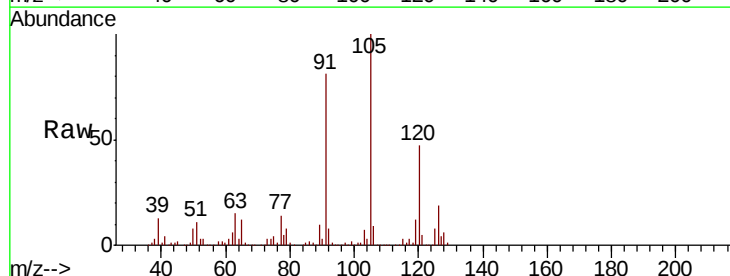
Acq: 05 Sep 2019 22:17

Tgt Ion: 105 Resp: 285531

Ion Ratio Lower Upper

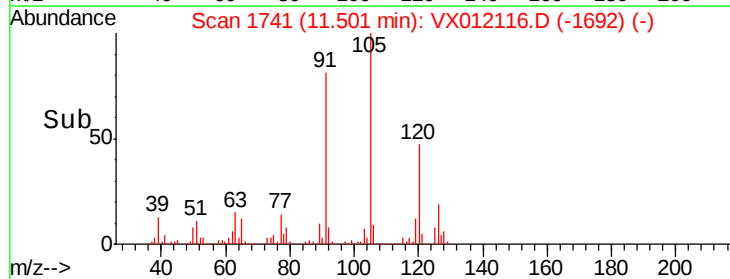
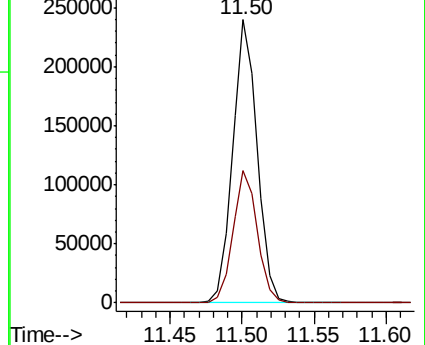
105 100

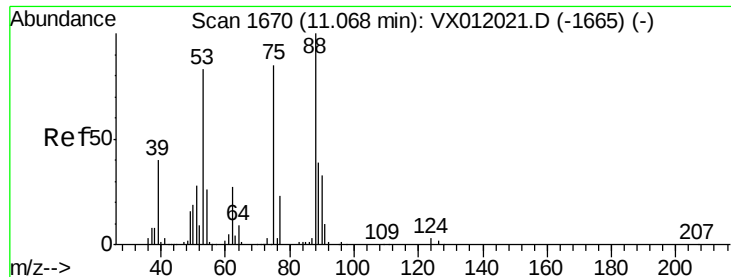
120 46.5 25.8 77.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 39.913 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VX012116.D

Acq: 05 Sep 2019 22:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

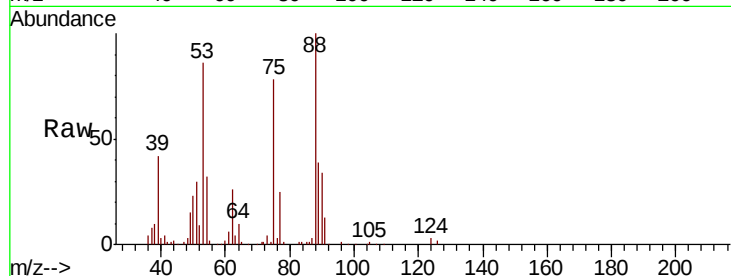
Tgt Ion: 75 Resp: 20321

Ion Ratio Lower Upper

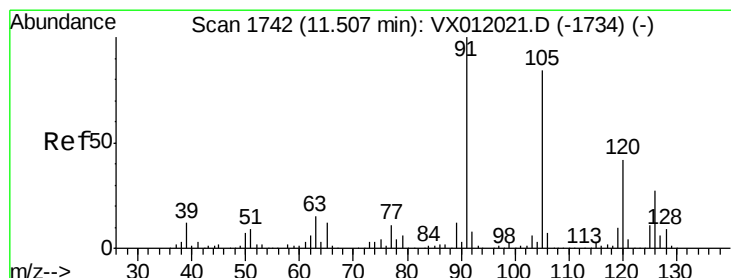
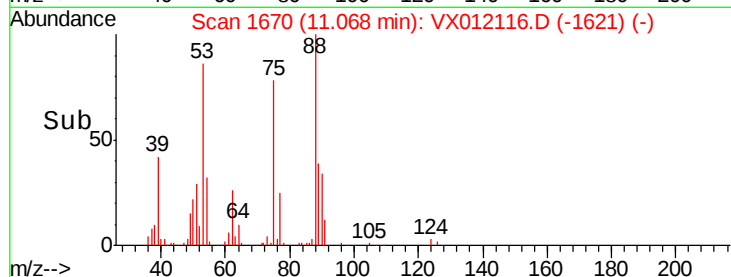
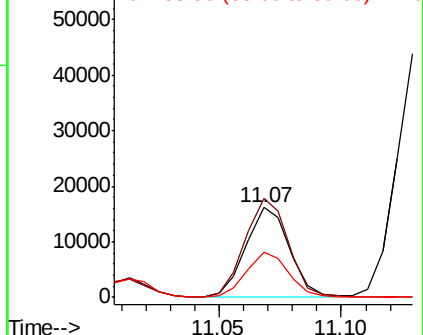
75 100

53 108.3 78.6 117.8

89 48.1 38.8 58.2



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: 45.501 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VX012116.D

