

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091819\
 Data File : VX012462.D
 Acq On : 18 Sep 2019 10:30
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 18 14:04:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	206576	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	335531	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	303699	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	156627	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	138616	46.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.64%	
35) Dibromofluoromethane	5.48	113	101259	49.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.72%	
50) Toluene-d8	8.71	98	378115	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	
62) 4-Bromofluorobenzene	11.13	95	158389	50.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	66556	48.304	ug/l	97
3) Chloromethane	1.32	50	52844	46.530	ug/l	98
4) Vinyl Chloride	1.40	62	57644	46.961	ug/l	96
5) Bromomethane	1.63	94	21982	45.582	ug/l	97
6) Chloroethane	1.71	64	40385	42.044	ug/l	95
7) Trichlorofluoromethane	1.92	101	114042	50.682	ug/l	100
8) Diethyl Ether	2.18	74	46809	46.056	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	81161	49.851	ug/l	99
10) Methyl Iodide	2.50	142	52051	38.388	ug/l	98
11) Tert butyl alcohol	3.03	59	150853	199.743	ug/l	100
12) 1,1-Dichloroethene	2.36	96	63533	48.918	ug/l	98
13) Acrolein	2.28	56	46463	178.240	ug/l	98
14) Allyl chloride	2.72	41	142906	47.262	ug/l	100
15) Acrylonitrile	3.13	53	284700	221.908	ug/l	99
16) Acetone	2.43	43	348992	258.242	ug/l	98
17) Carbon Disulfide	2.56	76	80426	44.012	ug/l	100
18) Methyl Acetate	2.76	43	134081	43.461	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	327537	46.254	ug/l	99
20) Methylene Chloride	2.84	84	82427	46.003	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	65696	48.712	ug/l	96
22) Diisopropyl ether	3.84	45	328255	46.365	ug/l	94
23) Vinyl Acetate	3.80	43	1380474	237.039	ug/l	100
24) 1,1-Dichloroethane	3.69	63	161185	47.584	ug/l	98
25) 2-Butanone	4.65	43	454936	221.521	ug/l	98
26) 2,2-Dichloropropane	4.57	77	155360	46.635	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	96342	47.820	ug/l	98
28) Bromochloromethane	5.00	49	84613	48.452	ug/l	98
29) Tetrahydrofuran	5.11	42	254014	223.892	ug/l	99
30) Chloroform	5.19	83	178871	45.979	ug/l	97
31) Cyclohexane	5.56	56	101532	49.653	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	155629	47.864	ug/l	99
36) 1,1-Dichloropropene	5.78	75	100451	49.260	ug/l	98
37) Ethyl Acetate	4.81	43	151771	48.487	ug/l	99
38) Carbon Tetrachloride	5.77	117	127441	50.249	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX091819\
 Data File : VX012462.D
 Acq On : 18 Sep 2019 10:30
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 18 14:04:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	104863	52.898	ug/l	98
40) Benzene	6.13	78	321163	49.527	ug/l	98
41) Methacrylonitrile	5.02	41	91812	45.553	ug/l	98
42) 1,2-Dichloroethane	6.18	62	145359	48.330	ug/l	100
43) Isopropyl Acetate	6.43	43	262122	46.657	ug/l	100
44) Trichloroethene	7.20	130	89881	52.692	ug/l	99
45) 1,2-Dichloropropane	7.50	63	95785	48.079	ug/l	96
46) Dibromomethane	7.65	93	63279	49.083	ug/l	100
47) Bromodichloromethane	7.89	83	144146	50.215	ug/l	100
48) Methyl methacrylate	7.76	41	124826	47.134	ug/l	99
49) 1,4-Dioxane	7.73	88	57901	898.316	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	845726	229.549	ug/l	100
52) Toluene	8.78	92	210018	50.262	ug/l	100
53) t-1,3-Dichloropropene	9.03	75	151614	50.810	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	158145	51.193	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	105061	48.804	ug/l	96
56) Ethyl methacrylate	9.17	69	164665	48.924	ug/l	97
57) 1,3-Dichloropropane	9.37	76	169578	49.372	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.30	63	450756	258.721	ug/l	100
59) 2-Hexanone	9.48	43	660020	229.624	ug/l	98
60) Dibromochloromethane	9.57	129	114123	52.045	ug/l	99
61) 1,2-Dibromoethane	9.67	107	100276	51.003	ug/l	98
64) Tetrachloroethene	9.33	164	77793	55.899	ug/l	92
65) Chlorobenzene	10.14	112	250941	50.063	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	105900	50.905	ug/l	99
67) Ethyl Benzene	10.25	91	434840	50.493	ug/l	99
68) m/p-Xylenes	10.36	106	328570	104.860	ug/l	98
69) o-Xylene	10.69	106	166084	51.540	ug/l	99
70) Styrene	10.71	104	297539	52.186	ug/l	98
71) Bromoform	10.85	173	80551	45.259	ug/l #	99
73) Isopropylbenzene	11.01	105	466000	47.418	ug/l	98
74) N-amyl acetate	10.89	43	235288	44.470	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	167825	43.534	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	201482	56.001	ug/l	85
77) Bromobenzene	11.25	156	113464	47.341	ug/l	99
78) n-propylbenzene	11.35	91	538308	49.147	ug/l	99
79) 2-Chlorotoluene	11.42	91	333214	46.763	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	404806	48.299	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	54088	41.813	ug/l	97
82) 4-Chlorotoluene	11.51	91	393301	48.092	ug/l	100
83) tert-Butylbenzene	11.76	119	419525	46.713	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	413730	48.077	ug/l	99
85) sec-Butylbenzene	11.94	105	485089	49.018	ug/l	99
86) p-Isopropyltoluene	12.06	119	449319	49.445	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	221361	49.099	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	224193	48.410	ug/l	99
89) n-Butylbenzene	12.39	91	405971	50.070	ug/l	99
90) Hexachloroethane	12.59	117	79582	47.762	ug/l	94
91) 1,2-Dichlorobenzene	12.39	146	221578	47.023	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	44457	44.482	ug/l	98

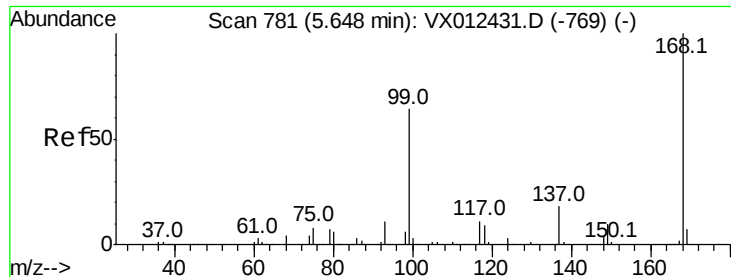
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091819\
Data File : VX012462.D
Acq On : 18 Sep 2019 10:30
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Sep 18 14:04:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 17 15:27:10 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	157991	52.053	ug/l	99
94) Hexachlorobutadiene	13.78	225	67690	47.318	ug/l	98
95) Naphthalene	13.83	128	537310	49.752	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	159246	51.487	ug/l	99

(#) = 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: VX012462.D

Acq: 18 Sep 2019 10:30

Instrument :

MSVOA_X

ClientSampleId :

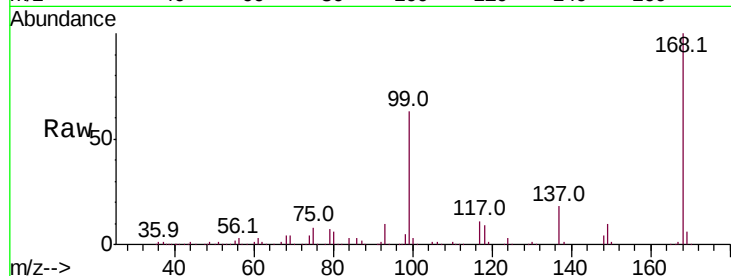
VSTDCCC050

Tot Ion:168 Resp: 206576

Ion Ratio Lower Upper

168 100

99 62.9 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

80000

60000

40000

20000

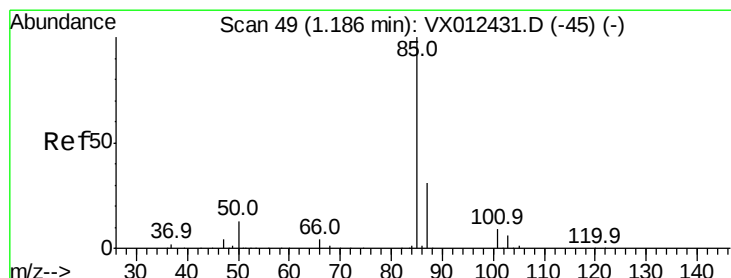
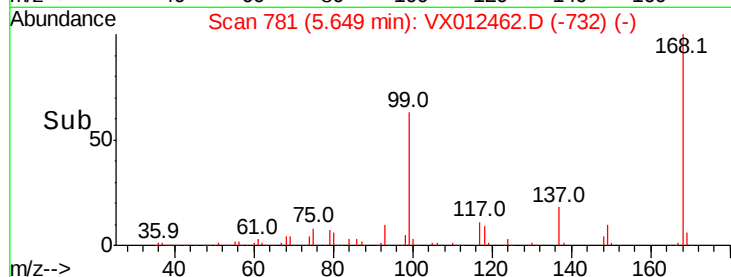
0

Time-->

5.50

5.60

5.70



#2

Dichlorodifluoromethane

Concen: 48.304 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX012462.D

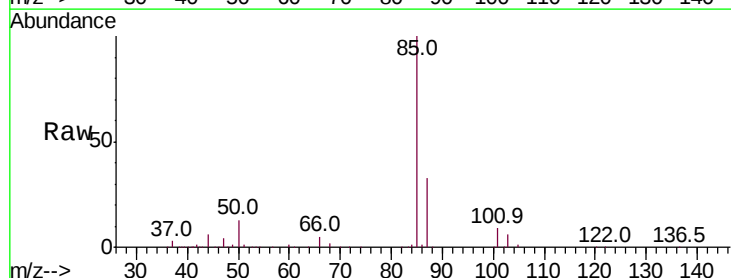
Acq: 18 Sep 2019 10:30

Tgt Ion: 85 Resp: 66556

Ion Ratio Lower Upper

85 100

87 32.8 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

60000

40000

20000

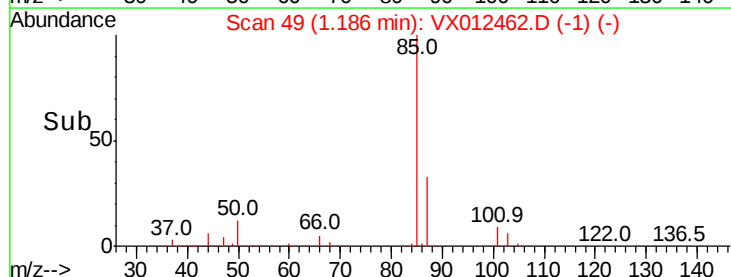
0

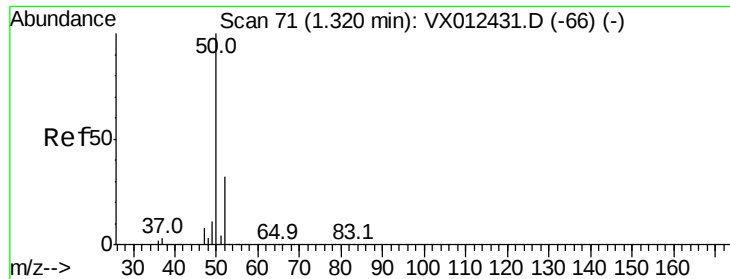
Time-->

1.15

1.20

1.25





#3

Chloromethane

Concen: 46.530 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012462.D

Acq: 18 Sep 2019 10:30

Instrument :

MSVOA_X

ClientSampleId :

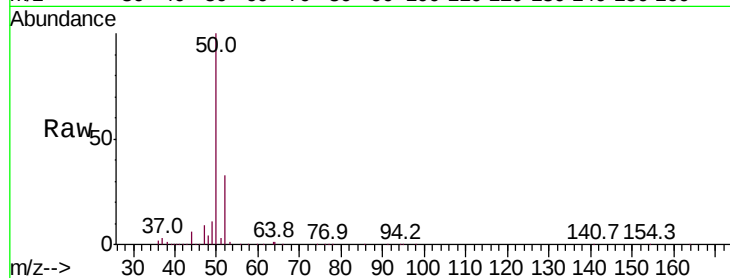
VSTDCCC050

Tot Ion: 50 Resp: 52844

Ion Ratio Lower Upper

50 100

52 33.3 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

50000

40000

30000

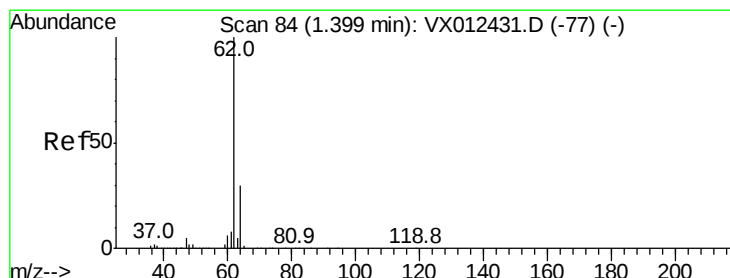
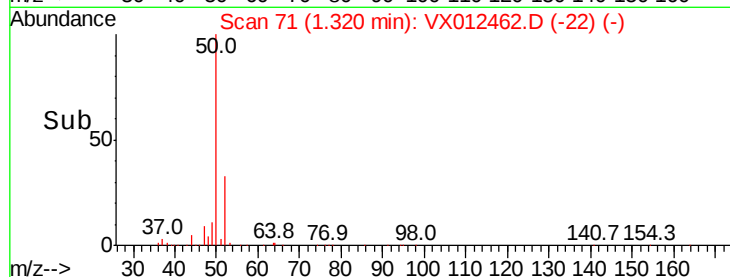
20000

10000

0

Time-->

1.25 1.30 1.35 1.40



#4

Vinyl Chloride

Concen: 46.961 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX012462.D

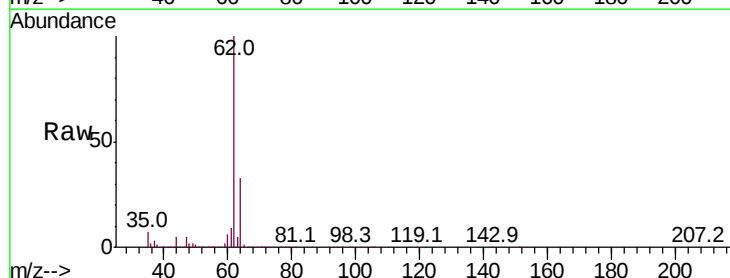
Acq: 18 Sep 2019 10:30

Tgt Ion: 62 Resp: 57644

Ion Ratio Lower Upper

62 100

64 32.3 24.2 36.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

60000

50000

40000

30000

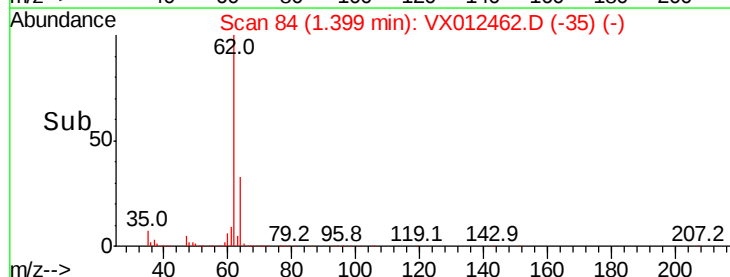
20000

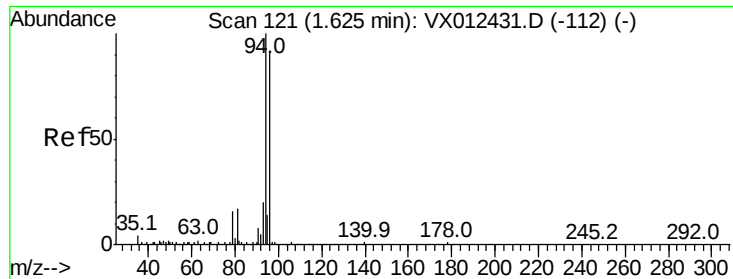
10000

0

Time-->

1.35 1.40 1.45 1.50





#5

Bromomethane

Concen: 45.582 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX012462.D

Acq: 18 Sep 2019 10:30

Instrument :

MSVOA_X

ClientSampleId :

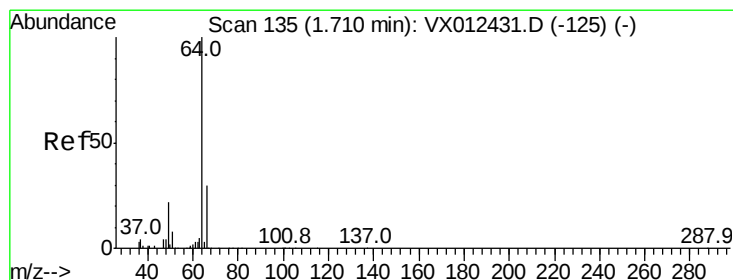
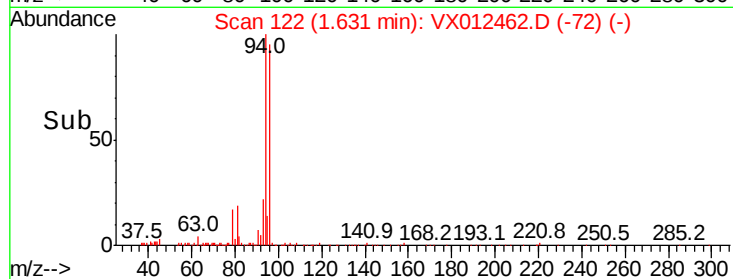
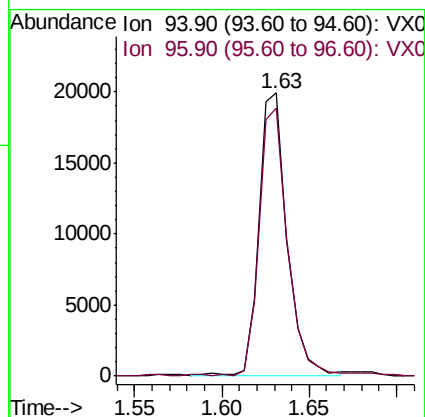
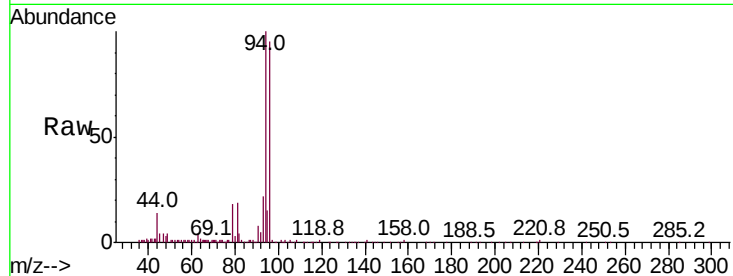
VSTDCCC050

Tot Ion: 94 Resp: 21982

Ion Ratio Lower Upper

94 100

96 94.3 72.8 109.2



#6

Chloroethane

Concen: 42.044 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX012462.D

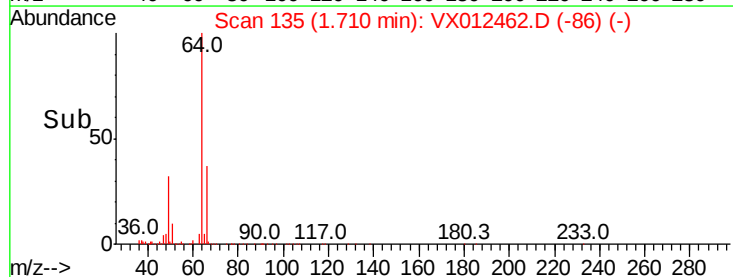
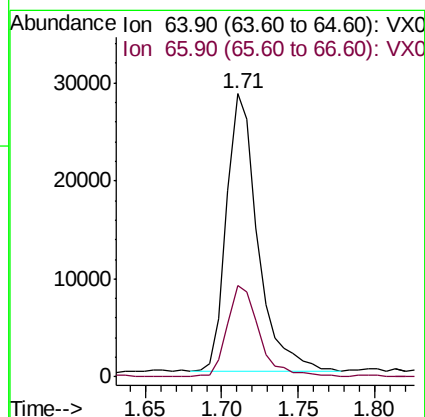
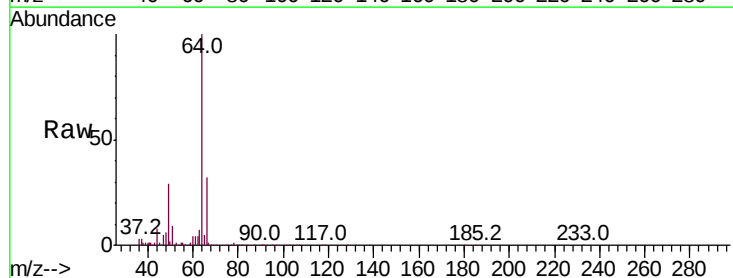
Acq: 18 Sep 2019 10:30

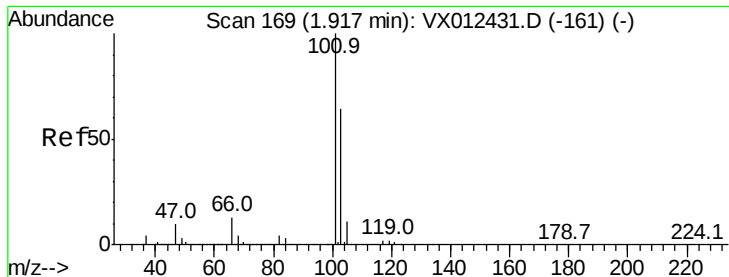
Tgt Ion: 64 Resp: 40385

Ion Ratio Lower Upper

64 100

66 32.7 24.0 36.0



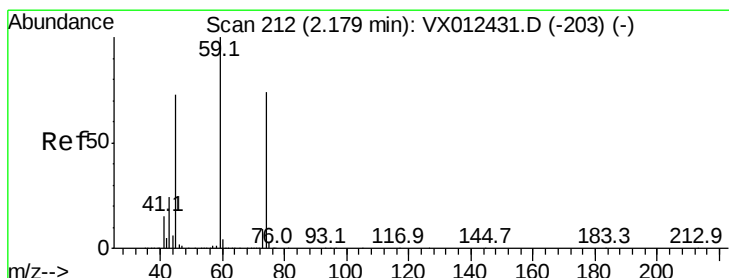
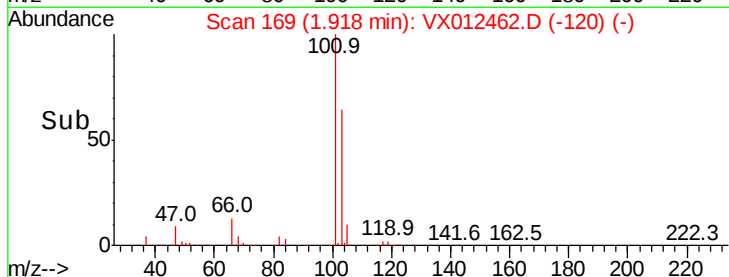
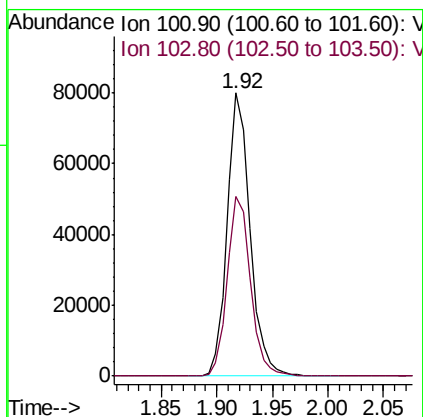
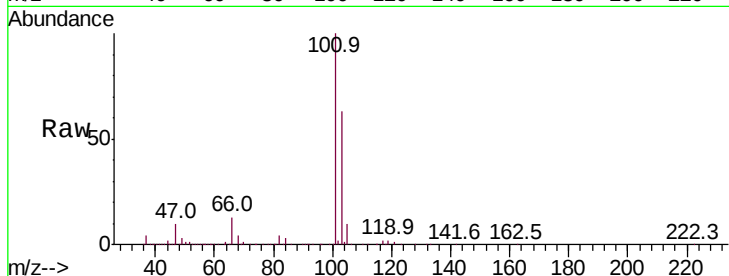


#7

Trichlorofluoromethane
Concen: 50.682 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX012462.D
Acq: 18 Sep 2019 10:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

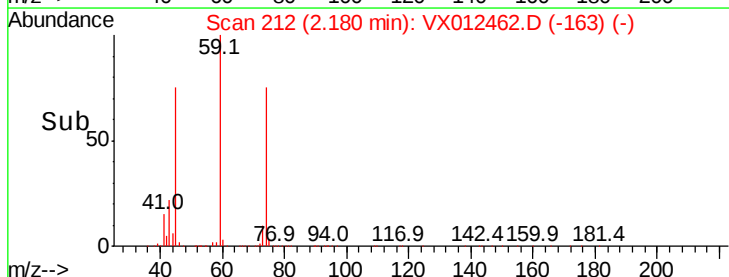
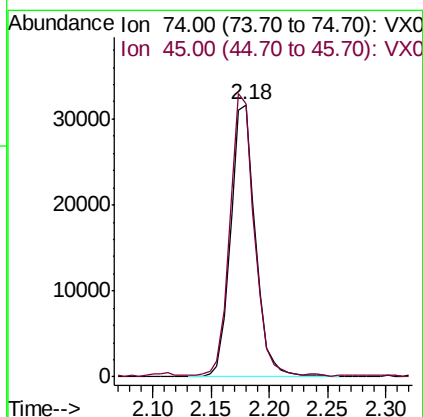
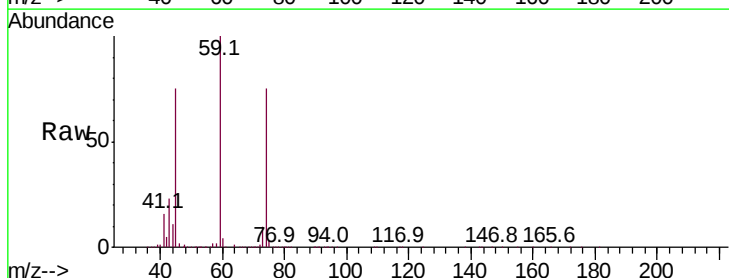
Tot Ion:101 Resp: 114042
Ion Ratio Lower Upper
101 100
103 63.4 51.0 76.4

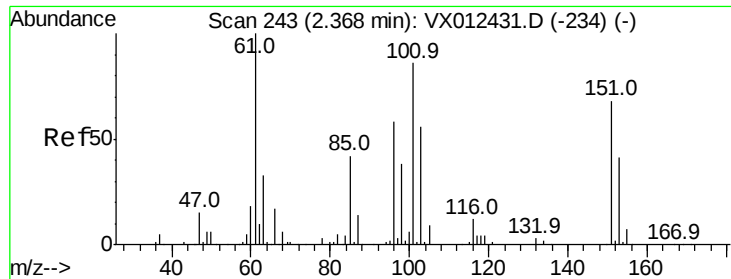


#8

Diethyl Ether
Concen: 46.056 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX012462.D
Acq: 18 Sep 2019 10:30

Tgt Ion: 74 Resp: 46809
Ion Ratio Lower Upper
74 100
45 101.0 49.9 149.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.851 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.00 min

Lab File: VX012462.D

Acq: 18 Sep 2019 10:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

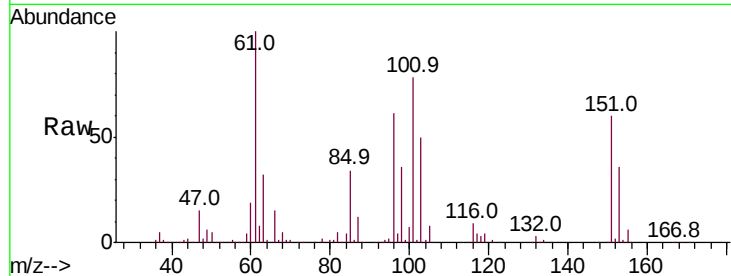
Tot Ion:101 Resp: 81161

Ion Ratio Lower Upper

101 100

85 44.7 37.3 55.9

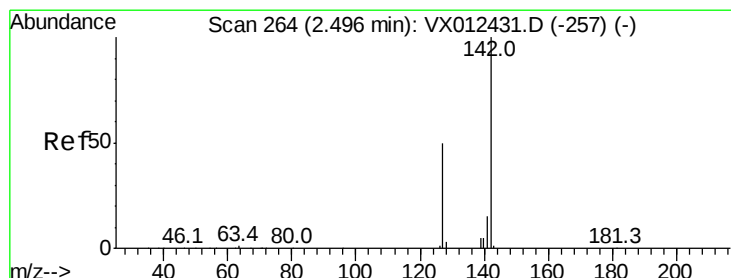
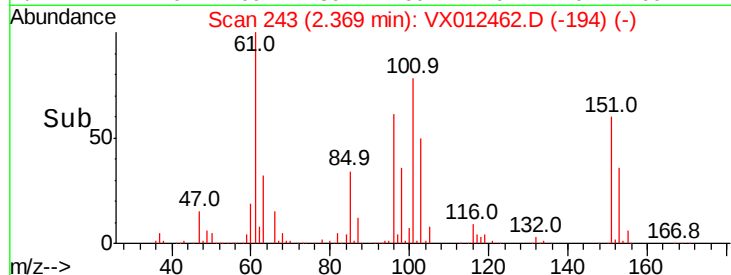
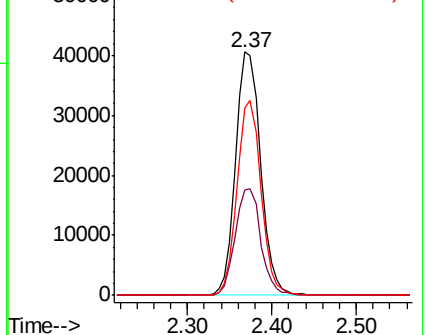
151 76.6 61.0 91.4



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: 38.388 ug/l

RT: 2.50 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX012462.D

Acq: 18 Sep 2019 10:30

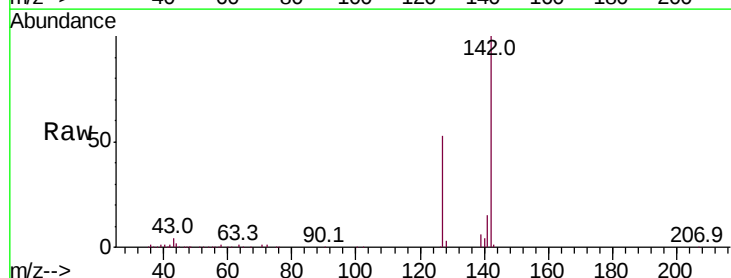
Tgt Ion:142 Resp: 52051

Ion Ratio Lower Upper

142 100

127 49.5 40.8 61.2

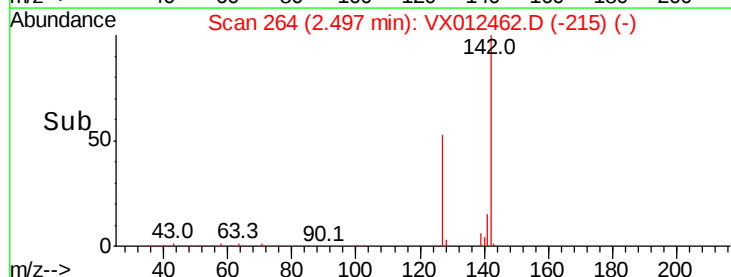
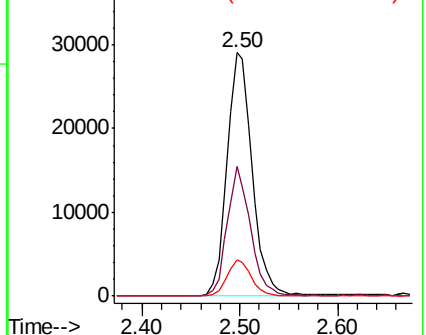
141 14.2 12.1 18.1

