

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX082219\
 Data File : VX011750.D
 Acq On : 22 Aug 2019 09:43
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Quant Time: Aug 23 01:23:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082219W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 01:19:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	405662	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	540293	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	493625	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	258147	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	75814	19.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.20%	
35) Dibromofluoromethane	5.49	113	64912	18.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.26%	
50) Toluene-d8	8.71	98	237772	20.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.40%	
62) 4-Bromofluorobenzene	11.13	95	86584	18.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.48%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.19	85	81541	20.650 ug/l	99
3) Chloromethane	1.32	50	67199	16.589 ug/l	98
4) Vinyl Chloride	1.40	62	63794	17.438 ug/l	100
5) Bromomethane	1.64	94	36774	21.673 ug/l	98
6) Chloroethane	1.72	64	38050	20.883 ug/l	97
7) Trichlorofluoromethane	1.93	101	102457	19.661 ug/l	99
8) Diethyl Ether	2.18	74	35033	19.775 ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.38	101	63162	17.803 ug/l	97
10) Methyl Iodide	2.50	142	78898	16.044 ug/l	98
11) Tert butyl alcohol	3.03	59	80258	88.992 ug/l	98
12) 1,1-Dichloroethene	2.37	96	60912	17.825 ug/l	94
13) Acrolein	2.29	56	25119	81.541 ug/l	98
14) Allyl chloride	2.72	41	99012	17.461 ug/l	99
15) Acrylonitrile	3.13	53	183262	88.341 ug/l	97
16) Acetone	2.43	43	187624	99.702 ug/l	99
17) Carbon Disulfide	2.56	76	153091	18.718 ug/l	100
18) Methyl Acetate	2.76	43	100668	17.587 ug/l	100
19) Methyl tert-butyl Ether	3.18	73	202846	18.261 ug/l	97
20) Methylene Chloride	2.85	84	68561	17.383 ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	66194	18.152 ug/l	93
22) Diisopropyl ether	3.85	45	194691	17.428 ug/l	95
23) Vinyl Acetate	3.81	43	794425	89.123 ug/l	100
24) 1,1-Dichloroethane	3.69	63	111653	17.485 ug/l	99
25) 2-Butanone	4.67	43	257973	89.137 ug/l	99
26) 2,2-Dichloropropane	4.58	77	88519	18.141 ug/l	# 74
27) cis-1,2-Dichloroethene	4.59	96	74144	17.573 ug/l	99
28) Bromochloromethane	5.01	49	53803	19.101 ug/l	98
29) Tetrahydrofuran	5.12	42	164568	86.552 ug/l	99
30) Chloroform	5.21	83	118634	17.590 ug/l	97
31) Cyclohexane	5.57	56	101607	18.461 ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	105704	18.142 ug/l	99
36) 1,1-Dichloropropene	5.79	75	86876	19.111 ug/l	97
37) Ethyl Acetate	4.82	43	92662	17.822 ug/l	100
38) Carbon Tetrachloride	5.78	117	93711	18.651 ug/l	100

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	104849	18.503	ug/l	97
40) Benzene	6.13	78	251467	17.833	ug/l	99
41) Methacrylonitrile	5.03	41	51349	18.048	ug/l	97
42) 1,2-Dichloroethane	6.18	62	92519	18.767	ug/l	100
43) Isopropyl Acetate	6.44	43	143059	17.583	ug/l	99
44) Trichloroethene	7.21	130	79027	18.718	ug/l	97
45) 1,2-Dichloropropane	7.51	63	64471	18.323	ug/l	96
46) Dibromomethane	7.66	93	46666	18.096	ug/l	98
47) Bromodichloromethane	7.89	83	84918	17.995	ug/l	100
48) Methyl methacrylate	7.77	41	73647	18.296	ug/l	99
49) 1,4-Dioxane	7.73	88	39413	367.016	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	494759	93.328	ug/l	100
52) Toluene	8.78	92	172106	19.029	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	90293	18.447	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	101391	18.970	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	72001	18.773	ug/l	99
56) Ethyl methacrylate	9.18	69	102150	18.347	ug/l	99
57) 1,3-Dichloropropane	9.37	76	112703	18.617	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	268633	95.799	ug/l	100
59) 2-Hexanone	9.49	43	380137	92.853	ug/l	99
60) Dibromochloromethane	9.58	129	74286	18.632	ug/l	97
61) 1,2-Dibromoethane	9.67	107	76881	18.752	ug/l	100
64) Tetrachloroethene	9.34	164	80648	19.767	ug/l	95
65) Chlorobenzene	10.13	112	188066	18.147	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	70140	18.048	ug/l	99
67) Ethyl Benzene	10.25	91	315240	18.058	ug/l	97
68) m/p-Xylenes	10.35	106	246917	36.822	ug/l	98
69) o-Xylene	10.69	106	117932	17.940	ug/l	100
70) Styrene	10.71	104	197591	17.949	ug/l	99
71) Bromoform	10.85	173	57966	17.574	ug/l #	98
73) Isopropylbenzene	11.02	105	326001	19.690	ug/l	100
74) N-amyl acetate	10.90	43	125541	18.075	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	104741	18.594	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	115546	24.017	ug/l	87
77) Bromobenzene	11.26	156	93922	19.173	ug/l	99
78) n-propylbenzene	11.36	91	350619	19.643	ug/l	99
79) 2-Chlorotoluene	11.42	91	209056	19.096	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	270200	19.426	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	27213	16.785	ug/l	87
82) 4-Chlorotoluene	11.51	91	244271	19.213	ug/l	99
83) tert-Butylbenzene	11.77	119	264397	18.732	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	277842	19.924	ug/l	98
85) sec-Butylbenzene	11.94	105	301987	19.036	ug/l	100
86) p-Isopropyltoluene	12.06	119	292350	19.483	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	159056	18.806	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	157143	18.340	ug/l	99
89) n-Butylbenzene	12.38	91	242670	19.644	ug/l	99
90) Hexachloroethane	12.59	117	43861	18.490	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	162952	19.213	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	23354	17.964	ug/l	98

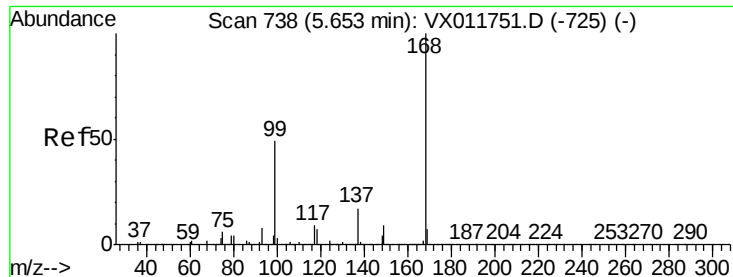
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QLast Update : Fri Aug 23 01:19:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	114530	18.123	ug/l	99
94) Hexachlorobutadiene	13.78	225	59921	17.625	ug/l	99
95) Naphthalene	13.83	128	339012	19.151	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	121521	19.108	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.00 min

Lab File: VX011750.D

Acq: 22 Aug 2019 09:43

Instrument :

MSVOA_X

ClientSampleId :

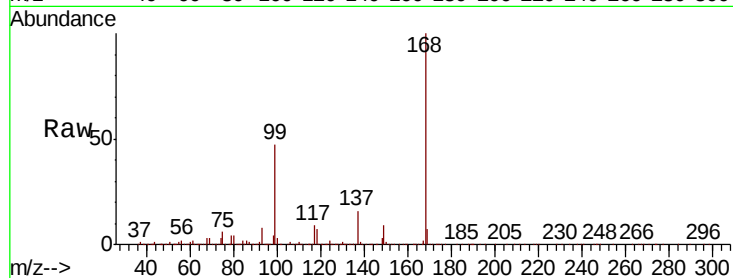
VSTDIC020

Tgt Ion: 168 Resp: 405662

Ion Ratio Lower Upper

168 100

99 47.0 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): VX011750.D

Ion 98.90 (98.60 to 99.60): VX011750.D

5.65

150000

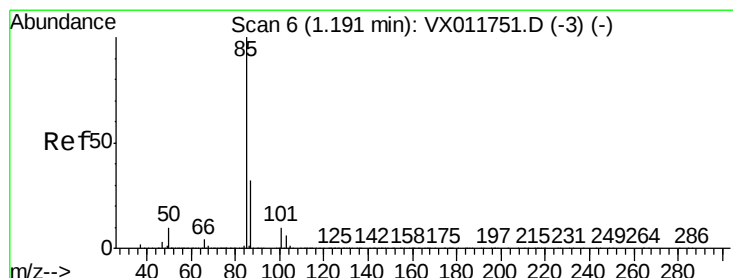
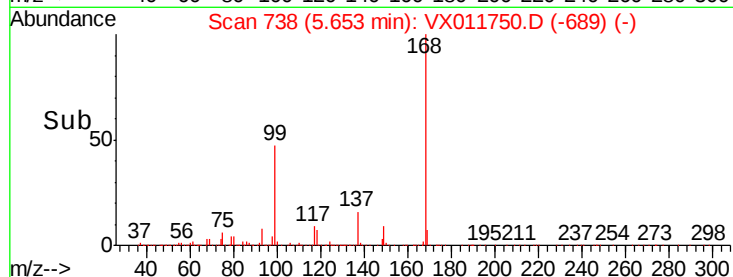
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 20.650 ug/l

RT: 1.19 min Scan# 6

Delta R.T. -0.00 min

Lab File: VX011750.D

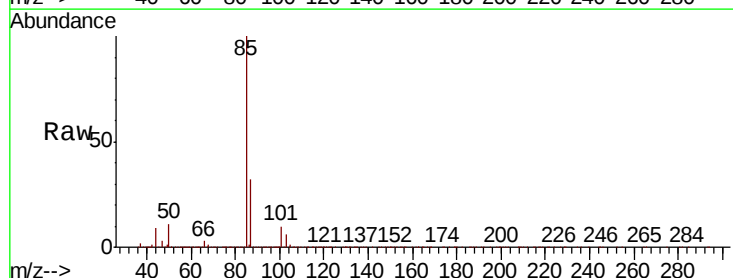
Acq: 22 Aug 2019 09:43

Tgt Ion: 85 Resp: 81541

Ion Ratio Lower Upper

85 100

87 31.7 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX011750.D

Ion 86.90 (86.60 to 87.60): VX011750.D

1.19

100000

80000

60000

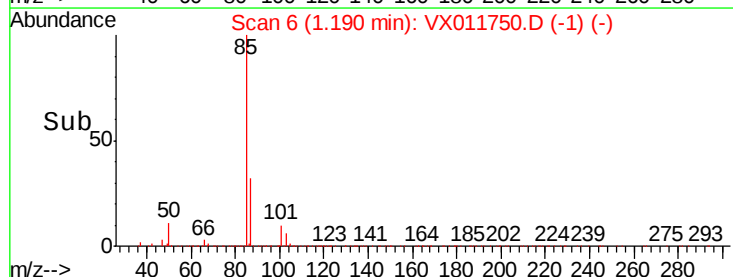
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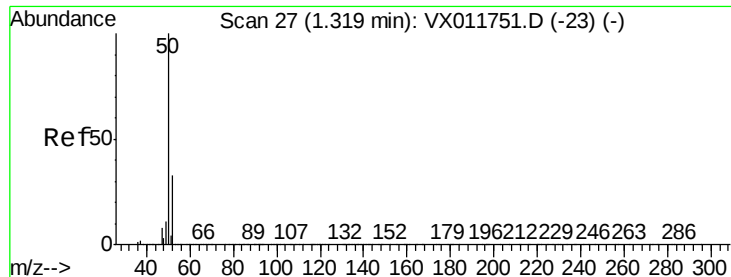
20000

0

Time-->

1.15 1.20 1.25 1.30 1.35





#3

Chloromethane

Concen: 16.589 ug/l

RT: 1.32 min Scan# 27

Delta R.T. -0.00 min

Lab File: VX011750.D

Acq: 22 Aug 2019 09:43

Instrument :

MSVOA_X

ClientSampleId :

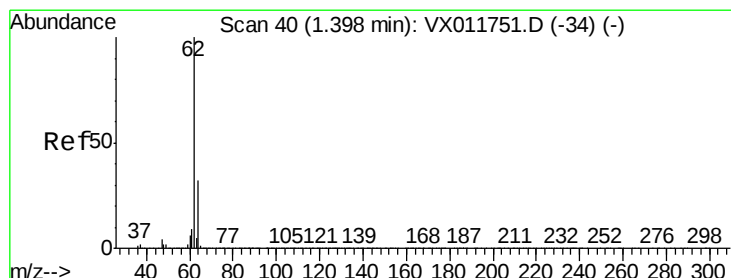
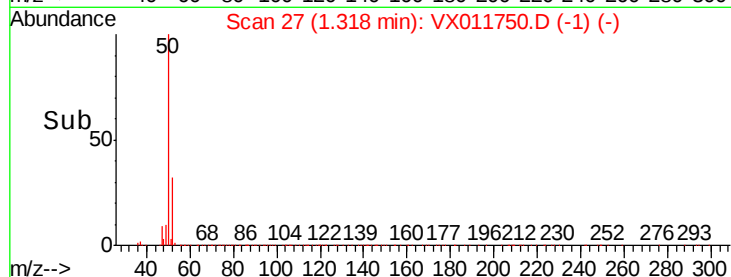
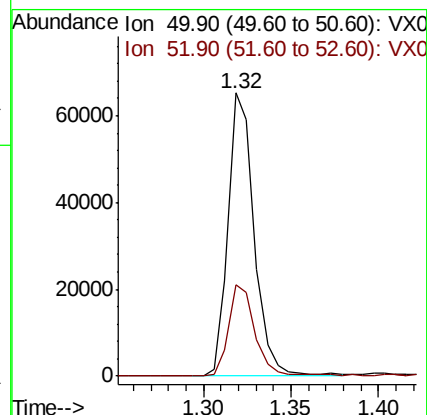
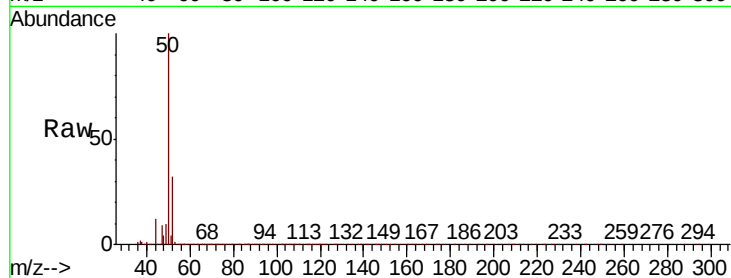
VSTDIC020

Tgt Ion: 50 Resp: 67199

Ion Ratio Lower Upper

50 100

52 32.2 26.6 39.8



#4

Vinyl Chloride

Concen: 17.438 ug/l

RT: 1.40 min Scan# 40

Delta R.T. -0.00 min

Lab File: VX011750.D

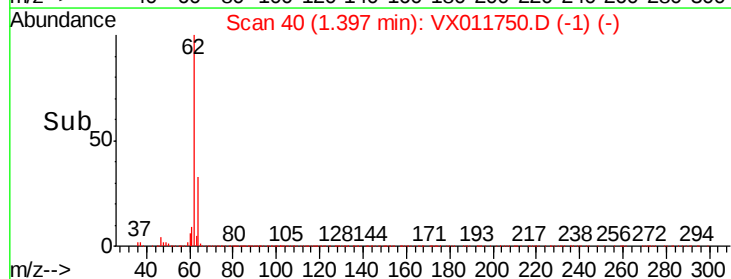
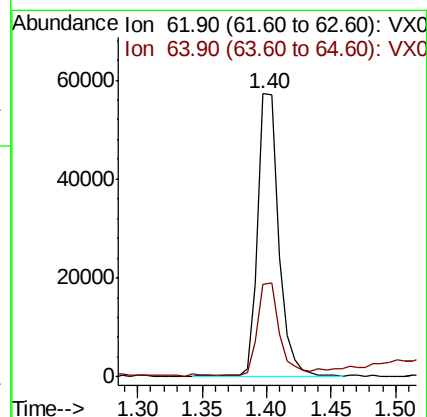
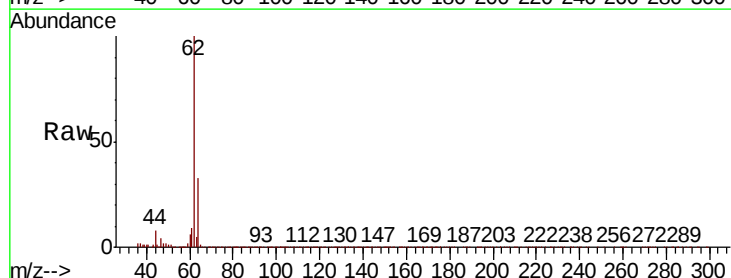
Acq: 22 Aug 2019 09:43

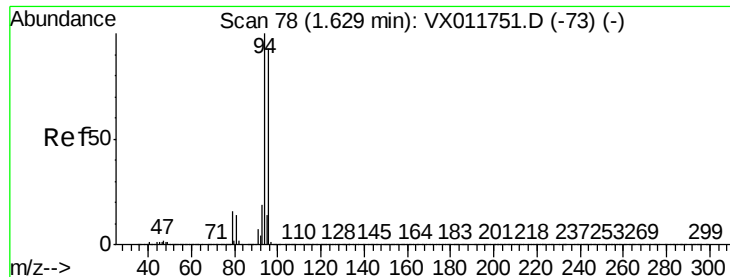
Tgt Ion: 62 Resp: 63794

Ion Ratio Lower Upper

62 100

64 31.9 25.5 38.3





#5

Bromomethane

Concen: 21.673 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.01 min

Lab File: VX011750.D

Acq: 22 Aug 2019 09:43

Instrument :

MSVOA_X

ClientSampleId :

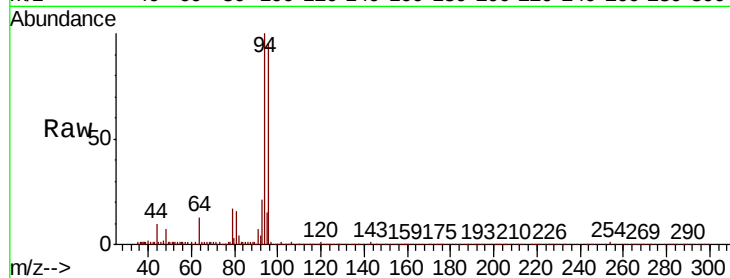
VSTDIC020

Tgt Ion: 94 Resp: 36774

Ion Ratio Lower Upper

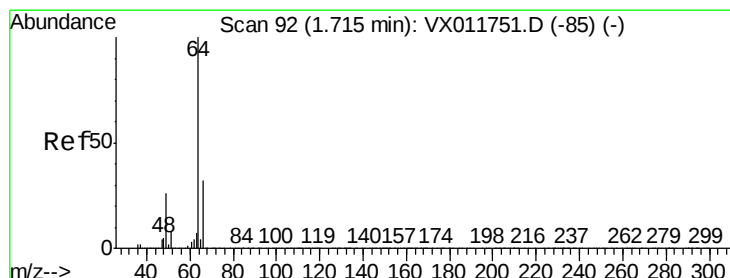
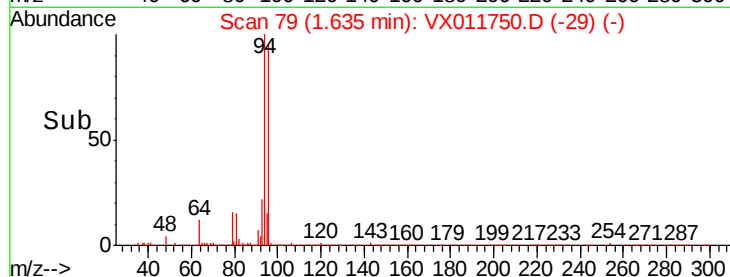
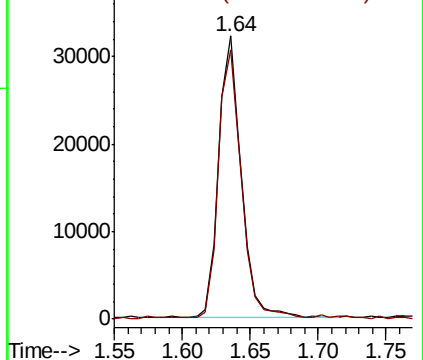
94 100

96 95.0 74.1 111.1



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 20.883 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX011750.D

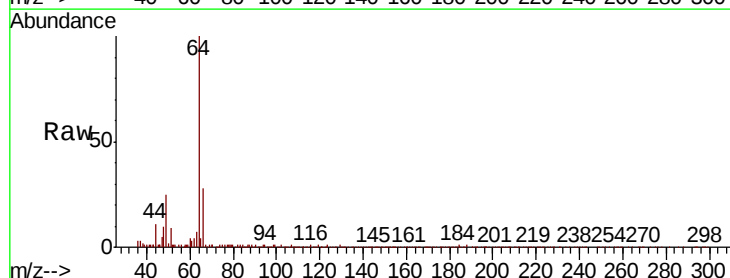
Acq: 22 Aug 2019 09:43

Tgt Ion: 64 Resp: 38050

Ion Ratio Lower Upper

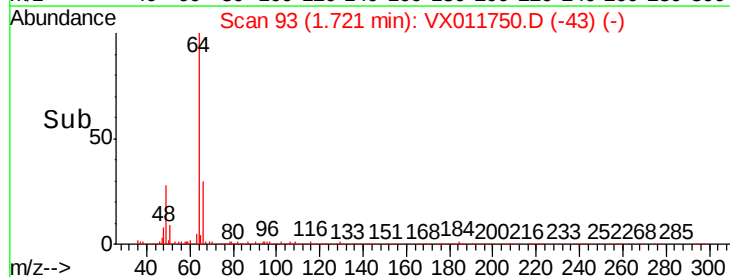
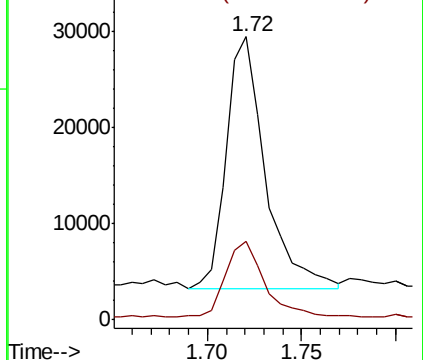
64 100

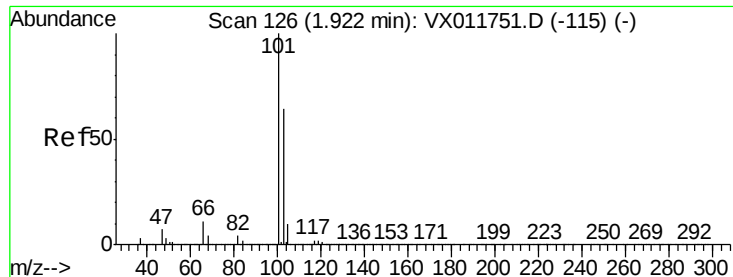
66 29.2 24.9 37.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



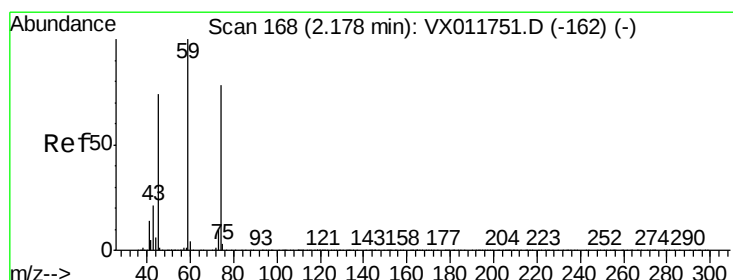
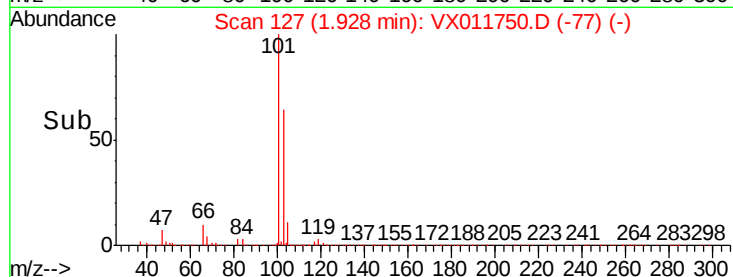
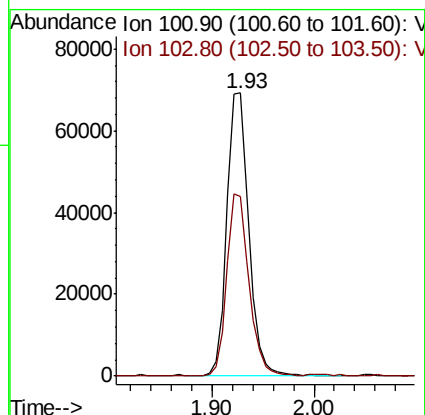
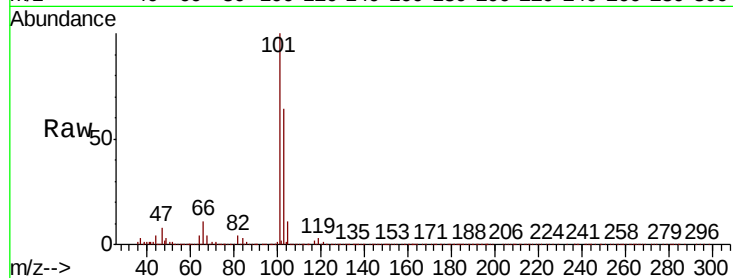


#7

Trichlorofluoromethane
Concen: 19.661 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX011750.D
Acq: 22 Aug 2019 09:43

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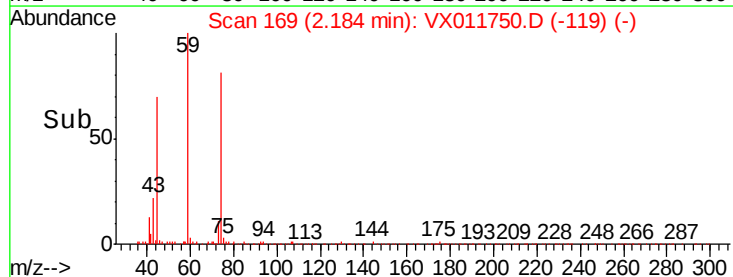
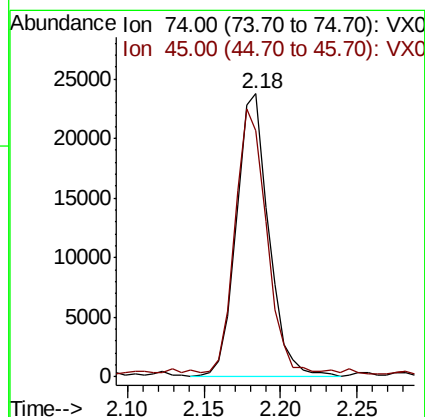
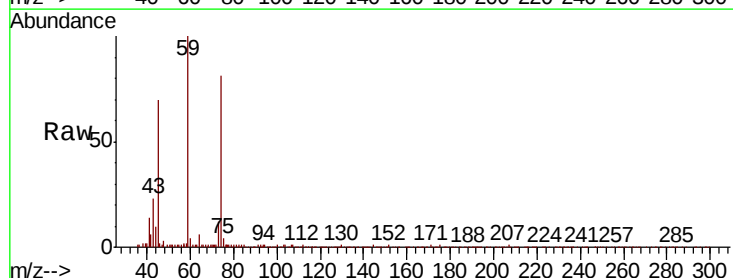
Tgt Ion:101 Resp: 102457
Ion Ratio Lower Upper
101 100
103 63.6 51.2 76.8

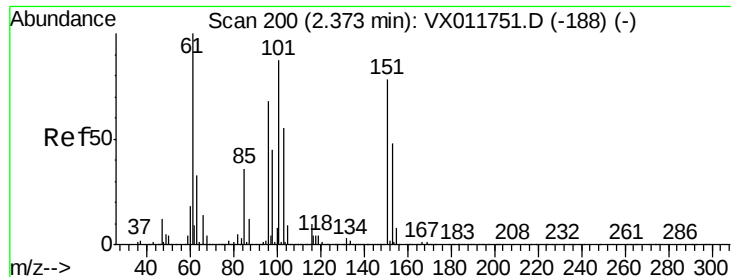


#8

Diethyl Ether
Concen: 19.775 ug/l
RT: 2.18 min Scan# 169
Delta R.T. 0.01 min
Lab File: VX011750.D
Acq: 22 Aug 2019 09:43

Tgt Ion: 74 Resp: 35033
Ion Ratio Lower Upper
74 100
45 89.1 46.7 140.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.803 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.01 min

Lab File: VX011750.D

Acq: 22 Aug 2019 09:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

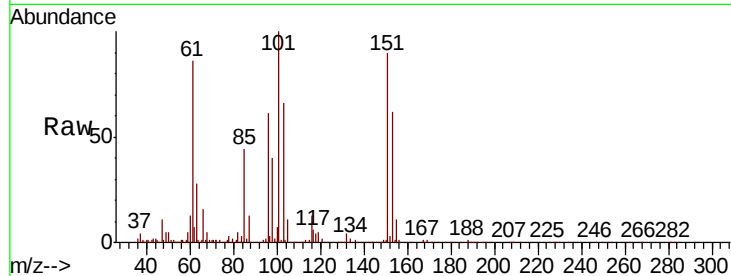
Tgt Ion:101 Resp: 63162

Ion Ratio Lower Upper

101 100

85 43.5 33.7 50.5

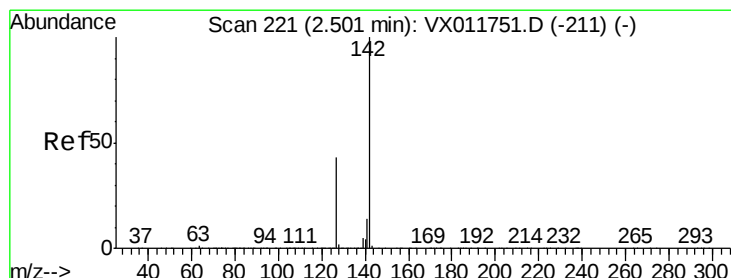
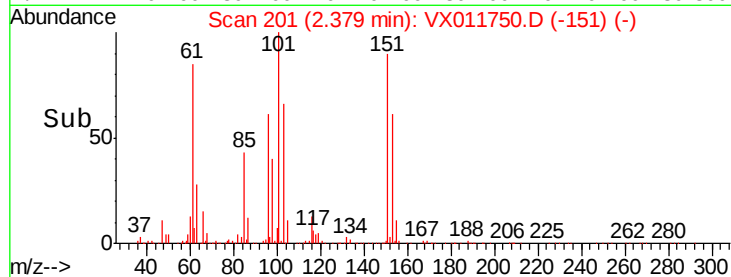
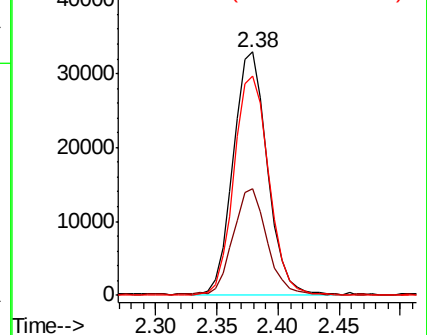
151 92.9 71.4 107.2



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: 16.044 ug/l

RT: 2.50 min Scan# 221

Delta R.T. -0.00 min

Lab File: VX011750.D

Acq: 22 Aug 2019 09:43

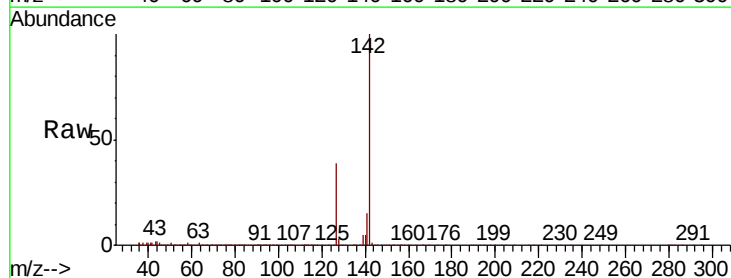
Tgt Ion:142 Resp: 78898

Ion Ratio Lower Upper

142 100

127 40.4 33.5 50.3

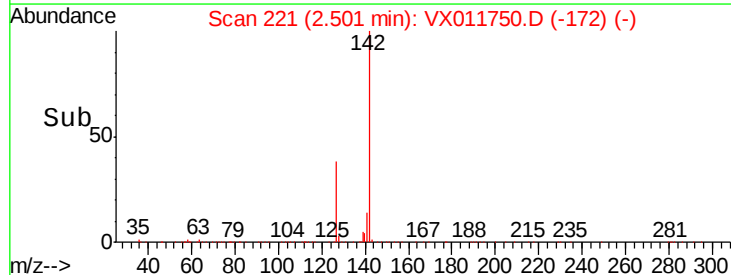
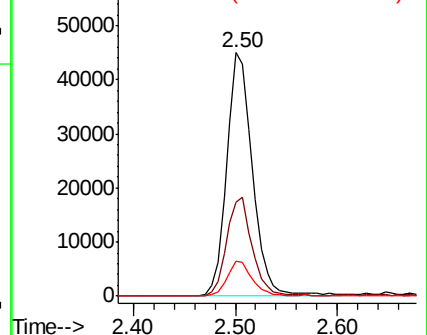
141 13.8 11.4 17.2

