

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081619\
 Data File : VX011598.D
 Acq On : 16 Aug 2019 23:03
 Operator : JC/SP
 Sample : VX0816WBS02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0816WBS02

Quant Time: Aug 19 01:15:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 04:15:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	353945	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	498790	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	442028	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	235761	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	154504	47.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.14%	
35) Dibromofluoromethane	5.49	113	144679	44.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.70%	
50) Toluene-d8	8.71	98	467520	45.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.98%	
62) 4-Bromofluorobenzene	11.13	95	195916	45.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.32%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.19	85	74109	21.301	ug/l	99
3) Chloromethane	1.32	50	63770	17.648	ug/l	98
4) Vinyl Chloride	1.40	62	64019	19.613	ug/l	100
5) Bromomethane	1.64	94	33279	22.753	ug/l	99
6) Chloroethane	1.71	64	30915	20.011	ug/l	98
7) Trichlorofluoromethane	1.92	101	87355	19.321	ug/l	98
8) Diethyl Ether	2.18	74	30277	19.522	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.38	101	53680	17.189	ug/l	96
10) Methyl Iodide	2.50	142	73029	16.416	ug/l	96
11) Tert butyl alcohol	3.04	59	77921	96.765	ug/l	98
12) 1,1-Dichloroethene	2.37	96	53054	17.580	ug/l	96
13) Acrolein	2.29	56	19954	88.792	ug/l	97
14) Allyl chloride	2.72	41	97360	19.393	ug/l	99
15) Acrylonitrile	3.14	53	186431	101.156	ug/l	99
16) Acetone	2.43	43	153983	93.298	ug/l	95
17) Carbon Disulfide	2.56	76	130938	18.412	ug/l	100
18) Methyl Acetate	2.76	43	105596	20.630	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	201060	20.456	ug/l	99
20) Methylene Chloride	2.85	84	65524	18.908	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	63051	19.715	ug/l	98
22) Diisopropyl ether	3.85	45	201301	20.134	ug/l	95
23) Vinyl Acetate	3.81	43	800431	101.102	ug/l	99
24) 1,1-Dichloroethane	3.69	63	110910	19.621	ug/l	99
25) 2-Butanone	4.67	43	259804	100.270	ug/l	97
26) 2,2-Dichloropropane	4.58	77	68581	16.120	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	74317	19.933	ug/l	97
28) Bromochloromethane	5.01	49	47387	19.096	ug/l	99
29) Tetrahydrofuran	5.12	42	170403	100.258	ug/l	100
30) Chloroform	5.21	83	116709	19.564	ug/l	96
31) Cyclohexane	5.57	56	99148	20.372	ug/l	100
32) 1,1,1-Trichloroethane	5.49	97	102672	20.016	ug/l	99
36) 1,1-Dichloropropene	5.80	75	84672	19.855	ug/l	98
37) Ethyl Acetate	4.83	43	96102	19.592	ug/l	100
38) Carbon Tetrachloride	5.78	117	88693	18.877	ug/l	96

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	98542	18.711	ug/l	97
40) Benzene	6.14	78	255092	19.248	ug/l	100
41) Methacrylonitrile	5.04	41	54359	20.136	ug/l	100
42) 1,2-Dichloroethane	6.19	62	93202	20.299	ug/l	100
43) Isopropyl Acetate	6.44	43	149437	19.522	ug/l	99
44) Trichloroethene	7.21	130	76057	19.346	ug/l	97
45) 1,2-Dichloropropane	7.51	63	66995	20.270	ug/l	98
46) Dibromomethane	7.66	93	45547	18.964	ug/l	99
47) Bromodichloromethane	7.89	83	84061	19.062	ug/l	98
48) Methyl methacrylate	7.76	41	75838	20.006	ug/l	99
49) 1,4-Dioxane	7.74	88	38756	384.378	ug/l	100
51) 4-Methyl-2-Pentanone	8.64	43	503579	100.505	ug/l	99
52) Toluene	8.78	92	164967	19.539	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	85513	18.684	ug/l	96
54) cis-1,3-Dichloropropene	8.43	75	94733	18.914	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	72065	20.071	ug/l	96
56) Ethyl methacrylate	9.18	69	103536	19.840	ug/l	99
57) 1,3-Dichloropropane	9.37	76	111317	19.504	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	266371	102.444	ug/l	100
59) 2-Hexanone	9.49	43	381434	98.718	ug/l	100
60) Dibromochloromethane	9.58	129	71877	19.214	ug/l	99
61) 1,2-Dibromoethane	9.67	107	75001	19.573	ug/l	99
64) Tetrachloroethene	9.34	164	73303	20.212	ug/l	98
65) Chlorobenzene	10.13	112	184634	19.584	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	70560	20.023	ug/l	99
67) Ethyl Benzene	10.25	91	314445	19.984	ug/l	99
68) m/p-Xylenes	10.35	106	244581	40.495	ug/l	98
69) o-Xylene	10.69	106	119379	20.179	ug/l	98
70) Styrene	10.71	104	199688	20.050	ug/l	99
71) Bromoform	10.85	173	57107	18.870	ug/l #	99
73) Isopropylbenzene	11.02	105	320833	20.972	ug/l	100
74) N-amyl acetate	10.90	43	125575	19.316	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	105431	20.034	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	111650	24.974	ug/l	86
77) Bromobenzene	11.25	156	93504	20.544	ug/l	99
78) n-propylbenzene	11.36	91	343915	20.848	ug/l	99
79) 2-Chlorotoluene	11.42	91	207947	20.529	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	270536	21.052	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	25306	18.444	ug/l	89
82) 4-Chlorotoluene	11.51	91	240845	20.494	ug/l	100
83) tert-Butylbenzene	11.77	119	266305	20.346	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	271971	21.081	ug/l	100
85) sec-Butylbenzene	11.94	105	303612	20.560	ug/l	100
86) p-Isopropyltoluene	12.06	119	288392	20.759	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	156343	19.984	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	158193	19.951	ug/l	99
89) n-Butylbenzene	12.38	91	225549	19.748	ug/l	99
90) Hexachloroethane	12.59	117	41014	18.695	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	157833	20.098	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	23455	19.481	ug/l	92