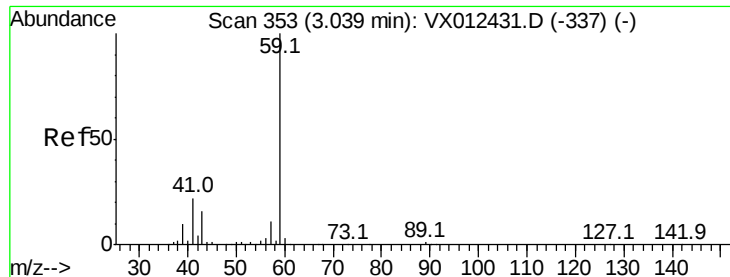


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



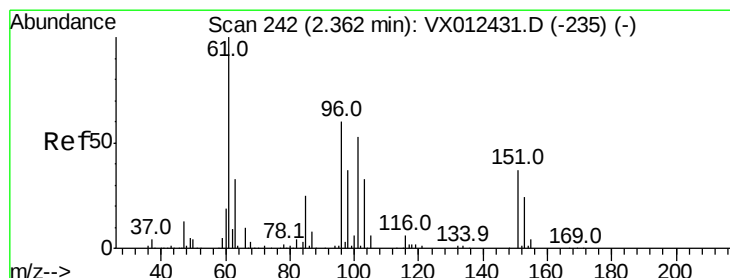
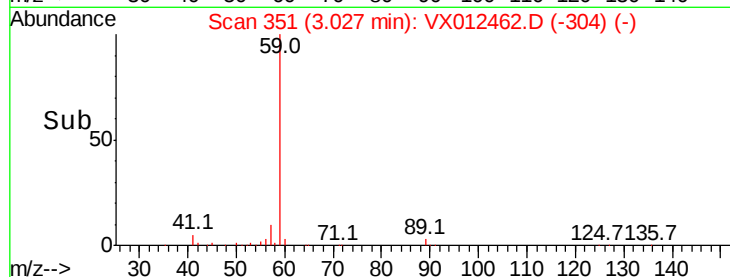
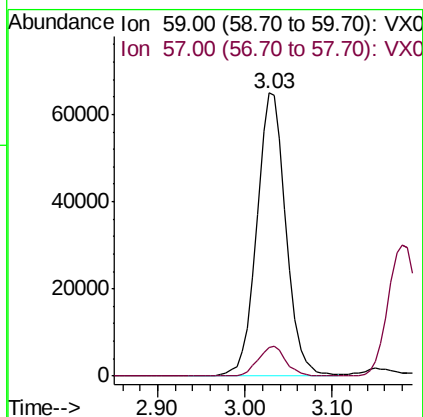
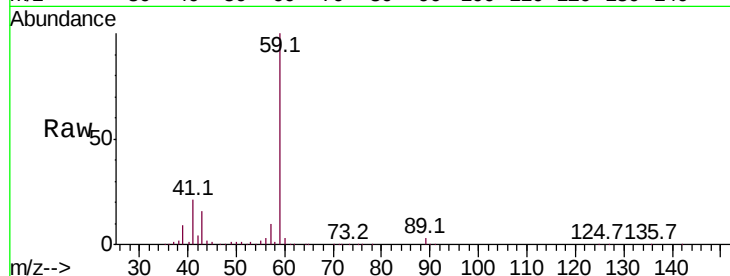


#11

Tert butyl alcohol
Concen: 199.743 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.01 min
Lab File: VX012462.D
Acq: 18 Sep 2019 10:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

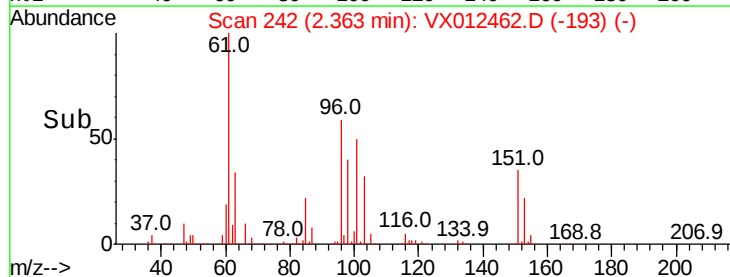
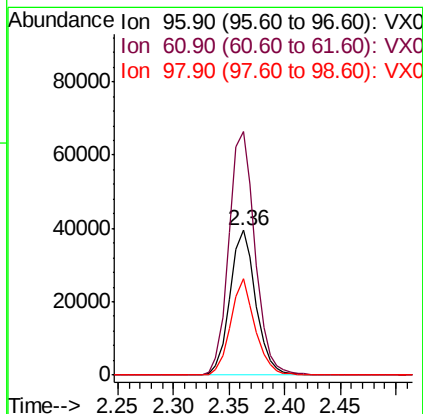
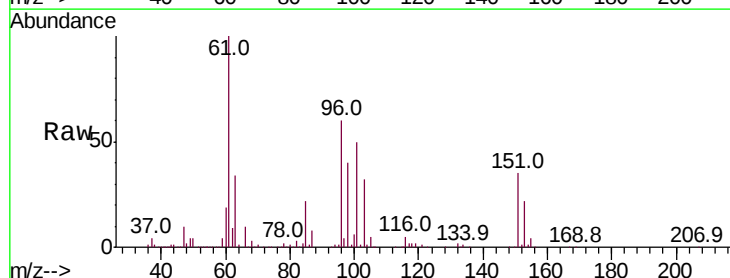
Tot Ion: 59 Resp: 150853
Ion Ratio Lower Upper
59 100
57 10.3 8.3 12.5

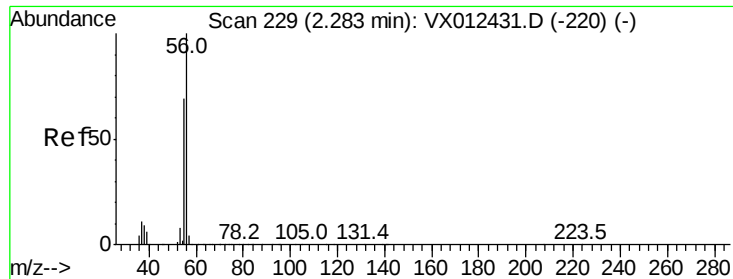


#12

1,1-Dichloroethene
Concen: 48.918 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.00 min
Lab File: VX012462.D
Acq: 18 Sep 2019 10:30

Tgt Ion: 96 Resp: 63533
Ion Ratio Lower Upper
96 100
61 167.7 133.8 200.6
98 66.6 49.9 74.9





#13

Acrolein

Concen: 178.240 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX012462.D

Acq: 18 Sep 2019 10:30

Instrument :

MSVOA_X

ClientSampleId :

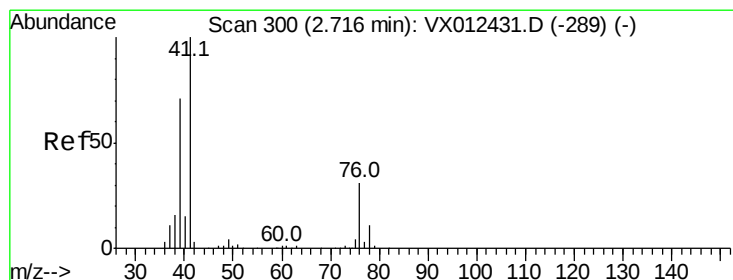
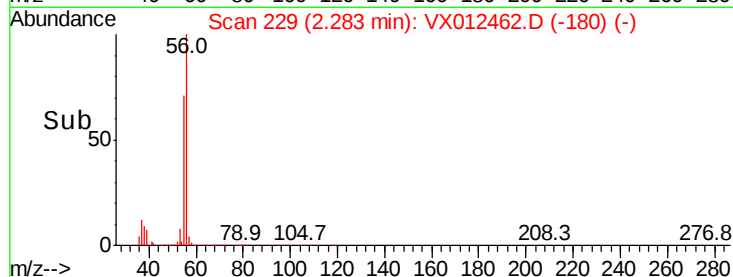
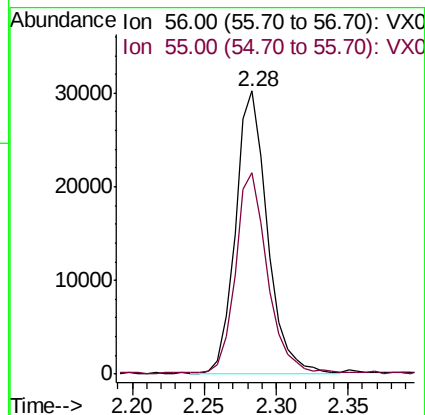
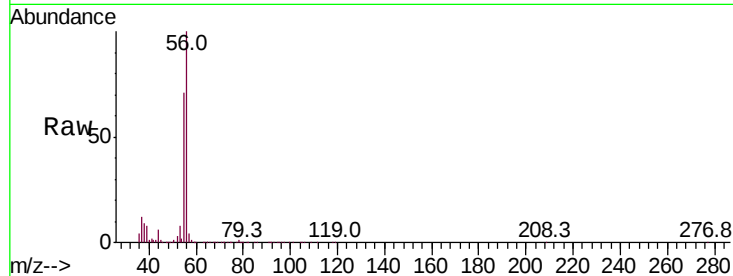
VSTDCCC050

Tot Ion: 56 Resp: 46463

Ion Ratio Lower Upper

56 100

55 71.7 55.8 83.8



#14

Allyl chloride

Concen: 47.262 ug/l

RT: 2.72 min Scan# 300

Delta R.T. 0.00 min

Lab File: VX012462.D

Acq: 18 Sep 2019 10:30

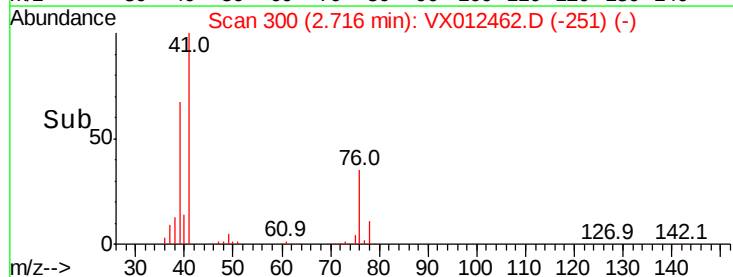
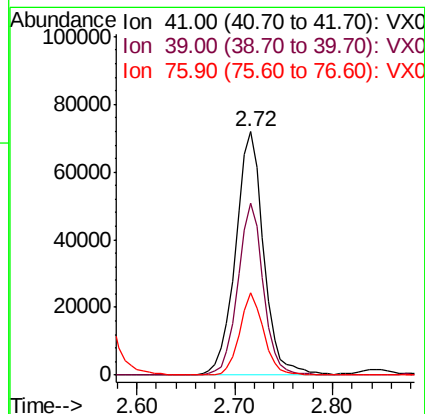
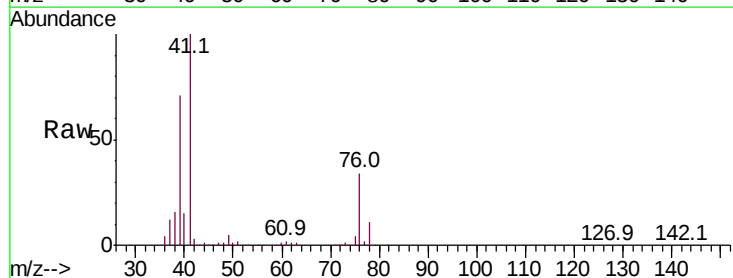
Tgt Ion: 41 Resp: 142906

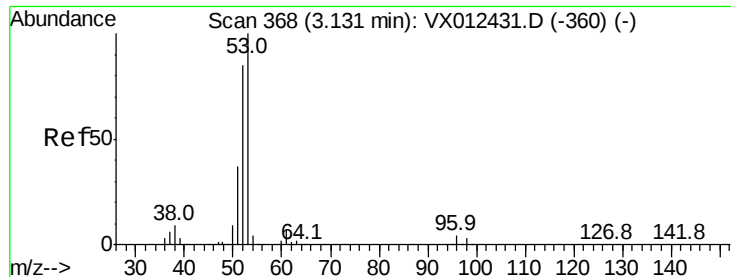
Ion Ratio Lower Upper

41 100

39 63.8 51.3 76.9

76 28.5 22.6 33.8





#15

Acrylonitrile

Concen: 221.908 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX012462.D

Acq: 18 Sep 2019 10:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

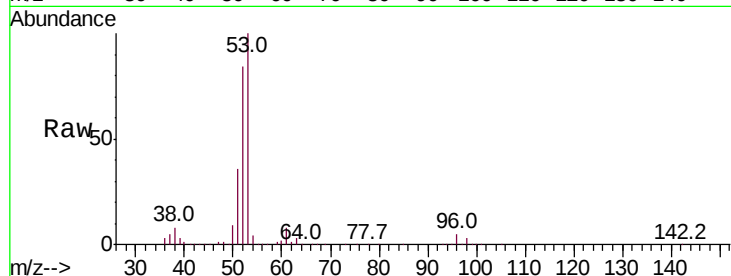
Tot Ion: 53 Resp: 284700

Ion Ratio Lower Upper

53 100

52 83.1 67.0 100.4

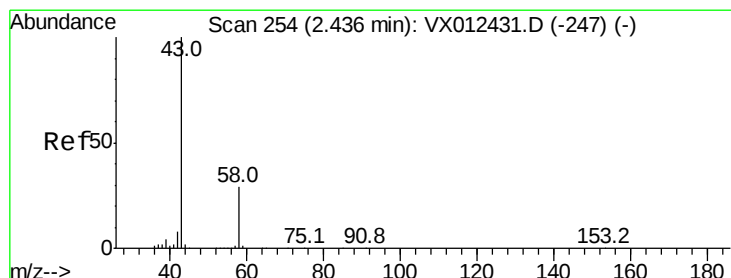
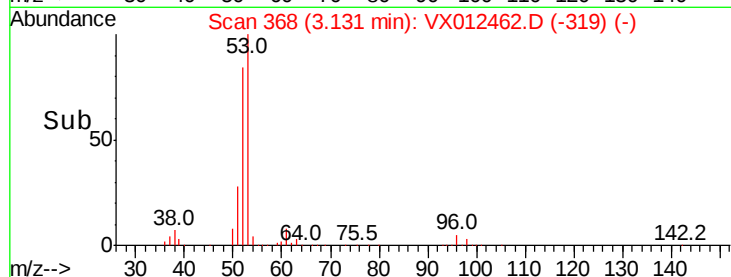
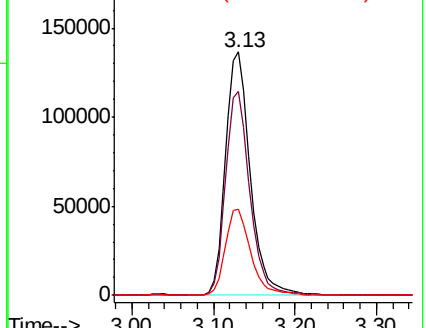
51 36.5 29.6 44.4



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: 258.242 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX012462.D

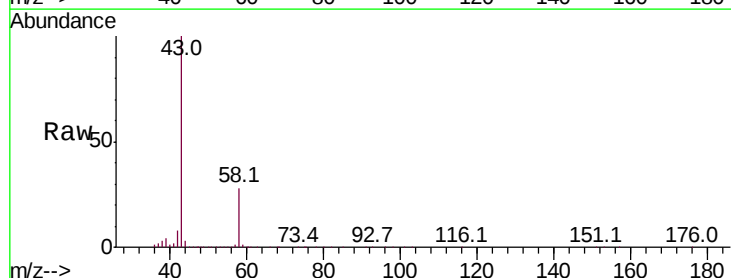
Acq: 18 Sep 2019 10:30

Tgt Ion: 43 Resp: 348992

Ion Ratio Lower Upper

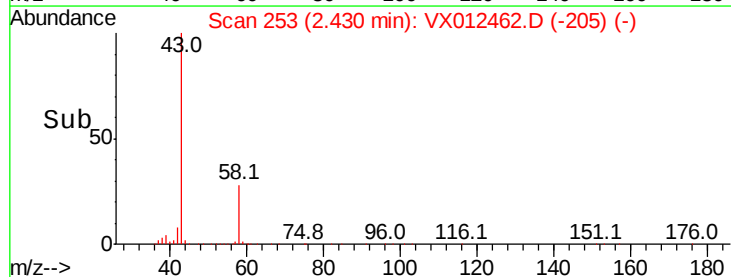
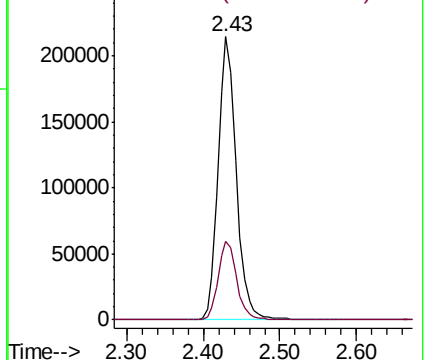
43 100

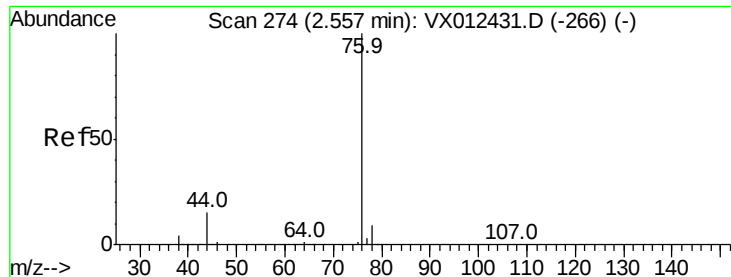
58 27.8 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

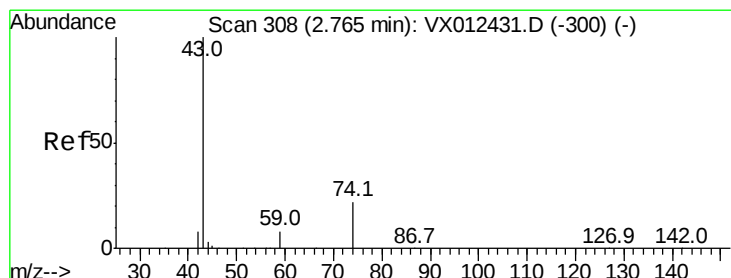
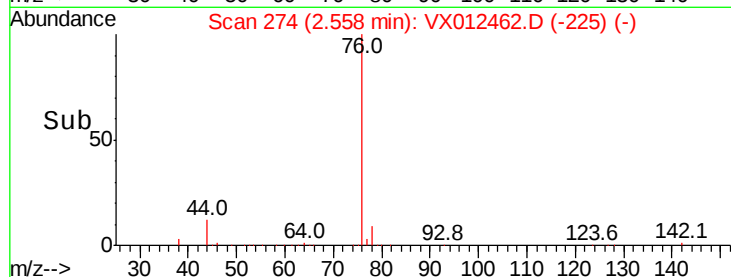
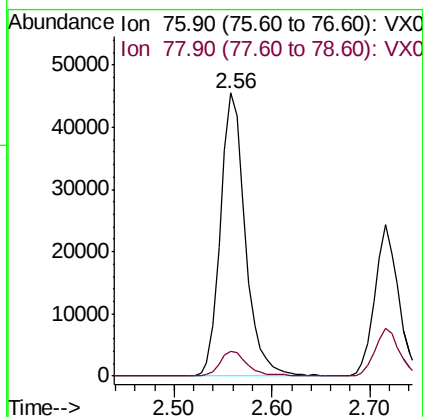
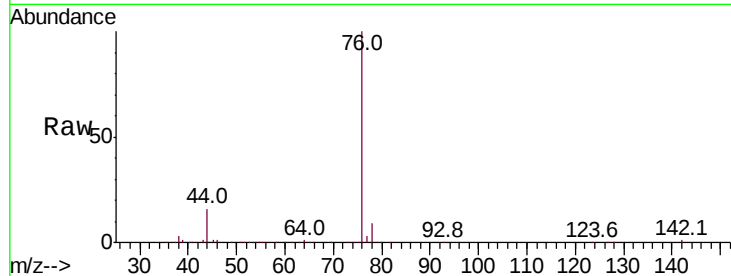




#17
Carbon Disulfide
Concen: 44.012 ug/l
RT: 2.56 min Scan# 274
Delta R.T. 0.00 min
Lab File: VX012462.D
Acq: 18 Sep 2019 10:30

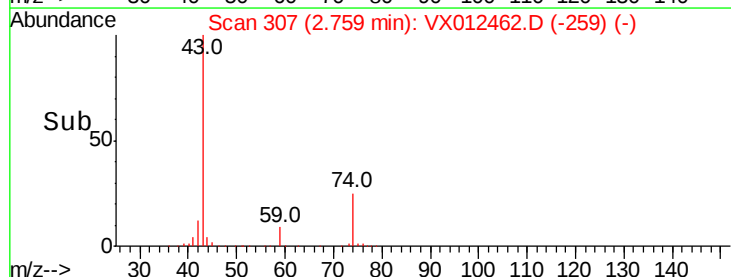
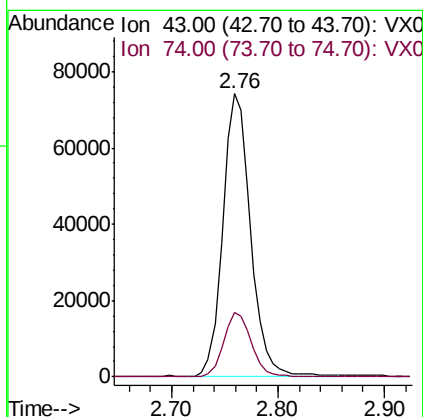
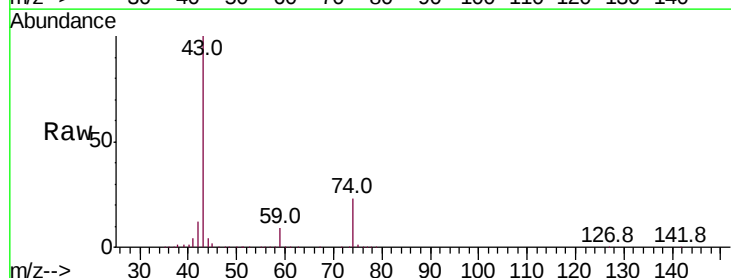
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

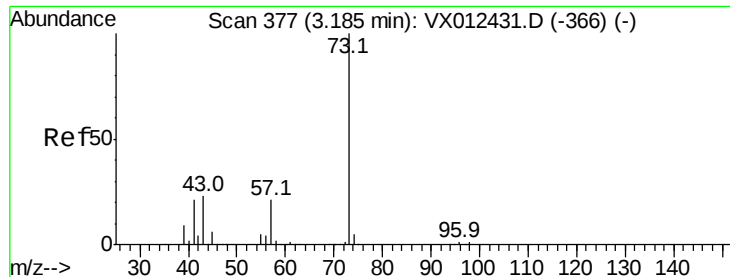
Tot Ion: 76 Resp: 80426
Ion Ratio Lower Upper
76 100
78 9.0 7.3 10.9



#18
Methyl Acetate
Concen: 43.461 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.01 min
Lab File: VX012462.D
Acq: 18 Sep 2019 10:30

Tgt Ion: 43 Resp: 134081
Ion Ratio Lower Upper
43 100
74 23.1 17.7 26.5

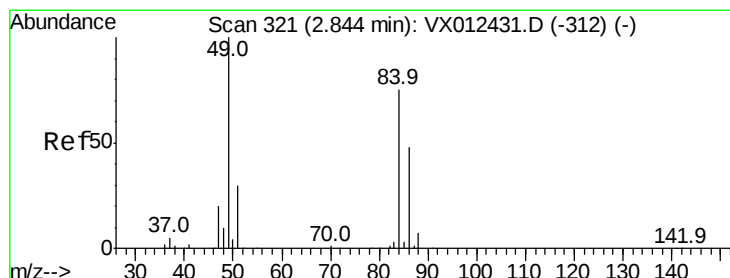
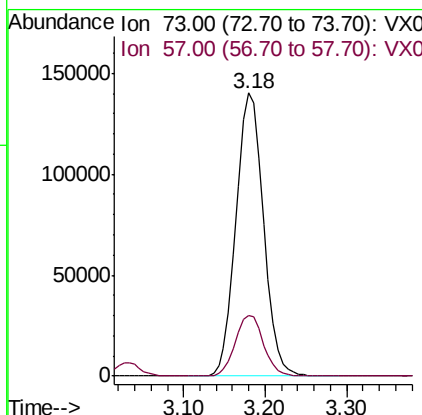
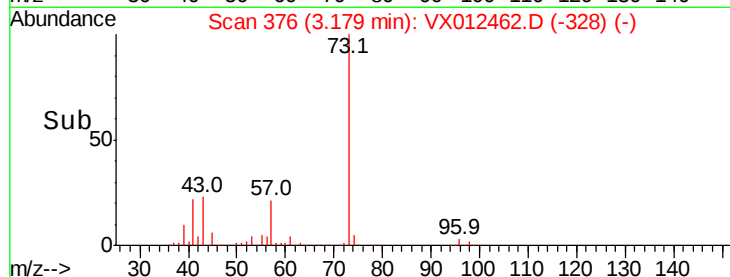
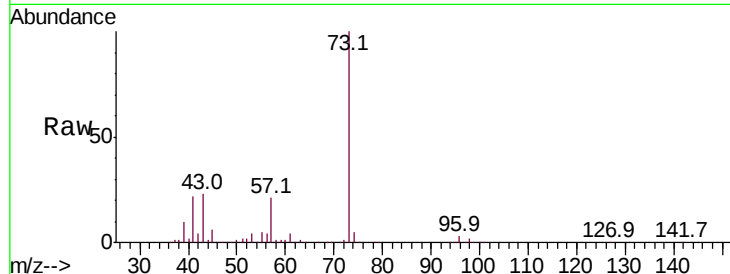




#19
Methvl tert-butvl Ether
Concen: 46.254 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.01 min
Lab File: VX012462.D
Acq: 18 Sep 2019 10:30

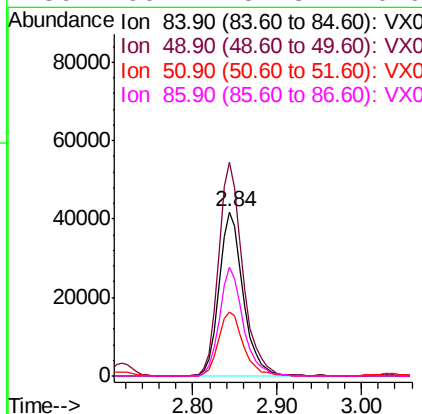
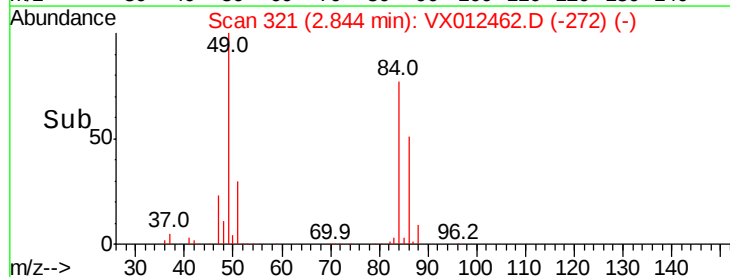
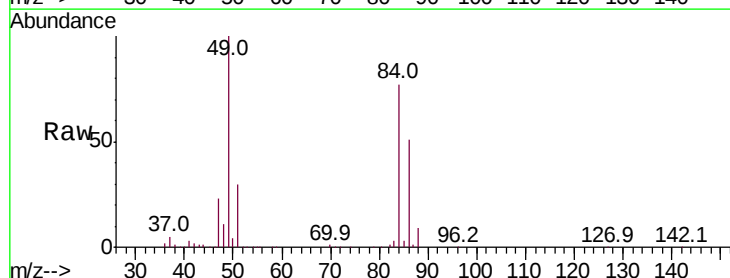
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

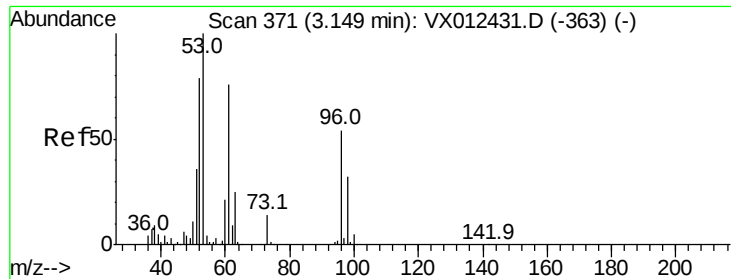
Tot Ion: 73 Resp: 327537
Ion Ratio Lower Upper
73 100
57 21.4 16.8 25.2



#20
Methylene Chloride
Concen: 46.003 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012462.D
Acq: 18 Sep 2019 10:30

Tgt Ion: 84 Resp: 82427
Ion Ratio Lower Upper
84 100
49 129.9 106.8 160.2
51 38.7 32.3 48.5
86 66.1 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 48.712 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.01 min

Lab File: VX012462.D

Acq: 18 Sep 2019 10:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

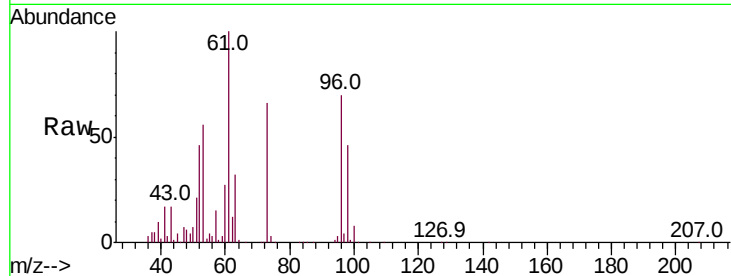
Tot Ion: 96 Resp: 65696

Ion Ratio Lower Upper

96 100

61 143.1 112.0 168.0

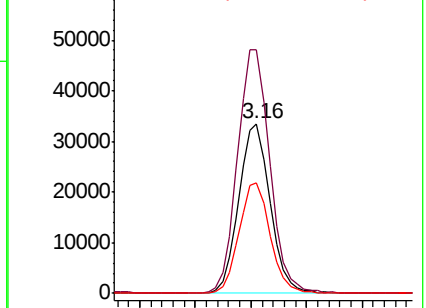
98 65.4 47.8 71.8



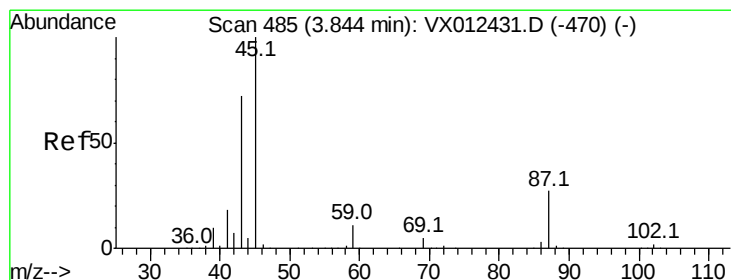
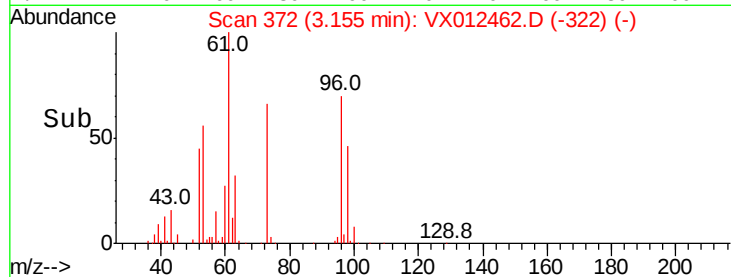
Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



Time-->



#22

Diisopropyl ether

Concen: 46.365 ug/l

RT: 3.84 min Scan# 485

Delta R.T. 0.00 min

Lab File: VX012462.D

Acq: 18 Sep 2019 10:30

Tgt Ion: 45 Resp: 328255

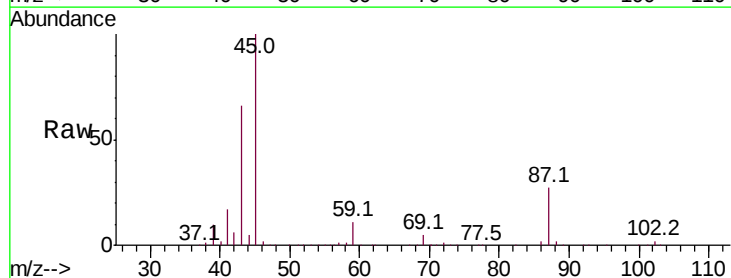
Ion Ratio Lower Upper

45 100

43 65.4 57.8 86.8

87 27.0 21.3 31.9

59 10.8 8.5 12.7

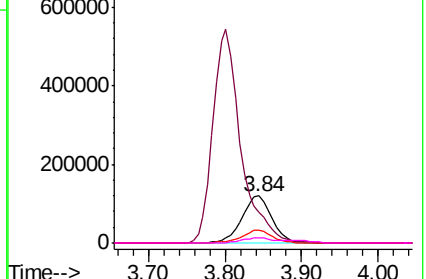


Abundance Ion 45.00 (44.70 to 45.70): VX0

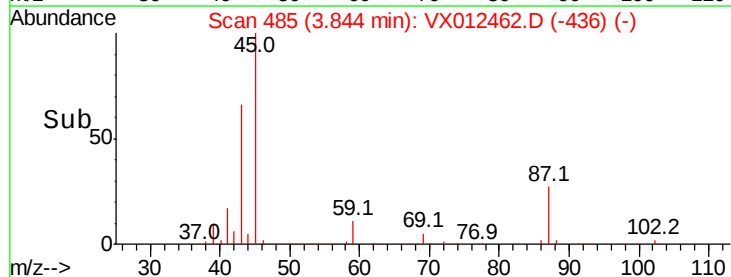
Ion 43.00 (42.70 to 43.70): VX0

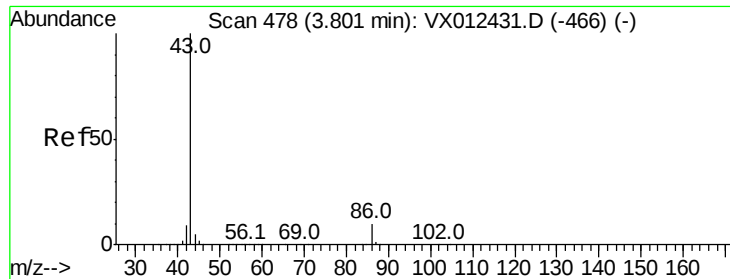
Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0