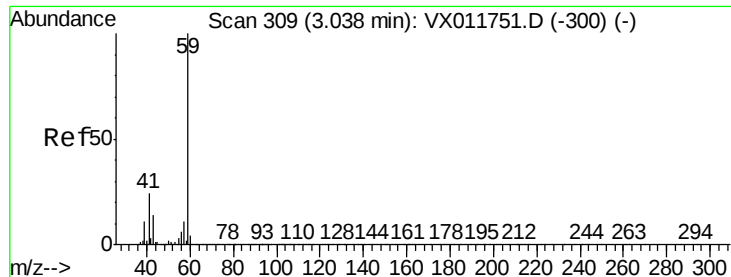


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



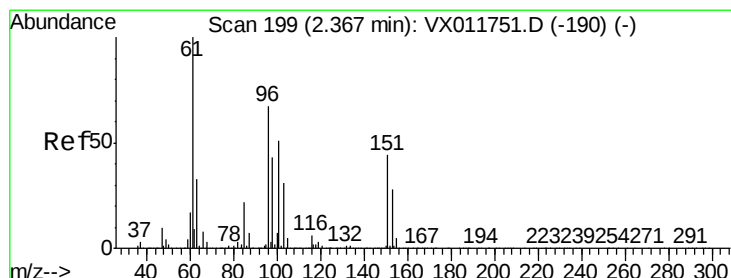
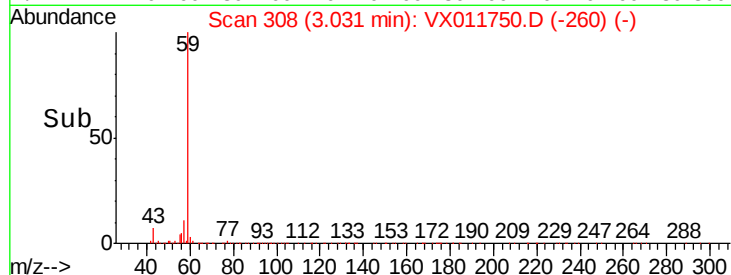
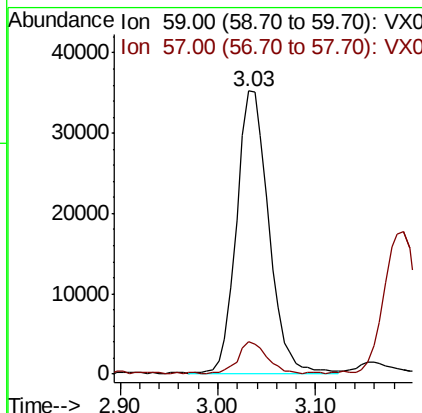
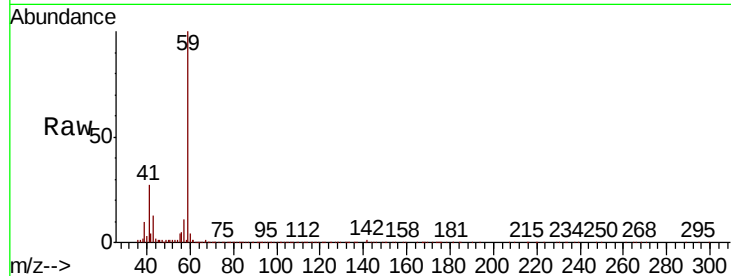


#11

Tert butyl alcohol
Concen: 88.992 ug/l
RT: 3.03 min Scan# 308
Delta R.T. -0.01 min
Lab File: VX011750.D
Acq: 22 Aug 2019 09:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

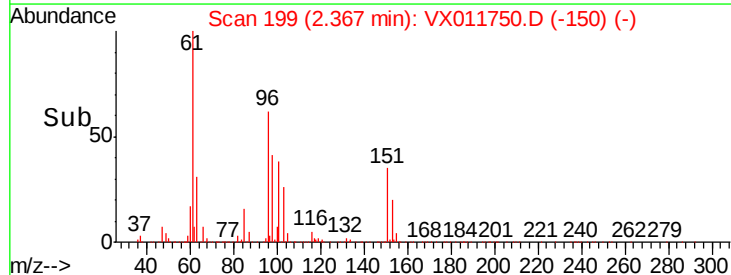
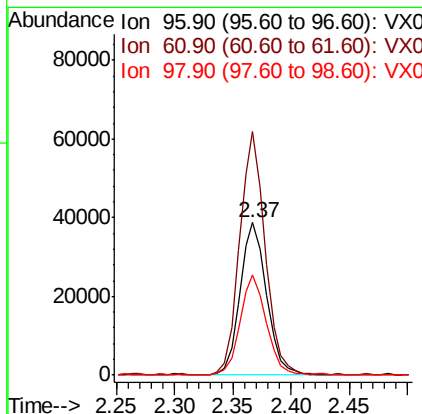
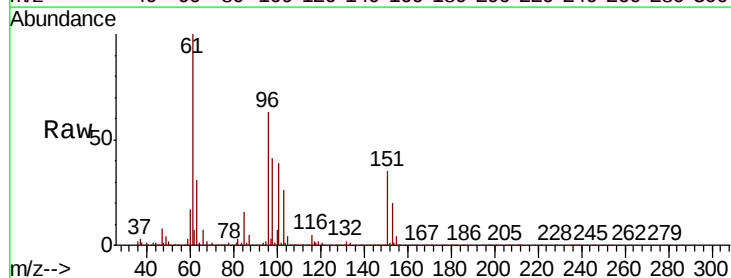
Tgt Ion: 59 Resp: 80258
Ion Ratio Lower Upper
59 100
57 9.8 8.4 12.6

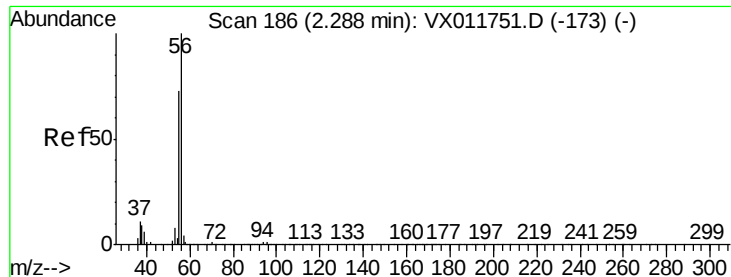


#12

1,1-Dichloroethene
Concen: 17.825 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.00 min
Lab File: VX011750.D
Acq: 22 Aug 2019 09:43

Tgt Ion: 96 Resp: 60912
Ion Ratio Lower Upper
96 100
61 159.4 119.4 179.2
98 65.7 51.2 76.8





#13

Acrolein

Concen: 81.541 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.00 min

Lab File: VX011750.D

Acq: 22 Aug 2019 09:43

Instrument :

MSVOA_X

ClientSampleId :

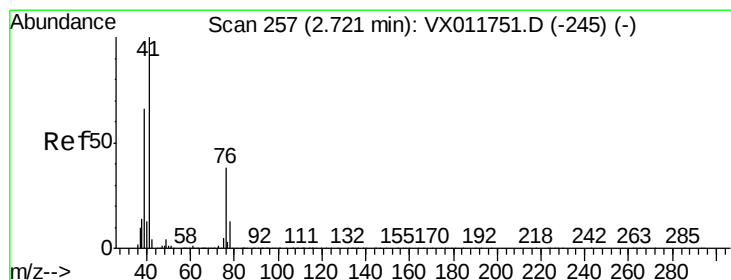
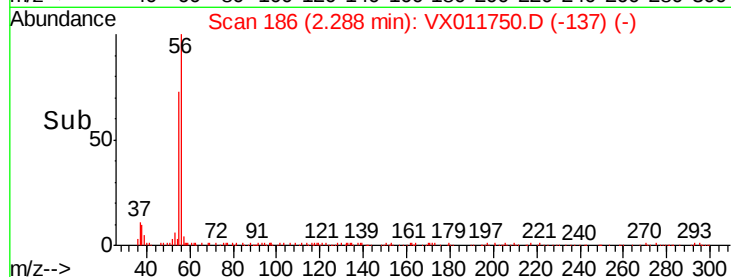
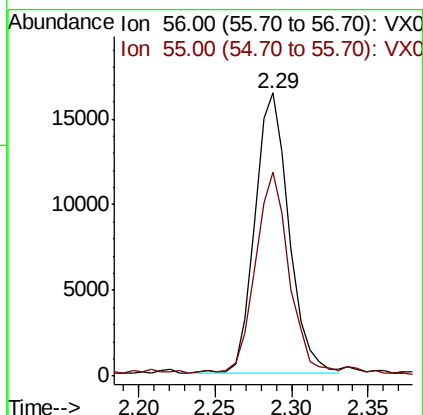
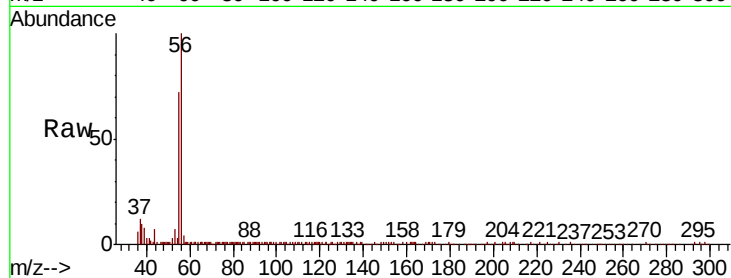
VSTDIC020

Tgt Ion: 56 Resp: 25119

Ion Ratio Lower Upper

56 100

55 70.5 54.8 82.2



#14

Allyl chloride

Concen: 17.461 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.00 min

Lab File: VX011750.D

Acq: 22 Aug 2019 09:43

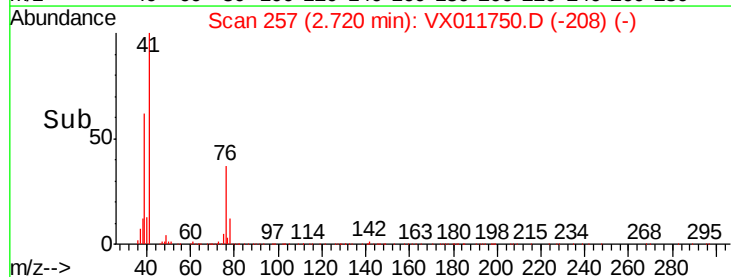
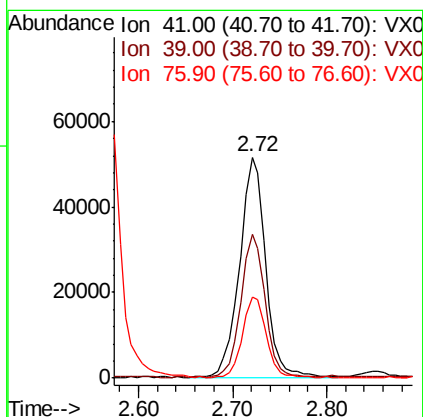
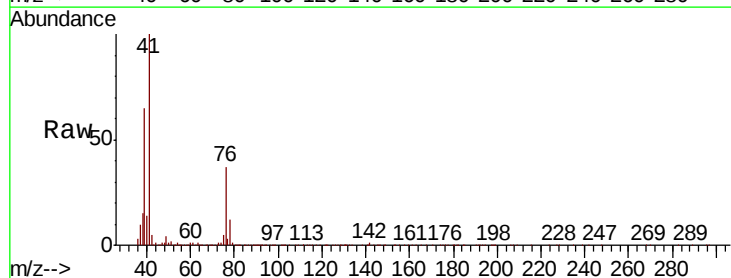
Tgt Ion: 41 Resp: 99012

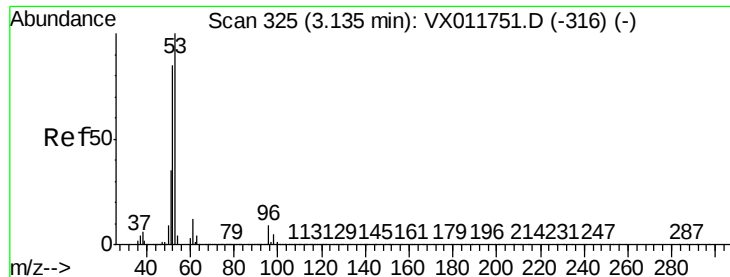
Ion Ratio Lower Upper

41 100

39 60.0 49.3 73.9

76 33.4 26.8 40.2





#15

Acrylonitrile

Concen: 88.341 ug/l

RT: 3.13 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX011750.D

Acq: 22 Aug 2019 09:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

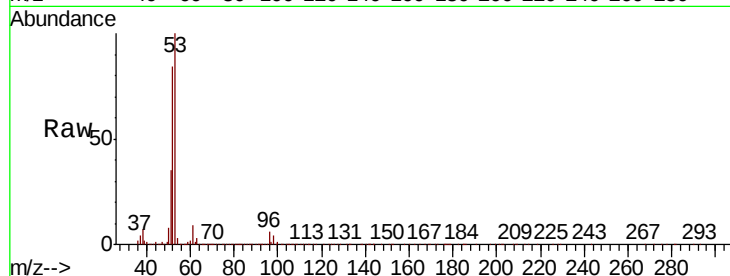
Tgt Ion: 53 Resp: 183262

Ion Ratio Lower Upper

53 100

52 84.9 65.7 98.5

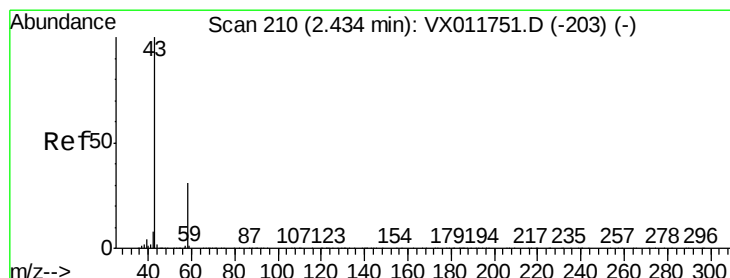
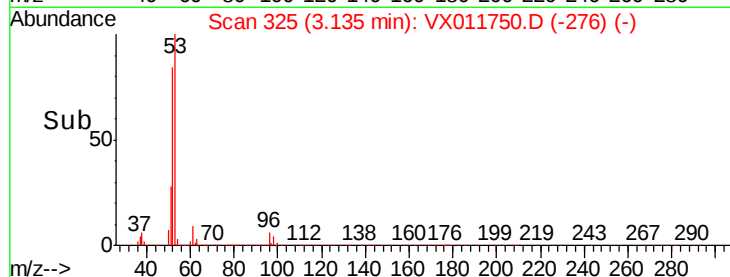
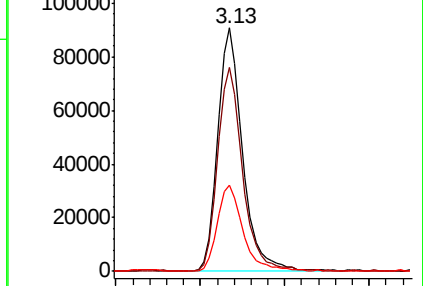
51 36.9 28.6 43.0



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: 99.702 ug/l

RT: 2.43 min Scan# 210

Delta R.T. -0.00 min

Lab File: VX011750.D

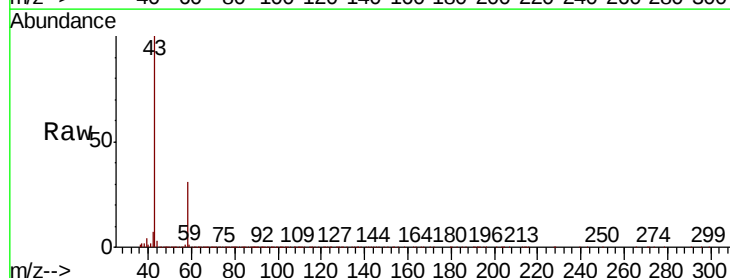
Acq: 22 Aug 2019 09:43

Tgt Ion: 43 Resp: 187624

Ion Ratio Lower Upper

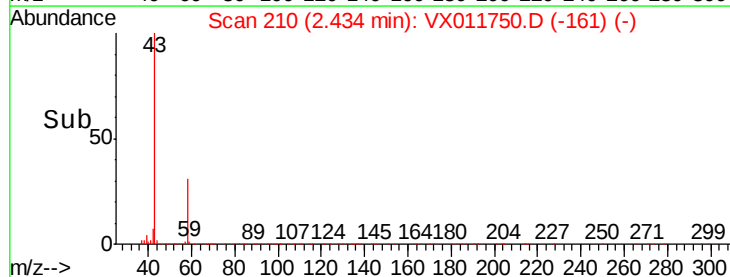
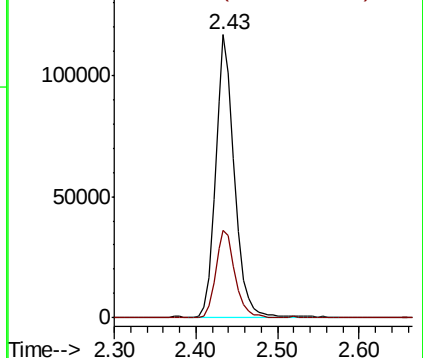
43 100

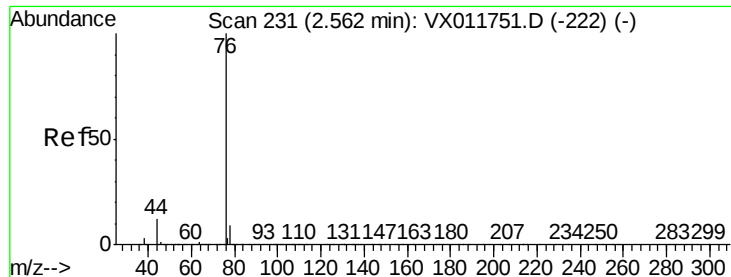
58 30.9 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 18.718 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.00 min

Lab File: VX011750.D

Acq: 22 Aug 2019 09:43

Instrument :

MSVOA_X

ClientSampleId :

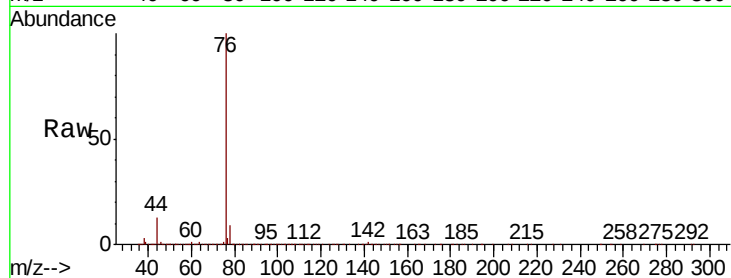
VSTDIC020

Tgt Ion: 76 Resp: 153091

Ion Ratio Lower Upper

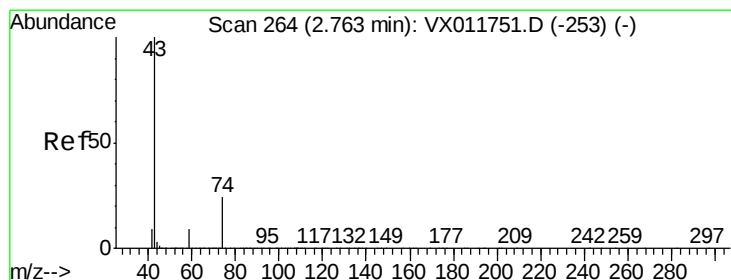
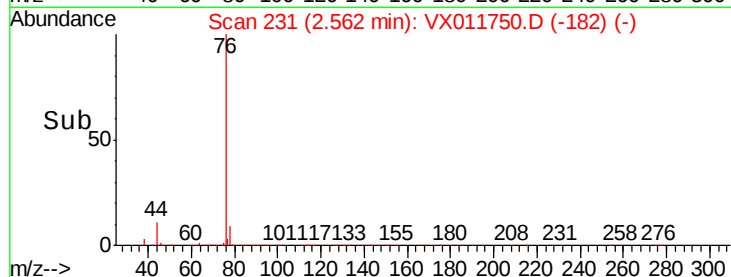
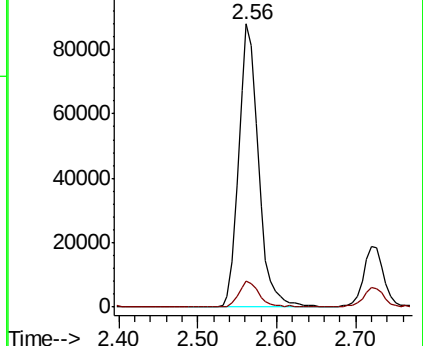
76 100

78 9.2 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 17.587 ug/l

RT: 2.76 min Scan# 264

Delta R.T. -0.00 min

Lab File: VX011750.D

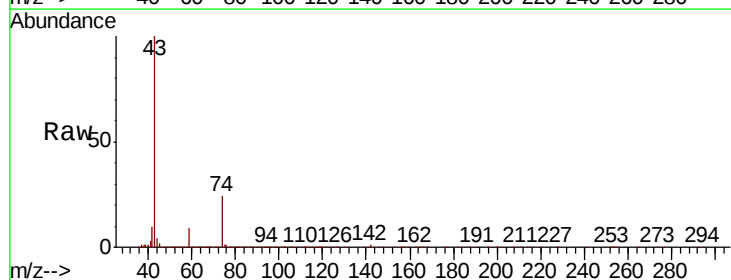
Acq: 22 Aug 2019 09:43

Tgt Ion: 43 Resp: 100668

Ion Ratio Lower Upper

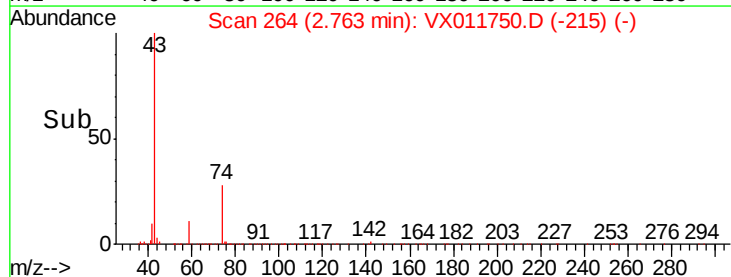
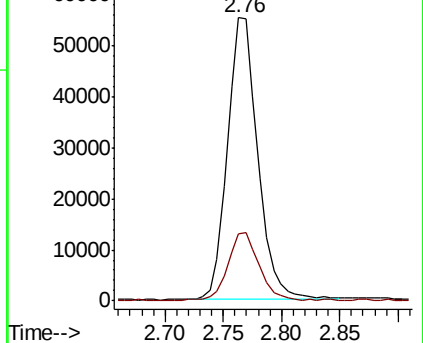
43 100

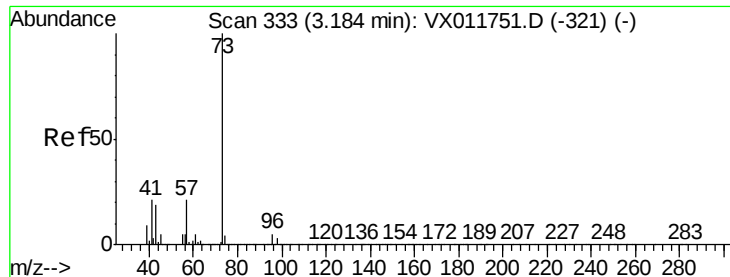
74 24.4 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

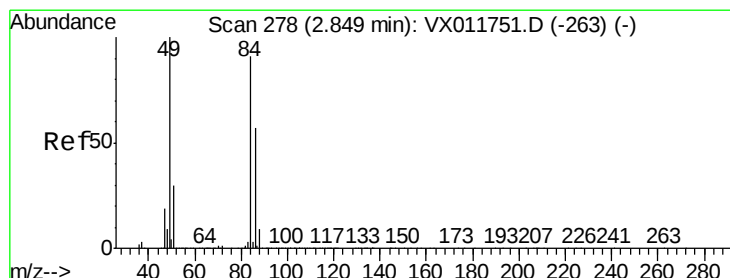
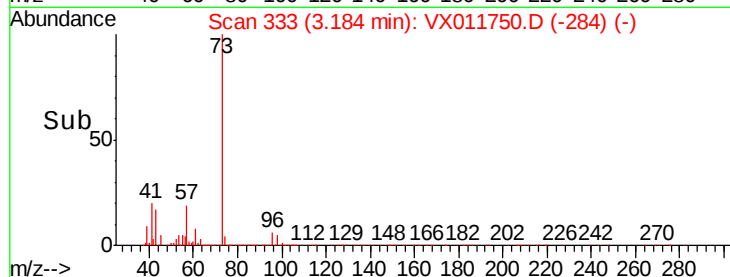
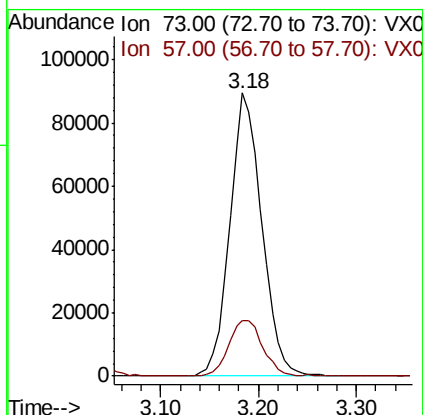
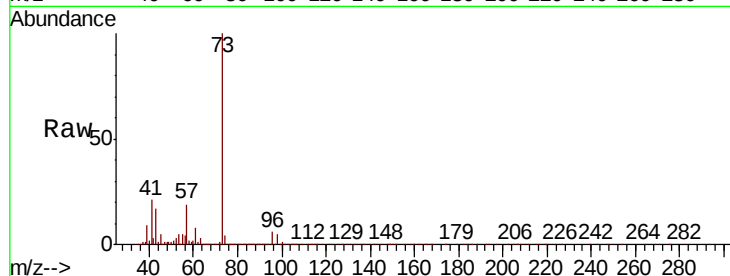




#19
Methyl tert-butyl Ether
Concen: 18.261 ug/l
RT: 3.18 min Scan# 333
Delta R.T. -0.00 min
Lab File: VX011750.D
Acq: 22 Aug 2019 09:43

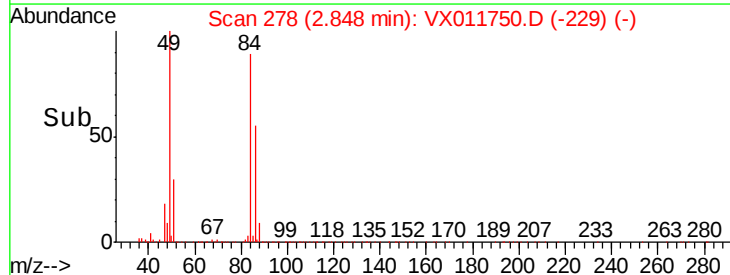
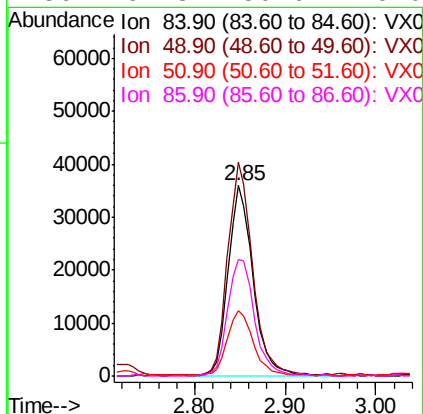
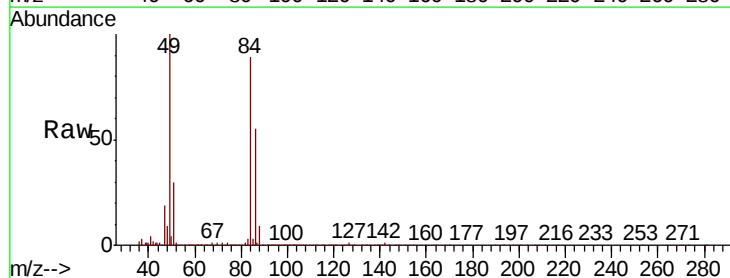
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

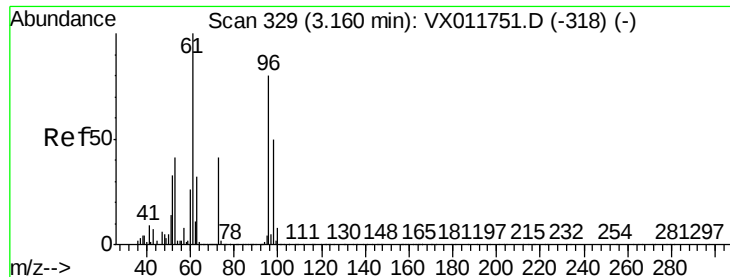
Tgt Ion: 73 Resp: 202846
Ion Ratio Lower Upper
73 100
57 19.2 16.4 24.6



#20
Methylene Chloride
Concen: 17.383 ug/l
RT: 2.85 min Scan# 278
Delta R.T. -0.00 min
Lab File: VX011750.D
Acq: 22 Aug 2019 09:43

Tgt Ion: 84 Resp: 68561
Ion Ratio Lower Upper
84 100
49 111.7 88.3 132.5
51 34.1 26.2 39.2
86 61.3 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 18.152 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX011750.D

Acq: 22 Aug 2019 09:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

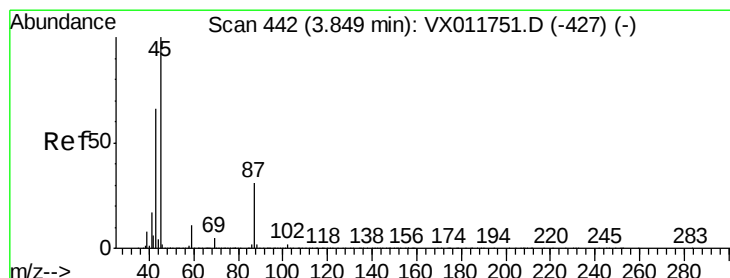
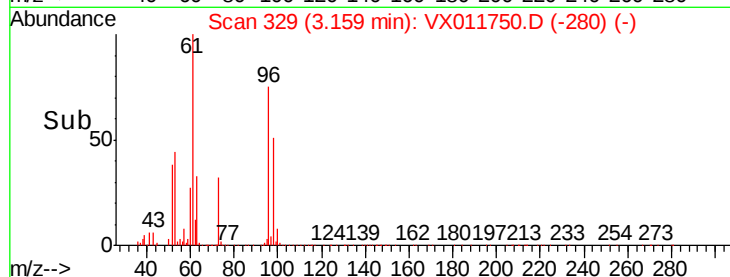
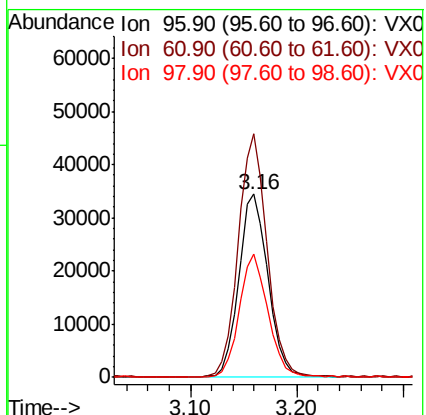
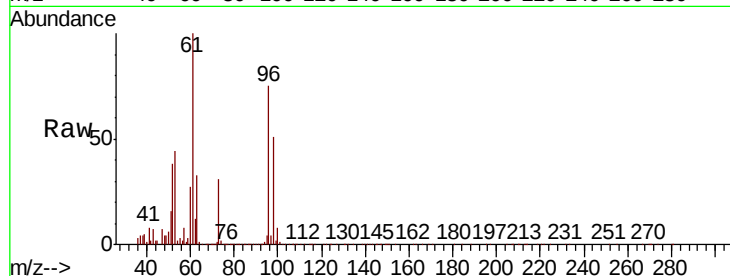
Tgt Ion: 96 Resp: 66194

Ion Ratio Lower Upper

96 100

61 132.8 99.8 149.8

98 67.3 50.3 75.5



#22

Diisopropyl ether

Concen: 17.428 ug/l

RT: 3.85 min Scan# 442

Delta R.T. -0.00 min

Lab File: VX011750.D

Acq: 22 Aug 2019 09:43

Tgt Ion: 45 Resp: 194691

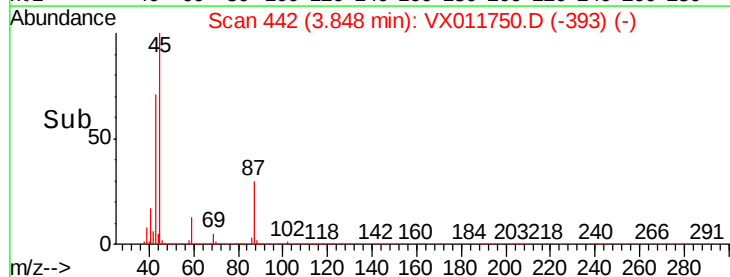
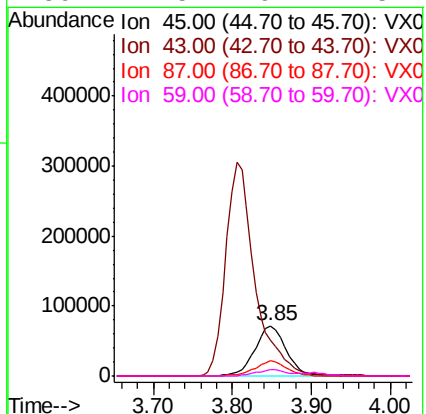
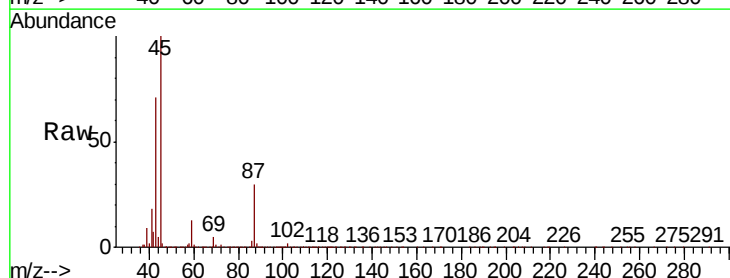
Ion Ratio Lower Upper

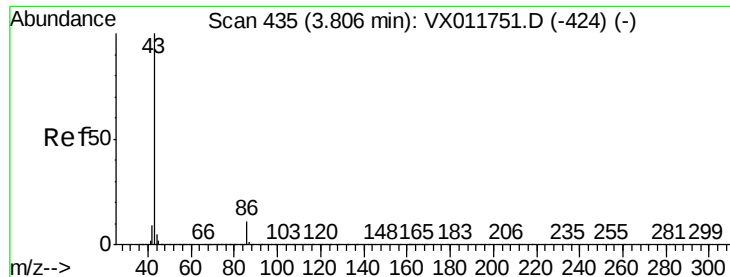
45 100

43 71.2 53.0 79.6

87 29.8 24.7 37.1

59 12.5 9.1 13.7





#23

Vinyl Acetate

Concen: 89.123 ug/l

RT: 3.81 min Scan# 435

Delta R.T. -0.00 min

Lab File: VX011750.D

Acq: 22 Aug 2019 09:43

Instrument :