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ALS Vial : 32 Sample Multiplier: 1

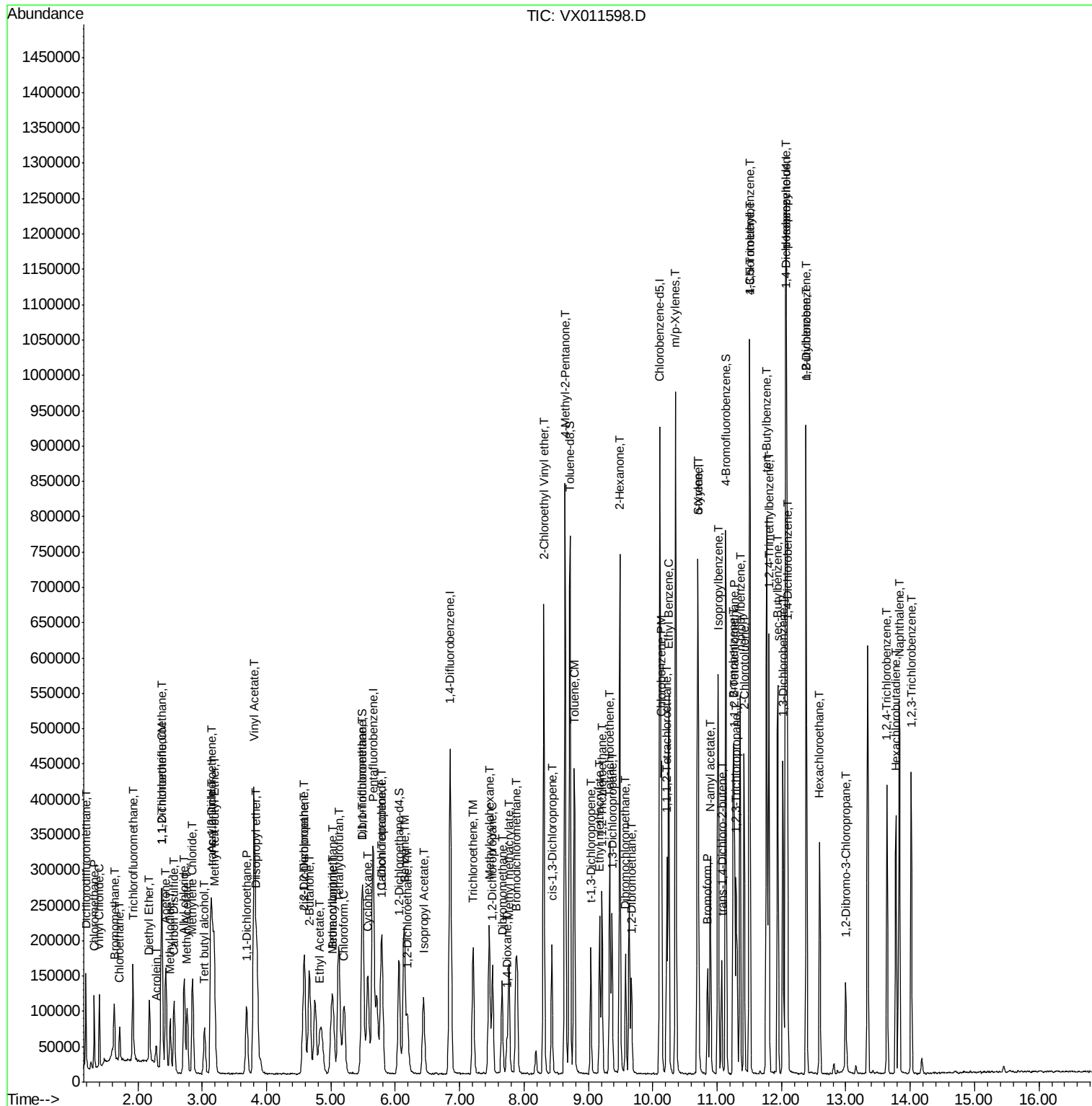
Instrument :
MSVOA_X
ClientSampleId :
VX0816WBS02