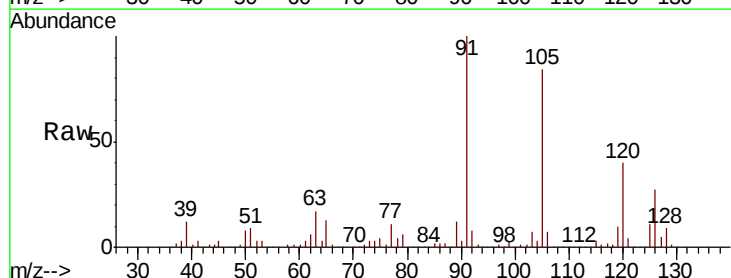
Acq: 05 Sep 2019 22:17

Tgt Ion: 91 Resp: 286906

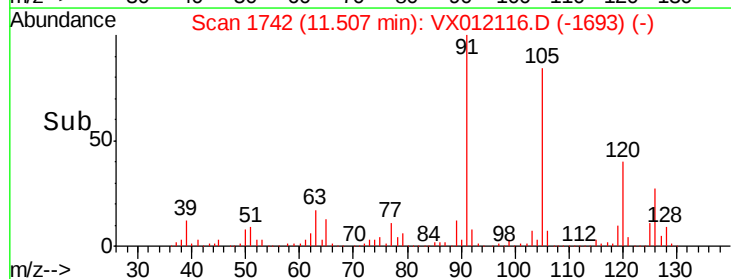
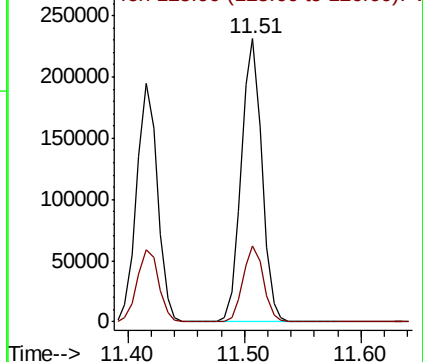
Ion Ratio Lower Upper

91 100

126 26.7 16.2 48.6



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

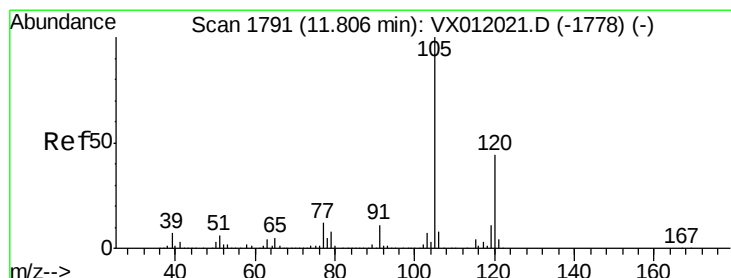
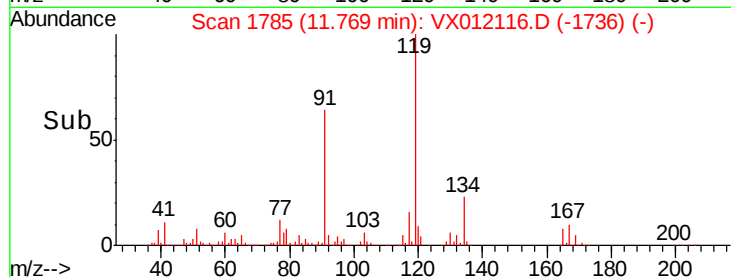
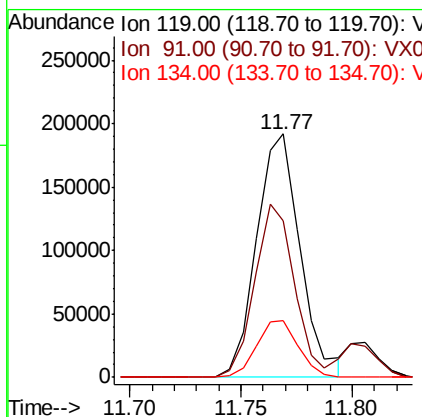
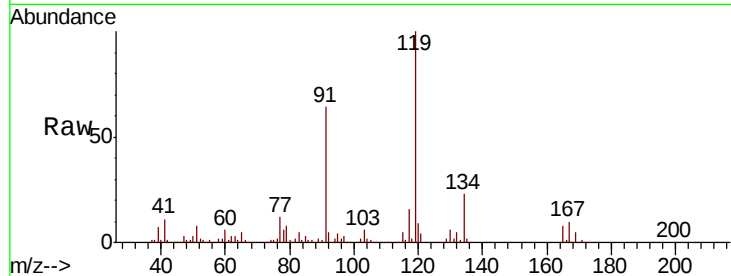




#83
 tert-Butylbenzene
 Concen: 43.231 ug/l
 RT: 11.77 min Scan# 1785
 Delta R.T. -0.00 min
 Lab File: VX012116.D
 Acq: 05 Sep 2019 22:17