MSVOA_X

ClientSampleId :

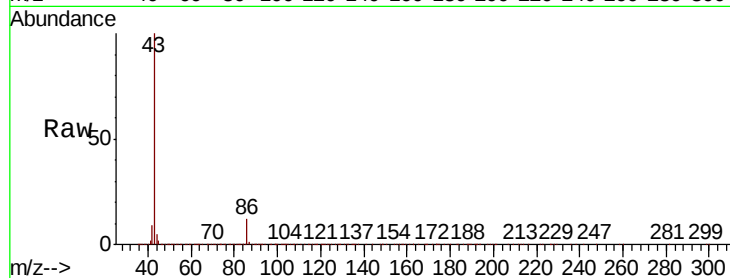
VSTDIC020

Tgt Ion: 43 Resp: 794425

Ion Ratio Lower Upper

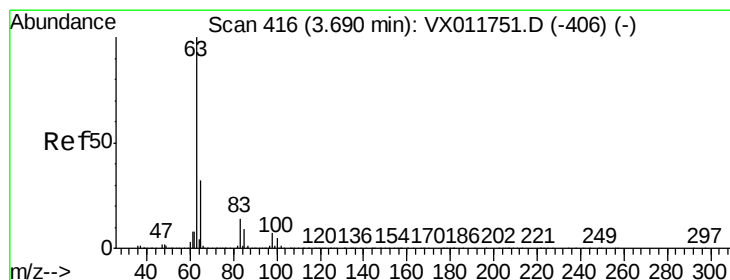
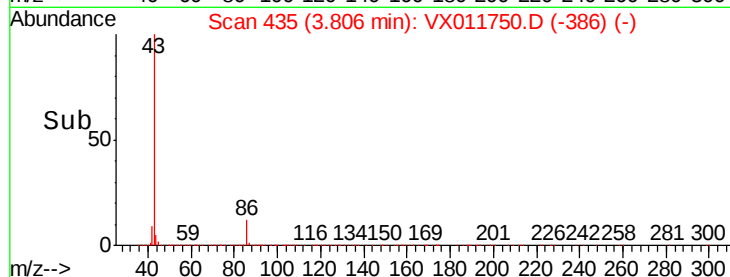
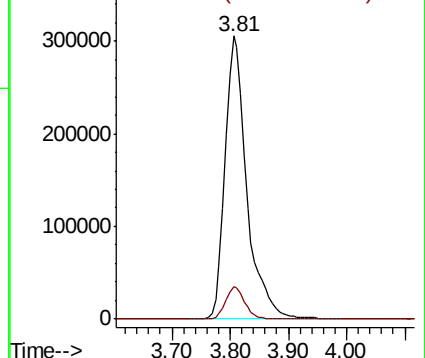
43 100

86 11.5 9.2 13.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 17.485 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.00 min

Lab File: VX011750.D

Acq: 22 Aug 2019 09:43

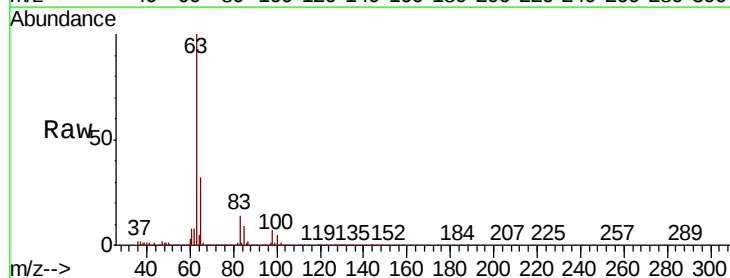
Tgt Ion: 63 Resp: 111653

Ion Ratio Lower Upper

63 100

98 6.9 3.7 11.1

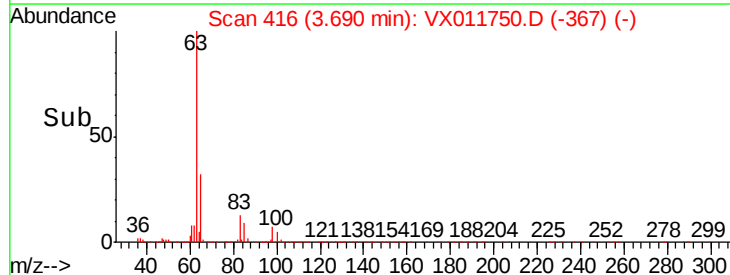
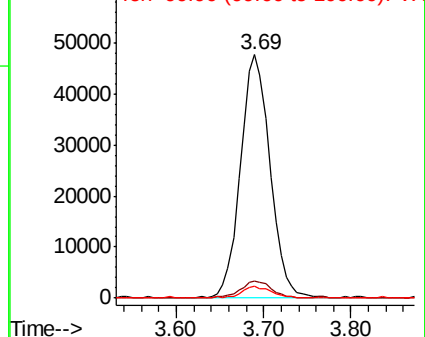
100 4.9 2.3 6.9

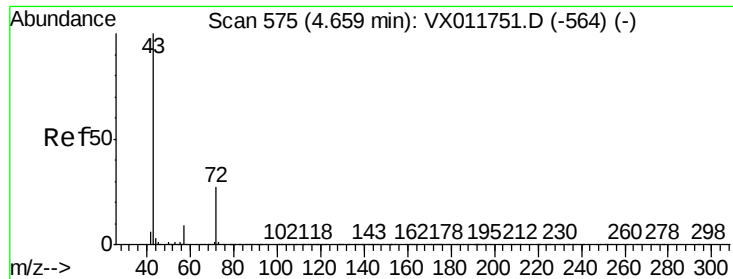


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

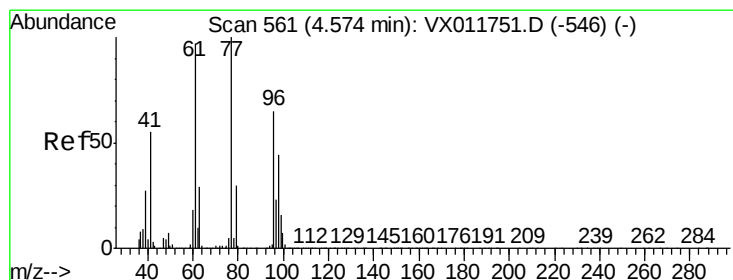
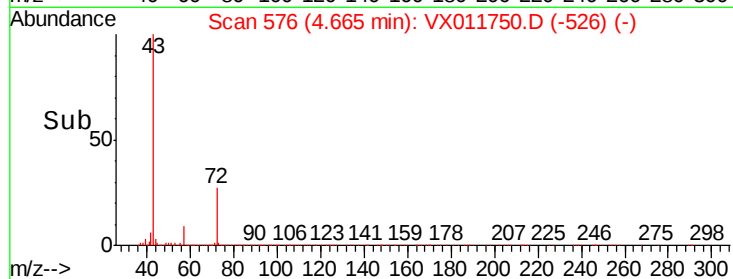
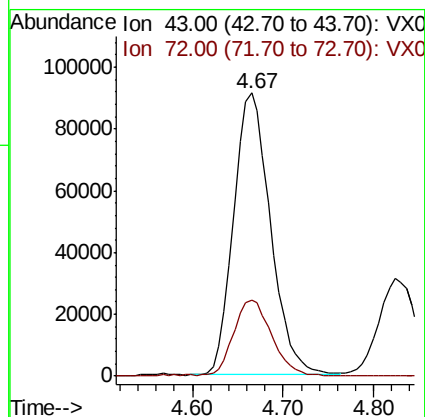
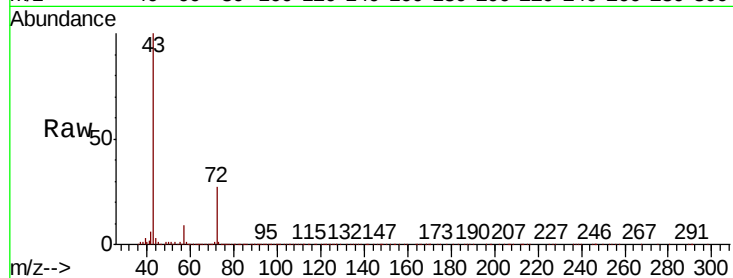




#25
2-Butanone
Concen: 89.137 ug/l
RT: 4.67 min Scan# 576
Delta R.T. 0.01 min
Lab File: VX011750.D
Acq: 22 Aug 2019 09:43

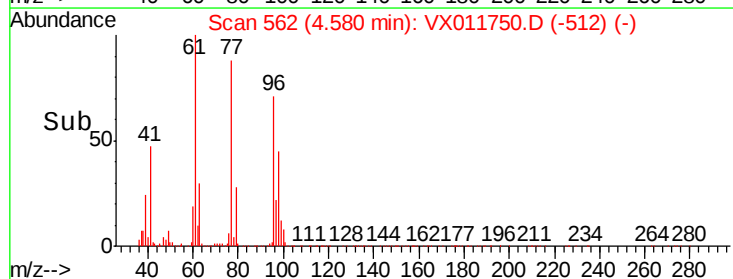
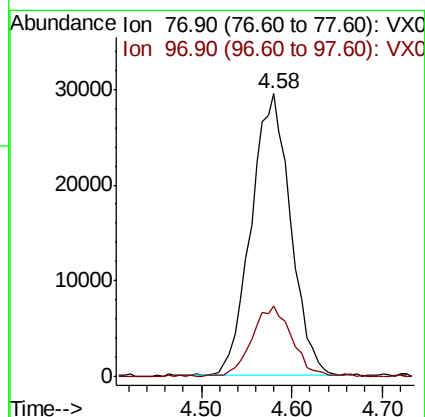
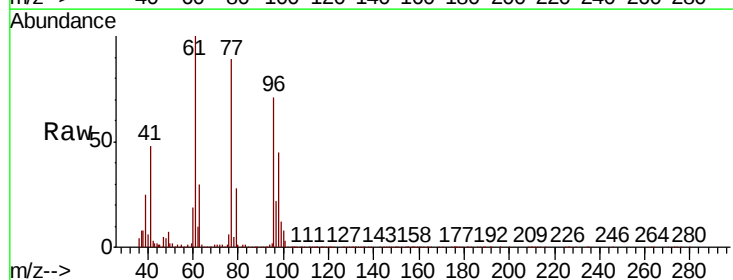
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

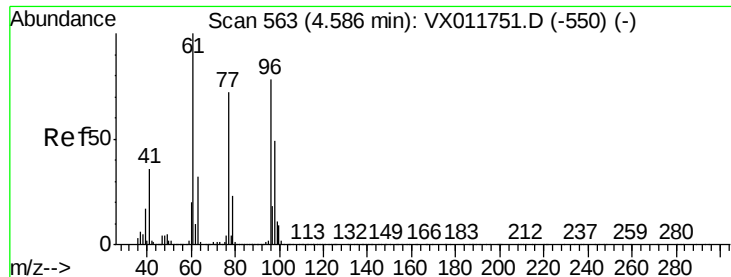
Tgt Ion: 43 Resp: 257973
Ion Ratio Lower Upper
43 100
72 26.6 21.8 32.6



#26
2,2-Dichloropropane
Concen: 18.141 ug/l
RT: 4.58 min Scan# 562
Delta R.T. 0.01 min
Lab File: VX011750.D
Acq: 22 Aug 2019 09:43

Tgt Ion: 77 Resp: 88519
Ion Ratio Lower Upper
77 100
97 11.7 12.2 36.6#



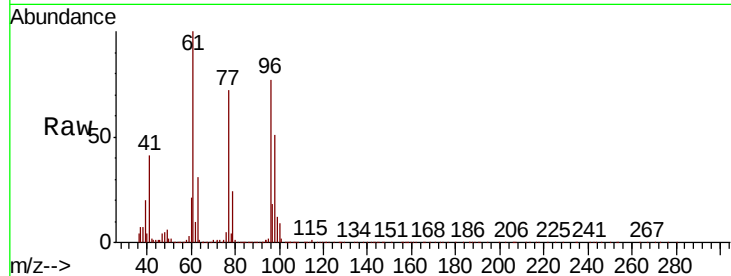


#27

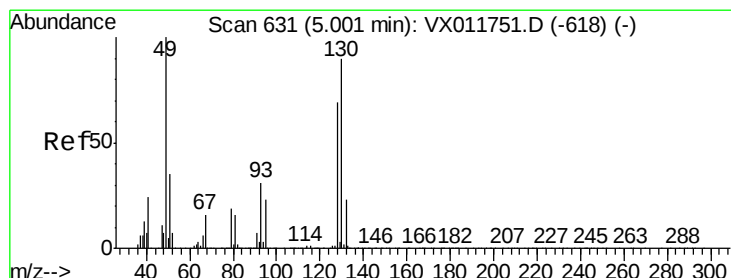
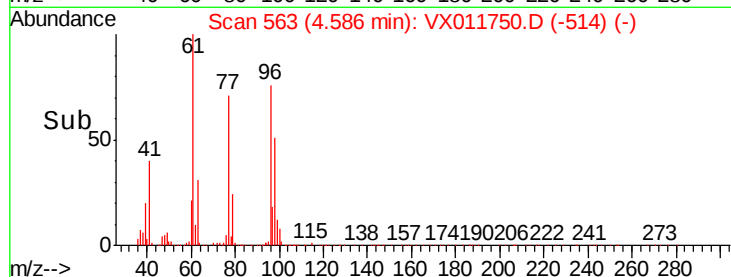
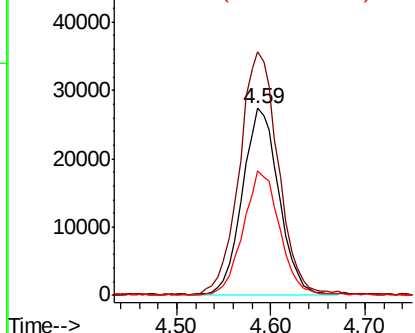
cis-1,2-Dichloroethene
Concen: 17.573 ug/l
RT: 4.59 min Scan# 563
Delta R.T. -0.00 min
Lab File: VX011750.D
Acq: 22 Aug 2019 09:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion: 96 Resp: 74144
Ion Ratio Lower Upper
96 100
61 137.8 0.0 275.8
98 66.8 0.0 128.2



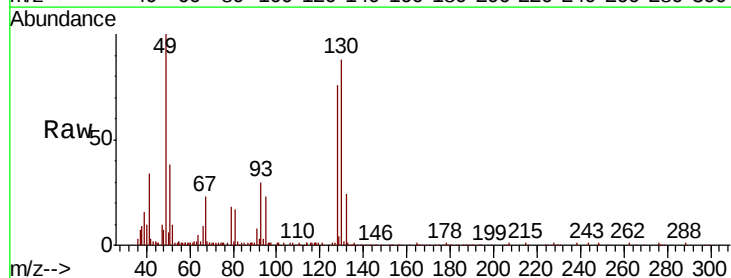
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



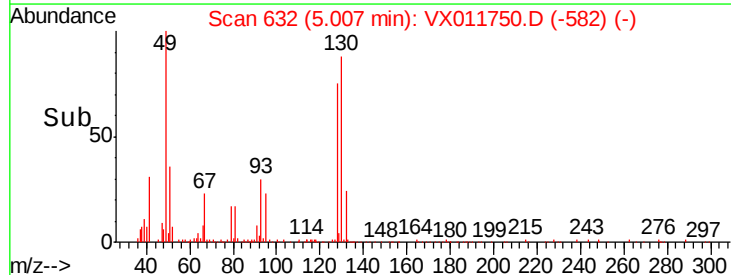
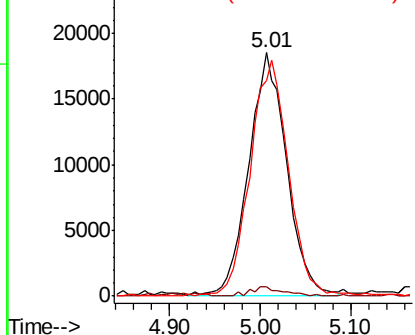
#28

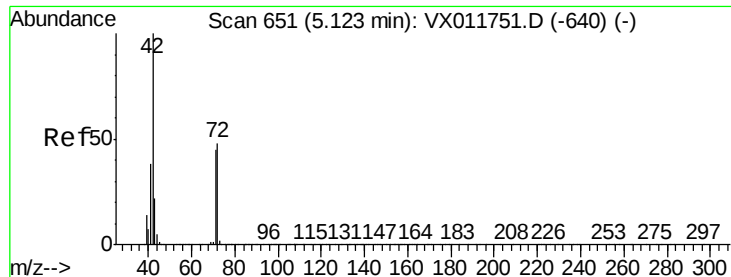
Bromochloromethane
Concen: 19.101 ug/l
RT: 5.01 min Scan# 632
Delta R.T. 0.01 min
Lab File: VX011750.D
Acq: 22 Aug 2019 09:43

Tgt Ion: 49 Resp: 53803
Ion Ratio Lower Upper
49 100
129 3.3 0.0 5.8
130 97.8 76.8 115.2



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

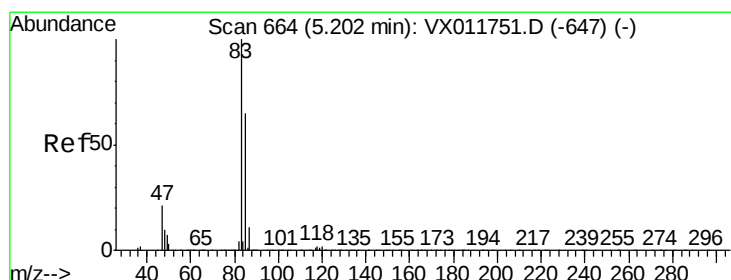
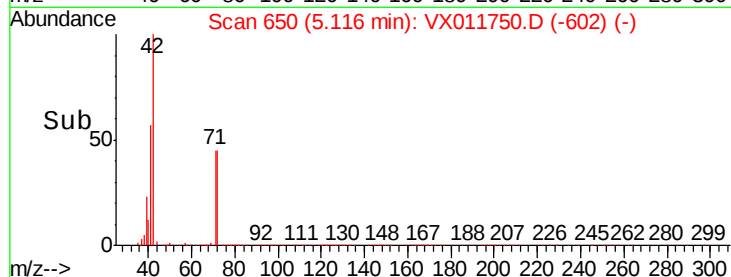
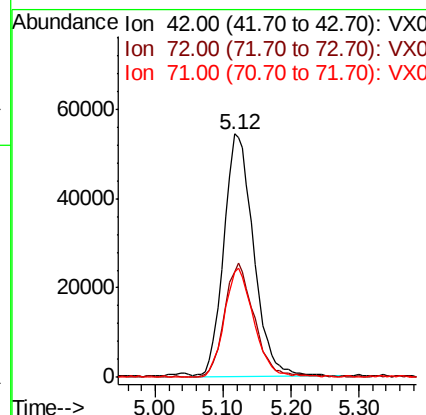
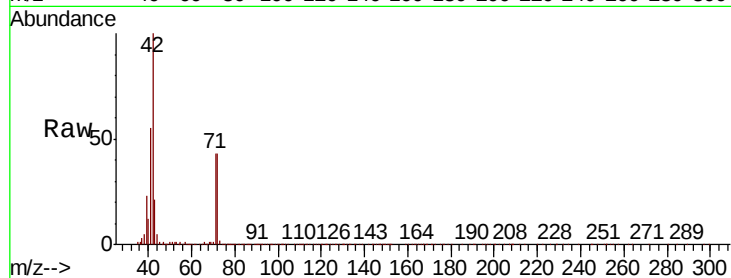




#29
Tetrahydrofuran
Concen: 86.552 ug/l
RT: 5.12 min Scan# 650
Delta R.T. -0.01 min
Lab File: VX011750.D
Acq: 22 Aug 2019 09:43

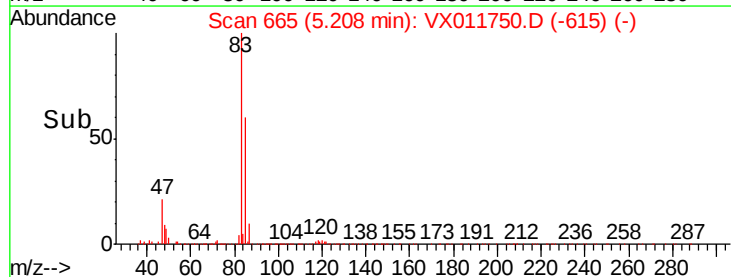
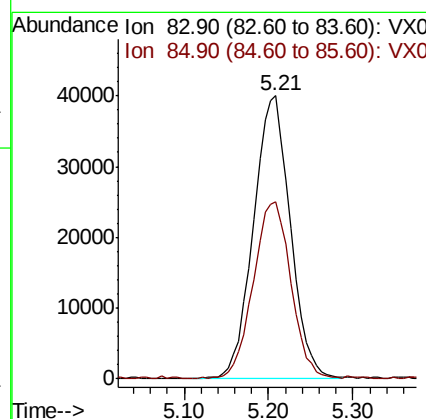
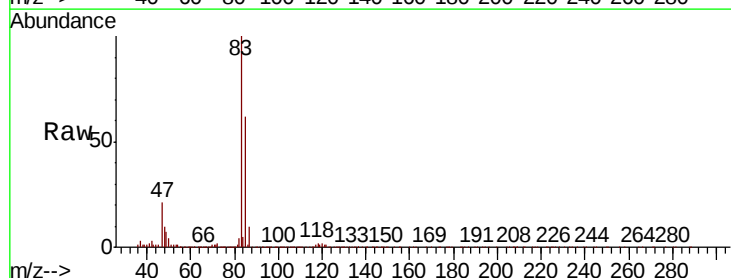
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

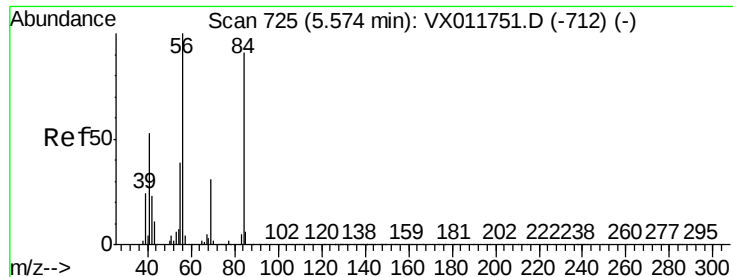
Tgt Ion: 42 Resp: 164568
Ion Ratio Lower Upper
42 100
72 47.5 37.6 56.4
71 44.1 34.6 51.8



#30
Chloroform
Concen: 17.590 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.01 min
Lab File: VX011750.D
Acq: 22 Aug 2019 09:43

Tgt Ion: 83 Resp: 118634
Ion Ratio Lower Upper
83 100
85 62.7 51.8 77.8

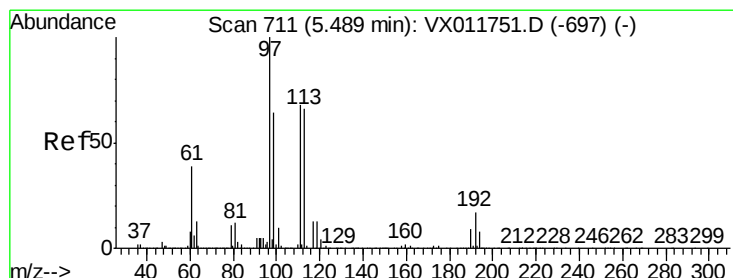
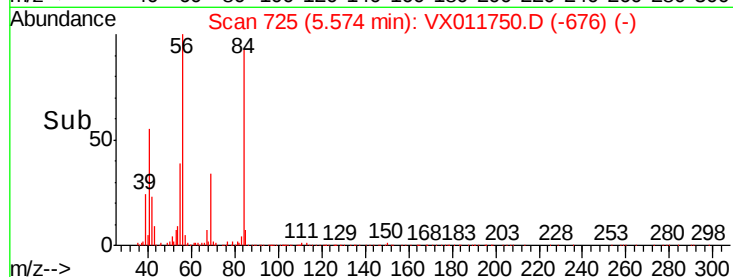
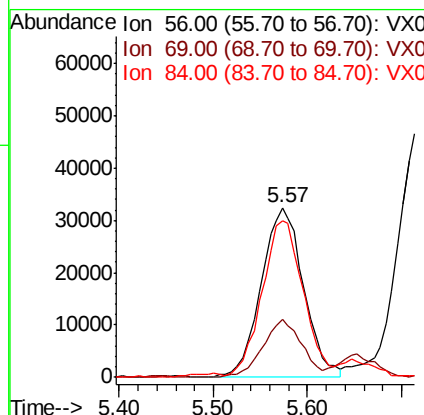
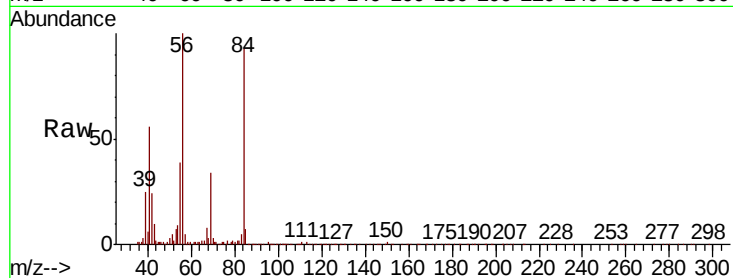




#31
Cyclohexane
Concen: 18.461 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX011750.D
Acq: 22 Aug 2019 09:43

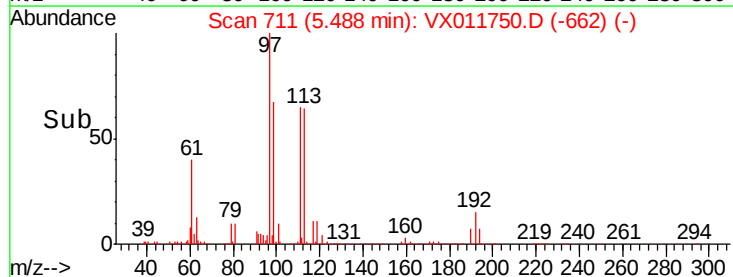
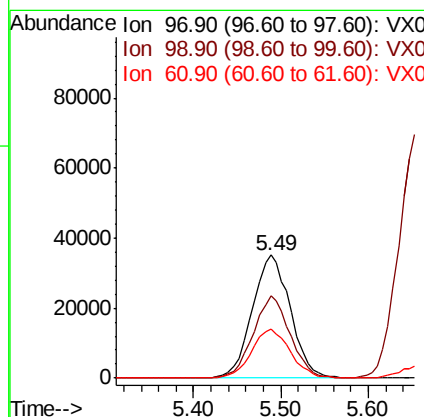
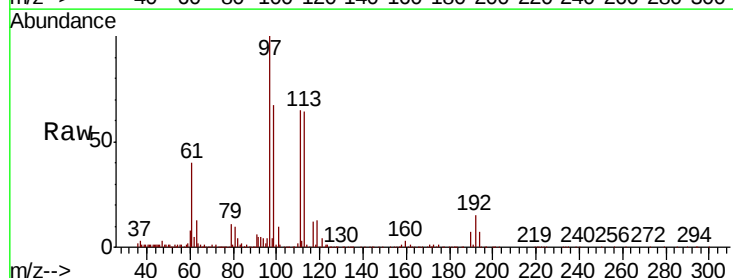
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

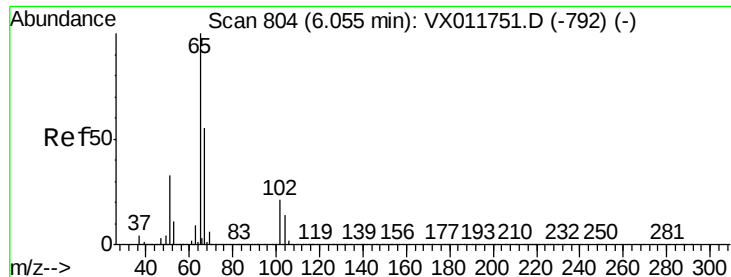
Tgt Ion: 56 Resp: 101607
Ion Ratio Lower Upper
56 100
69 34.1 24.5 36.7
84 91.2 72.7 109.1



#32
1,1,1-Trichloroethane
Concen: 18.142 ug/l
RT: 5.49 min Scan# 711
Delta R.T. -0.00 min
Lab File: VX011750.D
Acq: 22 Aug 2019 09:43

Tgt Ion: 97 Resp: 105704
Ion Ratio Lower Upper
97 100
99 65.2 51.4 77.0
61 40.4 31.6 47.4





#33

1,2-Dichloroethane-d4

Concen: 19.603 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.01 min

Lab File: VX011750.D

Acq: 22 Aug 2019 09:43

Instrument :

MSVOA_X

ClientSampleId :

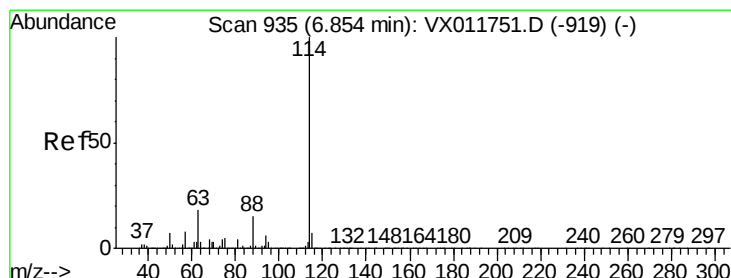
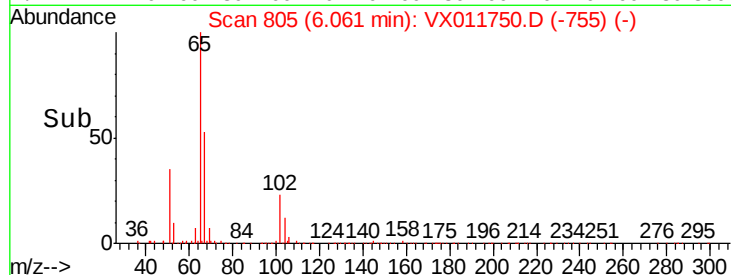
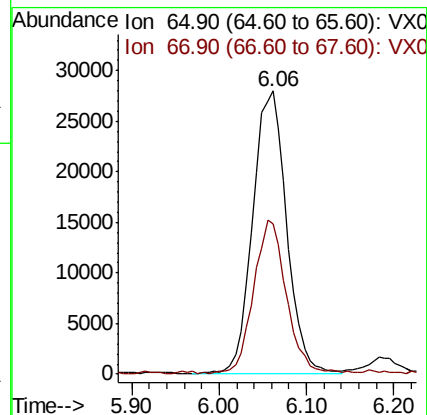
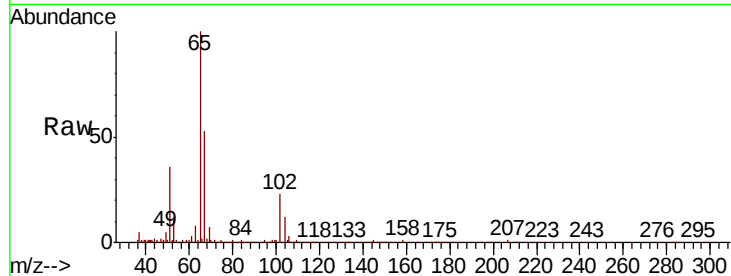
VSTDIC020

Tgt Ion: 65 Resp: 75814

Ion Ratio Lower Upper

65 100

67 51.0 0.0 107.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.00 min

Lab File: VX011750.D

Acq: 22 Aug 2019 09:43

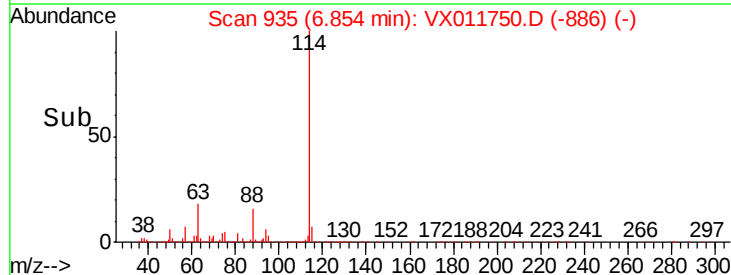
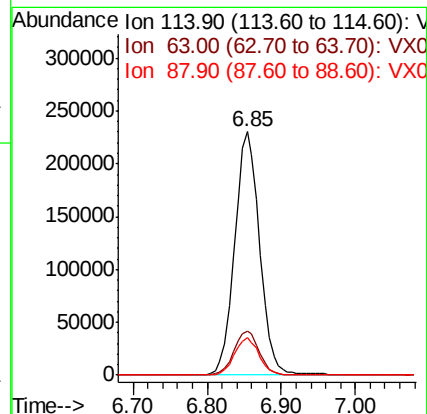
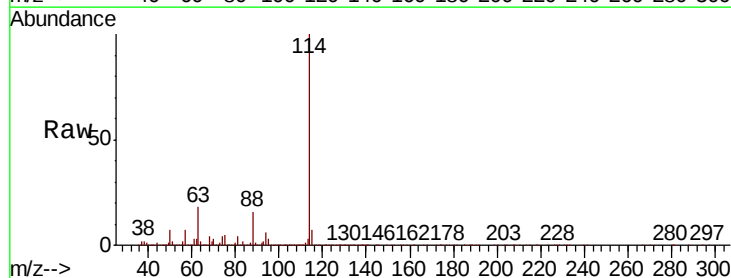
Tgt Ion: 114 Resp: 540293

