

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX082319\
 Data File : VX011812.D
 Acq On : 23 Aug 2019 20:45
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 26 01:59:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082219W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 01:48:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	412291	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	573471	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	518823	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	288685	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	194889	47.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.12%	
35) Dibromofluoromethane	5.49	113	166302	44.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.70%	
50) Toluene-d8	8.71	98	628226	48.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.14%	
62) 4-Bromofluorobenzene	11.13	95	228395	44.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.34%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.19	85	179906	46.755	ug/l	100
3) Chloromethane	1.32	50	170266	50.457	ug/l	98
4) Vinyl Chloride	1.40	62	172391	51.104	ug/l	99
5) Bromomethane	1.63	94	89214	48.007	ug/l	95
6) Chloroethane	1.71	64	103682	52.569	ug/l	99
7) Trichlorofluoromethane	1.92	101	262515	48.880	ug/l	100
8) Diethyl Ether	2.18	74	94660	51.835	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	151388	45.553	ug/l	95
10) Methyl Iodide	2.50	142	212302	52.301	ug/l	97
11) Tert butyl alcohol	3.04	59	202056	246.885	ug/l	99
12) 1,1-Dichloroethene	2.37	96	158614	48.947	ug/l	97
13) Acrolein	2.29	56	91546	289.368	ug/l	97
14) Allyl chloride	2.72	41	246629	48.694	ug/l	99
15) Acrylonitrile	3.14	53	474828	253.654	ug/l	100
16) Acetone	2.43	43	381681	211.849	ug/l	96
17) Carbon Disulfide	2.56	76	347520	42.415	ug/l	100
18) Methyl Acetate	2.76	43	260402	53.265	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	528650	50.857	ug/l	98
20) Methylene Chloride	2.85	84	174676	47.422	ug/l	95
21) trans-1,2-Dichloroethene	3.16	96	170278	48.716	ug/l	97
22) Diisopropyl ether	3.85	45	502451	51.158	ug/l	97
23) Vinyl Acetate	3.81	43	1986678	244.308	ug/l	100
24) 1,1-Dichloroethane	3.69	63	282958	48.795	ug/l	100
25) 2-Butanone	4.67	43	643321	248.766	ug/l	99
26) 2,2-Dichloropropane	4.57	77	182342	37.027	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	195400	48.748	ug/l	96
28) Bromochloromethane	5.01	49	125667	47.740	ug/l	93
29) Tetrahydrofuran	5.12	42	416309	251.133	ug/l	99
30) Chloroform	5.20	83	290460	46.168	ug/l	99
31) Cyclohexane	5.57	56	252763	49.631	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	256350	46.874	ug/l	99
36) 1,1-Dichloropropene	5.79	75	222422	49.460	ug/l	97
37) Ethyl Acetate	4.82	43	235569	49.500	ug/l	99
38) Carbon Tetrachloride	5.78	117	235826	46.272	ug/l	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	261395	46.906	ug/l	99
40) Benzene	6.13	78	680225	48.897	ug/l	97
41) Methacrylonitrile	5.03	41	131617	47.554	ug/l	98
42) 1,2-Dichloroethane	6.18	62	236703	46.546	ug/l	99
43) Isopropyl Acetate	6.44	43	372212	48.323	ug/l	98
44) Trichloroethene	7.21	130	204880	47.776	ug/l	100
45) 1,2-Dichloropropane	7.51	63	165546	47.344	ug/l	99
46) Dibromomethane	7.66	93	116357	45.135	ug/l	95
47) Bromodichloromethane	7.89	83	205063	44.188	ug/l	98
48) Methyl methacrylate	7.76	41	184050	48.014	ug/l	97
49) 1,4-Dioxane	7.74	88	99423	936.109	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	1218740	240.128	ug/l	98
52) Toluene	8.78	92	441434	49.035	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	222682	45.709	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	247270	46.526	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	182816	48.743	ug/l	98
56) Ethyl methacrylate	9.18	69	270141	50.645	ug/l	97
57) 1,3-Dichloropropane	9.37	76	283886	46.876	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	719710	256.501	ug/l	99
59) 2-Hexanone	9.49	43	929704	238.661	ug/l	98
60) Dibromochloromethane	9.58	129	185034	45.629	ug/l	99
61) 1,2-Dibromoethane	9.67	107	194522	48.336	ug/l	100
64) Tetrachloroethene	9.34	164	209267	50.559	ug/l	98
65) Chlorobenzene	10.13	112	498874	49.251	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	183671	48.397	ug/l	100
67) Ethyl Benzene	10.25	91	833764	49.256	ug/l	97
68) m/p-Xylenes	10.35	106	660297	101.167	ug/l	96
69) o-Xylene	10.69	106	319796	49.905	ug/l	97
70) Styrene	10.71	104	550765	51.378	ug/l	97
71) Bromoform	10.85	173	149143	45.555	ug/l #	98
73) Isopropylbenzene	11.02	105	854646	49.126	ug/l	100
74) N-amyl acetate	10.90	43	327059	48.559	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	266651	46.306	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	300318	59.287	ug/l	85
77) Bromobenzene	11.25	156	250766	48.894	ug/l	95
78) n-propylbenzene	11.36	91	941809	50.628	ug/l	100
79) 2-Chlorotoluene	11.42	91	571422	49.374	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	736937	50.769	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	70349	41.883	ug/l	100
82) 4-Chlorotoluene	11.51	91	656706	49.227	ug/l	99
83) tert-Butylbenzene	11.77	119	733051	51.186	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	737093	50.285	ug/l	100
85) sec-Butylbenzene	11.94	105	833190	50.860	ug/l	100
86) p-Isopropyltoluene	12.06	119	799453	50.720	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	429279	48.605	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	431911	48.335	ug/l	99
89) n-Butylbenzene	12.38	91	626230	47.994	ug/l	99
90) Hexachloroethane	12.59	117	115776	47.280	ug/l	92
91) 1,2-Dichlorobenzene	12.39	146	433116	48.620	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	58172	43.459	ug/l	92

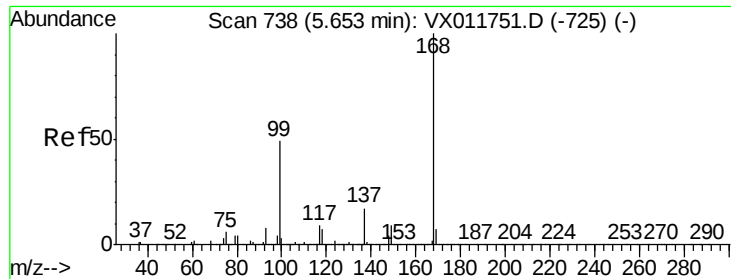
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX082319\
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QLast Update : Fri Aug 23 01:48:12 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	329885	50.344	ug/l	99
94) Hexachlorobutadiene	13.78	225	167215	46.570	ug/l	99
95) Naphthalene	13.83	128	962784	53.349	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	336500	51.145	ug/l	99

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

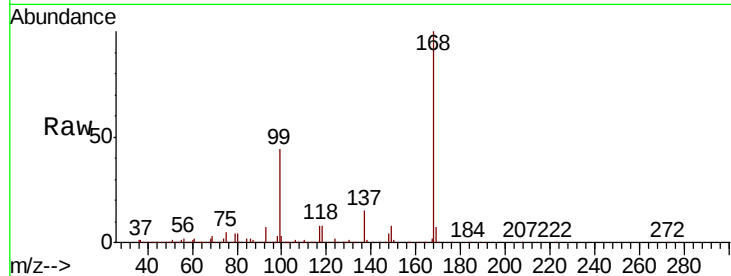


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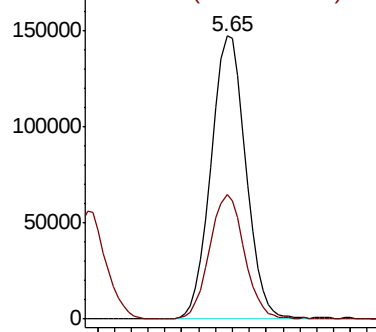
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. 0.00 min
 Lab File: VX011812.D
 Acq: 23 Aug 2019 20:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

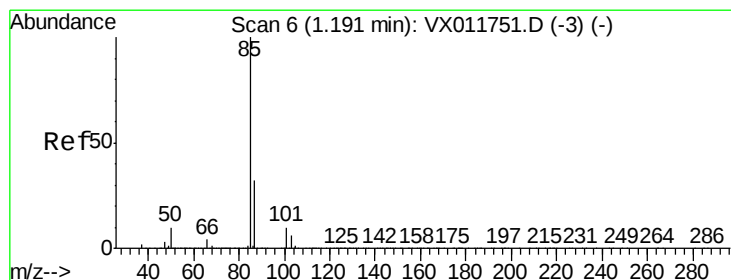
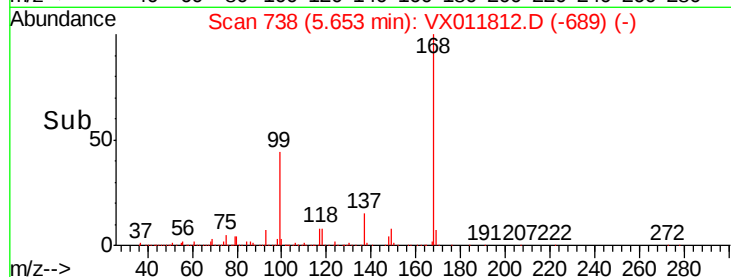
Tgt Ion: 168 Resp: 412291
 Ion Ratio Lower Upper
 168 100
 99 43.9 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V
 Ion 98.90 (98.60 to 99.60): VX0



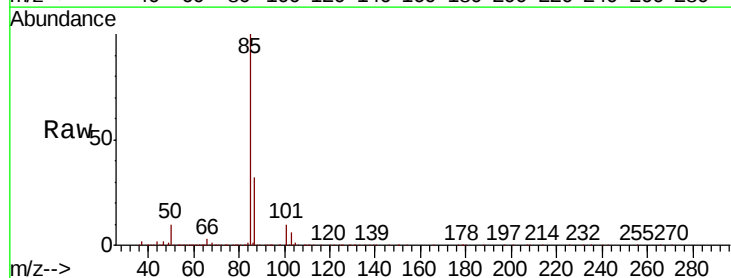
Time-->



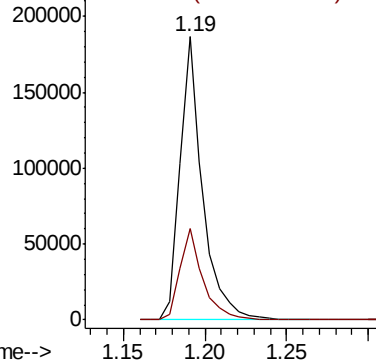
#2

Dichlorodifluoromethane
 Concen: 46.755 ug/l
 RT: 1.19 min Scan# 6
 Delta R.T. 0.00 min
 Lab File: VX011812.D
 Acq: 23 Aug 2019 20:45

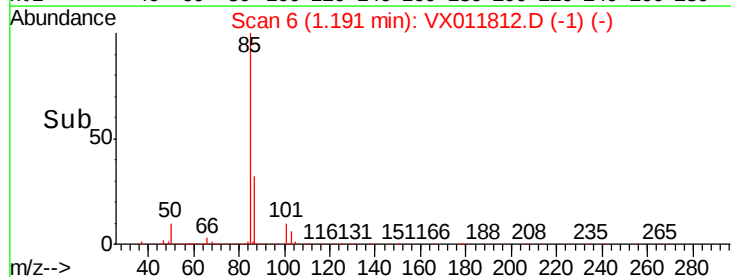
Tgt Ion: 85 Resp: 179906
 Ion Ratio Lower Upper
 85 100
 87 32.3 16.1 48.2

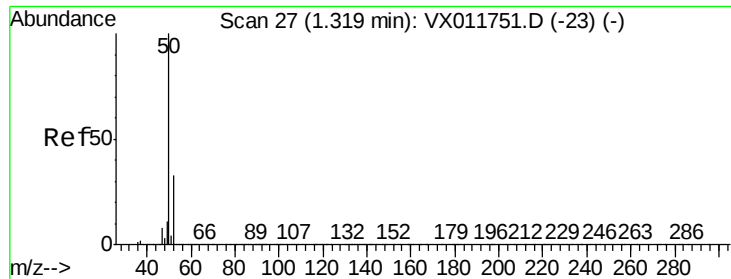


Abundance Ion 84.90 (84.60 to 85.60): VX0
 Ion 86.90 (86.60 to 87.60): VX0



Time-->

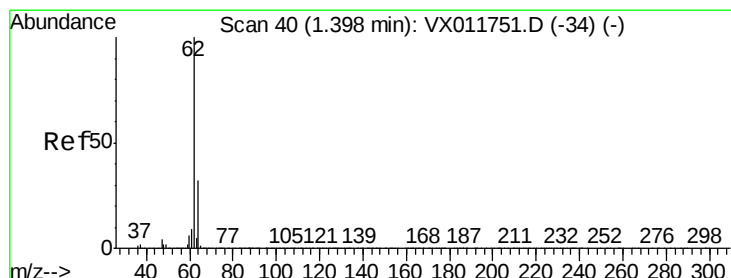
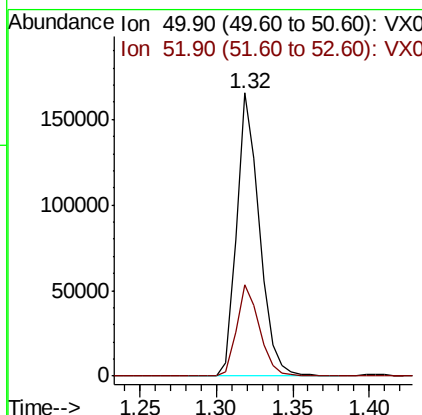
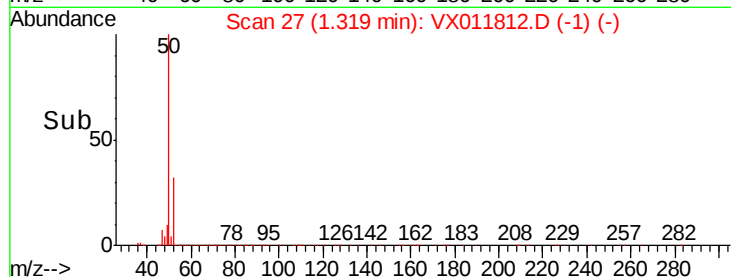
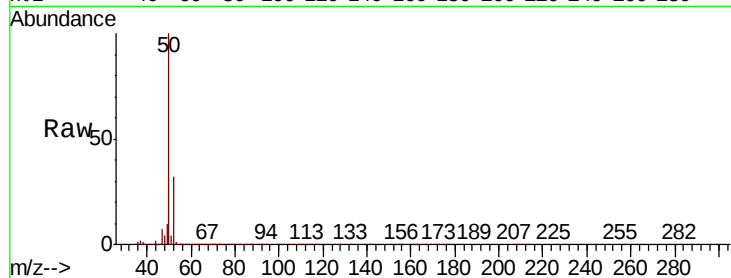




#3
Chloromethane
Concen: 50.457 ug/l
RT: 1.32 min Scan# 27
Delta R.T. 0.00 min
Lab File: VX011812.D
Acq: 23 Aug 2019 20:45

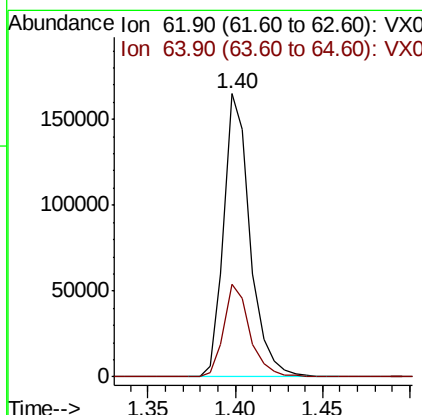
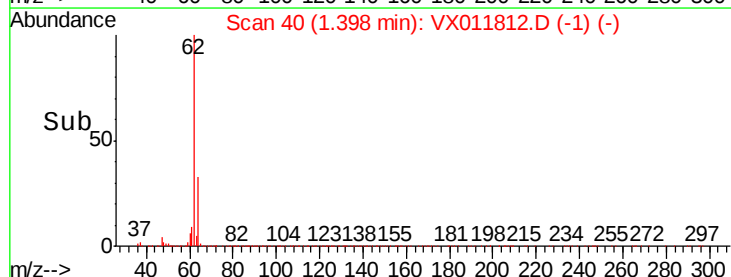
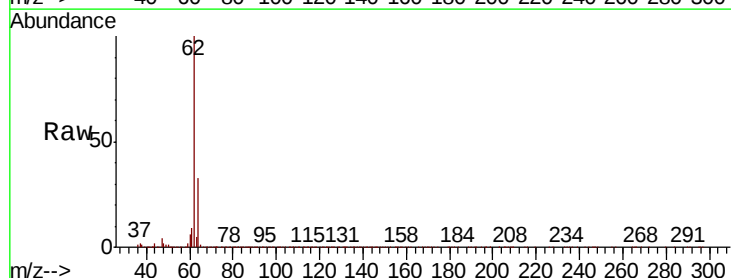
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

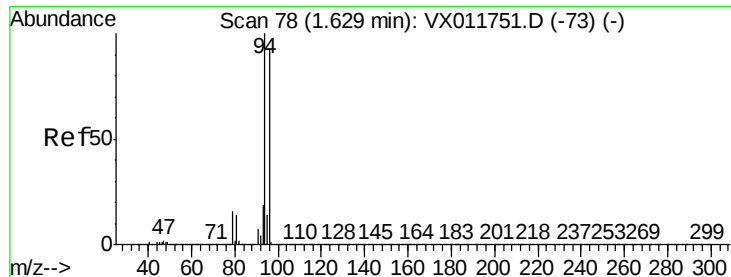
Tgt Ion: 50 Resp: 170266
Ion Ratio Lower Upper
50 100
52 32.3 26.6 39.8



#4
Vinyl Chloride
Concen: 51.104 ug/l
RT: 1.40 min Scan# 40
Delta R.T. 0.00 min
Lab File: VX011812.D
Acq: 23 Aug 2019 20:45

Tgt Ion: 62 Resp: 172391
Ion Ratio Lower Upper
62 100
64 32.4 25.5 38.3





#5

Bromomethane

Concen: 48.007 ug/l

RT: 1.63 min Scan# 78

Delta R.T. 0.00 min

Lab File: VX011812.D

Acq: 23 Aug 2019 20:45

Instrument :

MSVOA_X

ClientSampleId :

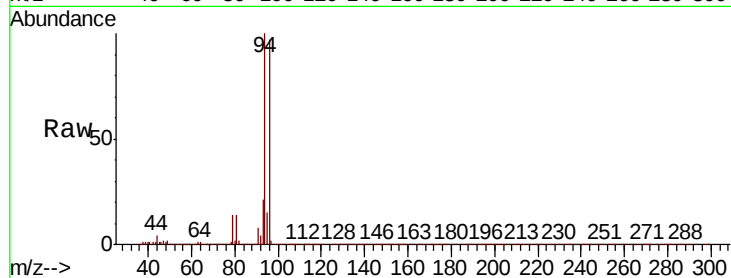
VSTDCCC050EC

Tgt Ion: 94 Resp: 89214

Ion Ratio Lower Upper

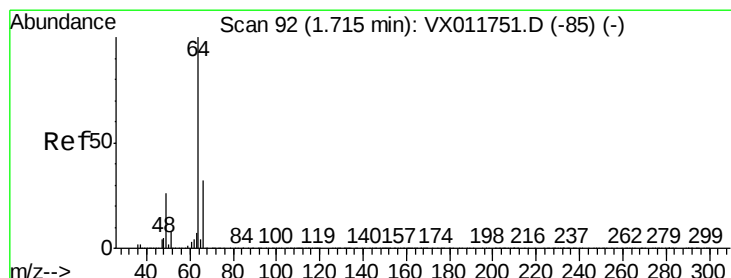
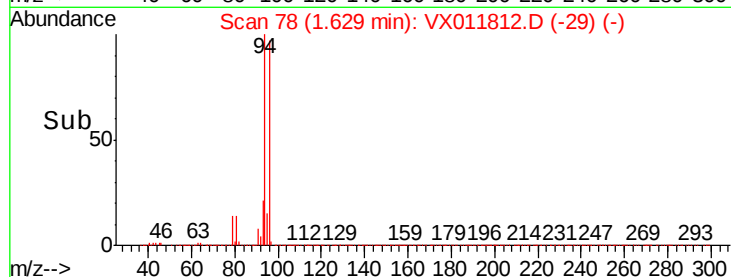
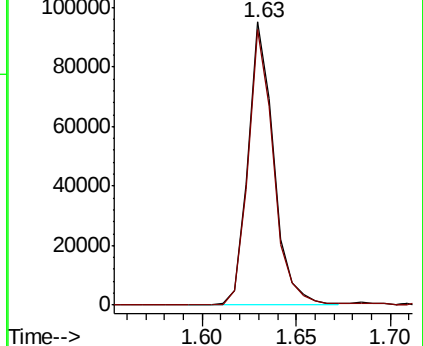
94 100

96 97.2 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: 52.569 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX011812.D

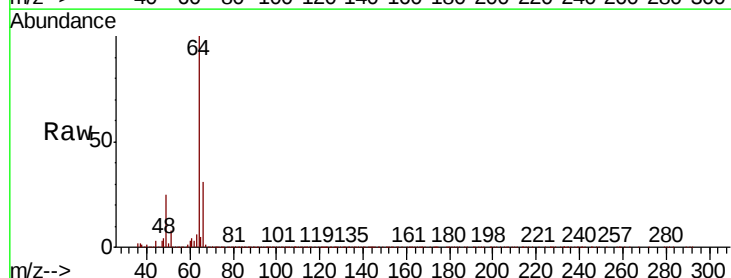
Acq: 23 Aug 2019 20:45

Tgt Ion: 64 Resp: 103682

Ion Ratio Lower Upper

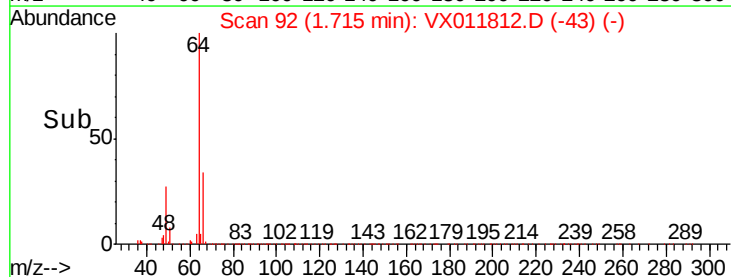
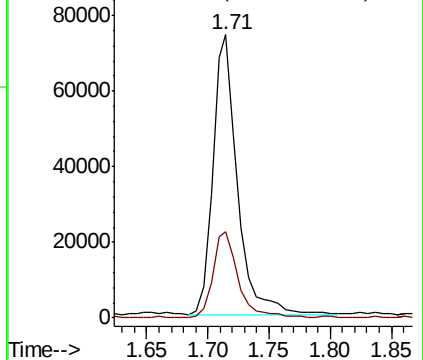
64 100

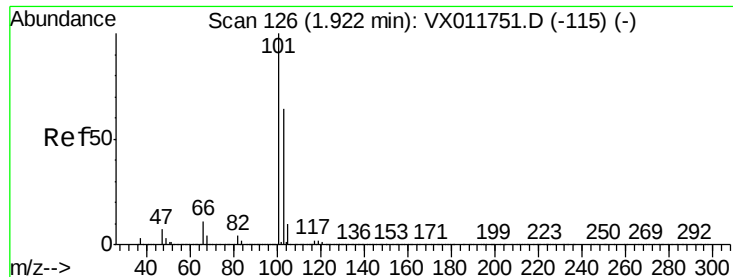
66 30.7 24.9 37.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



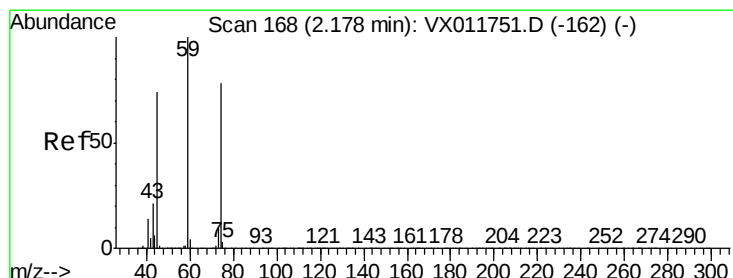
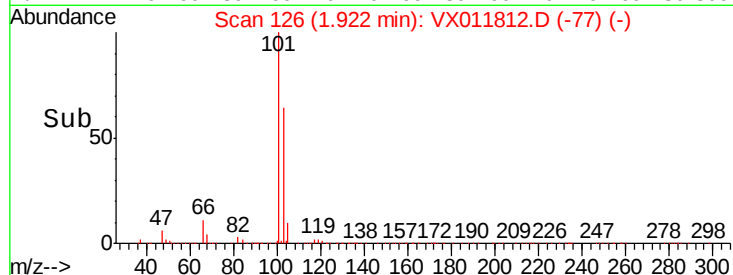
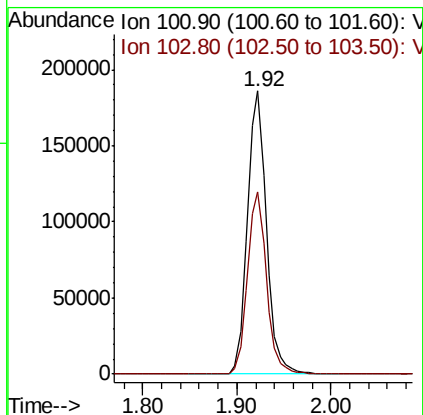
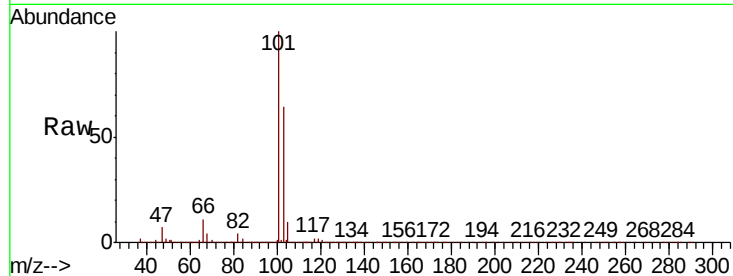


#7

Trichlorofluoromethane
Concen: 48.880 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX011812.D
Acq: 23 Aug 2019 20:45

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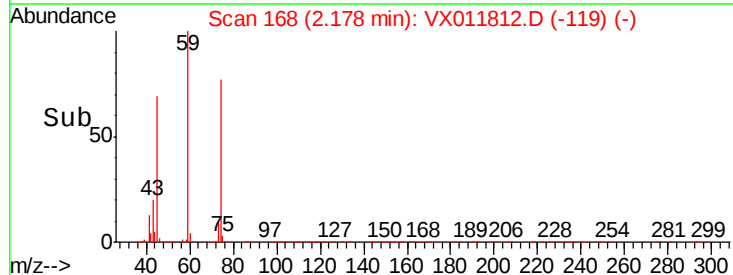
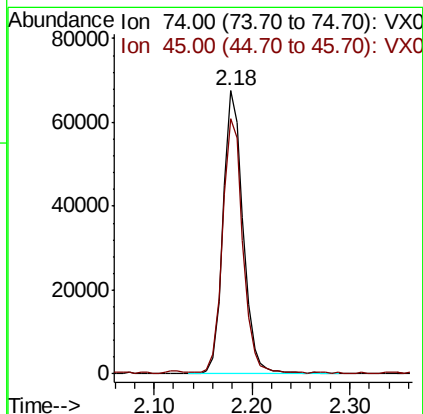
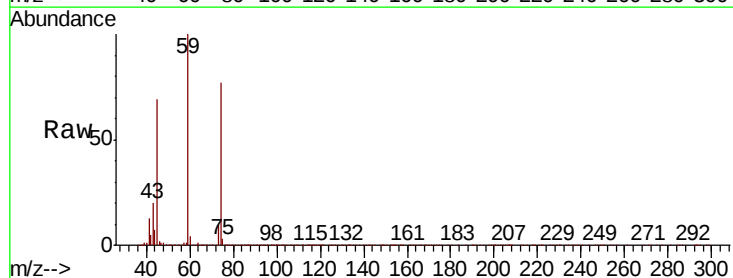
Tgt Ion:101 Resp: 262515
Ion Ratio Lower Upper
101 100
103 64.2 51.2 76.8

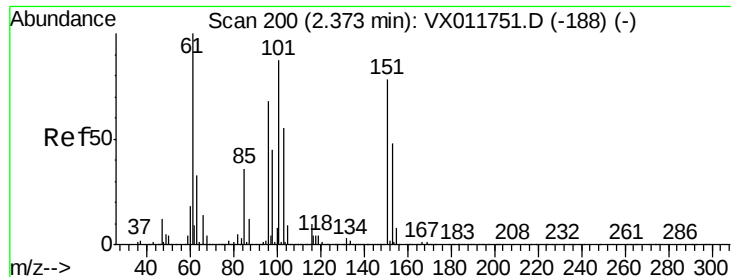


#8

Diethyl Ether
Concen: 51.835 ug/l
RT: 2.18 min Scan# 168
Delta R.T. 0.00 min
Lab File: VX011812.D
Acq: 23 Aug 2019 20:45

Tgt Ion: 74 Resp: 94660
Ion Ratio Lower Upper
74 100
45 91.7 46.7 140.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.553 ug/l

RT: 2.37 min Scan# 200

Delta R.T. 0.00 min

Lab File: VX011812.D

Acq: 23 Aug 2019 20:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

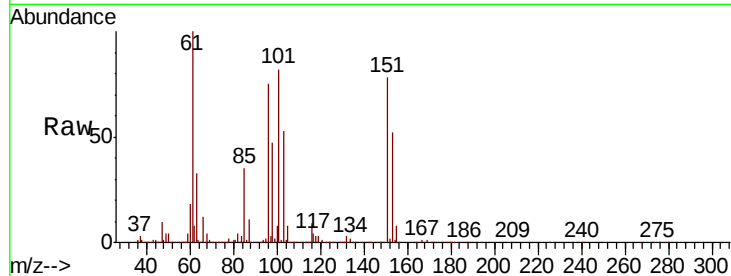
Tgt Ion:101 Resp: 151388

Ion Ratio Lower Upper

101 100

85 41.2 33.7 50.5

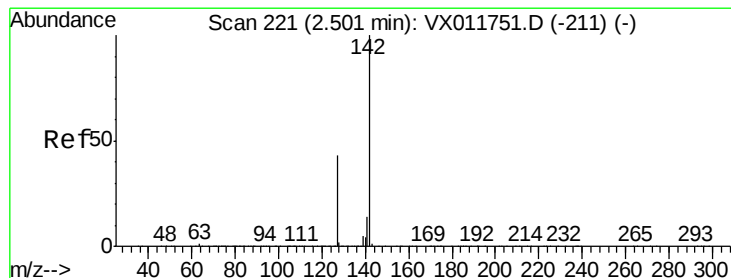
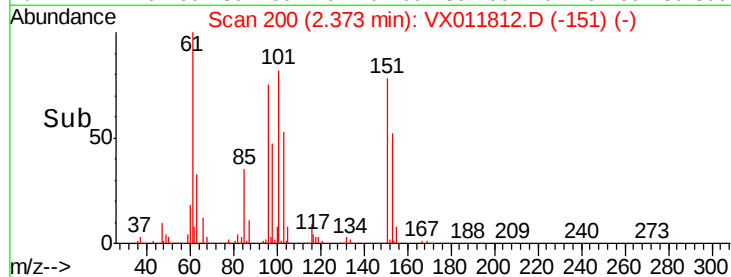
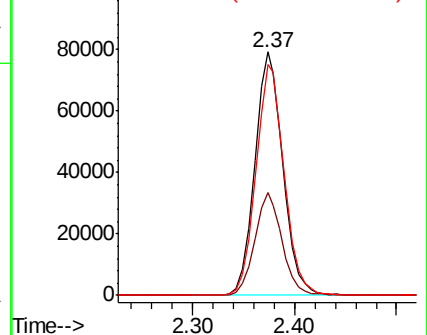
151 95.7 71.4 107.2



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: 52.301 ug/l

RT: 2.50 min Scan# 221

Delta R.T. 0.00 min

Lab File: VX011812.D

Acq: 23 Aug 2019 20:45

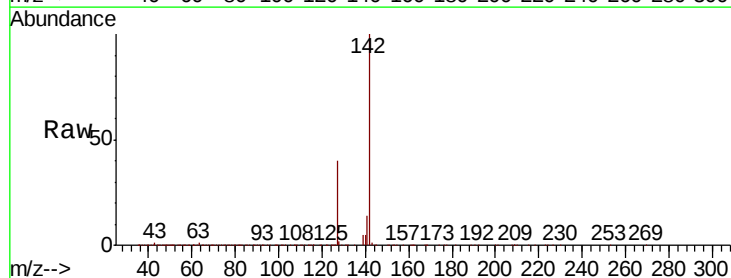
Tgt Ion:142 Resp: 212302

Ion Ratio Lower Upper

142 100

127 39.7 33.5 50.3

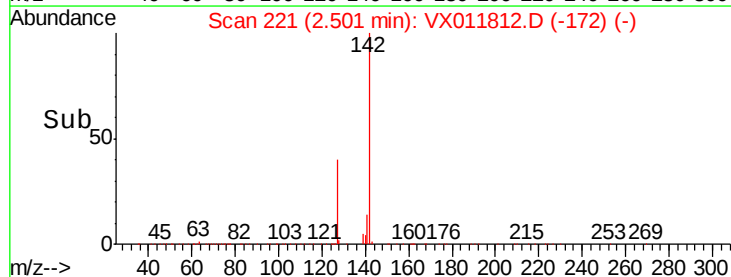
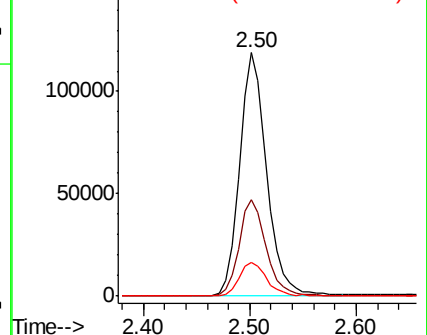
141 14.3 11.4 17.2