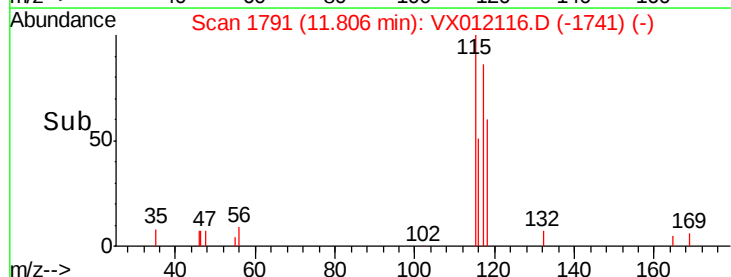
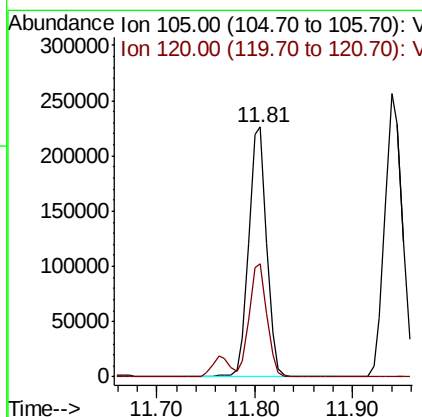
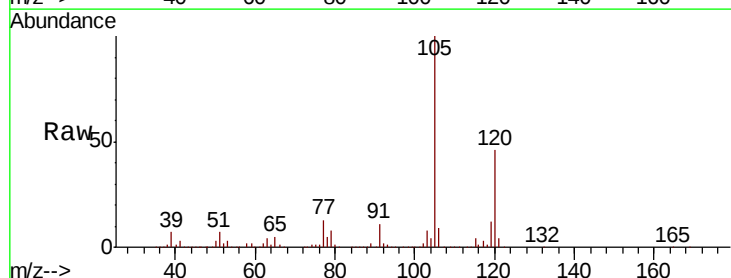
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

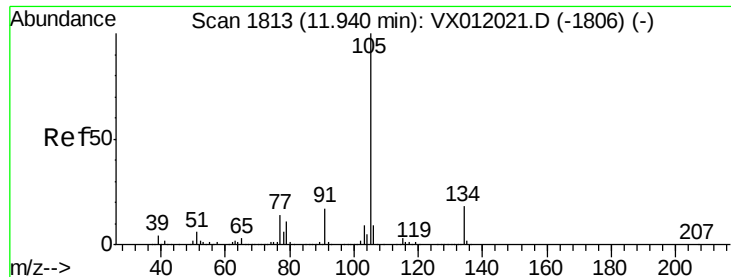
Tgt Ion:119 Resp: 260996
 Ion Ratio Lower Upper
 119 100
 91 65.1 27.1 81.2
 134 22.6 12.1 36.3



#84
 1,2,4-Trimethylbenzene
 Concen: 43.977 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. 0.01 min
 Lab File: VX012116.D
 Acq: 05 Sep 2019 22:17

Tgt Ion:105 Resp: 286300
 Ion Ratio Lower Upper
 105 100
 120 44.7 23.6 70.8





#85

sec-Butylbenzene

Concen: 42.539 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX012116.D

Acq: 05 Sep 2019 22:17

Instrument :

MSVOA_X

ClientSampleId :

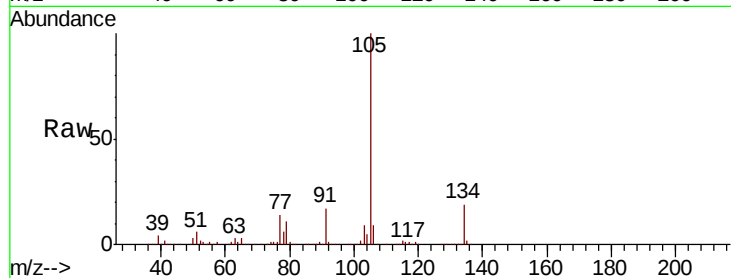
VSTDCCC050EC

Tgt Ion:105 Resp: 318993

Ion Ratio Lower Upper

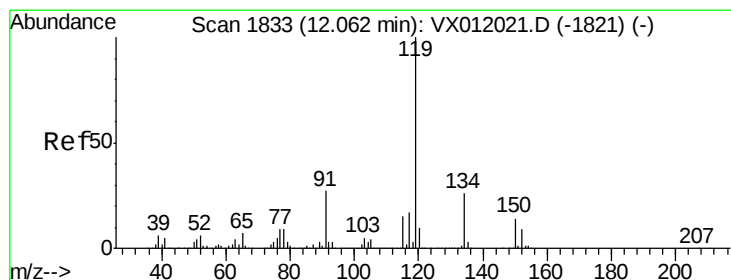
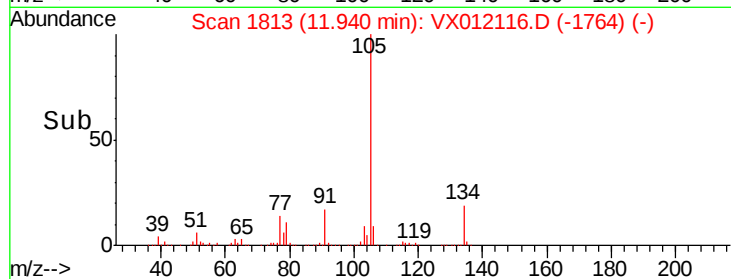
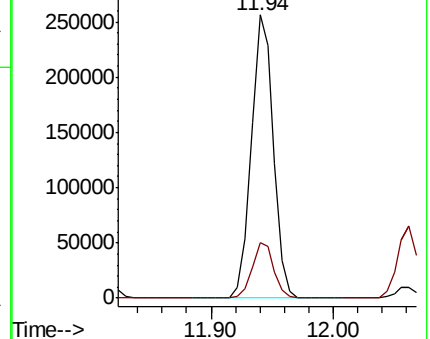
105 100

134 19.4 11.2 33.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 42.455 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX012116.D