Time-->





#23

Vinyl Acetate

Concen: 237.039 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX012462.D

Acq: 18 Sep 2019 10:30

Instrument :

MSVOA_X

ClientSampleId :

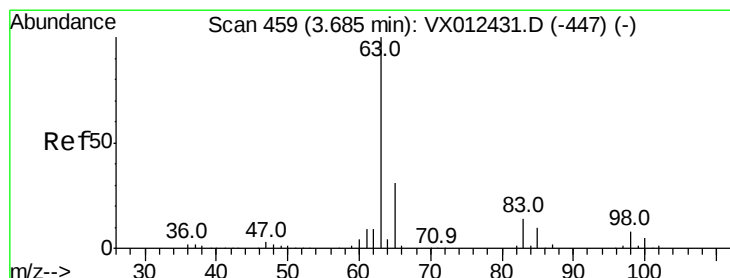
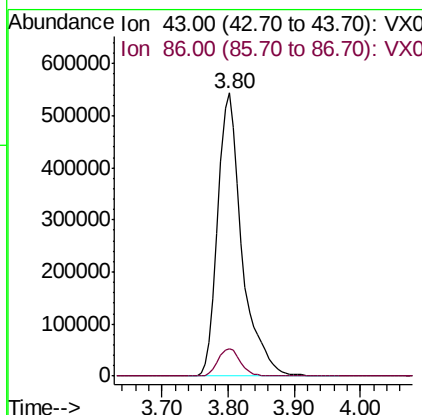
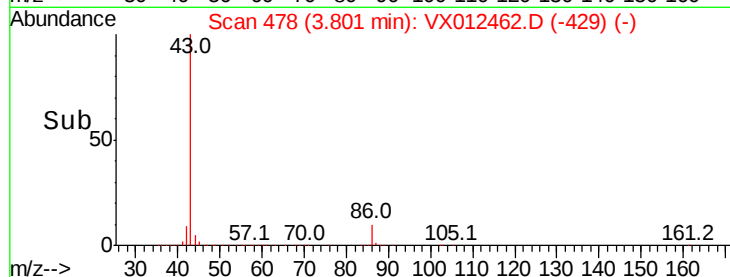
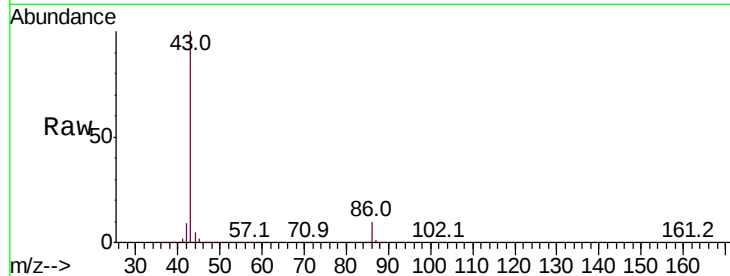
VSTDCCC050

Tot Ion: 43 Resp: 1380474

Ion Ratio Lower Upper

43 100

86 9.9 7.8 11.8



#24

1,1-Dichloroethane

Concen: 47.584 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX012462.D

Acq: 18 Sep 2019 10:30

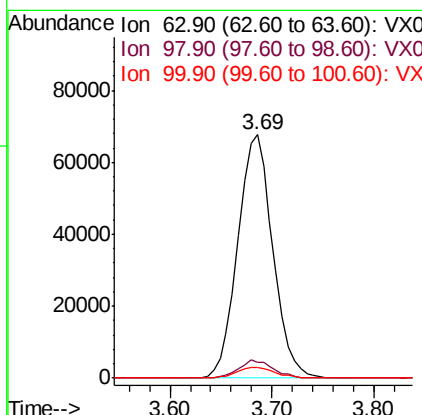
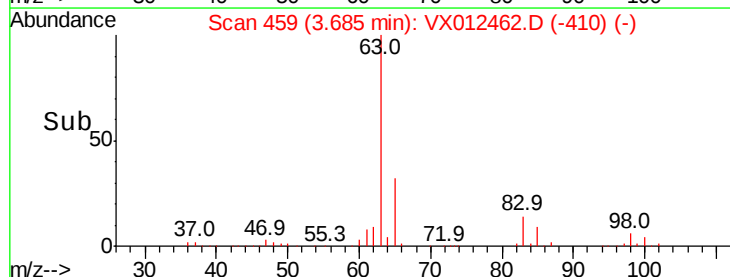
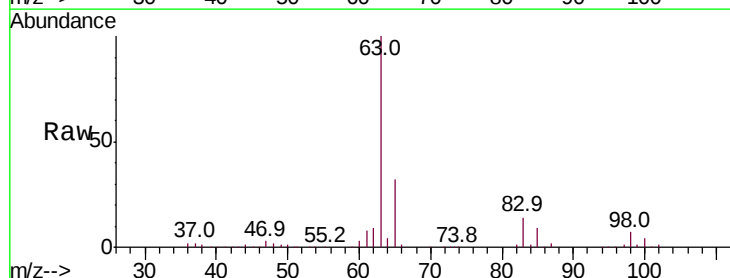
Tgt Ion: 63 Resp: 161185

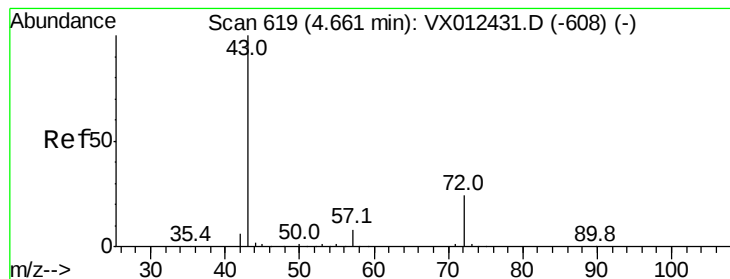
Ion Ratio Lower Upper

63 100

98 6.5 3.9 11.7

100 4.5 2.3 6.9





#25

2-Butanone

Concen: 221.521 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.01 min

Lab File: VX012462.D

Acq: 18 Sep 2019 10:30

Instrument :

MSVOA_X

ClientSampleId :

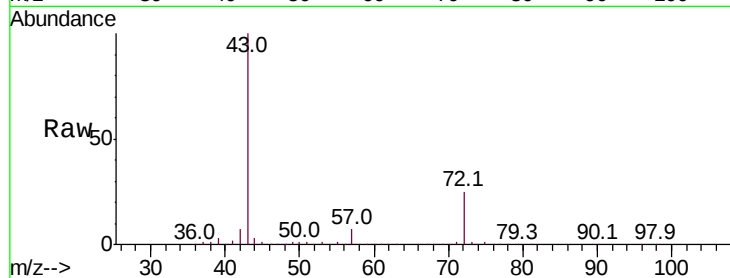
VSTDCCC050

Tot Ion: 43 Resp: 454936

Ion Ratio Lower Upper

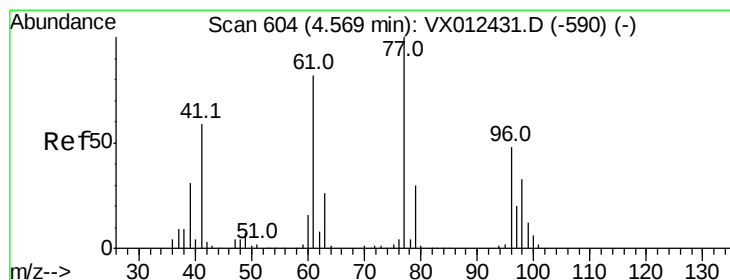
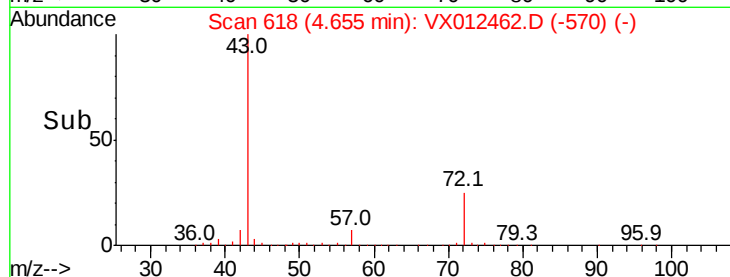
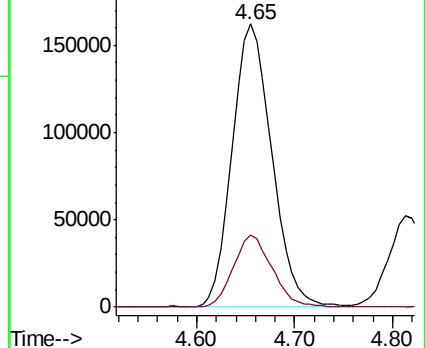
43 100

72 25.2 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 46.635 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX012462.D

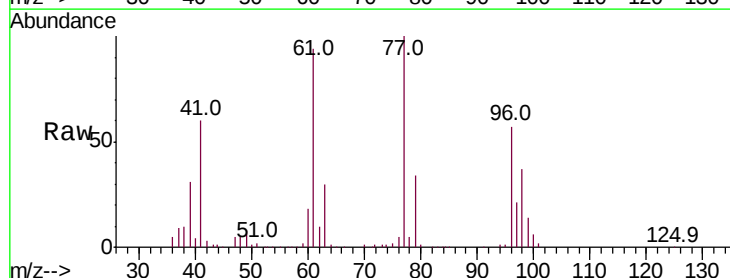
Acq: 18 Sep 2019 10:30

Tgt Ion: 77 Resp: 155360

Ion Ratio Lower Upper

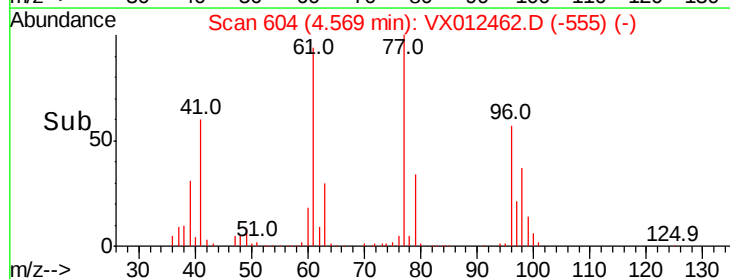
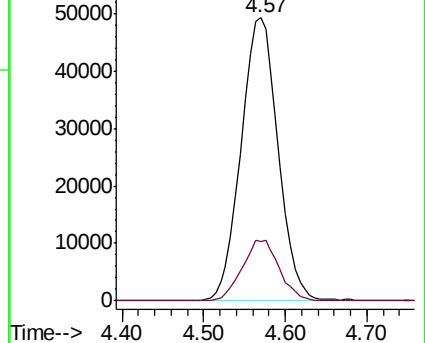
77 100

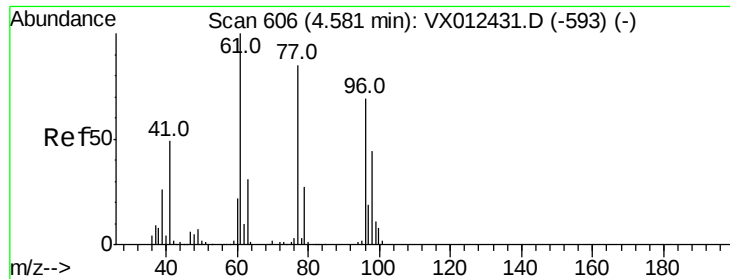
97 21.5 10.5 31.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



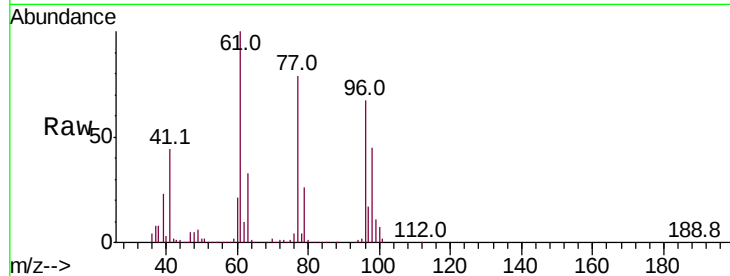


#27

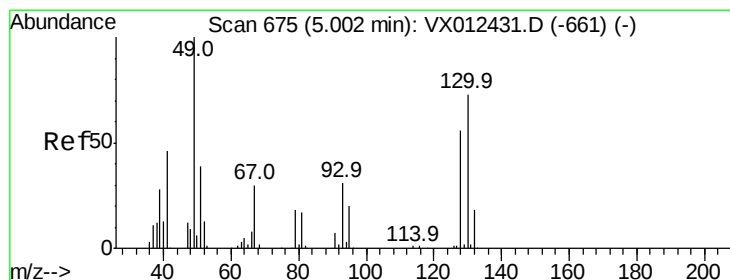
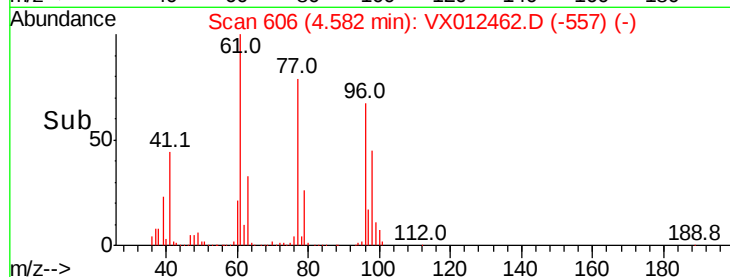
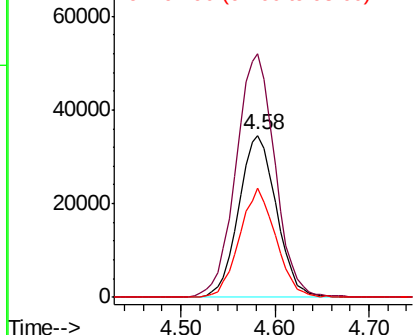
cis-1,2-Dichloroethene
Concen: 47.820 ug/l
RT: 4.58 min Scan# 606
Delta R.T. 0.00 min
Lab File: VX012462.D
Acq: 18 Sep 2019 10:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 96342
Ion Ratio Lower Upper
96 100
61 155.8 0.0 319.4
98 65.2 0.0 130.6



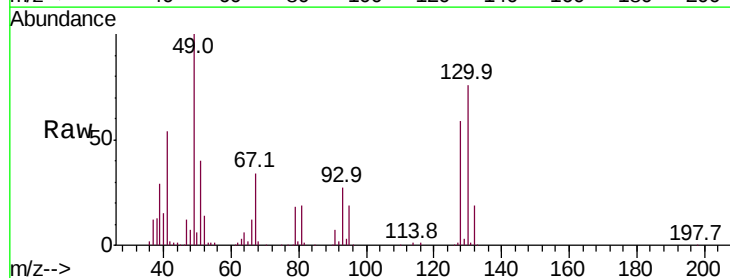
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



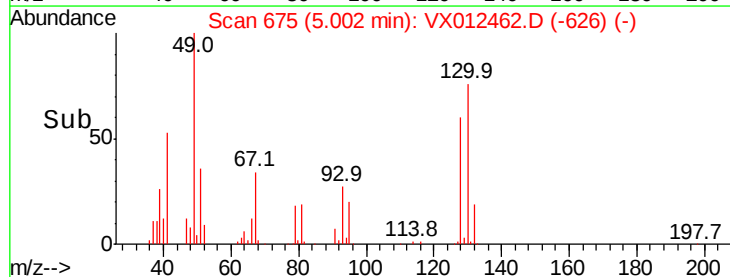
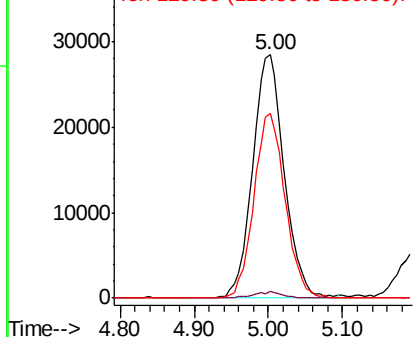
#28

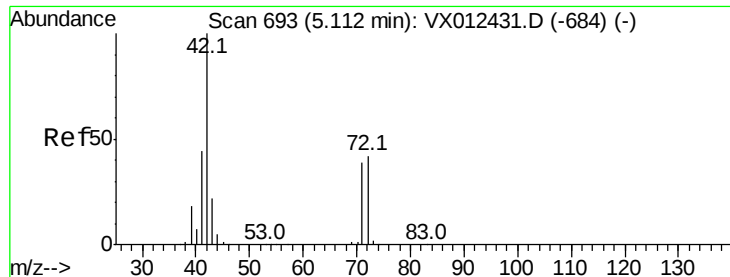
Bromochloromethane
Concen: 48.452 ug/l
RT: 5.00 min Scan# 675
Delta R.T. 0.00 min
Lab File: VX012462.D
Acq: 18 Sep 2019 10:30

Tgt Ion: 49 Resp: 84613
Ion Ratio Lower Upper
49 100
129 2.3 0.0 3.8
130 74.8 58.2 87.4



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: 223.892 ug/l

RT: 5.11 min Scan# 693

Delta R.T. 0.00 min

Lab File: VX012462.D

Acq: 18 Sep 2019 10:30

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

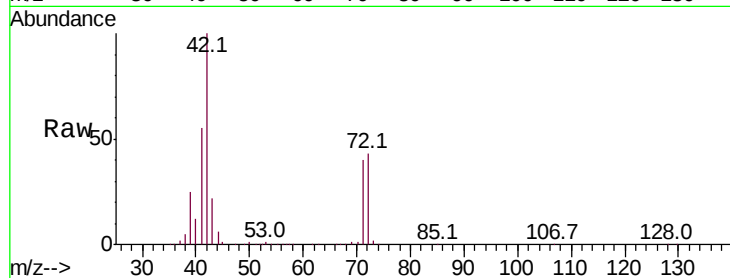
Tot Ion: 42 Resp: 254014

Ion Ratio Lower Upper

42 100

72 43.1 34.0 51.0

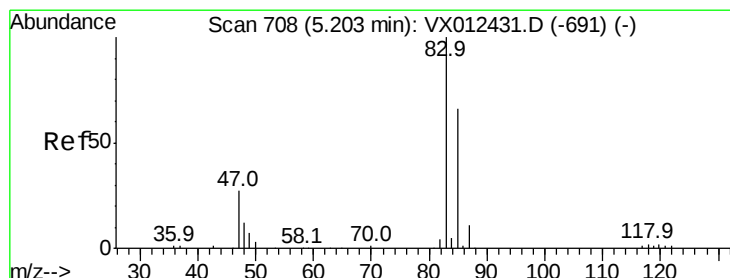
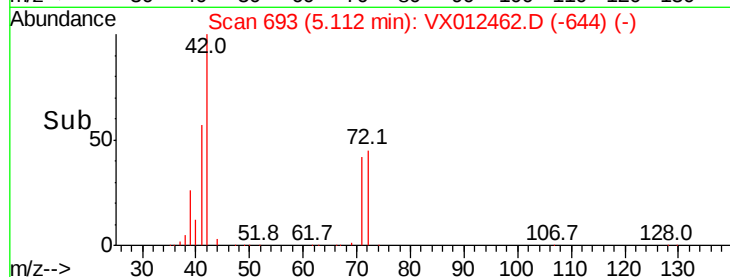
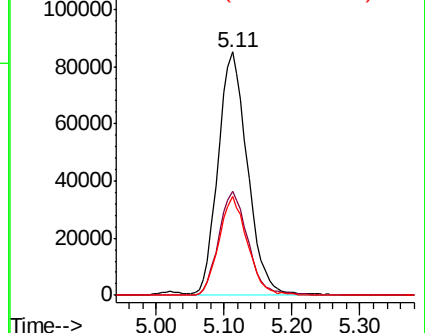
71 39.6 31.5 47.3



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 45.979 ug/l

RT: 5.19 min Scan# 706

Delta R.T. -0.01 min

Lab File: VX012462.D

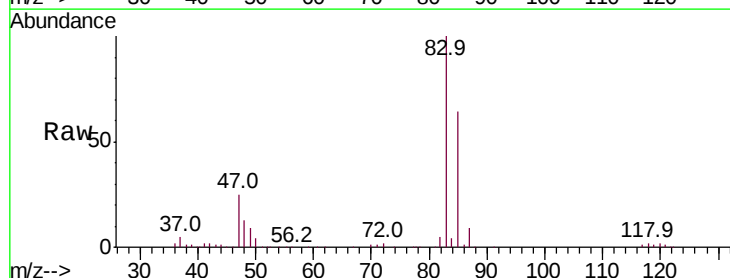
Acq: 18 Sep 2019 10:30

Tgt Ion: 83 Resp: 178871

Ion Ratio Lower Upper

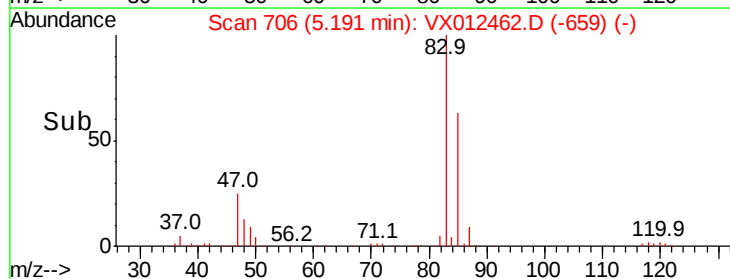
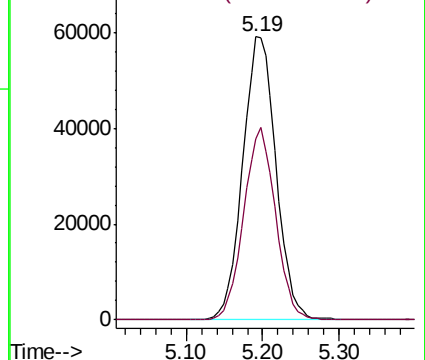
83 100

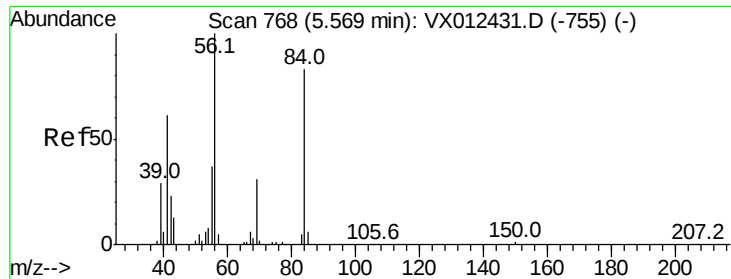
85 63.8 53.0 79.4



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

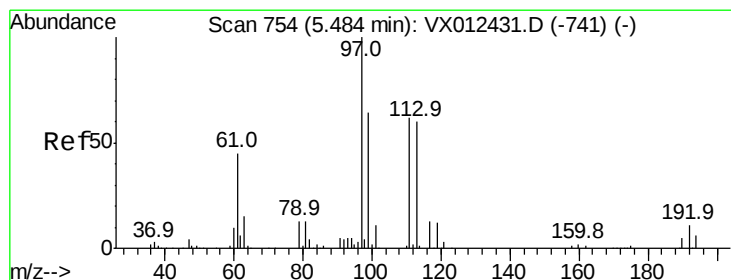
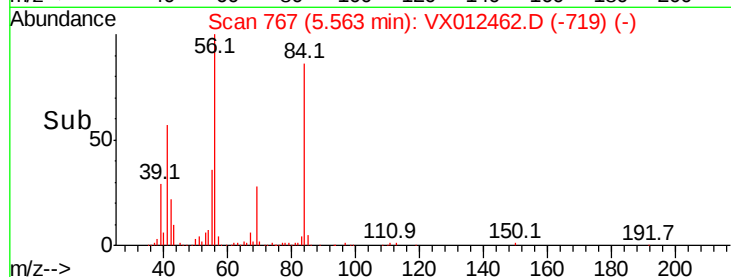
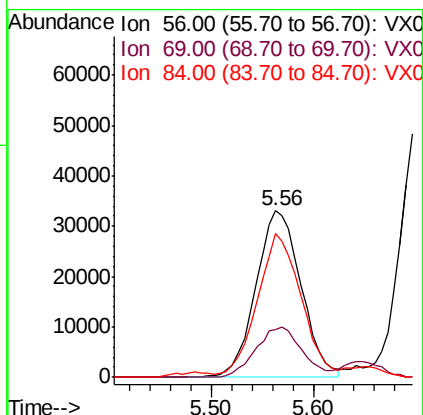
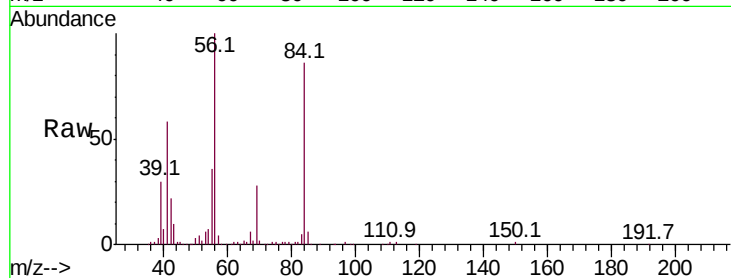




#31
Cyclohexane
Concen: 49.653 ug/l
RT: 5.56 min Scan# 767
Delta R.T. -0.01 min
Lab File: VX012462.D
Acq: 18 Sep 2019 10:30

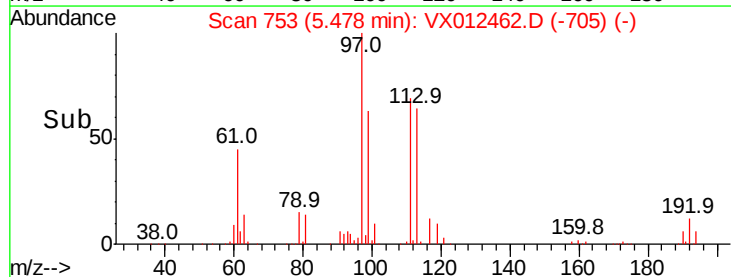
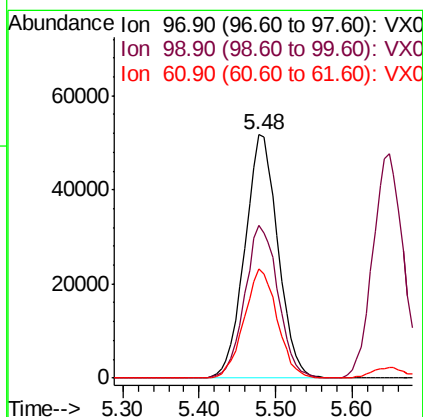
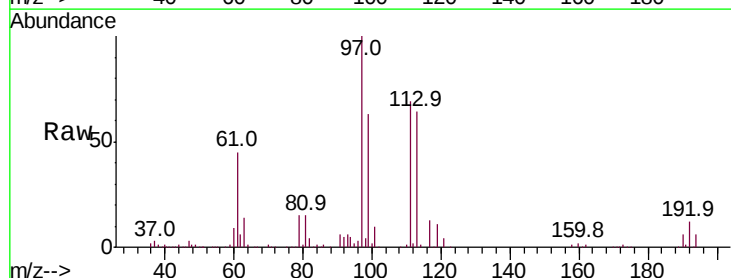
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

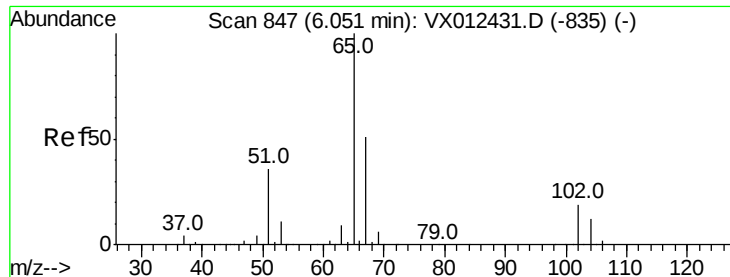
Tot Ion: 56 Resp: 101532
Ion Ratio Lower Upper
56 100
69 28.3 25.0 37.6
84 83.9 66.4 99.6



#32
1,1,1-Trichloroethane
Concen: 47.864 ug/l
RT: 5.48 min Scan# 753
Delta R.T. -0.01 min
Lab File: VX012462.D
Acq: 18 Sep 2019 10:30

Tgt Ion: 97 Resp: 155629
Ion Ratio Lower Upper
97 100
99 63.3 51.3 76.9
61 44.8 36.1 54.1

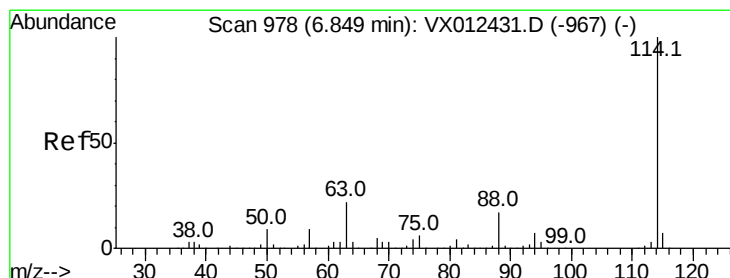
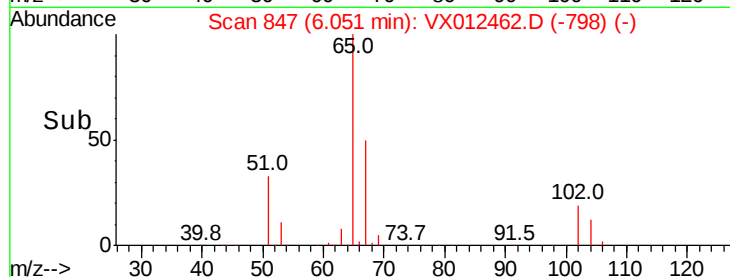
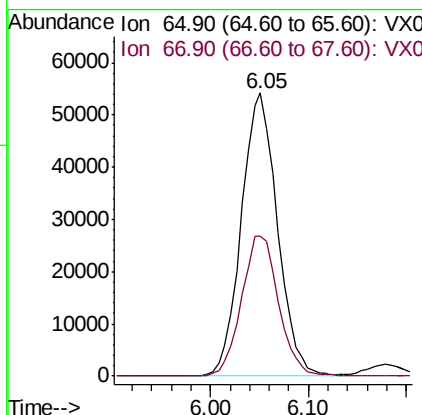
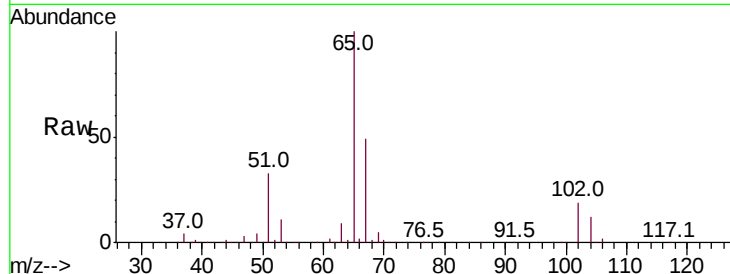




#33
 1,2-Dichloroethane-d4
 Concen: 46.819 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012462.D
 Acq: 18 Sep 2019 10:30

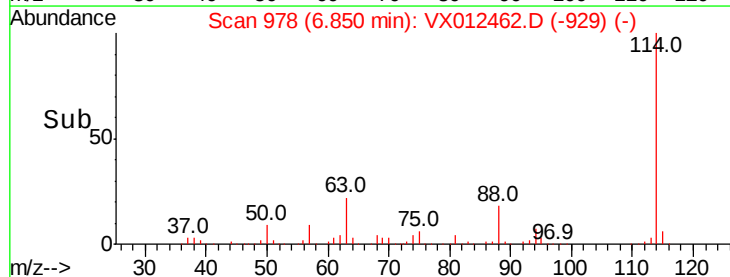
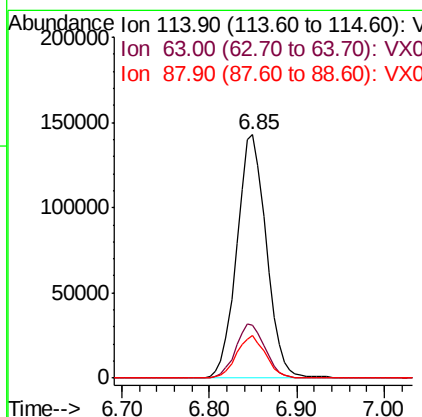
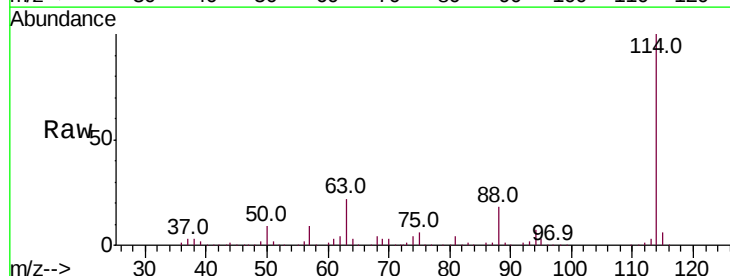
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

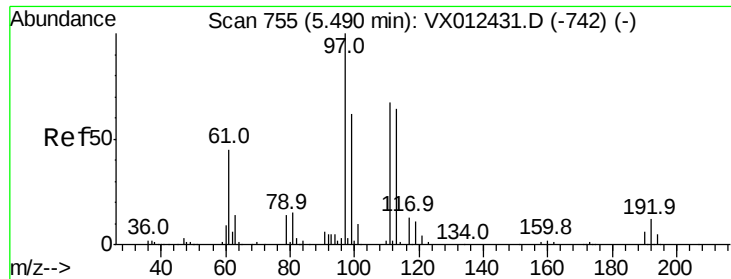
Tot Ion: 65 Resp: 138616
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012462.D
 Acq: 18 Sep 2019 10:30