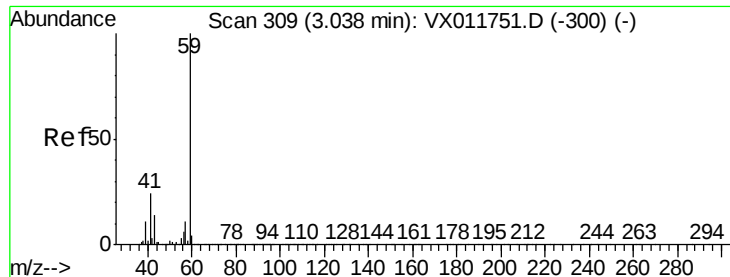


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



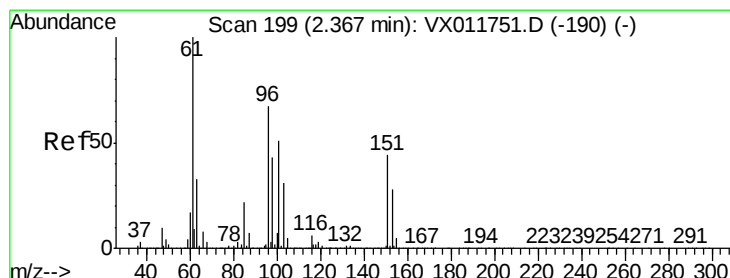
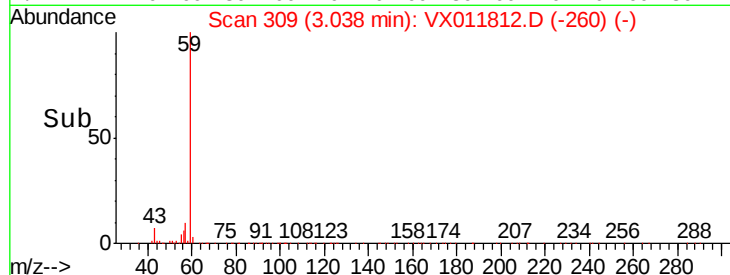
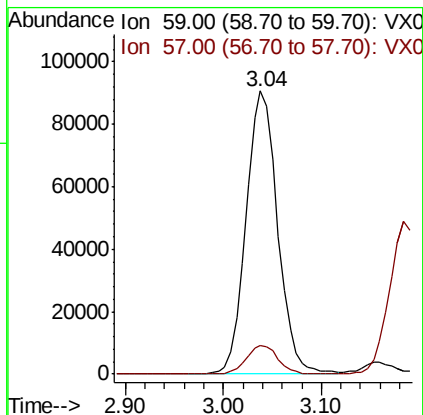
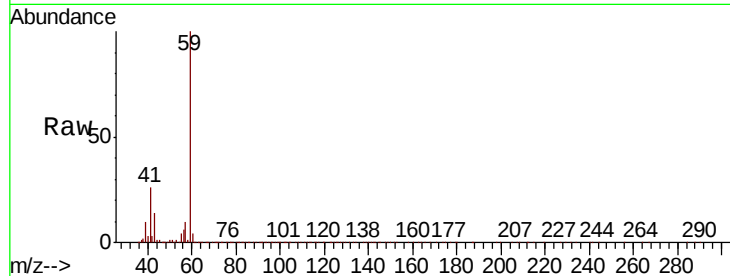


#11

Tert butyl alcohol
 Concen: 246.885 ug/l
 RT: 3.04 min Scan# 309
 Delta R.T. 0.00 min
 Lab File: VX011812.D
 Acq: 23 Aug 2019 20:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

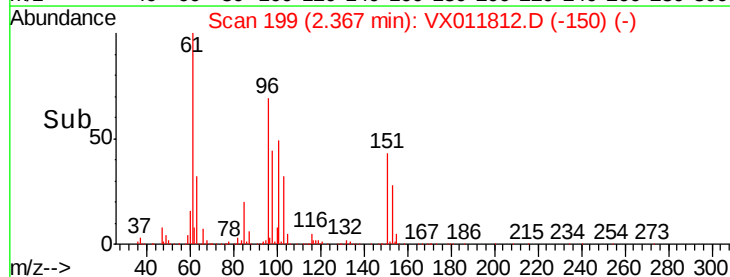
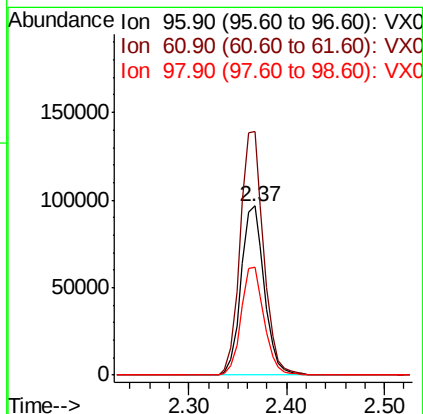
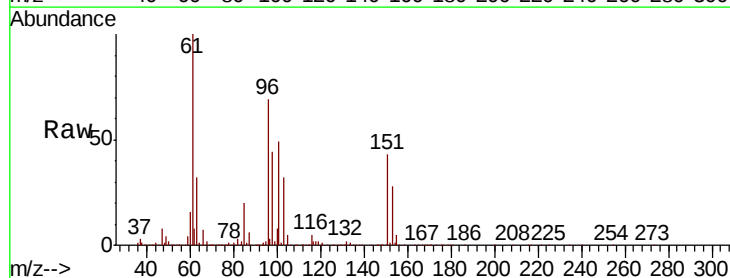
Tgt Ion: 59 Resp: 202056
 Ion Ratio Lower Upper
 59 100
 57 10.0 8.4 12.6

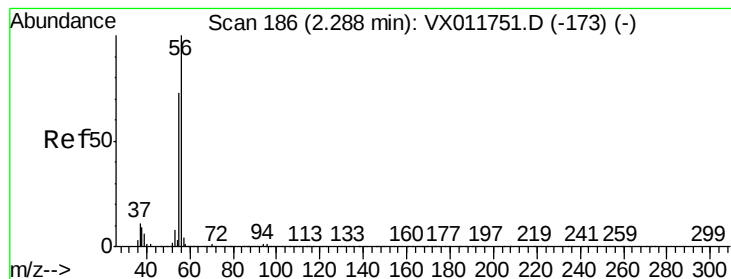


#12

1,1-Dichloroethene
 Concen: 48.947 ug/l
 RT: 2.37 min Scan# 199
 Delta R.T. 0.00 min
 Lab File: VX011812.D
 Acq: 23 Aug 2019 20:45

Tgt Ion: 96 Resp: 158614
 Ion Ratio Lower Upper
 96 100
 61 144.0 119.4 179.2
 98 63.6 51.2 76.8





#13

Acrolein

Concen: 289.368 ug/l

RT: 2.29 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX011812.D

Acq: 23 Aug 2019 20:45

Instrument :

MSVOA_X

ClientSampleId :

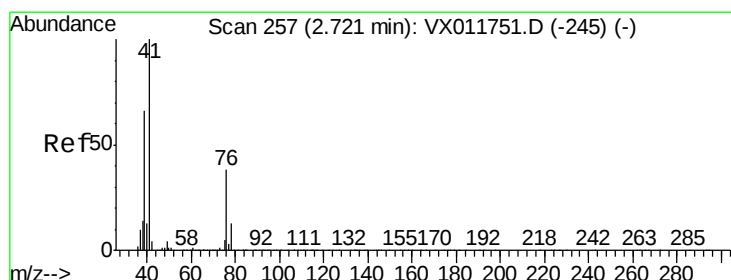
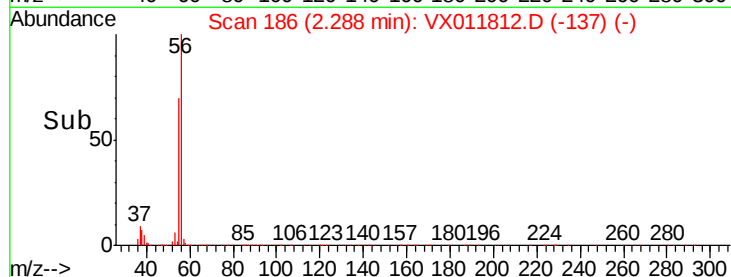
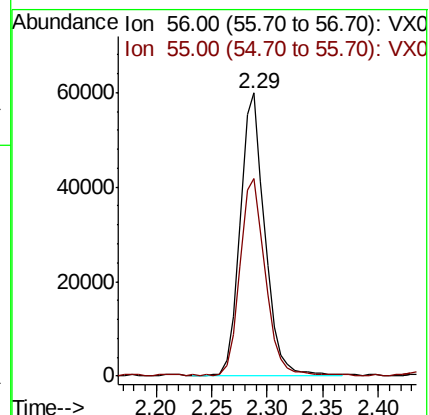
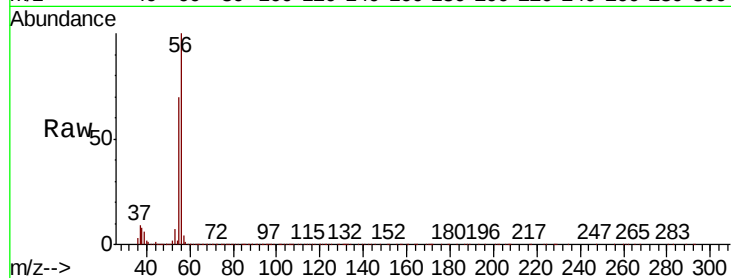
VSTDCCC050EC

Tgt Ion: 56 Resp: 91546

Ion Ratio Lower Upper

56 100

55 70.9 54.8 82.2



#14

Allyl chloride

Concen: 48.694 ug/l

RT: 2.72 min Scan# 257

Delta R.T. 0.00 min

Lab File: VX011812.D

Acq: 23 Aug 2019 20:45

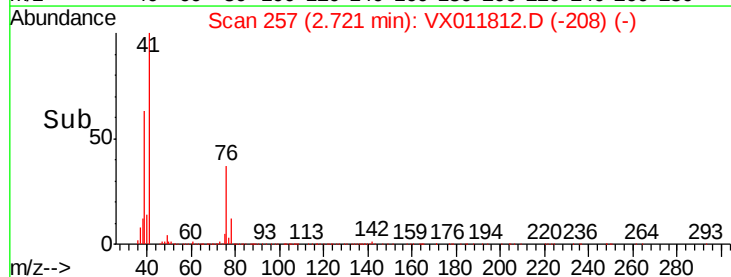
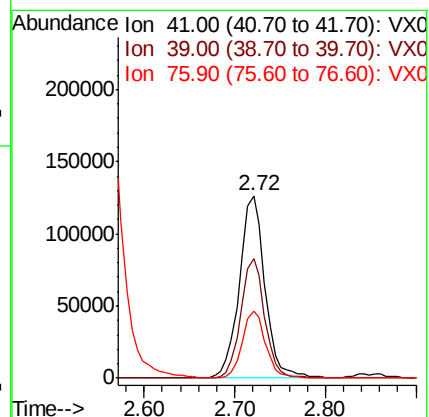
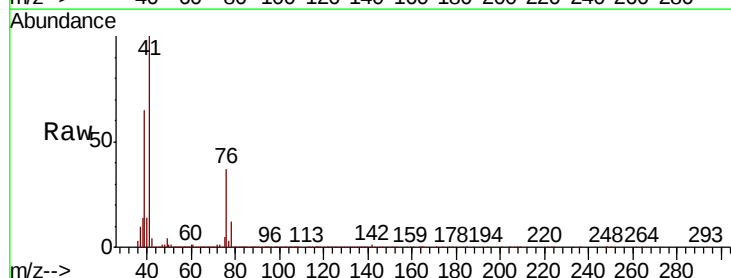
Tgt Ion: 41 Resp: 246629

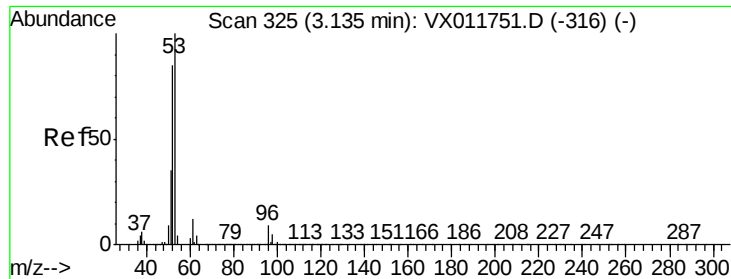
Ion Ratio Lower Upper

41 100

39 61.0 49.3 73.9

76 33.3 26.8 40.2

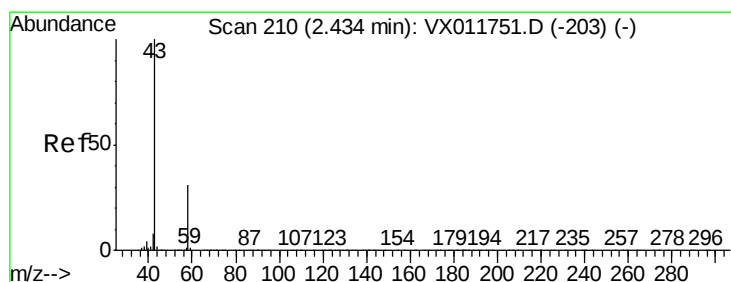
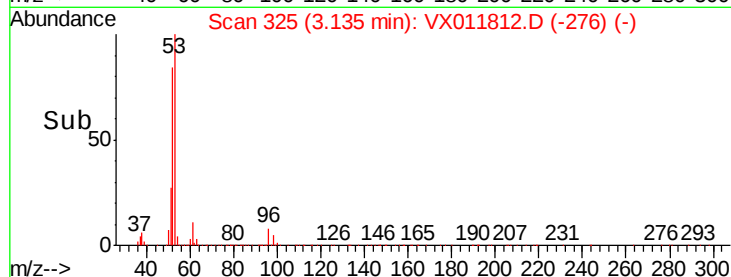
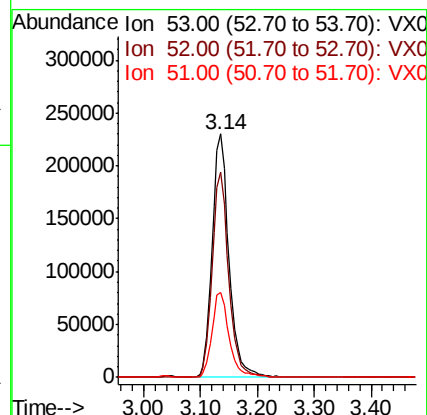
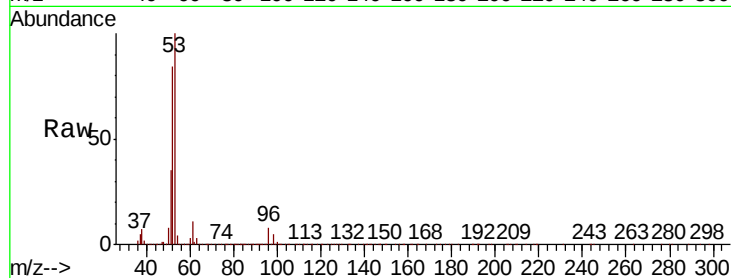




#15
 Acrylonitrile
 Concen: 253.654 ug/l
 RT: 3.14 min Scan# 325
 Delta R.T. 0.00 min
 Lab File: VX011812.D
 Acq: 23 Aug 2019 20:45

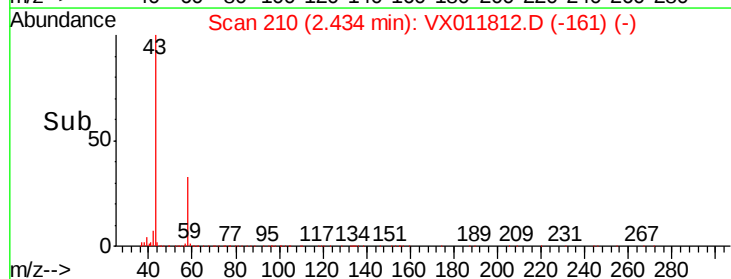
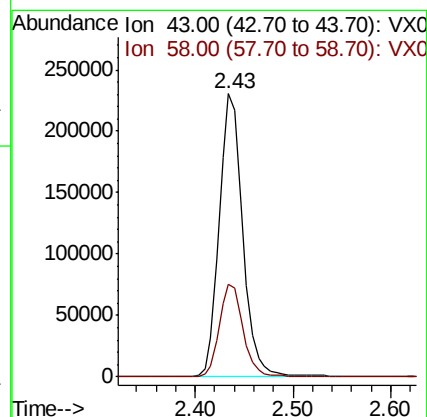
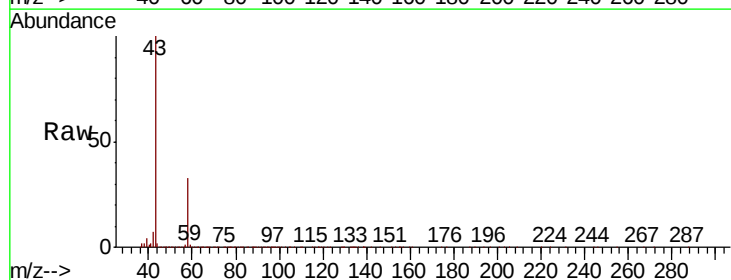
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

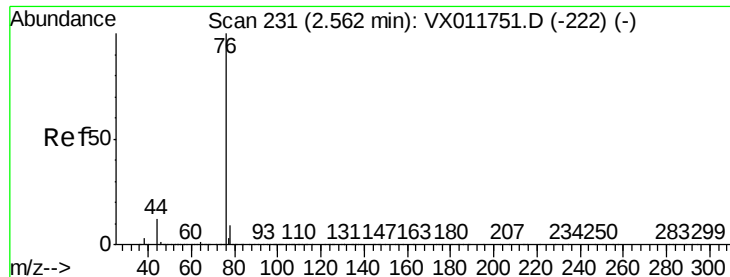
Tgt Ion: 53 Resp: 474828
 Ion Ratio Lower Upper
 53 100
 52 82.6 65.7 98.5
 51 35.6 28.6 43.0



#16
 Acetone
 Concen: 211.849 ug/l
 RT: 2.43 min Scan# 210
 Delta R.T. 0.00 min
 Lab File: VX011812.D
 Acq: 23 Aug 2019 20:45

Tgt Ion: 43 Resp: 381681
 Ion Ratio Lower Upper
 43 100
 58 32.5 24.4 36.6

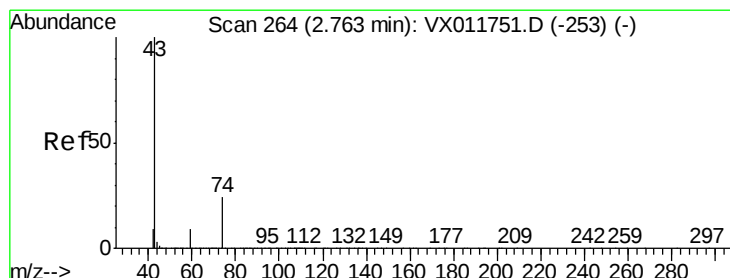
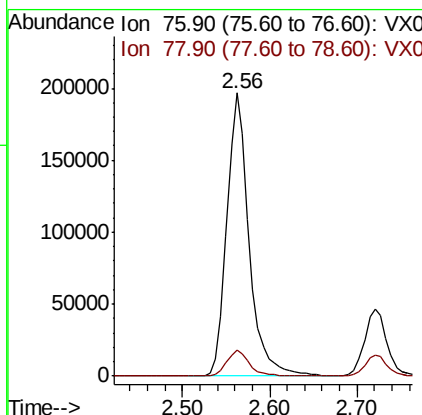
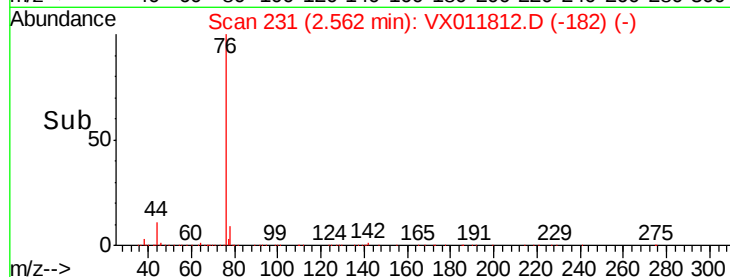
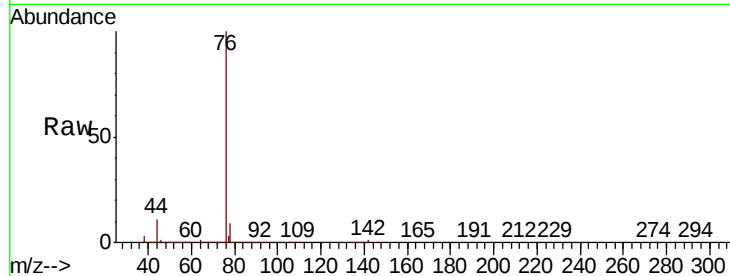




#17
Carbon Disulfide
Concen: 42.415 ug/l
RT: 2.56 min Scan# 231
Delta R.T. 0.00 min
Lab File: VX011812.D
Acq: 23 Aug 2019 20:45

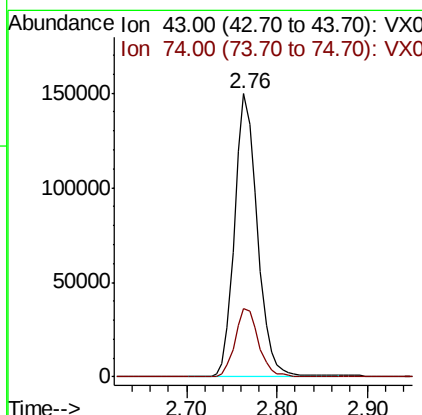
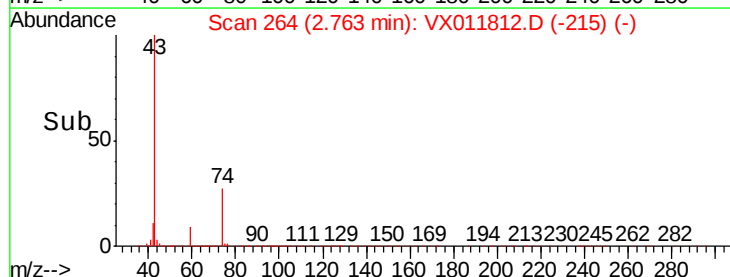
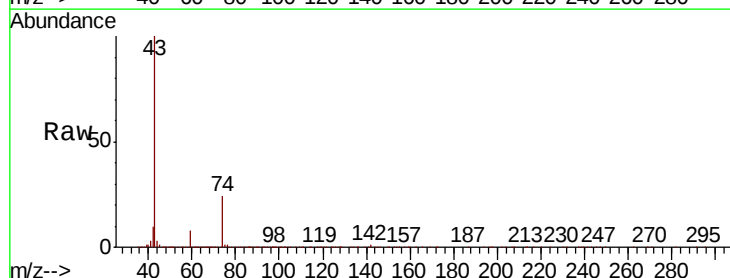
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

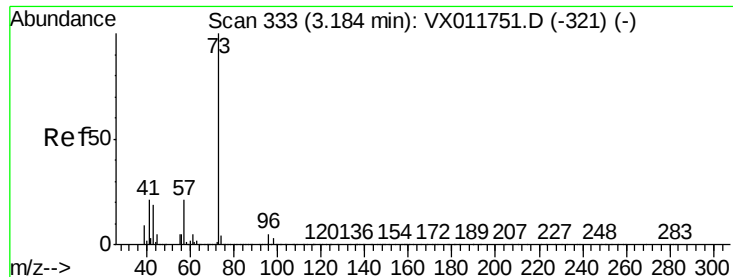
Tgt Ion: 76 Resp: 347520
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.0



#18
Methyl Acetate
Concen: 53.265 ug/l
RT: 2.76 min Scan# 264
Delta R.T. 0.00 min
Lab File: VX011812.D
Acq: 23 Aug 2019 20:45

Tgt Ion: 43 Resp: 260402
Ion Ratio Lower Upper
43 100
74 25.2 19.5 29.3

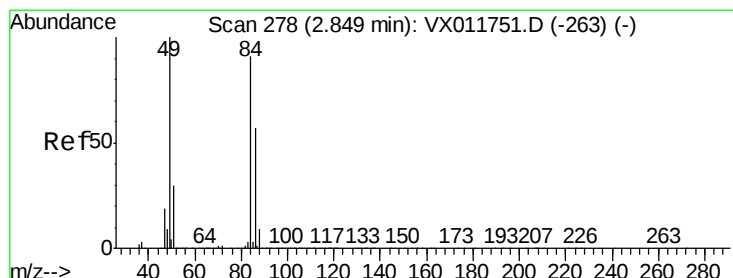
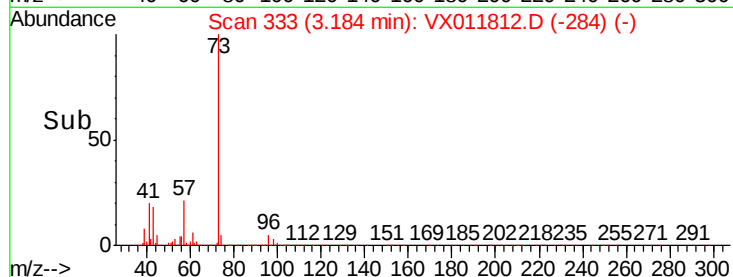
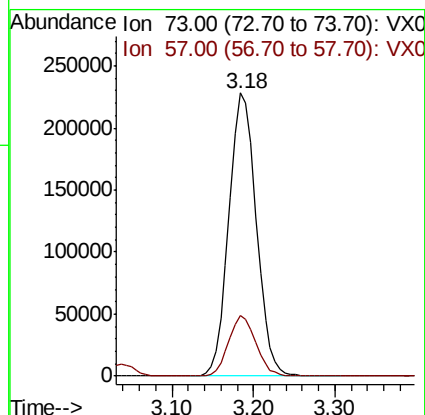
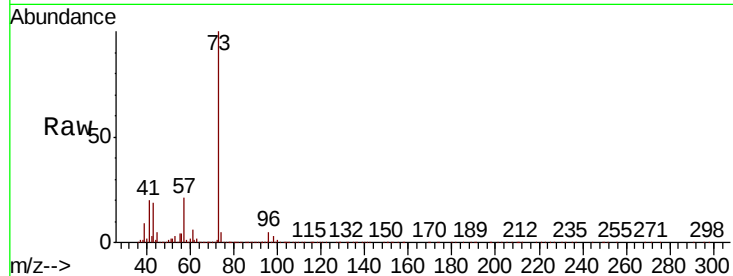




#19
Methyl tert-butyl Ether
Concen: 50.857 ug/l
RT: 3.18 min Scan# 333
Delta R.T. 0.00 min
Lab File: VX011812.D
Acq: 23 Aug 2019 20:45

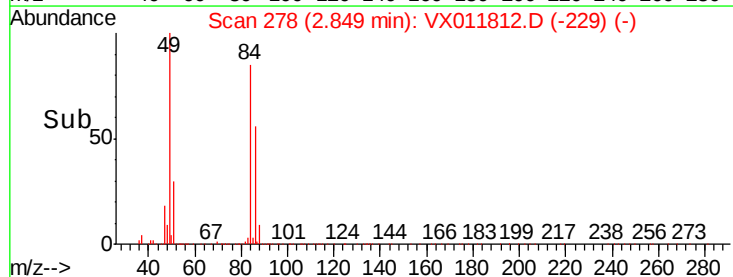
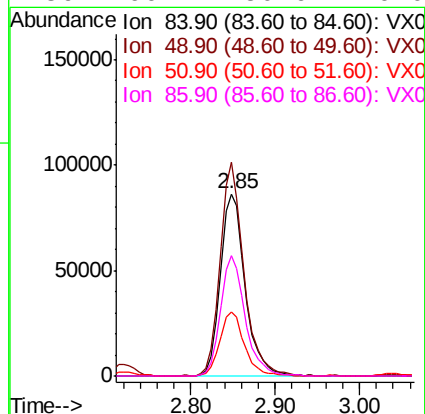
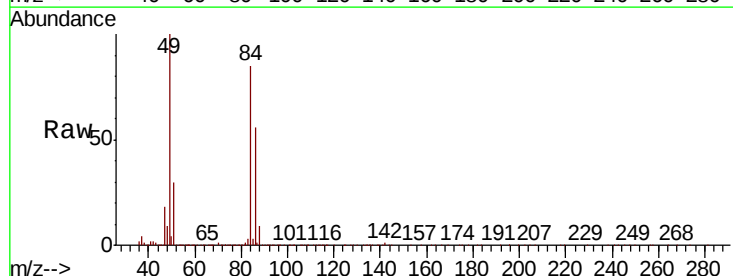
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

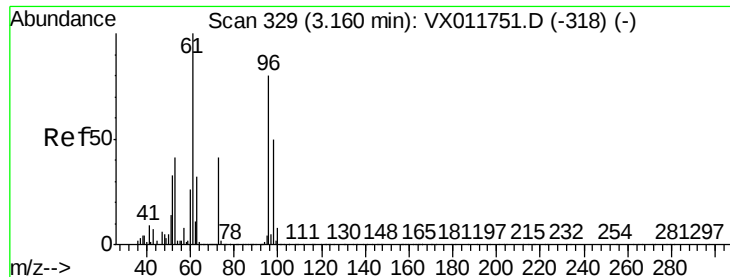
Tgt Ion: 73 Resp: 528650
Ion Ratio Lower Upper
73 100
57 21.4 16.4 24.6



#20
Methylene Chloride
Concen: 47.422 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.00 min
Lab File: VX011812.D
Acq: 23 Aug 2019 20:45

Tgt Ion: 84 Resp: 174676
Ion Ratio Lower Upper
84 100
49 116.9 88.3 132.5
51 35.1 26.2 39.2
86 66.1 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 48.716 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX011812.D

Acq: 23 Aug 2019 20:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

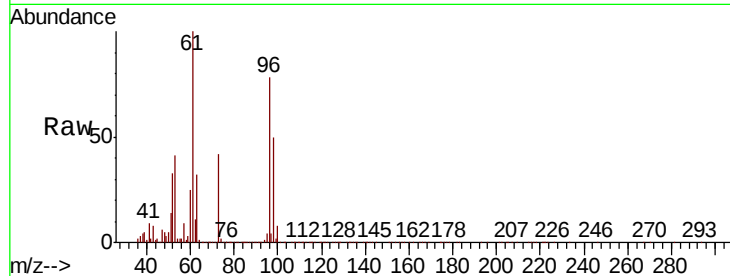
Tgt Ion: 96 Resp: 170278

Ion Ratio Lower Upper

96 100

61 128.8 99.8 149.8

98 64.2 50.3 75.5



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

150000

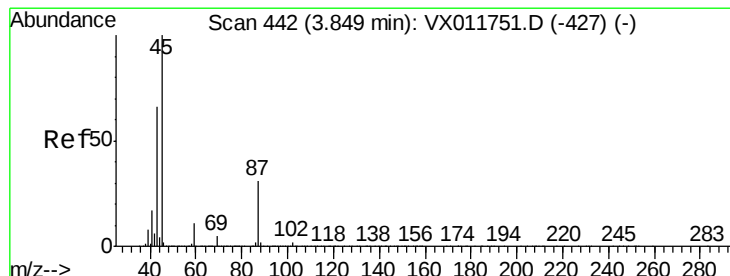
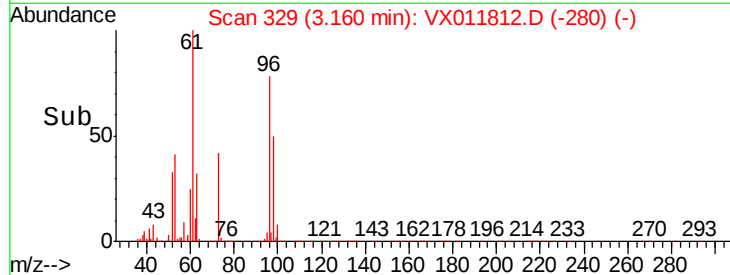
100000