Acq: 05 Sep 2019 22:17

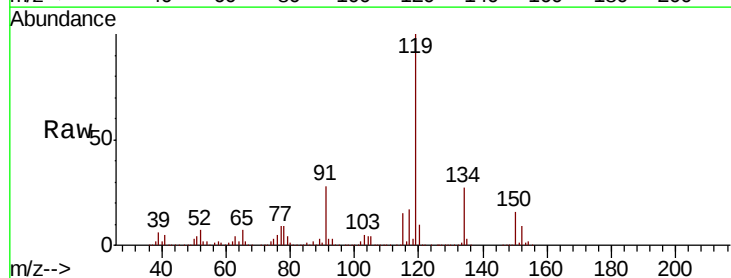
Tgt Ion:119 Resp: 289529

Ion Ratio Lower Upper

119 100

134 25.8 13.7 41.1

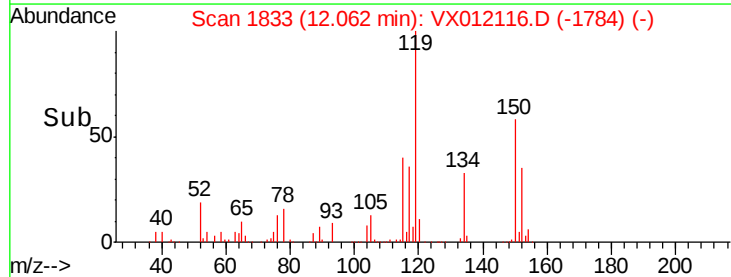
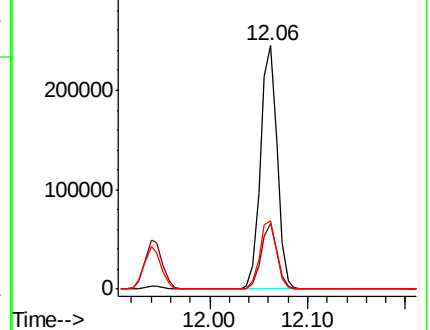
91 28.2 11.4 34.1

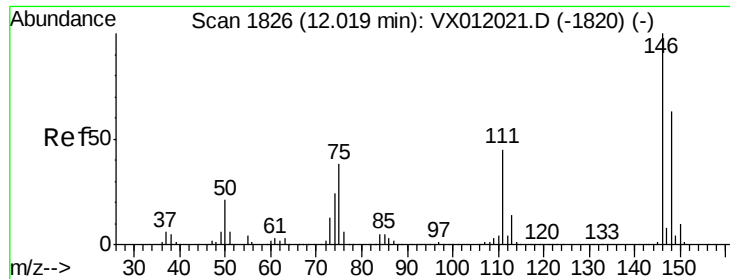


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

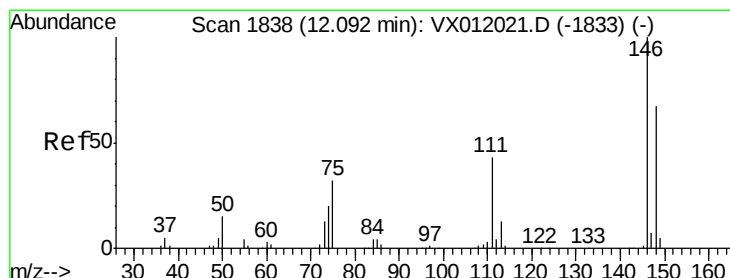
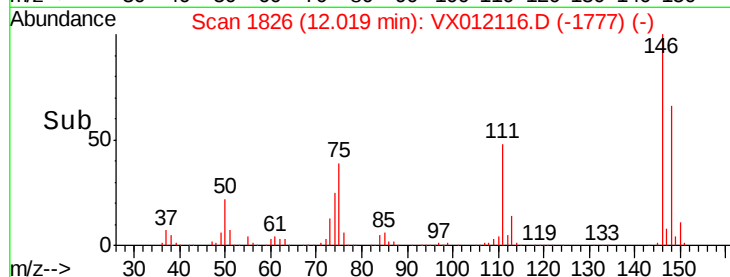
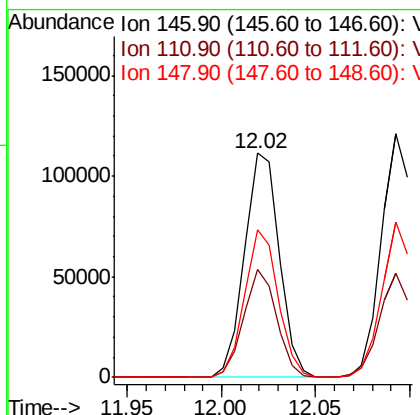
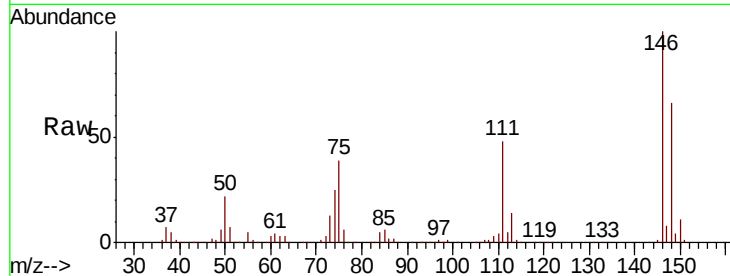




#87
 1,3-Dichlorobenzene
 Concen: 44.324 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX012116.D
 Acq: 05 Sep 2019 22:17