Tgt Ion: 114 Resp: 335531
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 43.2
 88 17.5 0.0 33.2

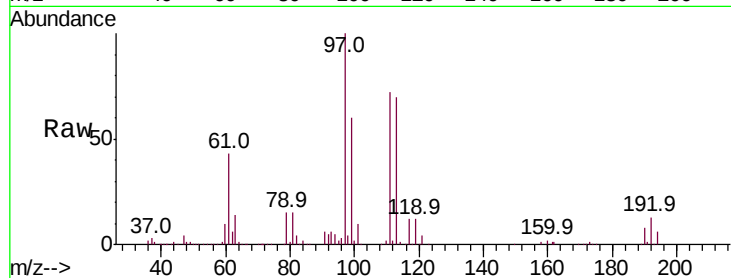




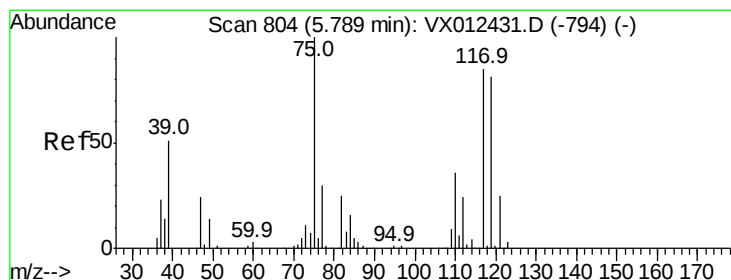
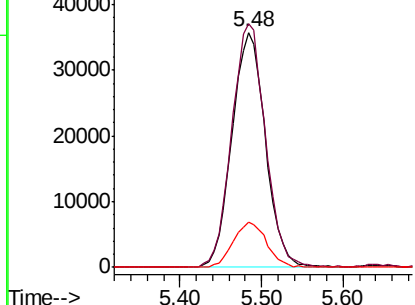
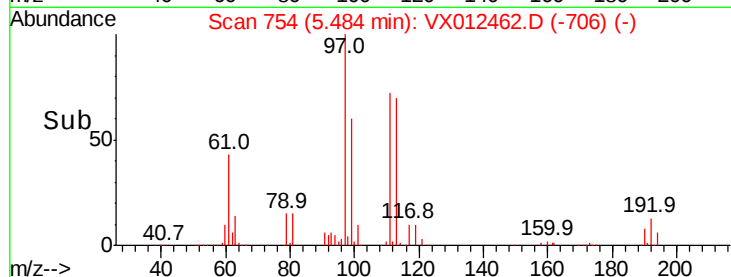
#35
 Dibromofluoromethane
 Concen: 49.861 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.01 min
 Lab File: VX012462.D
 Acq: 18 Sep 2019 10:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:113 Resp: 101259
 Ion Ratio Lower Upper
 113 100
 111 104.2 83.4 125.2
 192 19.1 14.4 21.6

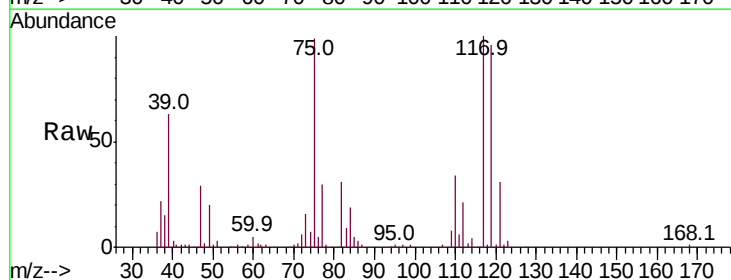


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

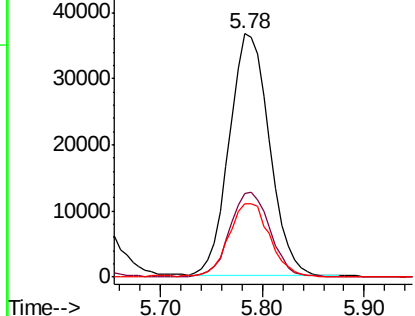
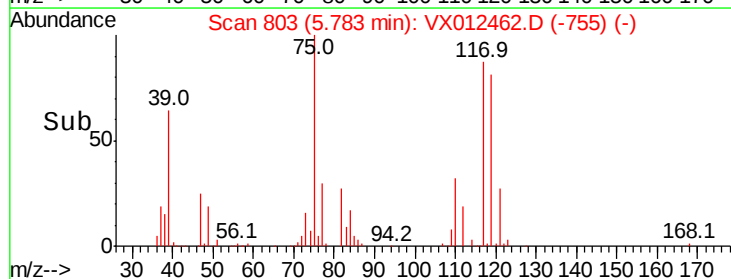


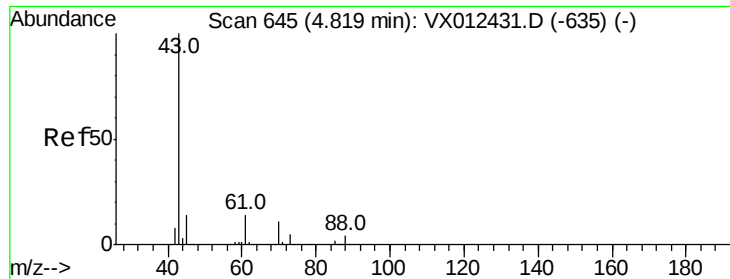
#36
 1,1-Dichloropropene
 Concen: 49.260 ug/l
 RT: 5.78 min Scan# 803
 Delta R.T. -0.01 min
 Lab File: VX012462.D
 Acq: 18 Sep 2019 10:30

Tgt Ion: 75 Resp: 100451
 Ion Ratio Lower Upper
 75 100
 110 35.4 16.7 50.0
 77 30.8 24.2 36.2



Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 48.487 ug/l

RT: 4.81 min Scan# 644

Delta R.T. -0.01 min

Lab File: VX012462.D

Acq: 18 Sep 2019 10:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

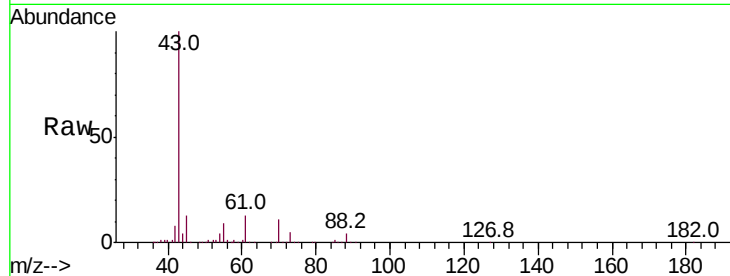
Tot Ion: 43 Resp: 151771

Ion Ratio Lower Upper

43 100

61 13.5 10.2 15.4

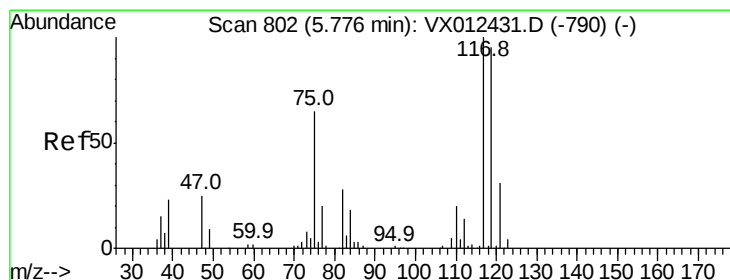
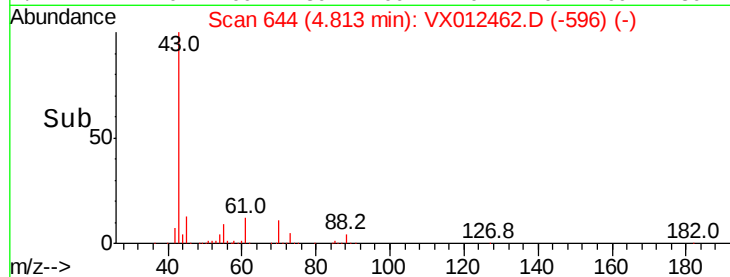
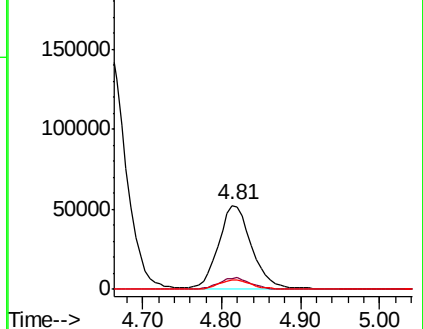
70 11.0 8.7 13.1



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: 50.249 ug/l

RT: 5.77 min Scan# 801

Delta R.T. -0.01 min

Lab File: VX012462.D

Acq: 18 Sep 2019 10:30

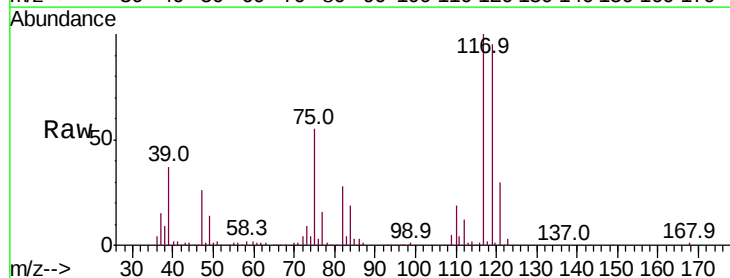
Tgt Ion: 117 Resp: 127441

Ion Ratio Lower Upper

117 100

119 94.8 75.7 113.5

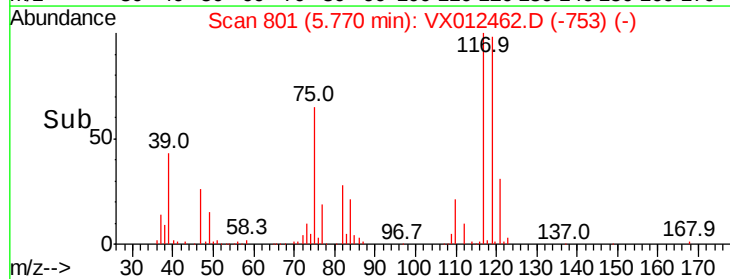
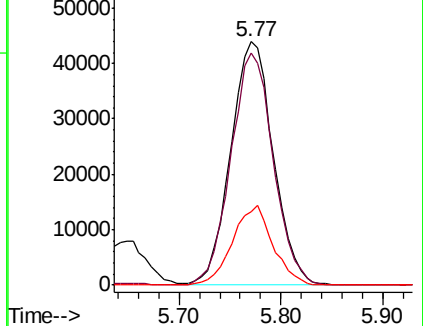
121 30.2 24.2 36.4

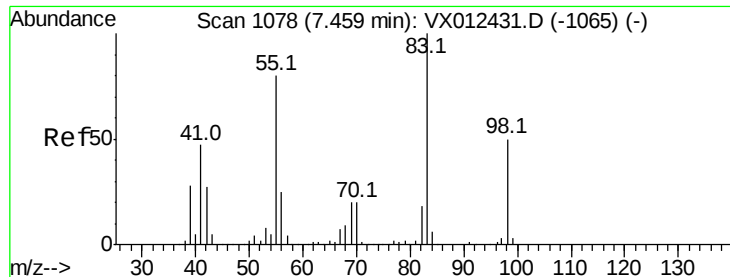


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

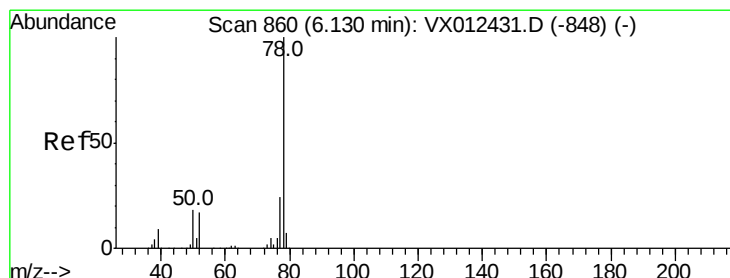
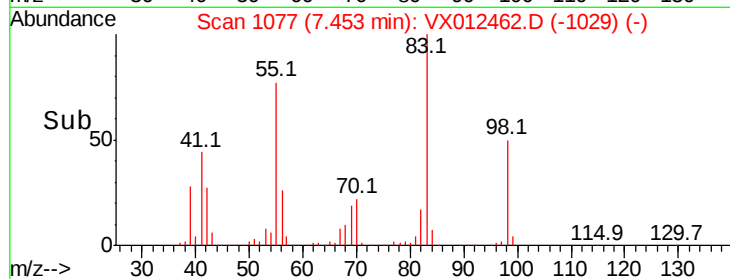
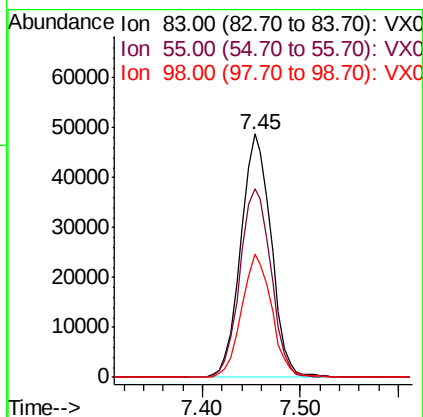
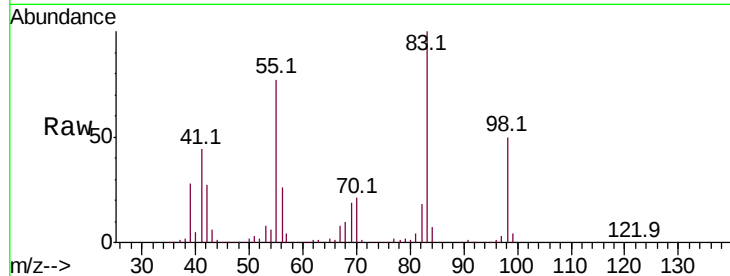




#39
Methvlcvclohexane
Concen: 52.898 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VX012462.D
Acq: 18 Sep 2019 10:30

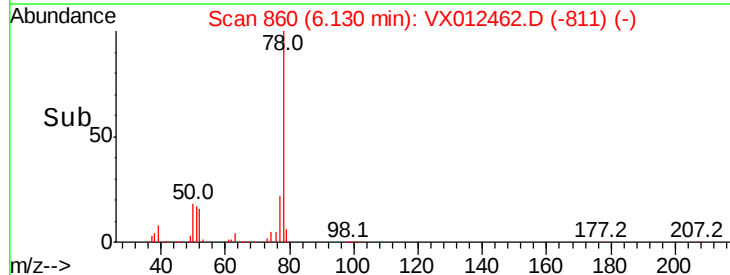
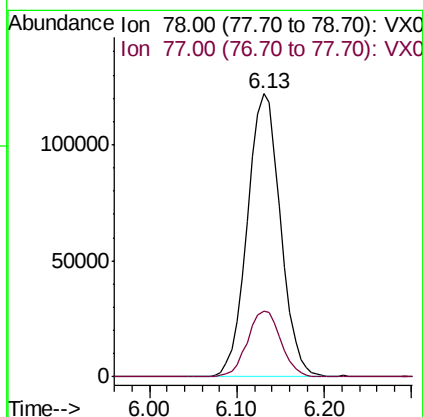
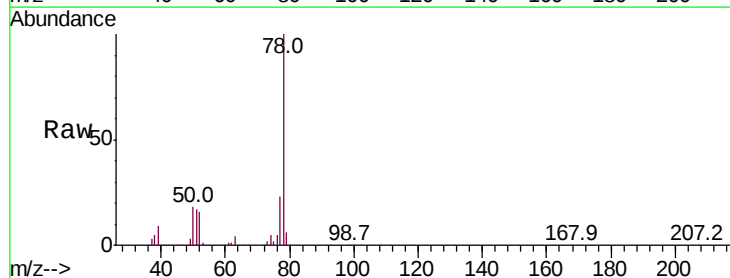
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

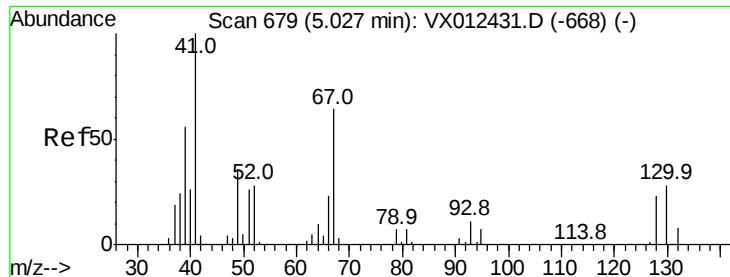
Tot Ion: 83 Resp: 104863
Ion Ratio Lower Upper
83 100
55 77.4 64.4 96.6
98 50.4 40.1 60.1



#40
Benzene
Concen: 49.527 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX012462.D
Acq: 18 Sep 2019 10:30

Tgt Ion: 78 Resp: 321163
Ion Ratio Lower Upper
78 100
77 23.0 19.2 28.8





#41

Methacrylonitrile

Concen: 45.553 ug/l

RT: 5.02 min Scan# 678

Delta R.T. -0.01 min

Lab File: VX012462.D

Acq: 18 Sep 2019 10:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 91812

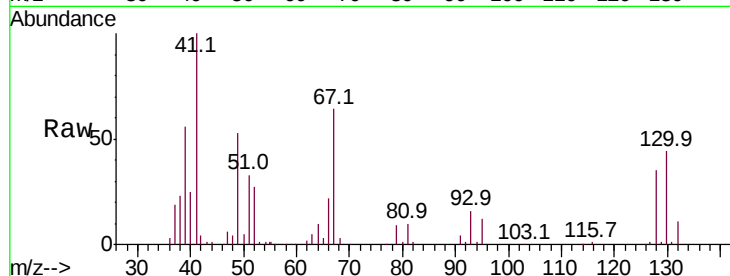
Ion Ratio Lower Upper

41 100

39 55.9 46.0 69.0

67 66.4 52.2 78.2

52 27.4 22.7 34.1

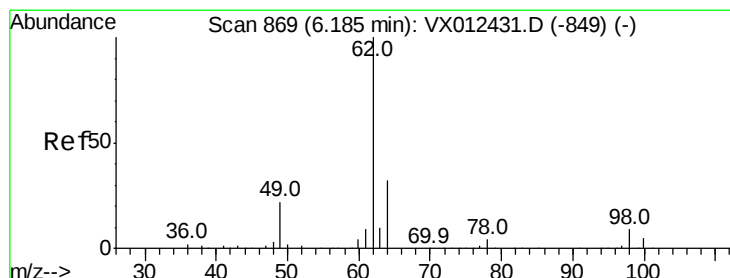
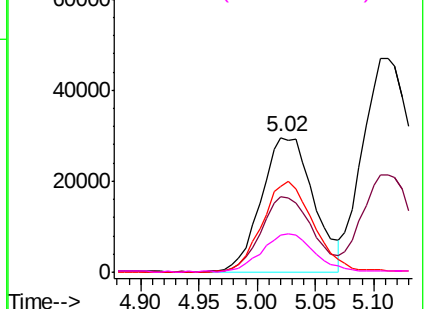
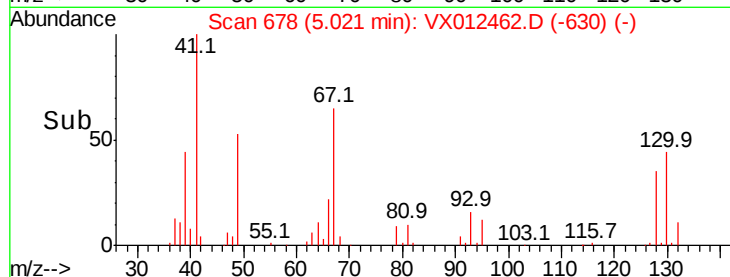


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 48.330 ug/l

RT: 6.18 min Scan# 868

Delta R.T. -0.01 min

Lab File: VX012462.D

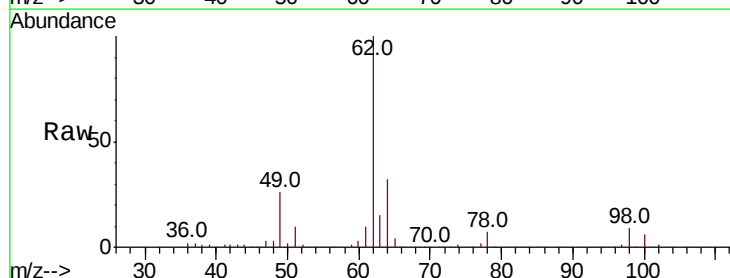
Acq: 18 Sep 2019 10:30

Tgt Ion: 62 Resp: 145359

Ion Ratio Lower Upper

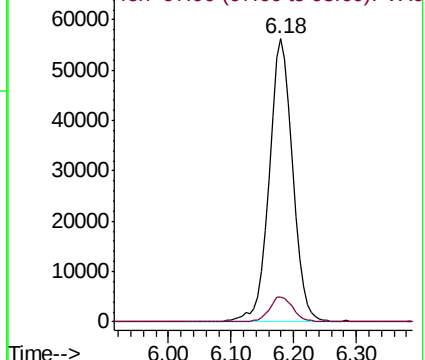
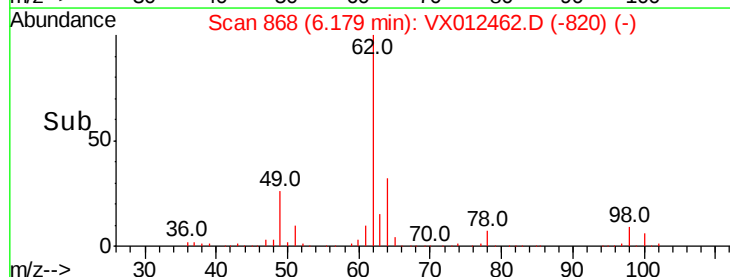
62 100

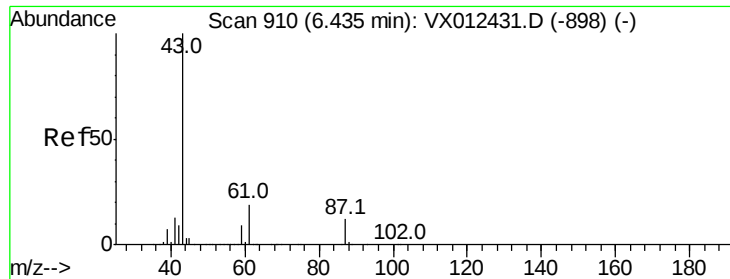
98 8.9 0.0 17.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



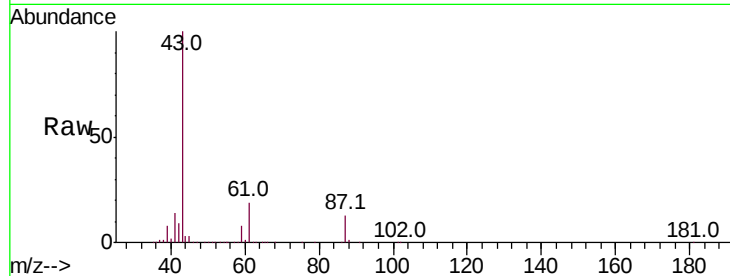


#43

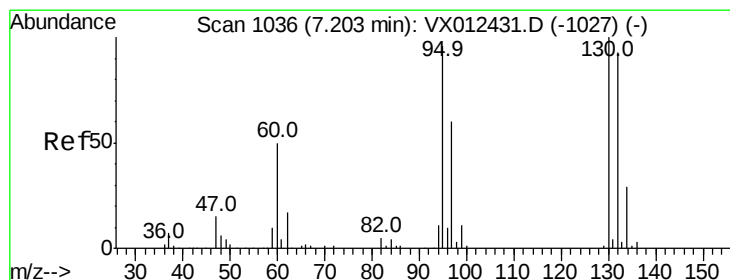
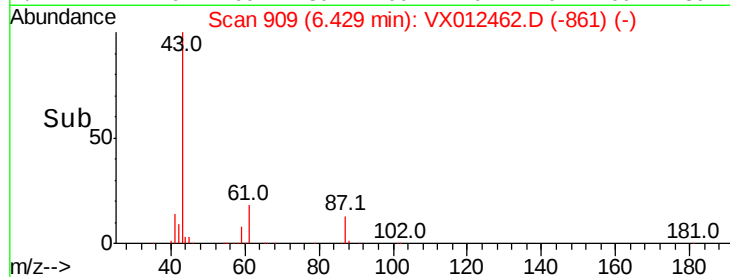
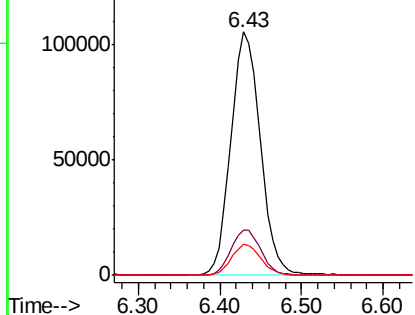
Isopropyl Acetate
 Concen: 46.657 ug/l
 RT: 6.43 min Scan# 909
 Delta R.T. -0.01 min
 Lab File: VX012462.D
 Acq: 18 Sep 2019 10:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 262122
 Ion Ratio Lower Upper
 43 100
 61 19.2 15.4 23.0
 87 12.8 9.8 14.8



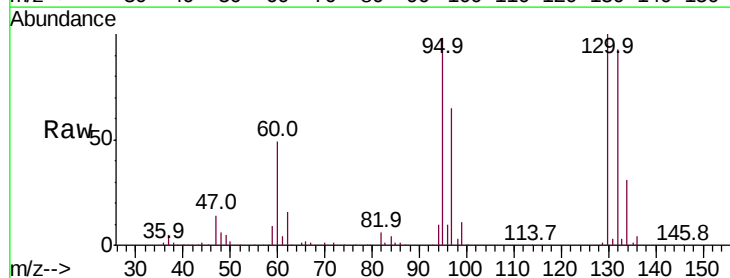
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



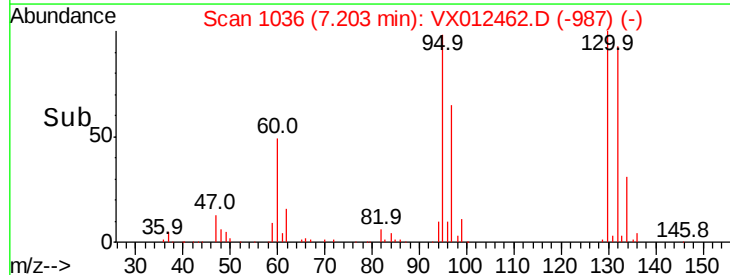
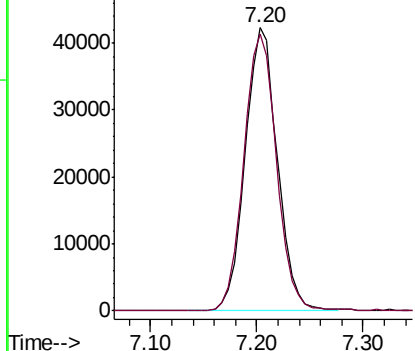
#44

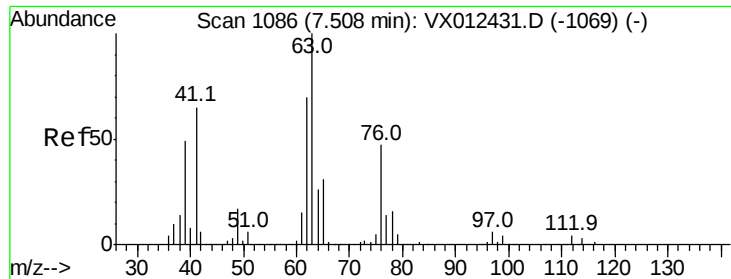
Trichloroethene
 Concen: 52.692 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. 0.00 min
 Lab File: VX012462.D
 Acq: 18 Sep 2019 10:30

Tgt Ion:130 Resp: 89881
 Ion Ratio Lower Upper
 130 100
 95 97.9 0.0 193.0



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





#45

1,2-Dichloropropane

Concen: 48.079 ug/l

RT: 7.50 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VX012462.D

Acq: 18 Sep 2019 10:30

Instrument :

MSVOA_X

ClientSampleId :

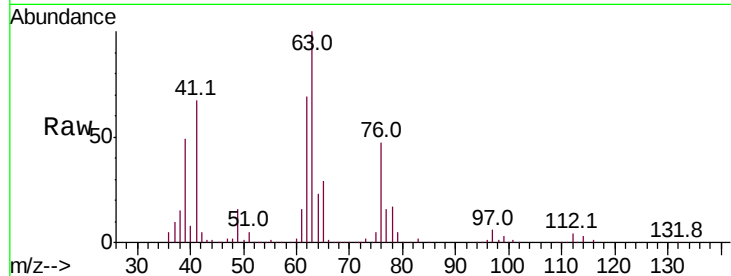
VSTDCCC050

Tot Ion: 63 Resp: 95785

Ion Ratio Lower Upper

63 100

65 29.0 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.50

40000

30000

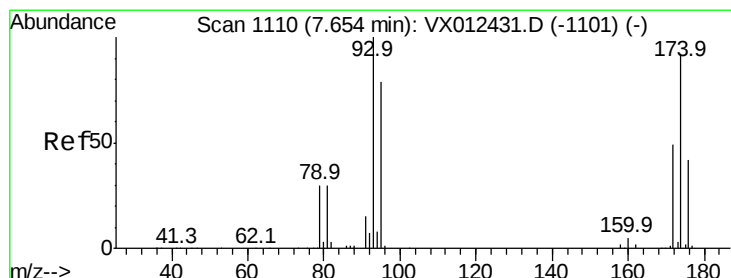
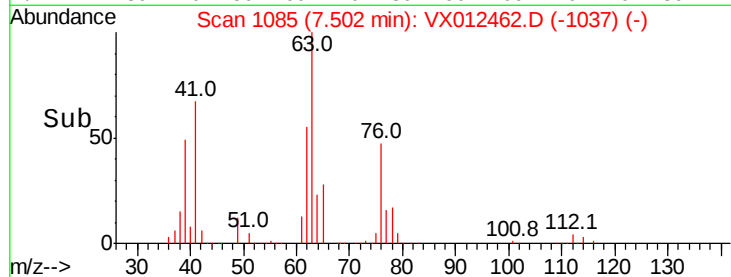
20000

10000

0

7.40 7.50 7.60

Time-->



#46

Dibromomethane

Concen: 49.083 ug/l

RT: 7.65 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VX012462.D

Acq: 18 Sep 2019 10:30

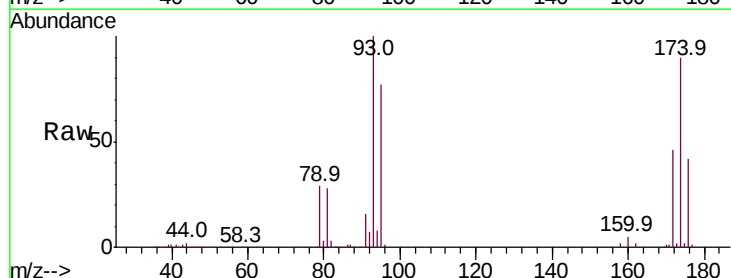
Tgt Ion: 93 Resp: 63279

Ion Ratio Lower Upper

93 100

95 83.5 66.6 100.0

174 96.1 77.4 116.0



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

40000

30000

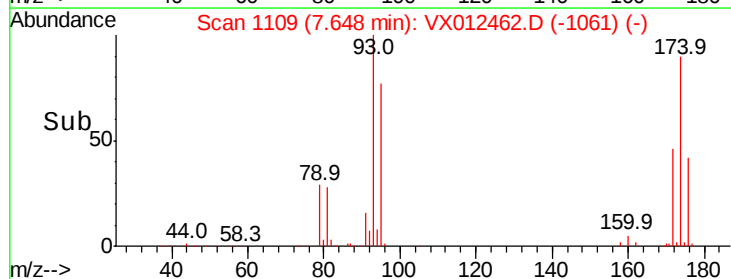
20000

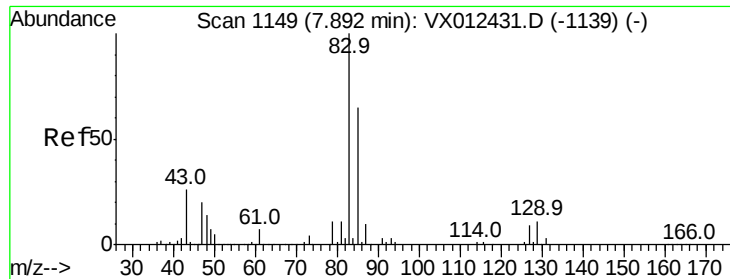
10000

0

7.60 7.70 7.80

Time-->





#47

Bromodichloromethane

Concen: 50.215 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX012462.D

Acq: 18 Sep 2019 10:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

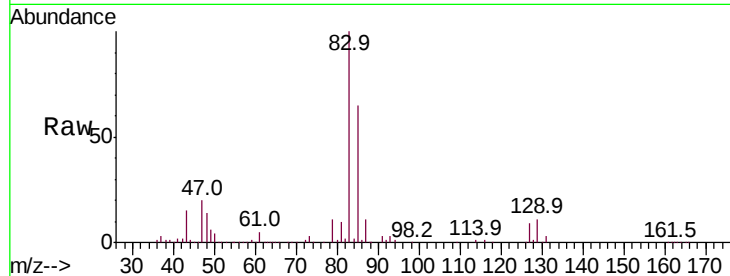
Tot Ion: 83 Resp: 144146

Ion Ratio Lower Upper

83 100

85 64.7 51.8 77.6

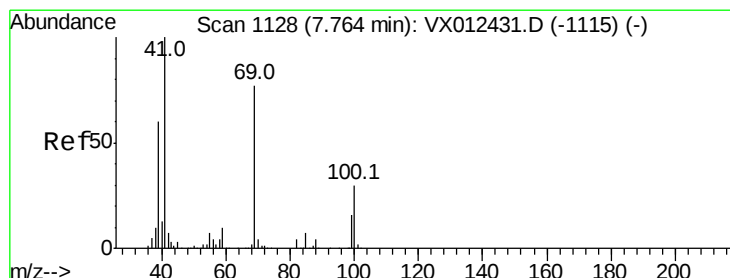
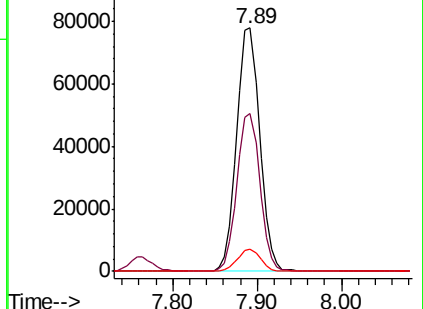
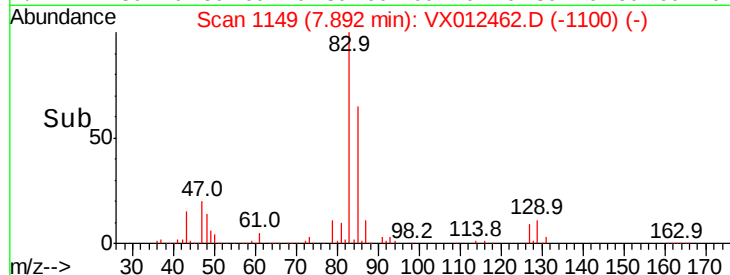
127 8.9 7.3 10.9