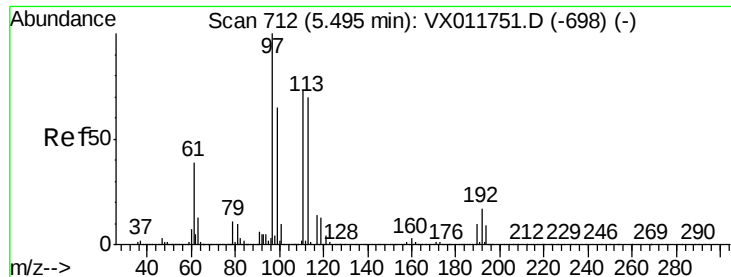
Ion Ratio Lower Upper

114 100

63 18.1 0.0 36.8

88 15.5 0.0 30.2

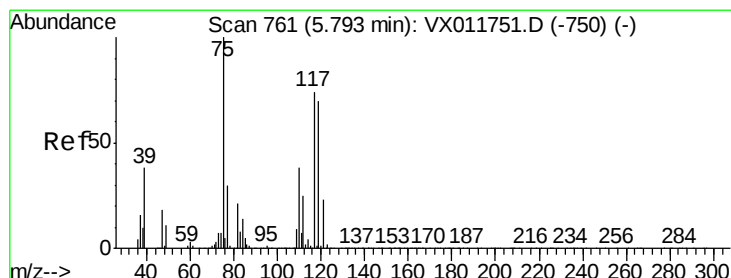
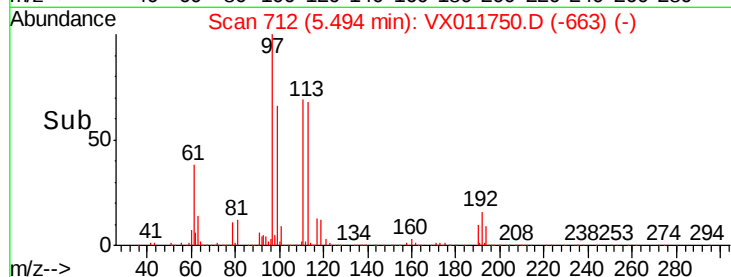
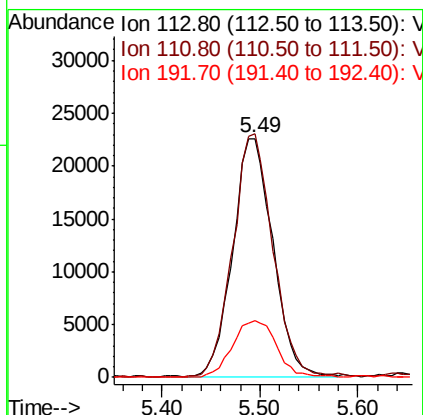
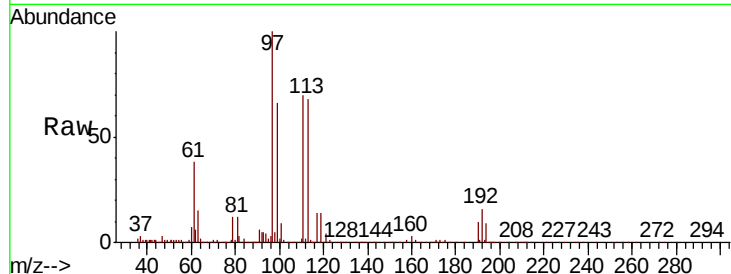




#35
 Dibromofluoromethane
 Concen: 18.131 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.00 min
 Lab File: VX011750.D
 Acq: 22 Aug 2019 09:43

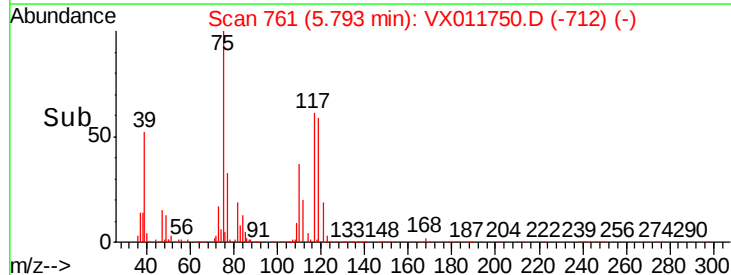
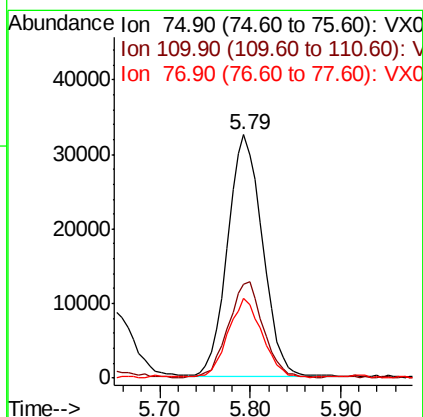
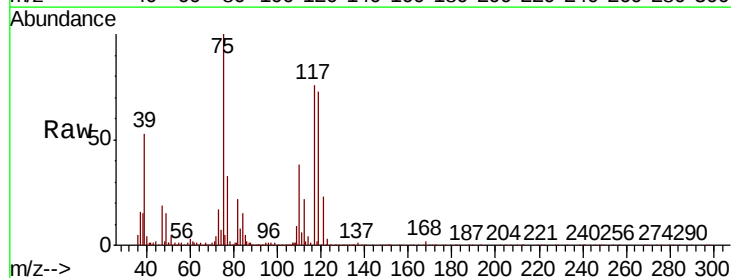
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

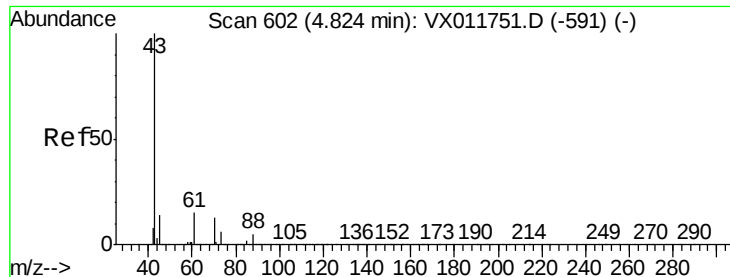
Tgt Ion: 113 Resp: 64912
 Ion Ratio Lower Upper
 113 100
 111 101.5 81.0 121.4
 192 25.7 19.9 29.9



#36
 1,1-Dichloropropene
 Concen: 19.111 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. -0.00 min
 Lab File: VX011750.D
 Acq: 22 Aug 2019 09:43

Tgt Ion: 75 Resp: 86876
 Ion Ratio Lower Upper
 75 100
 110 40.2 19.0 57.0
 77 31.4 24.6 36.8

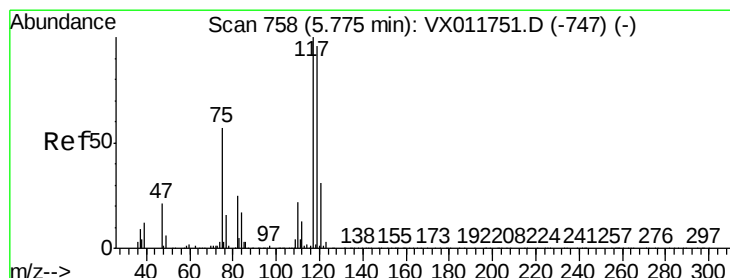
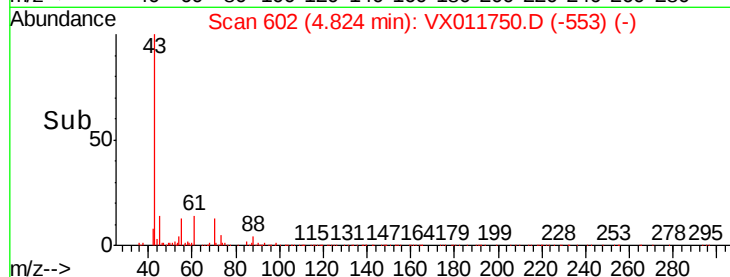
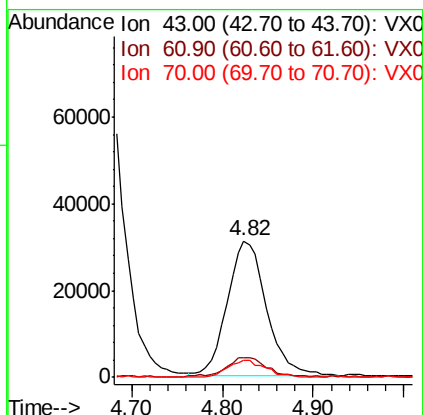
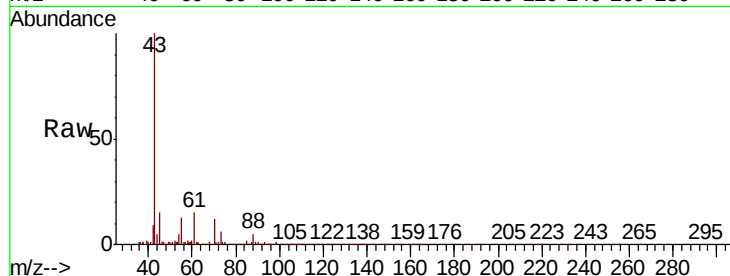




#37
Ethyl Acetate
Concen: 17.822 ug/l
RT: 4.82 min Scan# 602
Delta R.T. -0.00 min
Lab File: VX011750.D
Acq: 22 Aug 2019 09:43

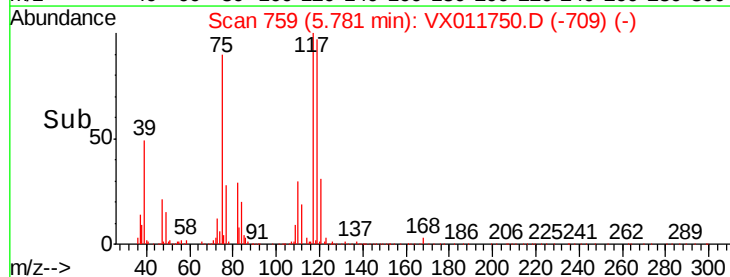
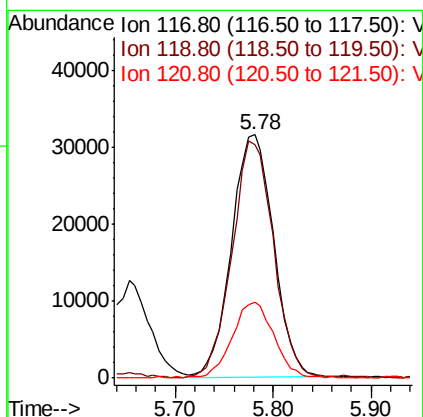
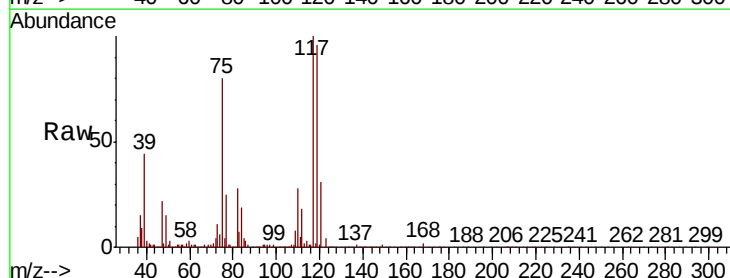
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

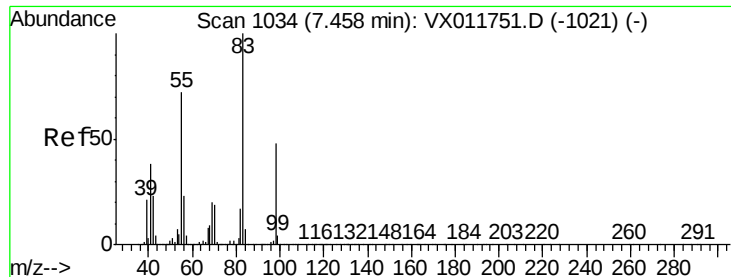
Tgt Ion: 43 Resp: 92662
Ion Ratio Lower Upper
43 100
61 14.7 11.5 17.3
70 11.9 9.5 14.3



#38
Carbon Tetrachloride
Concen: 18.651 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.01 min
Lab File: VX011750.D
Acq: 22 Aug 2019 09:43

Tgt Ion: 117 Resp: 93711
Ion Ratio Lower Upper
117 100
119 96.1 76.6 114.8
121 31.2 25.2 37.8

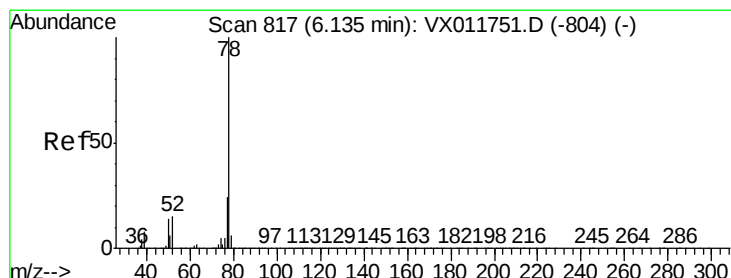
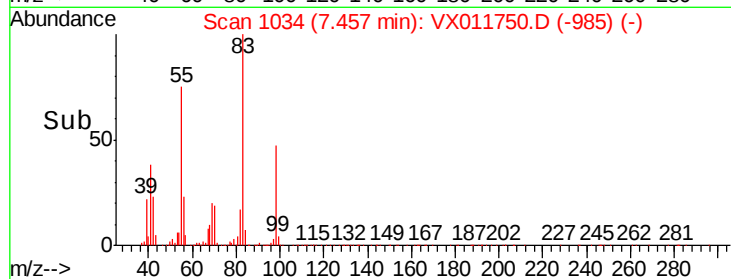
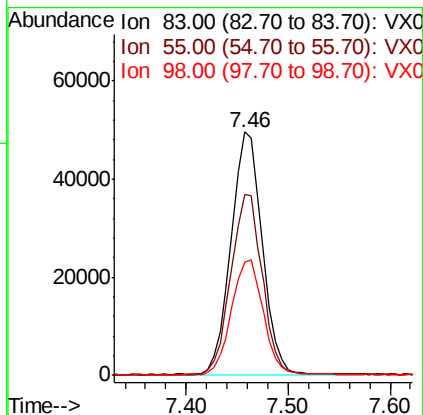
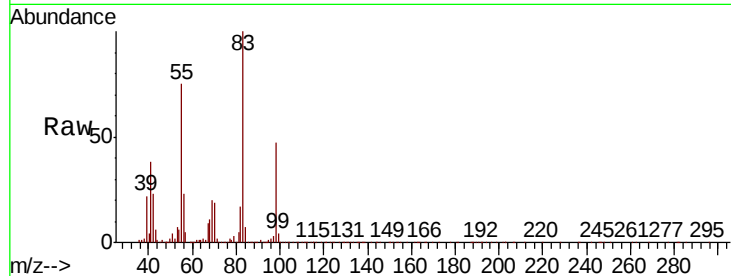




#39
Methylcyclohexane
Concen: 18.503 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VX011750.D
Acq: 22 Aug 2019 09:43

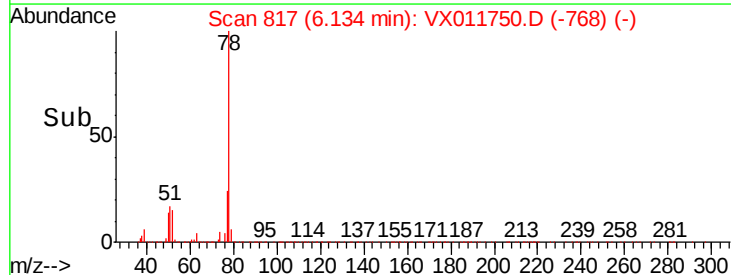
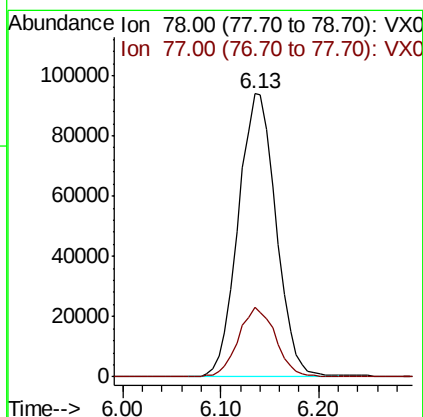
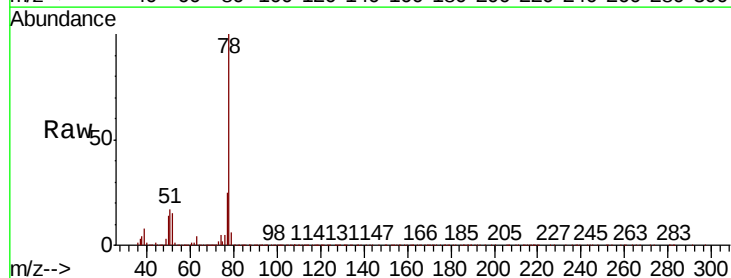
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

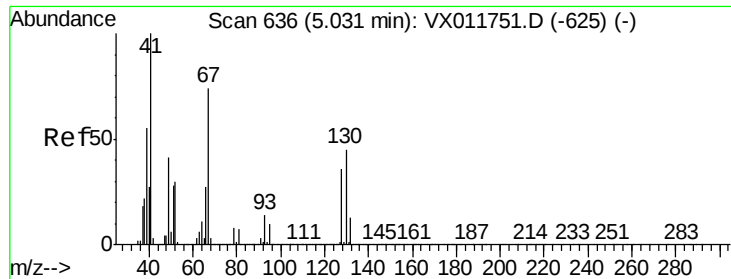
Tgt Ion: 83 Resp: 104849
Ion Ratio Lower Upper
83 100
55 74.6 57.8 86.6
98 46.6 38.6 58.0



#40
Benzene
Concen: 17.833 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.00 min
Lab File: VX011750.D
Acq: 22 Aug 2019 09:43

Tgt Ion: 78 Resp: 251467
Ion Ratio Lower Upper
78 100
77 24.5 19.1 28.7





#41

Methacrylonitrile

Concen: 18.048 ug/l

RT: 5.03 min Scan# 636

Delta R.T. -0.00 min

Lab File: VX011750.D

Acq: 22 Aug 2019 09:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 41 Resp: 51349

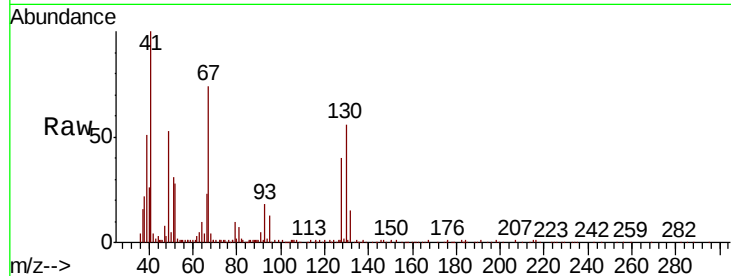
Ion Ratio Lower Upper

41 100

39 53.5 44.3 66.5

67 77.1 60.3 90.5

52 32.9 24.0 36.0

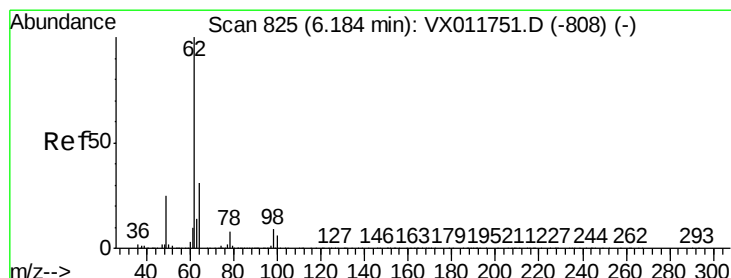
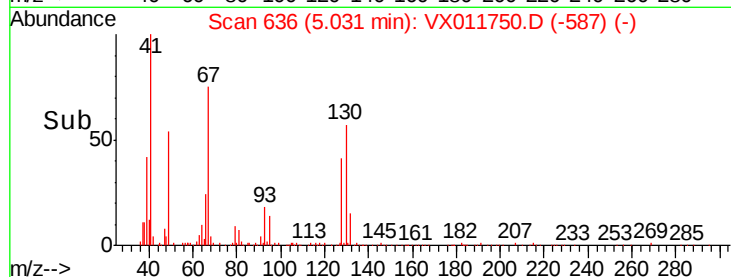
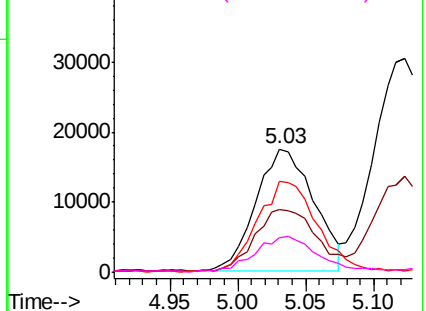


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 18.767 ug/l

RT: 6.18 min Scan# 825

Delta R.T. -0.00 min

Lab File: VX011750.D

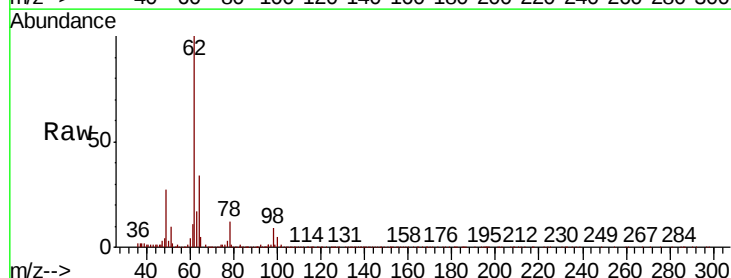
Acq: 22 Aug 2019 09:43

Tgt Ion: 62 Resp: 92519

Ion Ratio Lower Upper

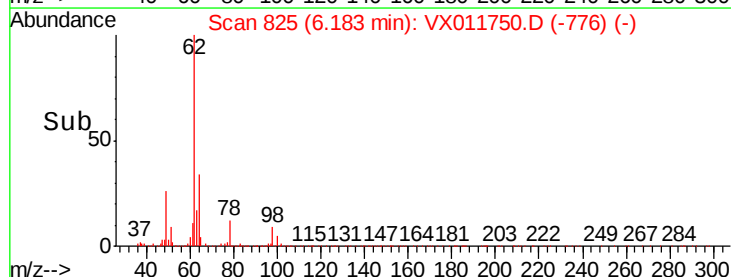
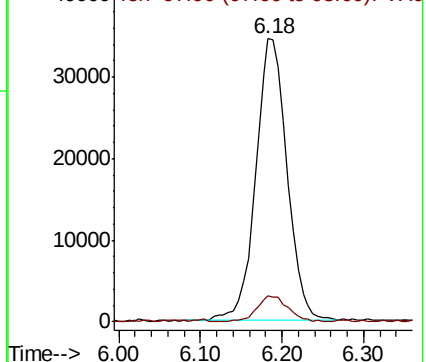
62 100

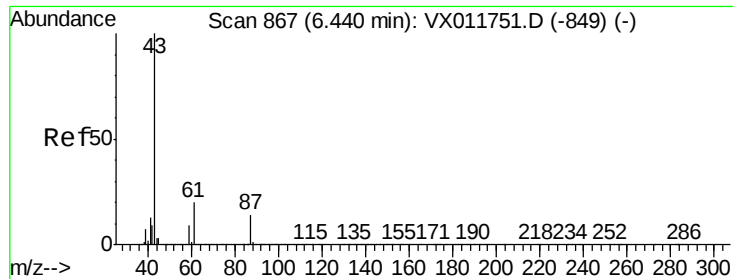
98 9.4 0.0 18.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 17.583 ug/l

RT: 6.44 min Scan# 867

Delta R.T. -0.00 min

Lab File: VX011750.D

Acq: 22 Aug 2019 09:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

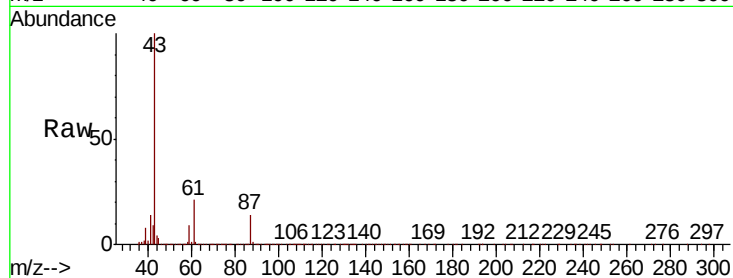
Tgt Ion: 43 Resp: 143059

Ion Ratio Lower Upper

43 100

61 20.7 16.2 24.2

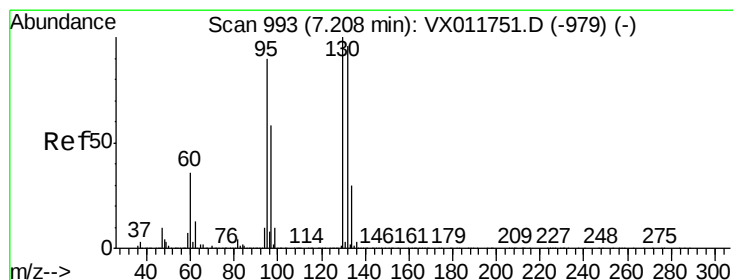
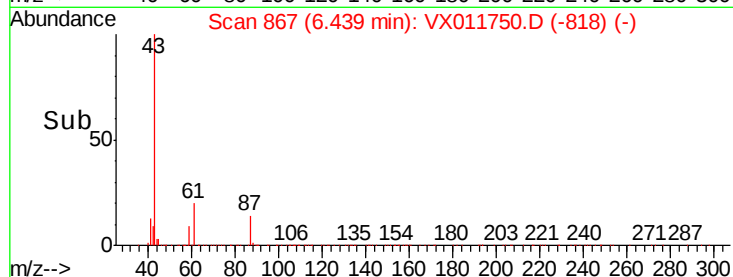
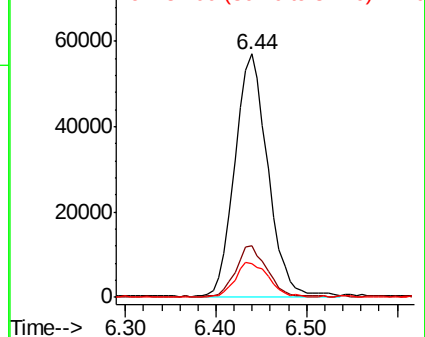
87 14.2 11.6 17.4



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: 18.718 ug/l

RT: 7.21 min Scan# 993

Delta R.T. -0.00 min

Lab File: VX011750.D

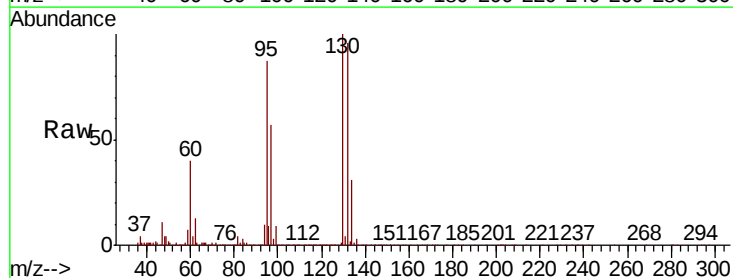
Acq: 22 Aug 2019 09:43

Tgt Ion: 130 Resp: 79027

Ion Ratio Lower Upper

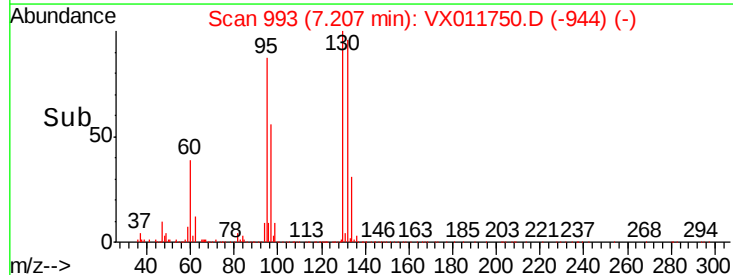
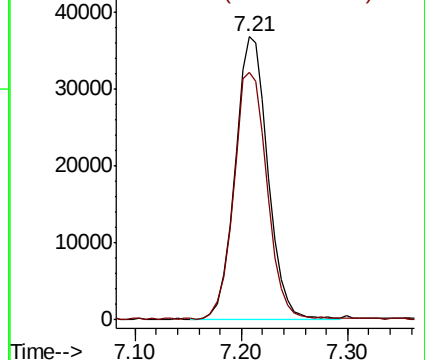
130 100

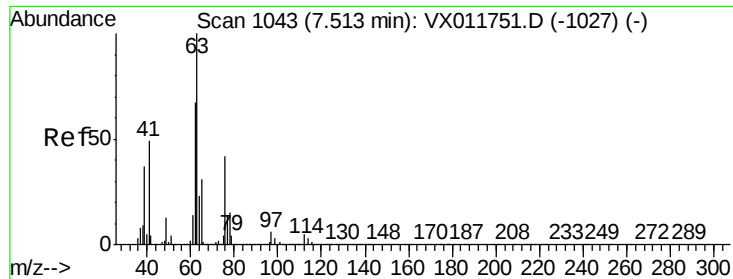
95 87.1 0.0 179.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

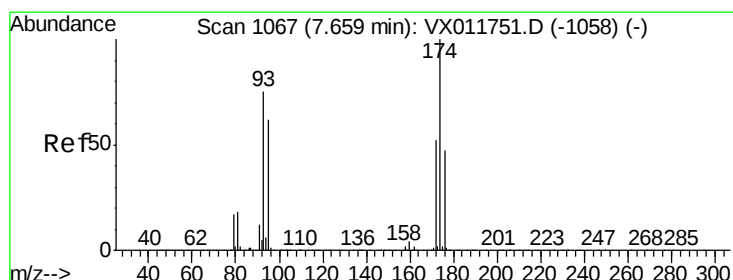
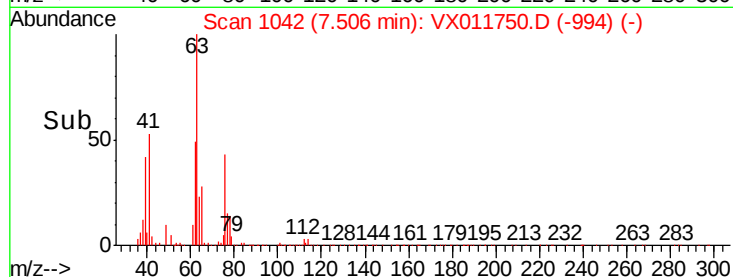
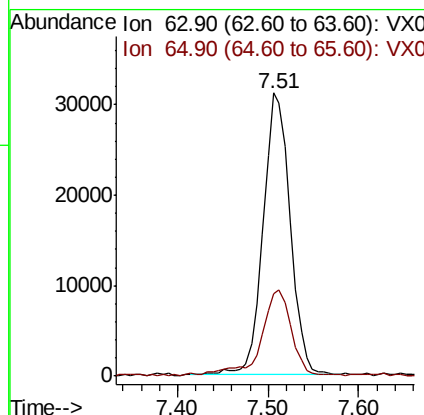
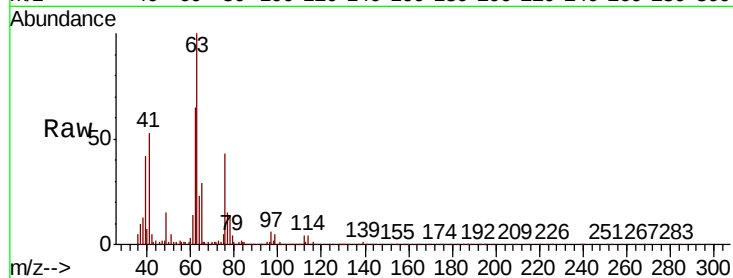




#45
 1,2-Dichloropropane
 Concen: 18.323 ug/l
 RT: 7.51 min Scan# 1042
 Delta R.T. -0.01 min
 Lab File: VX011750.D
 Acq: 22 Aug 2019 09:43

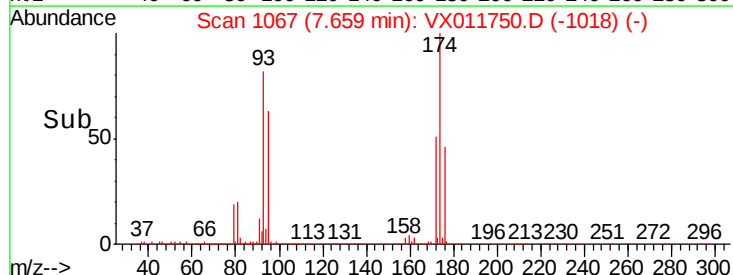
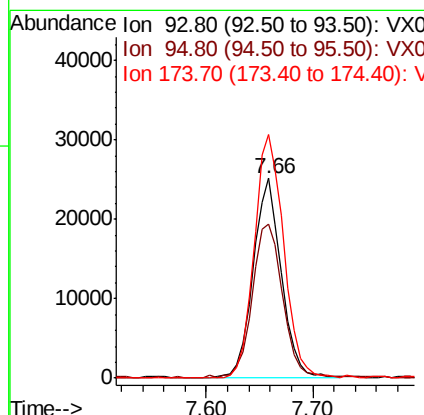
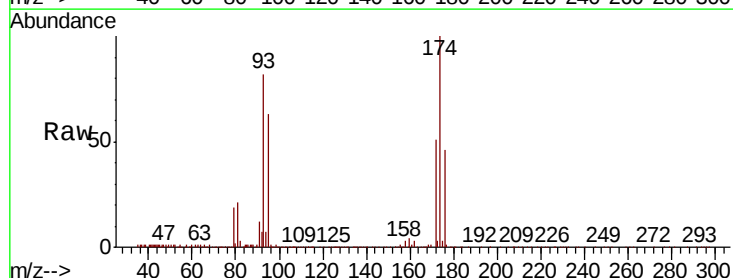
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

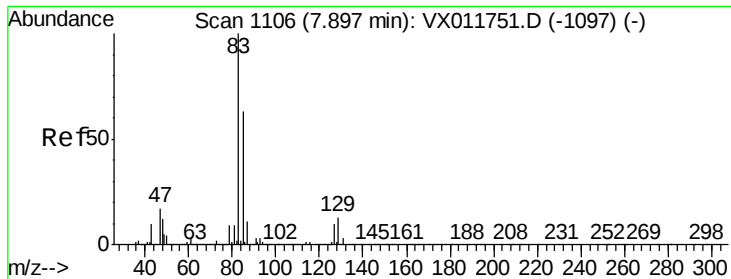
Tgt Ion: 63 Resp: 64471
 Ion Ratio Lower Upper
 63 100
 65 28.6 24.8 37.2



#46
 Dibromomethane
 Concen: 18.096 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX011750.D
 Acq: 22 Aug 2019 09:43

Tgt Ion: 93 Resp: 46666
 Ion Ratio Lower Upper
 93 100
 95 83.5 66.2 99.2
 174 127.5 104.2 156.4