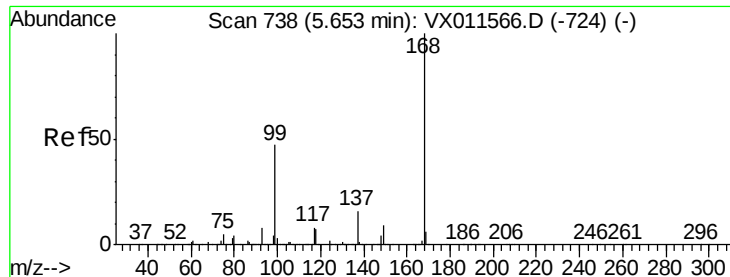
Quant Time: Aug 19 01:15:00 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 16 04:15:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	113142	19.336	ug/l	99
94) Hexachlorobutadiene	13.78	225	60018	18.837	ug/l	98
95) Naphthalene	13.83	128	340542	20.586	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	118603	20.096	ug/l	99

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

Quant Time: Aug 16 23:28:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 16 04:15:26 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011598.D

Acq: 16 Aug 2019 23:03

Instrument :

MSVOA_X

ClientSampleId :

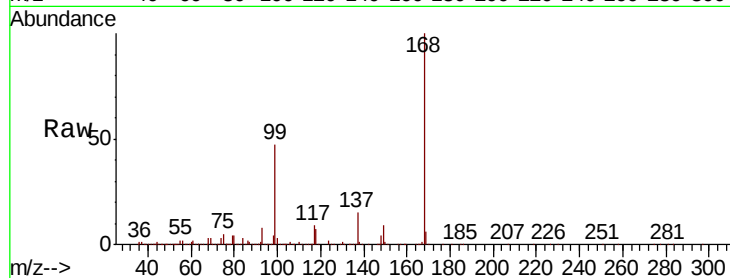
VX0816WBS02

Tgt Ion:168 Resp: 353945

Ion Ratio Lower Upper

168 100

99 47.0 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

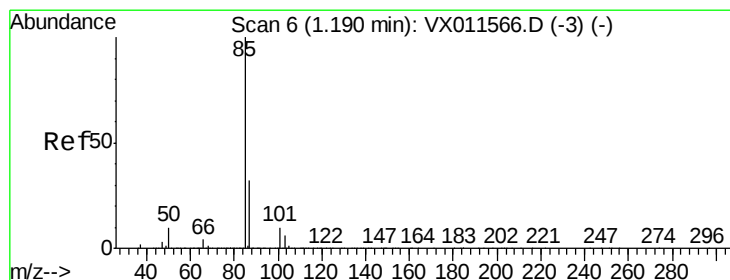
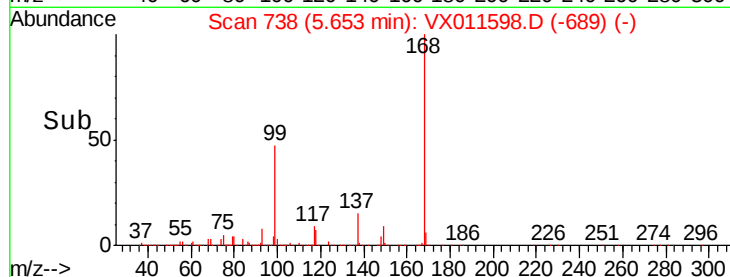
5.65

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 21.301 ug/l

RT: 1.19 min Scan# 6

Delta R.T. 0.00 min

Lab File: VX011598.D

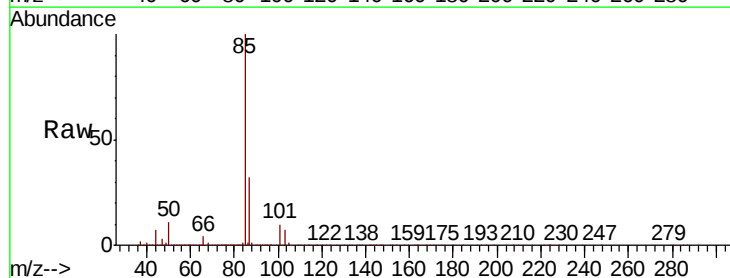
Acq: 16 Aug 2019 23:03

Tgt Ion: 85 Resp: 74109

Ion Ratio Lower Upper

85 100

87 31.8 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

80000

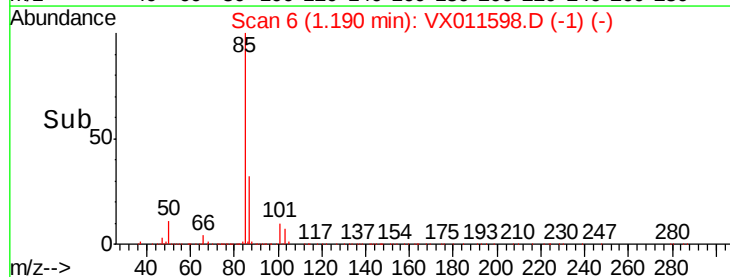
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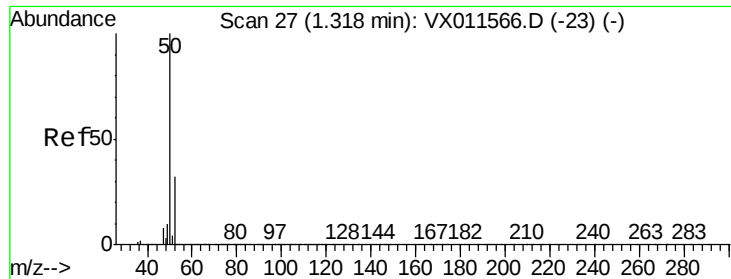
40000