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: 47.134 ug/l

RT: 7.76 min Scan# 1127

Delta R.T. -0.01 min

Lab File: VX012462.D

Acq: 18 Sep 2019 10:30

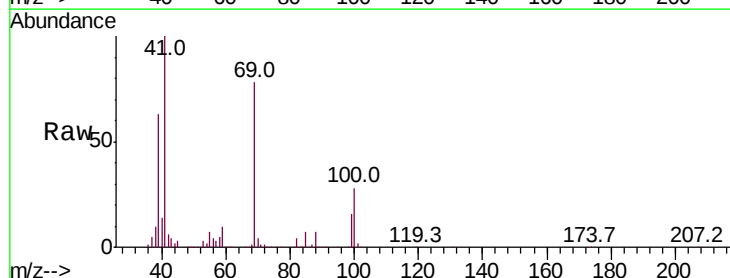
Tgt Ion: 41 Resp: 124826

Ion Ratio Lower Upper

41 100

69 76.8 59.9 89.9

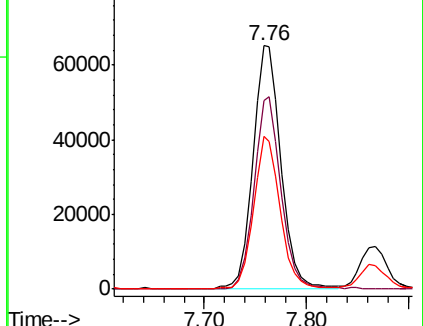
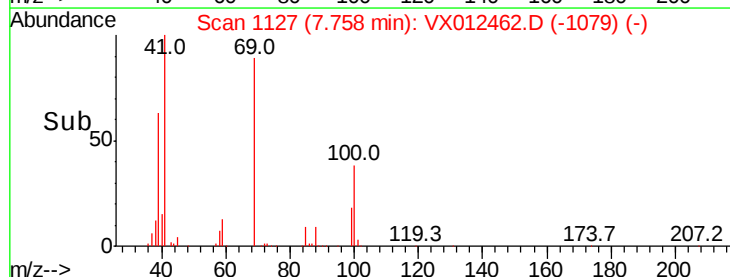
39 59.9 47.8 71.6

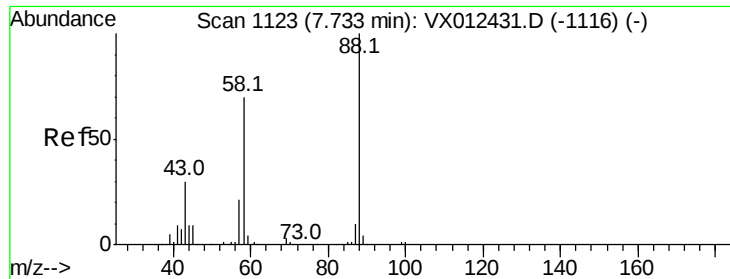


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

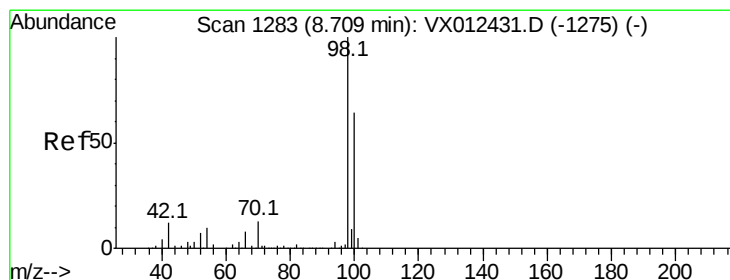
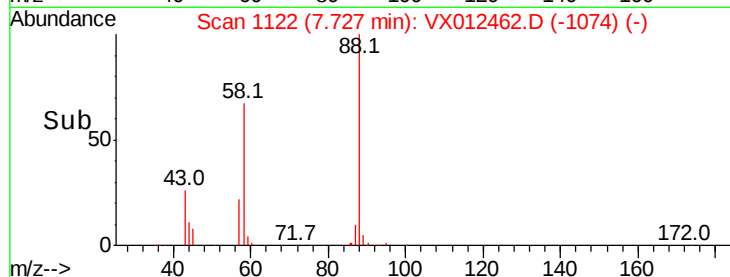
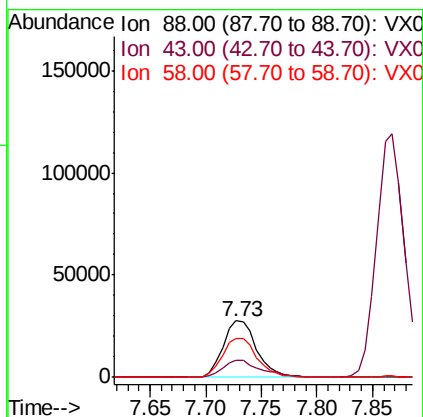
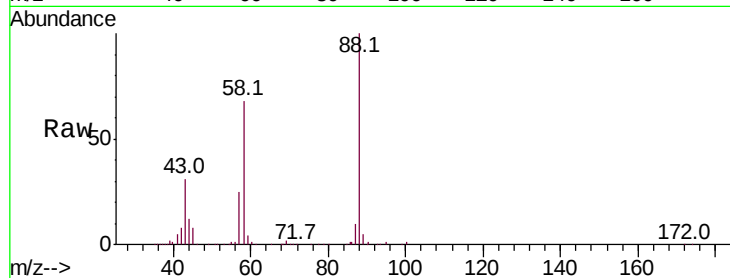




#49
 1,4-Dioxane
 Concen: 898.316 ug/l
 RT: 7.73 min Scan# 1122
 Delta R.T. -0.01 min
 Lab File: VX012462.D
 Acq: 18 Sep 2019 10:30

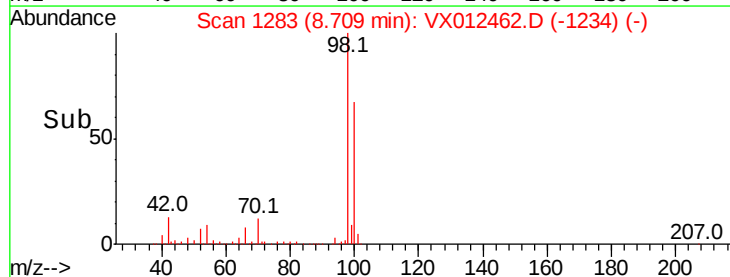
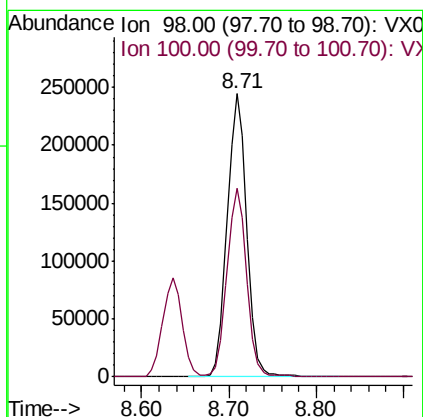
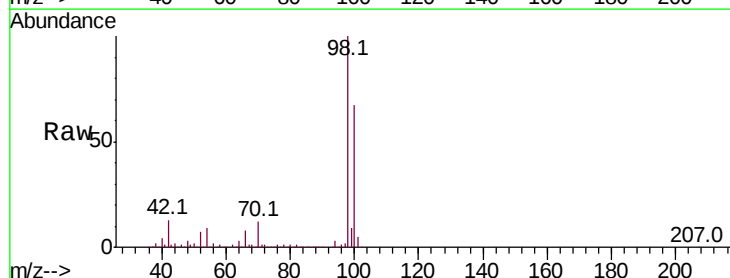
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

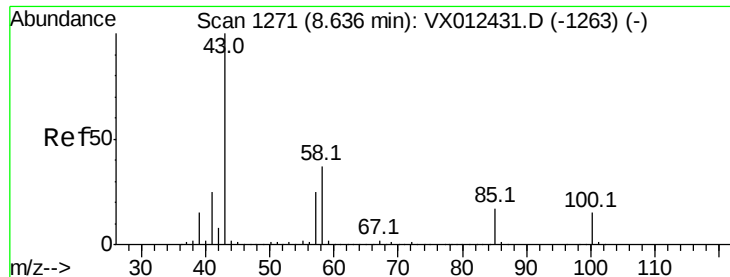
Tot Ion: 88 Resp: 57901
 Ion Ratio Lower Upper
 88 100
 43 33.0 29.4 44.0
 58 72.1 57.5 86.3



#50
 Toluene-d8
 Concen: 50.301 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VX012462.D
 Acq: 18 Sep 2019 10:30

Tgt Ion: 98 Resp: 378115
 Ion Ratio Lower Upper
 98 100
 100 66.7 53.4 80.2





#51

4-Methyl-2-Pentanone

Concen: 229.549 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX012462.D

Acq: 18 Sep 2019 10:30

Instrument :

MSVOA_X

ClientSampleId :

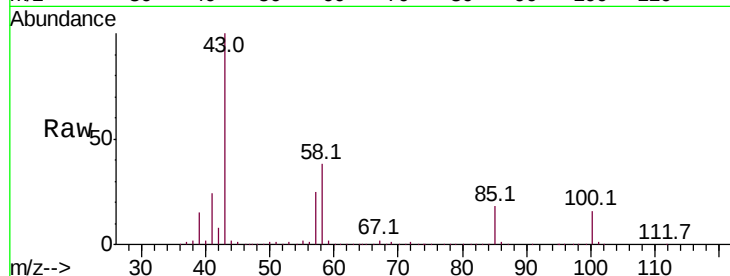
VSTDCCC050

Tot Ion: 43 Resp: 845726

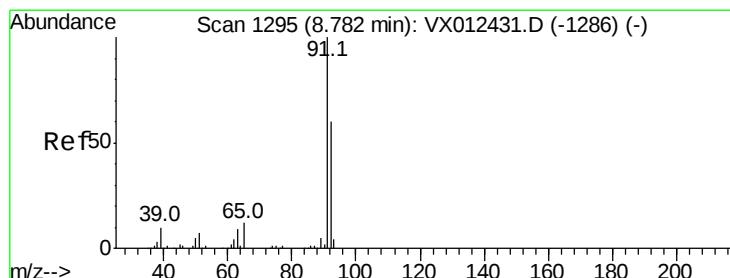
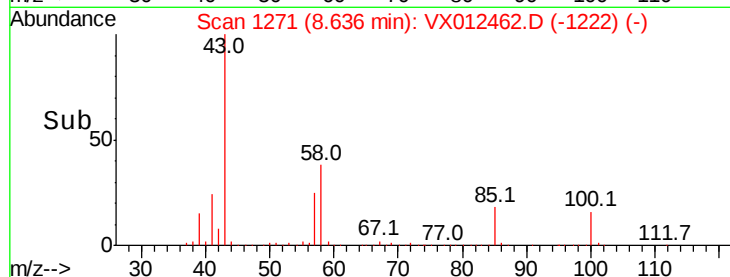
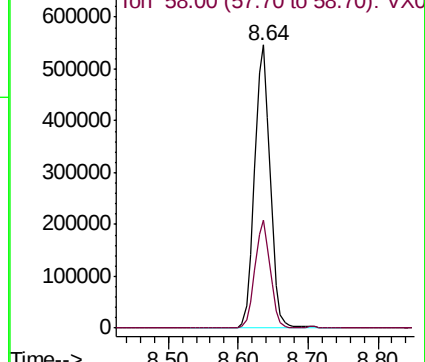
Ion Ratio Lower Upper

43 100

58 37.4 29.8 44.6



Abundance Ion 43.00 (42.70 to 43.70): VX0



#52

Toluene

Concen: 50.262 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX012462.D

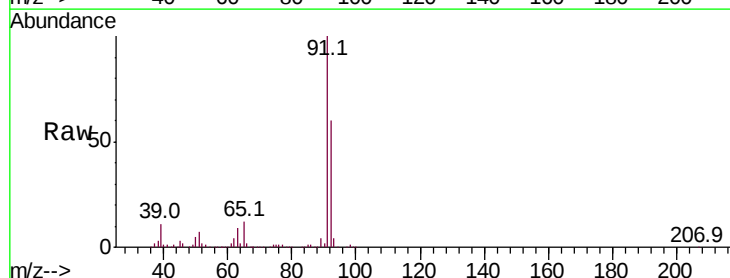
Acq: 18 Sep 2019 10:30

Tgt Ion: 92 Resp: 210018

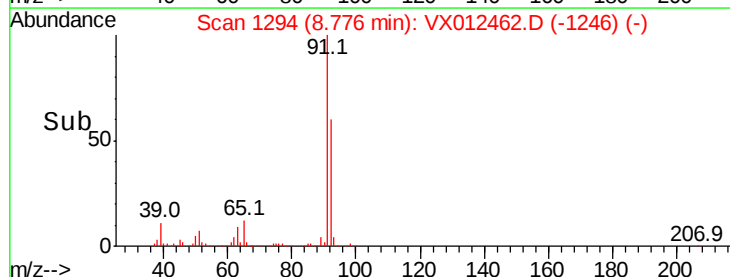
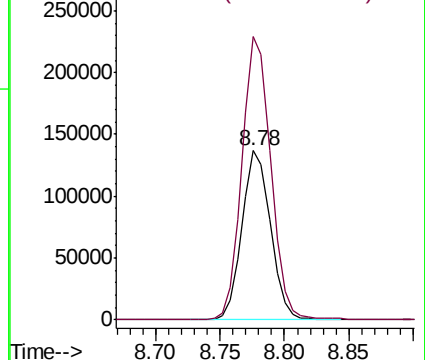
Ion Ratio Lower Upper

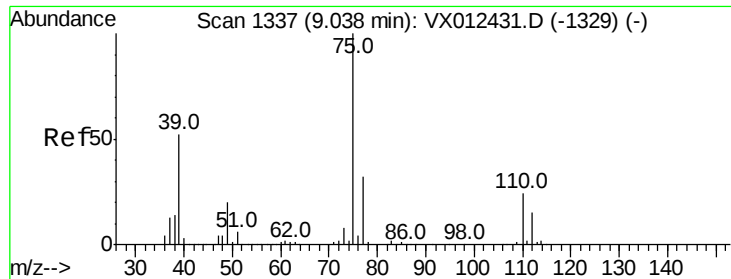
92 100

91 169.8 135.4 203.0



Abundance Ion 92.00 (91.70 to 92.70): VX0





#53

t-1,3-Dichloropropene

Concen: 50.810 ug/l

RT: 9.03 min Scan# 1336

Delta R.T. -0.01 min

Lab File: VX012462.D

Acq: 18 Sep 2019 10:30

Instrument :

MSVOA_X

ClientSampleId :

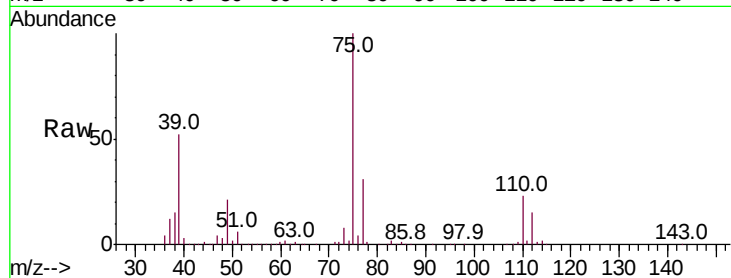
VSTDCCC050

Tot Ion: 75 Resp: 151614

Ion Ratio Lower Upper

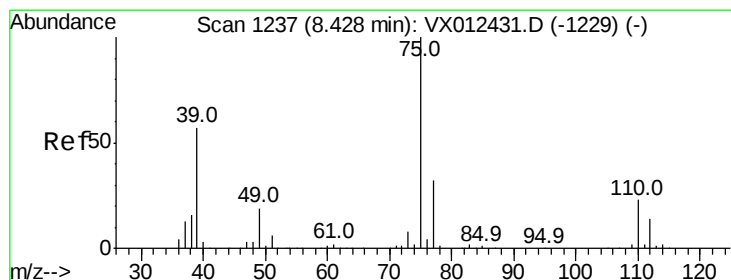
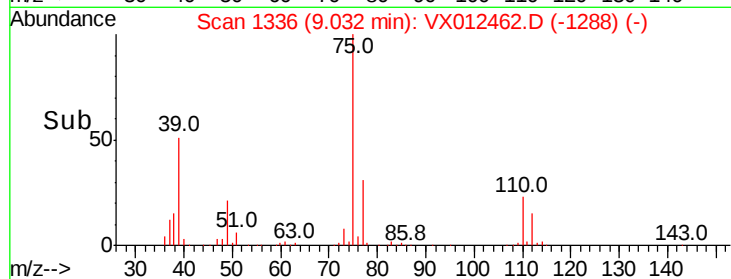
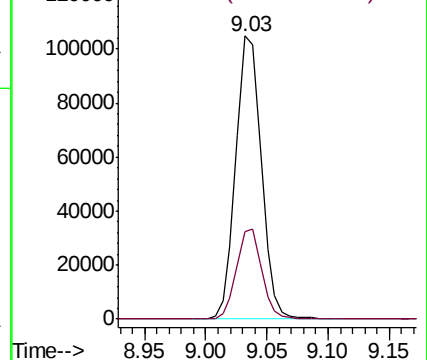
75 100

77 31.1 25.2 37.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 51.193 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VX012462.D

Acq: 18 Sep 2019 10:30

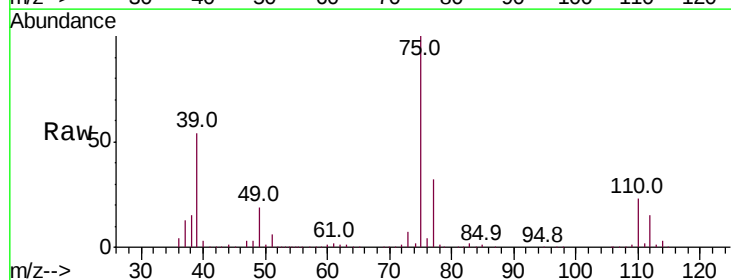
Tgt Ion: 75 Resp: 158145

Ion Ratio Lower Upper

75 100

77 32.4 25.8 38.8

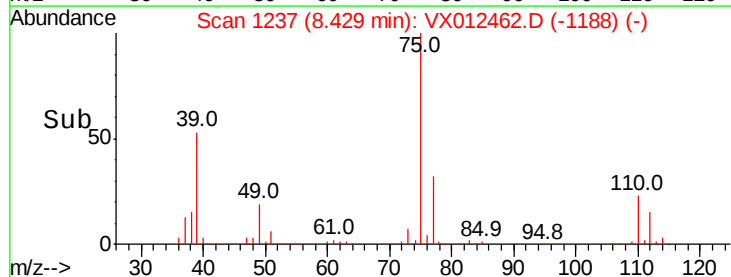
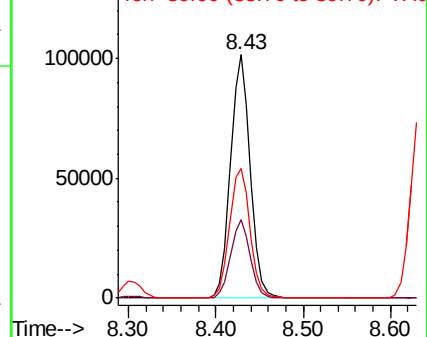
39 53.4 45.5 68.3

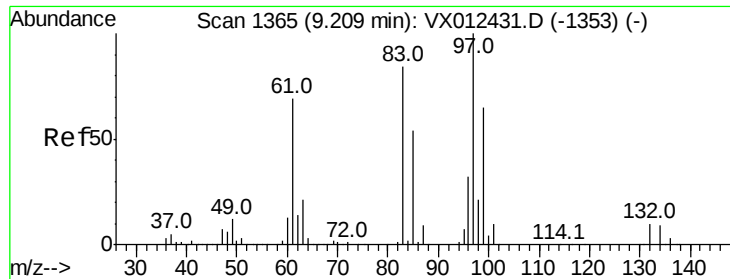


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

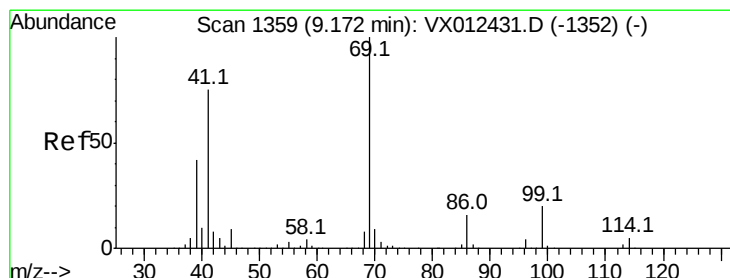
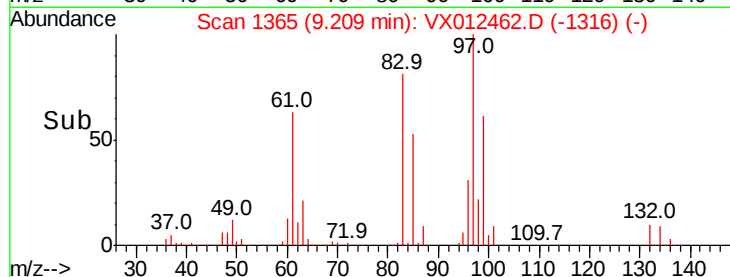
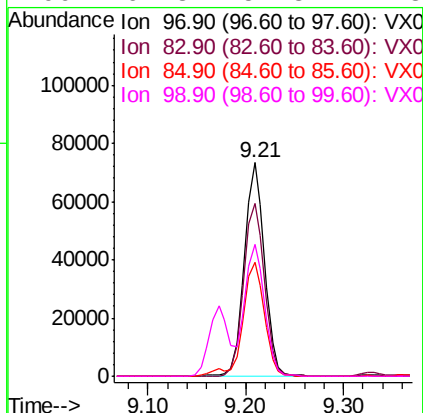
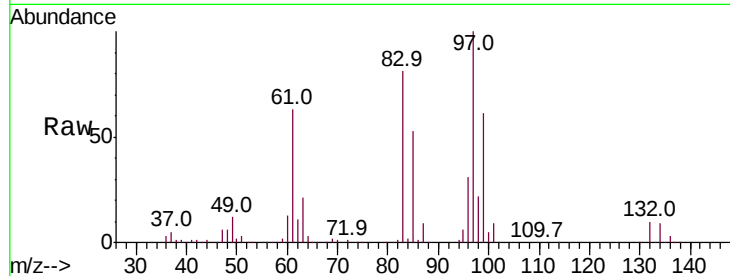




#55
 1,1,2-Trichloroethane
 Concen: 48.804 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX012462.D
 Acq: 18 Sep 2019 10:30

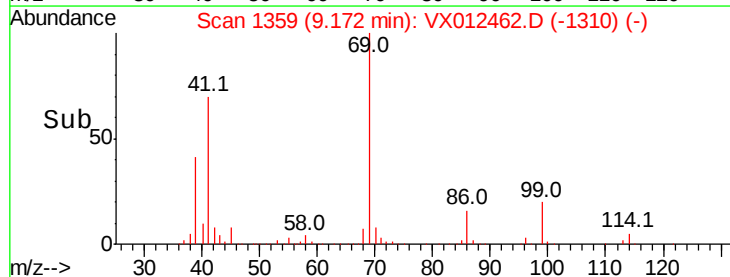
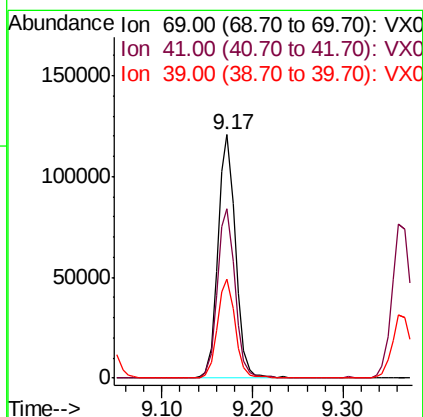
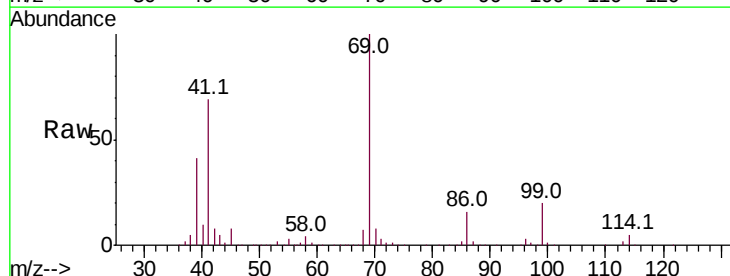
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

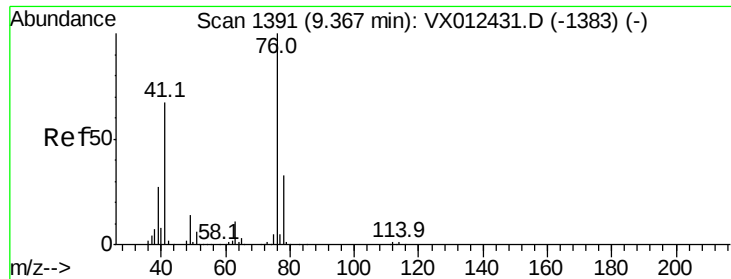
Tot Ion:	97	Resp:	105061
Ion	Ratio	Lower	Upper
97	100		
83	80.7	67.4	101.2
85	53.1	43.5	65.3
99	61.3	51.8	77.8



#56
 Ethyl methacrylate
 Concen: 48.924 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX012462.D
 Acq: 18 Sep 2019 10:30

Tgt Ion:	69	Resp:	164665
Ion	Ratio	Lower	Upper
69	100		
41	70.0	58.4	87.6
39	40.5	33.4	50.0





#57

1,3-Dichloropropane

Concen: 49.372 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX012462.D

Acq: 18 Sep 2019 10:30

Instrument :

MSVOA_X

ClientSampleId :

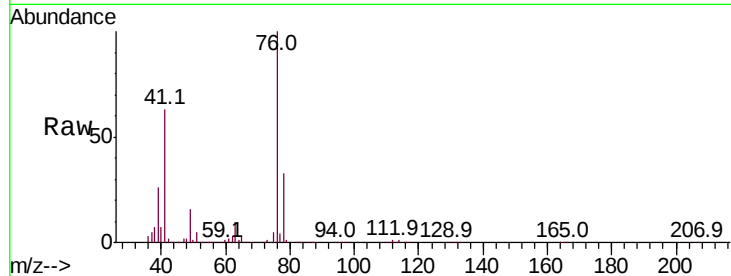
VSTDCCC050

Tot Ion: 76 Resp: 169578

Ion Ratio Lower Upper

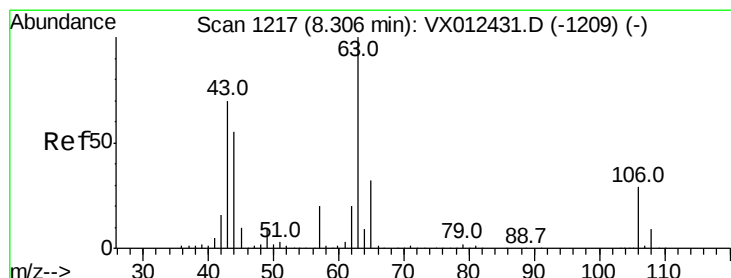
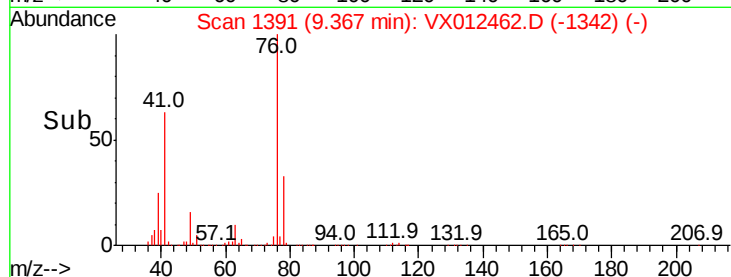
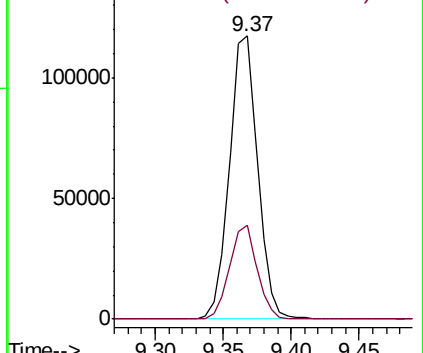
76 100

78 32.5 26.2 39.2



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 258.721 ug/l

RT: 8.30 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VX012462.D

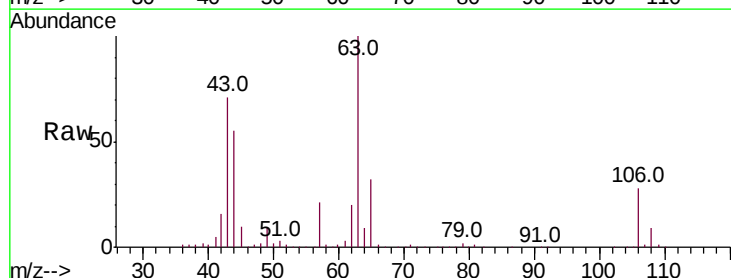
Acq: 18 Sep 2019 10:30

Tgt Ion: 63 Resp: 450756

Ion Ratio Lower Upper

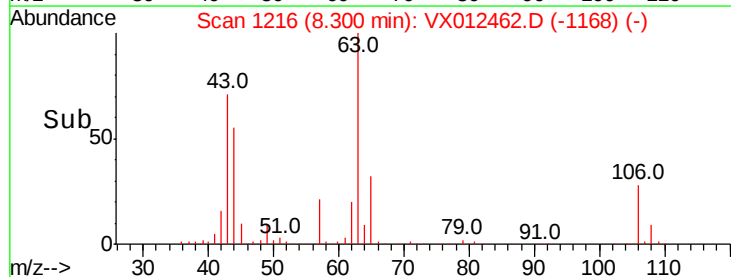
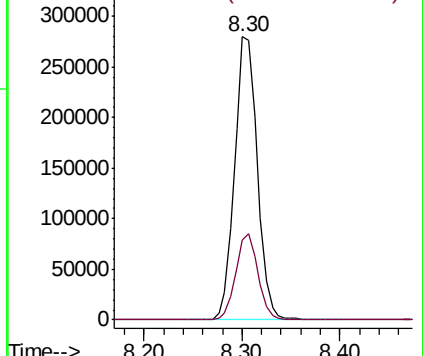
63 100

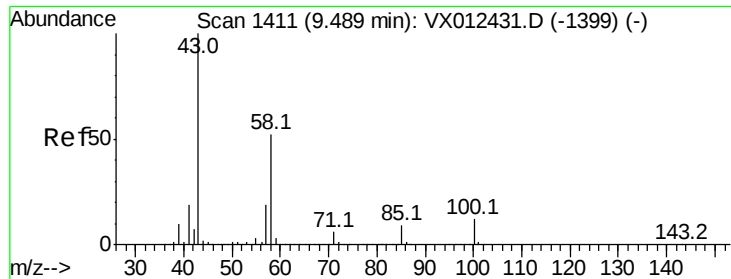
106 29.7 23.8 35.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