50000

0

3.10 3.20

Time-->



#22

Diisopropyl ether

Concen: 51.158 ug/l

RT: 3.85 min Scan# 442

Delta R.T. 0.00 min

Lab File: VX011812.D

Acq: 23 Aug 2019 20:45

Tgt Ion: 45 Resp: 502451

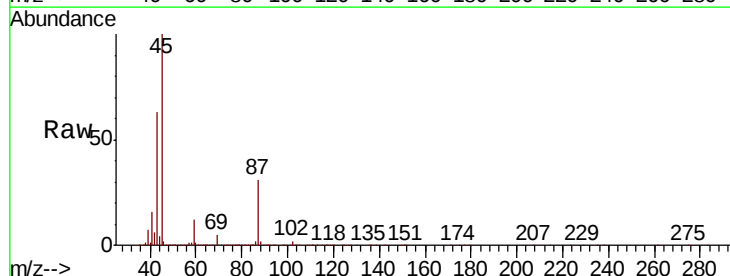
Ion Ratio Lower Upper

45 100

43 63.0 53.0 79.6

87 30.8 24.7 37.1

59 11.8 9.1 13.7



Abundance

Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0

1200000

1000000

800000

600000

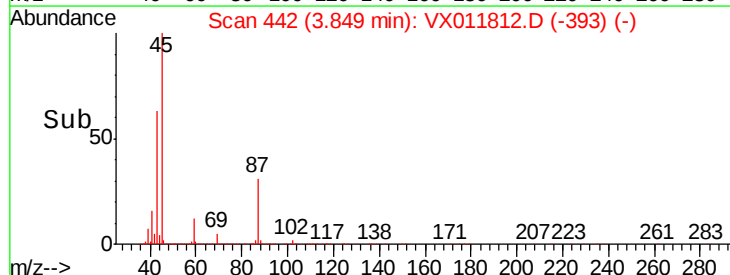
400000

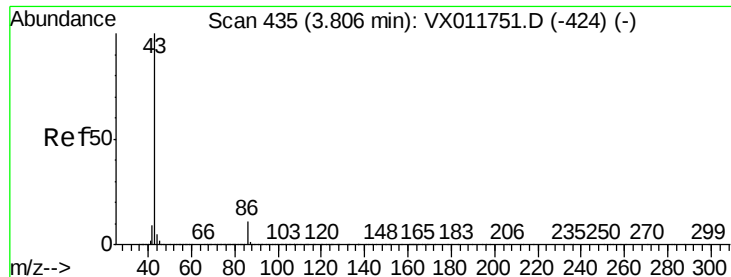
200000

0

3.70 3.80 3.90 4.00

Time-->

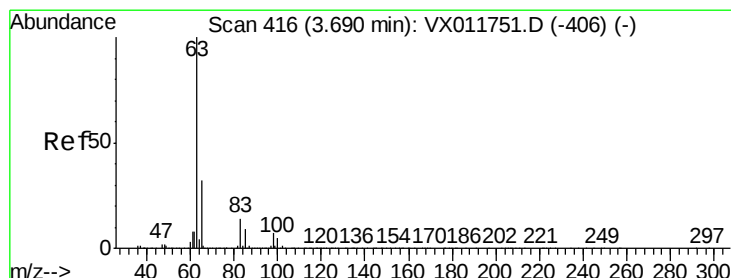
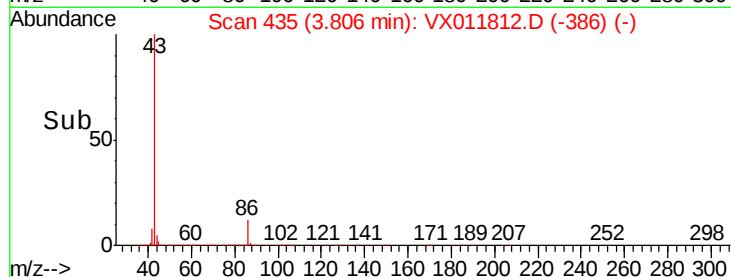
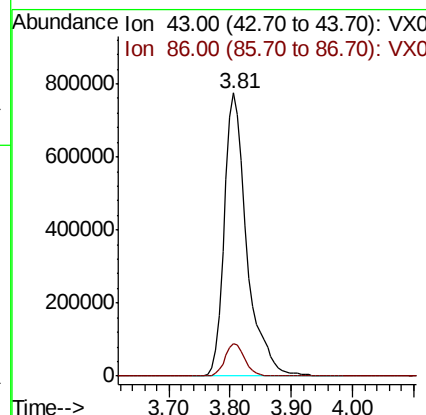
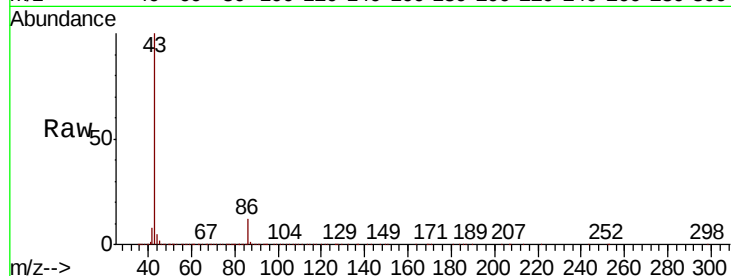




#23
 Vinyl Acetate
 Concen: 244.308 ug/l
 RT: 3.81 min Scan# 435
 Delta R.T. 0.00 min
 Lab File: VX011812.D
 Acq: 23 Aug 2019 20:45

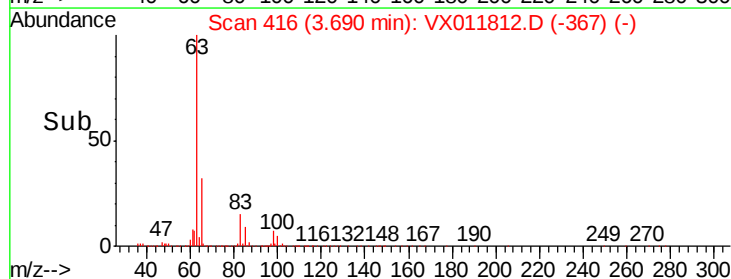
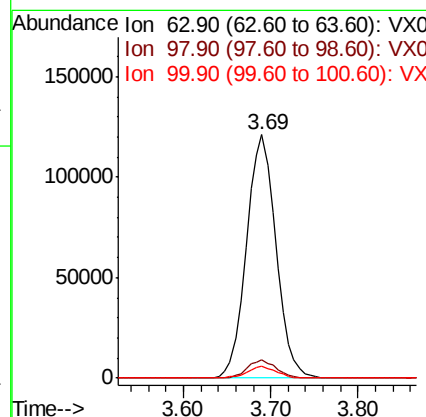
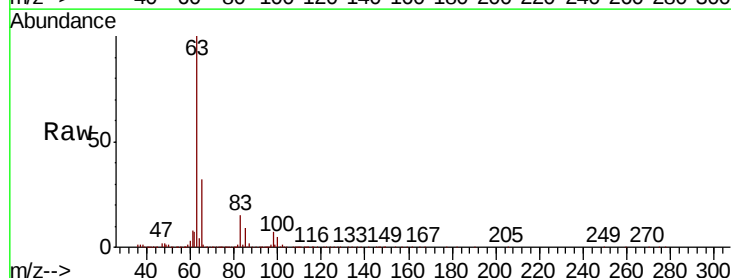
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

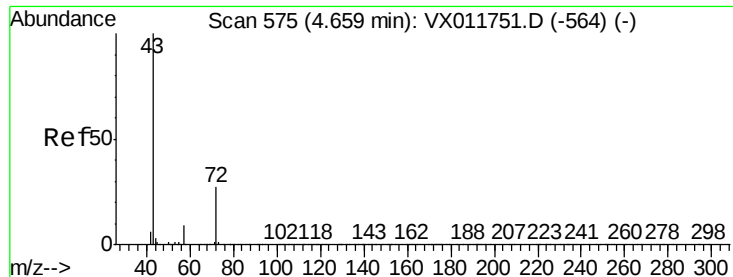
Tgt Ion: 43 Resp: 1986678
 Ion Ratio Lower Upper
 43 100
 86 11.5 9.2 13.8



#24
 1,1-Dichloroethane
 Concen: 48.795 ug/l
 RT: 3.69 min Scan# 416
 Delta R.T. 0.00 min
 Lab File: VX011812.D
 Acq: 23 Aug 2019 20:45

Tgt Ion: 63 Resp: 282958
 Ion Ratio Lower Upper
 63 100
 98 7.4 3.7 11.1
 100 5.0 2.3 6.9





#25

2-Butanone

Concen: 248.766 ug/l

RT: 4.67 min Scan# 576

Delta R.T. 0.01 min

Lab File: VX011812.D

Acq: 23 Aug 2019 20:45

Instrument :

MSVOA_X

ClientSampleId :

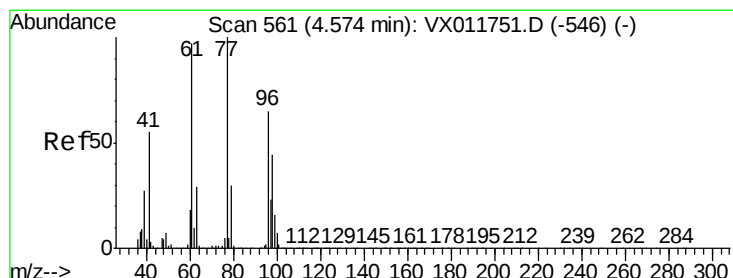
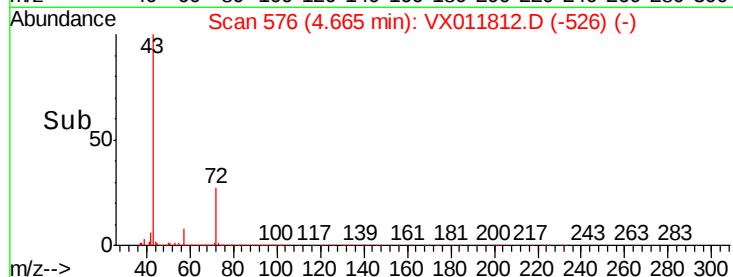
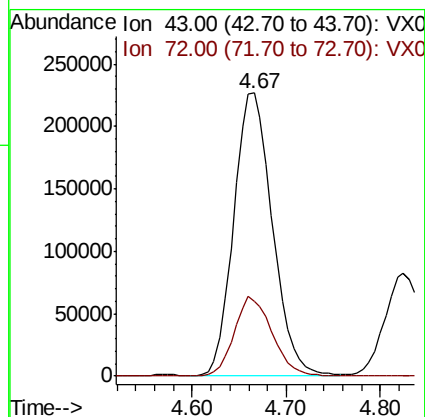
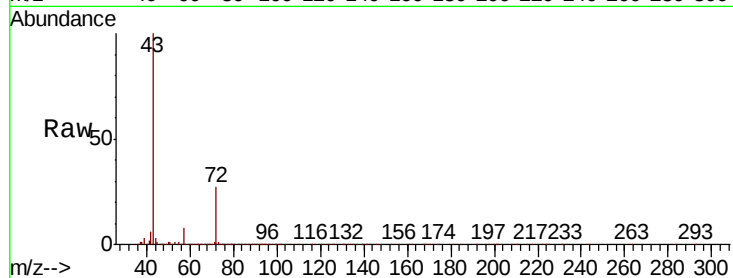
VSTDCCC050EC

Tgt Ion: 43 Resp: 643321

Ion Ratio Lower Upper

43 100

72 26.5 21.8 32.6



#26

2,2-Dichloropropane

Concen: 37.027 ug/l

RT: 4.57 min Scan# 561

Delta R.T. 0.00 min

Lab File: VX011812.D

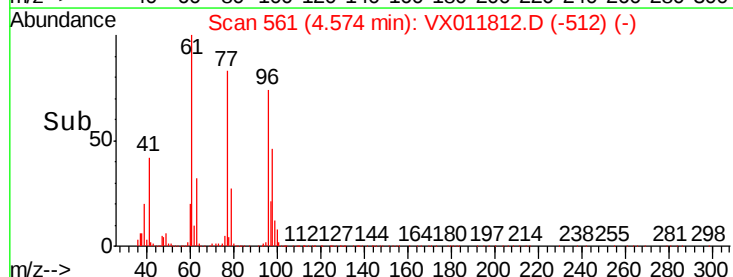
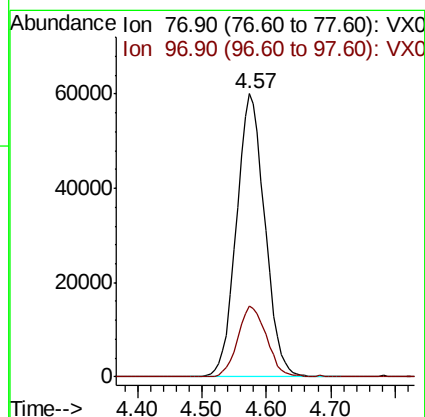
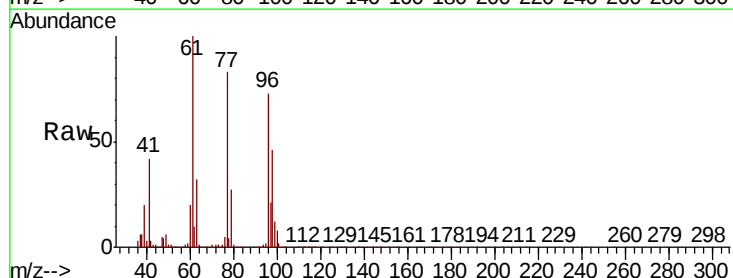
Acq: 23 Aug 2019 20:45

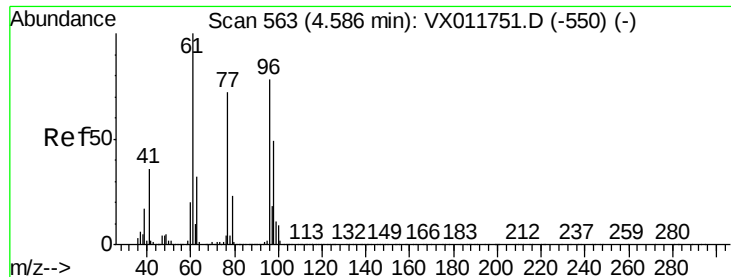
Tgt Ion: 77 Resp: 182342

Ion Ratio Lower Upper

77 100

97 25.2 12.2 36.6



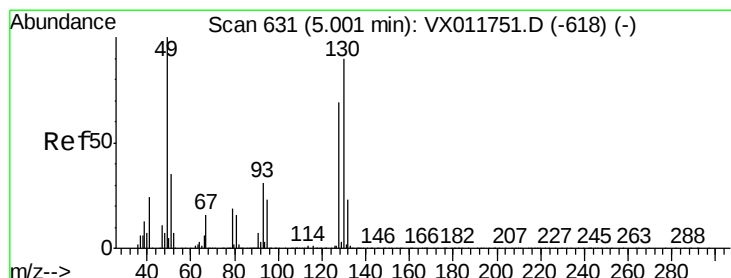
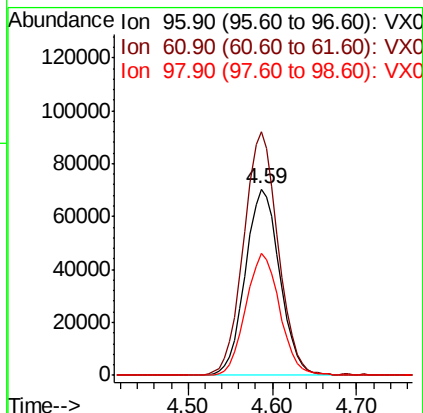
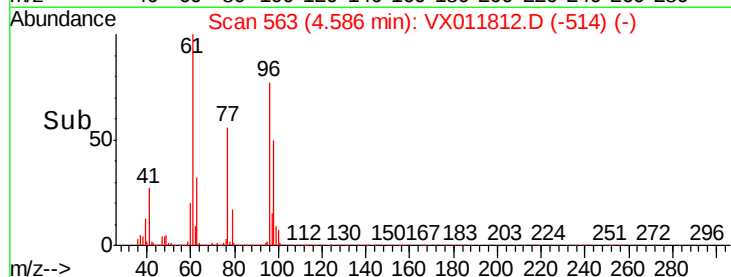
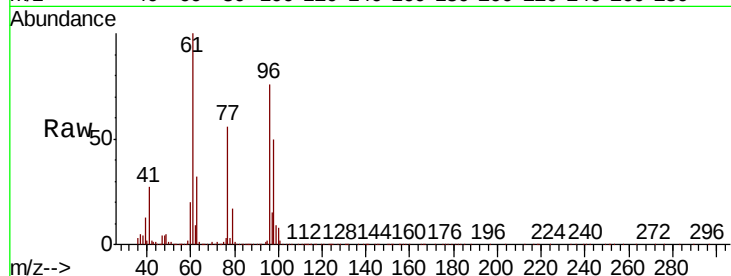


#27

cis-1,2-Dichloroethene
Concen: 48.748 ug/l
RT: 4.59 min Scan# 563
Delta R.T. 0.00 min
Lab File: VX011812.D
Acq: 23 Aug 2019 20:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

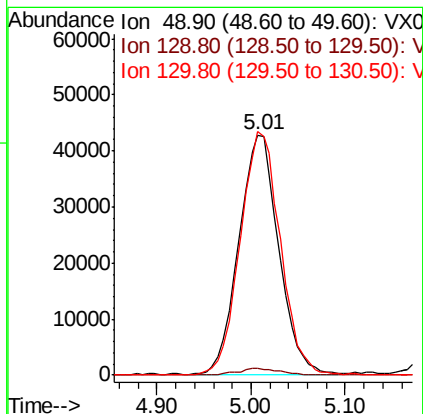
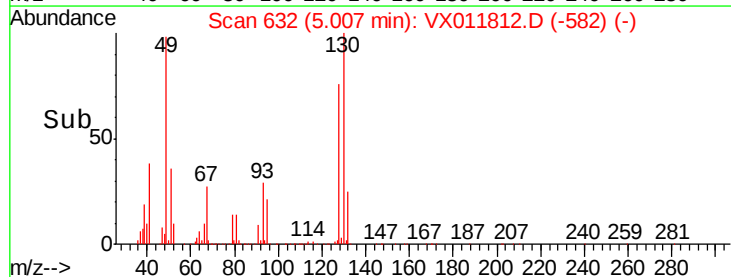
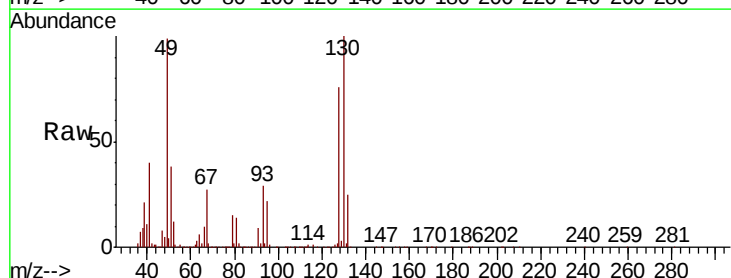
Tgt Ion: 96 Resp: 195400
Ion Ratio Lower Upper
96 100
61 130.4 0.0 275.8
98 64.6 0.0 128.2

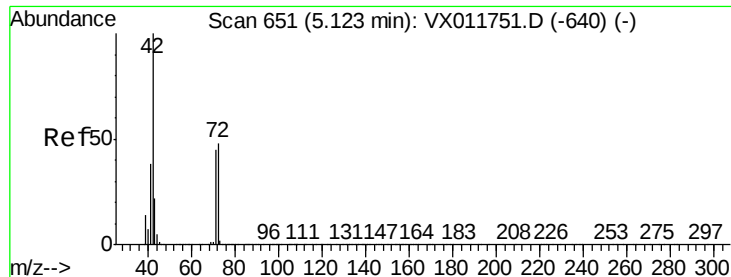


#28

Bromochloromethane
Concen: 47.740 ug/l
RT: 5.01 min Scan# 632
Delta R.T. 0.01 min
Lab File: VX011812.D
Acq: 23 Aug 2019 20:45

Tgt Ion: 49 Resp: 125667
Ion Ratio Lower Upper
49 100
129 3.1 0.0 5.8
130 103.3 76.8 115.2





#29

Tetrahydrofuran

Concen: 251.133 ug/l

RT: 5.12 min Scan# 650

Delta R.T. -0.01 min

Lab File: VX011812.D

Acq: 23 Aug 2019 20:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

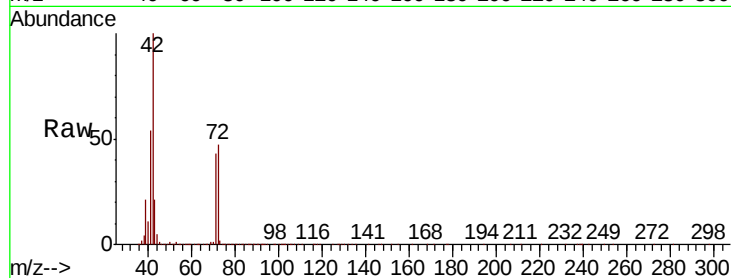
Tgt Ion: 42 Resp: 416309

Ion Ratio Lower Upper

42 100

72 47.1 37.6 56.4

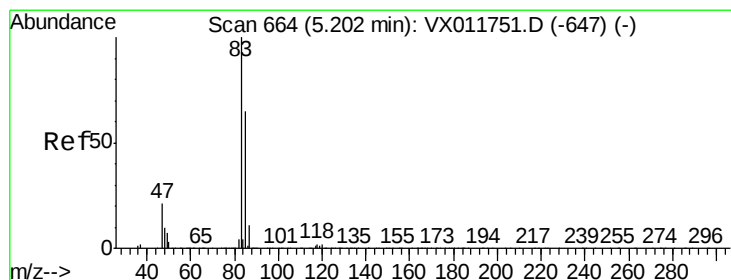
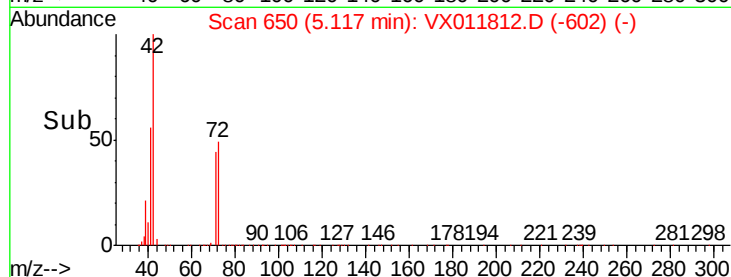
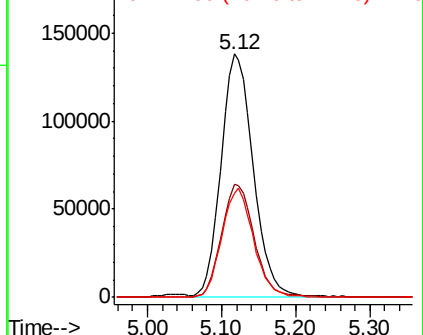
71 44.3 34.6 51.8



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 46.168 ug/l

RT: 5.20 min Scan# 664

Delta R.T. 0.00 min

Lab File: VX011812.D

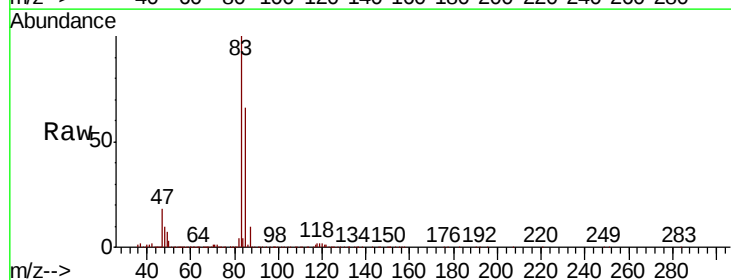
Acq: 23 Aug 2019 20:45

Tgt Ion: 83 Resp: 290460

Ion Ratio Lower Upper

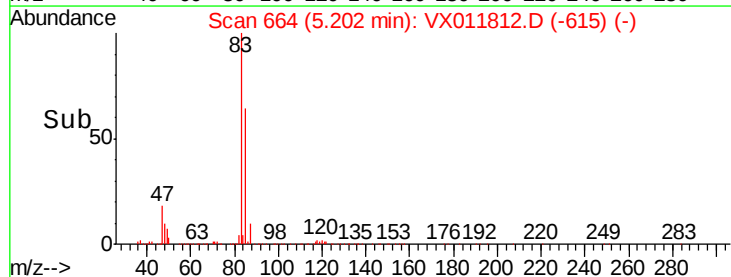
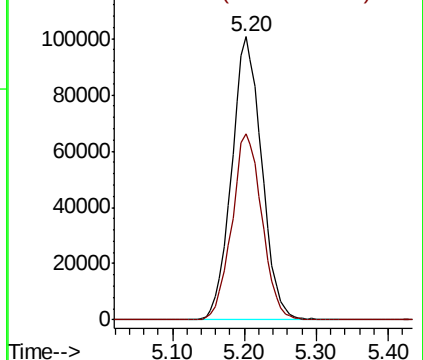
83 100

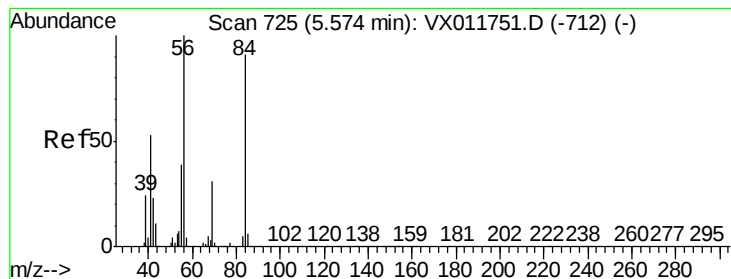
85 65.9 51.8 77.8



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 49.631 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX011812.D

Acq: 23 Aug 2019 20:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

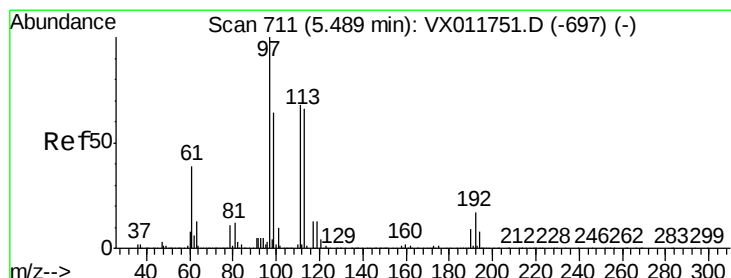
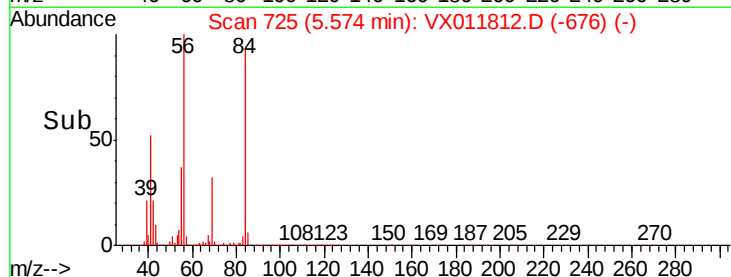
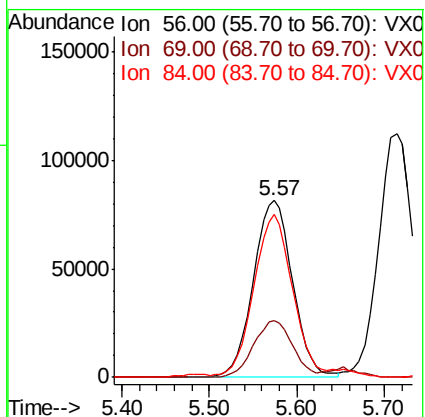
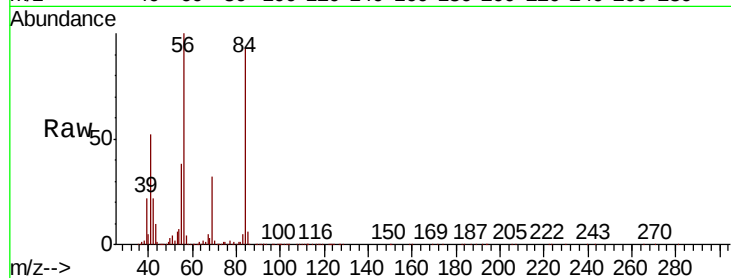
Tgt Ion: 56 Resp: 252763

Ion Ratio Lower Upper

56 100

69 32.2 24.5 36.7

84 90.7 72.7 109.1



#32

1,1,1-Trichloroethane

Concen: 46.874 ug/l

RT: 5.49 min Scan# 711

Delta R.T. 0.00 min

Lab File: VX011812.D

Acq: 23 Aug 2019 20:45

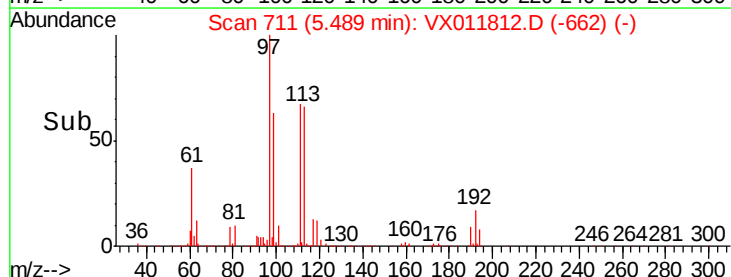
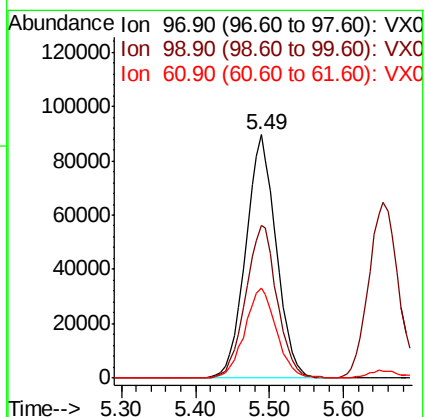
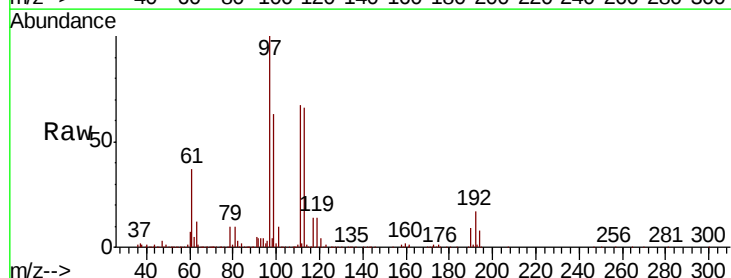
Tgt Ion: 97 Resp: 256350

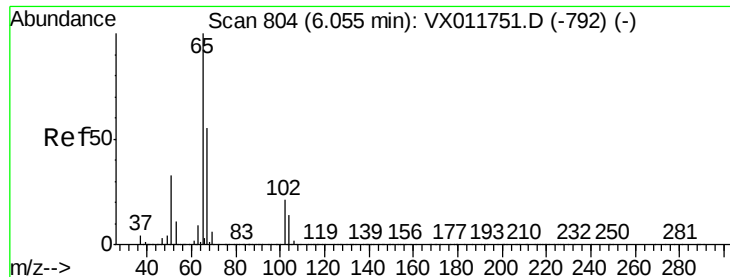
Ion Ratio Lower Upper

97 100

99 64.8 51.4 77.0

61 38.6 31.6 47.4

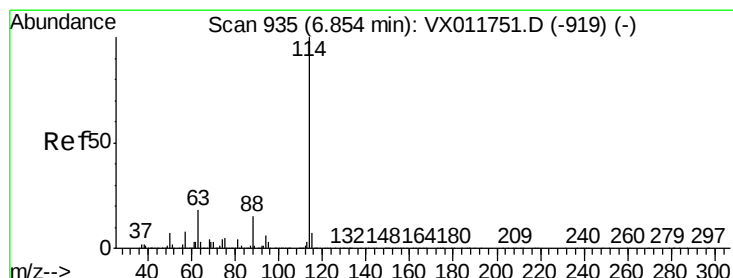
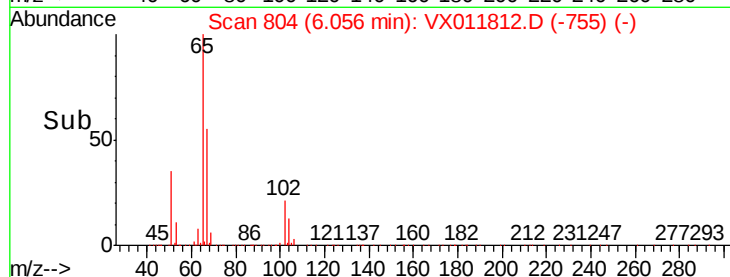
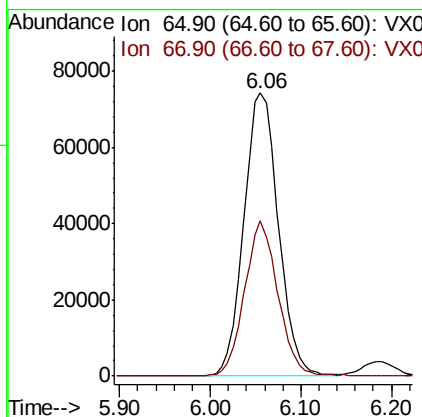
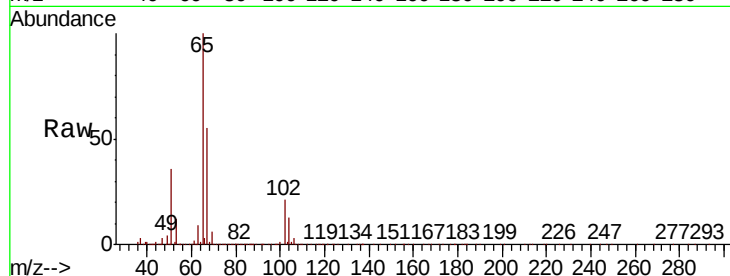




#33
 1,2-Dichloroethane-d4
 Concen: 47.055 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX011812.D
 Acq: 23 Aug 2019 20:45

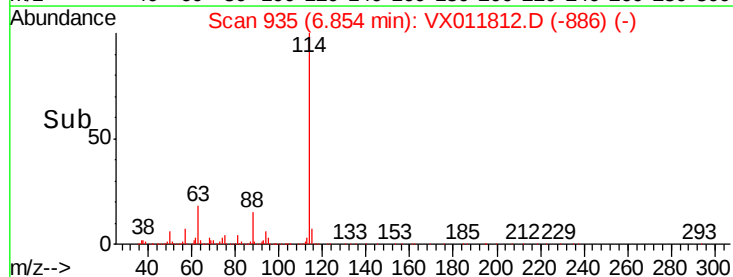
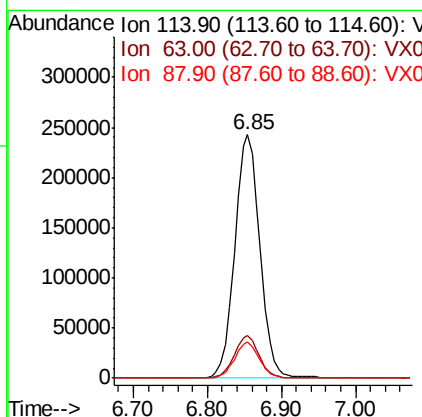
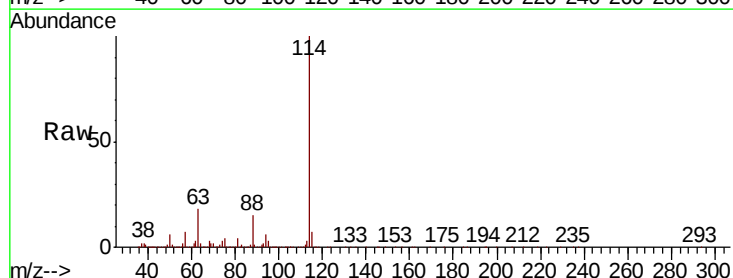
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