#47

Bromodichloromethane

Concen: 17.995 ug/l

RT: 7.89 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VX011750.D

Acq: 22 Aug 2019 09:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

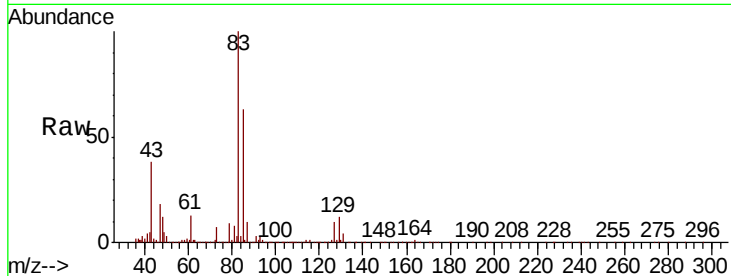
Tgt Ion: 83 Resp: 84918

Ion Ratio Lower Upper

83 100

85 63.2 50.6 76.0

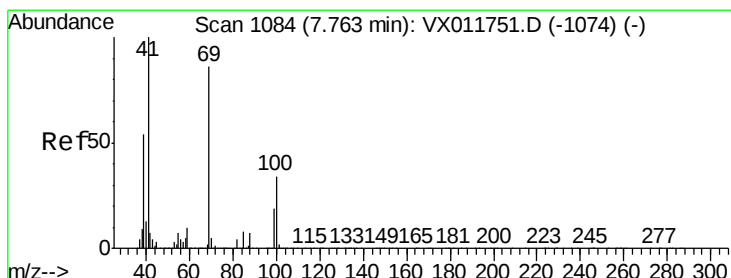
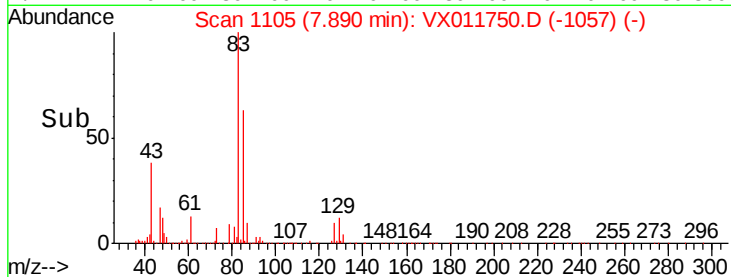
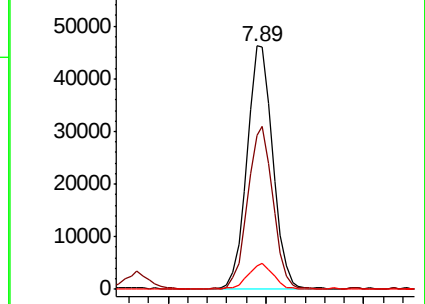
127 9.6 8.4 12.6



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: 18.296 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.01 min

Lab File: VX011750.D

Acq: 22 Aug 2019 09:43

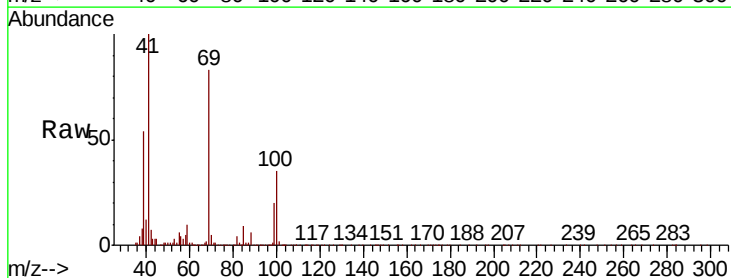
Tgt Ion: 41 Resp: 73647

Ion Ratio Lower Upper

41 100

69 86.0 69.4 104.2

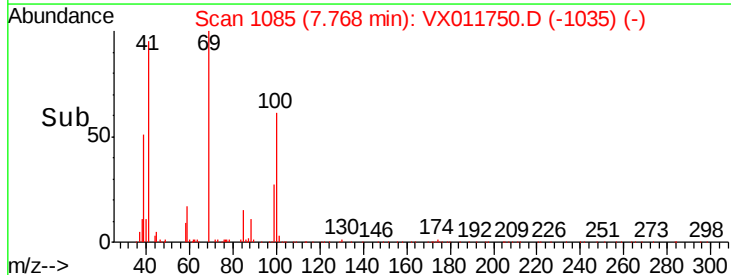
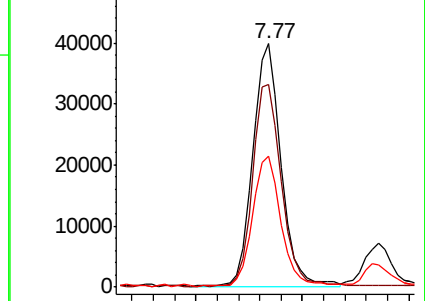
39 53.2 43.6 65.4

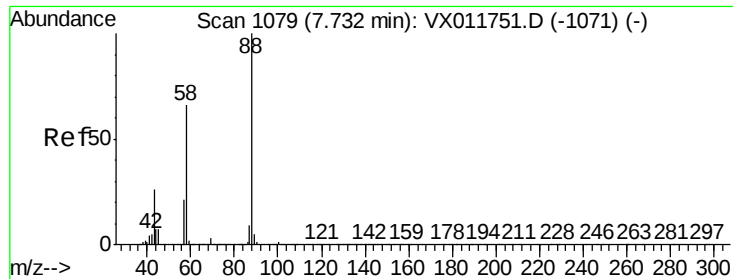


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

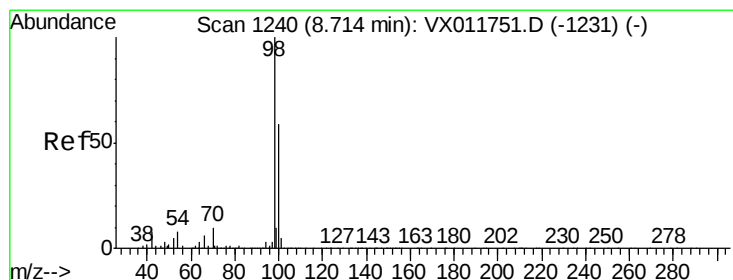
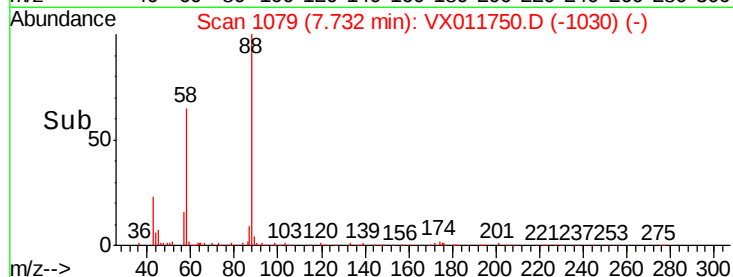
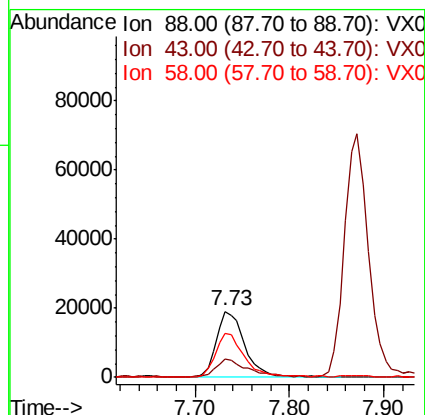
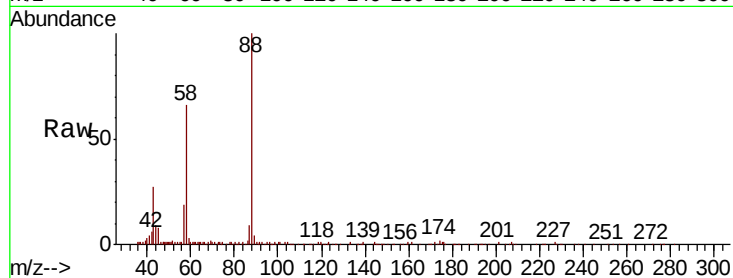




#49
1,4-Dioxane
Concen: 367.016 ug/l
RT: 7.73 min Scan# 1079
Delta R.T. -0.00 min
Lab File: VX011750.D
Acq: 22 Aug 2019 09:43

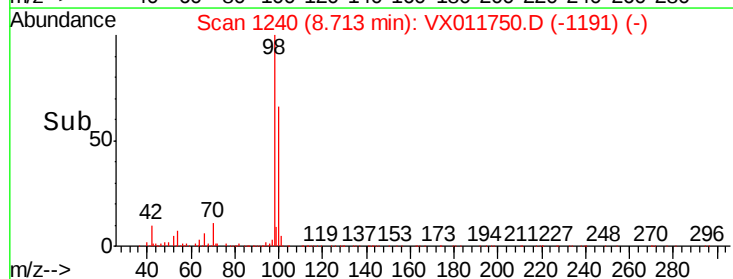
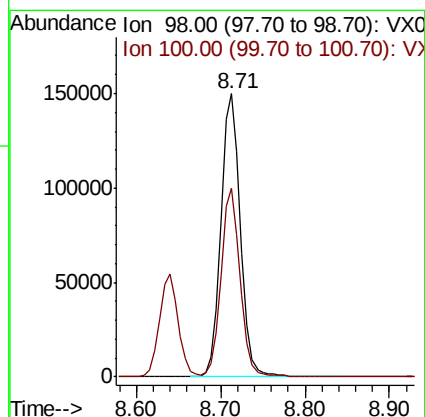
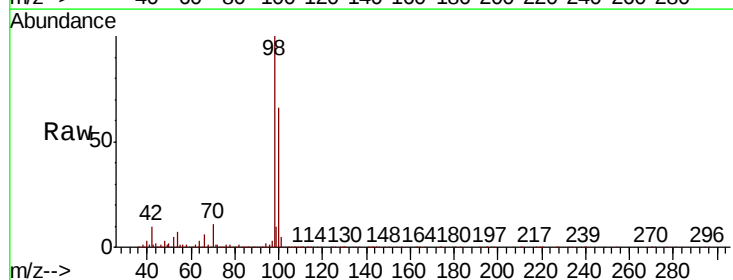
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

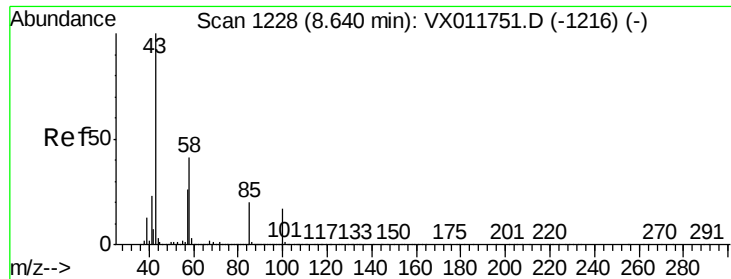
Tgt Ion: 88 Resp: 39413
Ion Ratio Lower Upper
88 100
43 28.6 24.6 37.0
58 67.6 51.4 77.2



#50
Toluene-d8
Concen: 20.703 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX011750.D
Acq: 22 Aug 2019 09:43

Tgt Ion: 98 Resp: 237772
Ion Ratio Lower Upper
98 100
100 65.6 52.1 78.1

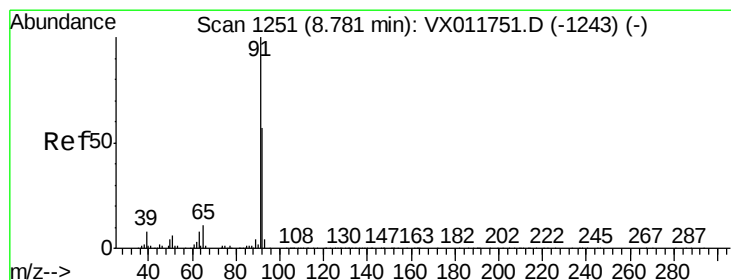
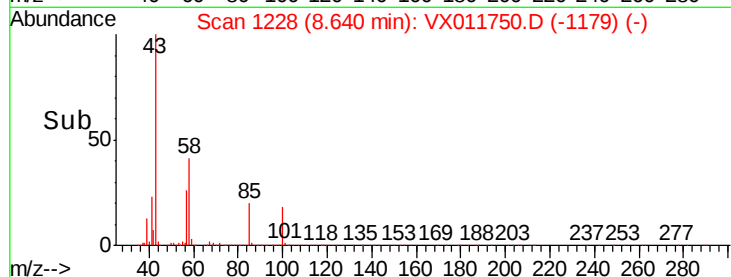
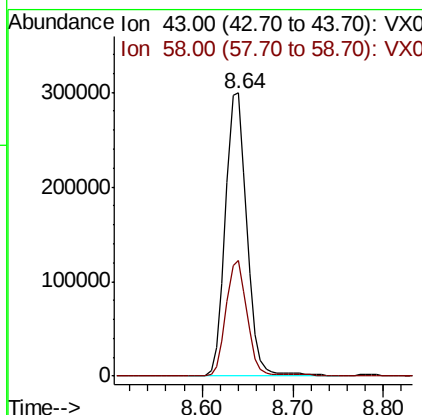
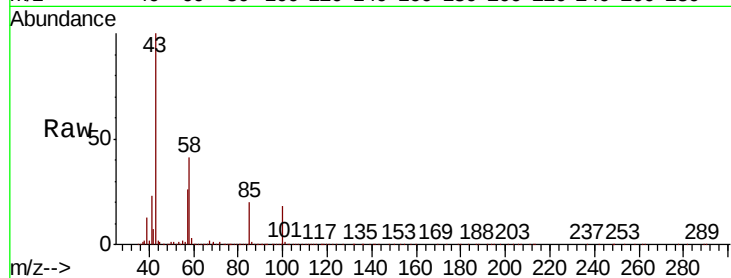




#51
 4-Methyl-2-Pentanone
 Concen: 93.328 ug/l
 RT: 8.64 min Scan# 1228
 Delta R.T. -0.00 min
 Lab File: VX011750.D
 Acq: 22 Aug 2019 09:43

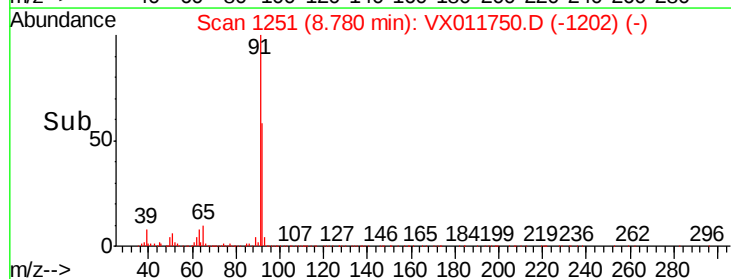
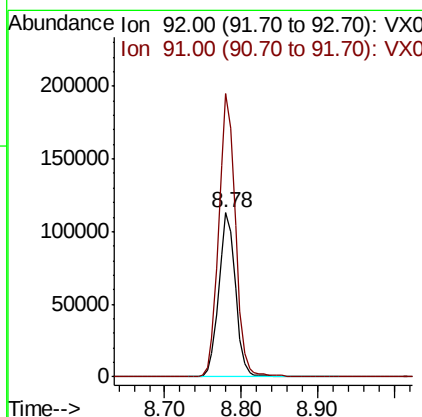
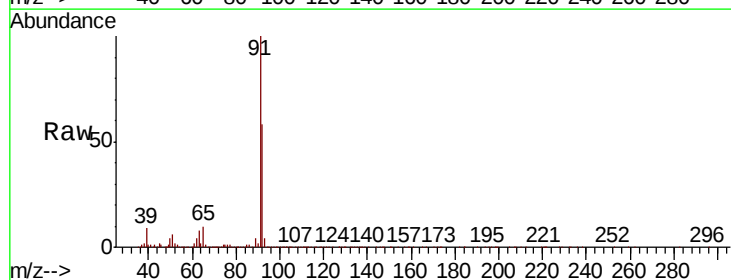
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

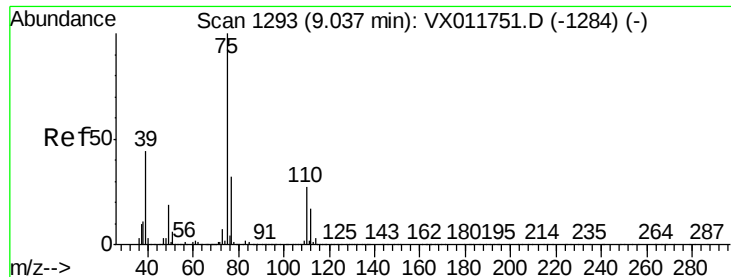
Tgt Ion: 43 Resp: 494759
 Ion Ratio Lower Upper
 43 100
 58 39.8 31.8 47.6



#52
 Toluene
 Concen: 19.029 ug/l
 RT: 8.78 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VX011750.D
 Acq: 22 Aug 2019 09:43

Tgt Ion: 92 Resp: 172106
 Ion Ratio Lower Upper
 92 100
 91 172.3 138.6 207.8

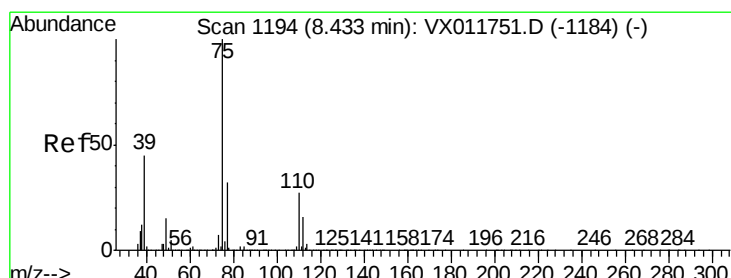
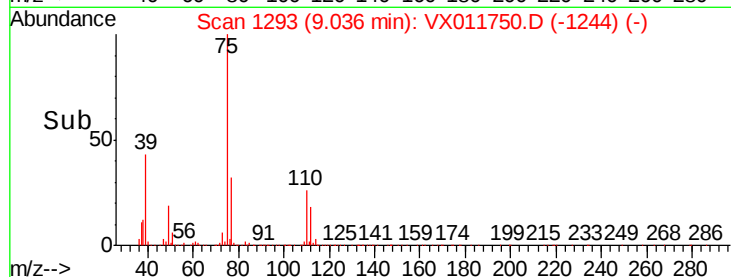
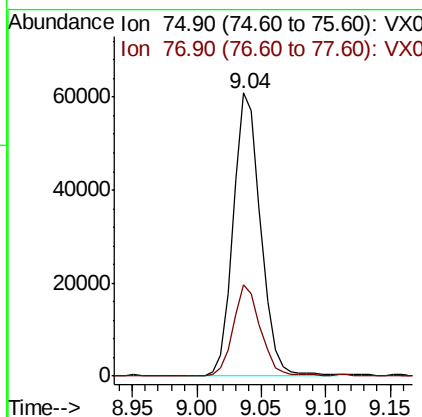
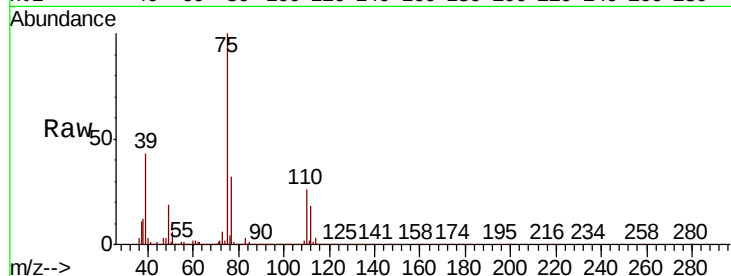




#53
 t-1,3-Dichloropropene
 Concen: 18.447 ug/l
 RT: 9.04 min Scan# 1293
 Delta R.T. -0.00 min
 Lab File: VX011750.D
 Acq: 22 Aug 2019 09:43

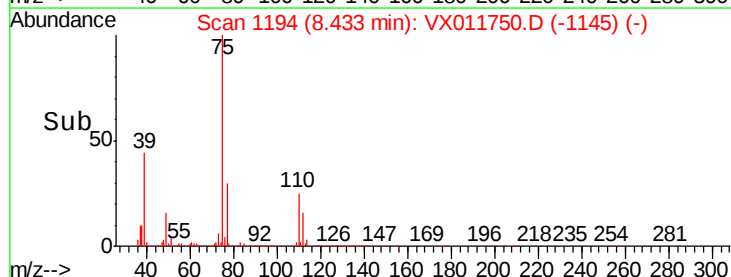
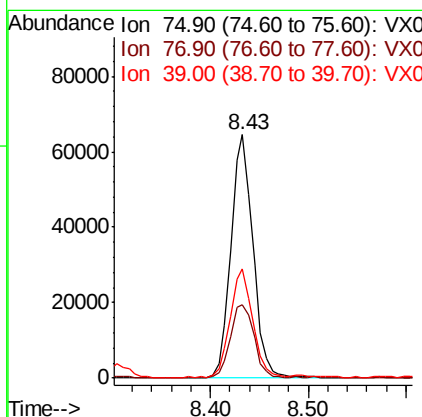
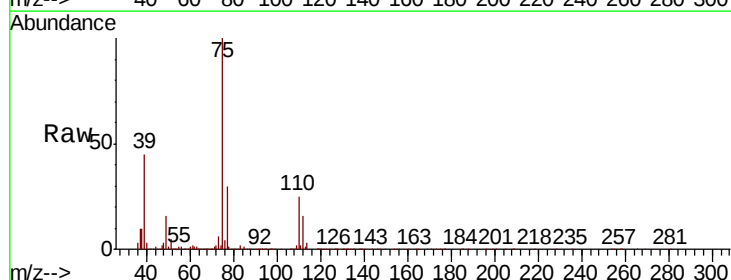
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

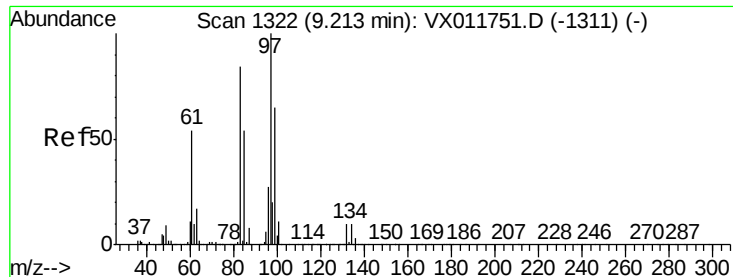
Tgt Ion: 75 Resp: 90293
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.4 38.0



#54
 cis-1,3-Dichloropropene
 Concen: 18.970 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX011750.D
 Acq: 22 Aug 2019 09:43

Tgt Ion: 75 Resp: 101391
 Ion Ratio Lower Upper
 75 100
 77 29.7 25.4 38.2
 39 44.2 36.2 54.4





#55

1,1,2-Trichloroethane

Concen: 18.773 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX011750.D

Acq: 22 Aug 2019 09:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 97 Resp: 72001

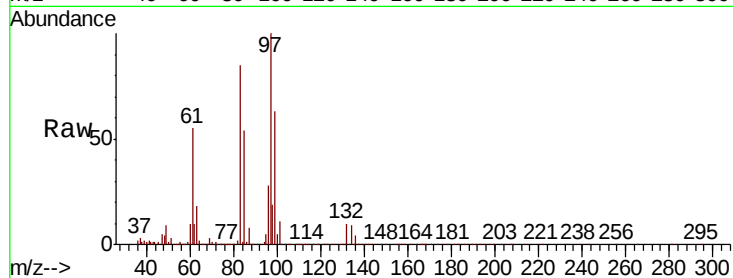
Ion Ratio Lower Upper

97 100

83 84.9 67.3 100.9

85 53.4 43.4 65.2

99 63.1 51.8 77.6

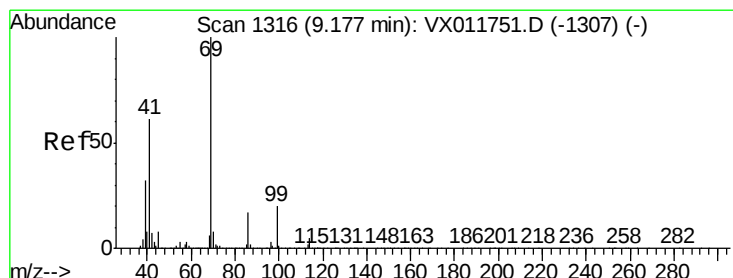
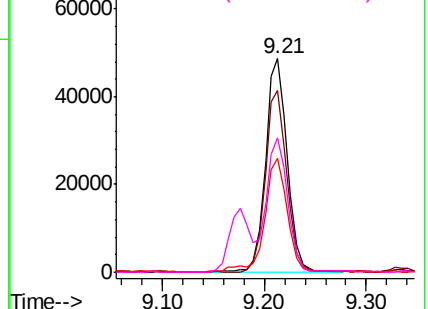
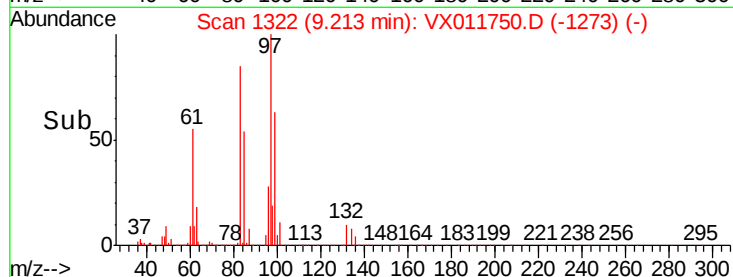


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 18.347 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX011750.D

Acq: 22 Aug 2019 09:43

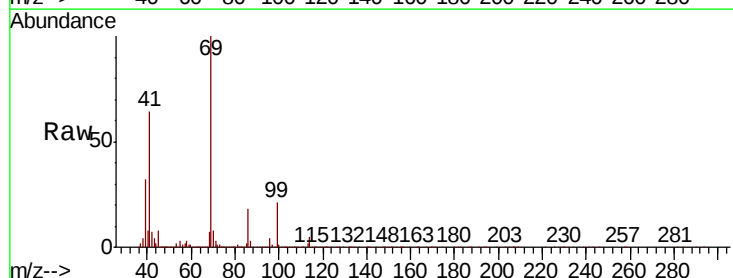
Tgt Ion: 69 Resp: 102150

Ion Ratio Lower Upper

69 100

41 62.9 50.7 76.1

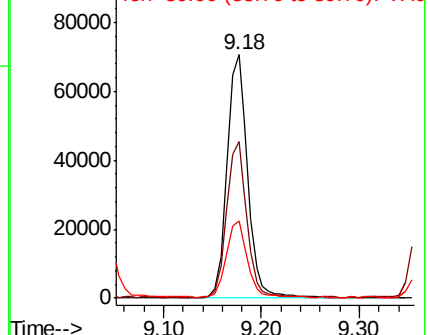
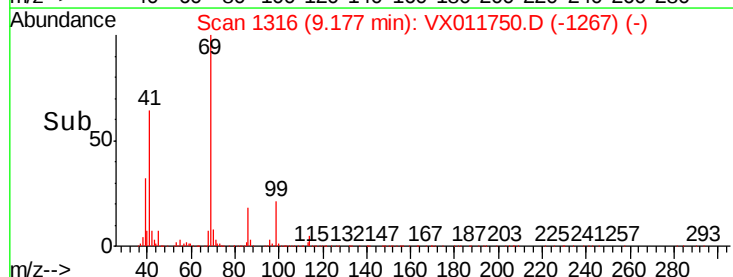
39 32.4 26.4 39.6

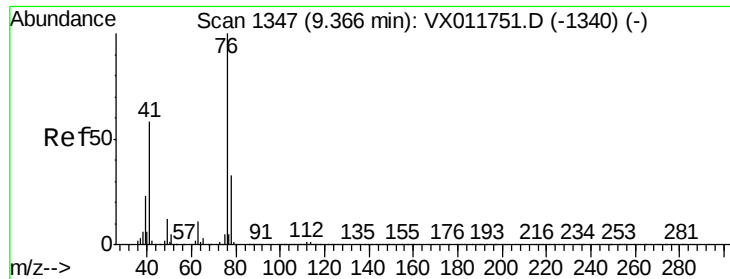


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 18.617 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.00 min

Lab File: VX011750.D

Acq: 22 Aug 2019 09:43

Instrument :

MSVOA_X

ClientSampleId :

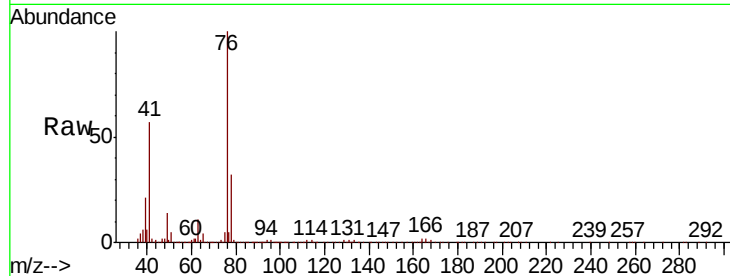
VSTDIC020

Tgt Ion: 76 Resp: 112703

Ion Ratio Lower Upper

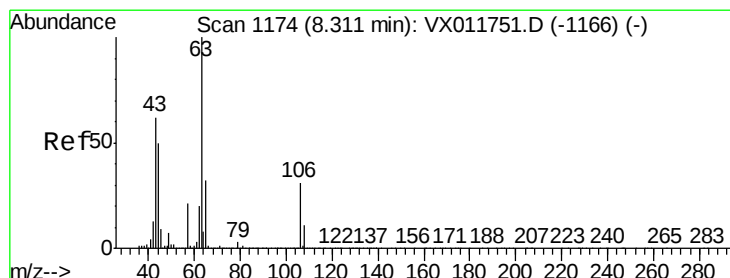
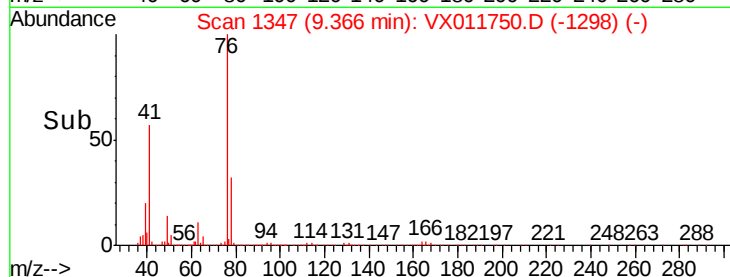
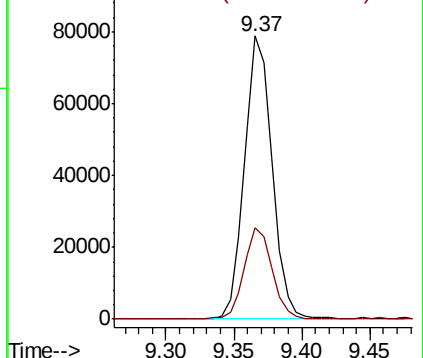
76 100

78 32.6 26.6 39.8



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: 95.799 ug/l

RT: 8.30 min Scan# 1173

Delta R.T. -0.01 min

Lab File: VX011750.D

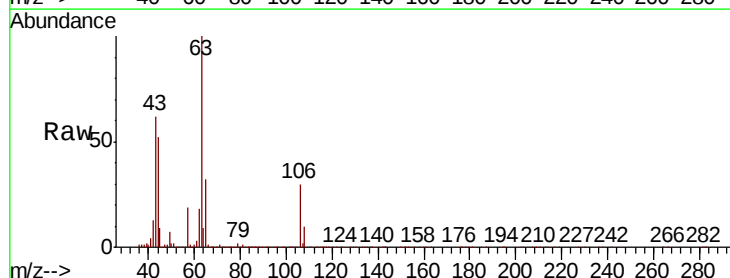
Acq: 22 Aug 2019 09:43

Tgt Ion: 63 Resp: 268633

Ion Ratio Lower Upper

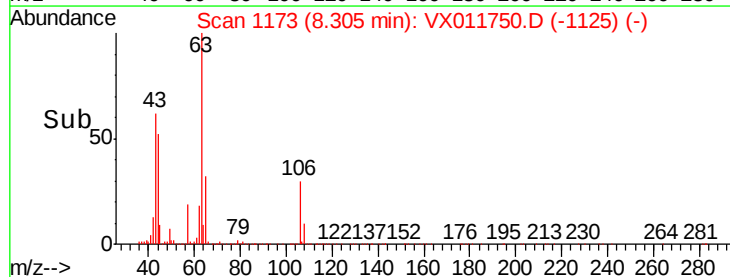
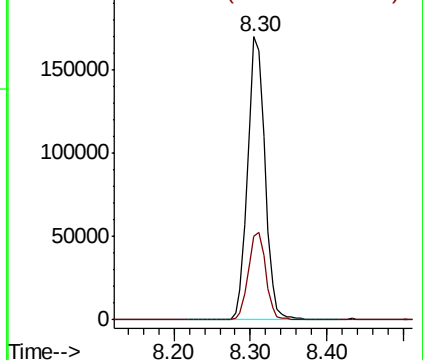
63 100