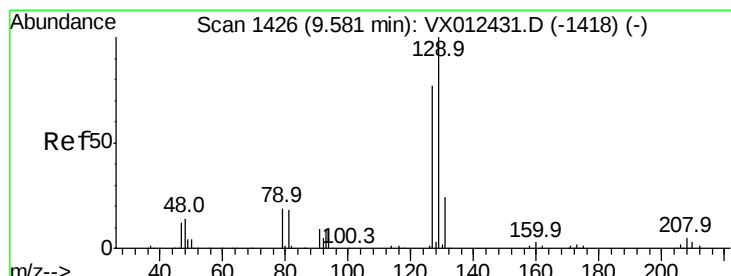
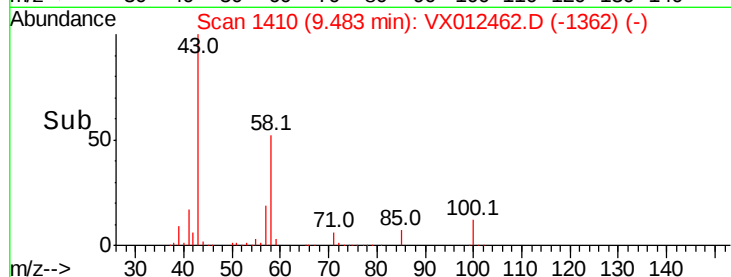
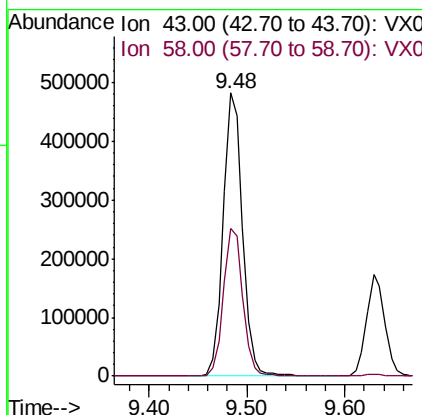
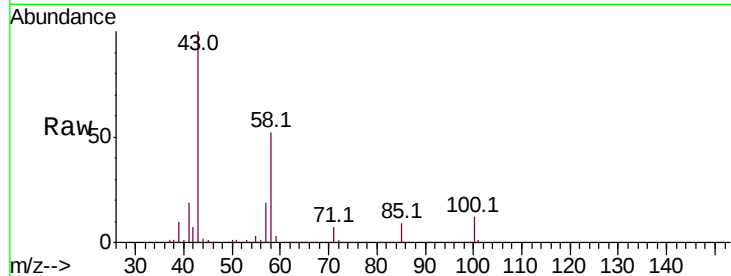




#59
2-Hexanone
Concen: 229.624 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.01 min
Lab File: VX012462.D
Acq: 18 Sep 2019 10:30

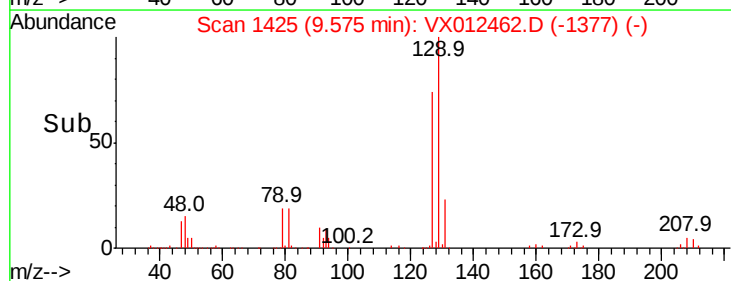
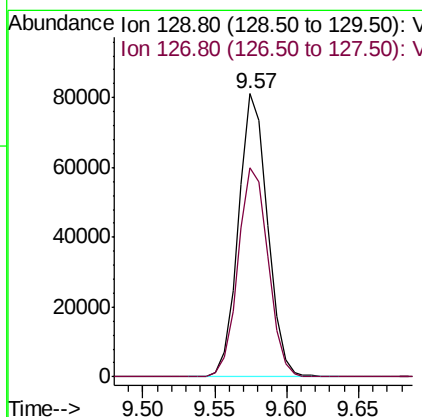
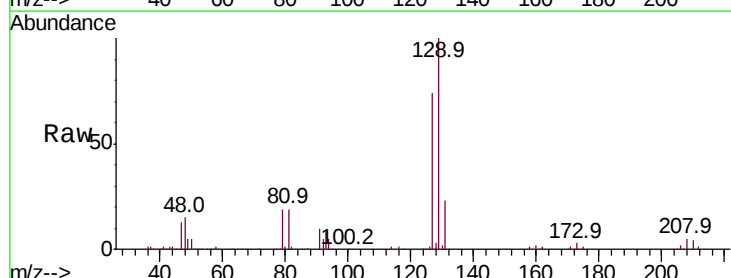
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

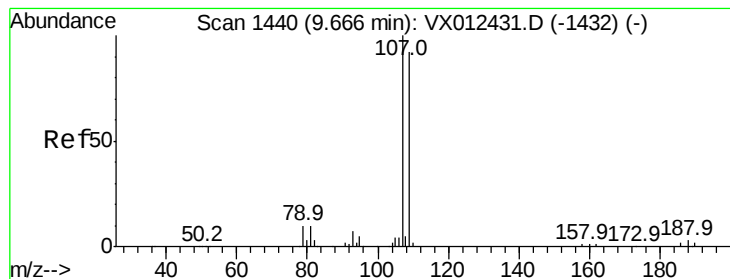
Tot Ion: 43 Resp: 660020
Ion Ratio Lower Upper
43 100
58 52.8 25.7 77.1



#60
Dibromochloromethane
Concen: 52.045 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.01 min
Lab File: VX012462.D
Acq: 18 Sep 2019 10:30

Tgt Ion: 129 Resp: 114123
Ion Ratio Lower Upper
129 100
127 76.4 38.9 116.6





#61

1,2-Dibromoethane

Concen: 51.003 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX012462.D

Acq: 18 Sep 2019 10:30

Instrument :

MSVOA_X

ClientSampleId :

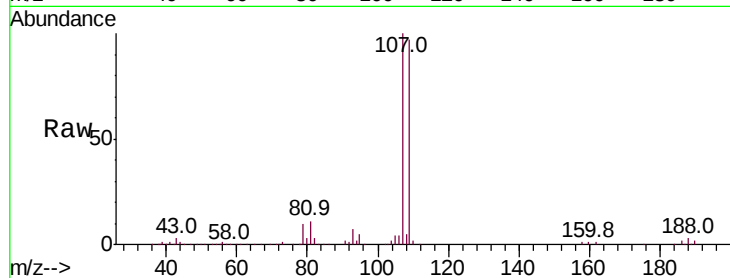
VSTDCCC050

Tot Ion:107 Resp: 100276

Ion Ratio Lower Upper

107 100

109 95.1 74.7 112.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

80000

60000

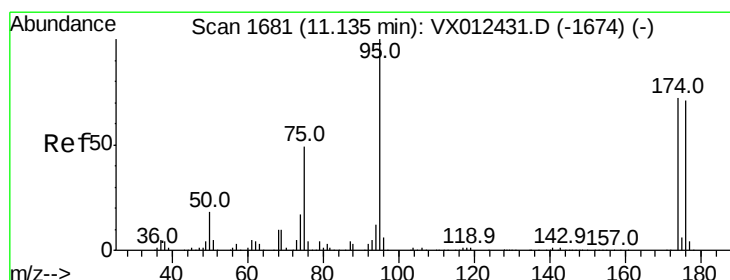
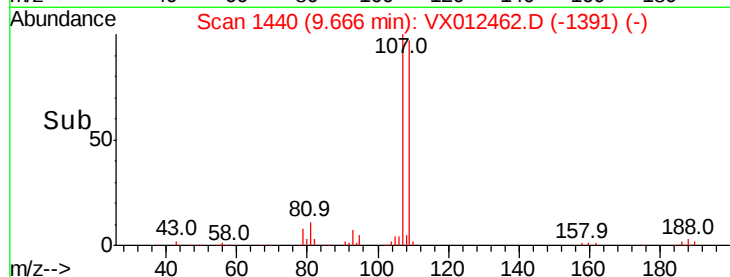
40000

20000

0

Time-->

9.60 9.65 9.70 9.75



#62

4-Bromofluorobenzene

Concen: 50.748 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX012462.D

Acq: 18 Sep 2019 10:30

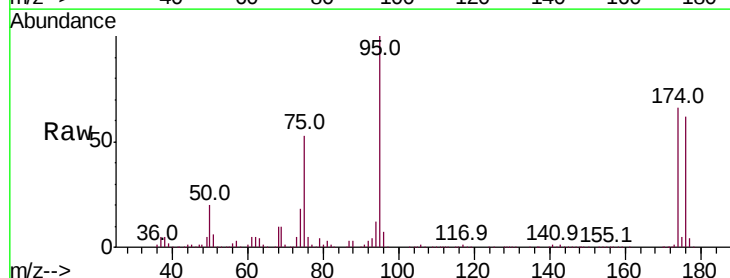
Tgt Ion: 95 Resp: 158389

Ion Ratio Lower Upper

95 100

174 70.7 0.0 140.0

176 69.0 0.0 135.4



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

150000

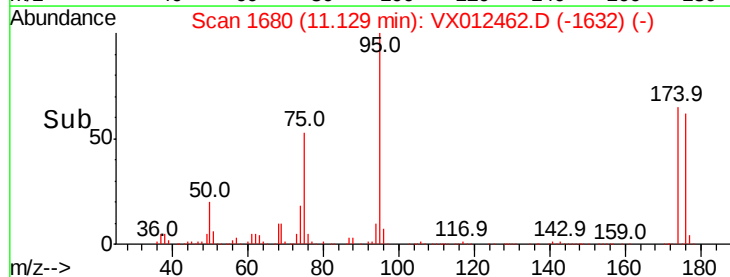
100000

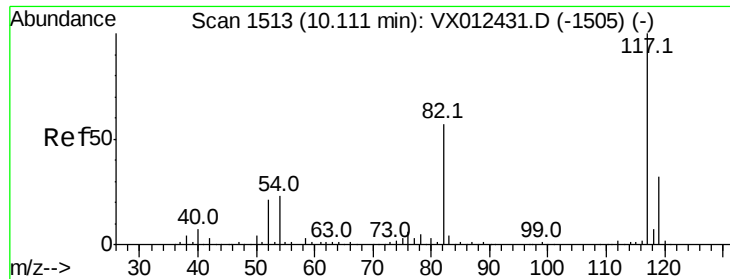
50000

0

Time-->

11.10 11.20

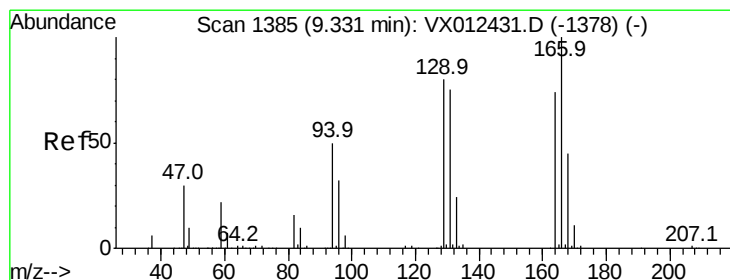
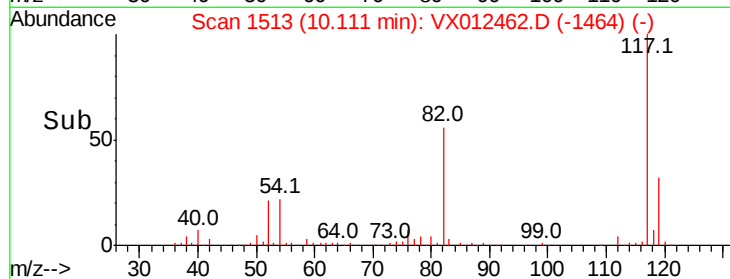
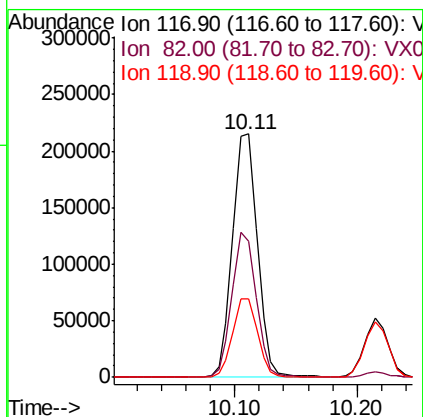
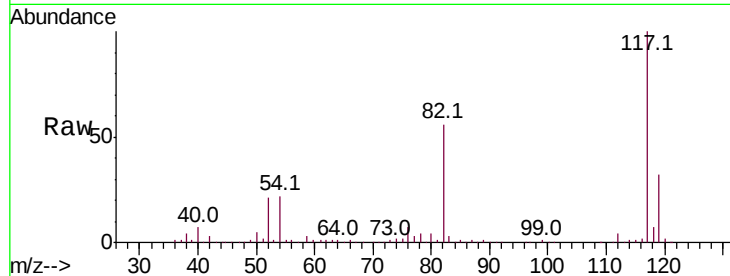




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012462.D
Acq: 18 Sep 2019 10:30

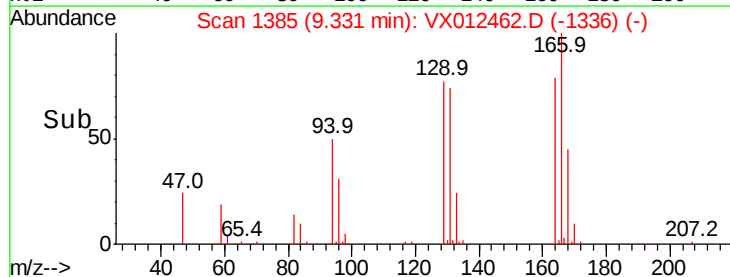
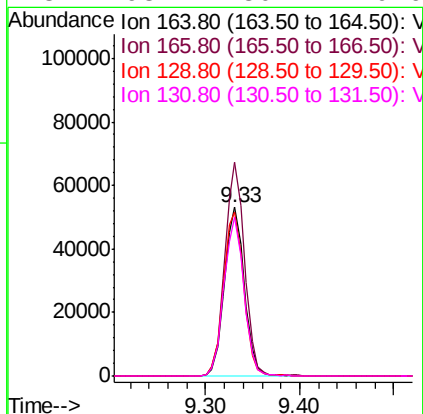
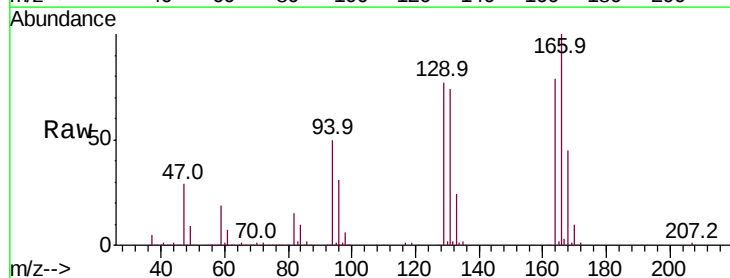
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

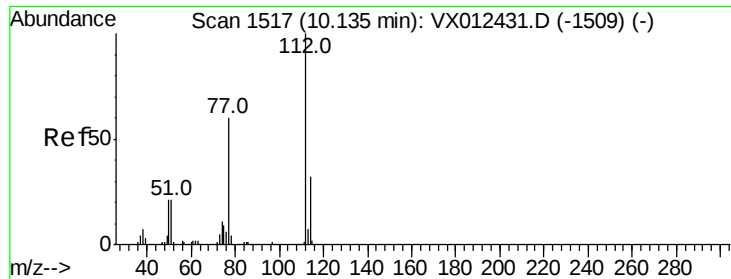
Tot Ion:117 Resp: 303699
Ion Ratio Lower Upper
117 100
82 56.1 45.9 68.9
119 32.4 25.3 37.9



#64
Tetrachloroethene
Concen: 55.899 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX012462.D
Acq: 18 Sep 2019 10:30

Tgt Ion:164 Resp: 77793
Ion Ratio Lower Upper
164 100
166 126.5 107.8 161.6
129 97.3 86.2 129.2
131 93.7 80.4 120.6





#65

Chlorobenzene

Concen: 50.063 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX012462.D

Acq: 18 Sep 2019 10:30

Instrument :

MSVOA_X

ClientSampleId :

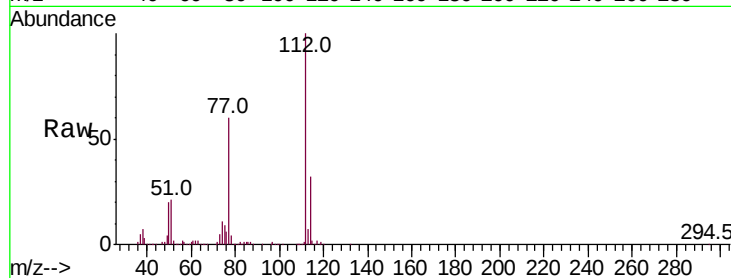
VSTDCCC050

Tot Ion:112 Resp: 250941

Ion Ratio Lower Upper

112 100

114 32.2 25.4 38.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.14

200000

150000

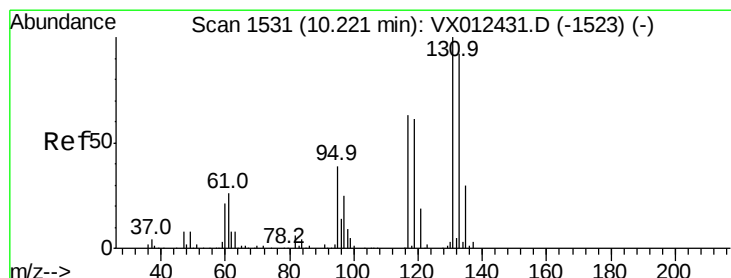
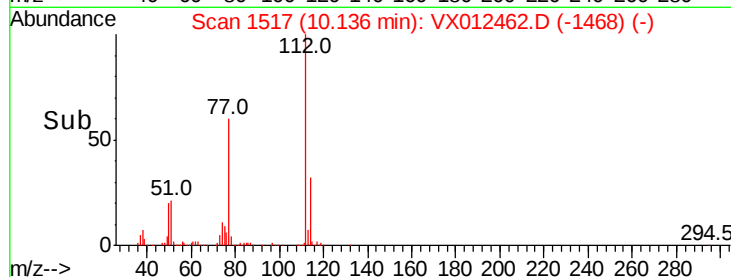
100000

50000

0

Time-->

10.10 10.20 10.30



#66

1,1,1,2-Tetrachloroethane

Concen: 50.905 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VX012462.D

Acq: 18 Sep 2019 10:30

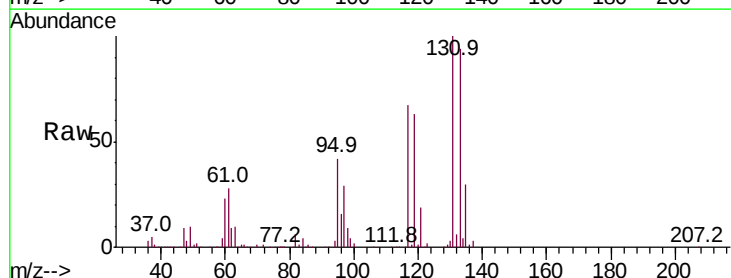
Tgt Ion:131 Resp: 105900

Ion Ratio Lower Upper

131 100

133 94.2 47.6 142.9

119 62.8 31.3 93.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

10.21

100000

80000

60000

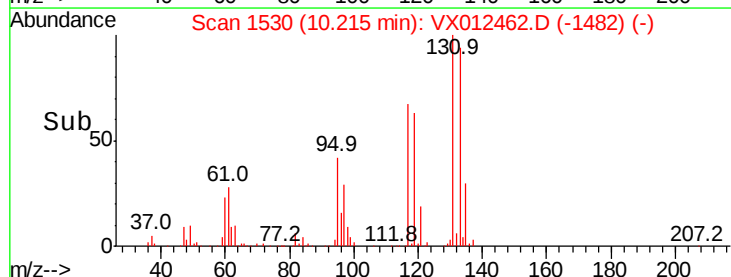
40000

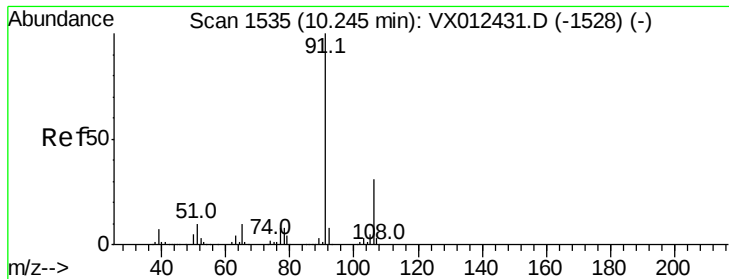
20000

0

Time-->

10.15 10.20 10.25 10.30





#67

Ethyl Benzene

Concen: 50.493 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX012462.D

Acq: 18 Sep 2019 10:30

Instrument :

MSVOA_X

ClientSampleId :

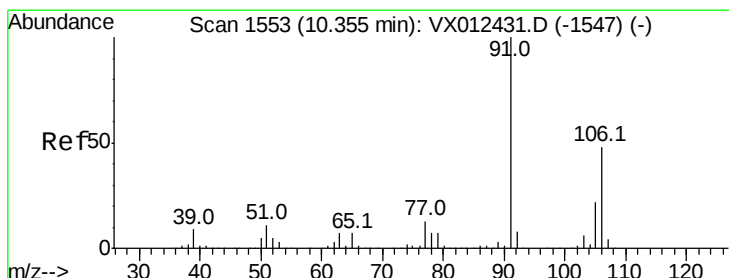
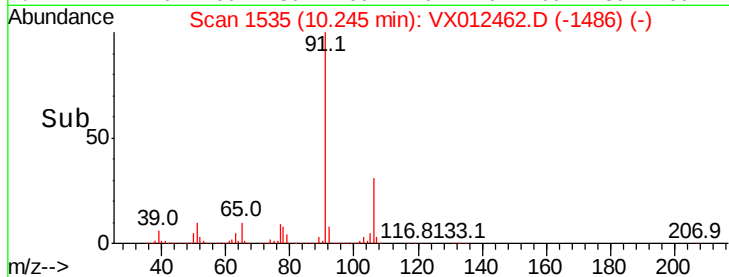
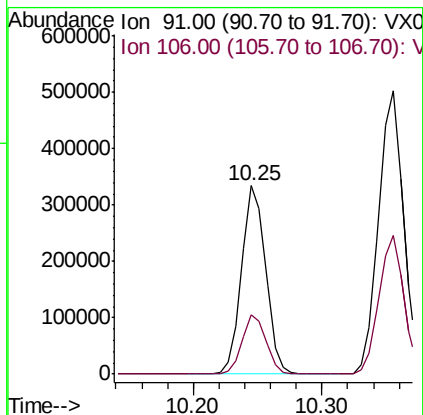
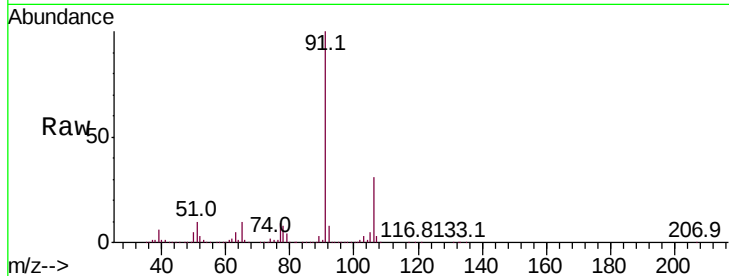
VSTDCCC050

Tot Ion: 91 Resp: 434840

Ion Ratio Lower Upper

91 100

106 31.5 24.6 37.0



#68

m/p-Xylenes

Concen: 104.860 ug/l

RT: 10.36 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX012462.D

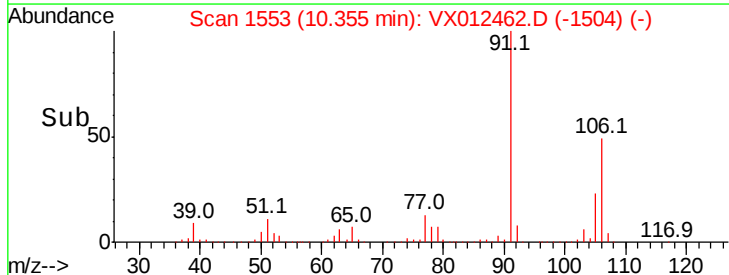
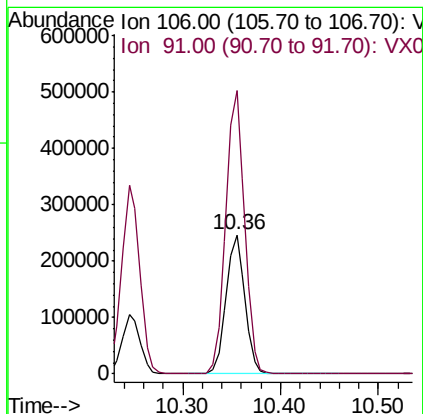
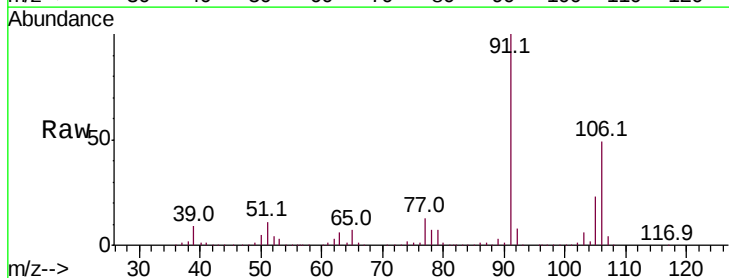
Acq: 18 Sep 2019 10:30

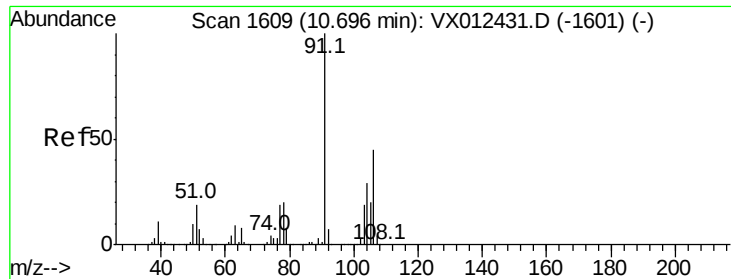
Tgt Ion: 106 Resp: 328570

Ion Ratio Lower Upper

106 100

91 204.7 166.6 250.0

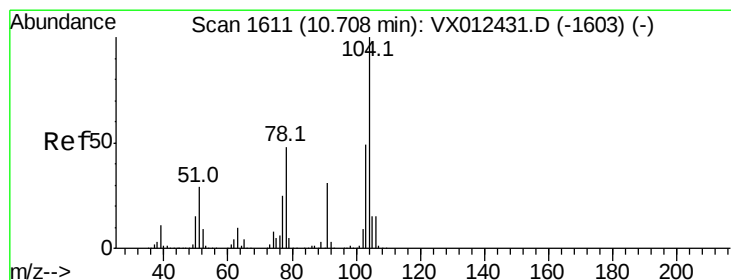
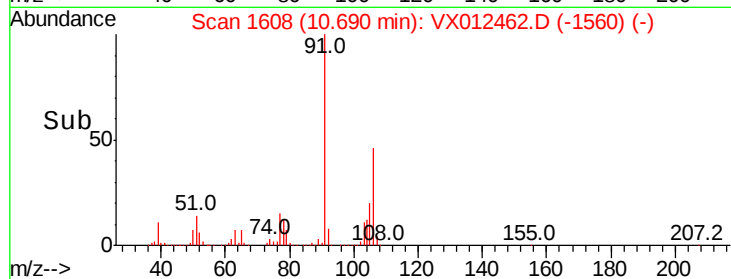
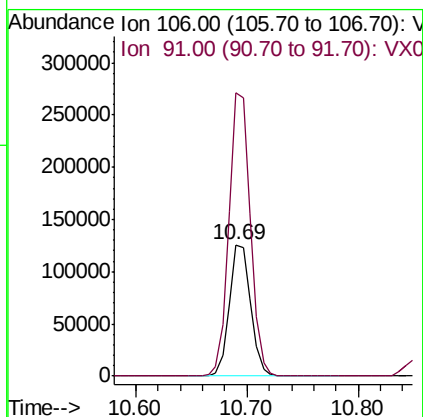
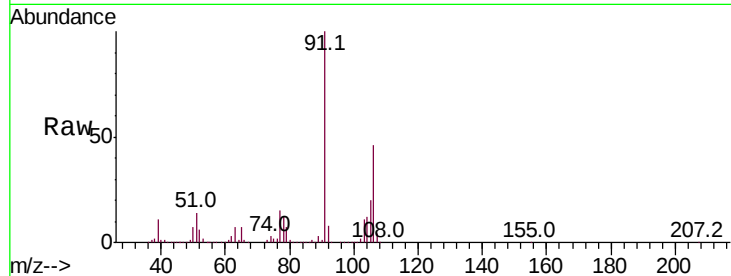




#69
o-Xylene
Concen: 51.540 ug/l
RT: 10.69 min Scan# 1608
Delta R.T. -0.01 min
Lab File: VX012462.D
Acq: 18 Sep 2019 10:30

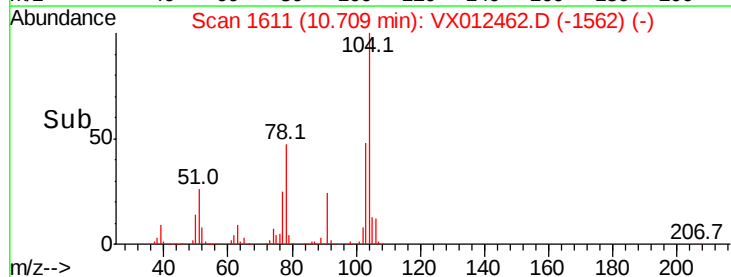
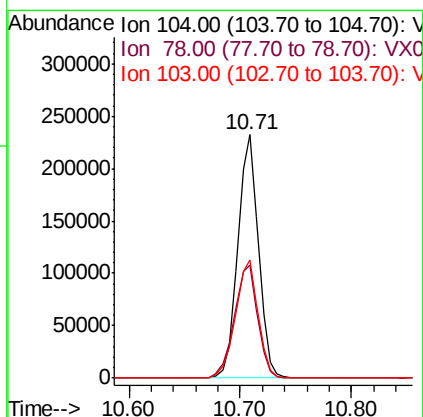
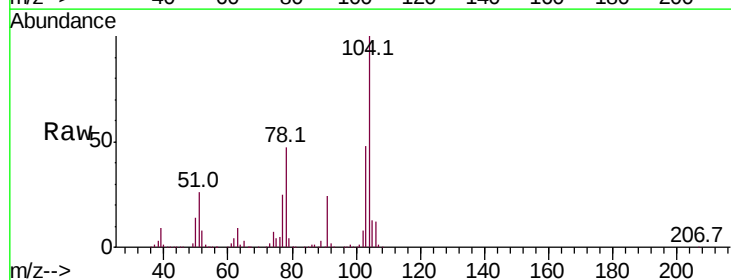
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

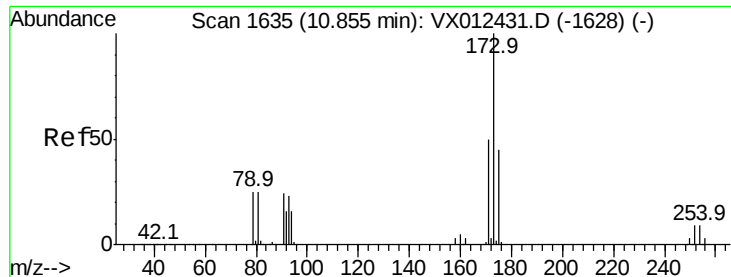
Tot Ion:106 Resp: 166084
Ion Ratio Lower Upper
106 100
91 216.8 109.4 328.2



#70
Styrene
Concen: 52.186 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX012462.D
Acq: 18 Sep 2019 10:30

Tgt Ion:104 Resp: 297539
Ion Ratio Lower Upper
104 100
78 52.8 43.4 65.2
103 53.2 43.3 64.9