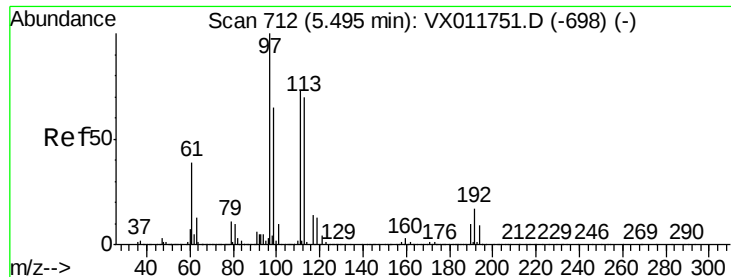
Tgt Ion: 65 Resp: 194889
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VX011812.D
 Acq: 23 Aug 2019 20:45

Tgt Ion: 114 Resp: 573471
 Ion Ratio Lower Upper
 114 100
 63 17.5 0.0 36.8
 88 14.7 0.0 30.2





#35

Dibromofluoromethane

Concen: 44.846 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX011812.D

Acq: 23 Aug 2019 20:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

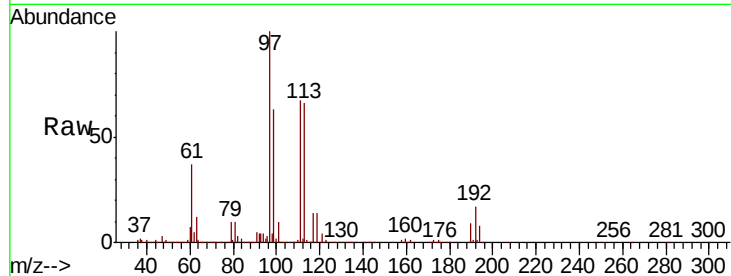
Tgt Ion:113 Resp: 166302

Ion Ratio Lower Upper

113 100

111 102.6 81.0 121.4

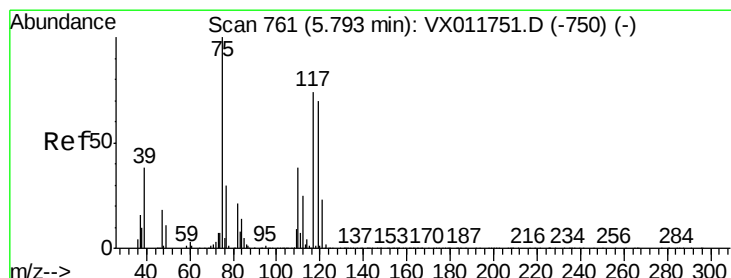
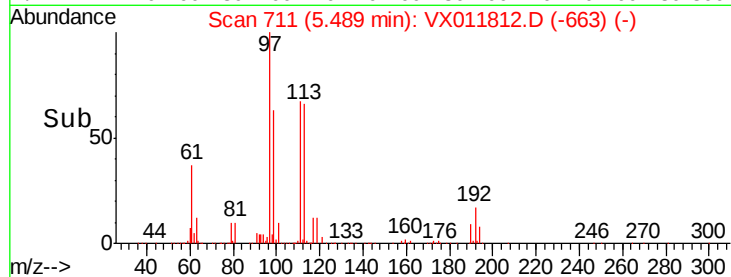
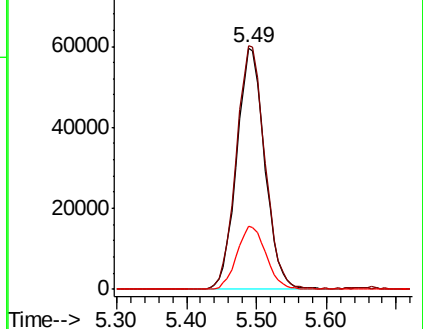
192 27.2 19.9 29.9



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 49.460 ug/l

RT: 5.79 min Scan# 761

Delta R.T. 0.00 min

Lab File: VX011812.D

Acq: 23 Aug 2019 20:45

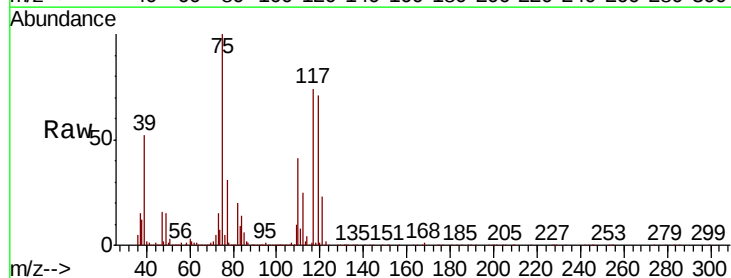
Tgt Ion: 75 Resp: 222422

Ion Ratio Lower Upper

75 100

110 40.5 19.0 57.0

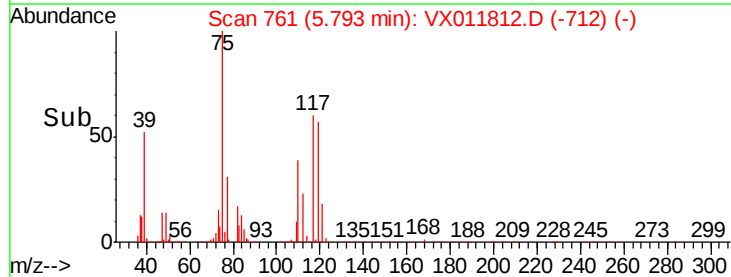
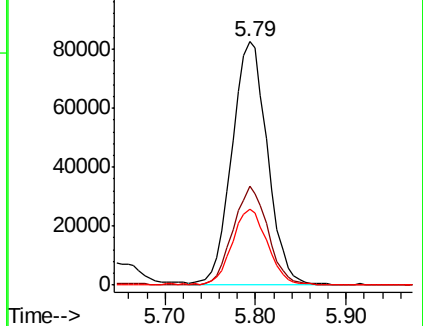
77 31.1 24.6 36.8

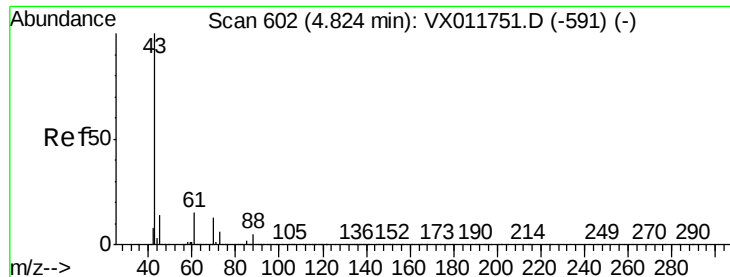


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

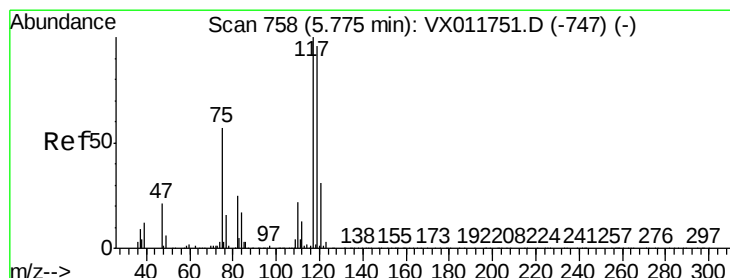
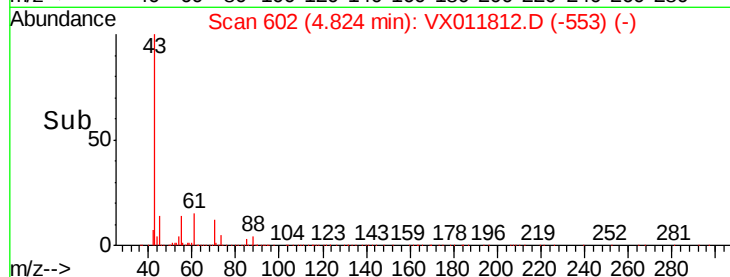
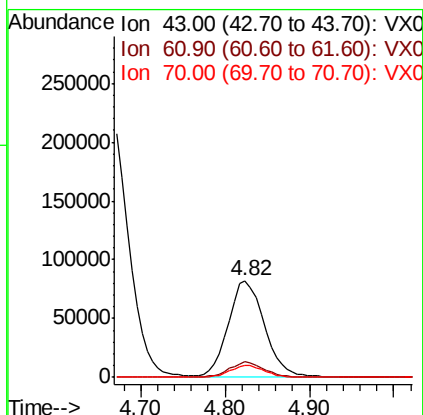
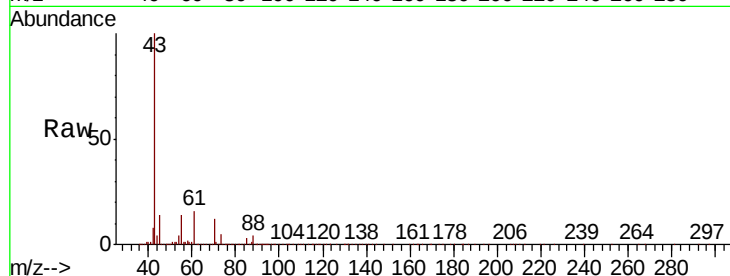




#37
Ethyl Acetate
Concen: 49.500 ug/l
RT: 4.82 min Scan# 602
Delta R.T. 0.00 min
Lab File: VX011812.D
Acq: 23 Aug 2019 20:45

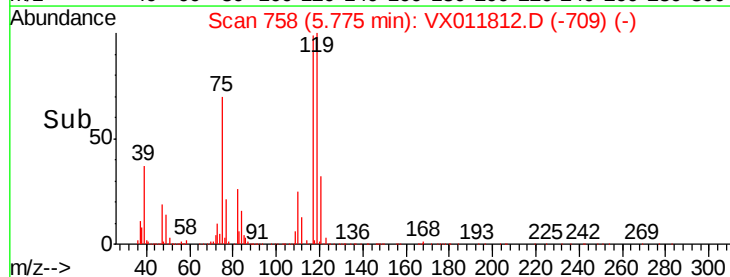
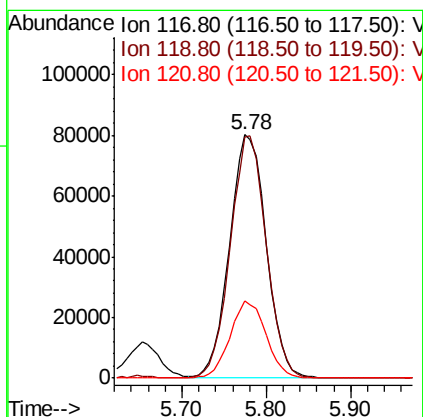
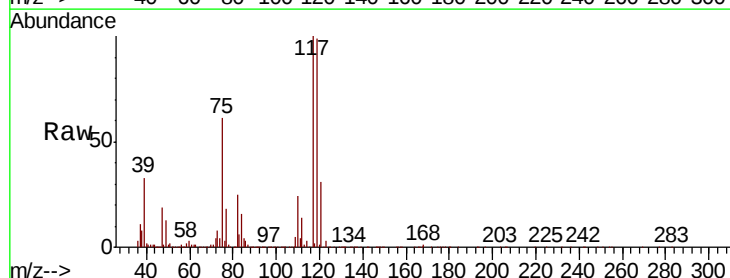
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

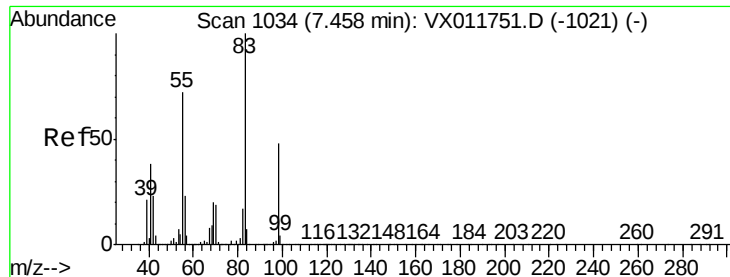
Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.5	17.3
70	12.1	9.5	14.3



#38
Carbon Tetrachloride
Concen: 46.272 ug/l
RT: 5.78 min Scan# 758
Delta R.T. 0.00 min
Lab File: VX011812.D
Acq: 23 Aug 2019 20:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.2	76.6	114.8
121	31.4	25.2	37.8

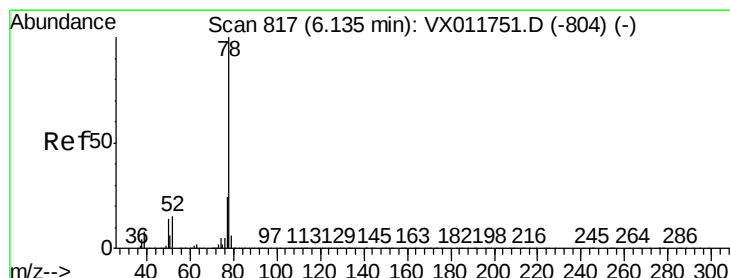
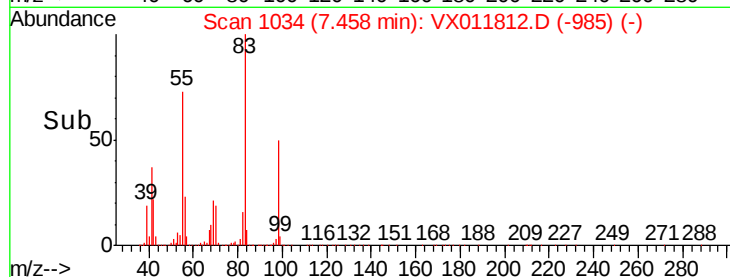
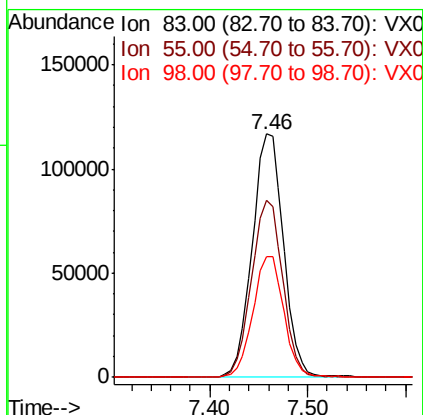
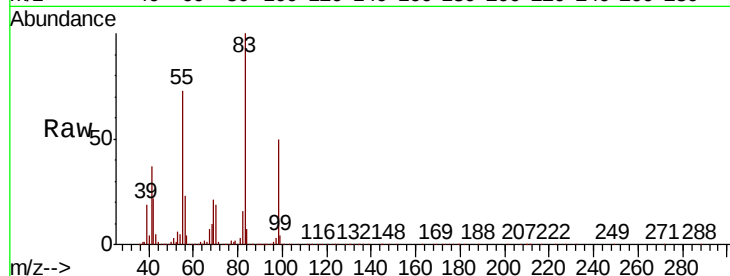




#39
Methylcyclohexane
Concen: 46.906 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX011812.D
Acq: 23 Aug 2019 20:45

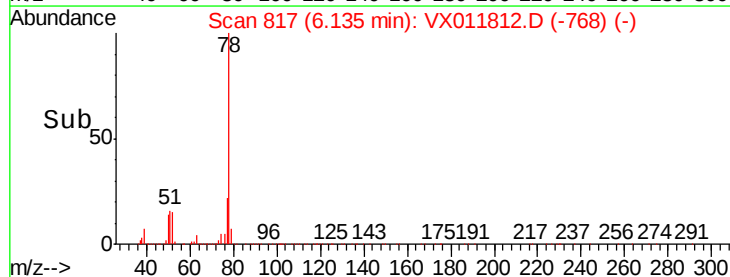
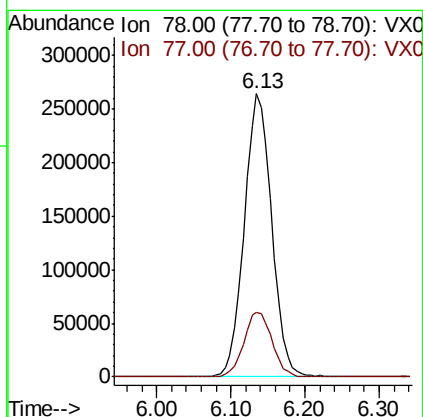
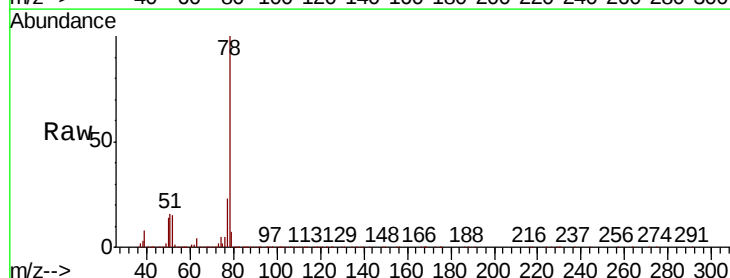
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

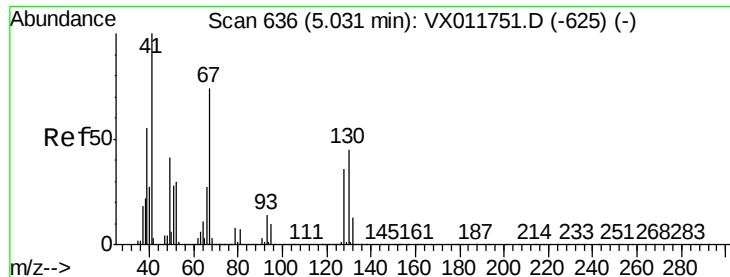
Tgt Ion	Ratio	Lower	Upper
83	100		
55	72.8	57.8	86.6
98	49.5	38.6	58.0



#40
Benzene
Concen: 48.897 ug/l
RT: 6.13 min Scan# 817
Delta R.T. 0.00 min
Lab File: VX011812.D
Acq: 23 Aug 2019 20:45

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.6	19.1	28.7

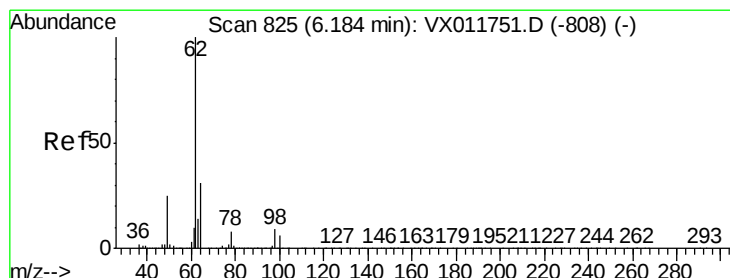
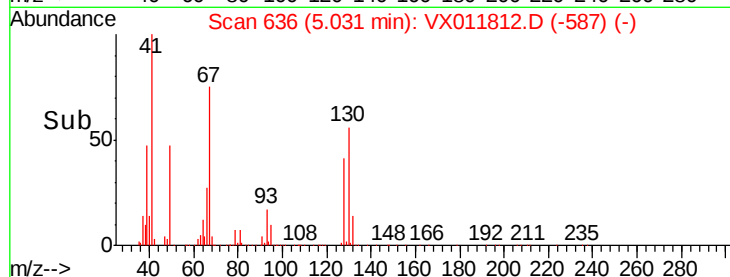
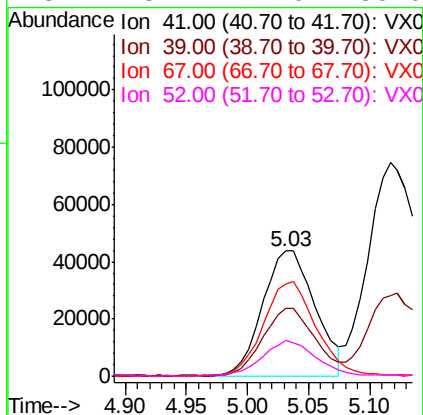
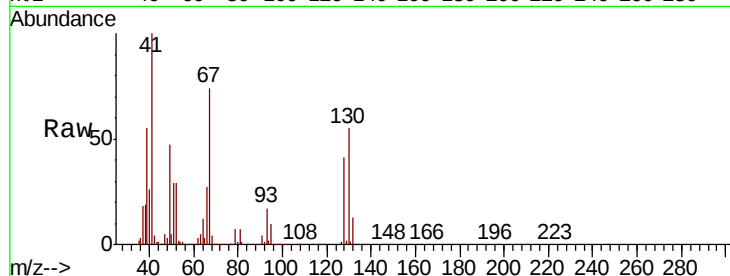




#41
Methacrylonitrile
Concen: 47.554 ug/l
RT: 5.03 min Scan# 636
Delta R.T. 0.00 min
Lab File: VX011812.D
Acq: 23 Aug 2019 20:45

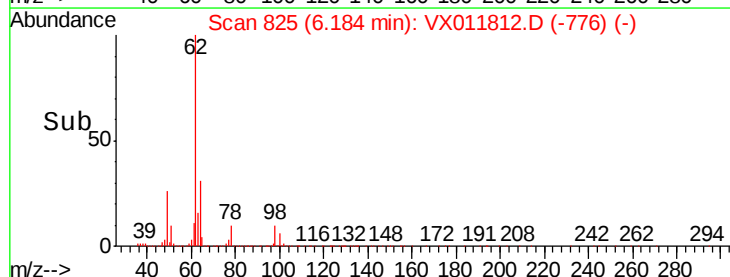
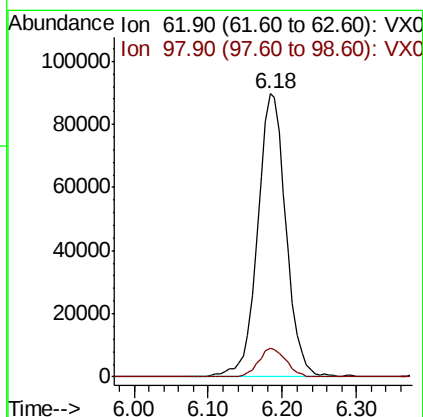
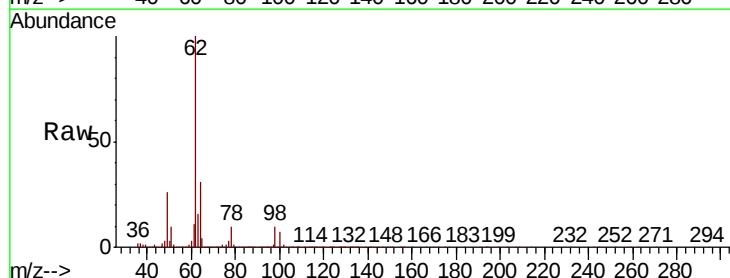
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

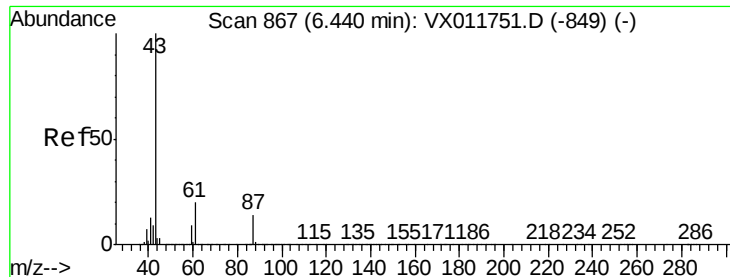
Tgt Ion:	41	Resp:	131617
Ion	Ratio	Lower	Upper
41	100		
39	52.7	44.3	66.5
67	75.3	60.3	90.5
52	28.2	24.0	36.0



#42
1,2-Dichloroethane
Concen: 46.546 ug/l
RT: 6.18 min Scan# 825
Delta R.T. 0.00 min
Lab File: VX011812.D
Acq: 23 Aug 2019 20:45

Tgt Ion:	62	Resp:	236703
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	18.8





#43

Isopropyl Acetate

Concen: 48.323 ug/l

RT: 6.44 min Scan# 867

Delta R.T. 0.00 min

Lab File: VX011812.D

Acq: 23 Aug 2019 20:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

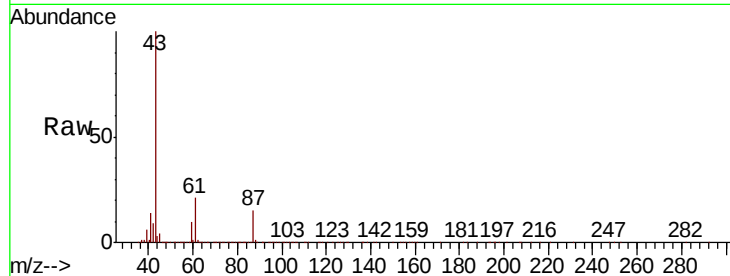
Tgt Ion: 43 Resp: 372212

Ion Ratio Lower Upper

43 100

61 21.1 16.2 24.2

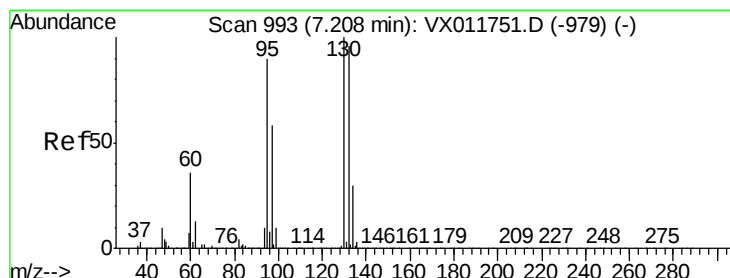
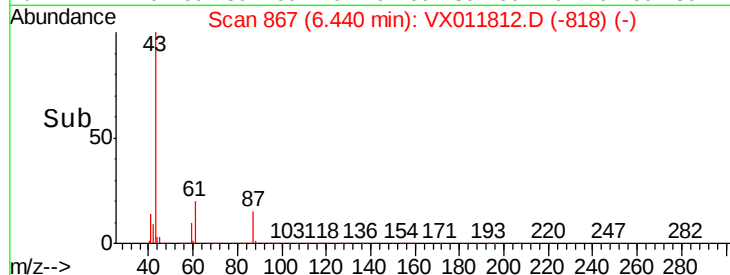
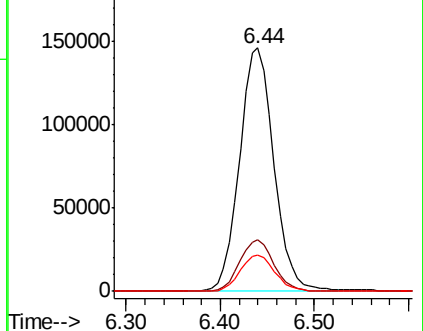
87 15.1 11.6 17.4



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: 47.776 ug/l

RT: 7.21 min Scan# 993

Delta R.T. 0.00 min

Lab File: VX011812.D

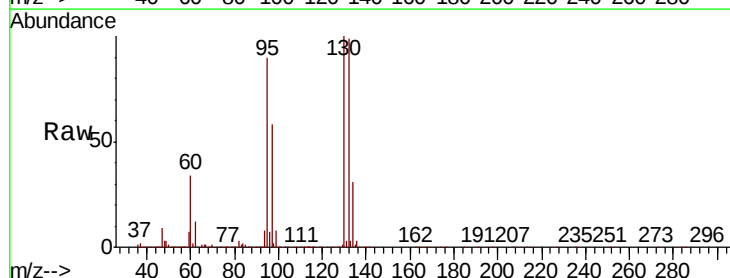
Acq: 23 Aug 2019 20:45

Tgt Ion: 130 Resp: 204880

Ion Ratio Lower Upper

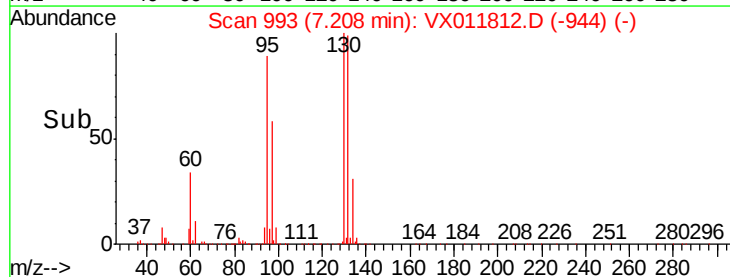
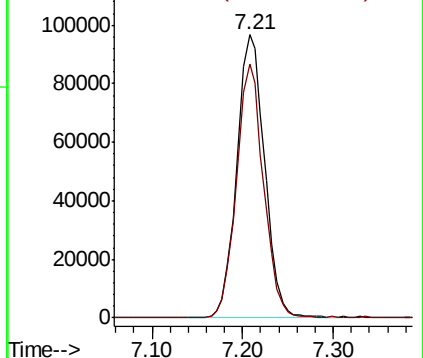
130 100

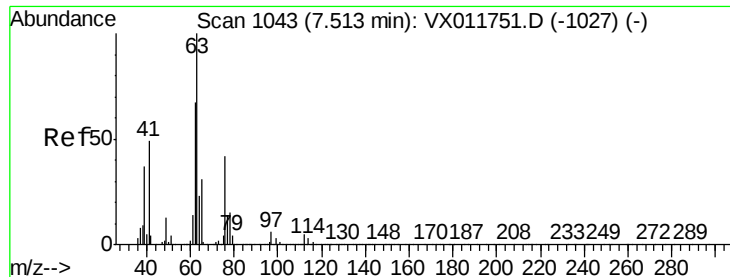
95 89.6 0.0 179.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

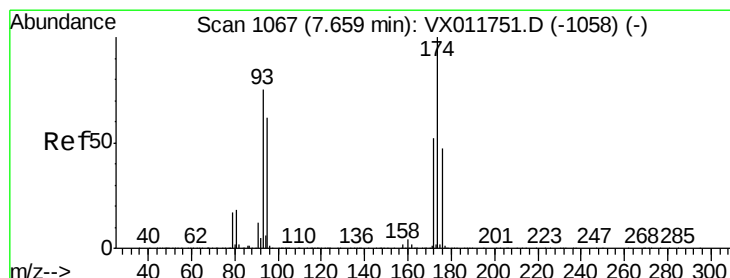
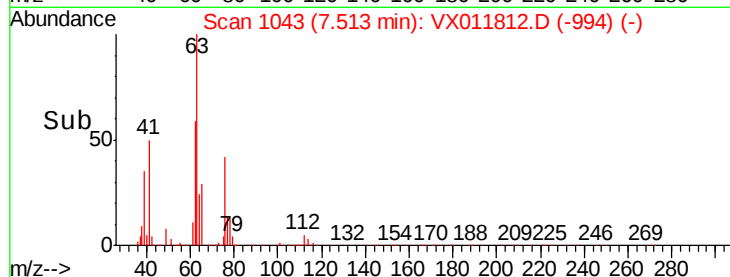
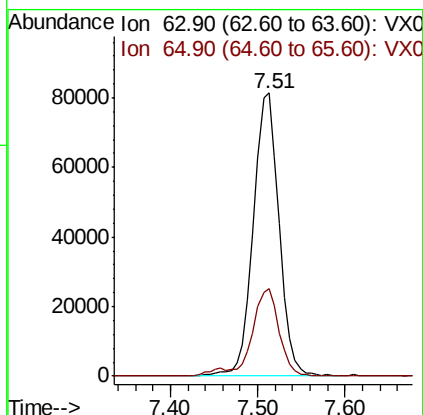
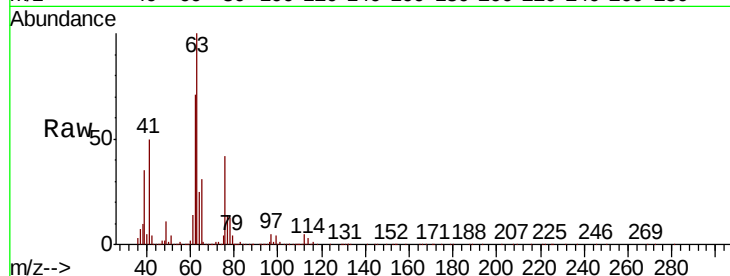




#45
 1,2-Dichloropropane
 Concen: 47.344 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX011812.D
 Acq: 23 Aug 2019 20:45

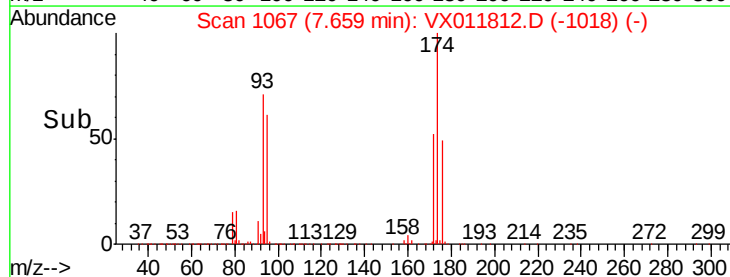
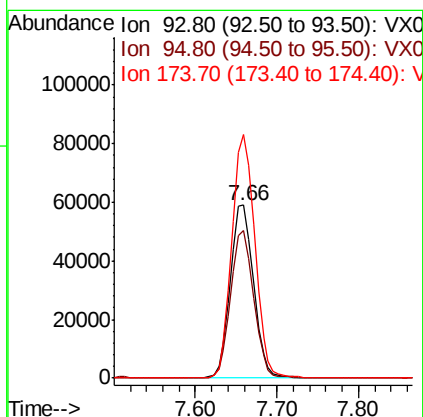
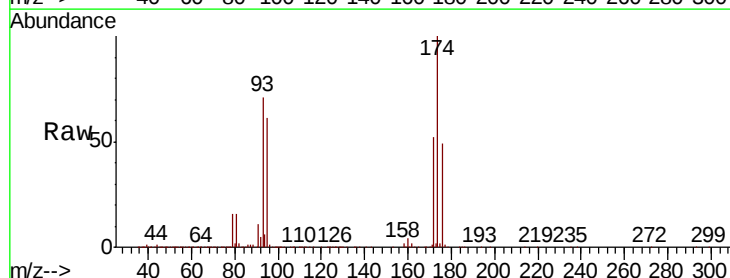
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