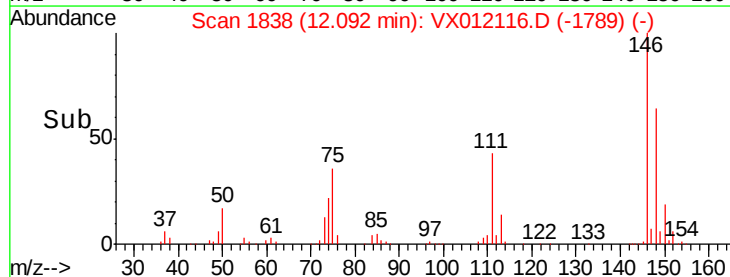
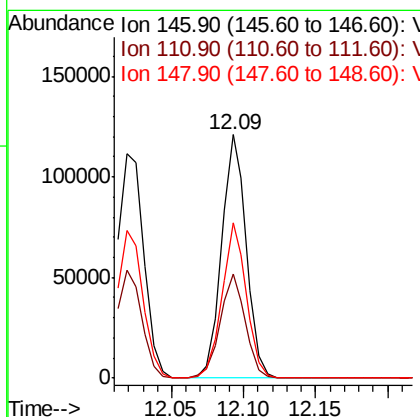
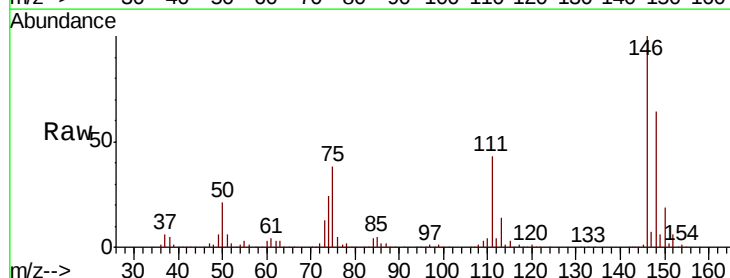
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

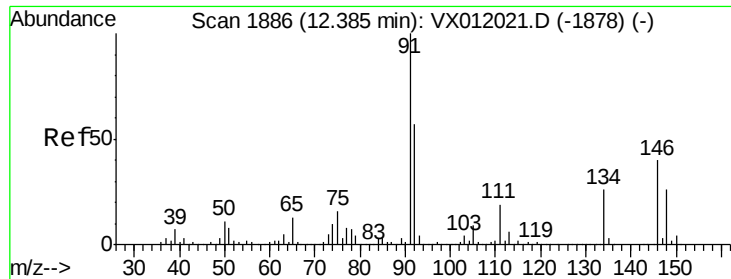
Tgt Ion:146 Resp: 143577
 Ion Ratio Lower Upper
 146 100
 111 45.7 18.1 54.1
 148 63.2 32.6 97.8



#88
 1,4-Dichlorobenzene
 Concen: 44.903 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX012116.D
 Acq: 05 Sep 2019 22:17

Tgt Ion:146 Resp: 145436
 Ion Ratio Lower Upper
 146 100
 111 43.6 17.7 53.1
 148 62.9 32.4 97.0





#89

n-Butylbenzene

Concen: 42.645 ug/l

RT: 12.38 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX012116.D

Acq: 05 Sep 2019 22:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

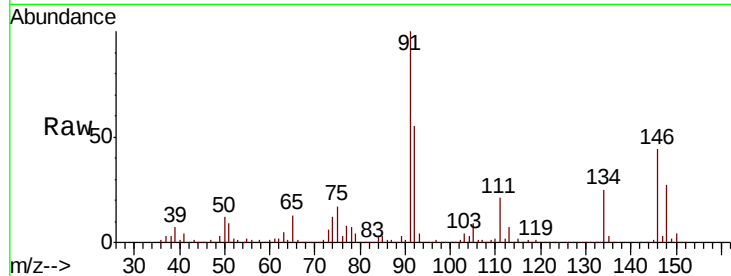
Tgt Ion: 91 Resp: 282512

Ion Ratio Lower Upper

91 100

92 54.4 27.6 82.8

134 24.9 15.4 46.1

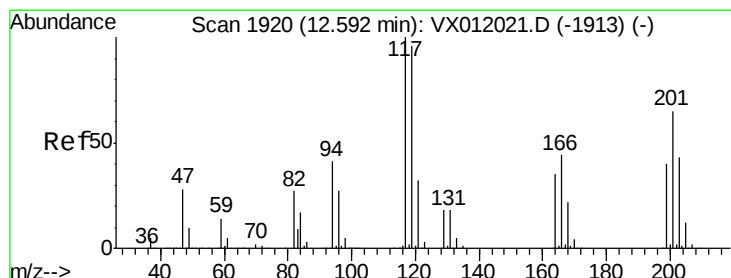
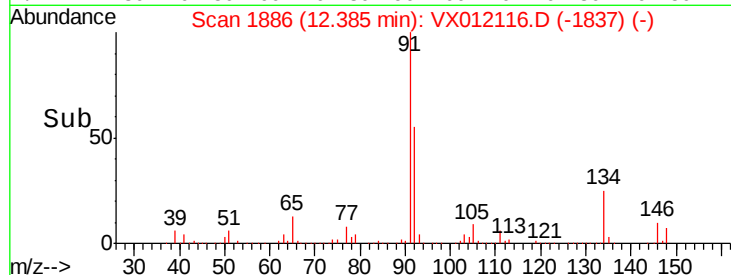


Abundance Ion 91.00 (90.70 to 91.70): VX012021.D (-1878) (-)

Ion 92.00 (91.70 to 92.70): VX012021.D (-1878) (-)

Ion 134.00 (133.70 to 134.70): VX012021.D (-1878) (-)