#71

Bromoform

Concen: 45.259 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX012462.D

Acq: 18 Sep 2019 10:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

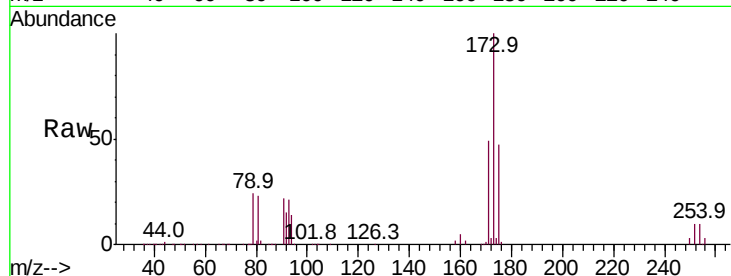
Tot Ion:173 Resp: 80551

Ion Ratio Lower Upper

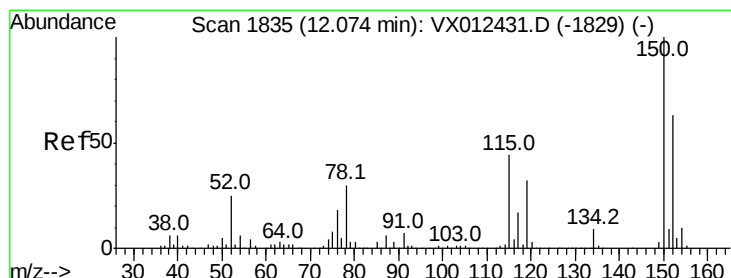
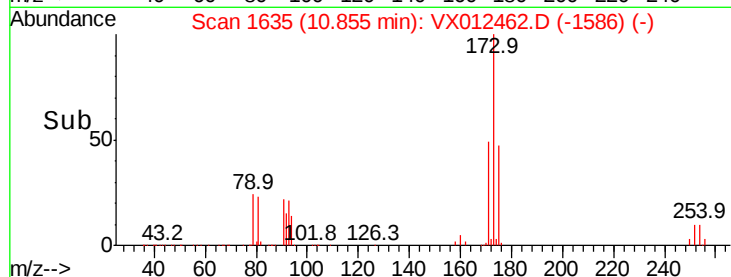
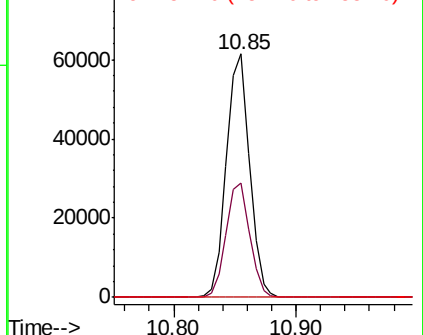
173 100

175 48.0 23.7 71.1

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: VX012462.D

Acq: 18 Sep 2019 10:30

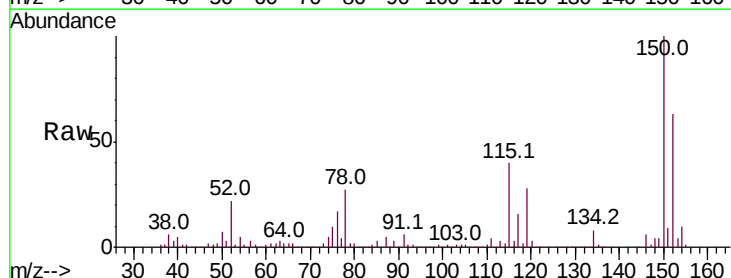
Tgt Ion:152 Resp: 156627

Ion Ratio Lower Upper

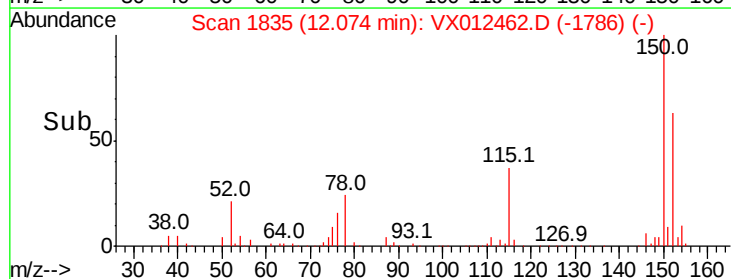
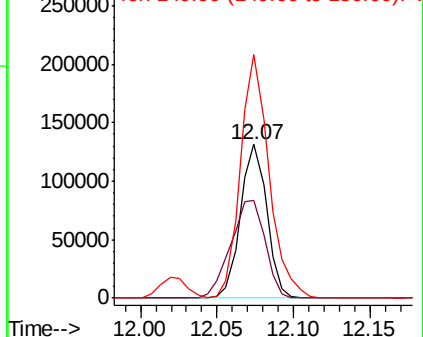
152 100

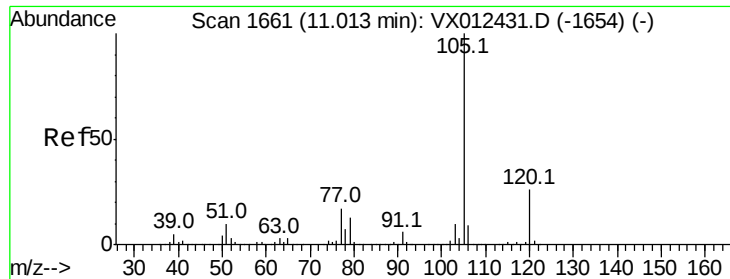
115 83.7 44.1 132.3

150 172.1 0.0 343.8



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: 47.418 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX012462.D

Acq: 18 Sep 2019 10:30

Instrument :

MSVOA_X

ClientSampleId :

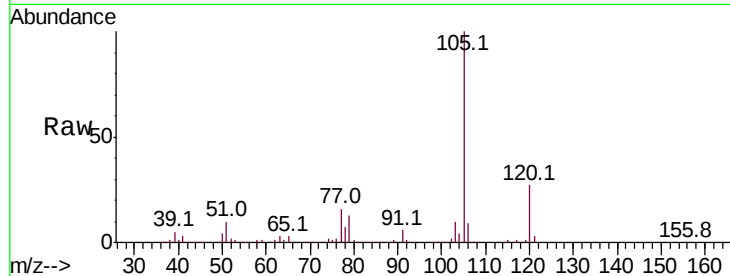
VSTDCCC050

Tot Ion:105 Resp: 466000

Ion Ratio Lower Upper

105 100

120 26.7 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.01

400000

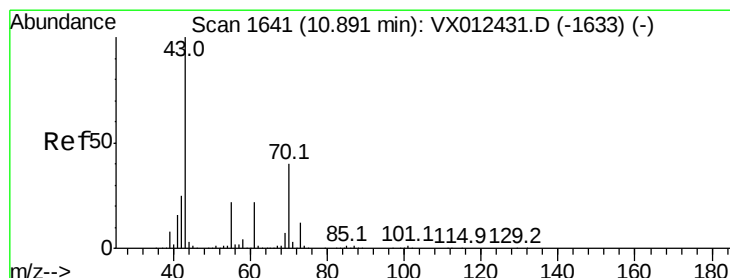
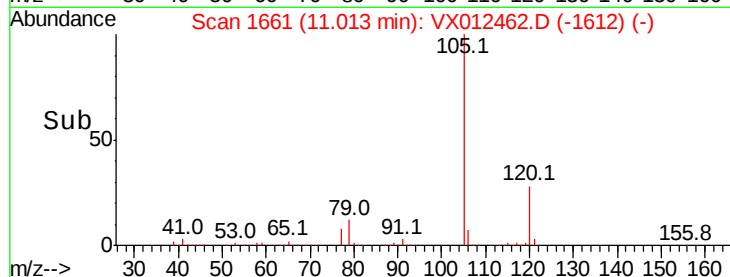
300000

200000

100000

0

Time--> 10.90 11.00 11.10



#74

N-ethyl acetate

Concen: 44.470 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX012462.D

Acq: 18 Sep 2019 10:30

Tgt Ion: 43 Resp: 235288

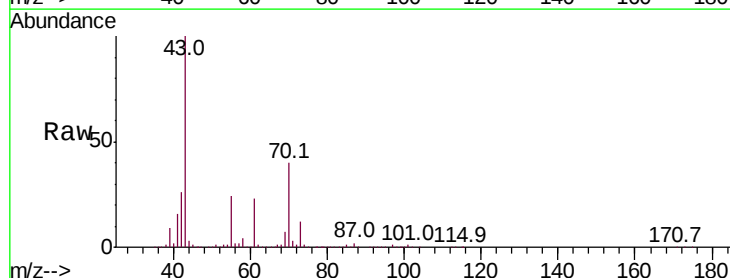
Ion Ratio Lower Upper

43 100

70 40.9 32.4 48.6

55 23.7 18.2 27.4

61 23.7 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

300000

250000

200000

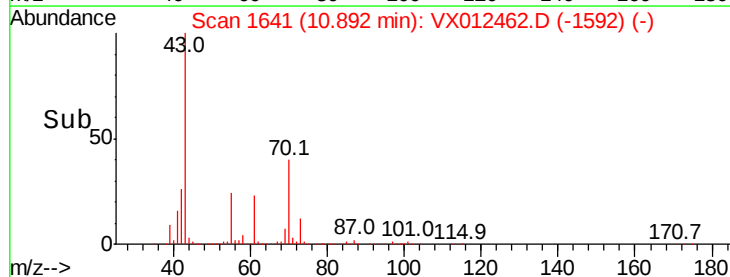
150000

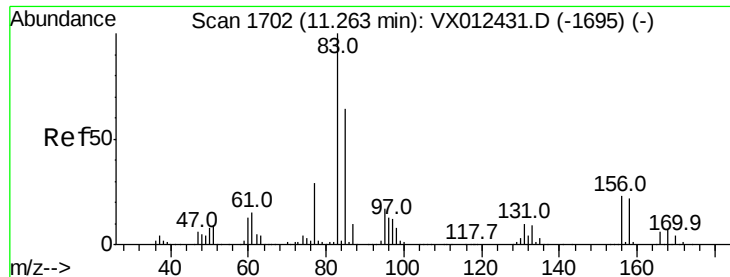
100000

50000

0

Time--> 10.80 10.90 11.00





#75

1,1,2,2-Tetrachloroethane

Concen: 43.534 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX012462.D

Acq: 18 Sep 2019 10:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

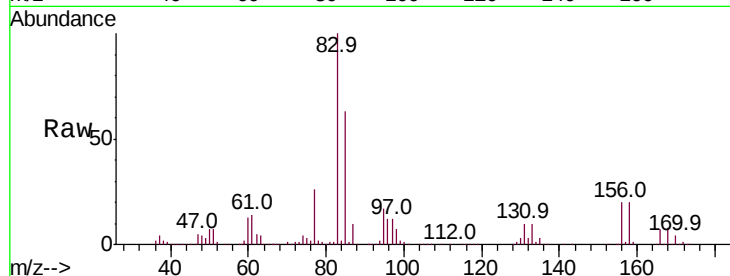
Tot Ion: 83 Resp: 167825

Ion Ratio Lower Upper

83 100

131 10.8 5.2 15.6

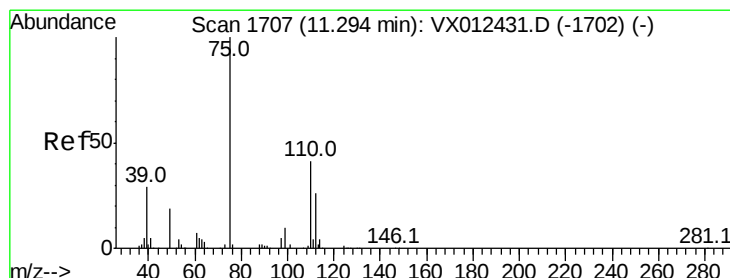
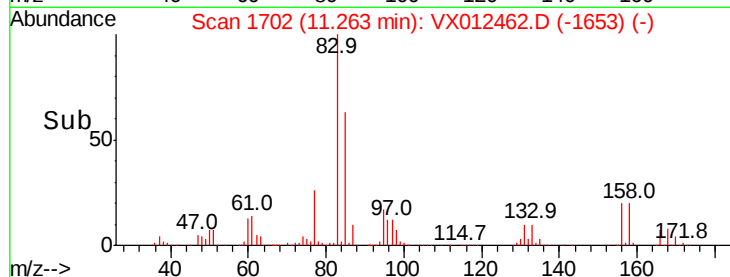
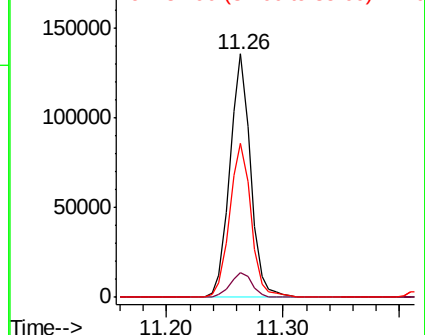
85 65.4 32.0 96.0



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: 56.001 ug/l

RT: 11.29 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX012462.D

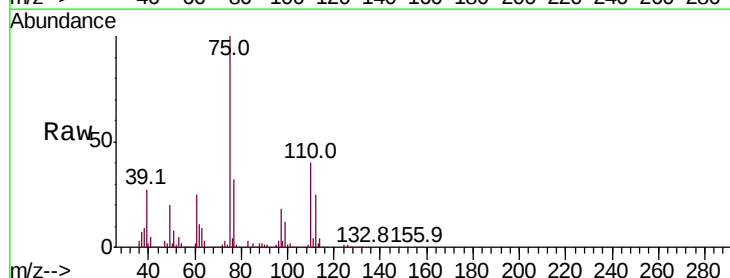
Acq: 18 Sep 2019 10:30

Tgt Ion: 75 Resp: 201482

Ion Ratio Lower Upper

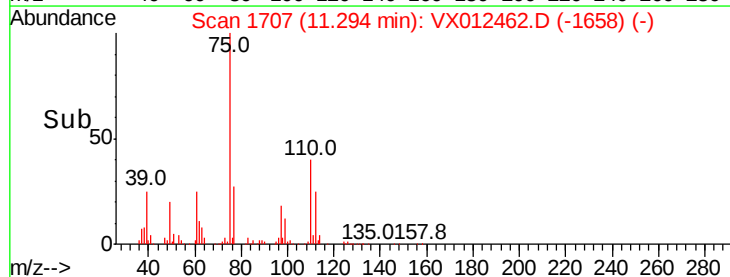
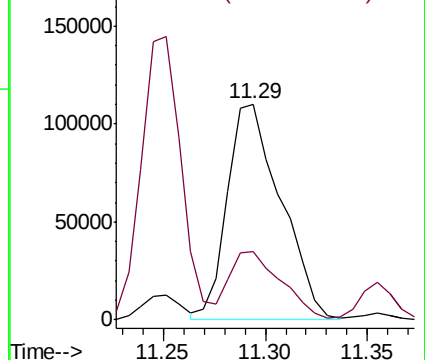
75 100

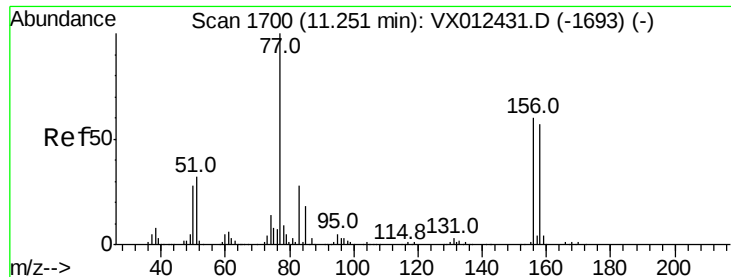
77 30.3 19.7 59.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 47.341 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX012462.D

Acq: 18 Sep 2019 10:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

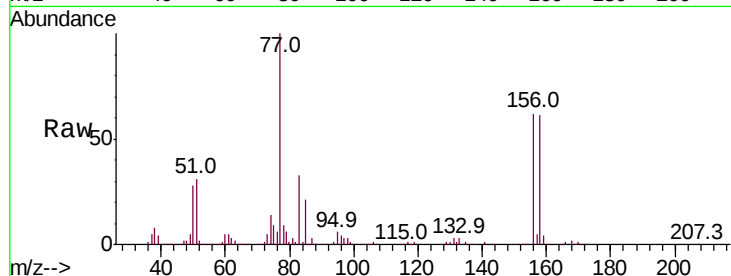
Tot Ion:156 Resp: 113464

Ion Ratio Lower Upper

156 100

77 173.6 87.3 261.8

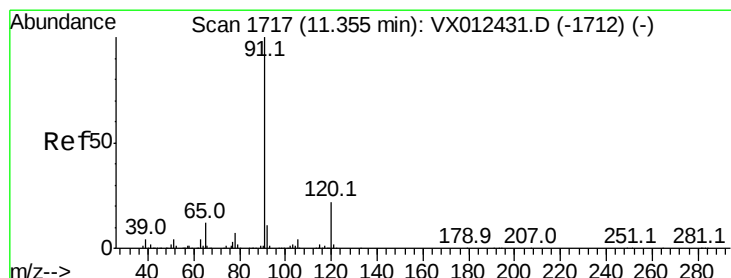
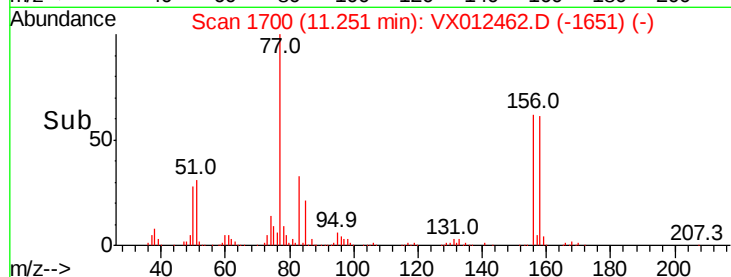
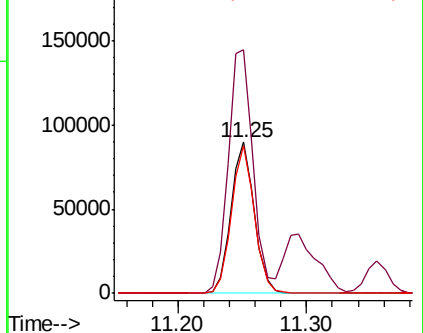
158 96.4 48.5 145.6



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: 49.147 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX012462.D

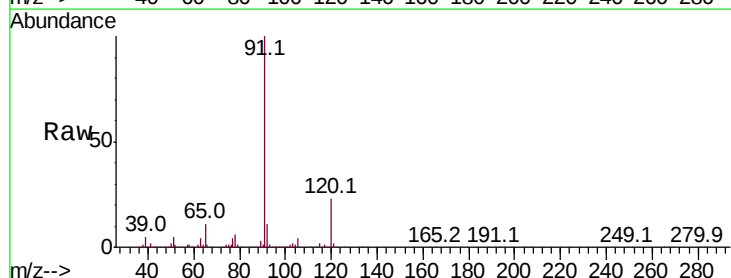
Acq: 18 Sep 2019 10:30

Tgt Ion: 91 Resp: 538308

Ion Ratio Lower Upper

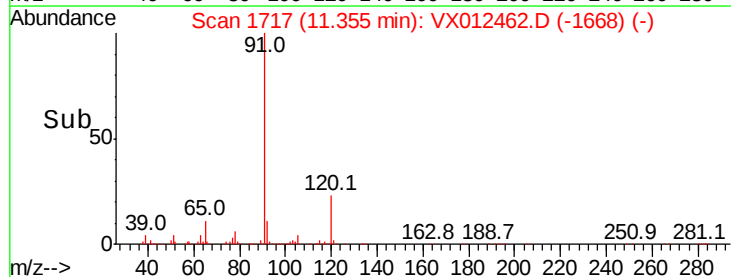
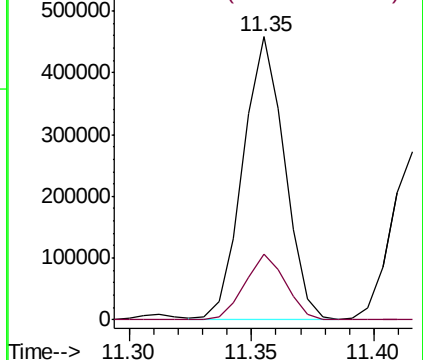
91 100

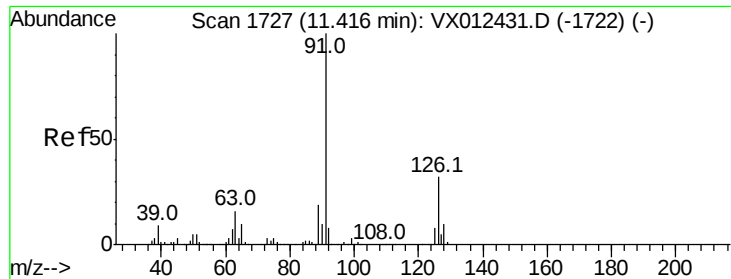
120 23.2 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.763 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX012462.D

Acq: 18 Sep 2019 10:30

Instrument :

MSVOA_X

ClientSampled :

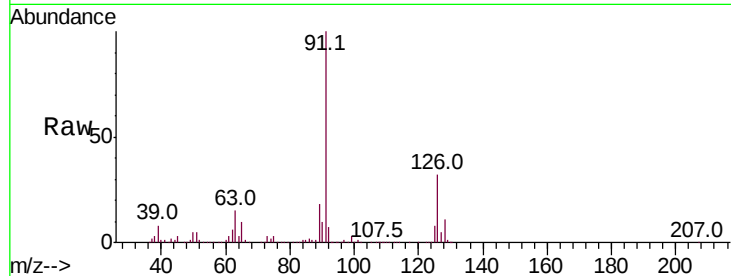
VSTDCCC050

Tot Ion: 91 Resp: 333214

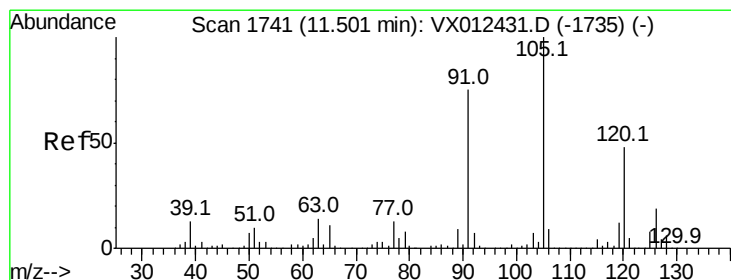
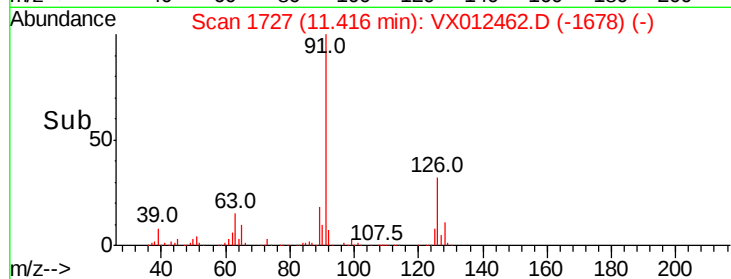
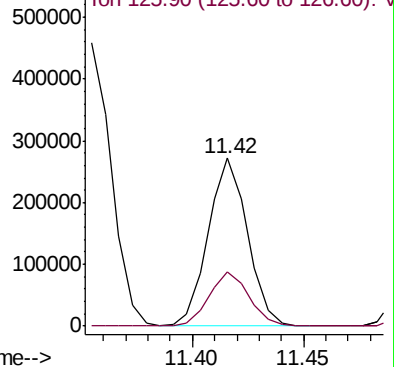
Ion Ratio Lower Upper

91 100

126 32.6 16.4 49.4



Abundance Ion 91.00 (90.70 to 91.70): VX012431.D (-1722) (-)



#80

1,3,5-Trimethylbenzene

Concen: 48.299 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX012462.D

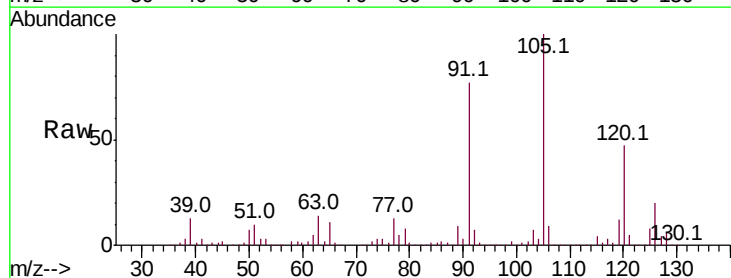
Acq: 18 Sep 2019 10:30

Tgt Ion: 105 Resp: 404806

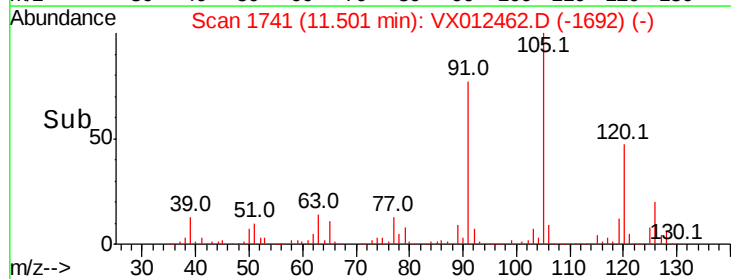
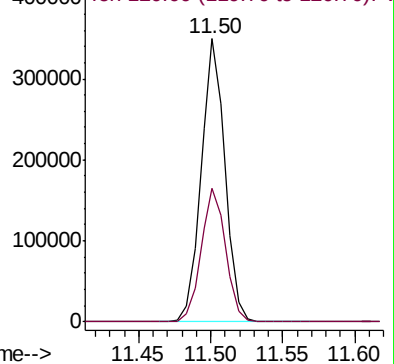
Ion Ratio Lower Upper

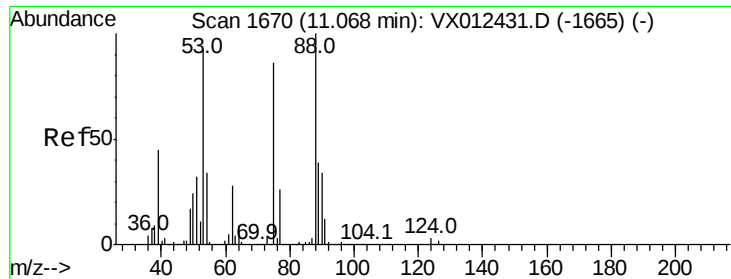
105 100

120 48.6 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VX012431.D (-1735) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 41.813 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX012462.D

Acq: 18 Sep 2019 10:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

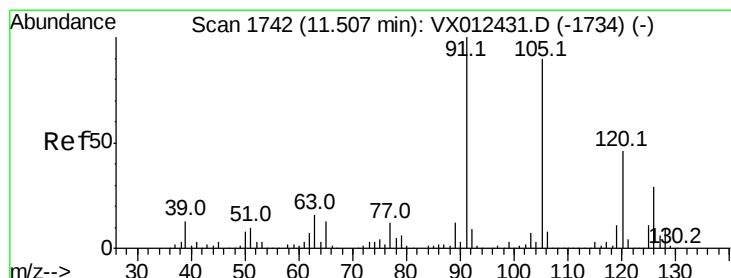
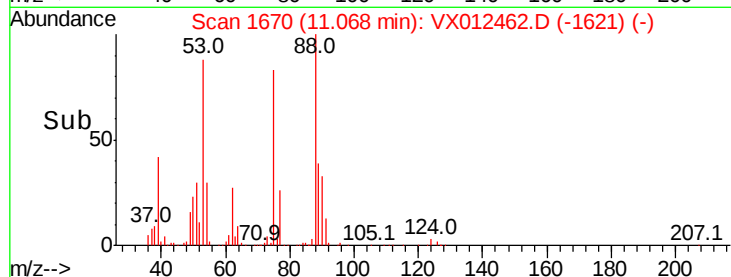
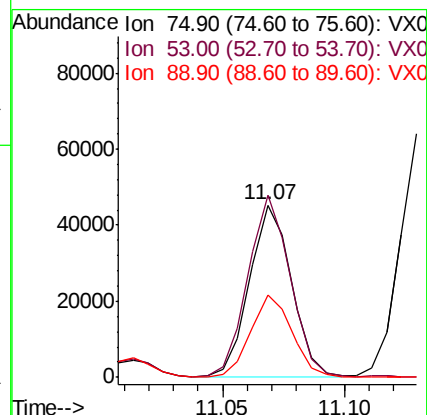
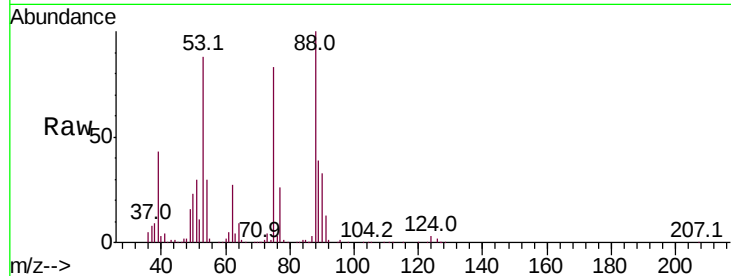
Tot Ion: 75 Resp: 54088

Ion Ratio Lower Upper

75 100

53 107.4 83.6 125.4

89 47.3 36.3 54.5



#82

4-Chlorotoluene

Concen: 48.092 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX012462.D

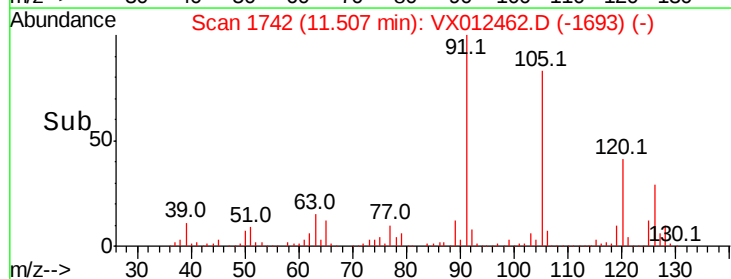
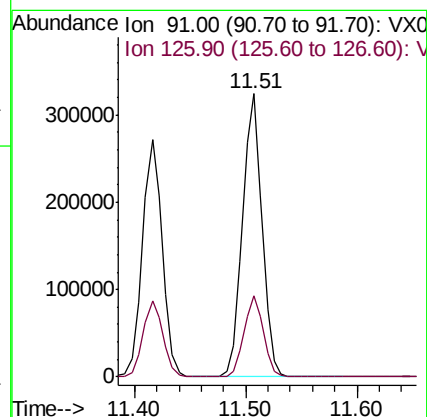
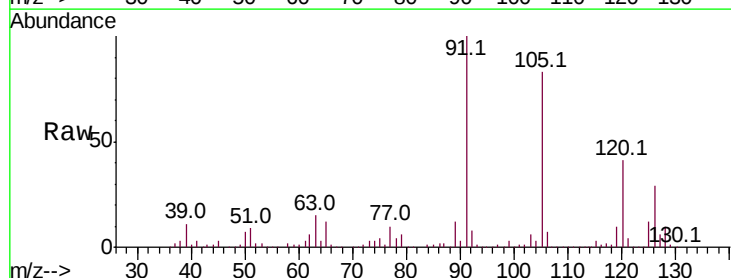
Acq: 18 Sep 2019 10:30

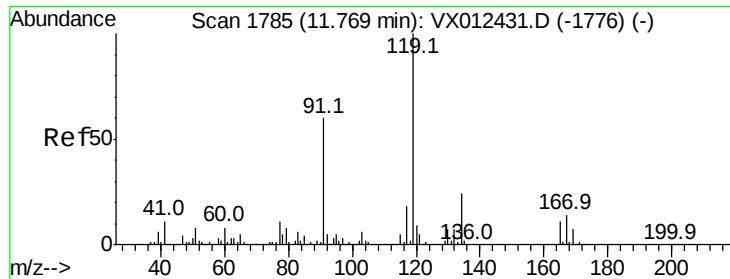
Tgt Ion: 91 Resp: 393301

Ion Ratio Lower Upper

91 100

126 28.7 14.4 43.0

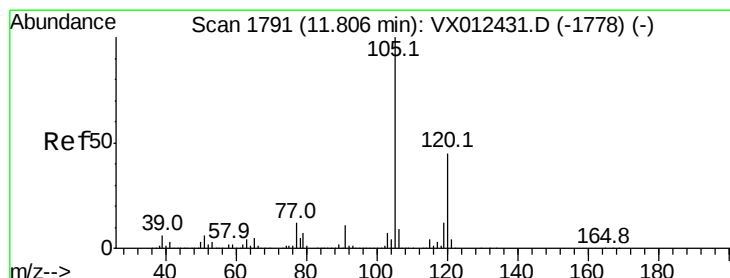
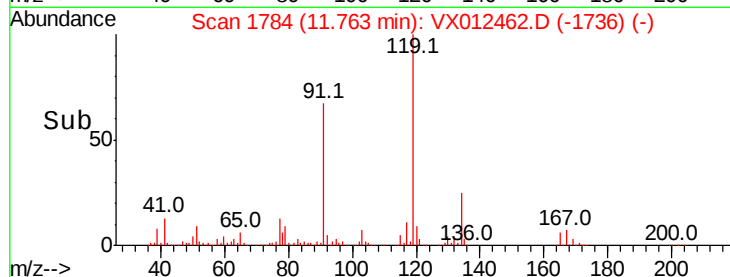
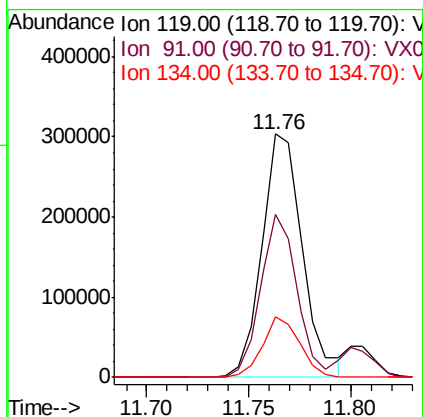
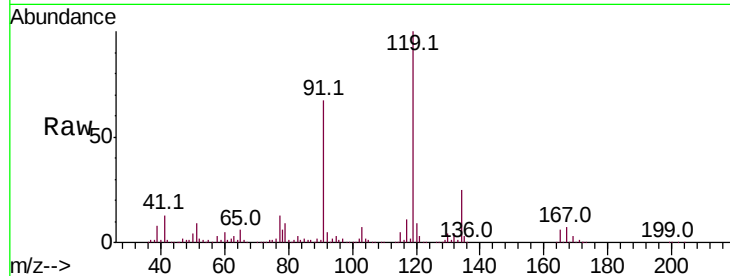