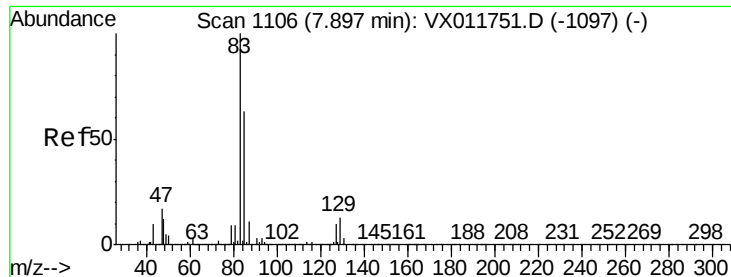
Tgt Ion: 63 Resp: 165546
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.8 37.2



#46
 Dibromomethane
 Concen: 45.135 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX011812.D
 Acq: 23 Aug 2019 20:45

Tgt Ion: 93 Resp: 116357
 Ion Ratio Lower Upper
 93 100
 95 83.7 66.2 99.2
 174 139.2 104.2 156.4





#47

Bromodichloromethane

Concen: 44.188 ug/l

RT: 7.89 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VX011812.D

Acq: 23 Aug 2019 20:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

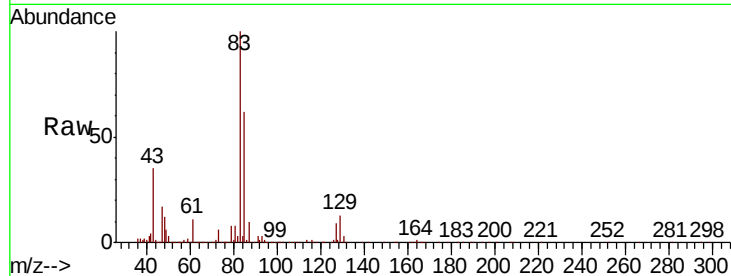
Tgt Ion: 83 Resp: 205063

Ion Ratio Lower Upper

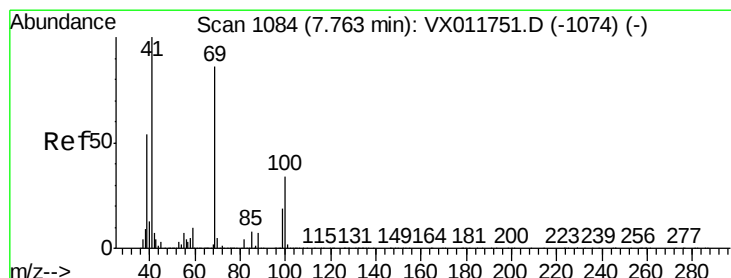
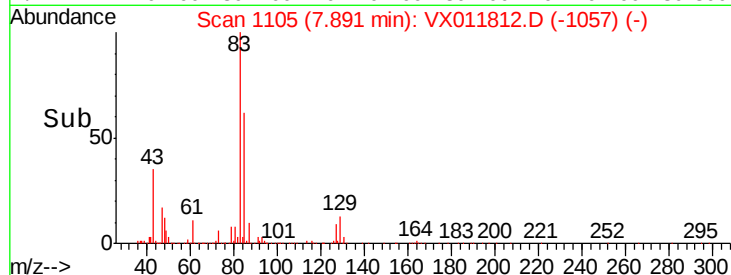
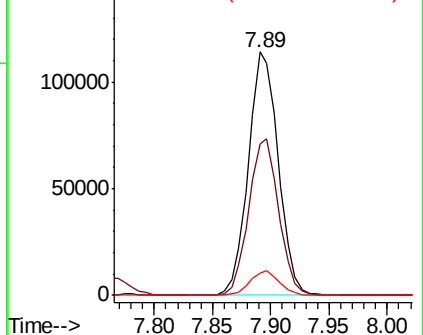
83 100

85 62.0 50.6 76.0

127 9.0 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: 48.014 ug/l

RT: 7.76 min Scan# 1084

Delta R.T. 0.00 min

Lab File: VX011812.D

Acq: 23 Aug 2019 20:45

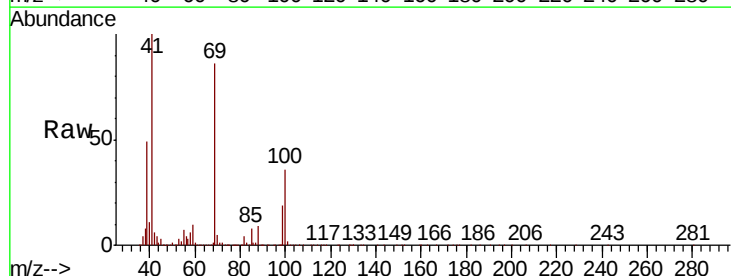
Tgt Ion: 41 Resp: 184050

Ion Ratio Lower Upper

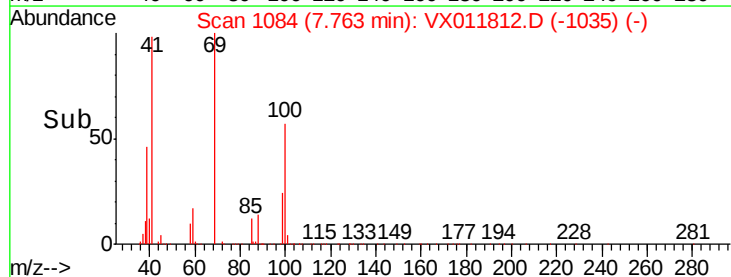
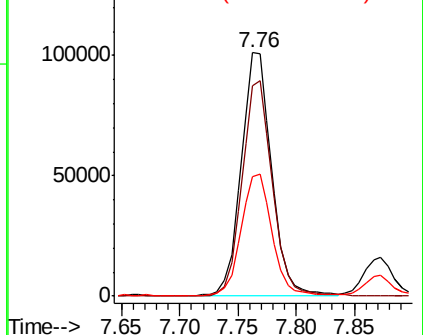
41 100

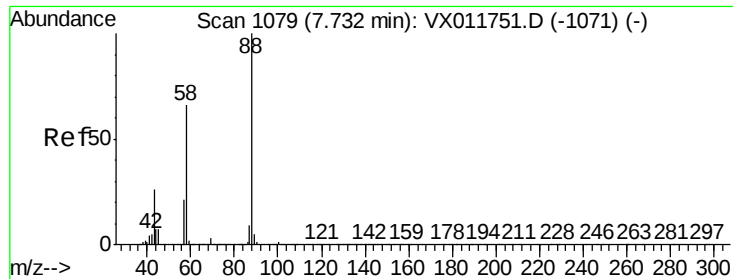
69 87.8 69.4 104.2

39 50.7 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

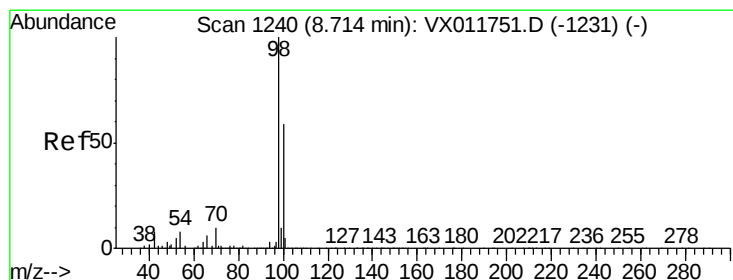
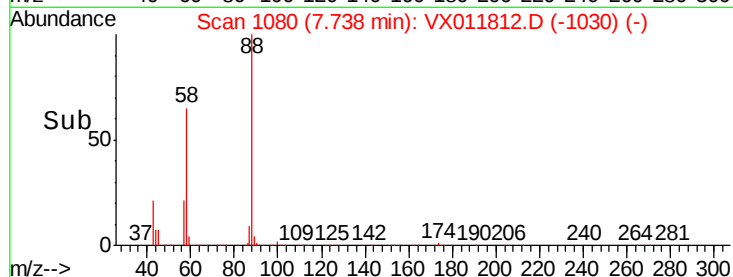
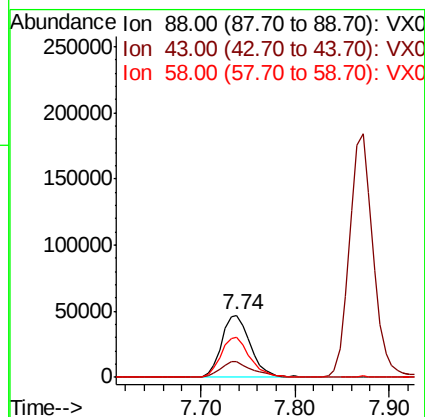
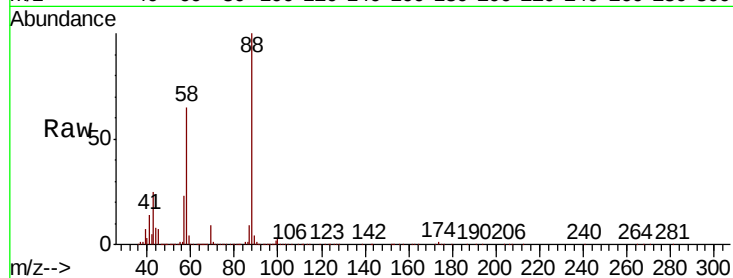




#49
1,4-Dioxane
Concen: 936.109 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.01 min
Lab File: VX011812.D
Acq: 23 Aug 2019 20:45

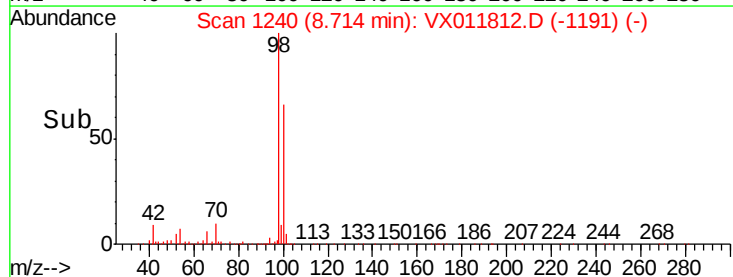
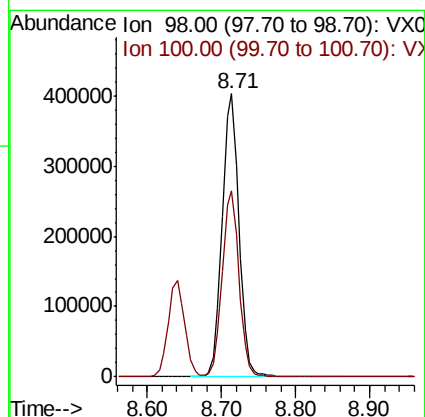
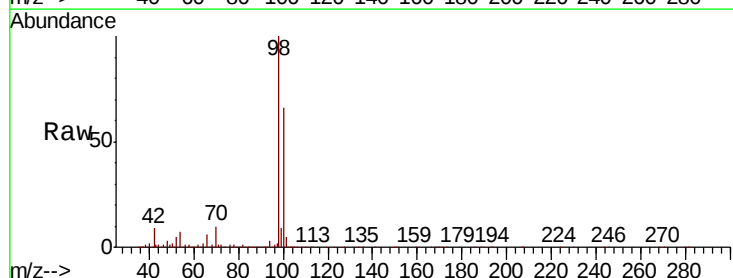
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

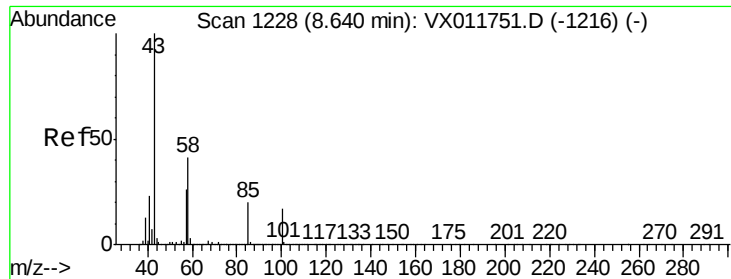
Tgt Ion: 88 Resp: 99423
Ion Ratio Lower Upper
88 100
43 28.9 24.6 37.0
58 64.9 51.4 77.2



#50
Toluene-d8
Concen: 48.570 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011812.D
Acq: 23 Aug 2019 20:45

Tgt Ion: 98 Resp: 628226
Ion Ratio Lower Upper
98 100
100 65.4 52.1 78.1

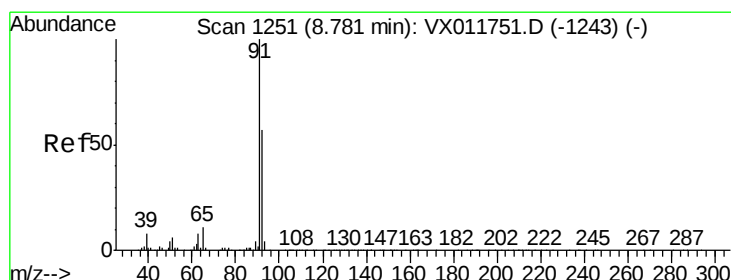
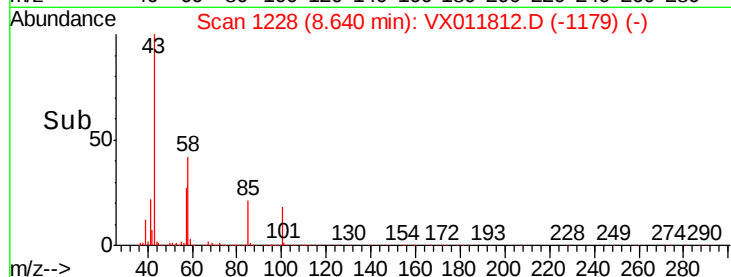
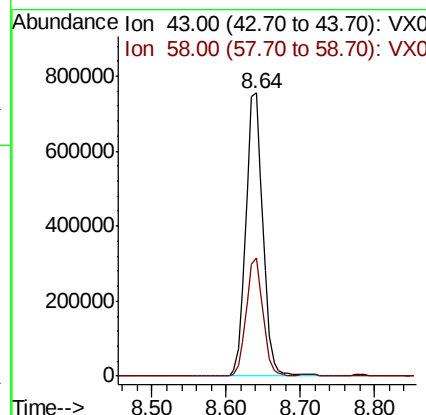
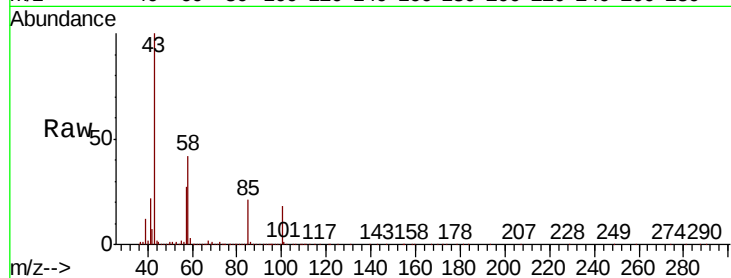




#51
4-Methyl-2-Pentanone
Concen: 240.128 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX011812.D
Acq: 23 Aug 2019 20:45

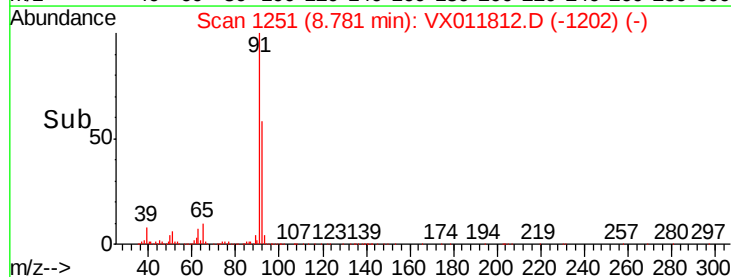
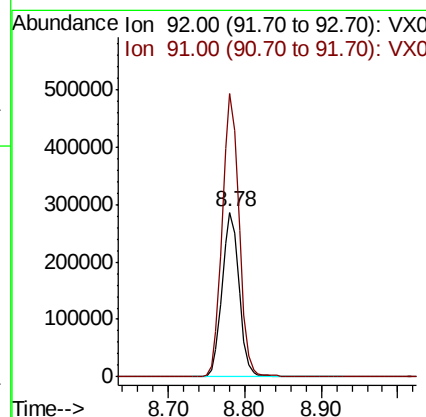
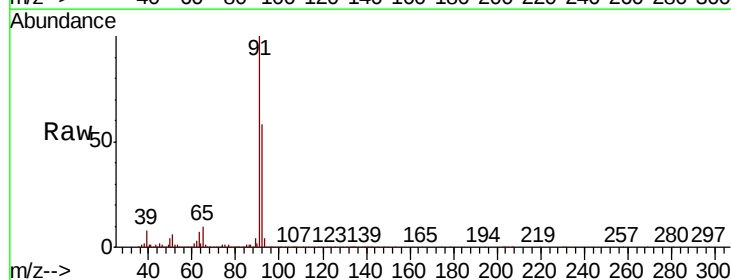
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

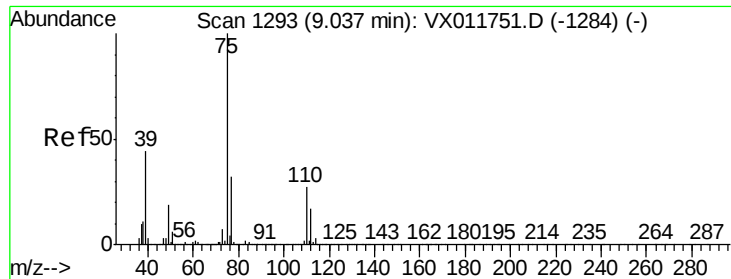
Tgt Ion: 43 Resp: 1218740
Ion Ratio Lower Upper
43 100
58 40.7 31.8 47.6



#52
Toluene
Concen: 49.035 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VX011812.D
Acq: 23 Aug 2019 20:45

Tgt Ion: 92 Resp: 441434
Ion Ratio Lower Upper
92 100
91 171.5 138.6 207.8





#53

t-1,3-Dichloropropene

Concen: 45.709 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VX011812.D

Acq: 23 Aug 2019 20:45

Instrument :

MSVOA_X

ClientSampleId :

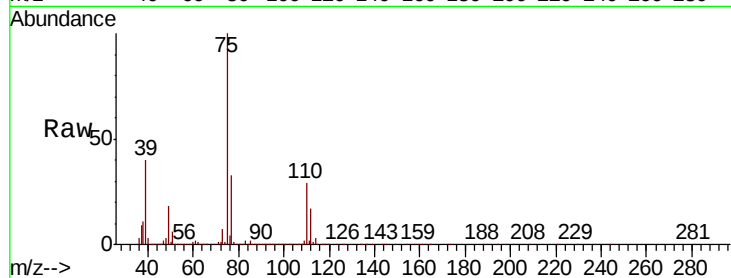
VSTDCCC050EC

Tgt Ion: 75 Resp: 222682

Ion Ratio Lower Upper

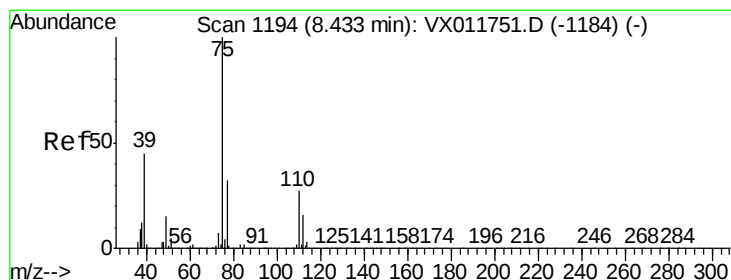
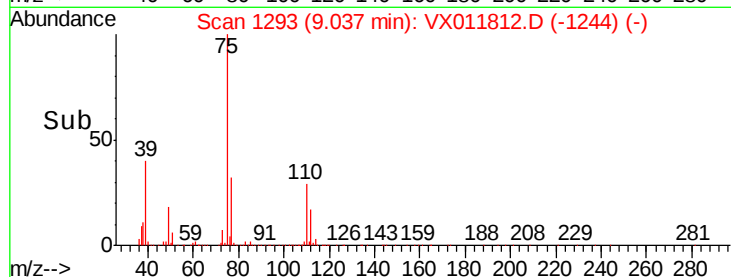
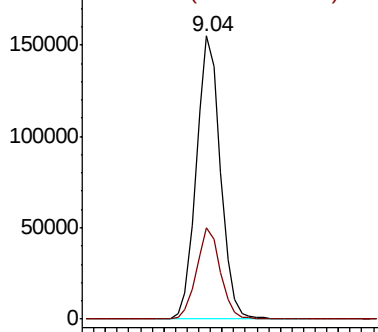
75 100

77 32.4 25.4 38.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 46.526 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX011812.D

Acq: 23 Aug 2019 20:45

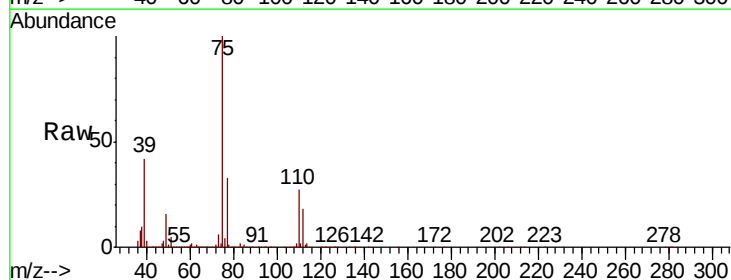
Tgt Ion: 75 Resp: 247270

Ion Ratio Lower Upper

75 100

77 32.6 25.4 38.2

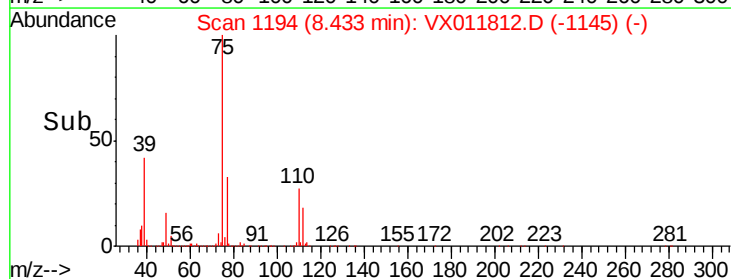
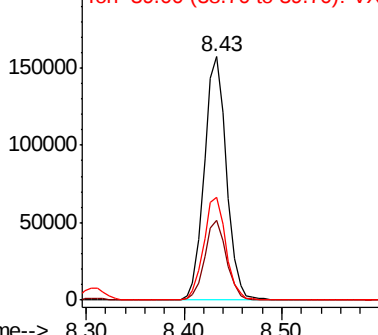
39 42.1 36.2 54.4

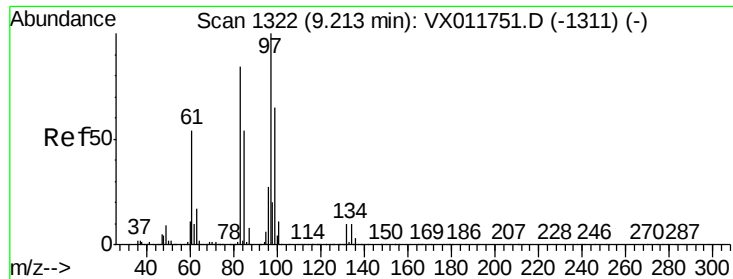


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

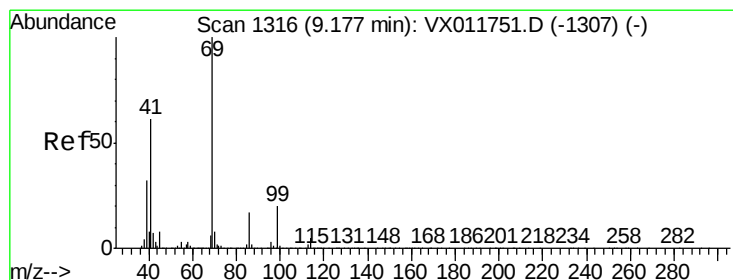
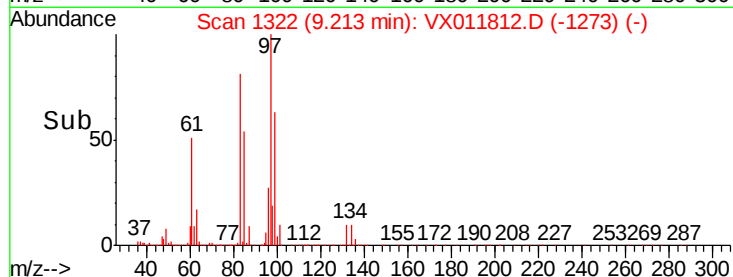
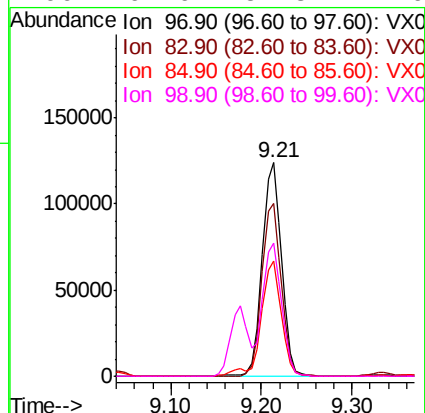
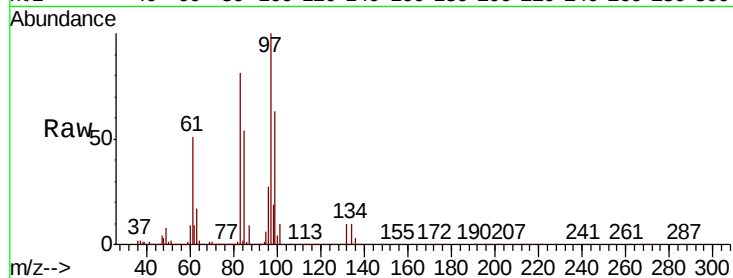




#55
 1,1,2-Trichloroethane
 Concen: 48.743 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX011812.D
 Acq: 23 Aug 2019 20:45

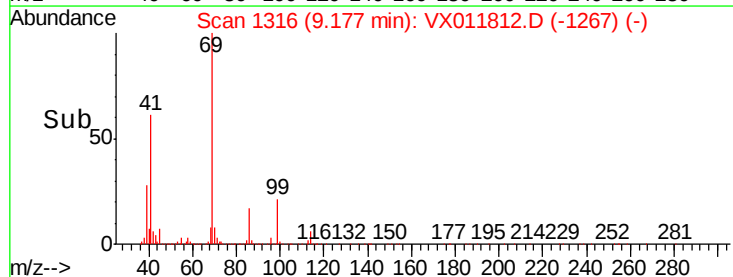
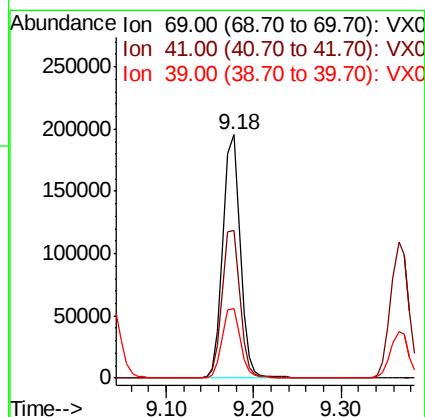
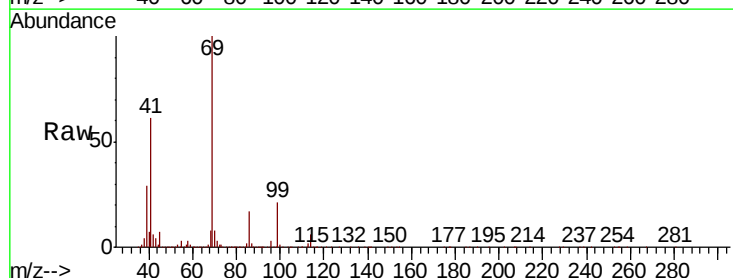
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

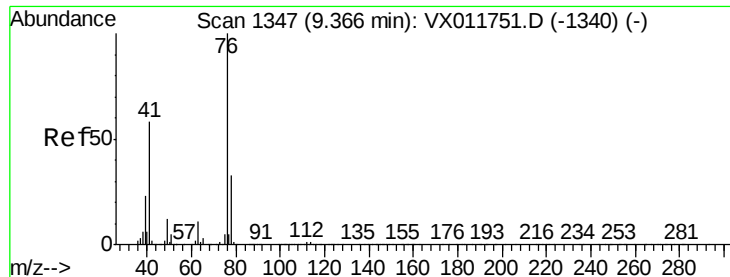
Tgt Ion:	97	Resp:	182816
Ion	Ratio	Lower	Upper
97	100		
83	80.8	67.3	100.9
85	54.1	43.4	65.2
99	62.6	51.8	77.6



#56
 Ethyl methacrylate
 Concen: 50.645 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX011812.D
 Acq: 23 Aug 2019 20:45

Tgt Ion:	69	Resp:	270141
Ion	Ratio	Lower	Upper
69	100		
41	62.4	50.7	76.1
39	29.6	26.4	39.6





#57

1,3-Dichloropropane

Concen: 46.876 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. 0.00 min

Lab File: VX011812.D

Acq: 23 Aug 2019 20:45

Instrument :

MSVOA_X

ClientSampleId :

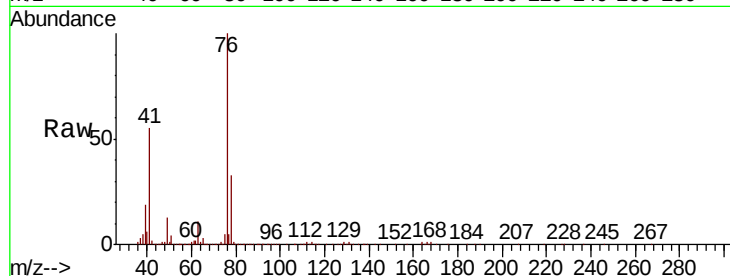
VSTDCCC050EC

Tgt Ion: 76 Resp: 283886

Ion Ratio Lower Upper

76 100

78 32.9 26.6 39.8



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

200000

150000

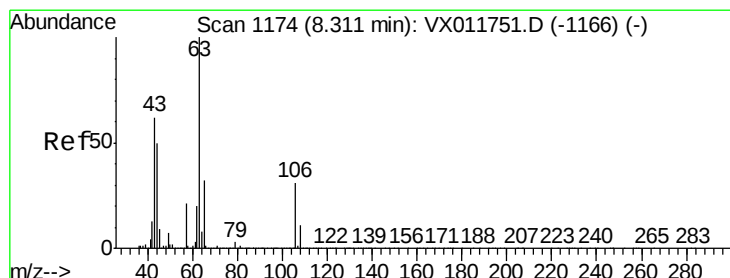
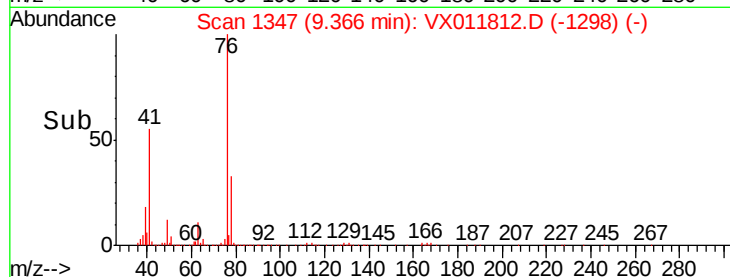
100000