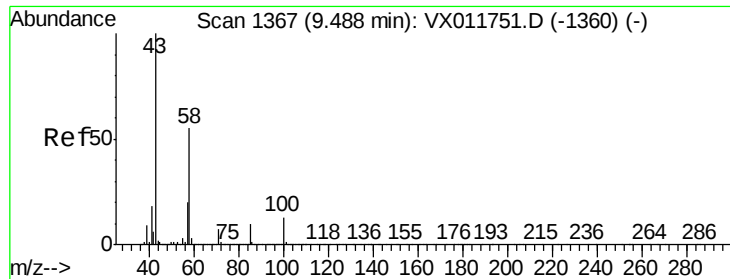
106 31.3 24.9 37.3



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

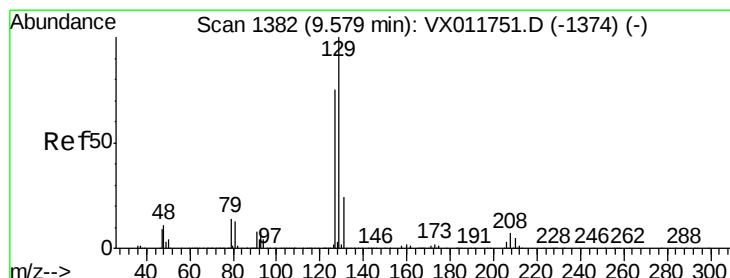
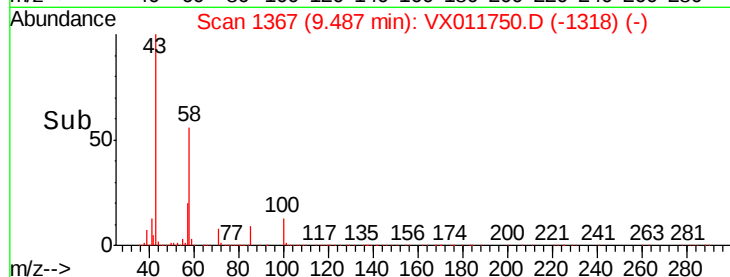
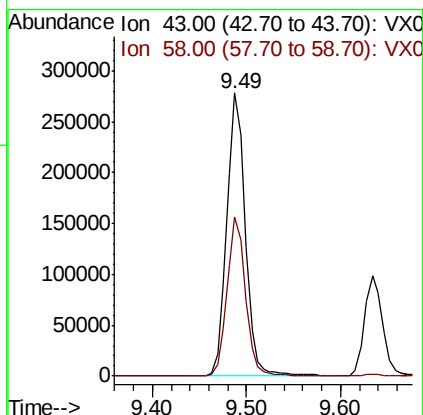
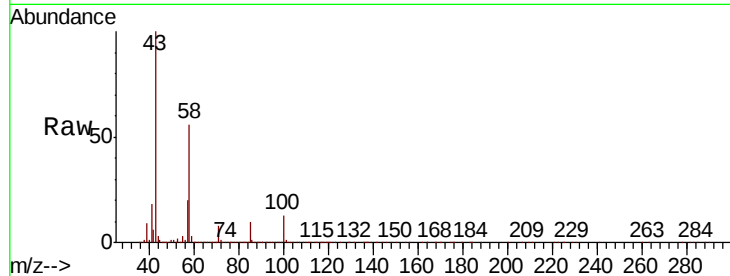




#59
2-Hexanone
Concen: 92.853 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX011750.D
Acq: 22 Aug 2019 09:43

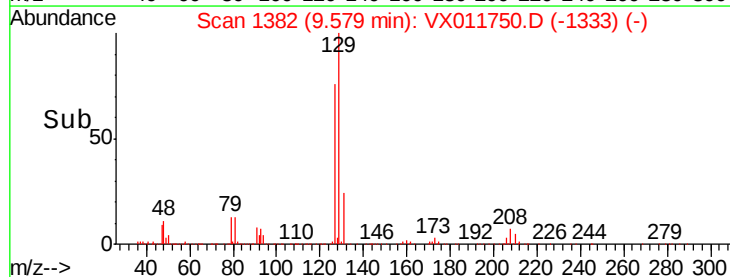
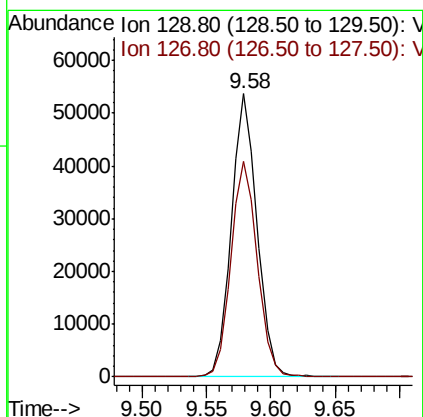
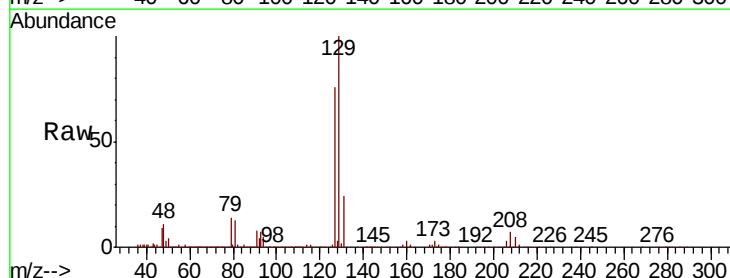
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

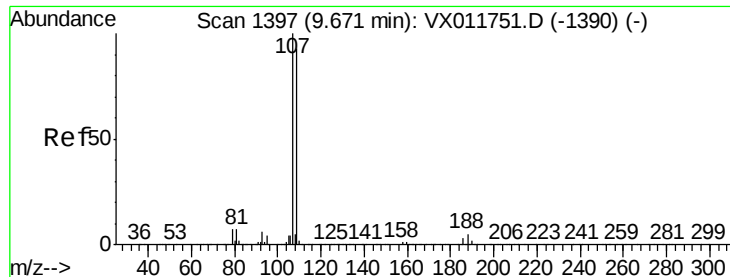
Tgt Ion: 43 Resp: 380137
Ion Ratio Lower Upper
43 100
58 56.1 27.7 83.1



#60
Dibromochloromethane
Concen: 18.632 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX011750.D
Acq: 22 Aug 2019 09:43

Tgt Ion: 129 Resp: 74286
Ion Ratio Lower Upper
129 100
127 78.8 38.3 114.8

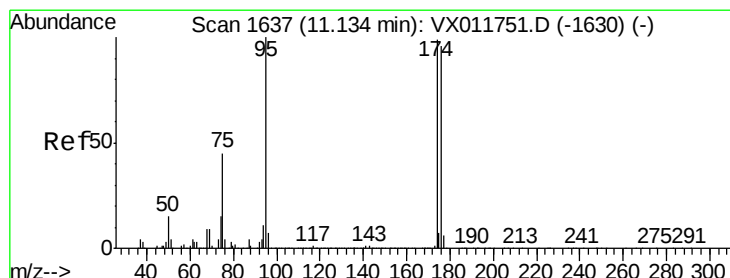
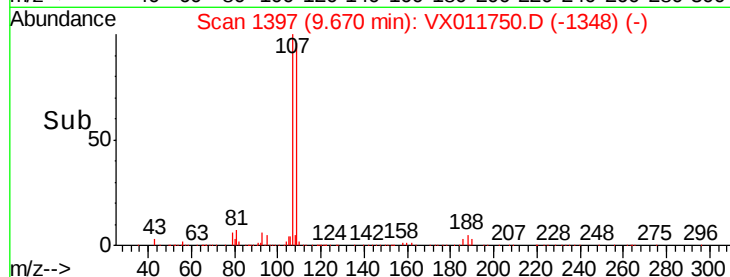
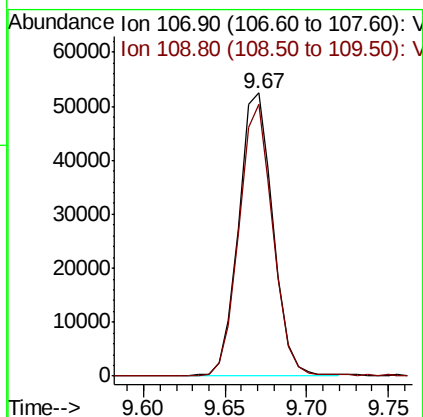
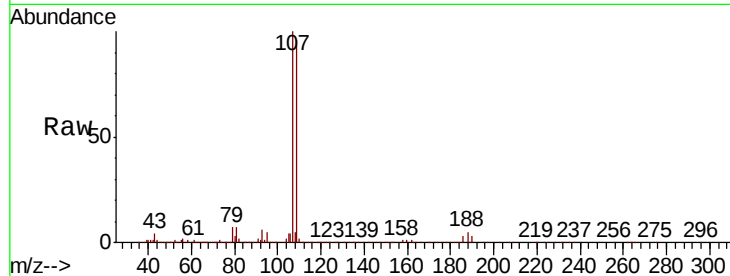




#61
 1,2-Dibromoethane
 Concen: 18.752 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: VX011750.D
 Acq: 22 Aug 2019 09:43

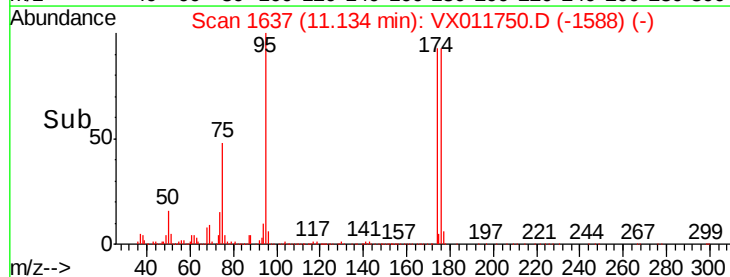
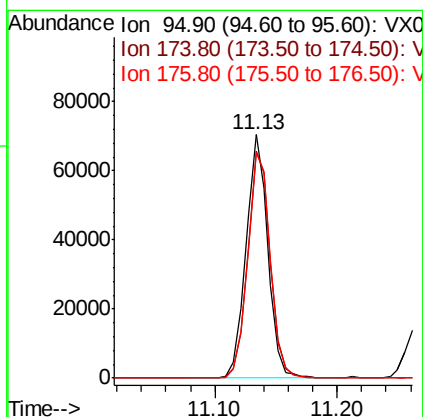
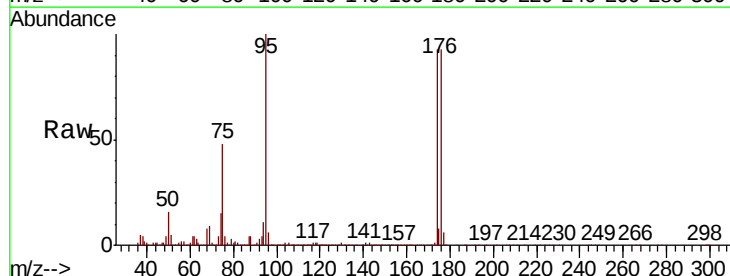
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

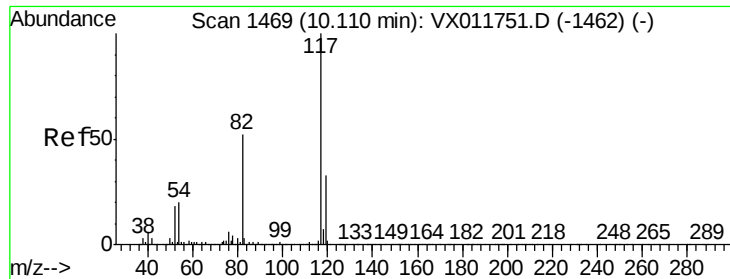
Tgt Ion: 107 Resp: 76881
 Ion Ratio Lower Upper
 107 100
 109 94.4 75.8 113.8



#62
 4-Bromofluorobenzene
 Concen: 18.241 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.00 min
 Lab File: VX011750.D
 Acq: 22 Aug 2019 09:43

Tgt Ion: 95 Resp: 86584
 Ion Ratio Lower Upper
 95 100
 174 96.9 0.0 197.4
 176 96.9 0.0 194.4

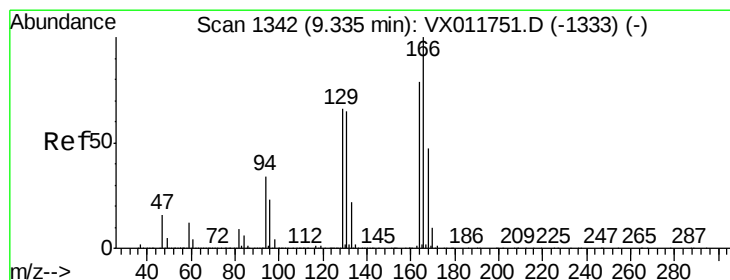
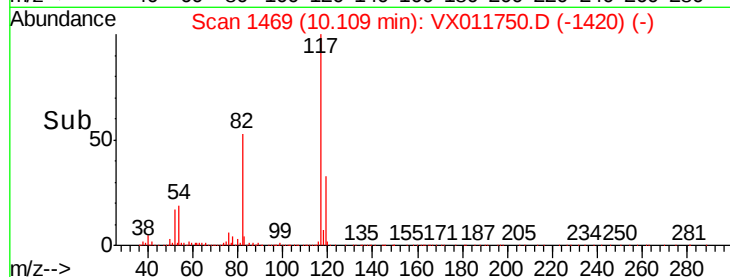
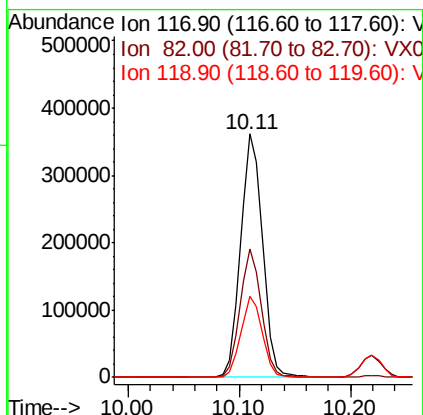
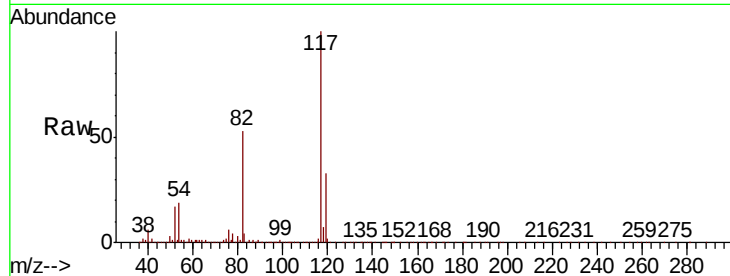




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011750.D
Acq: 22 Aug 2019 09:43

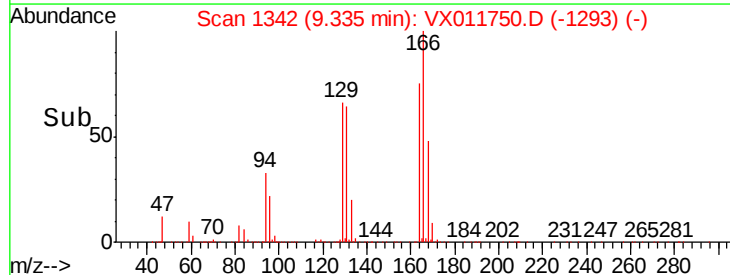
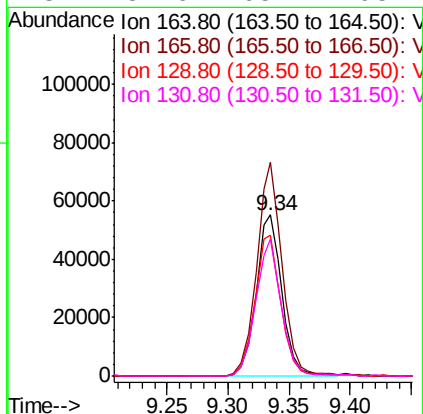
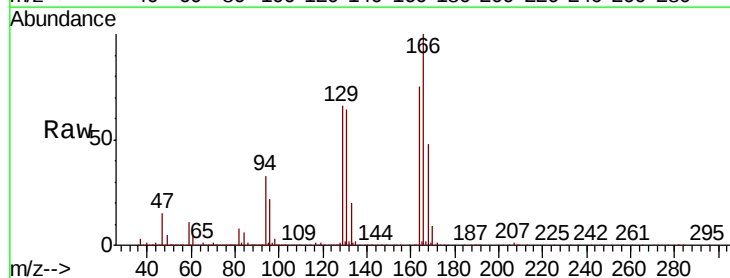
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

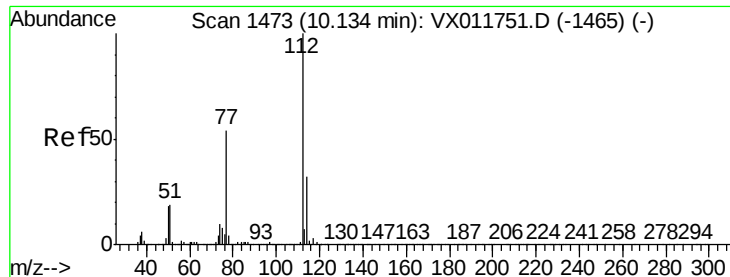
Tgt Ion:117 Resp: 493625
Ion Ratio Lower Upper
117 100
82 52.9 41.7 62.5
119 33.3 26.2 39.2



#64
Tetrachloroethene
Concen: 19.767 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX011750.D
Acq: 22 Aug 2019 09:43

Tgt Ion:164 Resp: 80648
Ion Ratio Lower Upper
164 100
166 132.9 100.7 151.1
129 87.1 66.8 100.2
131 84.6 65.4 98.2

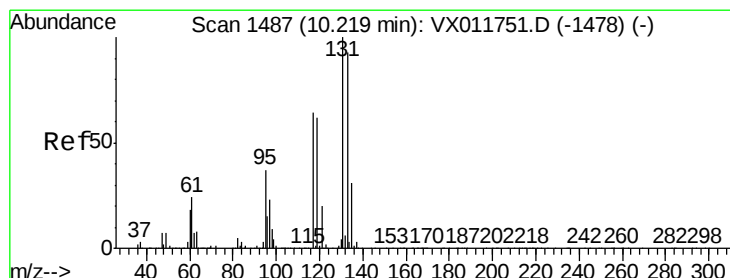
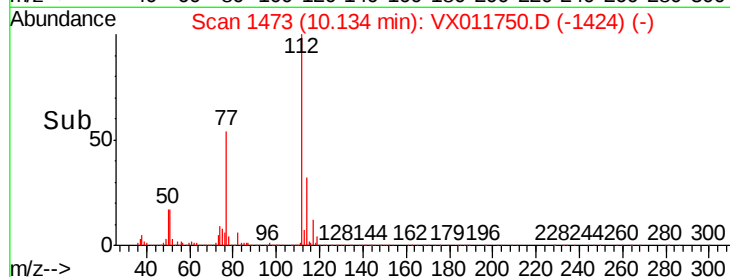
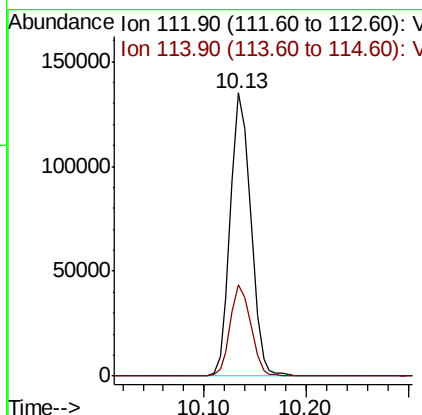
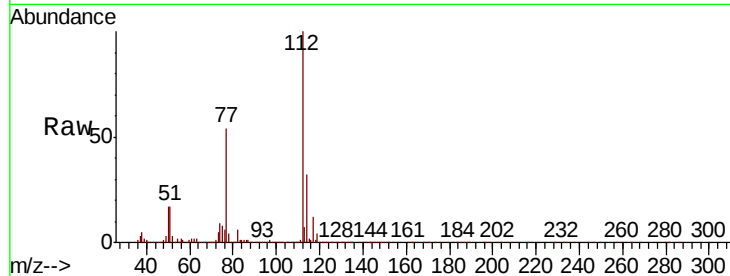




#65
Chlorobenzene
Concen: 18.147 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VX011750.D
Acq: 22 Aug 2019 09:43

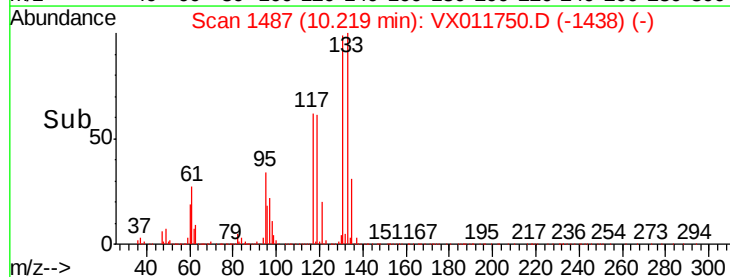
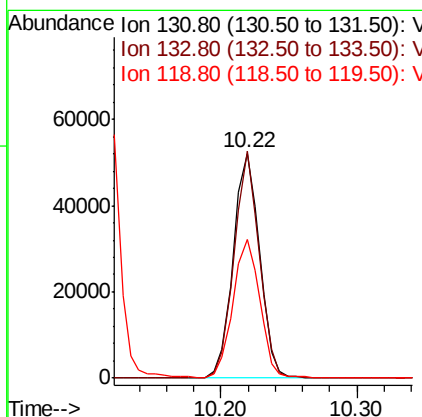
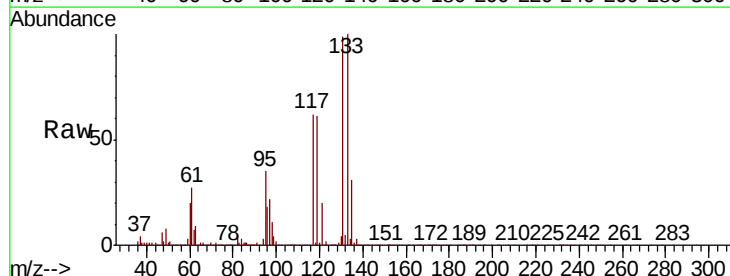
Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

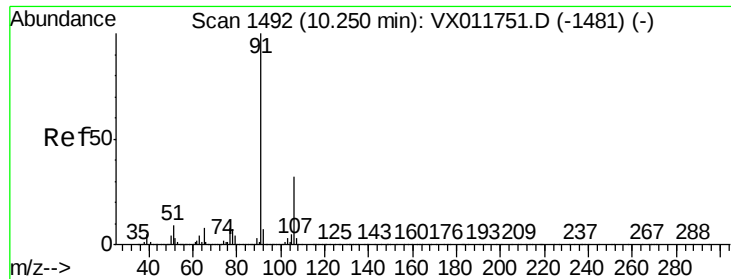
Tgt Ion:112 Resp: 188066
Ion Ratio Lower Upper
112 100
114 32.1 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 18.048 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX011750.D
Acq: 22 Aug 2019 09:43

Tgt Ion:131 Resp: 70140
Ion Ratio Lower Upper
131 100
133 97.1 47.8 143.4
119 63.4 31.3 93.8





#67

Ethyl Benzene

Concen: 18.058 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX011750.D

Acq: 22 Aug 2019 09:43

Instrument :

MSVOA_X

ClientSampleId :

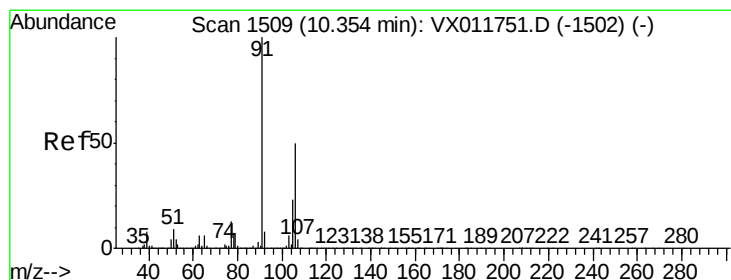
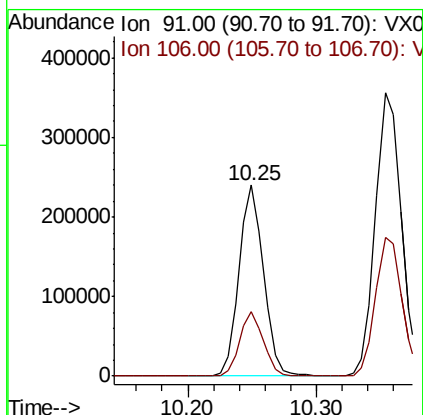
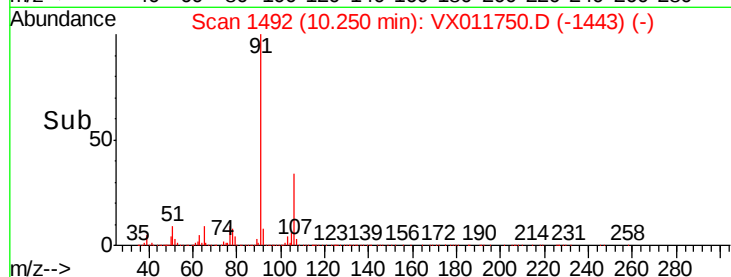
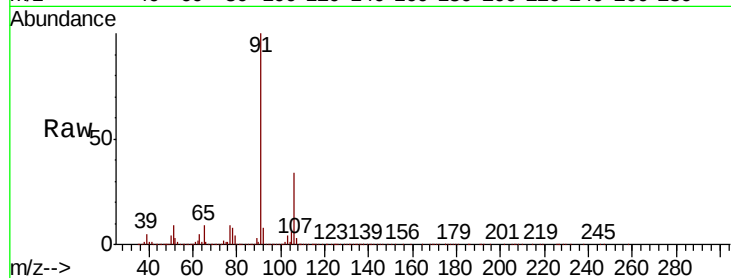
VSTDIC020

Tgt Ion: 91 Resp: 315240

Ion Ratio Lower Upper

91 100

106 33.7 25.5 38.3



#68

m/p-Xylenes

Concen: 36.822 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.00 min

Lab File: VX011750.D

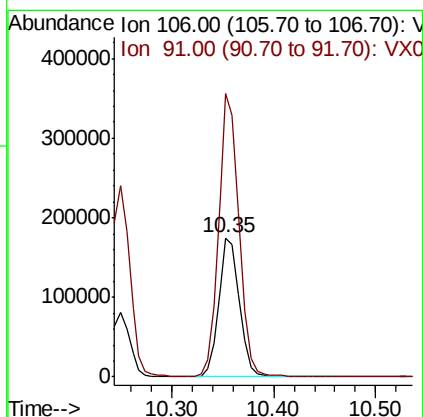
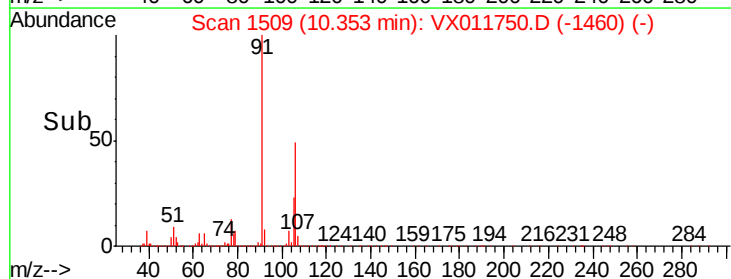
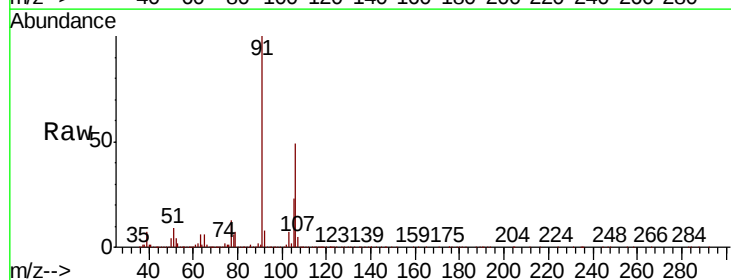
Acq: 22 Aug 2019 09:43

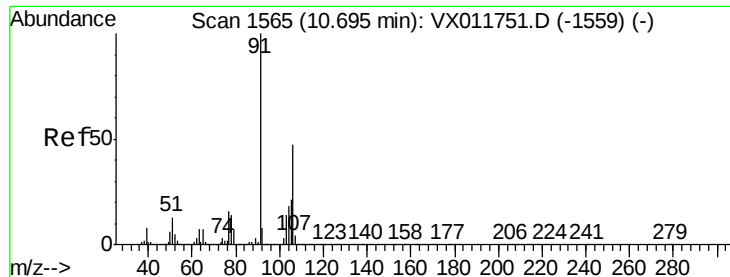
Tgt Ion: 106 Resp: 246917

Ion Ratio Lower Upper

106 100

91 201.0 158.3 237.5

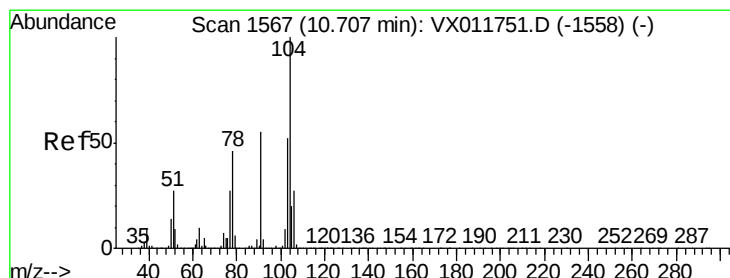
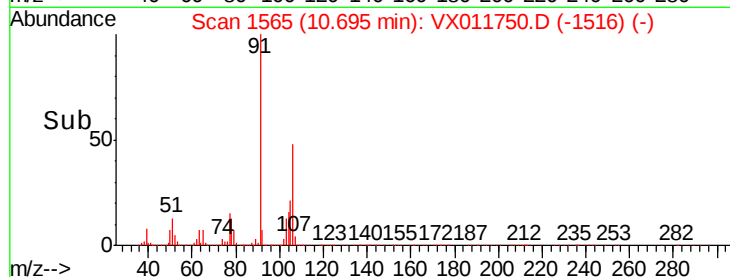
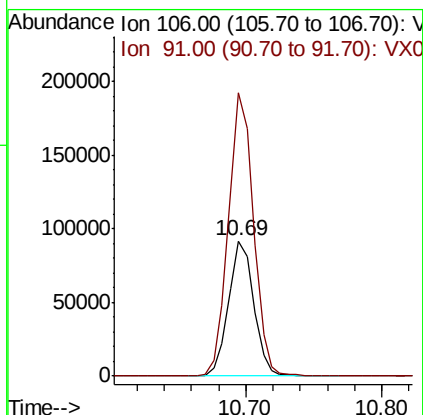
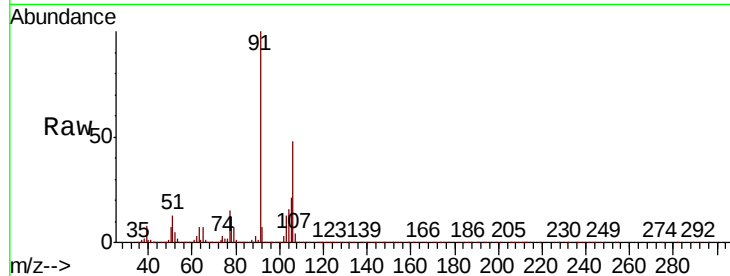




#69
o-Xylene
Concen: 17.940 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX011750.D
Acq: 22 Aug 2019 09:43

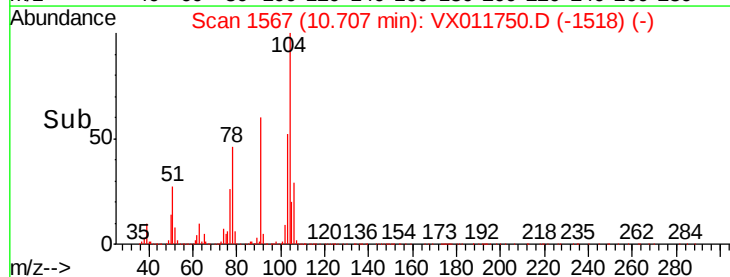
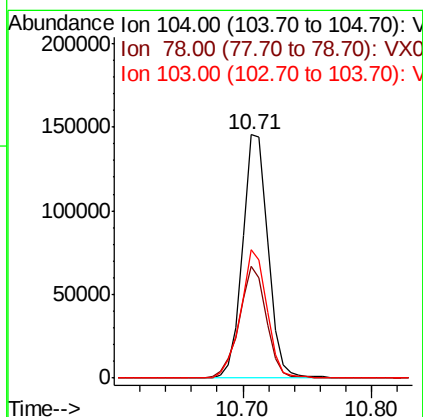
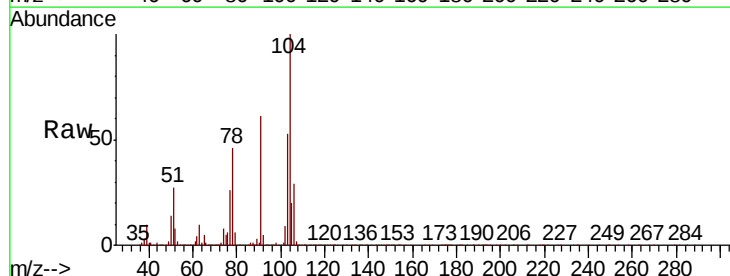
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

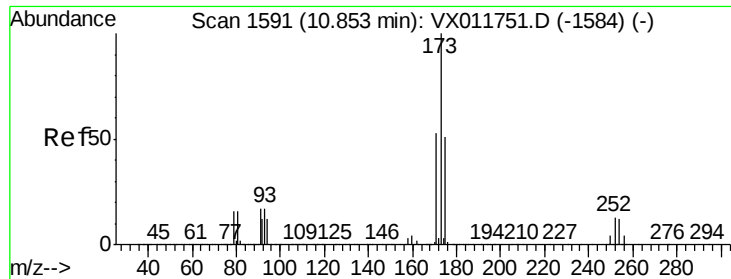
Tgt Ion:106 Resp: 117932
Ion Ratio Lower Upper
106 100
91 209.7 105.0 314.9



#70
Styrene
Concen: 17.949 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX011750.D
Acq: 22 Aug 2019 09:43

Tgt Ion:104 Resp: 197591
Ion Ratio Lower Upper
104 100
78 48.5 39.2 58.8
103 54.8 44.5 66.7