20000

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Time-->





#3

Chloromethane

Concen: 17.648 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011598.D

Acq: 16 Aug 2019 23:03

Instrument :

MSVOA_X

ClientSampleId :

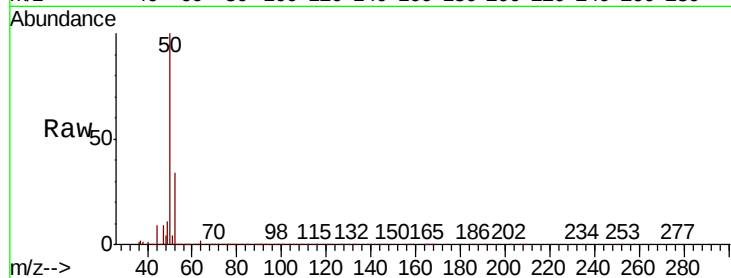
VX0816WBS02

Tgt Ion: 50 Resp: 63770

Ion Ratio Lower Upper

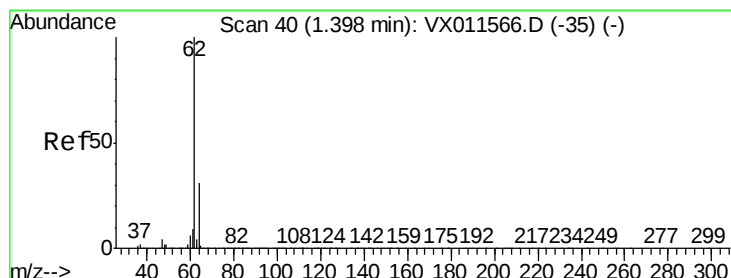
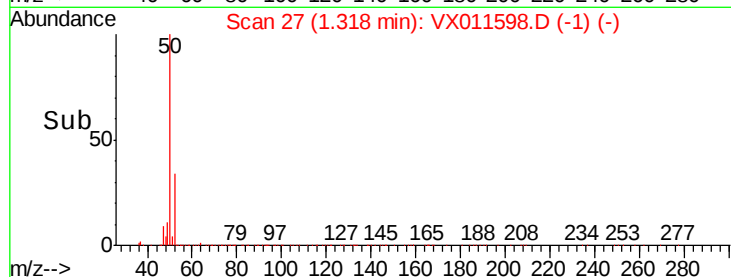
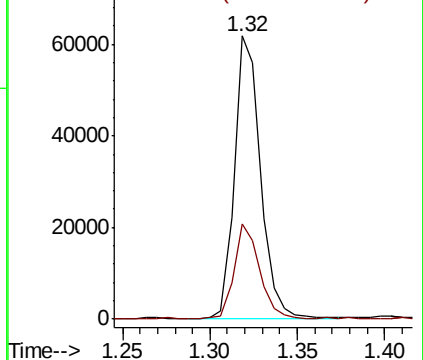
50 100

52 33.4 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 19.613 ug/l

RT: 1.40 min Scan# 40

Delta R.T. 0.00 min

Lab File: VX011598.D

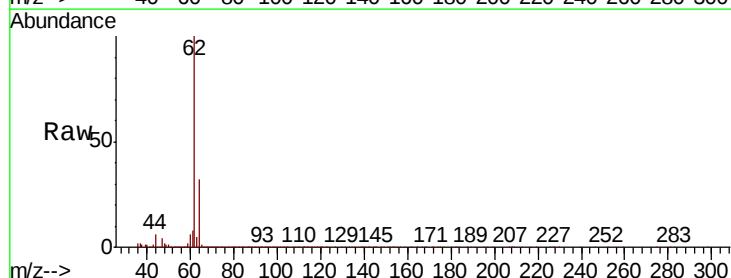
Acq: 16 Aug 2019 23:03

Tgt Ion: 62 Resp: 64019

Ion Ratio Lower Upper

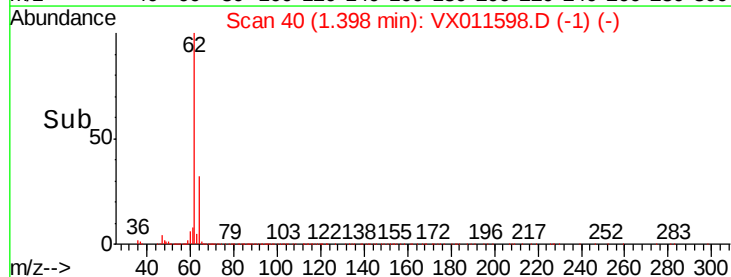
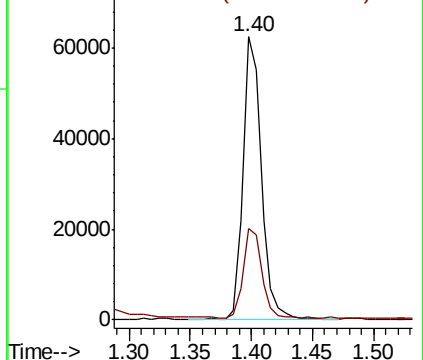
62 100