50000

0

Time-->

9.30 9.40 9.50



#58

2-Chloroethyl Vinyl ether

Concen: 256.501 ug/l

RT: 8.31 min Scan# 1173

Delta R.T. -0.01 min

Lab File: VX011812.D

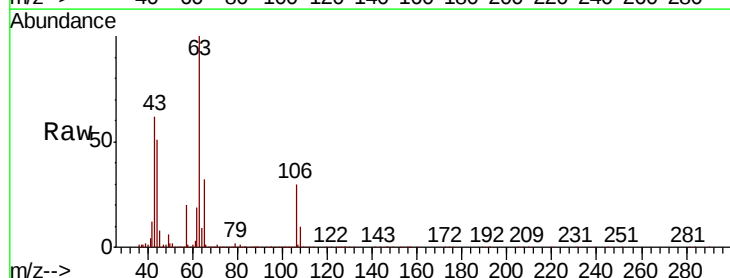
Acq: 23 Aug 2019 20:45

Tgt Ion: 63 Resp: 719710

Ion Ratio Lower Upper

63 100

106 31.5 24.9 37.3



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.31

500000

400000

300000

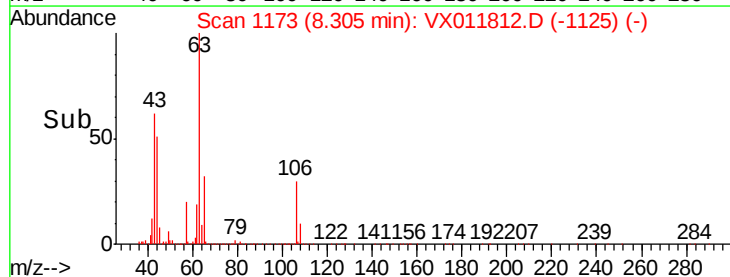
200000

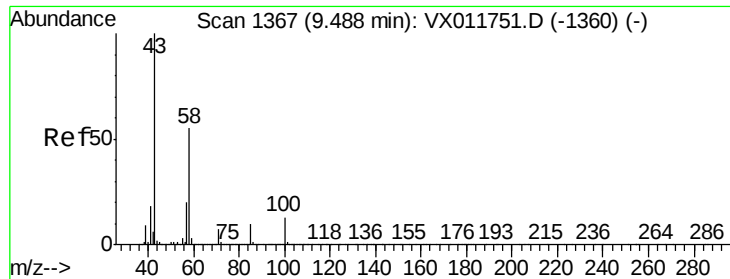
100000

0

Time-->

8.20 8.30 8.40

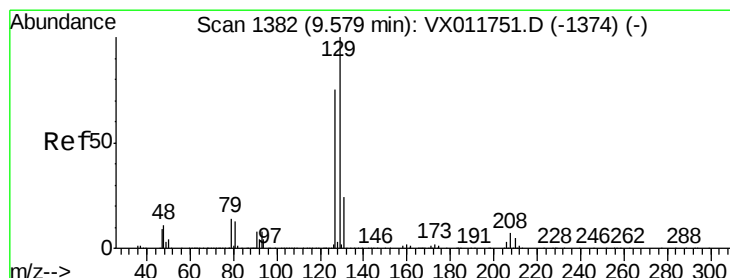
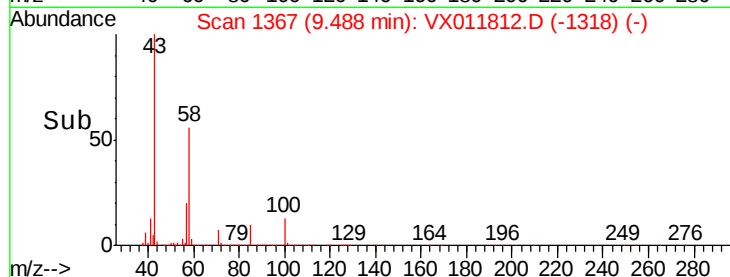
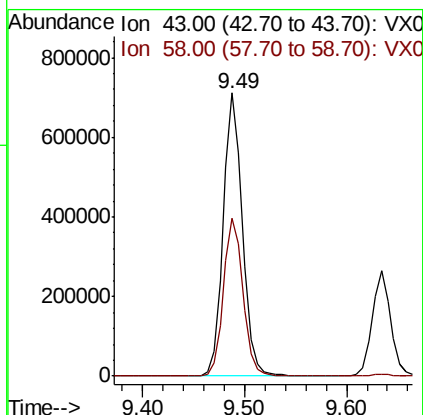
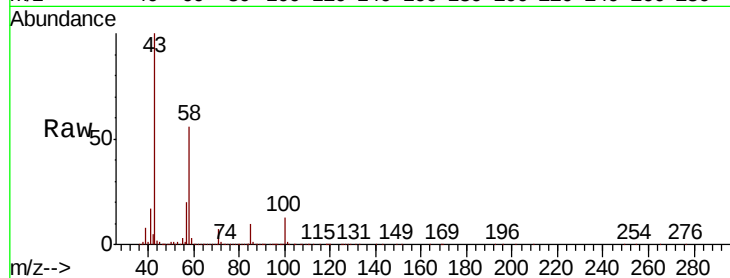




#59
2-Hexanone
Concen: 238.661 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX011812.D
Acq: 23 Aug 2019 20:45

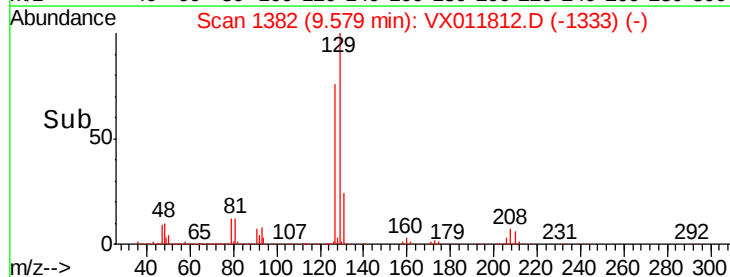
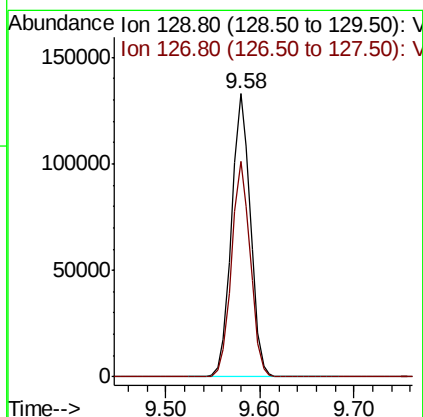
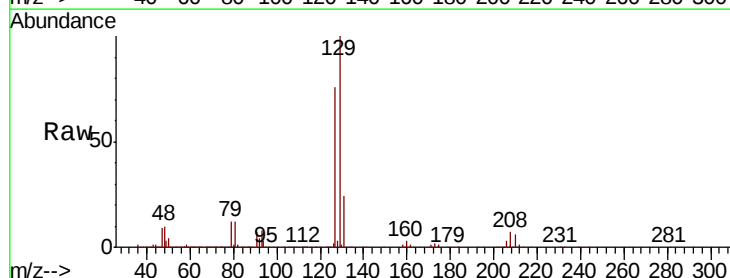
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

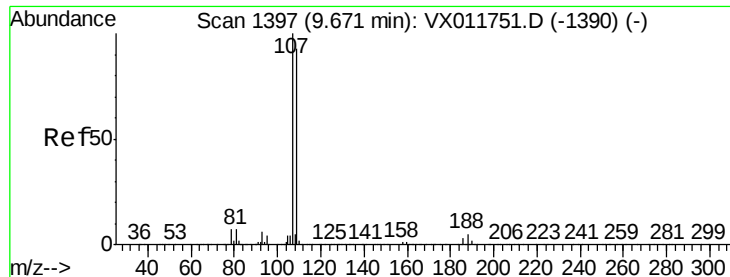
Tgt Ion: 43 Resp: 929704
Ion Ratio Lower Upper
43 100
58 57.0 27.7 83.1



#60
Dibromochloromethane
Concen: 45.629 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011812.D
Acq: 23 Aug 2019 20:45

Tgt Ion: 129 Resp: 185034
Ion Ratio Lower Upper
129 100
127 75.8 38.3 114.8





#61

1,2-Dibromoethane

Concen: 48.336 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX011812.D

Acq: 23 Aug 2019 20:45

Instrument :

MSVOA_X

ClientSampleId :

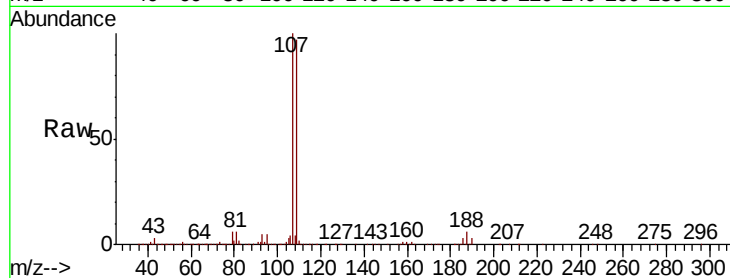
VSTDCCC050EC

Tgt Ion: 107 Resp: 194522

Ion Ratio Lower Upper

107 100

109 94.8 75.8 113.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

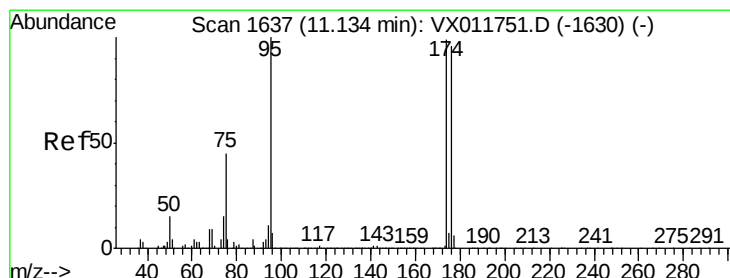
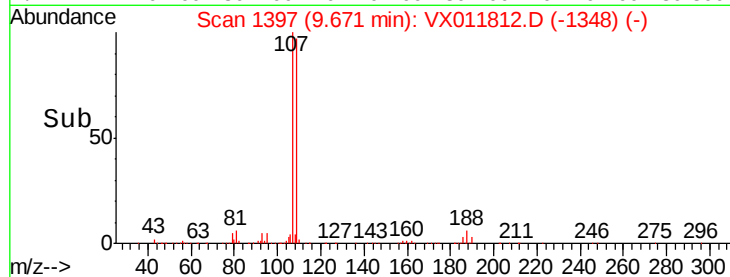
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 44.674 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011812.D

Acq: 23 Aug 2019 20:45

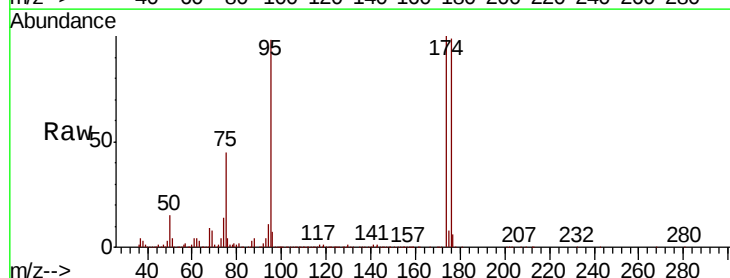
Tgt Ion: 95 Resp: 228395

Ion Ratio Lower Upper

95 100

174 105.0 0.0 197.4

176 101.7 0.0 194.4



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

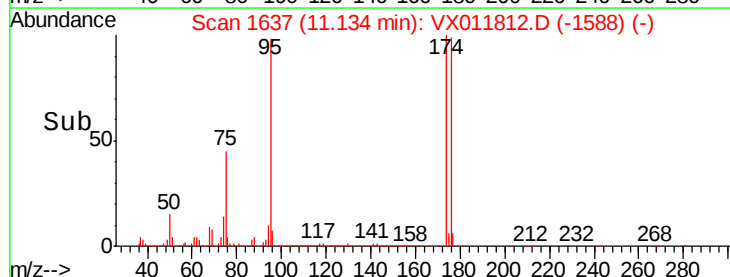
150000

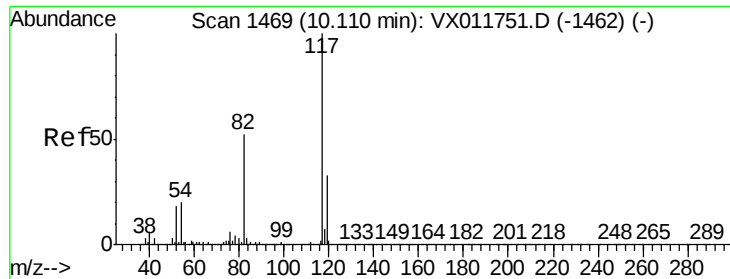
100000

50000

0

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX011812.D

Acq: 23 Aug 2019 20:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

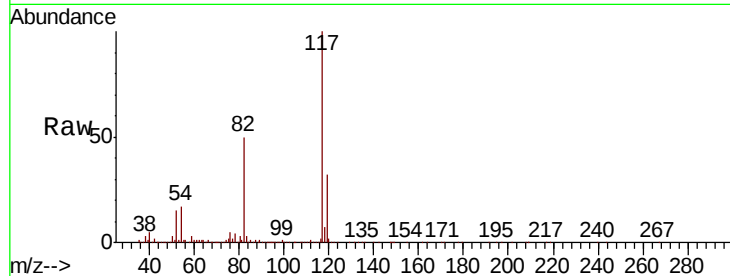
Tgt Ion:117 Resp: 518823

Ion Ratio Lower Upper

117 100

82 49.5 41.7 62.5

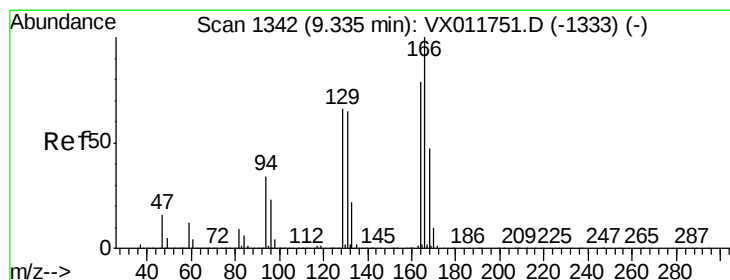
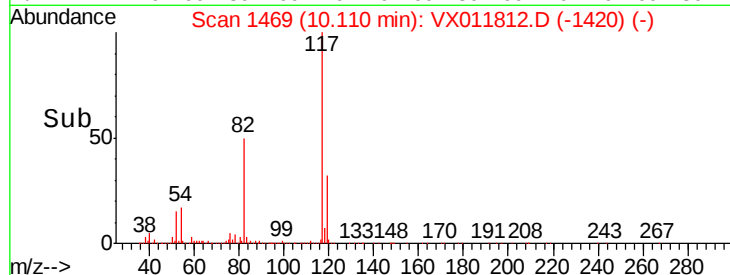
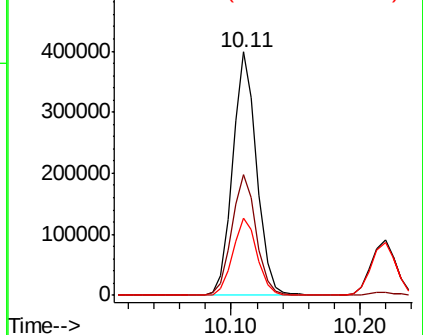
119 31.8 26.2 39.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 50.559 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX011812.D

Acq: 23 Aug 2019 20:45

Tgt Ion:164 Resp: 209267

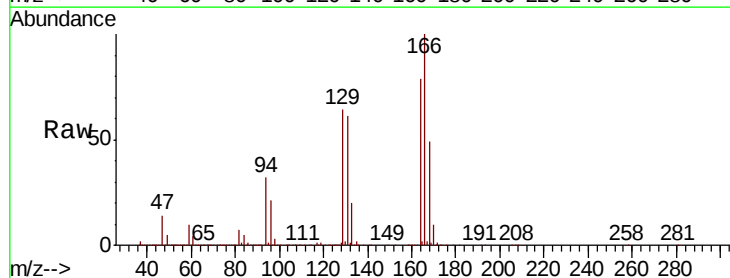
Ion Ratio Lower Upper

164 100

166 126.2 100.7 151.1

129 81.2 66.8 100.2

131 76.8 65.4 98.2

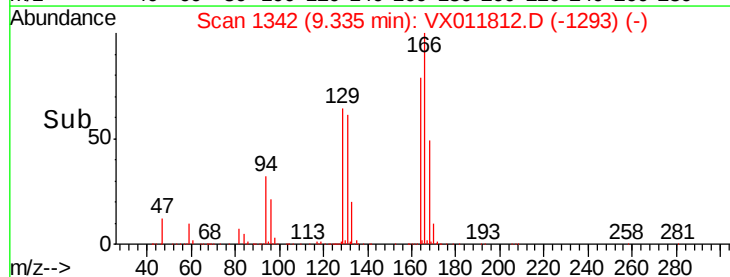
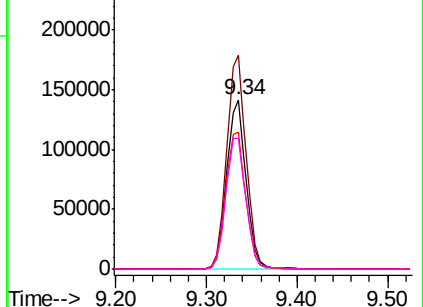


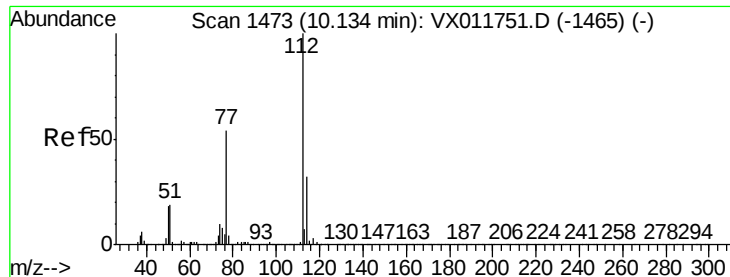
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

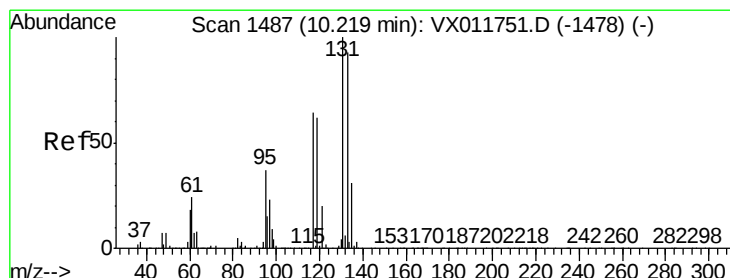
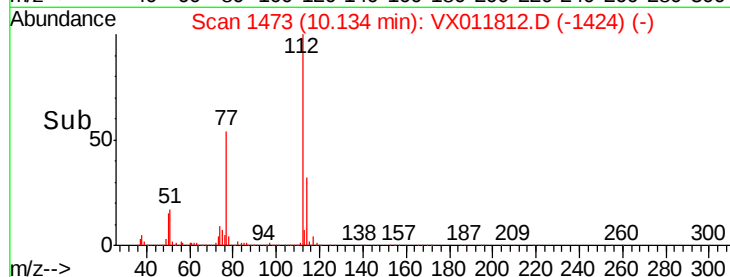
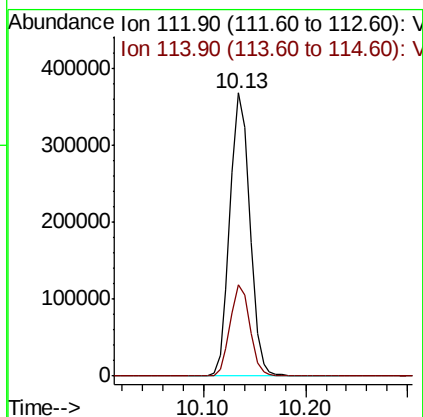
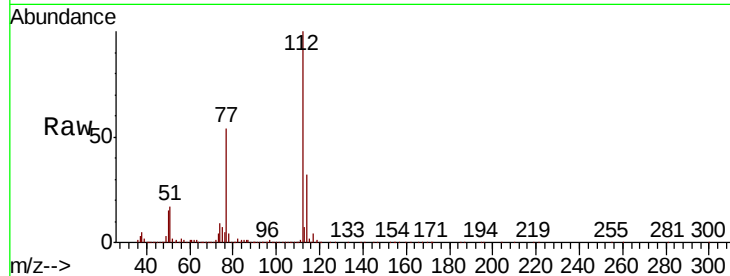




#65
Chlorobenzene
Concen: 49.251 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX011812.D
Acq: 23 Aug 2019 20:45

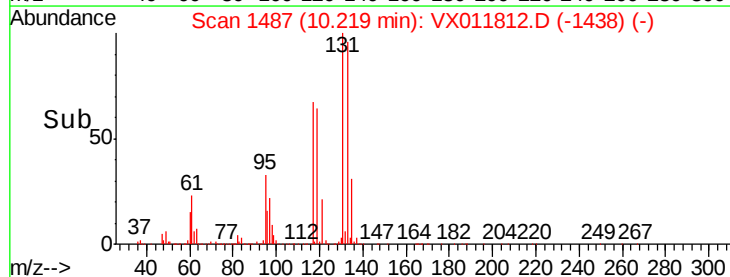
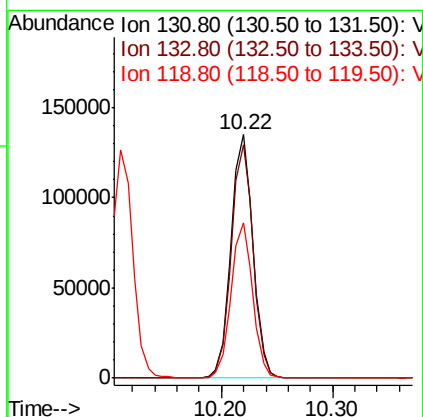
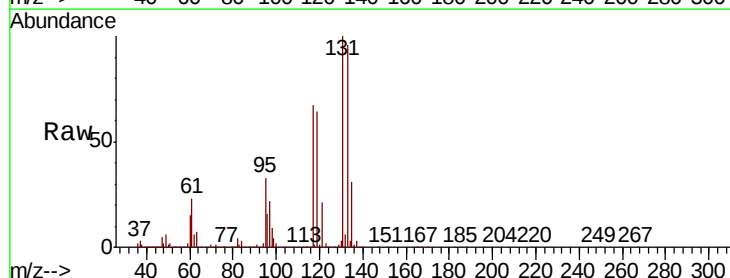
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

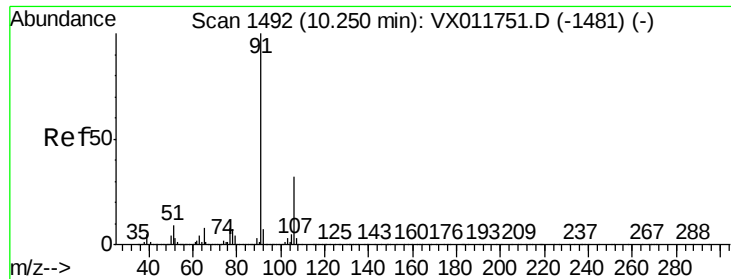
Tgt Ion:112 Resp: 498874
Ion Ratio Lower Upper
112 100
114 32.4 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 48.397 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX011812.D
Acq: 23 Aug 2019 20:45

Tgt Ion:131 Resp: 183671
Ion Ratio Lower Upper
131 100
133 96.0 47.8 143.4
119 62.5 31.3 93.8

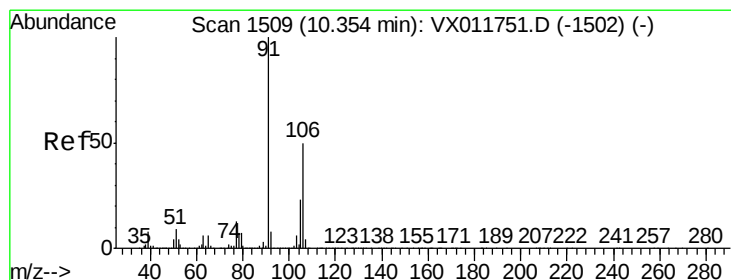
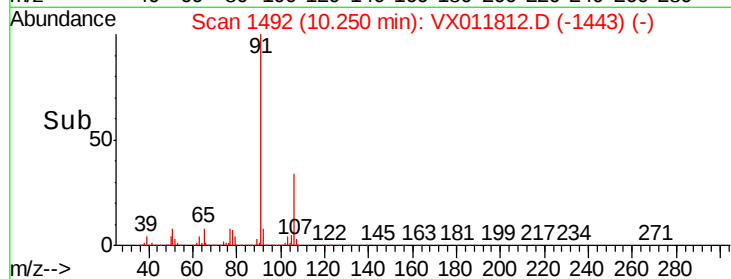
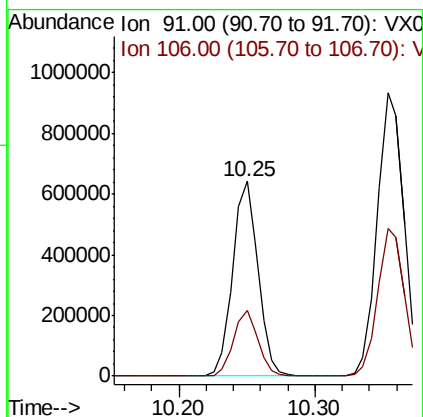
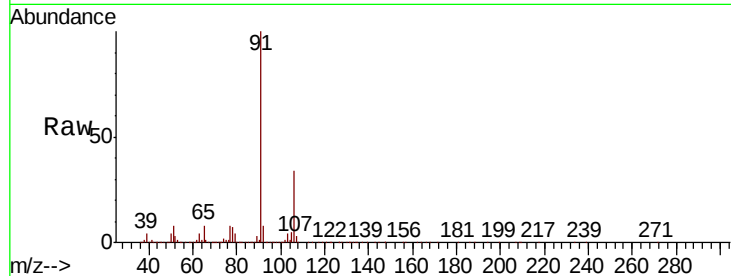




#67
Ethyl Benzene
Concen: 49.256 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX011812.D
Acq: 23 Aug 2019 20:45

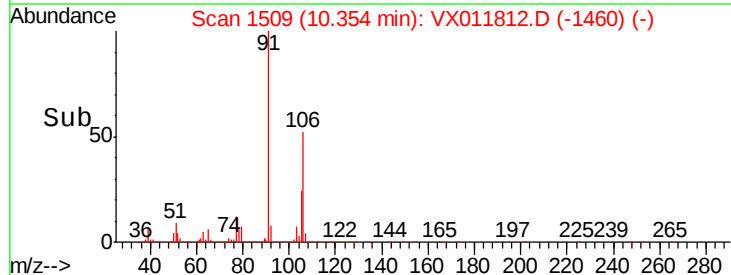
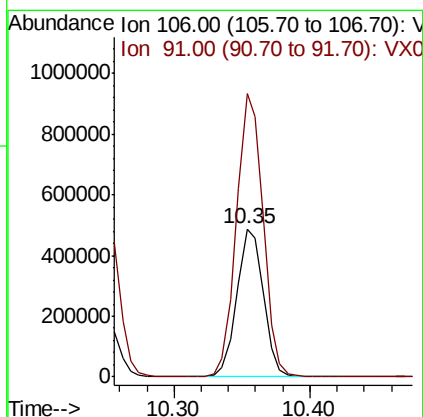
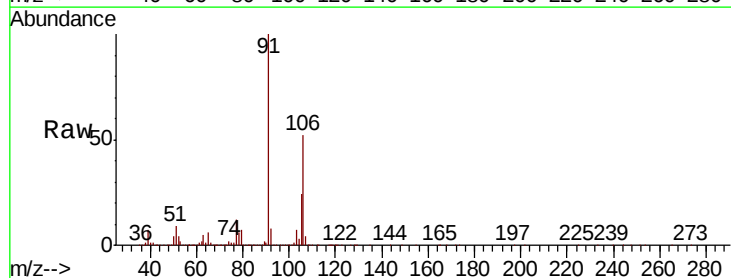
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

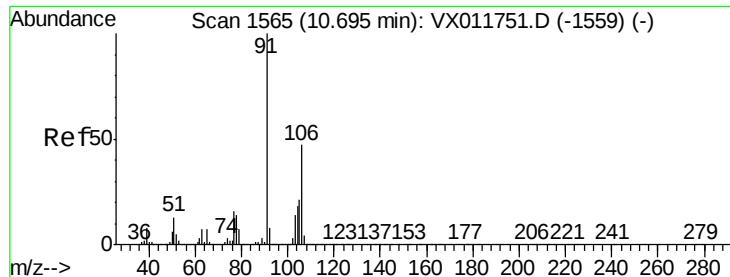
Tgt Ion: 91 Resp: 833764
Ion Ratio Lower Upper
91 100
106 33.5 25.5 38.3



#68
m/p-Xylenes
Concen: 101.167 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. 0.00 min
Lab File: VX011812.D
Acq: 23 Aug 2019 20:45

Tgt Ion: 106 Resp: 660297
Ion Ratio Lower Upper
106 100
91 192.4 158.3 237.5

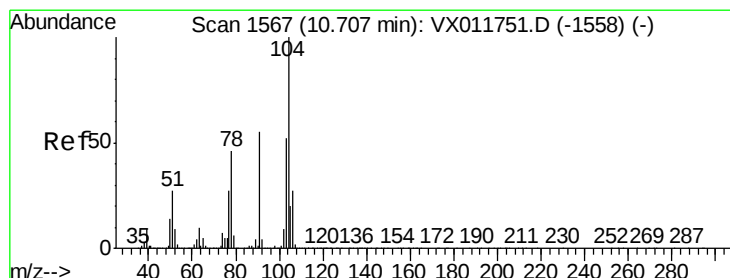
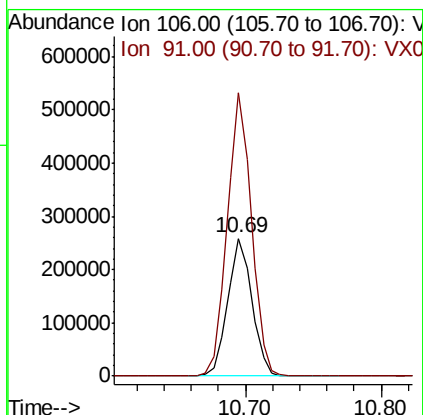
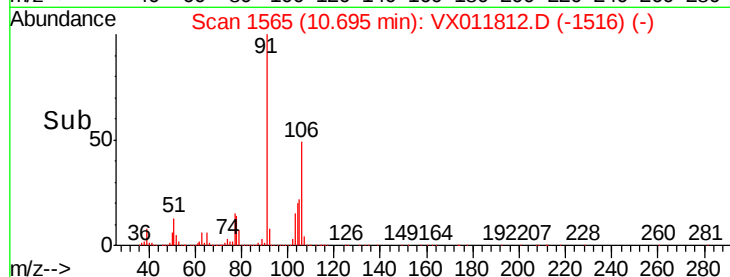
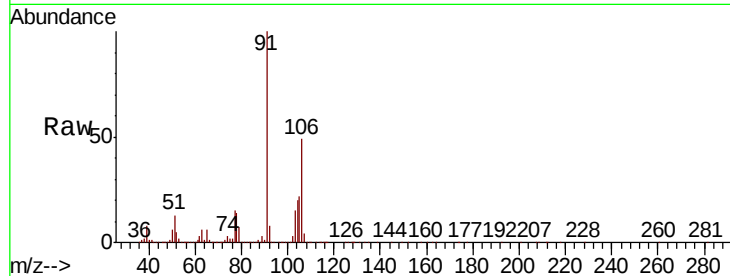




#69
o-Xylene
Concen: 49.905 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011812.D
Acq: 23 Aug 2019 20:45

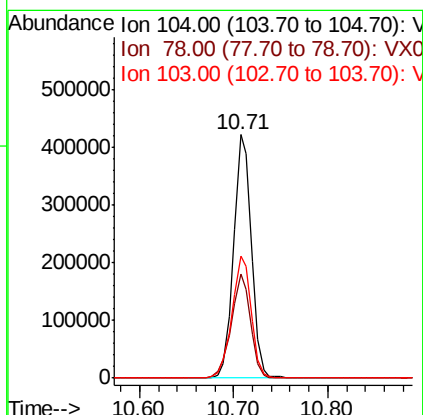
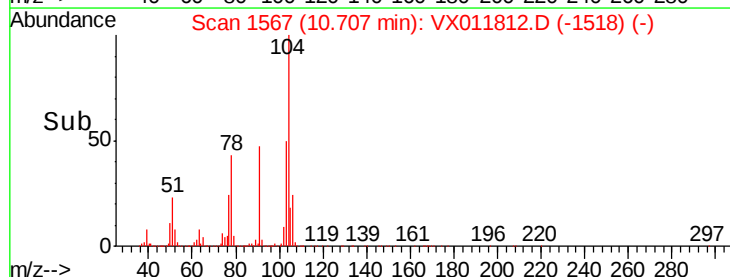
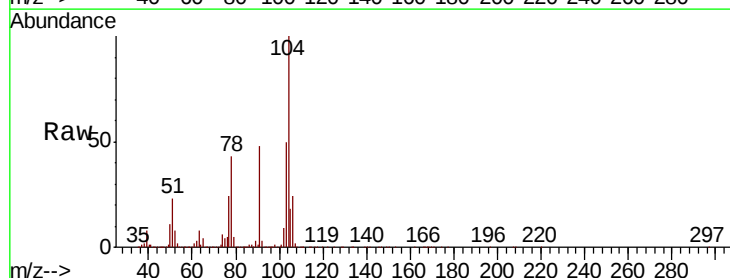
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

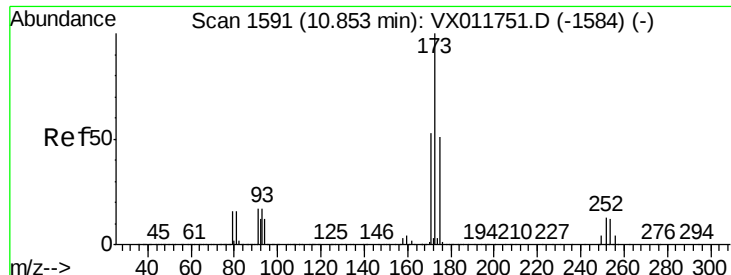
Tgt Ion:106 Resp: 319796
Ion Ratio Lower Upper
106 100
91 205.0 105.0 314.9



#70
Styrene
Concen: 51.378 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX011812.D
Acq: 23 Aug 2019 20:45

Tgt Ion:104 Resp: 550765
Ion Ratio Lower Upper
104 100
78 46.0 39.2 58.8
103 54.5 44.5 66.7





#71

Bromoform

Concen: 45.555 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX011812.D

Acq: 23 Aug 2019 20:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

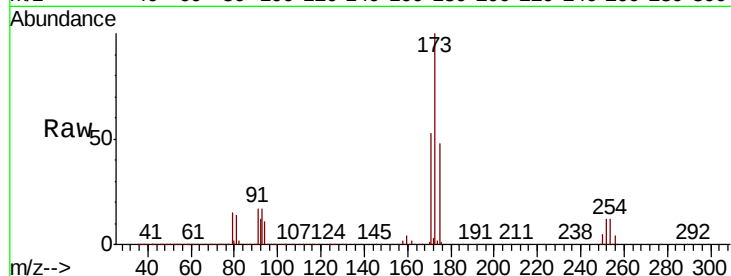
Tgt Ion:173 Resp: 149143

Ion Ratio Lower Upper

173 100

175 48.5 25.1 75.3

254 0.2 0.2 0.4#

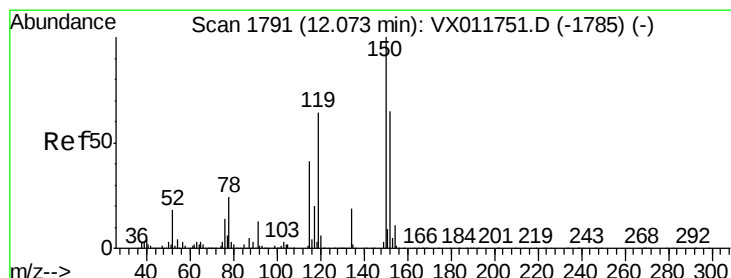
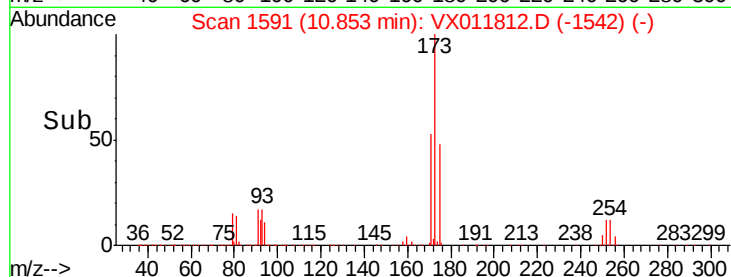
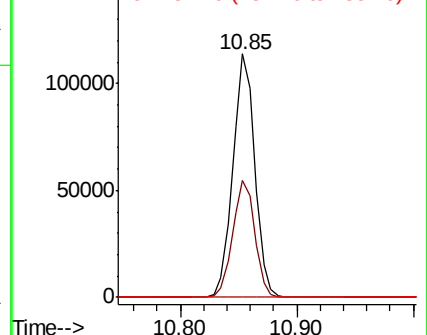