Time-->



#90

Hexachloroethane

Concen: 41.586 ug/l

RT: 12.59 min Scan# 1920

Delta R.T. -0.00 min

Lab File: VX012116.D

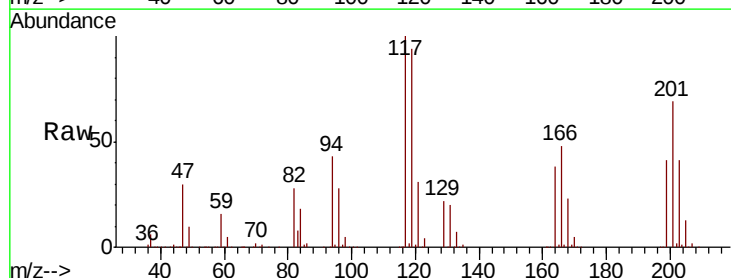
Acq: 05 Sep 2019 22:17

Tgt Ion: 117 Resp: 56627

Ion Ratio Lower Upper

117 100

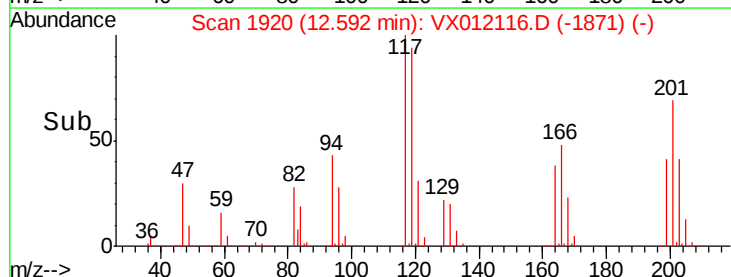
201 66.7 55.0 165.2

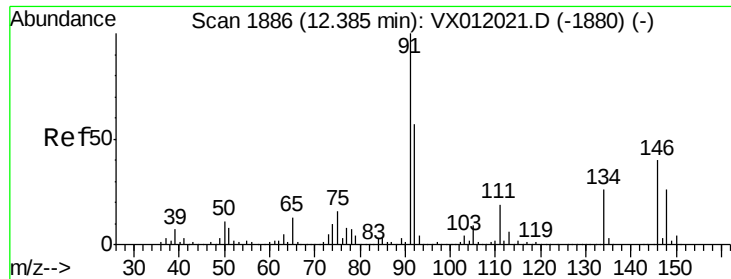


Abundance Ion 116.80 (116.50 to 117.50): VX012021.D (-1913) (-)

Ion 200.70 (200.40 to 201.40): VX012021.D (-1913) (-)

Time-->

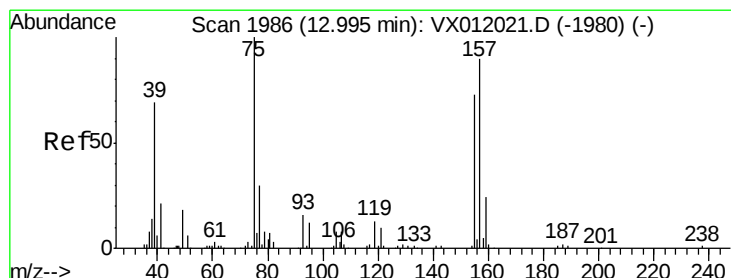
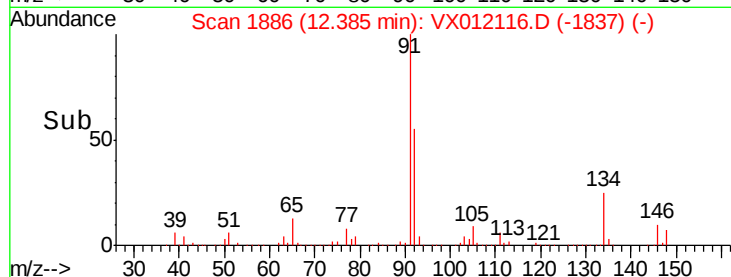
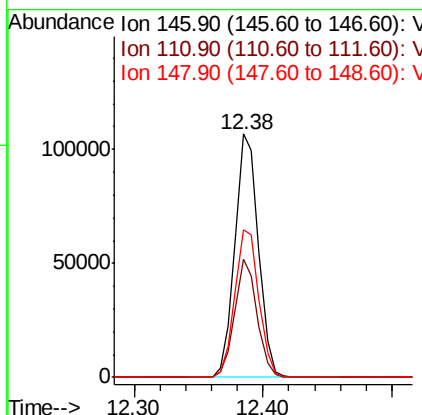
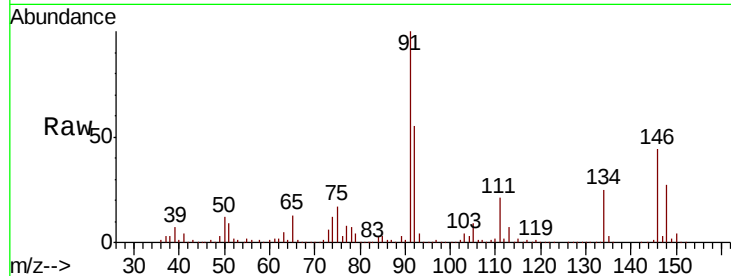




#91
 1,2-Dichlorobenzene
 Concen: 46.552 ug/l
 RT: 12.38 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX012116.D
 Acq: 05 Sep 2019 22:17