#83
tert-Butylbenzene
Concen: 46.713 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. -0.01 min
Lab File: VX012462.D
Acq: 18 Sep 2019 10:30

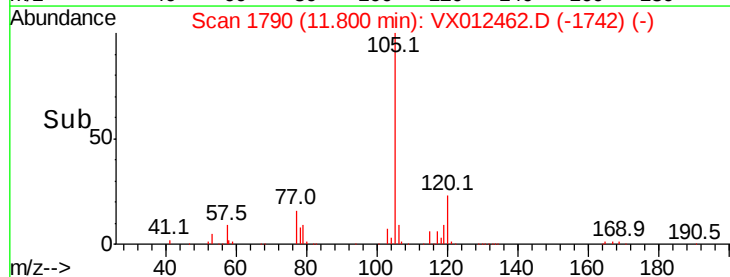
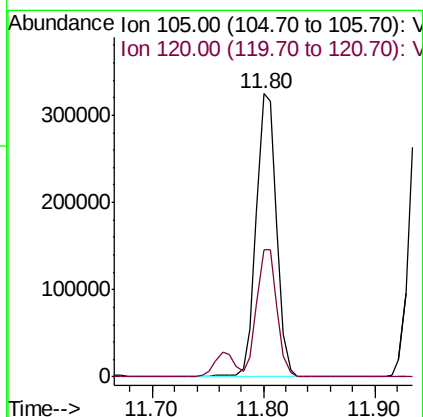
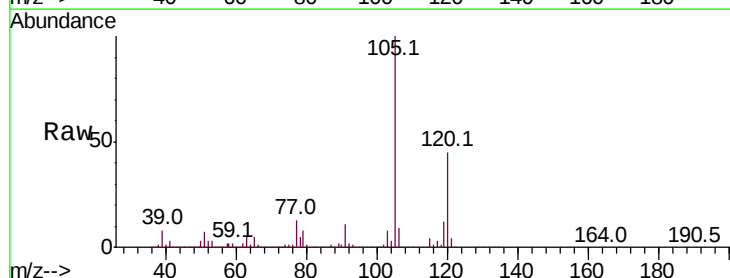
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

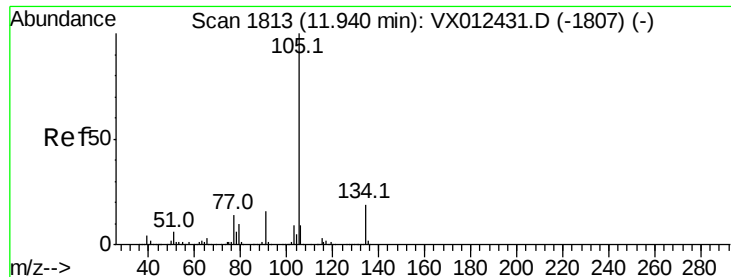
Tot Ion:119 Resp: 419525
Ion Ratio Lower Upper
119 100
91 60.1 30.0 90.0
134 22.8 11.3 33.9



#84
1,2,4-Trimethylbenzene
Concen: 48.077 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. -0.01 min
Lab File: VX012462.D
Acq: 18 Sep 2019 10:30

Tgt Ion:105 Resp: 413730
Ion Ratio Lower Upper
105 100
120 44.9 22.2 66.6





#85

sec-Butylbenzene

Concen: 49.018 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX012462.D

Acq: 18 Sep 2019 10:30

Instrument :

MSVOA_X

ClientSampleId :

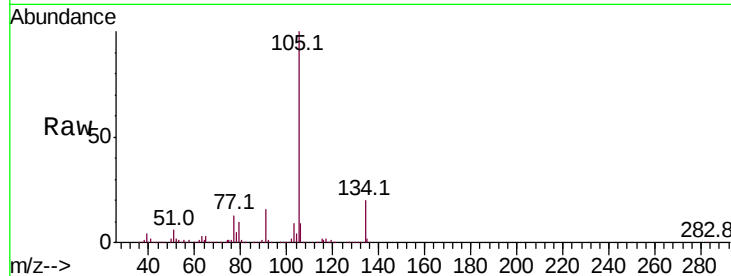
VSTDCCC050

Tot Ion:105 Resp: 485089

Ion Ratio Lower Upper

105 100

134 20.2 9.8 29.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

400000

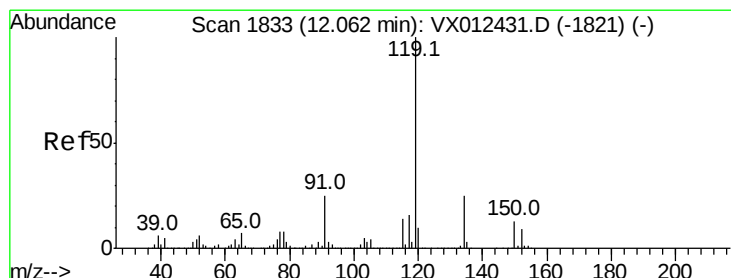
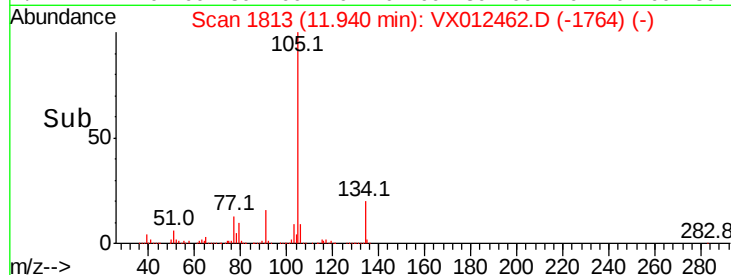
300000

200000

100000

0

Time--> 11.90 11.95 12.00



#86

p-Isopropyltoluene

Concen: 49.445 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX012462.D

Acq: 18 Sep 2019 10:30

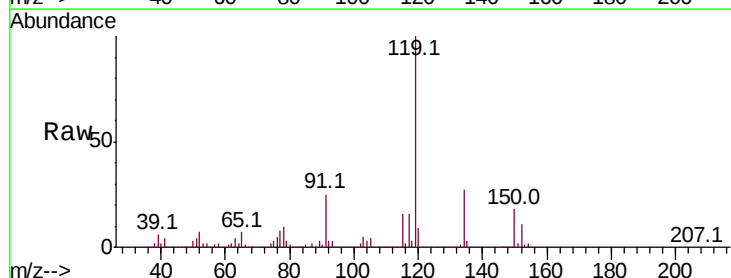
Tgt Ion:119 Resp: 449319

Ion Ratio Lower Upper

119 100

134 25.8 12.7 38.1

91 25.4 12.8 38.4



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

12.06

500000

400000

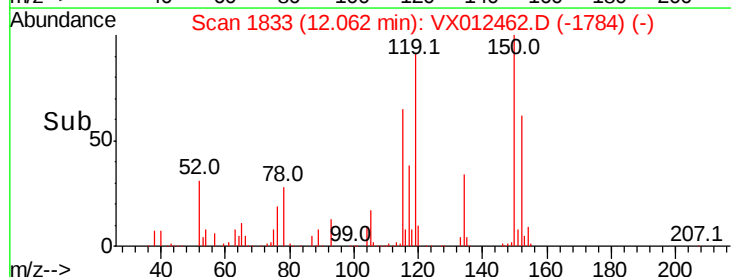
300000

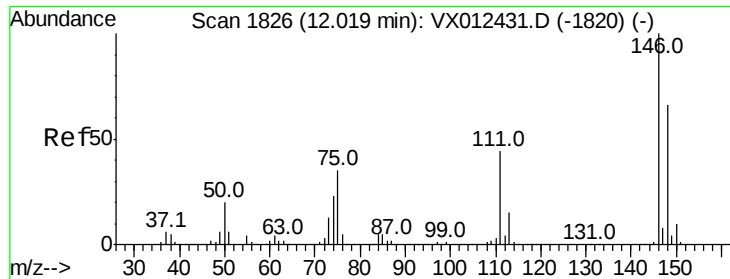
200000

100000

0

Time--> 12.00 12.10





#87

1,3-Dichlorobenzene

Concen: 49.099 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VX012462.D

Acq: 18 Sep 2019 10:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

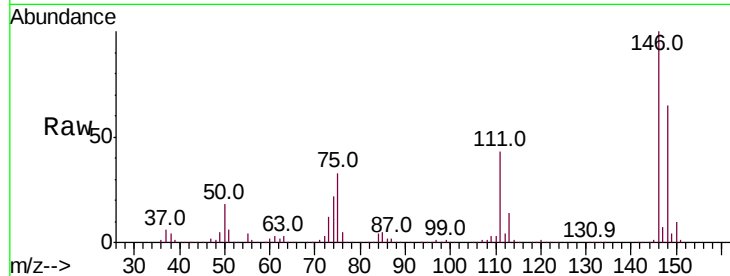
Tot Ion:146 Resp: 221361

Ion Ratio Lower Upper

146 100

111 42.5 21.3 64.0

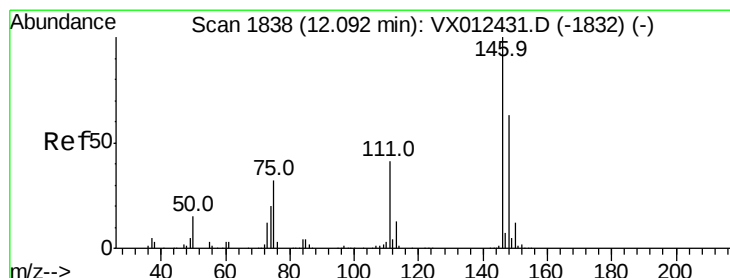
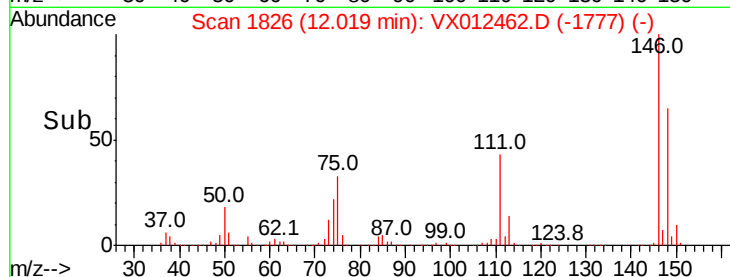
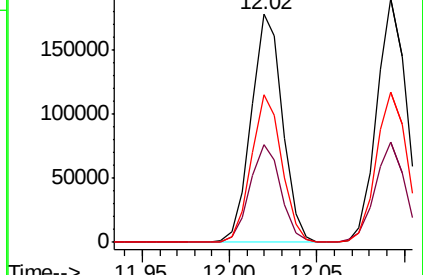
148 63.1 32.4 97.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 48.410 ug/l

RT: 12.09 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VX012462.D

Acq: 18 Sep 2019 10:30

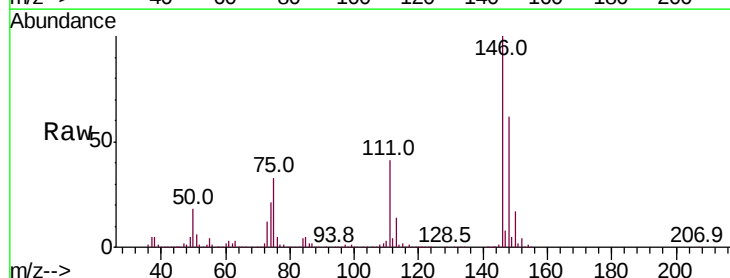
Tgt Ion:146 Resp: 224193

Ion Ratio Lower Upper

146 100

111 41.5 21.1 63.3

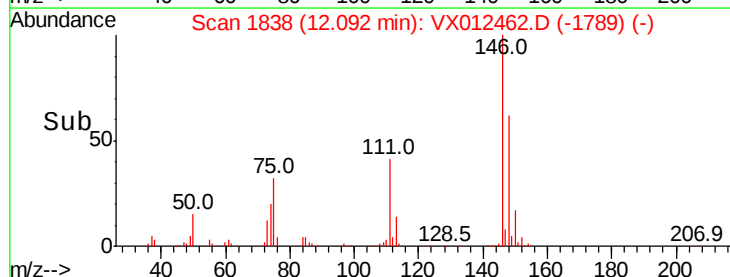
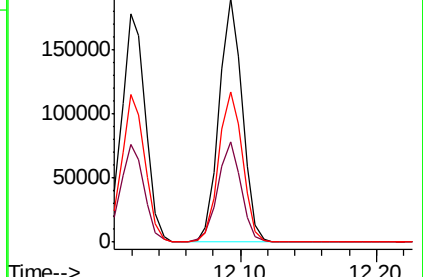
148 63.8 32.1 96.5

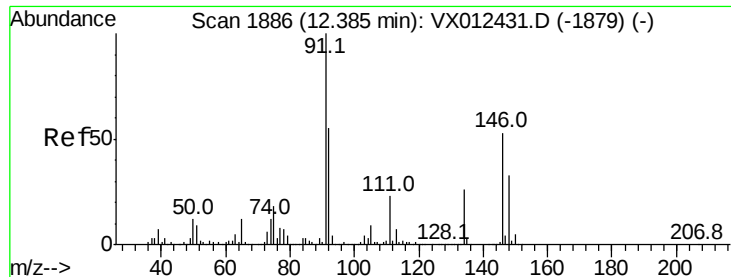


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 50.070 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX012462.D

Acq: 18 Sep 2019 10:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

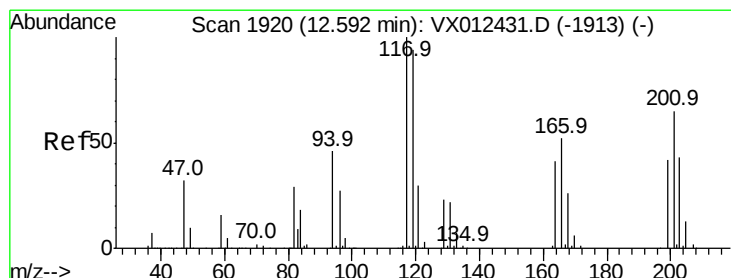
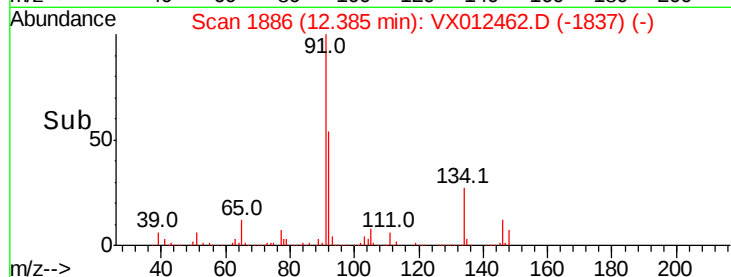
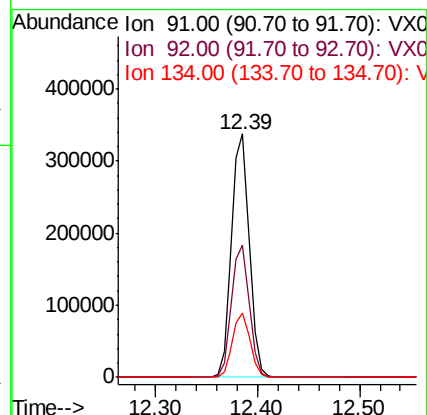
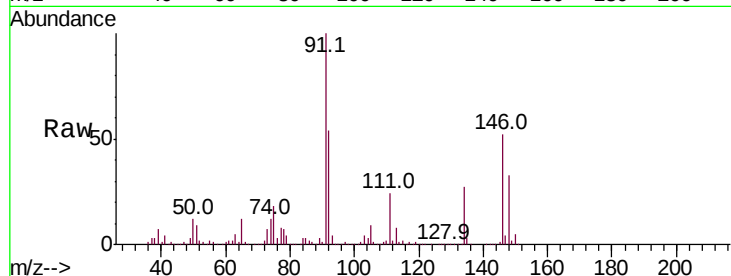
Tot Ion: 91 Resp: 405971

Ion Ratio Lower Upper

91 100

92 54.4 27.7 83.0

134 26.1 12.9 38.6



#90

Hexachloroethane

Concen: 47.762 ug/l

RT: 12.59 min Scan# 1920

Delta R.T. 0.00 min

Lab File: VX012462.D

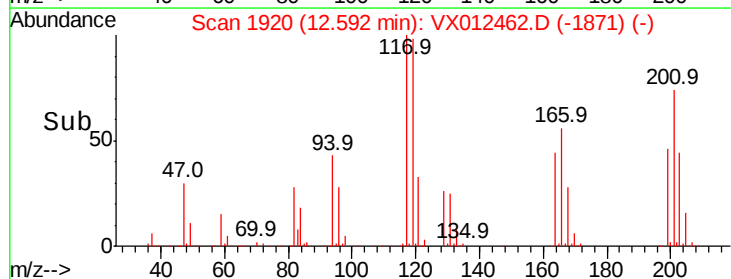
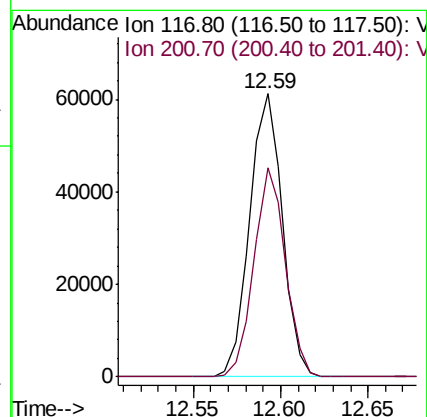
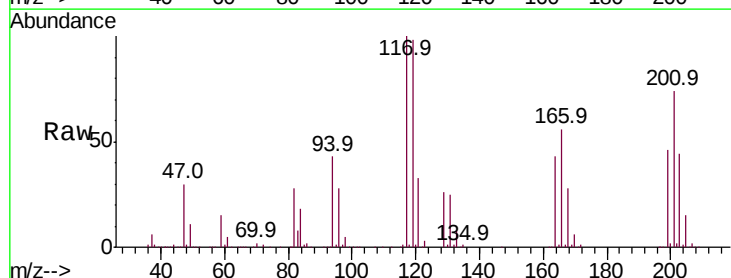
Acq: 18 Sep 2019 10:30

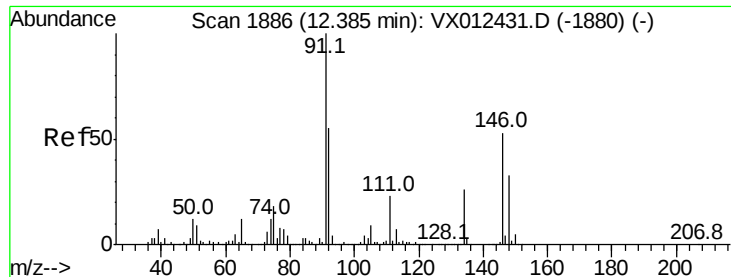
Tgt Ion: 117 Resp: 79582

Ion Ratio Lower Upper

117 100

201 71.2 33.3 99.8

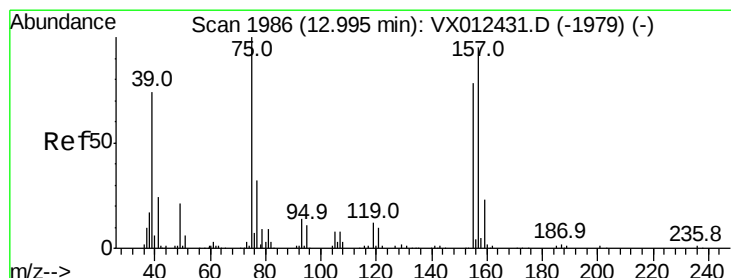
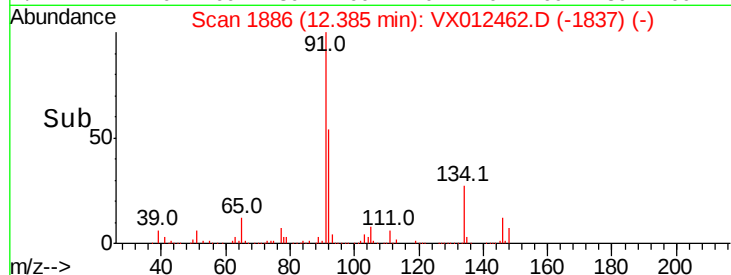
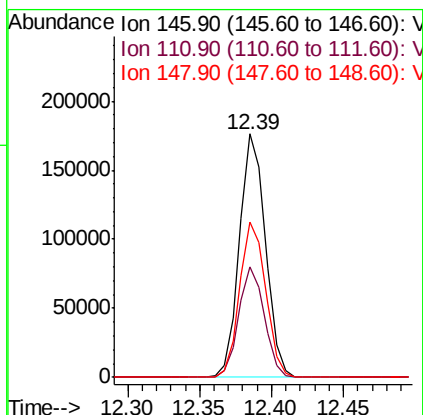
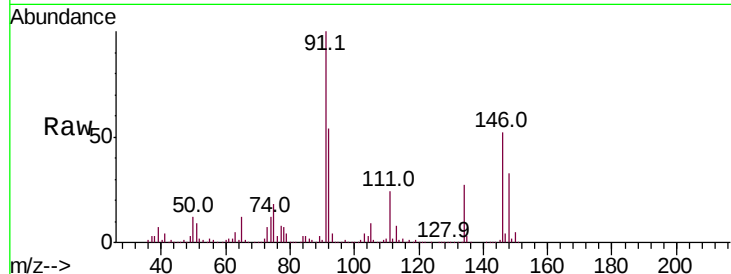




#91
 1,2-Dichlorobenzene
 Concen: 47.023 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX012462.D
 Acq: 18 Sep 2019 10:30

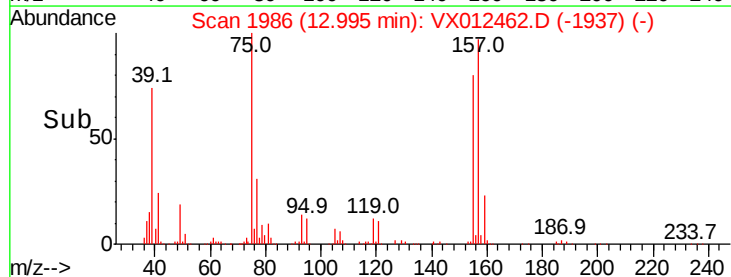
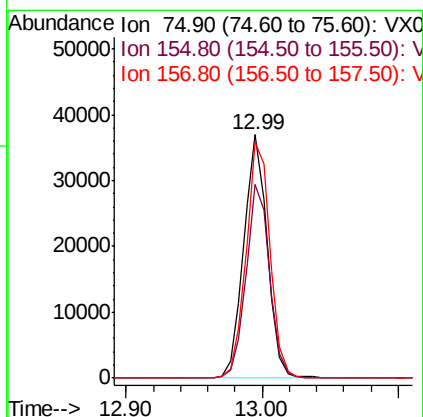
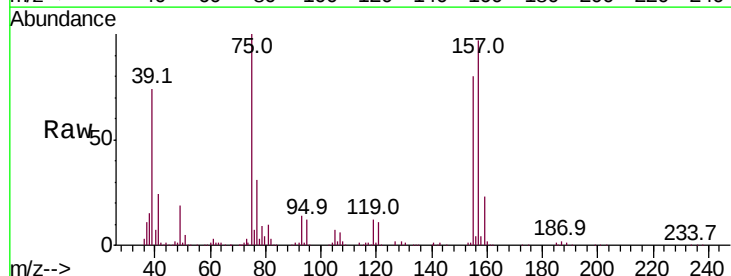
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

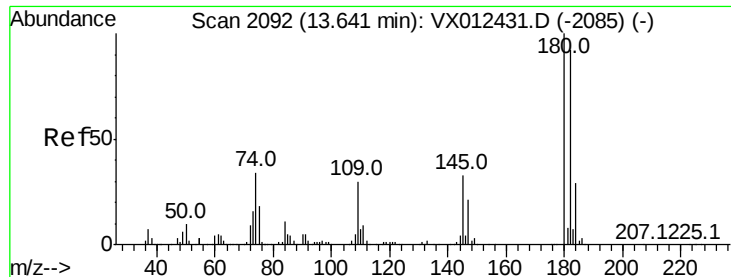
Tot Ion:146 Resp: 221578
 Ion Ratio Lower Upper
 146 100
 111 44.7 22.1 66.1
 148 63.9 31.3 93.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.482 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX012462.D
 Acq: 18 Sep 2019 10:30

Tgt Ion: 75 Resp: 44457
 Ion Ratio Lower Upper
 75 100
 155 79.9 38.6 115.8
 157 99.5 50.6 151.9

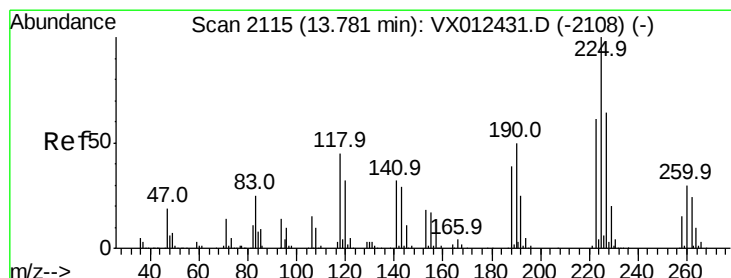
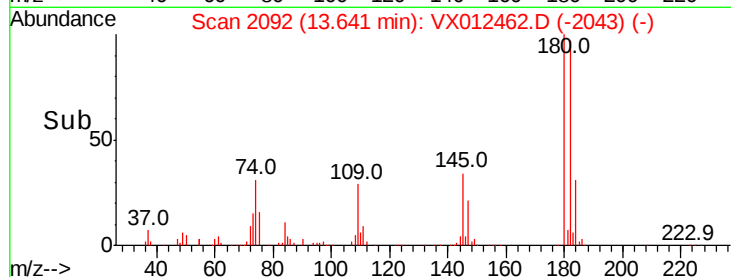
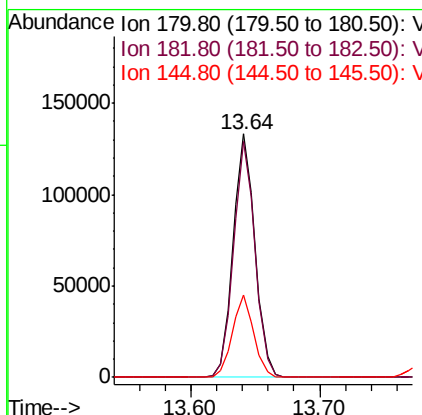
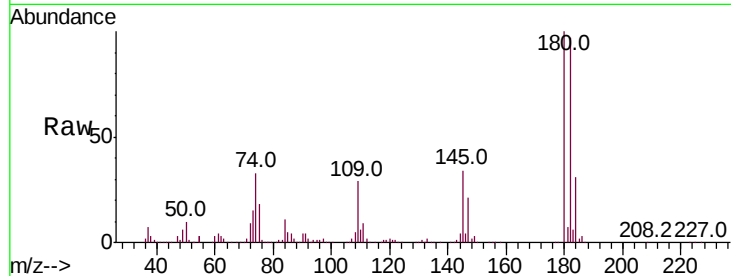




#93
 1,2,4-Trichlorobenzene
 Concen: 52.053 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX012462.D
 Acq: 18 Sep 2019 10:30

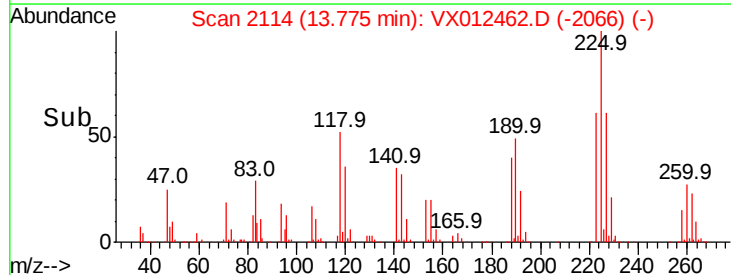
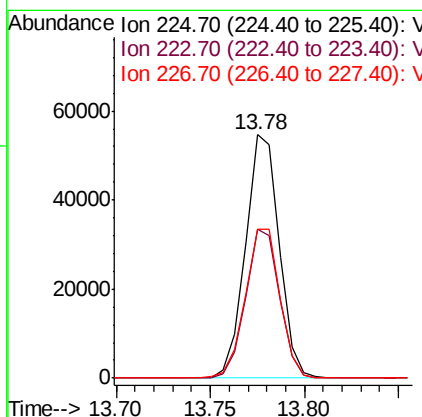
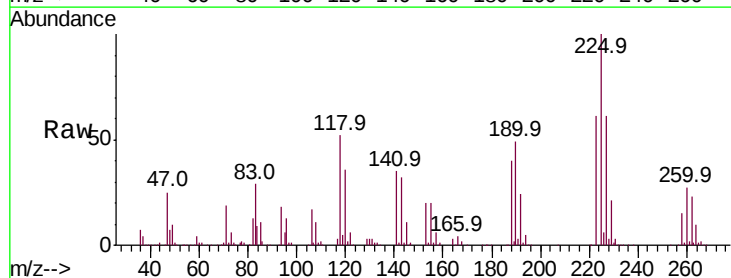
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

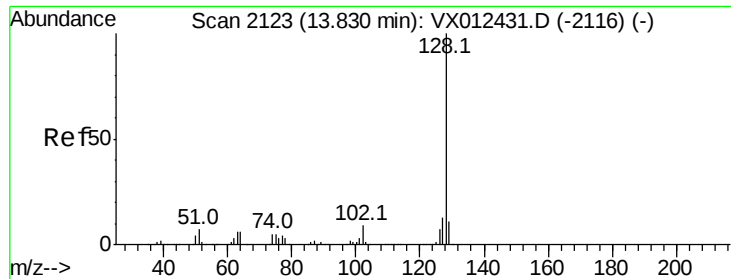
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.0	141.0
145	33.1	16.8	50.4



#94
 Hexachlorobutadiene
 Concen: 47.318 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. -0.01 min
 Lab File: VX012462.D
 Acq: 18 Sep 2019 10:30

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.5	32.0	96.2
227	63.3	31.9	95.5

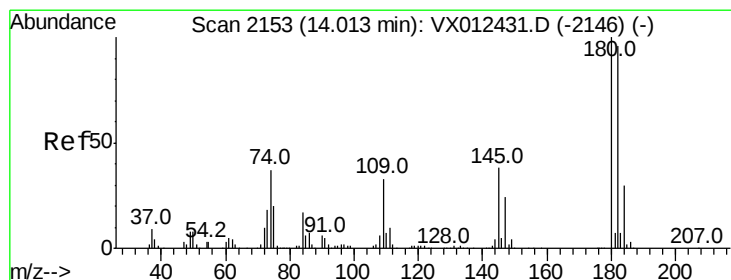
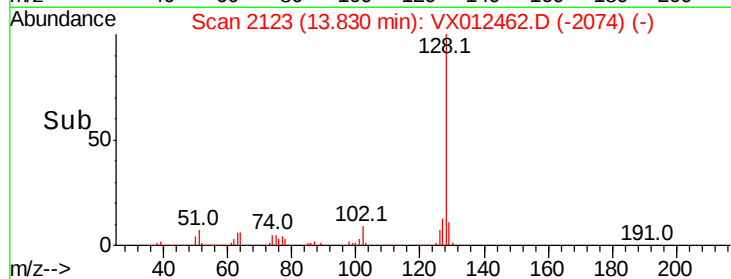
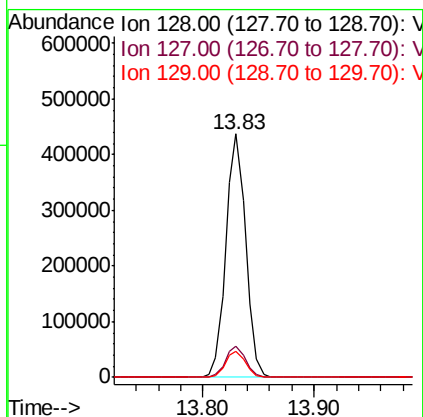
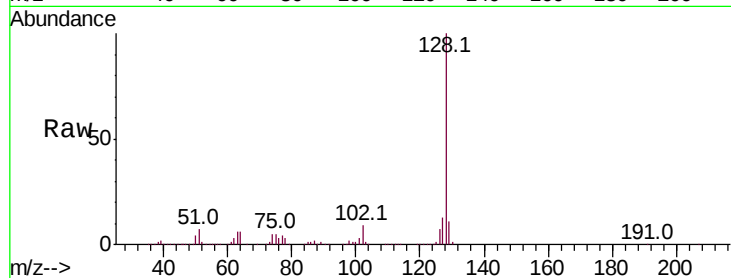




#95
Naphthalene
Concen: 49.752 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX012462.D
Acq: 18 Sep 2019 10:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 537310
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.4
129 11.1 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 51.487 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX012462.D
Acq: 18 Sep 2019 10:30

Tgt Ion:180 Resp: 159246
Ion Ratio Lower Upper
180 100
182 93.1 47.1 141.3
145 35.5 18.0 54.0