Abundance

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: VX011812.D

Acq: 23 Aug 2019 20:45

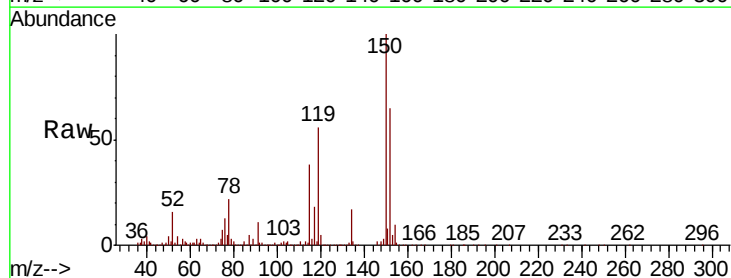
Tgt Ion:152 Resp: 288685

Ion Ratio Lower Upper

152 100

115 71.1 37.3 111.8

150 170.1 0.0 343.0

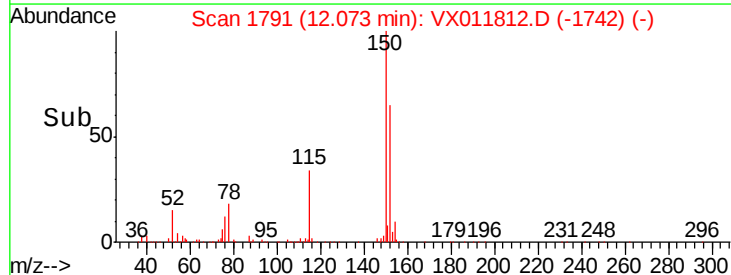
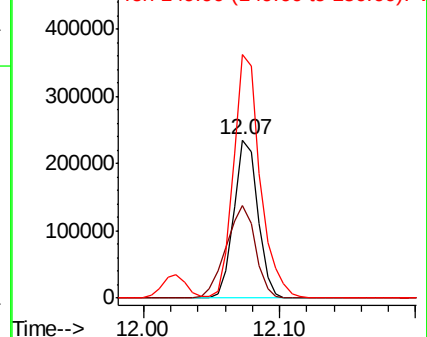


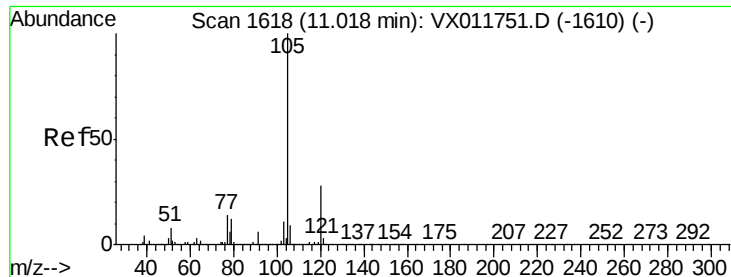
Abundance

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: 49.126 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX011812.D

Acq: 23 Aug 2019 20:45

Instrument :

MSVOA_X

ClientSampleId :

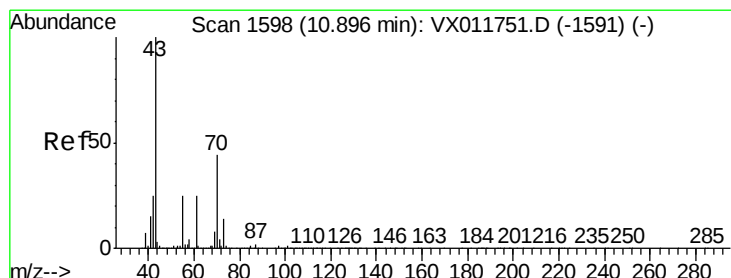
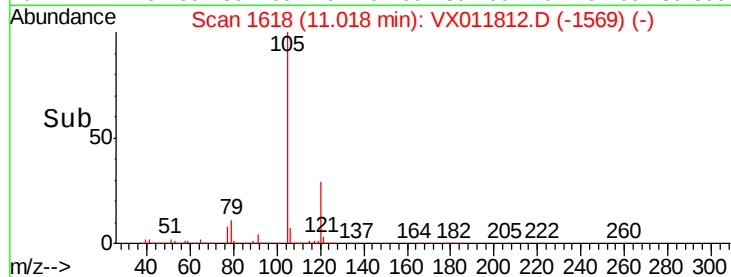
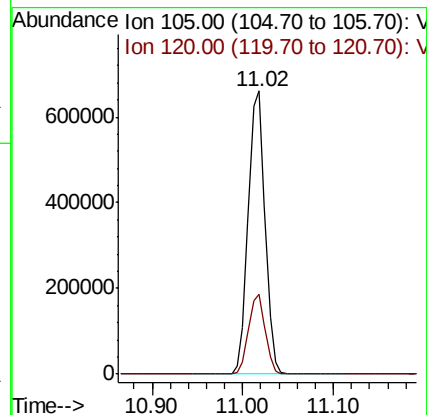
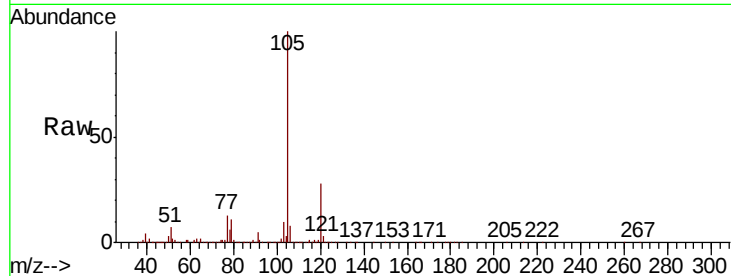
VSTDCCC050EC

Tgt Ion: 105 Resp: 854646

Ion Ratio Lower Upper

105 100

120 27.8 13.9 41.7



#74

N-ethyl acetate

Concen: 48.559 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX011812.D

Acq: 23 Aug 2019 20:45

Tgt Ion: 43 Resp: 327059

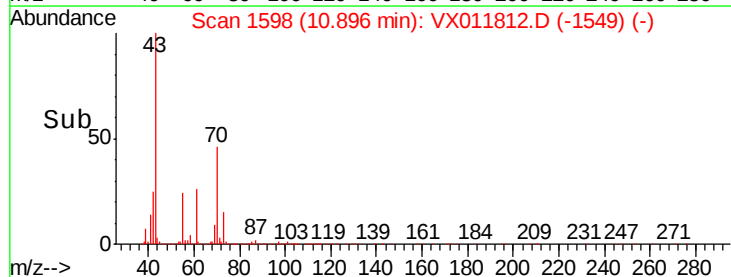
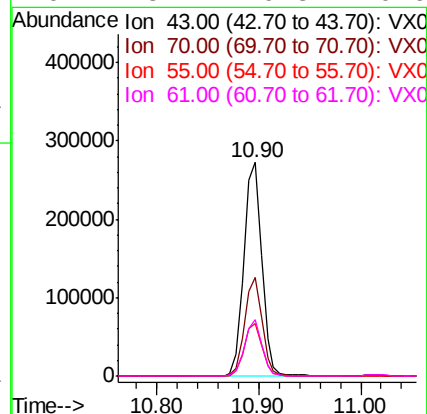
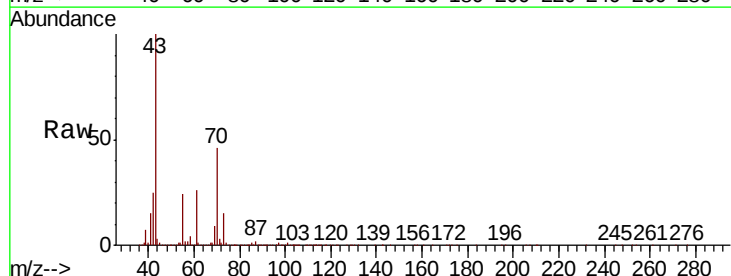
Ion Ratio Lower Upper

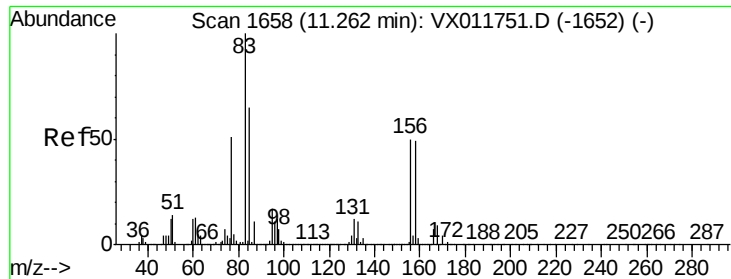
43 100

70 44.8 34.8 52.2

55 24.4 19.5 29.3

61 25.4 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 46.306 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VX011812.D

Acq: 23 Aug 2019 20:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

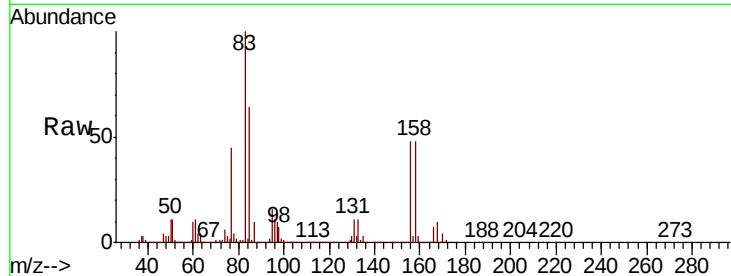
Tgt Ion: 83 Resp: 266651

Ion Ratio Lower Upper

83 100

131 12.0 6.1 18.3

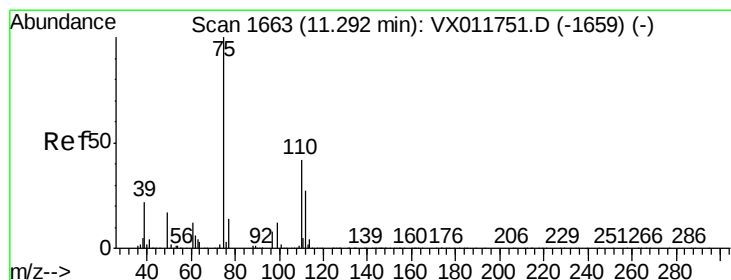
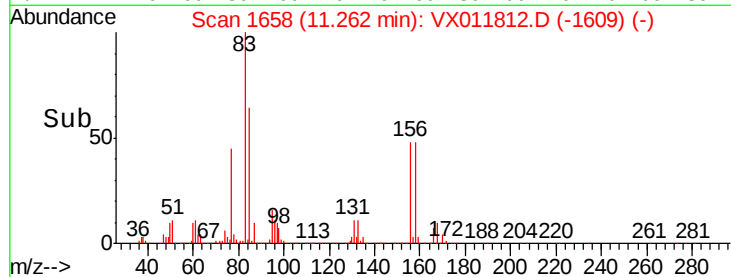
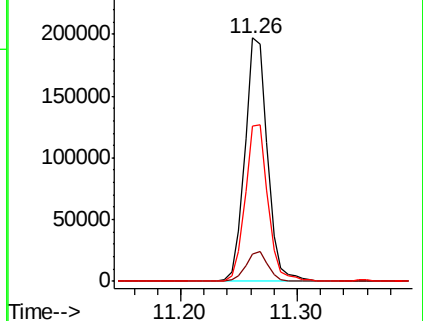
85 64.8 32.4 97.0



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: 59.287 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX011812.D

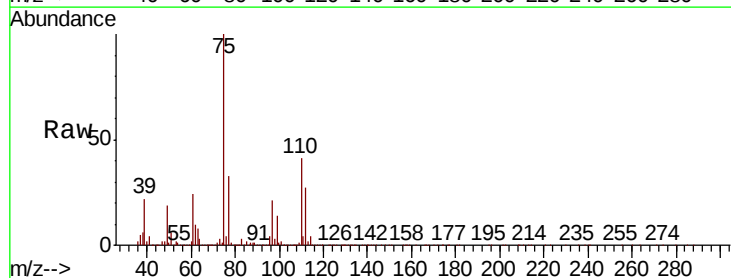
Acq: 23 Aug 2019 20:45

Tgt Ion: 75 Resp: 300318

Ion Ratio Lower Upper

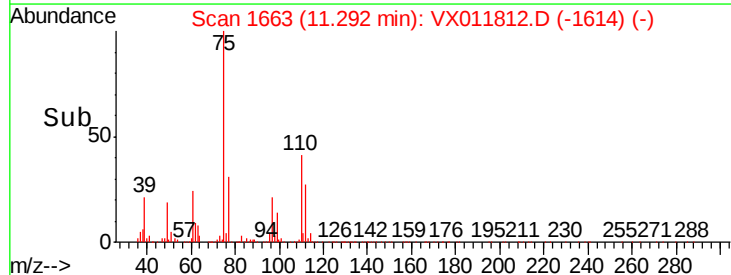
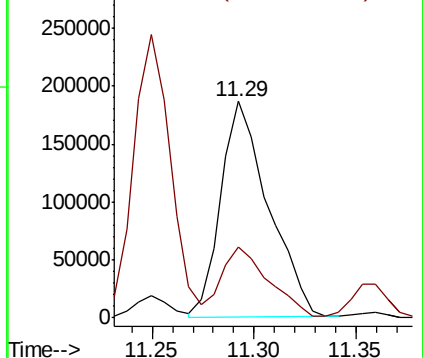
75 100

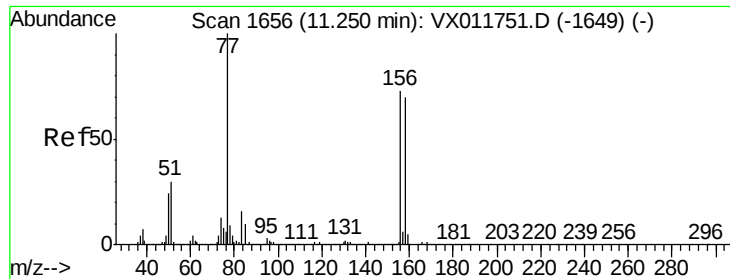
77 32.8 21.1 63.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

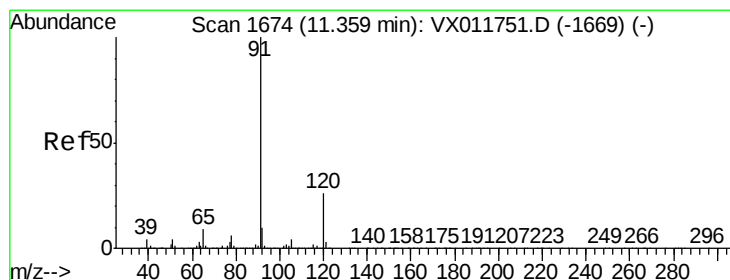
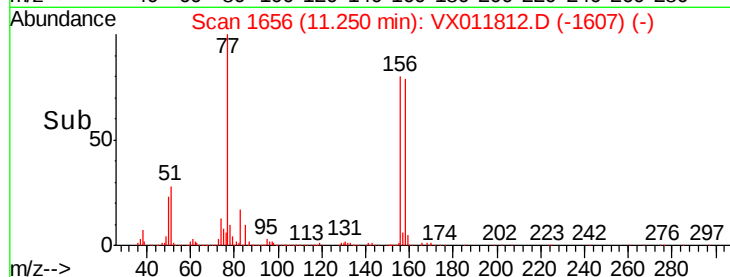
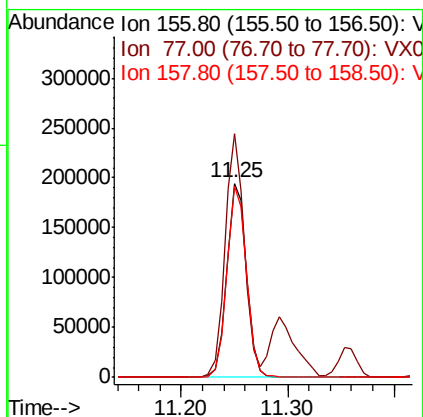
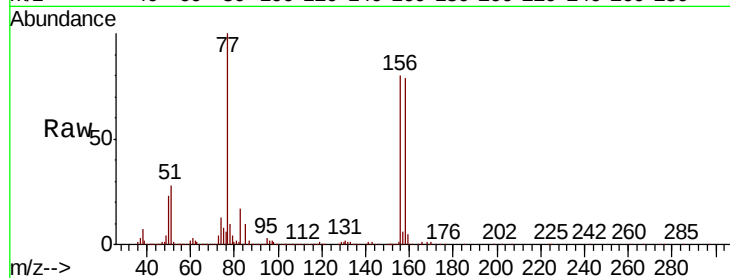




#77
Bromobenzene
Concen: 48.894 ug/l
RT: 11.25 min Scan# 1656
Delta R.T. 0.00 min
Lab File: VX011812.D
Acq: 23 Aug 2019 20:45

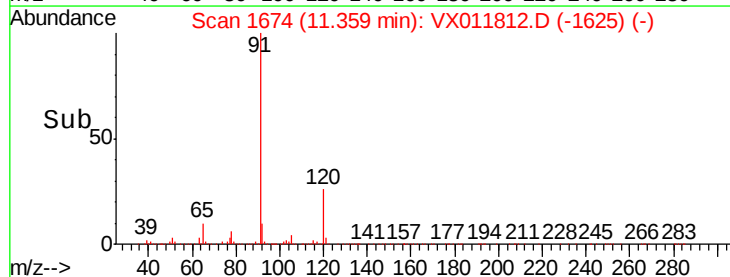
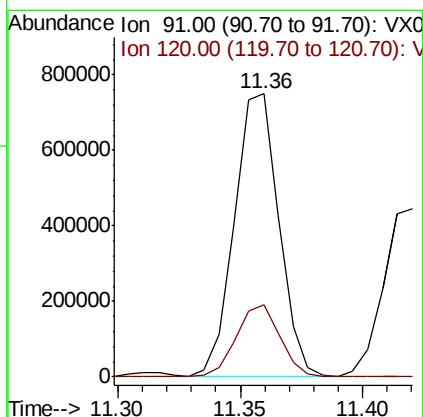
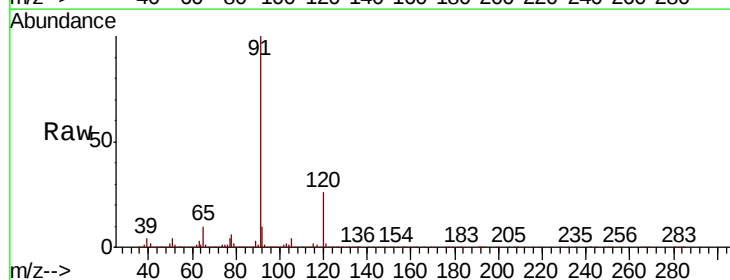
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

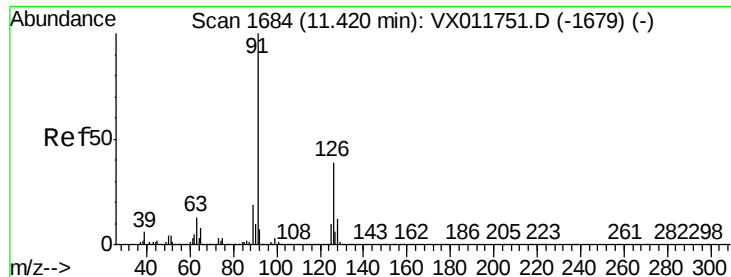
Tgt Ion:156 Resp: 250766
Ion Ratio Lower Upper
156 100
77 123.2 65.3 196.0
158 98.6 48.4 145.0



#78
n-propylbenzene
Concen: 50.628 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VX011812.D
Acq: 23 Aug 2019 20:45

Tgt Ion: 91 Resp: 941809
Ion Ratio Lower Upper
91 100
120 25.3 12.7 38.1





#79

2-Chlorotoluene

Concen: 49.374 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX011812.D

Acq: 23 Aug 2019 20:45

Instrument :

MSVOA_X

ClientSampleId :

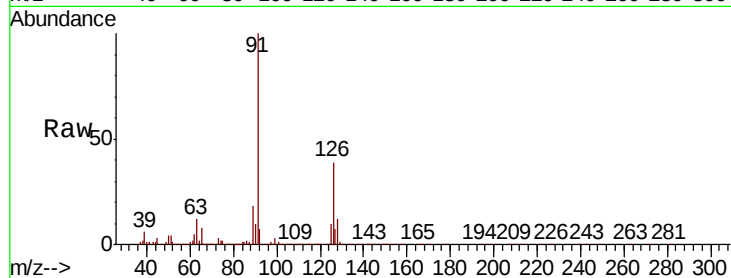
VSTDCCC050EC

Tgt Ion: 91 Resp: 571422

Ion Ratio Lower Upper

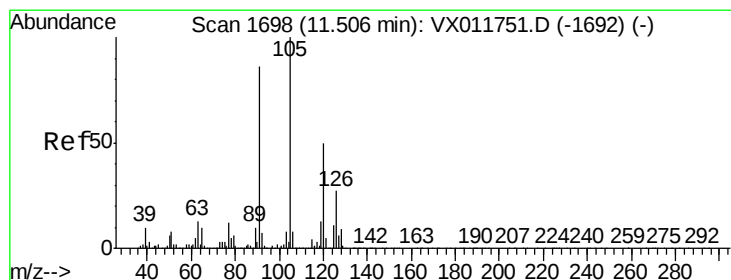
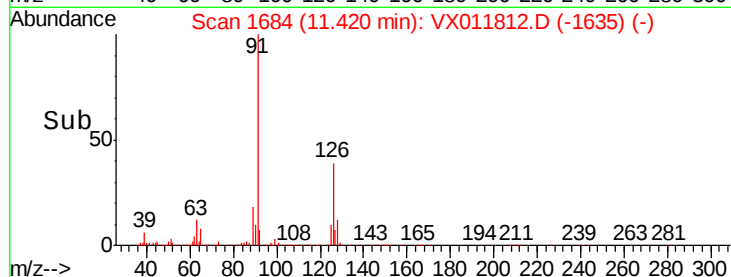
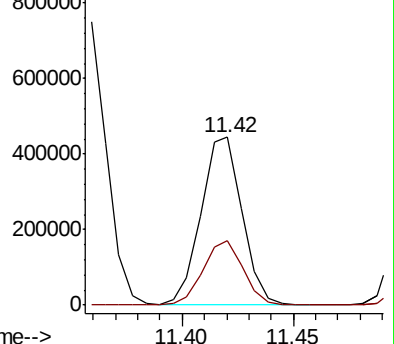
91 100

126 37.6 18.6 55.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 50.769 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011812.D

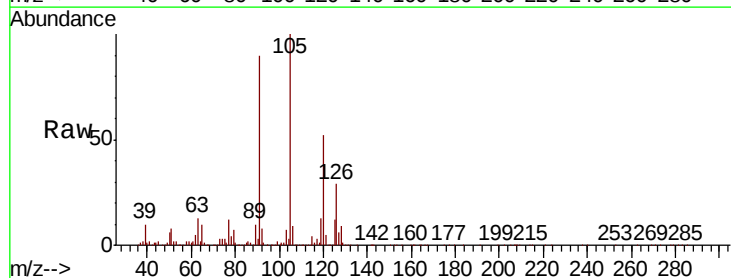
Acq: 23 Aug 2019 20:45

Tgt Ion: 105 Resp: 736937

Ion Ratio Lower Upper

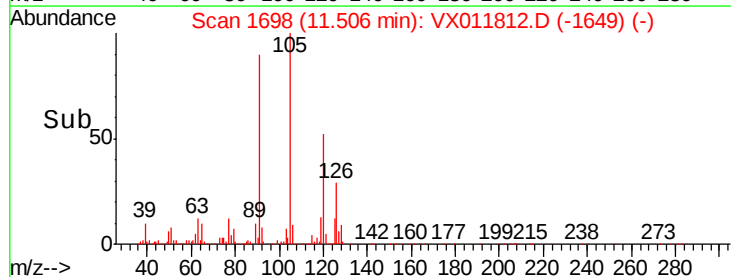
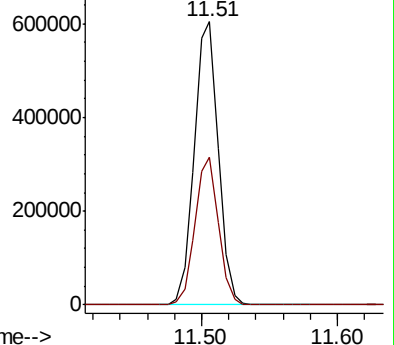
105 100

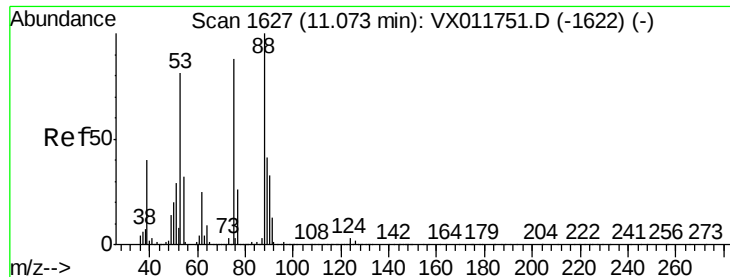
120 51.0 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 41.883 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX011812.D

Acq: 23 Aug 2019 20:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

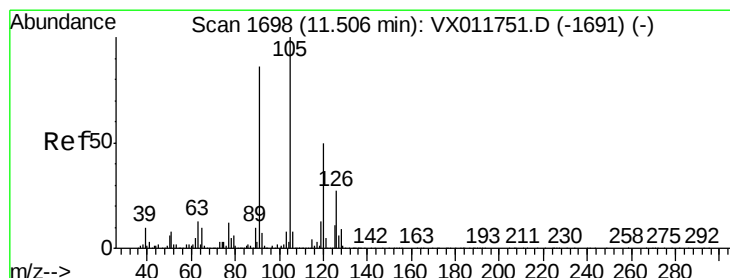
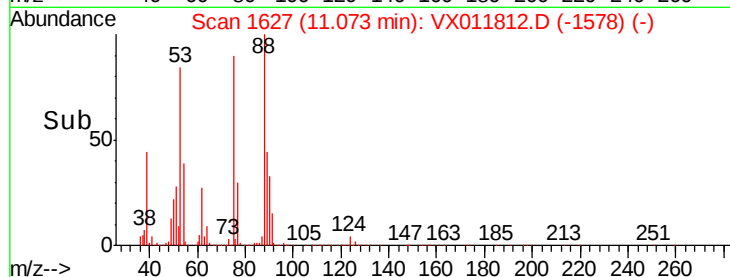
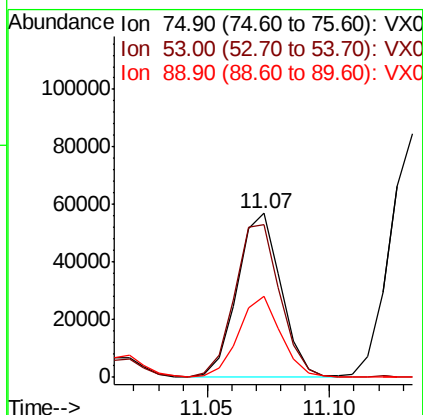
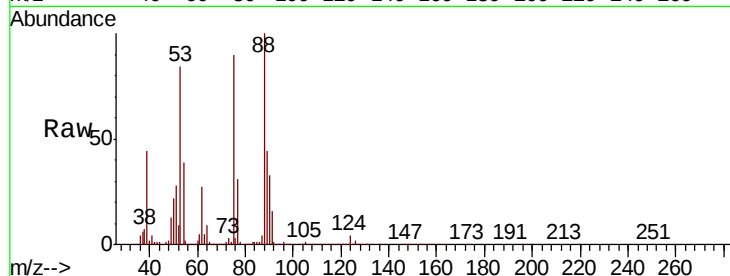
Tgt Ion: 75 Resp: 70349

Ion Ratio Lower Upper

75 100

53 96.6 77.1 115.7

89 48.2 38.5 57.7



#82

4-Chlorotoluene

Concen: 49.227 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011812.D

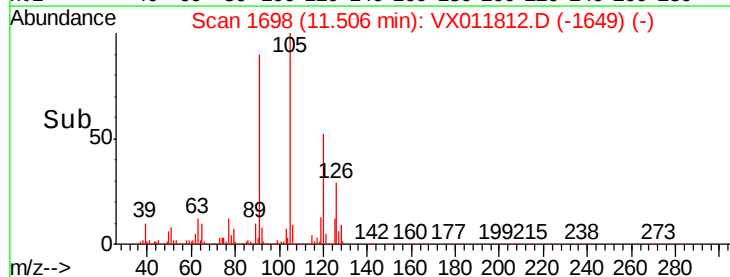
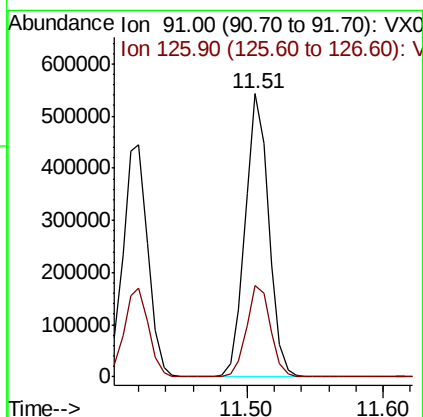
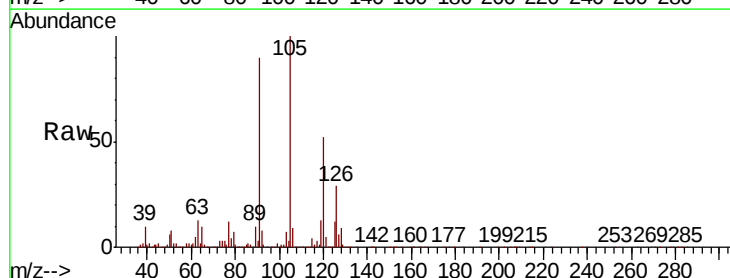
Acq: 23 Aug 2019 20:45

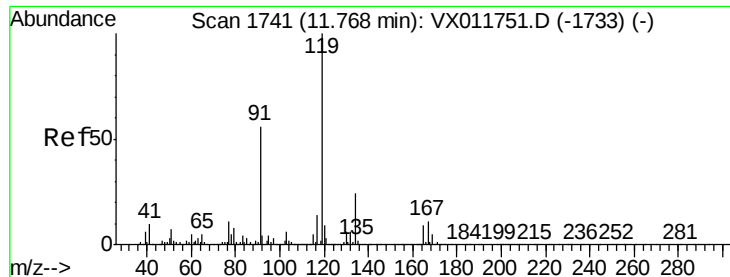
Tgt Ion: 91 Resp: 656706

Ion Ratio Lower Upper

91 100

126 32.8 16.2 48.6





#83

tert-Butylbenzene

Concen: 51.186 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX011812.D

Acq: 23 Aug 2019 20:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

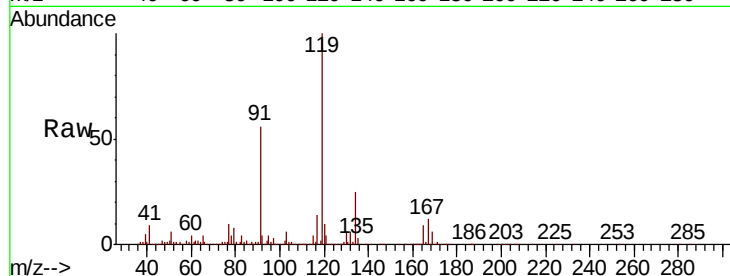
Tgt Ion:119 Resp: 733051

Ion Ratio Lower Upper

119 100

91 55.5 27.7 83.1

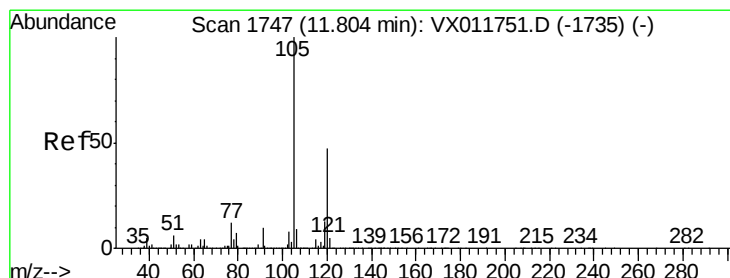
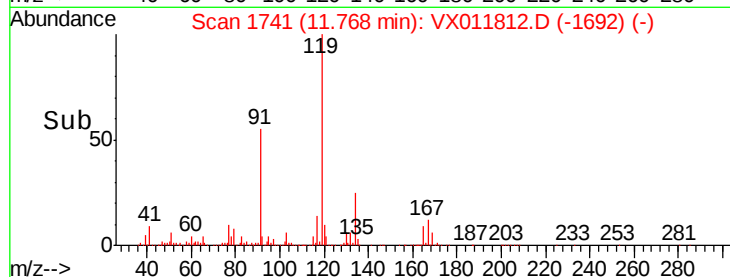
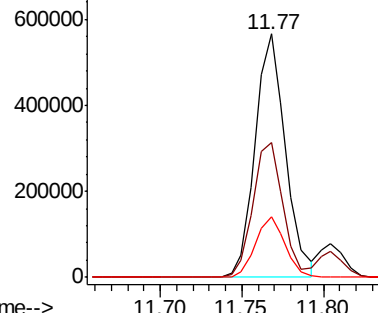
134 24.4 11.8 35.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 50.285 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX011812.D