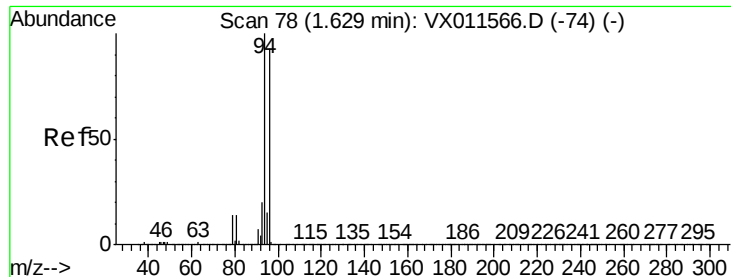
64 31.4 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 22.753 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.01 min

Lab File: VX011598.D

Acq: 16 Aug 2019 23:03

Instrument :

MSVOA_X

ClientSampleId :

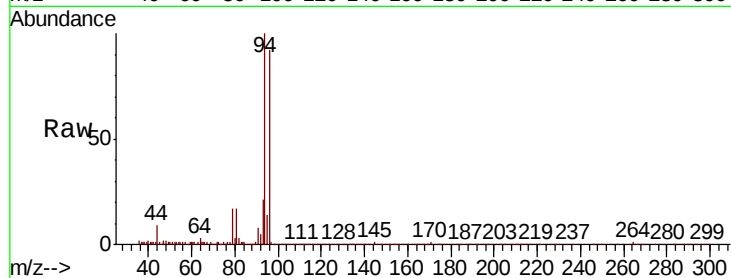
VX0816WBS02

Tgt Ion: 94 Resp: 33279

Ion Ratio Lower Upper

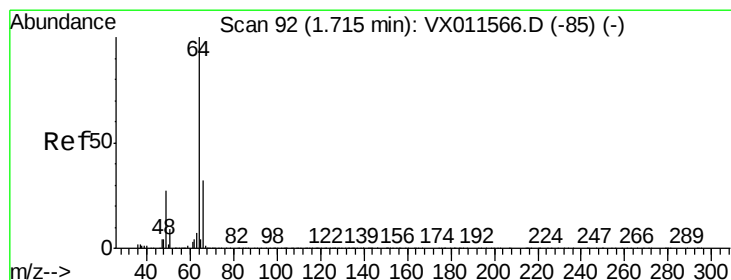
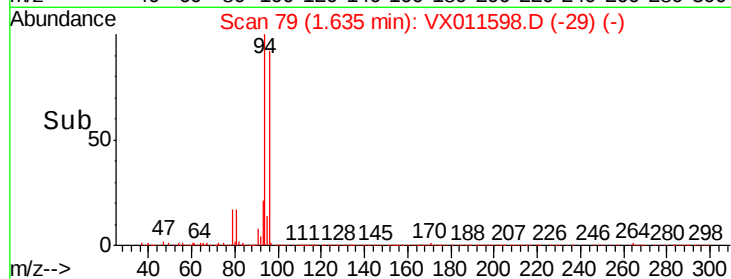
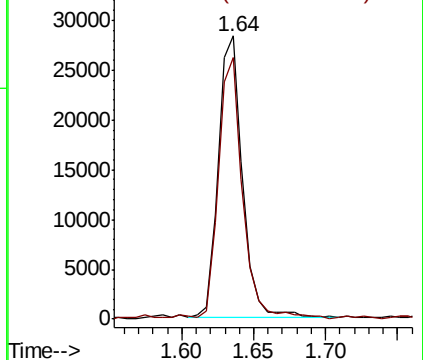
94 100

96 92.2 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 20.011 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX011598.D

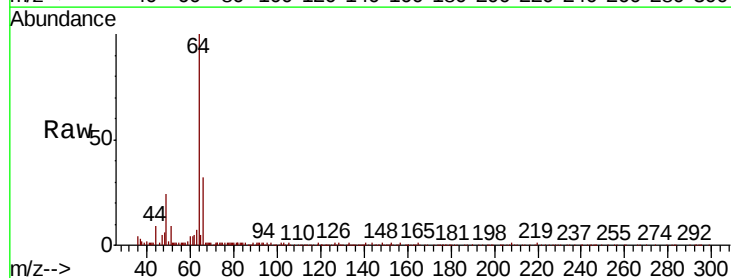
Acq: 16 Aug 2019 23:03

Tgt Ion: 64 Resp: 30915

Ion Ratio Lower Upper

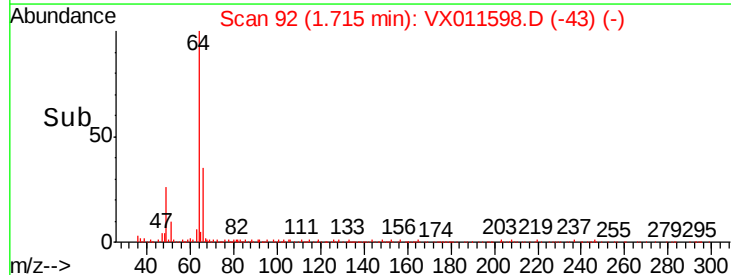
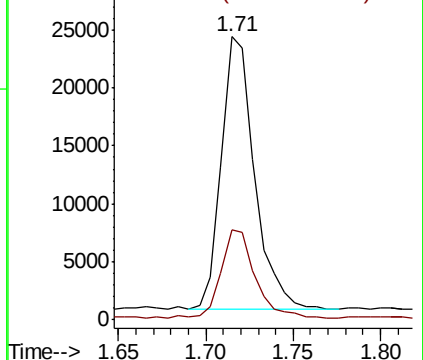
64 100