#71

Bromoform

Concen: 17.574 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX011750.D

Acq: 22 Aug 2019 09:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

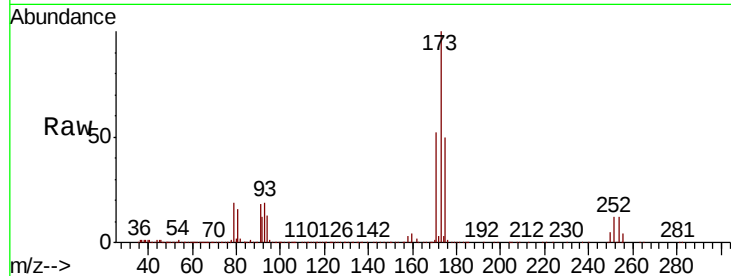
Tgt Ion:173 Resp: 57966

Ion Ratio Lower Upper

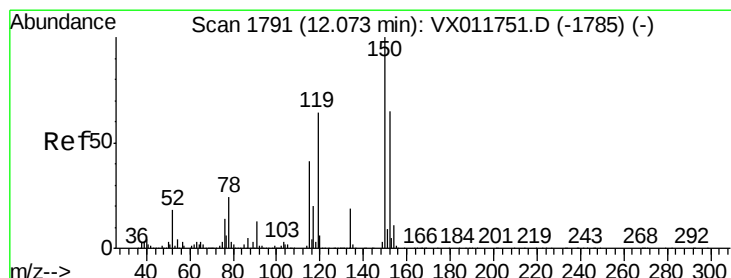
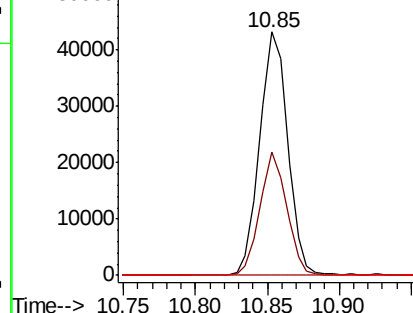
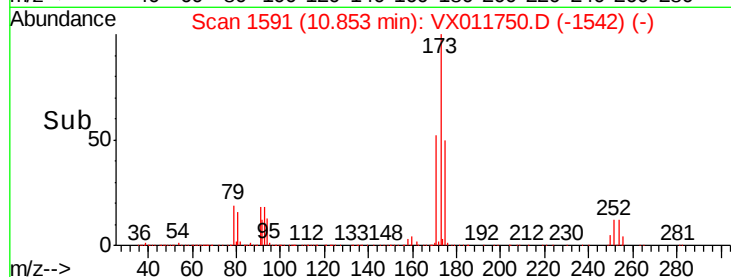
173 100

175 48.7 25.1 75.3

254 0.2 0.2 0.4#



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# 1791

Delta R.T. -0.00 min

Lab File: VX011750.D

Acq: 22 Aug 2019 09:43

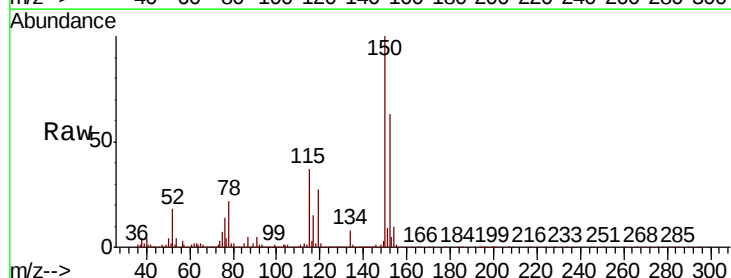
Tgt Ion:152 Resp: 258147

Ion Ratio Lower Upper

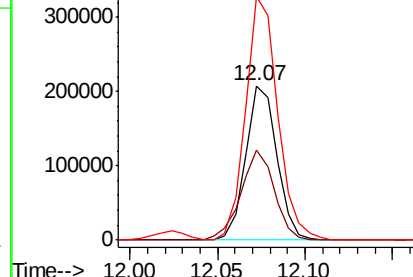
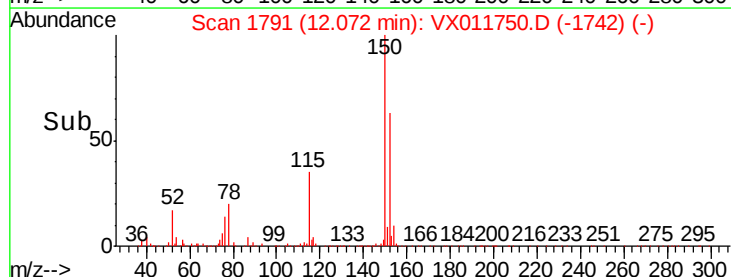
152 100

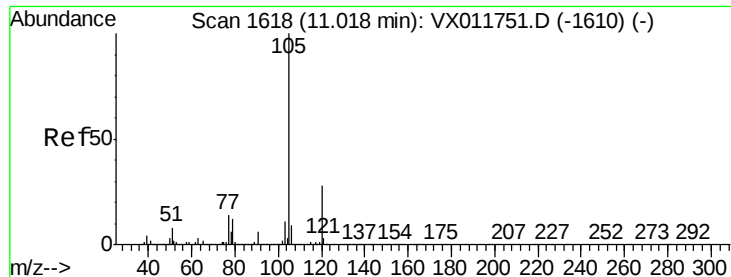
115 62.1 37.3 111.8

150 162.6 0.0 343.0



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





#73

Isopropylbenzene

Concen: 19.690 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX011750.D

Acq: 22 Aug 2019 09:43

Instrument :

MSVOA_X

ClientSampleId :

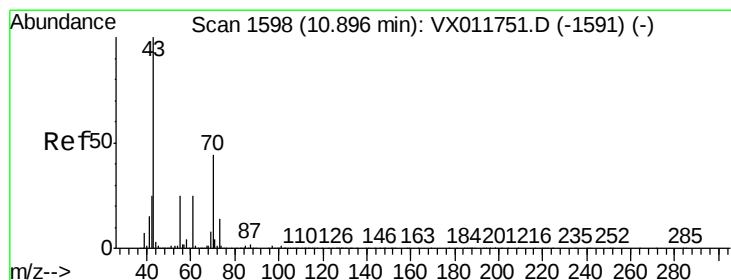
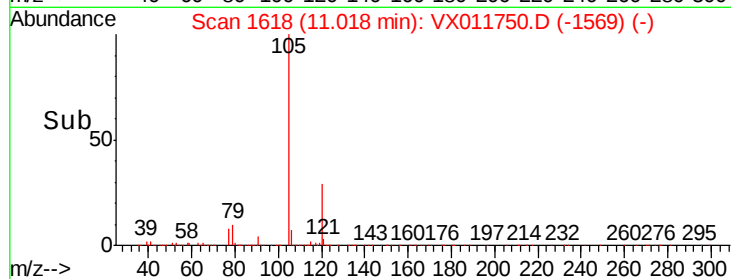
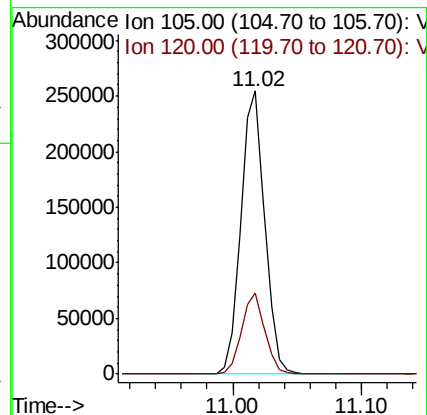
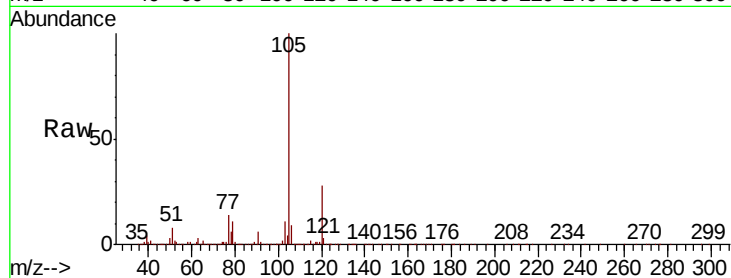
VSTDIC020

Tgt Ion: 105 Resp: 326001

Ion Ratio Lower Upper

105 100

120 27.9 13.9 41.7



#74

N-ethyl acetate

Concen: 18.075 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX011750.D

Acq: 22 Aug 2019 09:43

Tgt Ion: 43 Resp: 125541

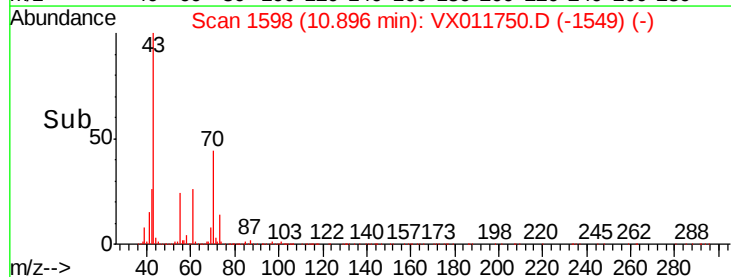
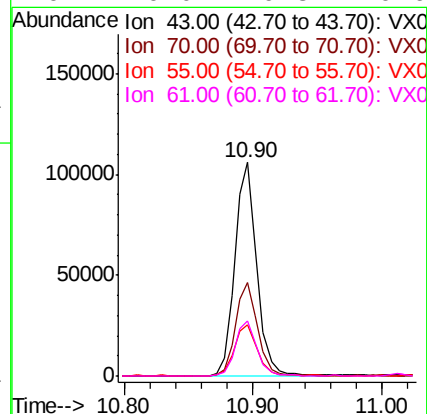
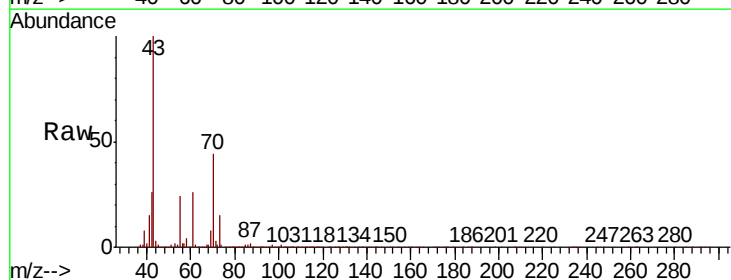
Ion Ratio Lower Upper

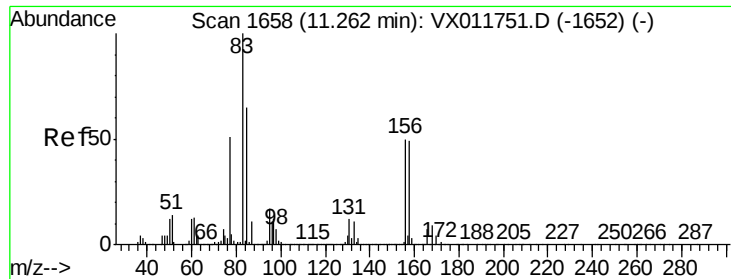
43 100

70 44.3 34.8 52.2

55 25.1 19.5 29.3

61 26.0 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 18.594 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.00 min

Lab File: VX011750.D

Acq: 22 Aug 2019 09:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

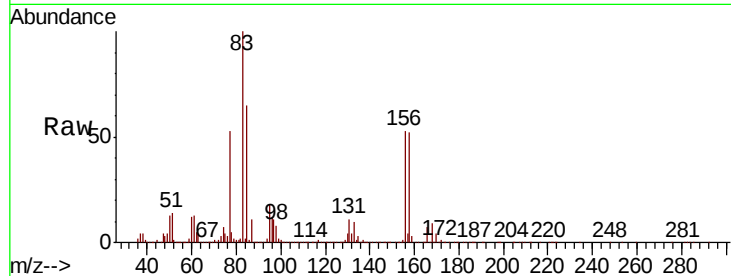
Tgt Ion: 83 Resp: 104741

Ion Ratio Lower Upper

83 100

131 11.8 6.1 18.3

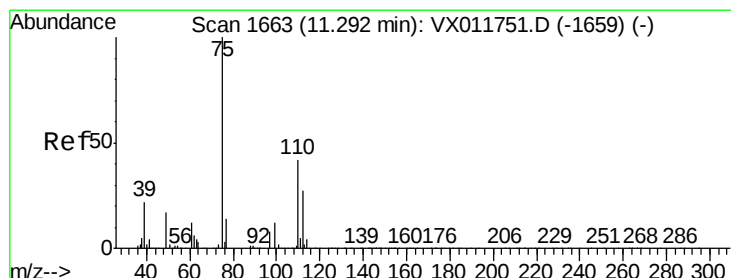
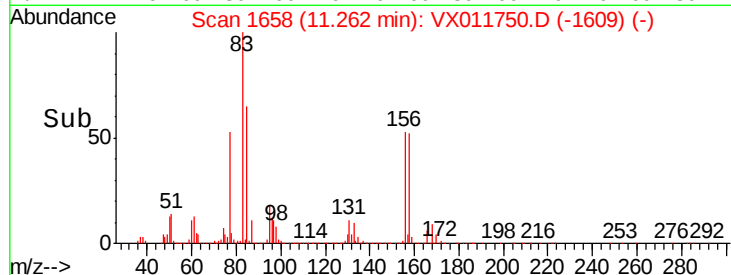
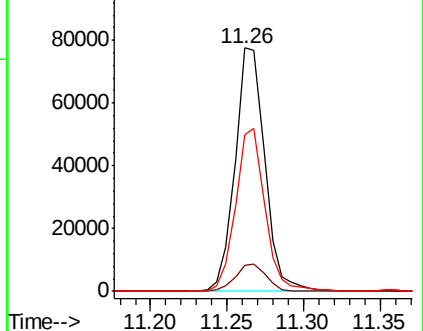
85 65.7 32.4 97.0



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: 24.017 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX011750.D

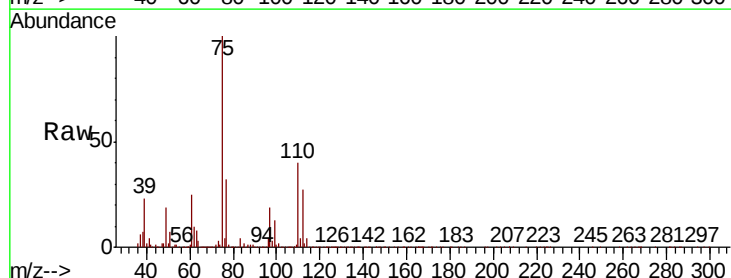
Acq: 22 Aug 2019 09:43

Tgt Ion: 75 Resp: 115546

Ion Ratio Lower Upper

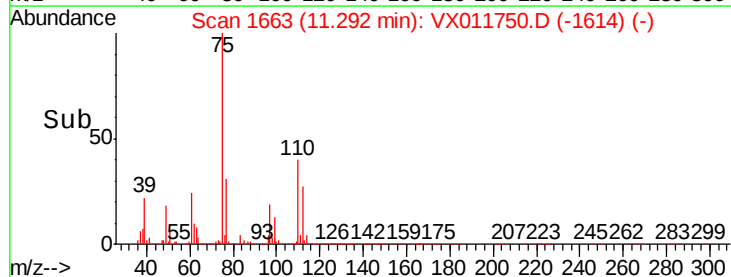
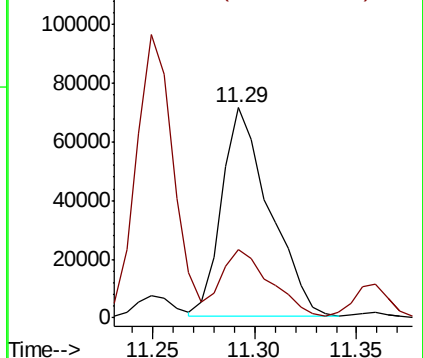
75 100

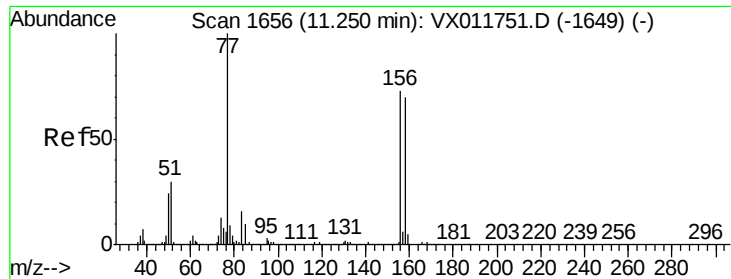
77 33.7 21.1 63.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 19.173 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.01 min

Lab File: VX011750.D

Acq: 22 Aug 2019 09:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

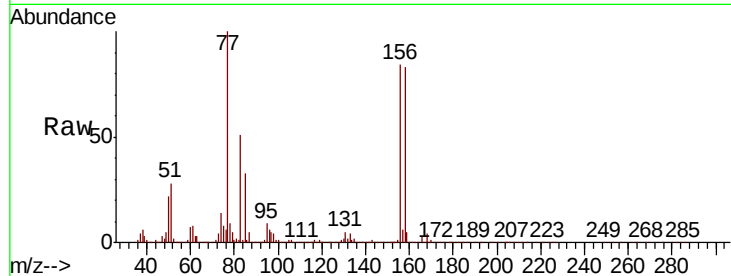
Tgt Ion:156 Resp: 93922

Ion Ratio Lower Upper

156 100

77 129.5 65.3 196.0

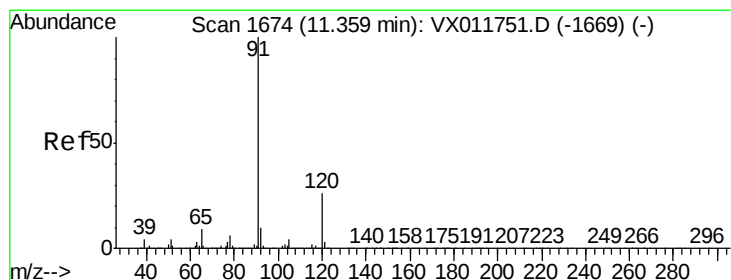
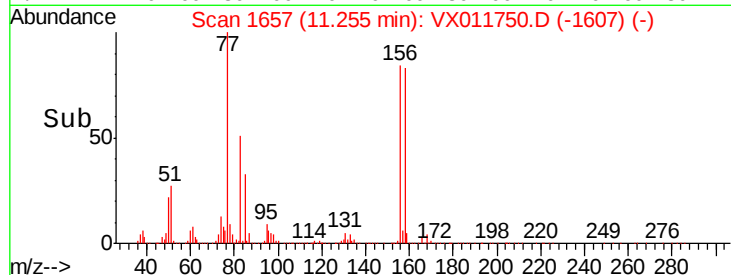
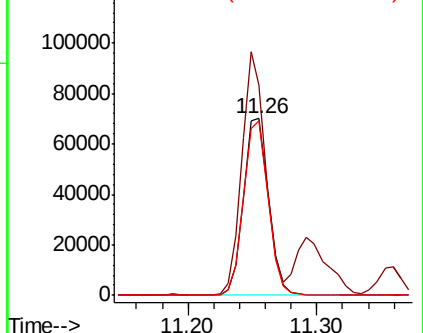
158 97.4 48.4 145.0



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: 19.643 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX011750.D

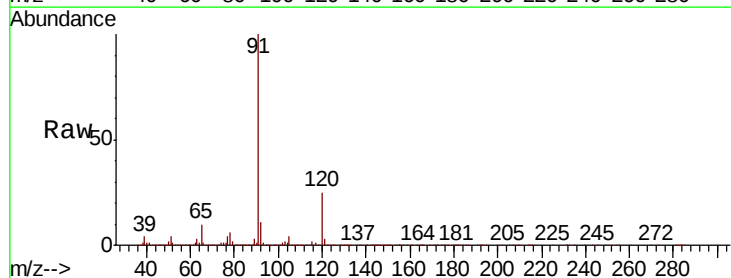
Acq: 22 Aug 2019 09:43

Tgt Ion: 91 Resp: 350619

Ion Ratio Lower Upper

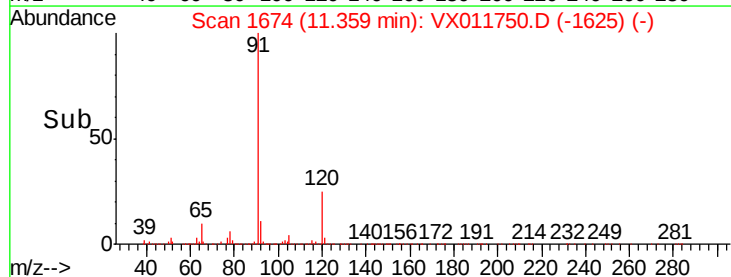
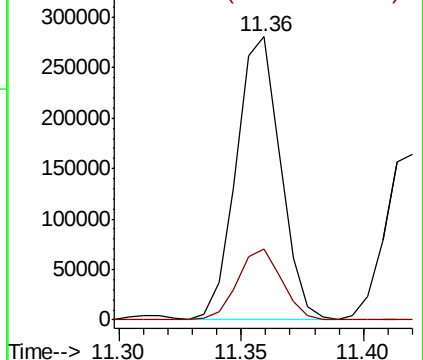
91 100

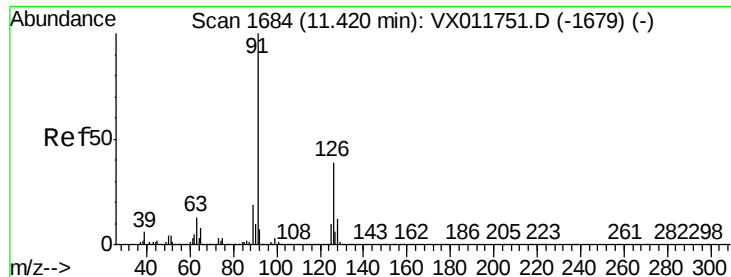
120 25.0 12.7 38.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.096 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX011750.D

Acq: 22 Aug 2019 09:43

Instrument :

MSVOA_X

ClientSampleId :

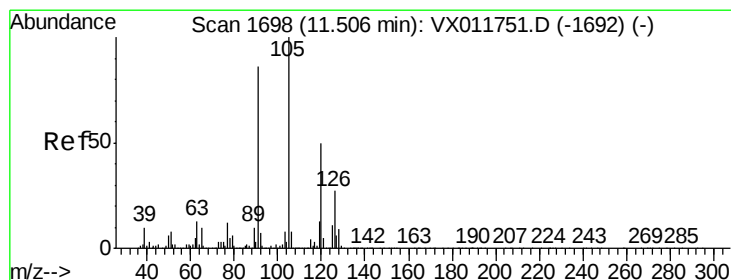
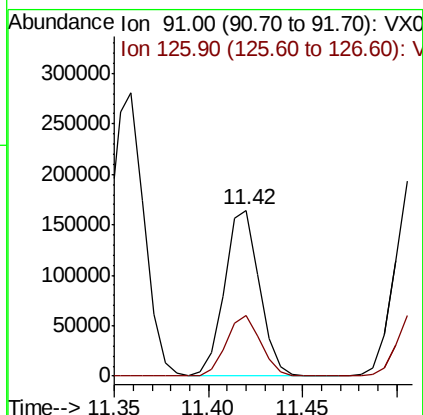
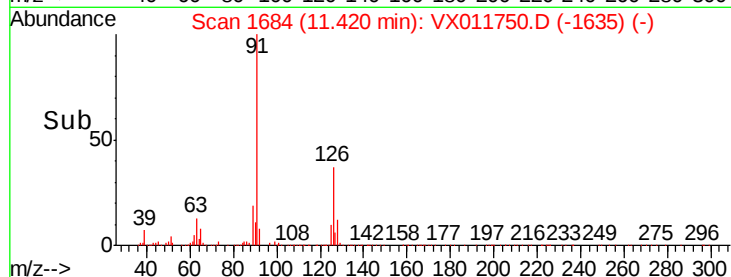
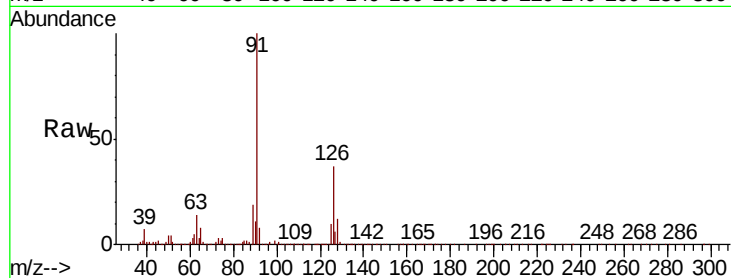
VSTDIC020

Tgt Ion: 91 Resp: 209056

Ion Ratio Lower Upper

91 100

126 36.7 18.6 55.6



#80

1,3,5-Trimethylbenzene

Concen: 19.426 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX011750.D

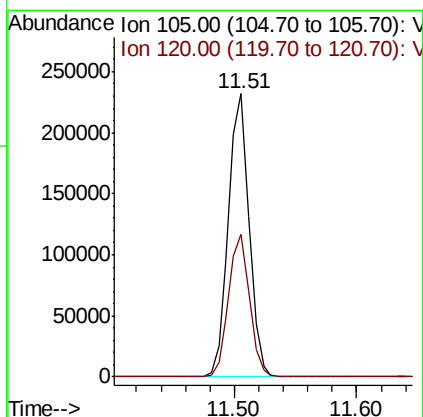
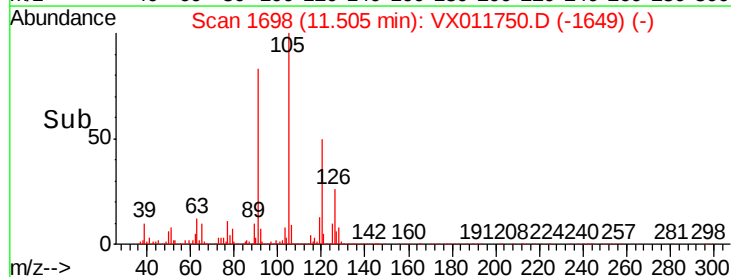
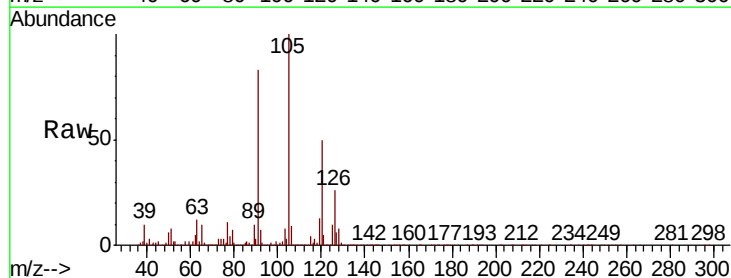
Acq: 22 Aug 2019 09:43

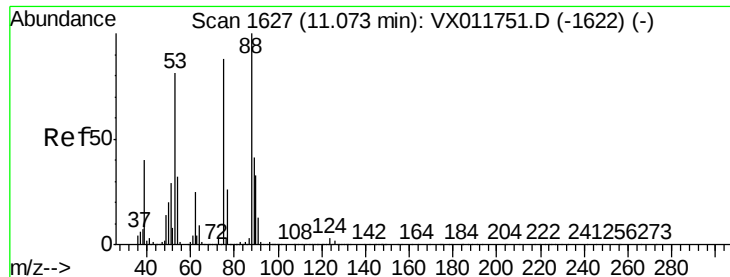
Tgt Ion: 105 Resp: 270200

Ion Ratio Lower Upper

105 100

120 50.6 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 16.785 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX011750.D

Acq: 22 Aug 2019 09:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

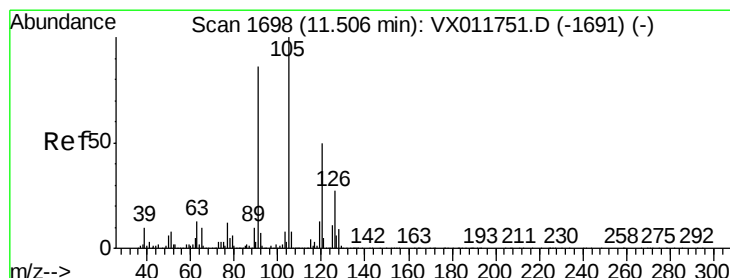
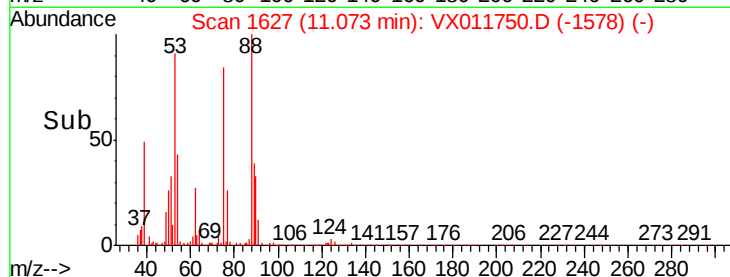
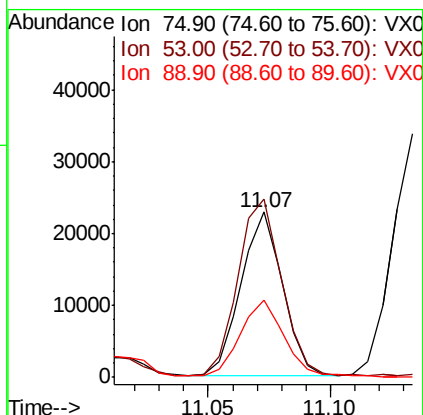
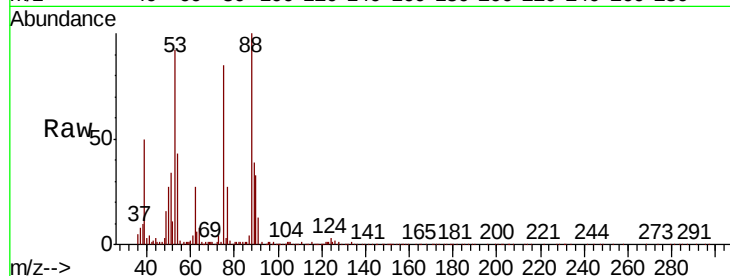
Tgt Ion: 75 Resp: 27213

Ion Ratio Lower Upper

75 100

53 113.1 77.1 115.7

89 50.8 38.5 57.7



#82

4-Chlorotoluene

Concen: 19.213 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX011750.D

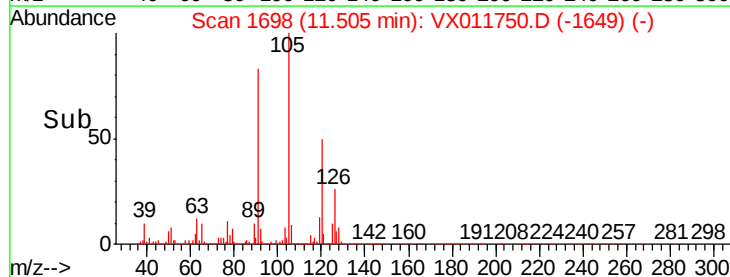
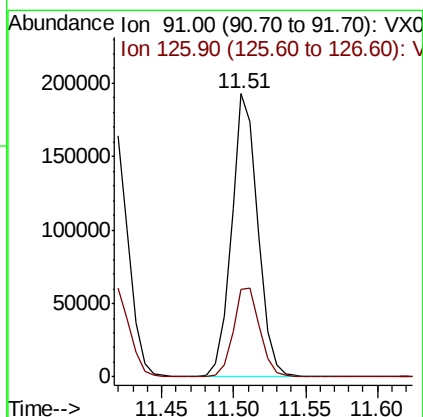
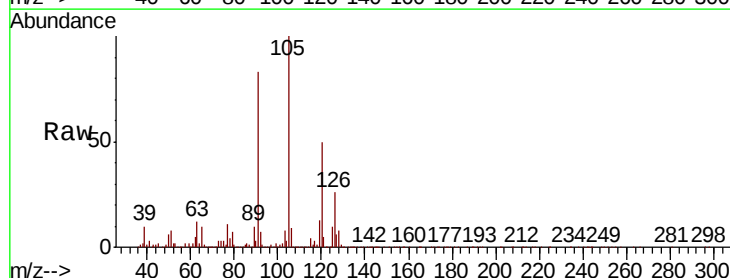
Acq: 22 Aug 2019 09:43

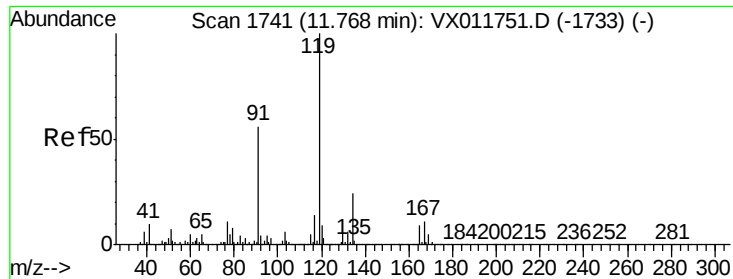
Tgt Ion: 91 Resp: 244271

Ion Ratio Lower Upper

91 100

126 31.8 16.2 48.6

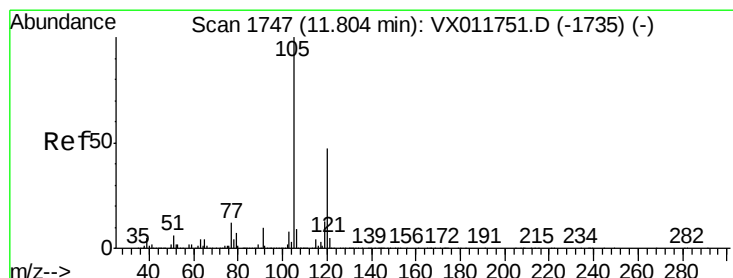
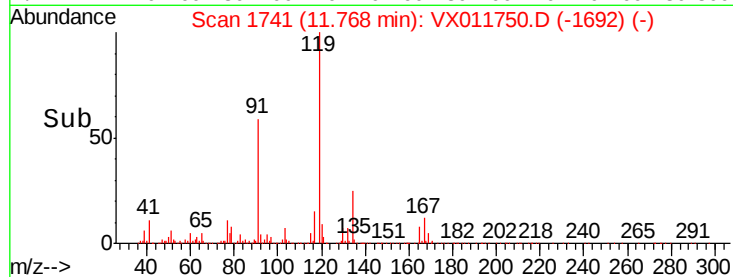
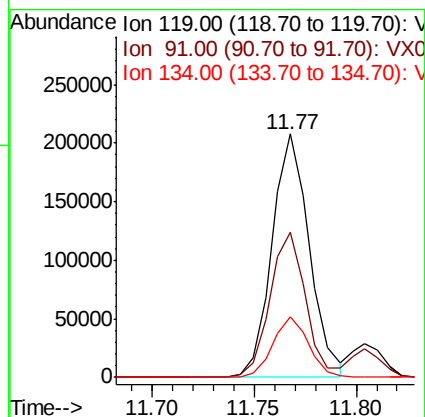
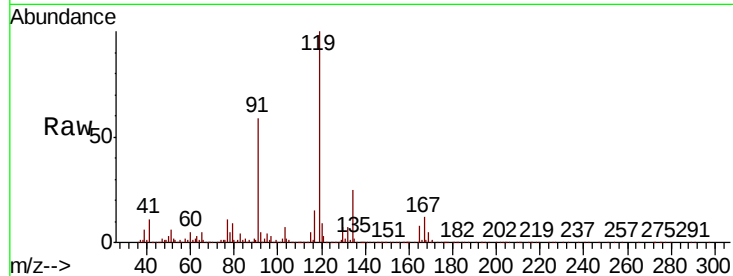