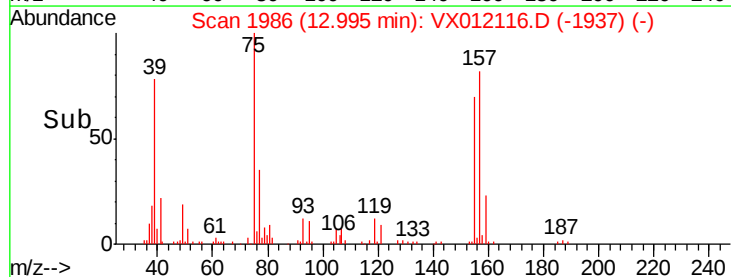
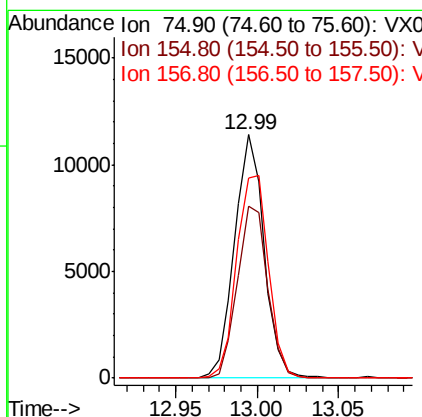
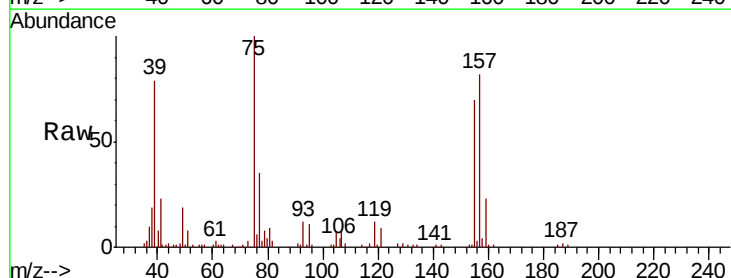
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

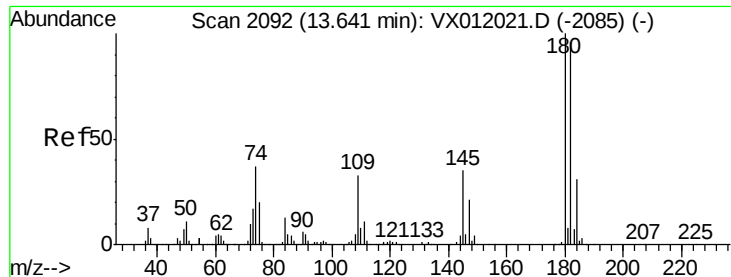
Tgt Ion: 146 Resp: 135809
 Ion Ratio Lower Upper
 146 100
 111 46.4 18.6 56.0
 148 62.3 32.4 97.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.708 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX012116.D
 Acq: 05 Sep 2019 22:17

Tgt Ion: 75 Resp: 14413
 Ion Ratio Lower Upper
 75 100
 155 72.3 51.7 155.2
 157 89.5 66.9 200.7

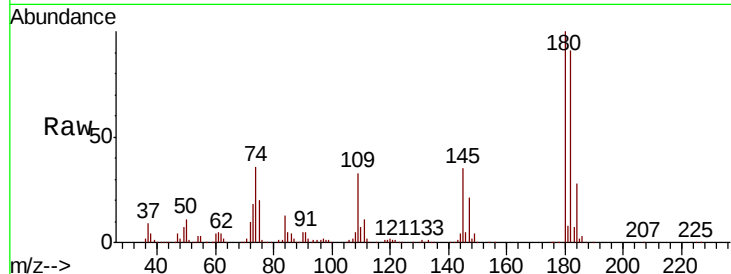




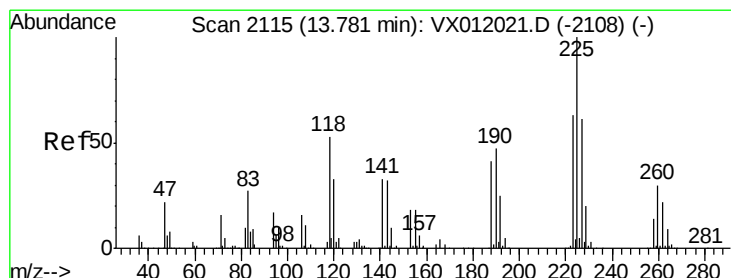
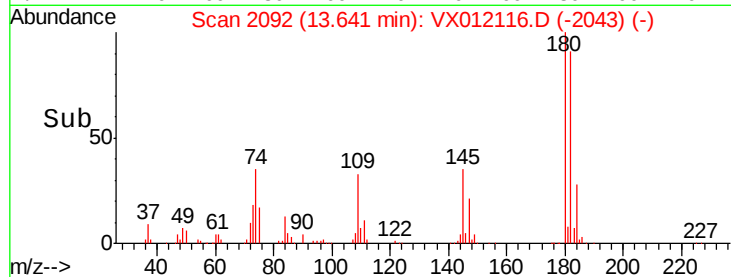
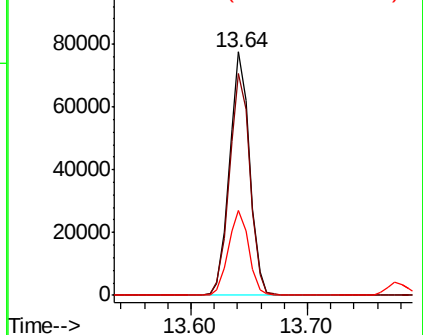
#93
 1,2,4-Trichlorobenzene
 Concen: 44.780 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX012116.D
 Acq: 05 Sep 2019 22:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:180 Resp: 92984
 Ion Ratio Lower Upper
 180 100
 182 93.0 47.3 142.0
 145 35.1 13.7 41.0