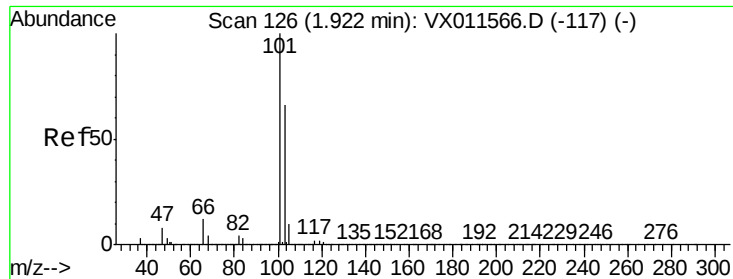
66 32.6 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



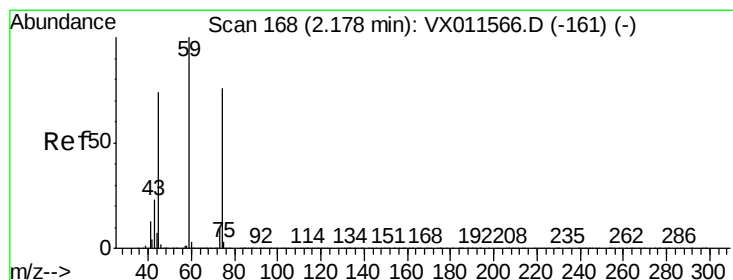
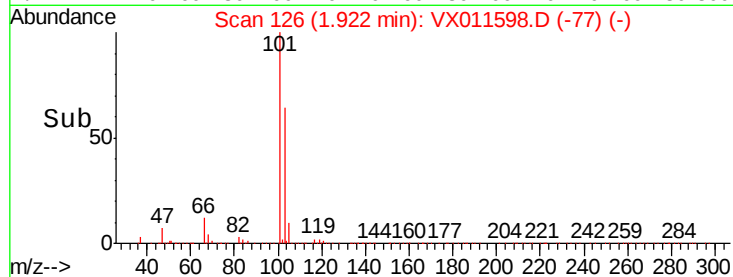
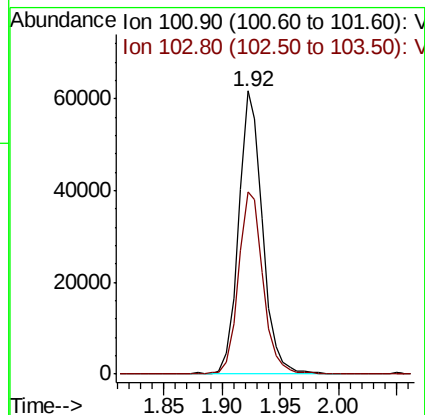
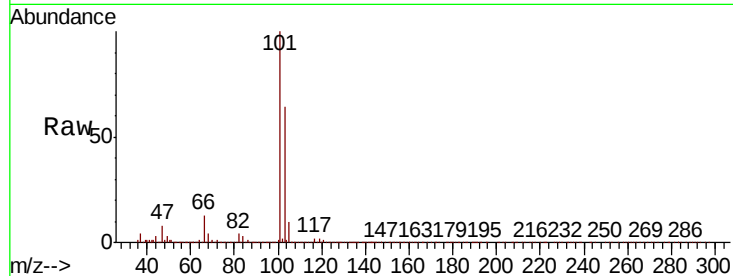


#7

Trichlorofluoromethane
Concen: 19.321 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX011598.D
Acq: 16 Aug 2019 23:03

Instrument :
MSVOA_X
ClientSampleId :
VX0816WBS02

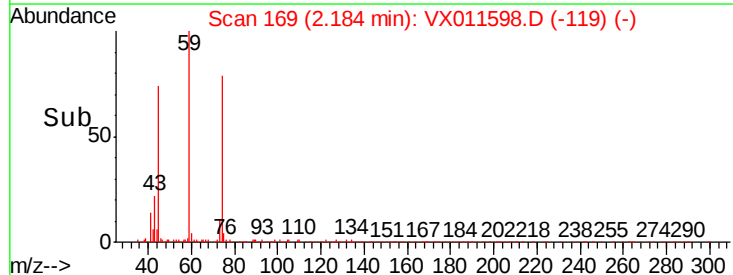
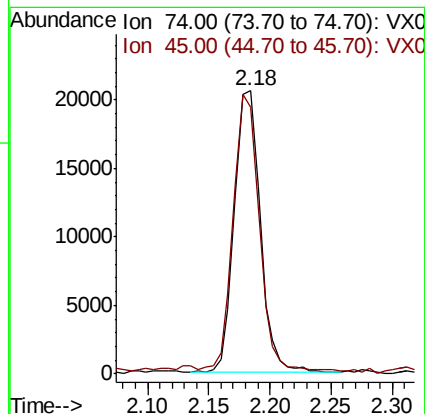
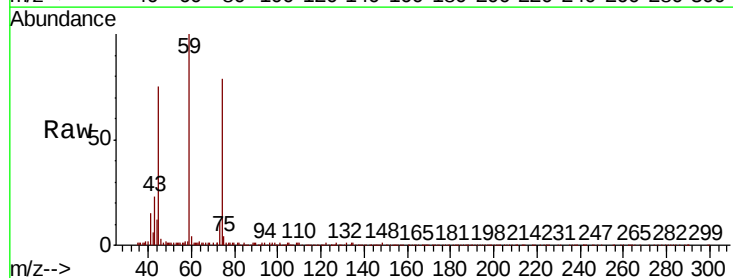
Tgt Ion:101 Resp: 87355
Ion Ratio Lower Upper
101 100
103 64.3 52.9 79.3