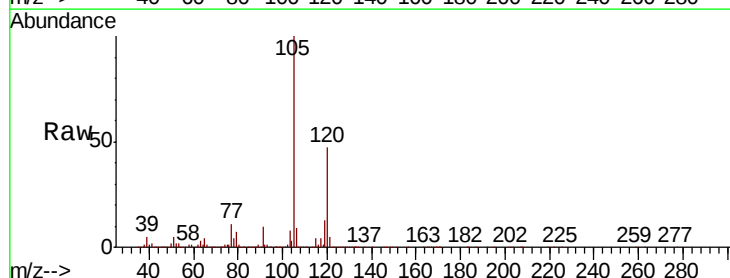
Acq: 23 Aug 2019 20:45

Tgt Ion:105 Resp: 737093

Ion Ratio Lower Upper

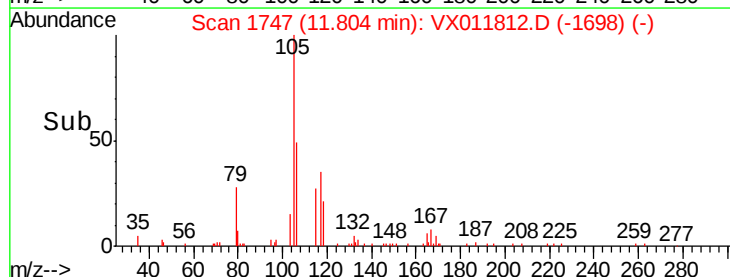
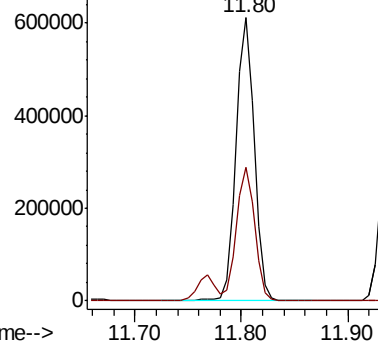
105 100

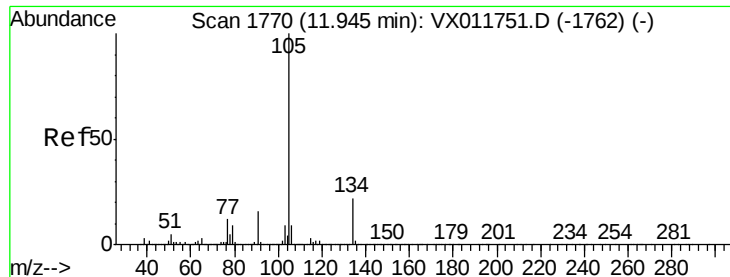
120 47.4 23.7 71.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 50.860 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011812.D

Acq: 23 Aug 2019 20:45

Instrument :

MSVOA_X

ClientSampleId :

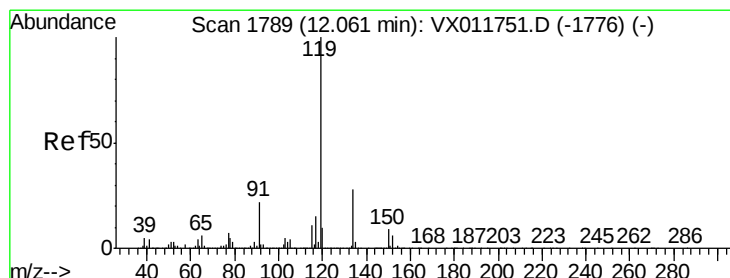
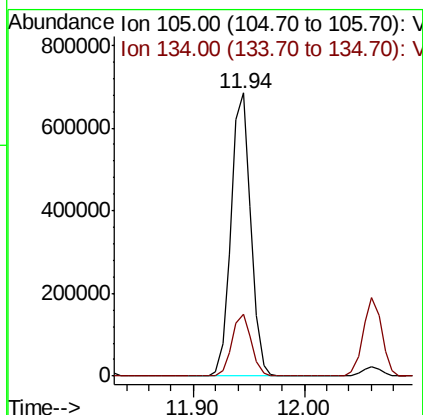
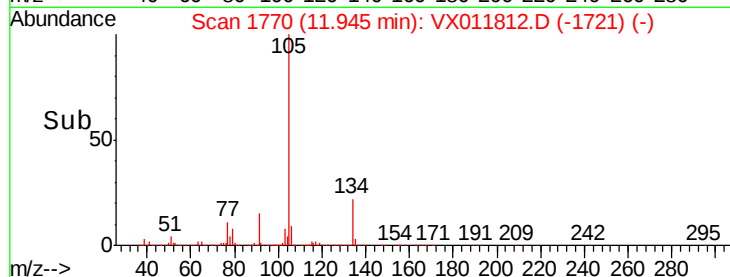
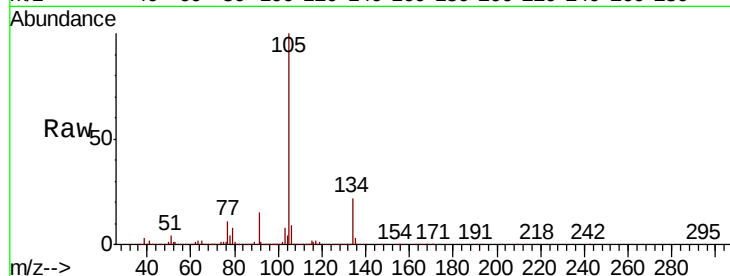
VSTDCCC050EC

Tgt Ion:105 Resp: 833190

Ion Ratio Lower Upper

105 100

134 21.7 10.8 32.3



#86

p-Isopropyltoluene

Concen: 50.720 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX011812.D

Acq: 23 Aug 2019 20:45

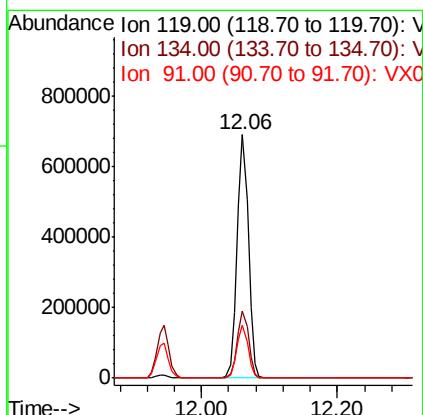
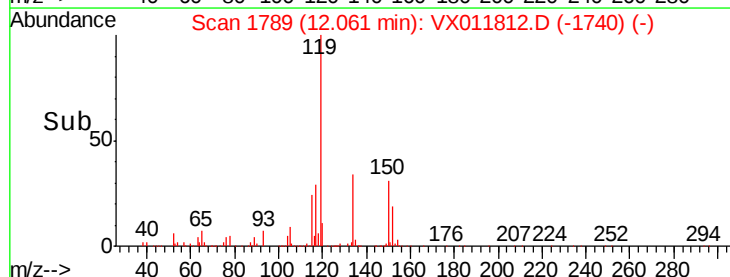
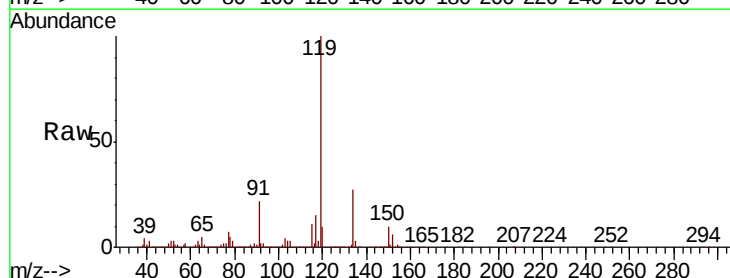
Tgt Ion:119 Resp: 799453

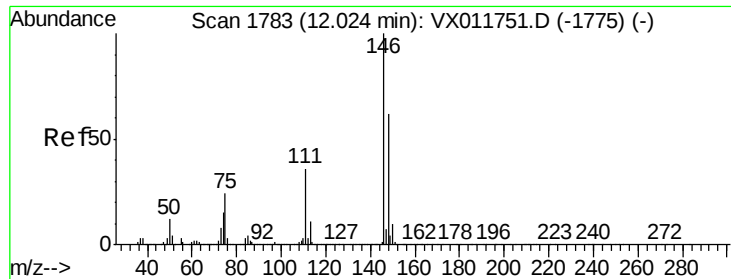
Ion Ratio Lower Upper

119 100

134 27.6 13.7 41.0

91 21.6 11.1 33.3

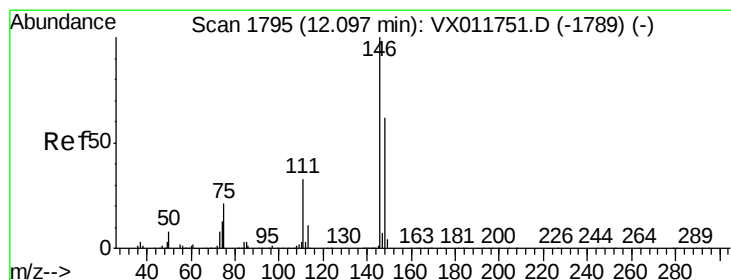
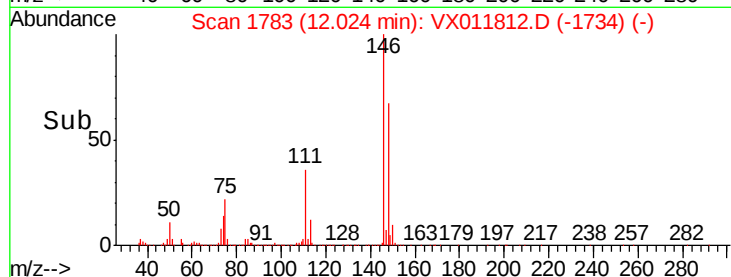
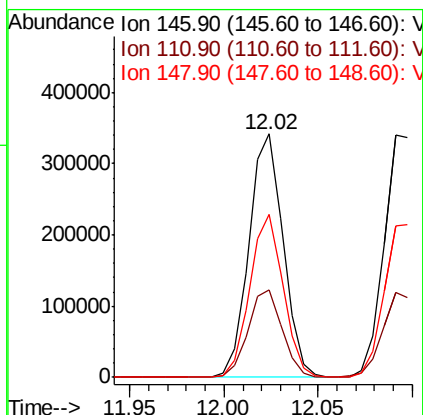
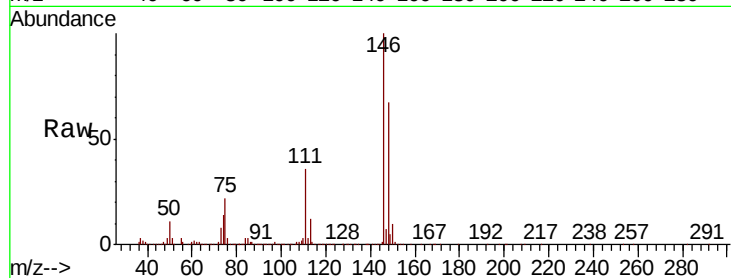




#87
 1,3-Dichlorobenzene
 Concen: 48.605 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX011812.D
 Acq: 23 Aug 2019 20:45

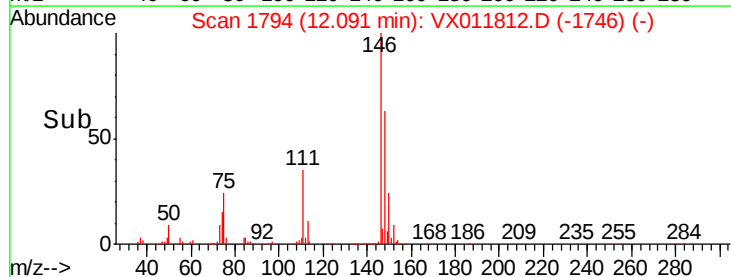
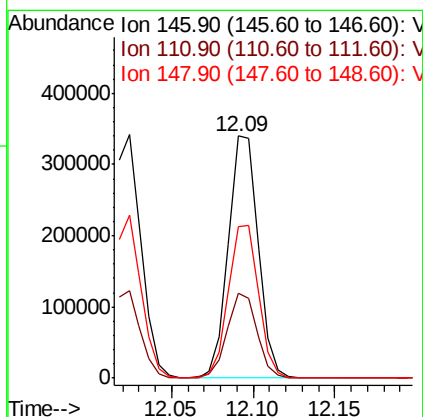
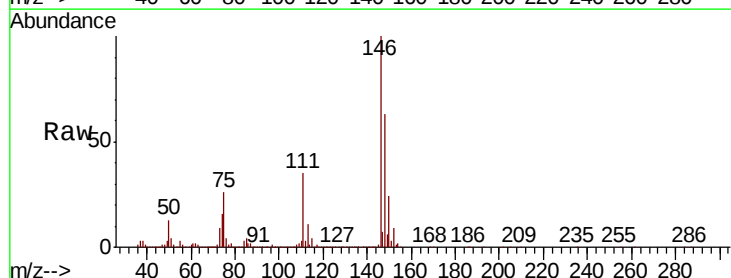
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

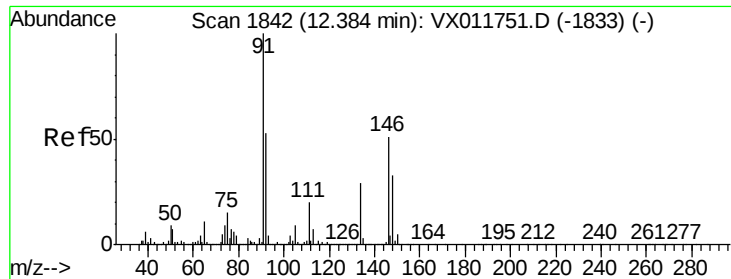
Tgt Ion:146 Resp: 429279
 Ion Ratio Lower Upper
 146 100
 111 36.0 18.1 54.4
 148 65.1 31.6 94.7



#88
 1,4-Dichlorobenzene
 Concen: 48.335 ug/l
 RT: 12.09 min Scan# 1794
 Delta R.T. -0.01 min
 Lab File: VX011812.D
 Acq: 23 Aug 2019 20:45

Tgt Ion:146 Resp: 431911
 Ion Ratio Lower Upper
 146 100
 111 34.9 17.8 53.4
 148 64.1 31.9 95.7

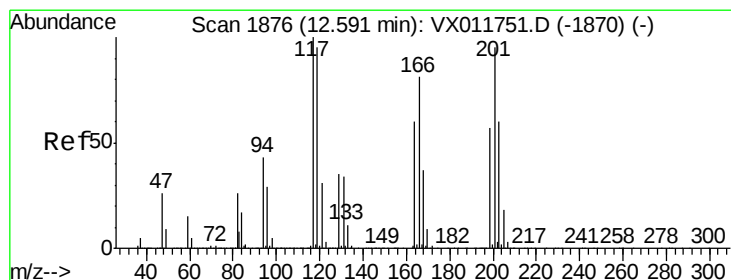
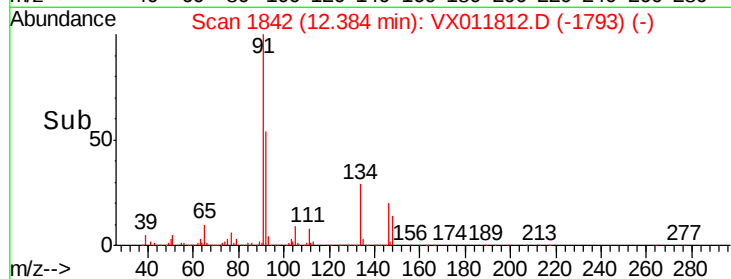
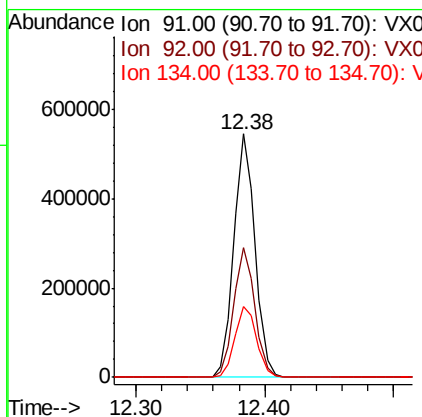
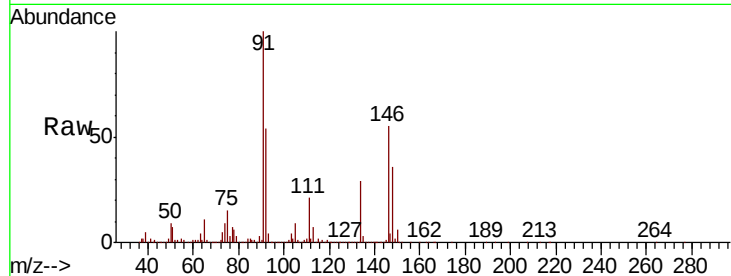




#89
n-Butylbenzene
Concen: 47.994 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX011812.D
Acq: 23 Aug 2019 20:45

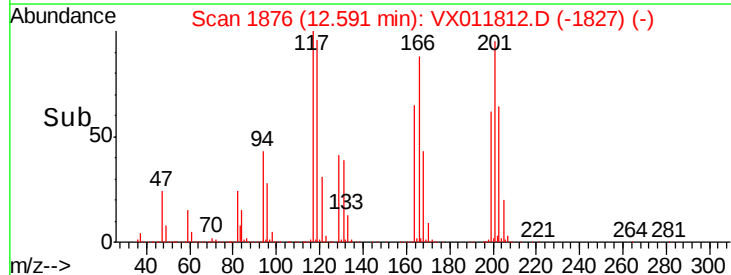
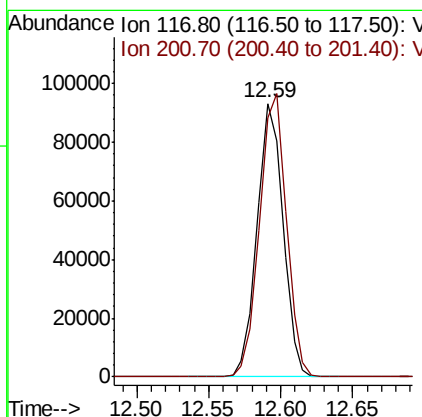
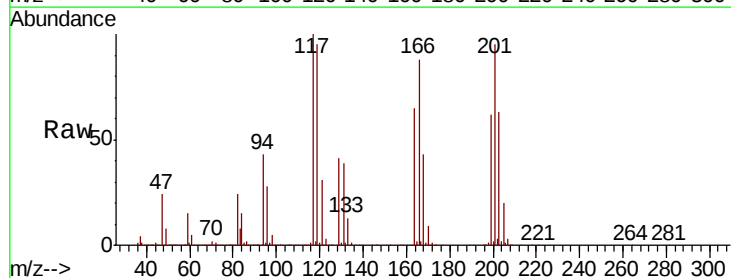
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

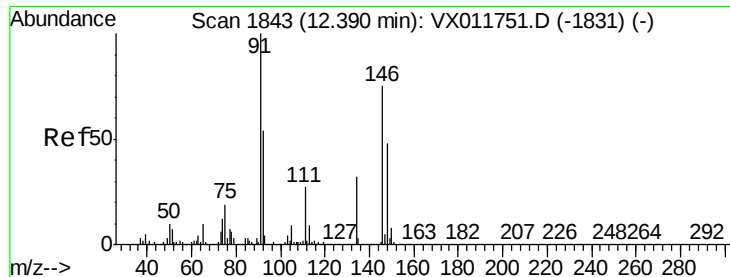
Tgt Ion: 91 Resp: 626230
Ion Ratio Lower Upper
91 100
92 53.2 26.7 80.0
134 30.0 14.6 43.8



#90
Hexachloroethane
Concen: 47.280 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. 0.00 min
Lab File: VX011812.D
Acq: 23 Aug 2019 20:45

Tgt Ion: 117 Resp: 115776
Ion Ratio Lower Upper
117 100
201 107.1 49.6 149.0





#91

1,2-Dichlorobenzene

Concen: 48.620 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX011812.D

Acq: 23 Aug 2019 20:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

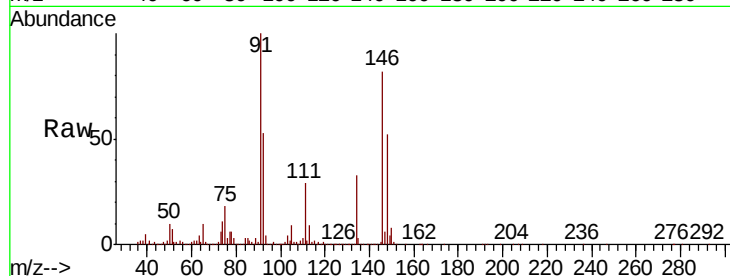
Tgt Ion:146 Resp: 433116

Ion Ratio Lower Upper

146 100

111 36.8 18.8 56.4

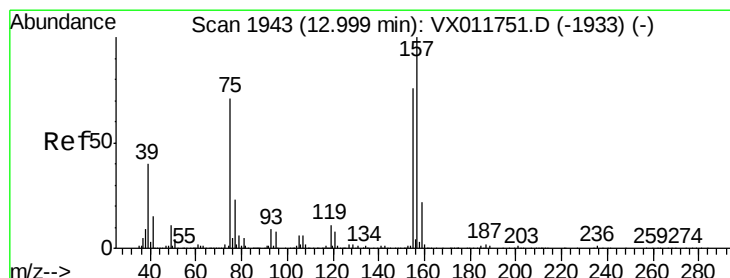
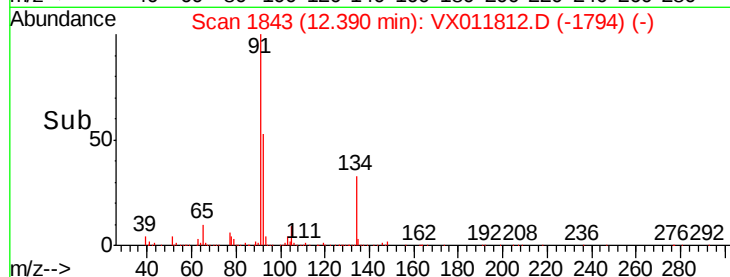
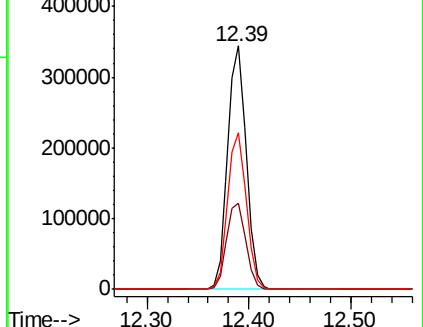
148 64.4 31.6 95.0



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: 43.459 ug/l

RT: 12.99 min Scan# 1942

Delta R.T. -0.01 min

Lab File: VX011812.D

Acq: 23 Aug 2019 20:45

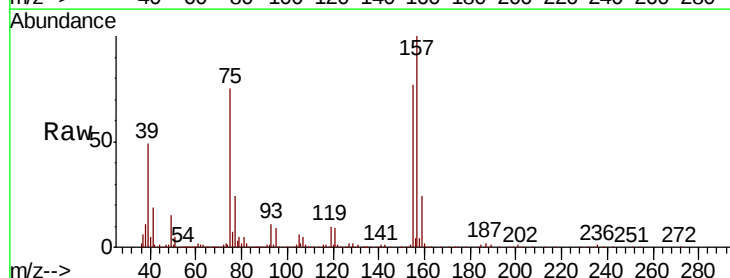
Tgt Ion: 75 Resp: 58172

Ion Ratio Lower Upper

75 100

155 113.2 52.6 157.9

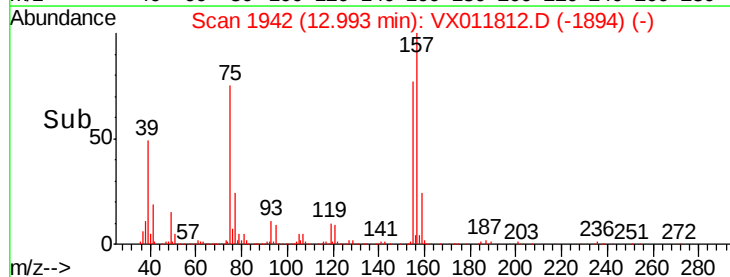
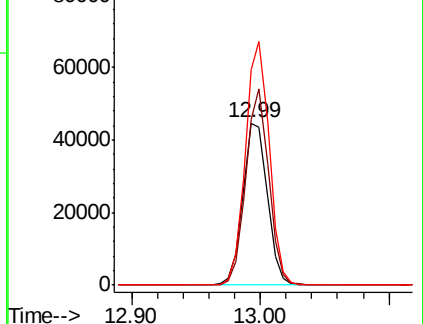
157 146.0 68.3 204.9

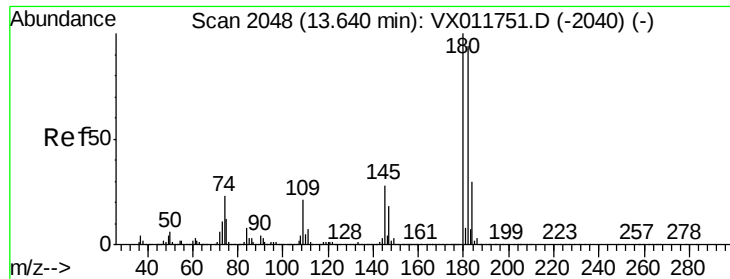


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

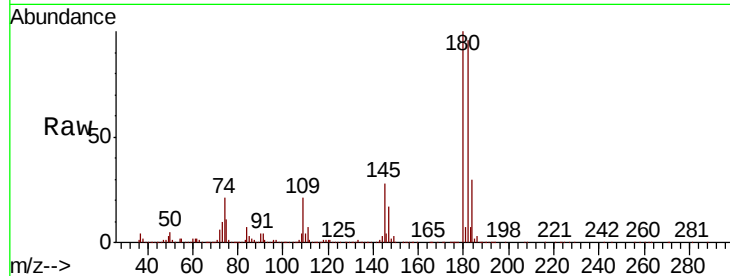




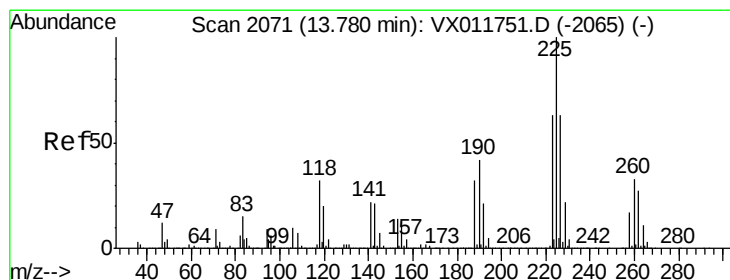
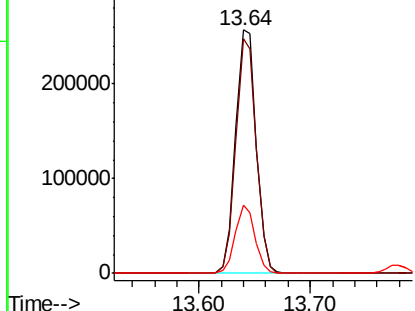
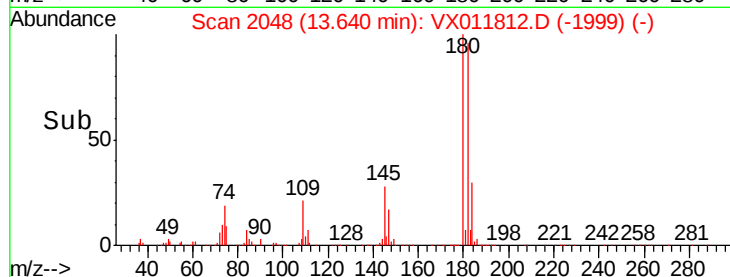
#93
 1,2,4-Trichlorobenzene
 Concen: 50.344 ug/l
 RT: 13.64 min Scan# 2048
 Delta R.T. 0.00 min
 Lab File: VX011812.D
 Acq: 23 Aug 2019 20:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.8	143.4
145	26.9	14.1	42.3

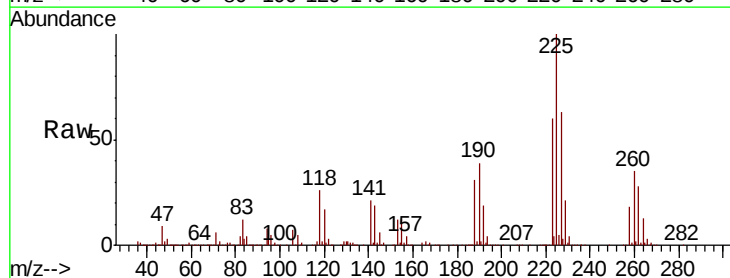


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

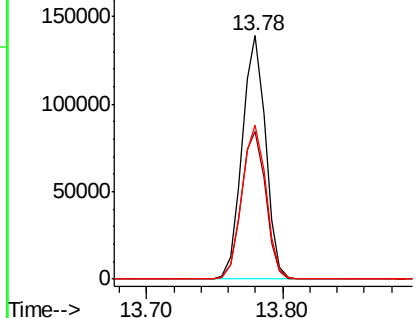
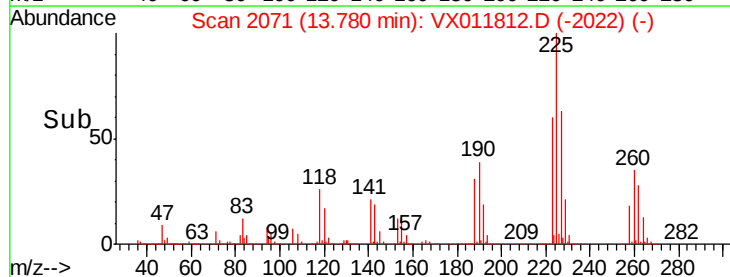


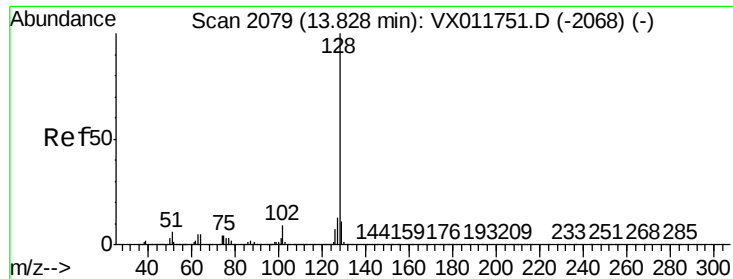
#94
 Hexachlorobutadiene
 Concen: 46.570 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX011812.D
 Acq: 23 Aug 2019 20:45

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	31.0	93.0
227	65.0	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

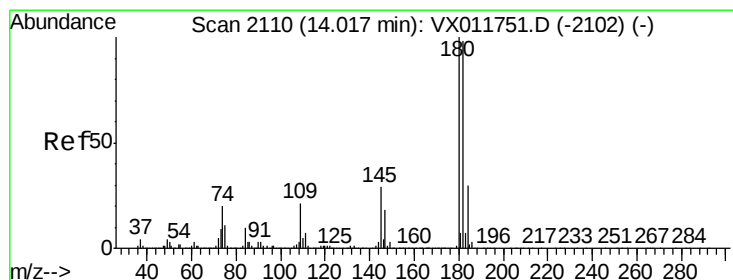
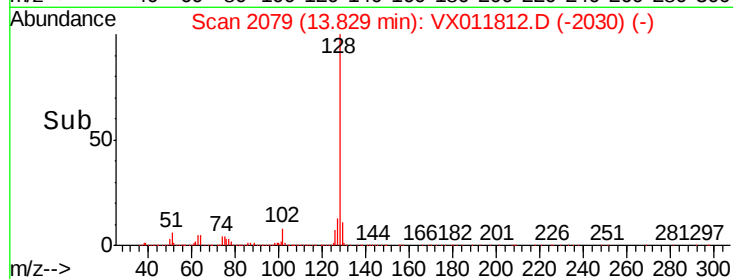
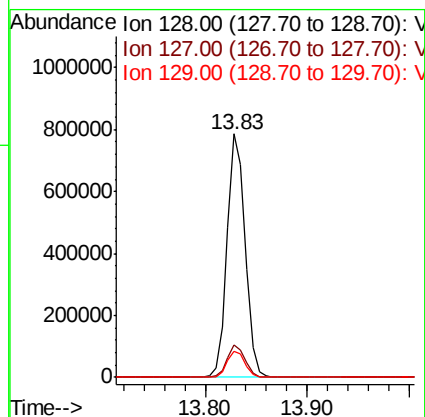
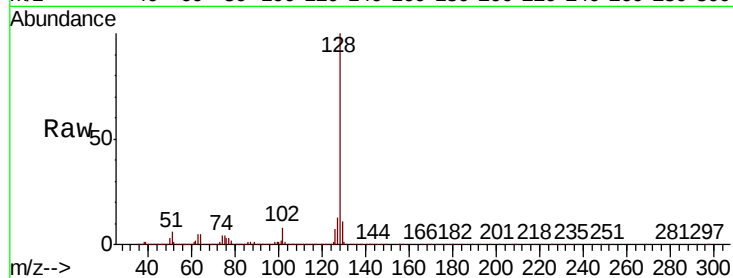




#95
Naphthalene
Concen: 53.349 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. 0.00 min
Lab File: VX011812.D
Acq: 23 Aug 2019 20:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 962784
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 10.7 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 51.145 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX011812.D
Acq: 23 Aug 2019 20:45

Tgt Ion:180 Resp: 336500
Ion Ratio Lower Upper
180 100
182 95.8 48.5 145.5
145 28.7 14.6 43.8