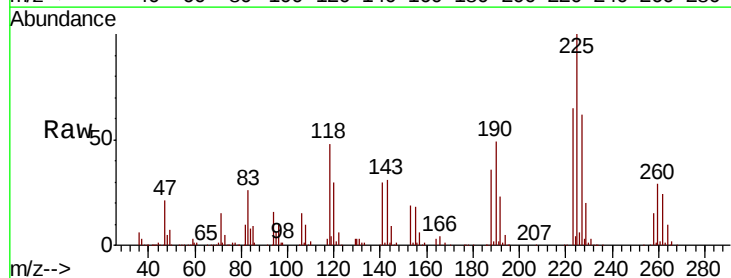


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

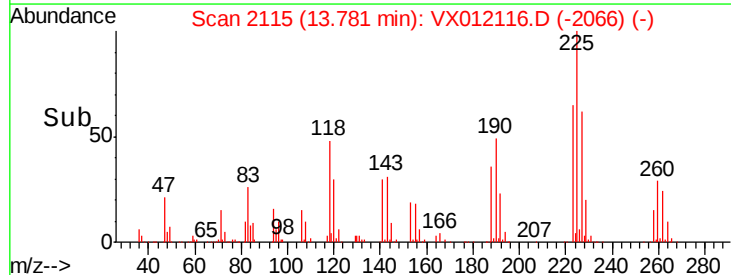
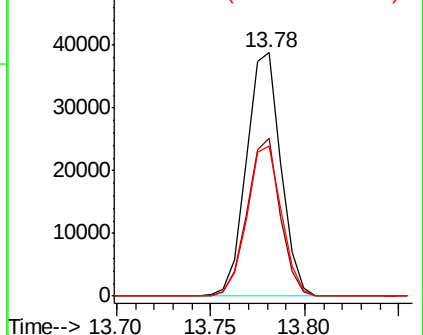


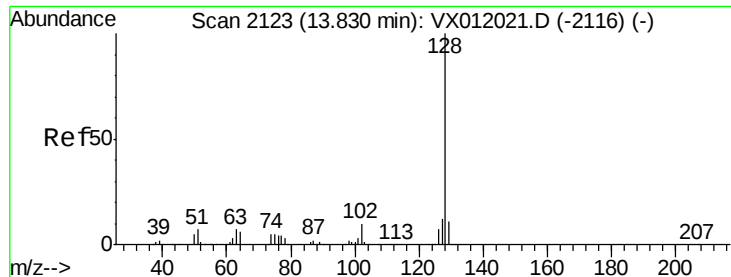
#94
 Hexachlorobutadiene
 Concen: 46.864 ug/l
 RT: 13.78 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VX012116.D
 Acq: 05 Sep 2019 22:17

Tgt Ion:225 Resp: 49053
 Ion Ratio Lower Upper
 225 100
 223 62.0 31.6 95.0
 227 62.0 32.5 97.5



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

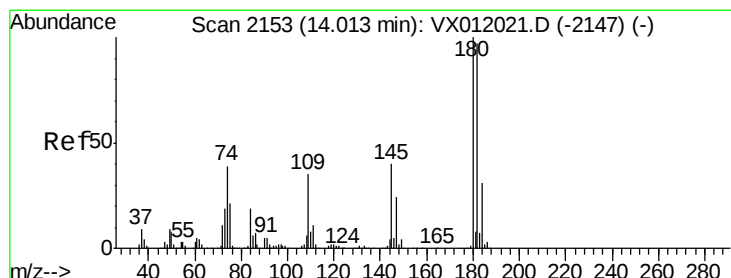
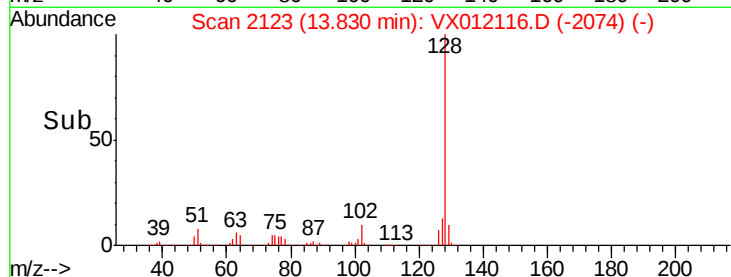
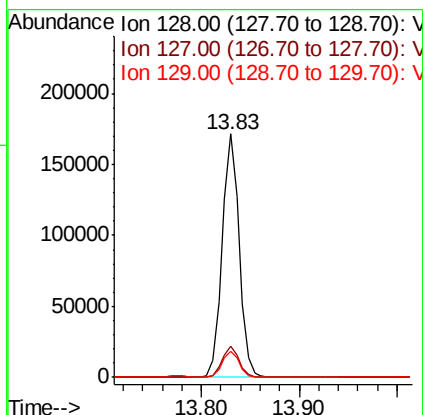
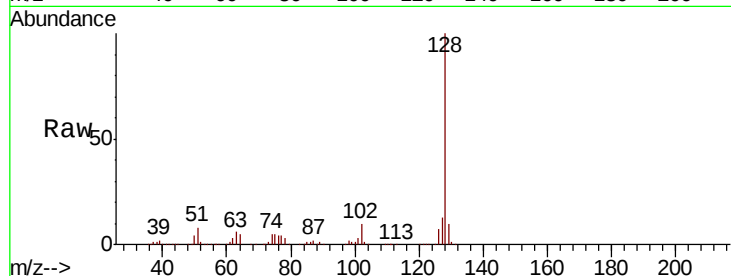




#95
Naphthalene
Concen: 45.799 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX012116.D
Acq: 05 Sep 2019 22:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 205824
Ion Ratio Lower Upper
128 100
127 12.8 10.5 15.7
129 10.6 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 45.289 ug/l
RT: 14.02 min Scan# 2154
Delta R.T. -0.00 min
Lab File: VX012116.D
Acq: 05 Sep 2019 22:17

Tgt Ion:180 Resp: 82735
Ion Ratio Lower Upper
180 100
182 96.4 47.9 143.6
145 37.1 14.1 42.4