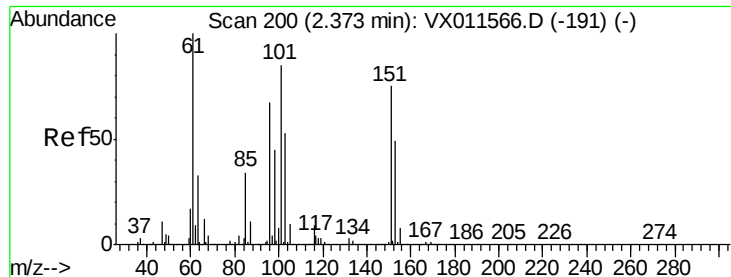


#8

Diethyl Ether
Concen: 19.522 ug/l
RT: 2.18 min Scan# 169
Delta R.T. 0.01 min
Lab File: VX011598.D
Acq: 16 Aug 2019 23:03

Tgt Ion: 74 Resp: 30277
Ion Ratio Lower Upper
74 100
45 101.0 48.2 144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.189 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.01 min

Lab File: VX011598.D

Acq: 16 Aug 2019 23:03

Instrument :

MSVOA_X

ClientSampleId :

VX0816WBS02

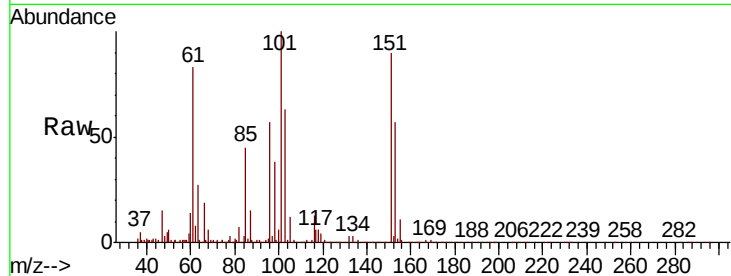
Tgt Ion:101 Resp: 53680

Ion Ratio Lower Upper

101 100

85 45.9 33.0 49.4

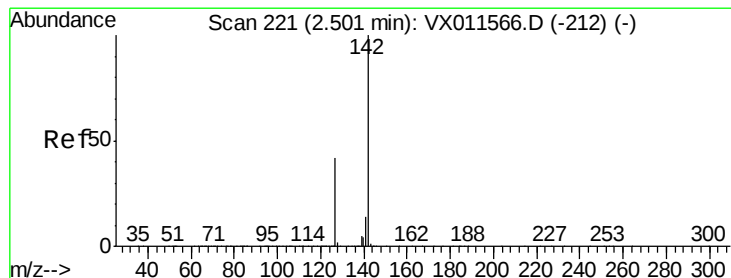
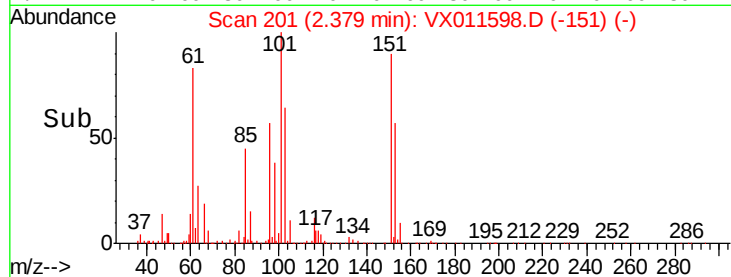
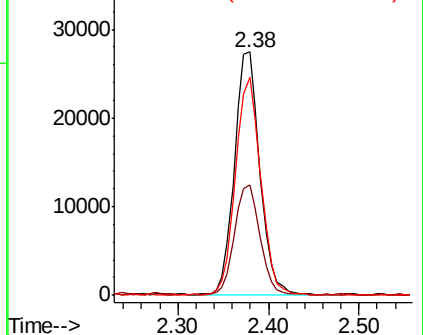
151 89.1 73.3 109.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 16.416 ug/l