#83
tert-Butylbenzene
Concen: 18.732 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX011750.D
Acq: 22 Aug 2019 09:43

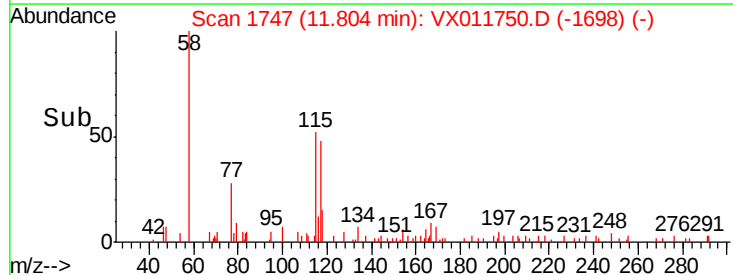
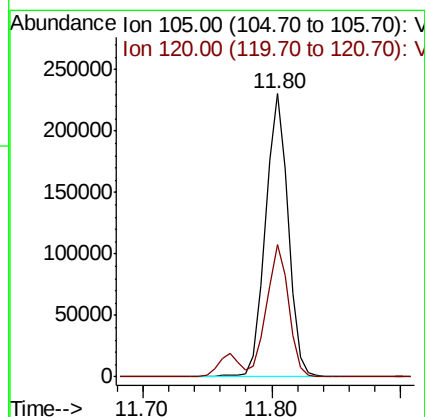
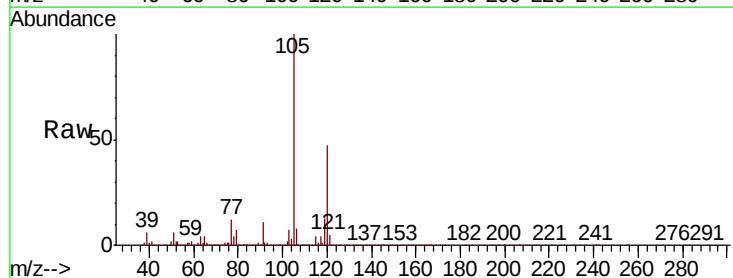
Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

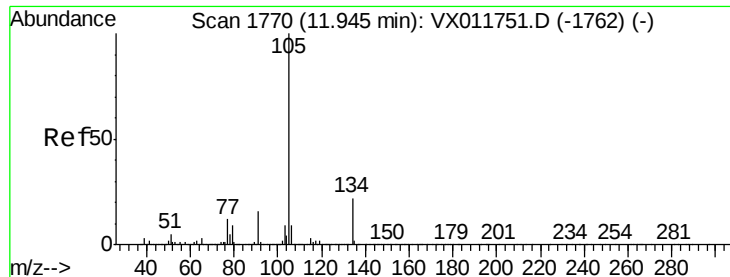
Tgt Ion:119 Resp: 264397
Ion Ratio Lower Upper
119 100
91 57.4 27.7 83.1
134 24.0 11.8 35.3



#84
1,2,4-Trimethylbenzene
Concen: 19.924 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX011750.D
Acq: 22 Aug 2019 09:43

Tgt Ion:105 Resp: 277842
Ion Ratio Lower Upper
105 100
120 45.8 23.7 71.1





#85

sec-Butylbenzene

Concen: 19.036 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX011750.D

Acq: 22 Aug 2019 09:43

Instrument :

MSVOA_X

ClientSampleId :

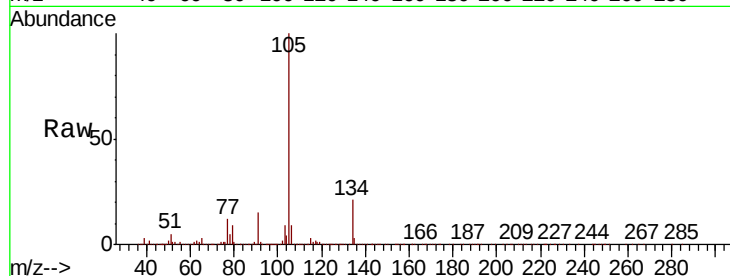
VSTDIC020

Tgt Ion:105 Resp: 301987

Ion Ratio Lower Upper

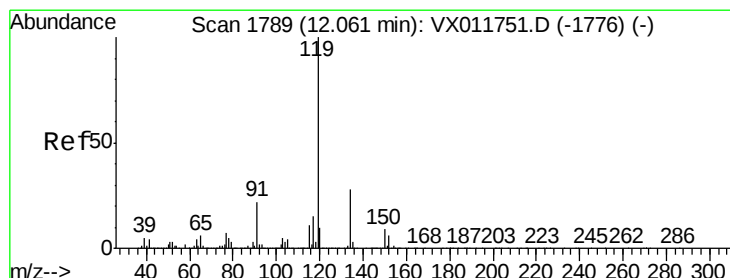
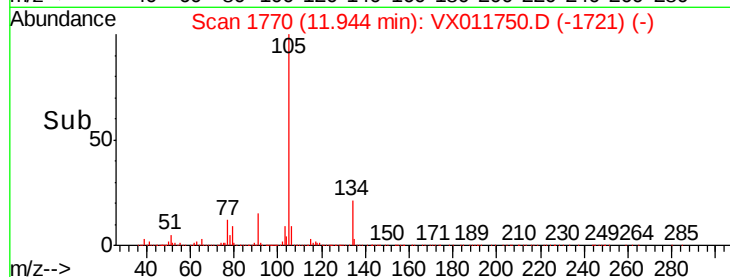
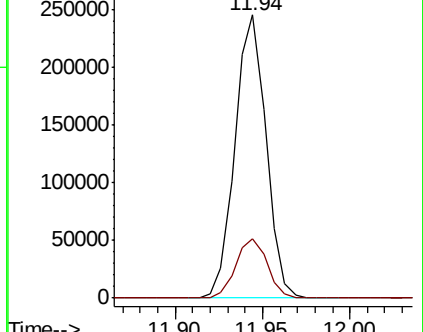
105 100

134 21.4 10.8 32.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.483 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX011750.D

Acq: 22 Aug 2019 09:43

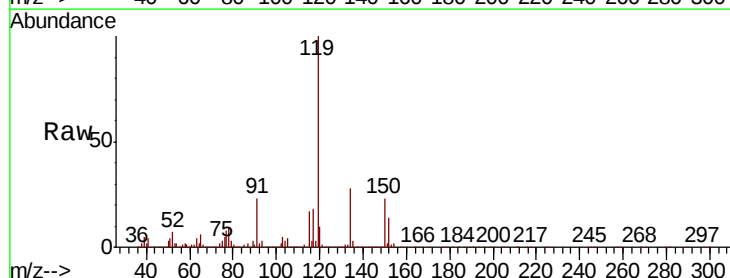
Tgt Ion:119 Resp: 292350

Ion Ratio Lower Upper

119 100

134 27.5 13.7 41.0

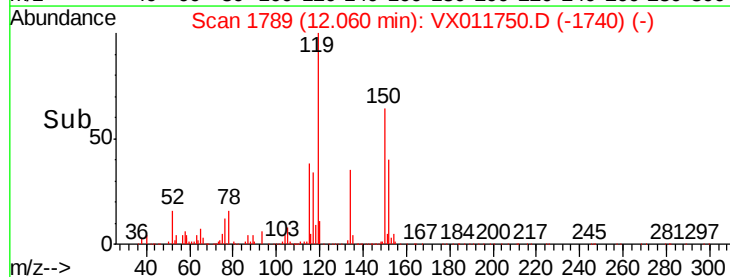
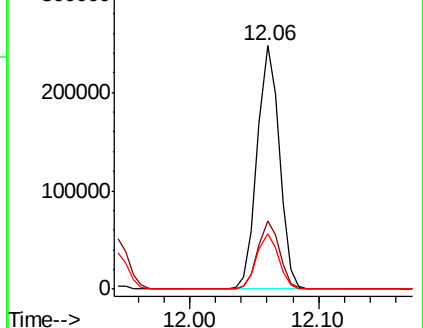
91 22.7 11.1 33.3

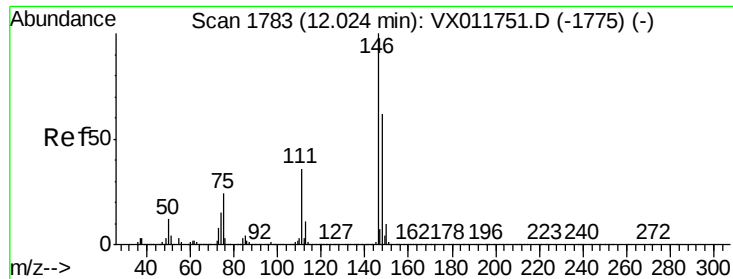


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 18.806 ug/l

RT: 12.02 min Scan# 1783

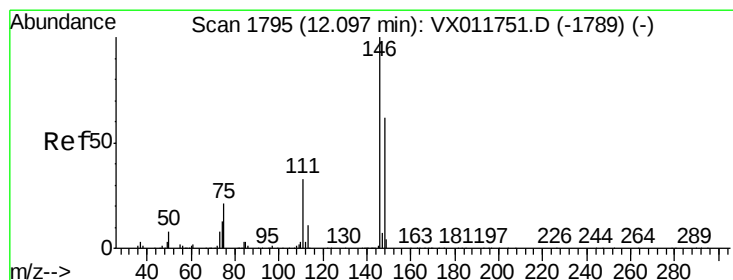
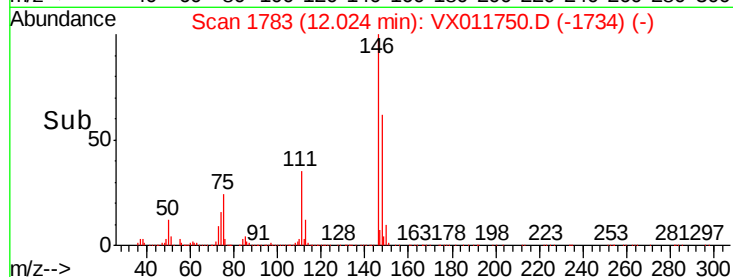
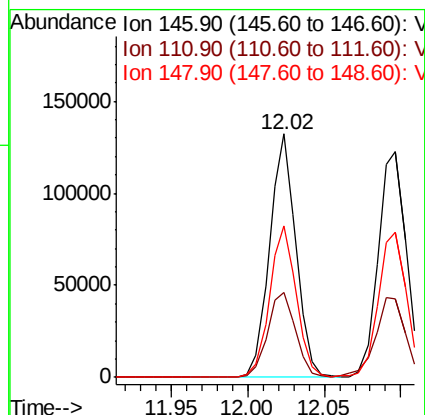
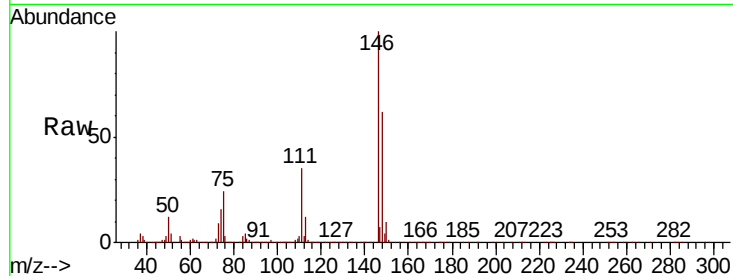
Delta R.T. -0.00 min

Lab File: VX011750.D

Acq: 22 Aug 2019 09:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.1	54.4
148	62.9	31.6	94.7



#88

1,4-Dichlorobenzene

Concen: 18.340 ug/l

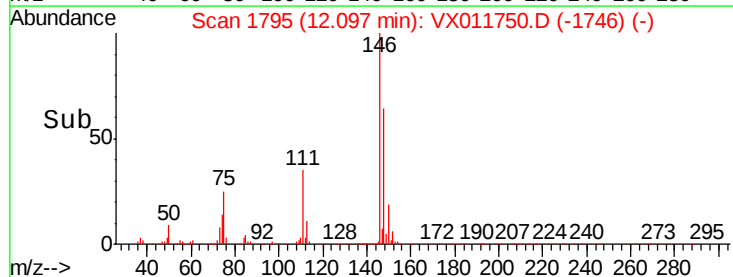
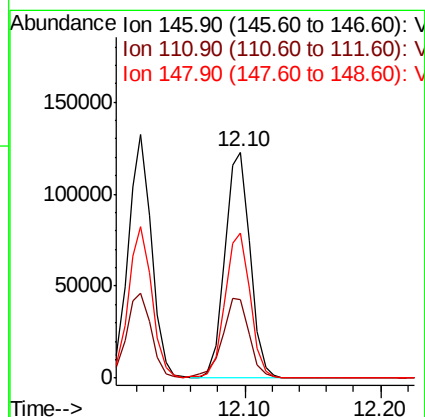
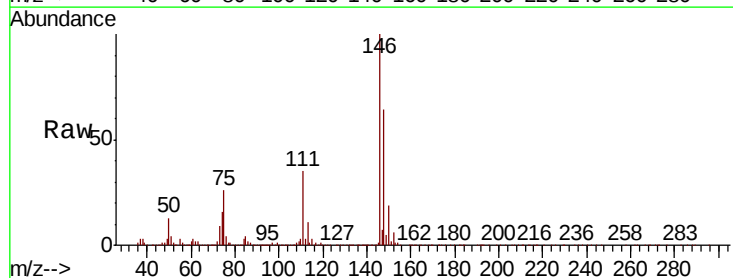
RT: 12.10 min Scan# 1795

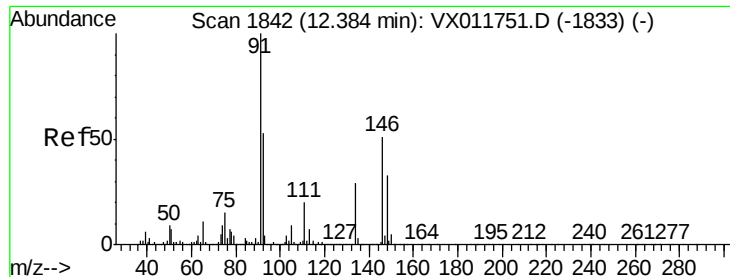
Delta R.T. -0.00 min

Lab File: VX011750.D

Acq: 22 Aug 2019 09:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	17.8	53.4
148	64.0	31.9	95.7

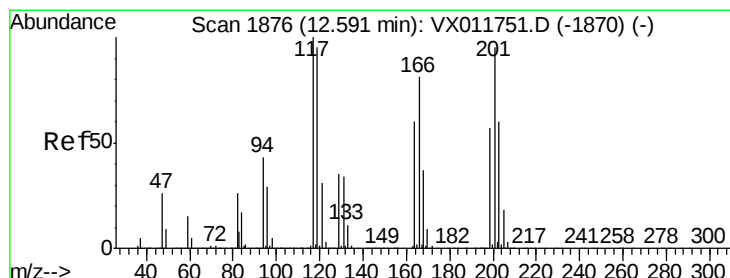
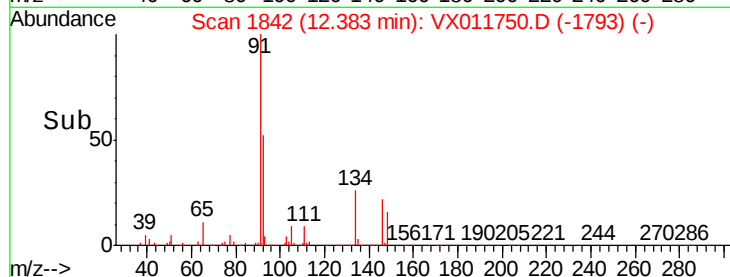
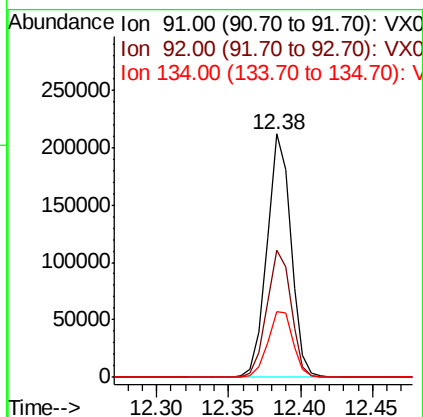
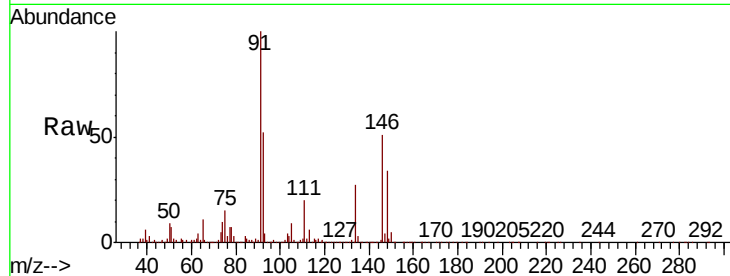




#89
n-Butylbenzene
Concen: 19.644 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX011750.D
Acq: 22 Aug 2019 09:43

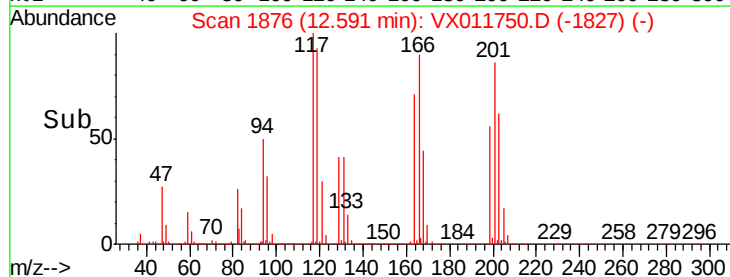
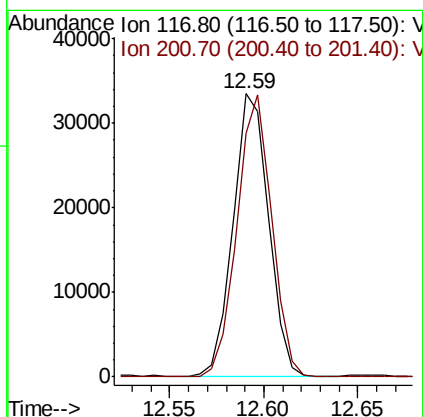
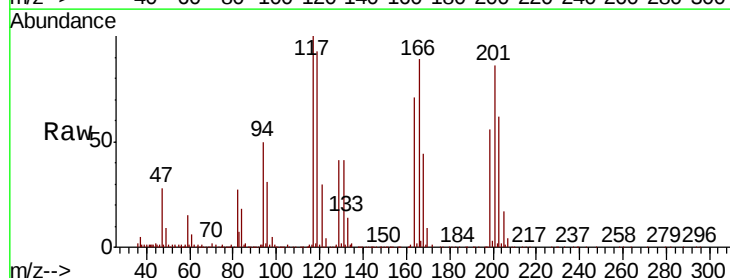
Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

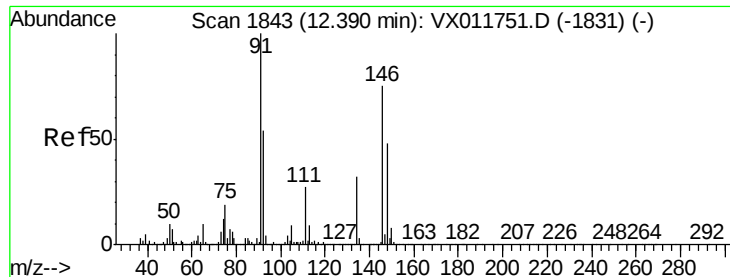
Tgt Ion: 91 Resp: 242670
Ion Ratio Lower Upper
91 100
92 53.0 26.7 80.0
134 28.4 14.6 43.8



#90
Hexachloroethane
Concen: 18.490 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.00 min
Lab File: VX011750.D
Acq: 22 Aug 2019 09:43

Tgt Ion: 117 Resp: 43861
Ion Ratio Lower Upper
117 100
201 97.1 49.6 149.0





#91

1,2-Dichlorobenzene

Concen: 19.213 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX011750.D

Acq: 22 Aug 2019 09:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

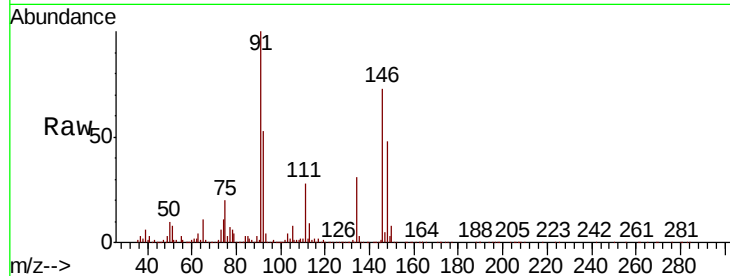
Tgt Ion:146 Resp: 162952

Ion Ratio Lower Upper

146 100

111 38.1 18.8 56.4

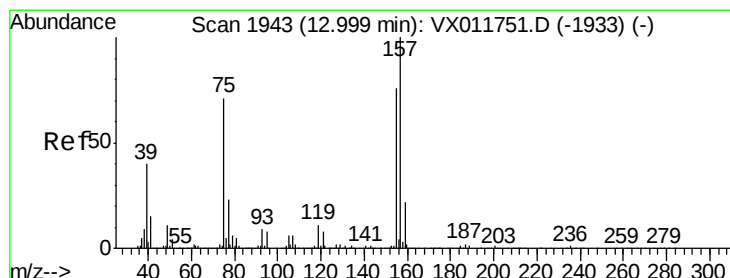
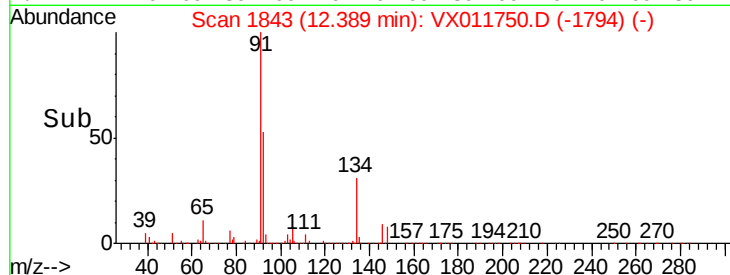
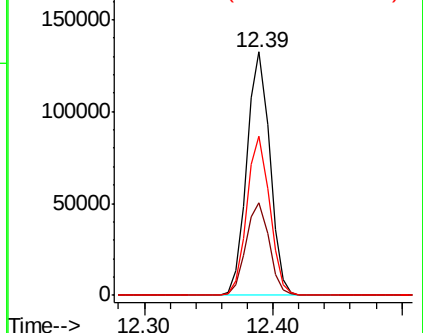
148 64.6 31.6 95.0



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.964 ug/l

RT: 12.99 min Scan# 1942

Delta R.T. -0.01 min

Lab File: VX011750.D

Acq: 22 Aug 2019 09:43

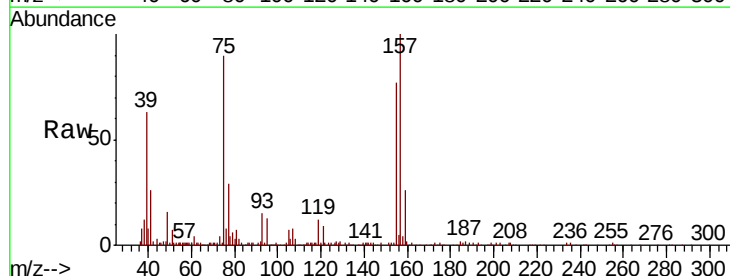
Tgt Ion: 75 Resp: 23354

Ion Ratio Lower Upper

75 100

155 101.7 52.6 157.9

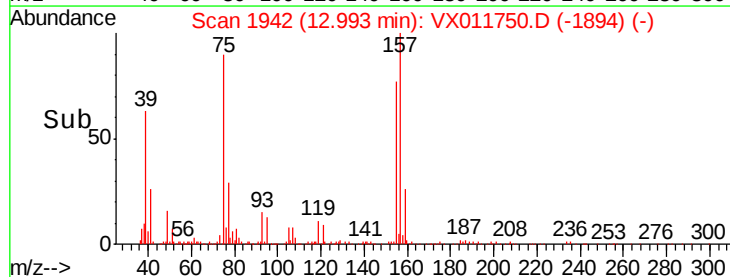
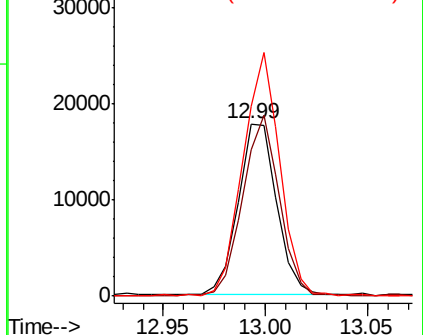
157 137.1 68.3 204.9

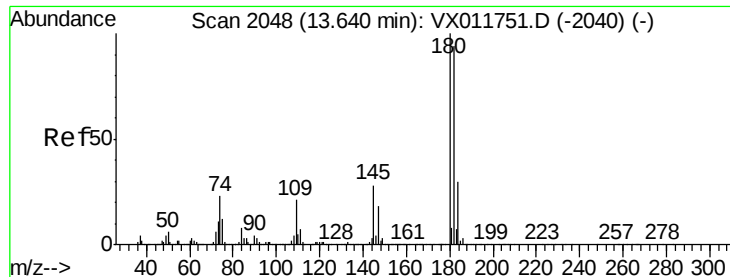


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

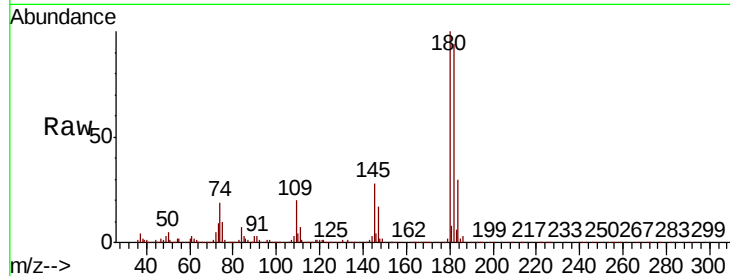




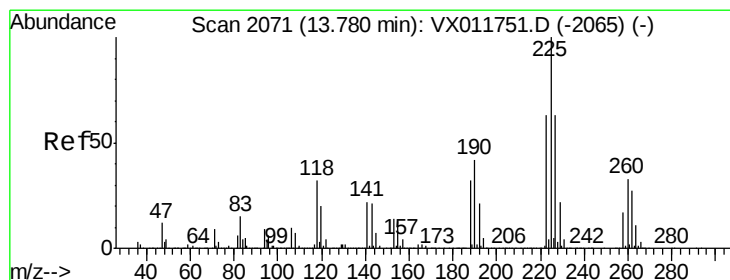
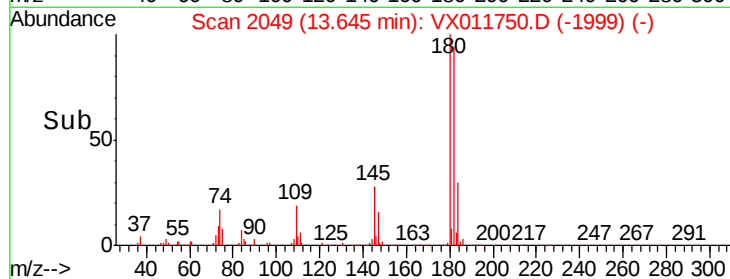
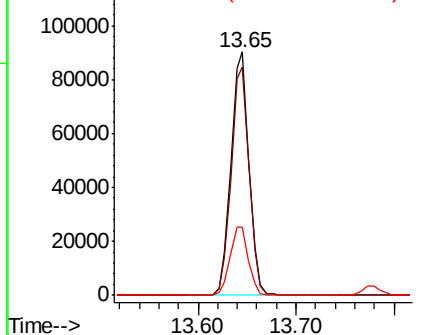
#93
 1,2,4-Trichlorobenzene
 Concen: 18.123 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.01 min
 Lab File: VX011750.D
 Acq: 22 Aug 2019 09:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tgt Ion:180 Resp: 114530
 Ion Ratio Lower Upper
 180 100
 182 94.2 47.8 143.4
 145 28.9 14.1 42.3

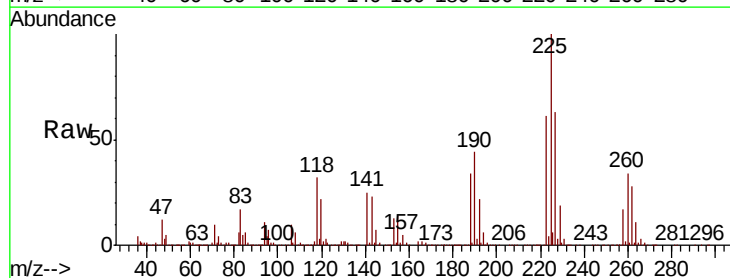


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

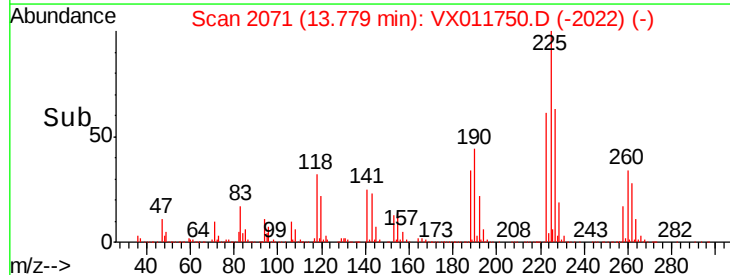
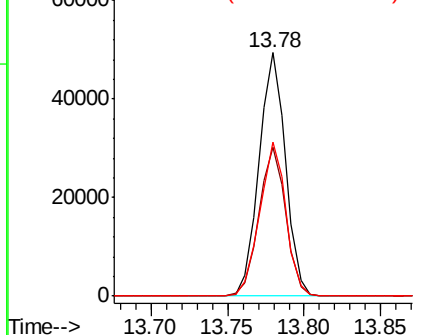


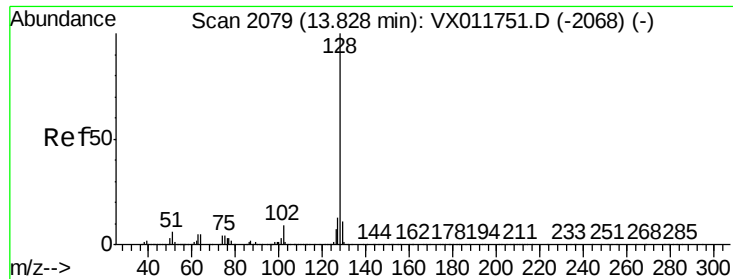
#94
 Hexachlorobutadiene
 Concen: 17.625 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX011750.D
 Acq: 22 Aug 2019 09:43

Tgt Ion:225 Resp: 59921
 Ion Ratio Lower Upper
 225 100
 223 61.8 31.0 93.0
 227 62.7 31.8 95.3



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

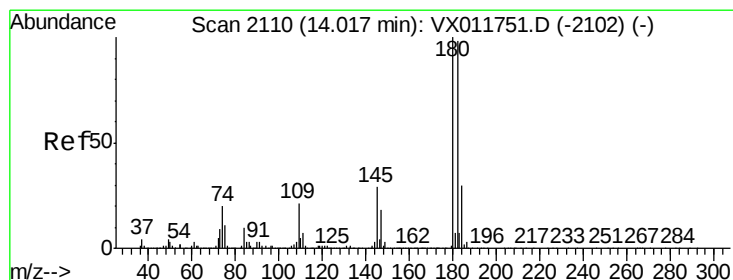
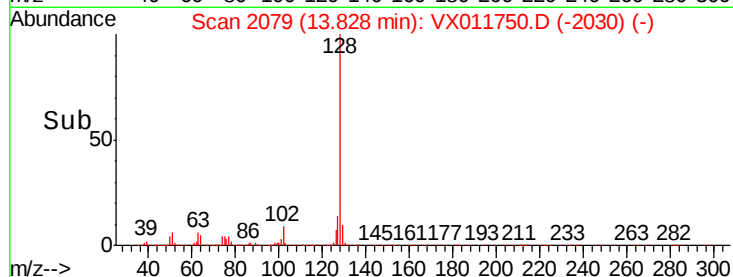
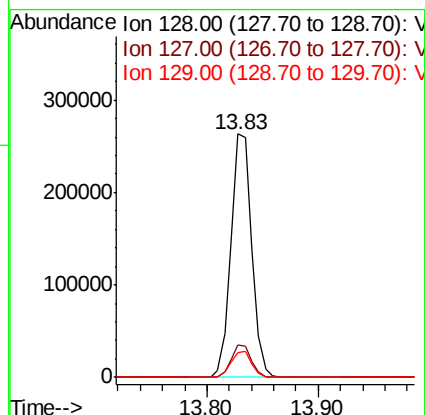
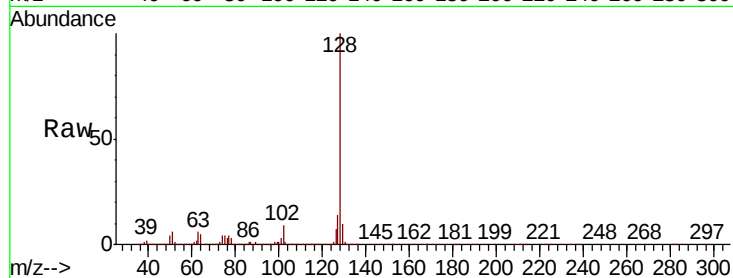




#95
Naphthalene
Concen: 19.151 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. -0.00 min
Lab File: VX011750.D
Acq: 22 Aug 2019 09:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion:	128	Resp:	339012
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	10.9	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 19.108 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX011750.D
Acq: 22 Aug 2019 09:43

Tgt Ion:	180	Resp:	121521
Ion	Ratio	Lower	Upper
180	100		
182	96.9	48.5	145.5
145	29.9	14.6	43.8