RT: 2.50 min Scan# 221

Delta R.T. 0.00 min

Lab File: VX011598.D

Acq: 16 Aug 2019 23:03

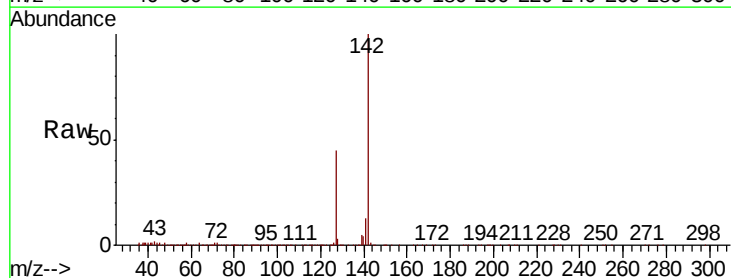
Tgt Ion:142 Resp: 73029

Ion Ratio Lower Upper

142 100

127 44.0 32.8 49.2

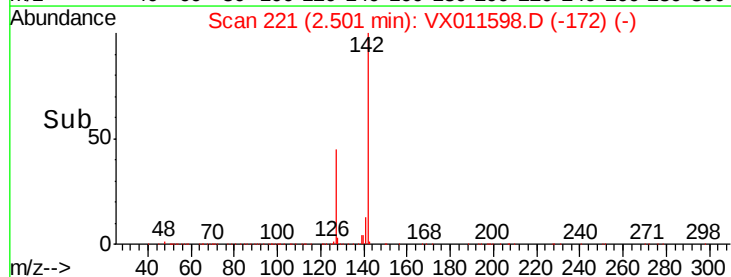
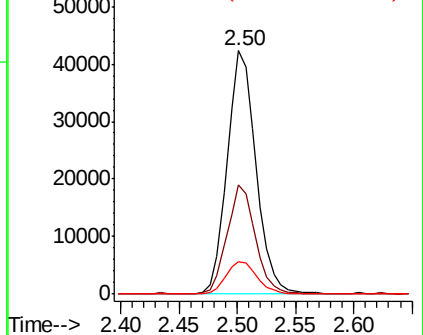
141 14.6 11.4 17.2

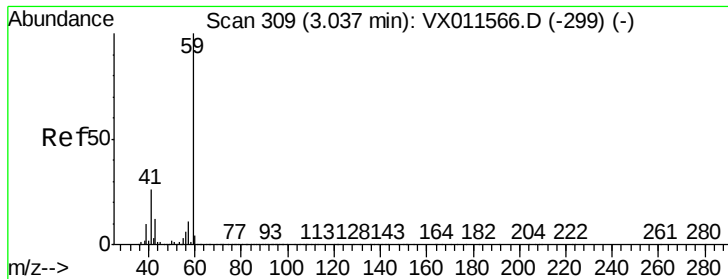


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

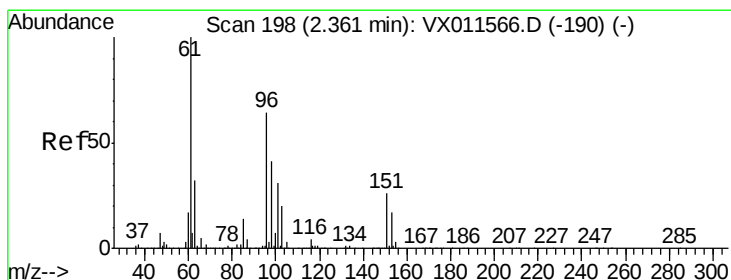
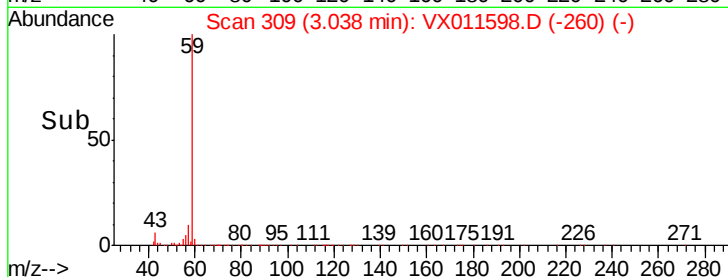
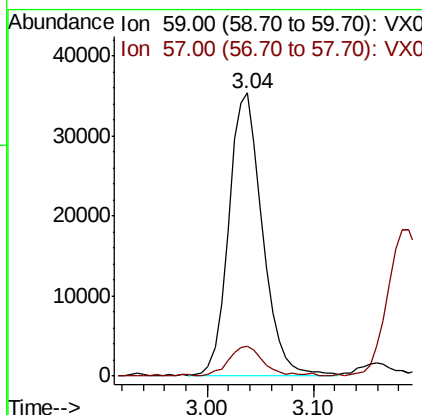
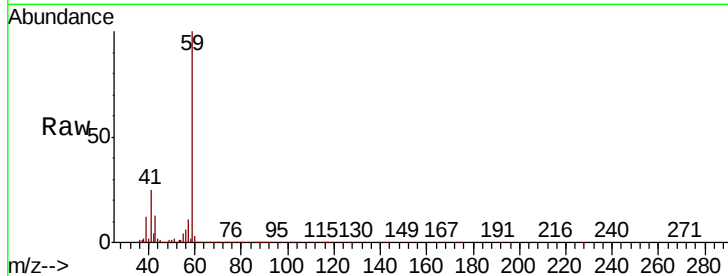




#11
Tert butyl alcohol
Concen: 96.765 ug/l
RT: 3.04 min Scan# 309
Delta R.T. 0.00 min
Lab File: VX011598.D
Acq: 16 Aug 2019 23:03

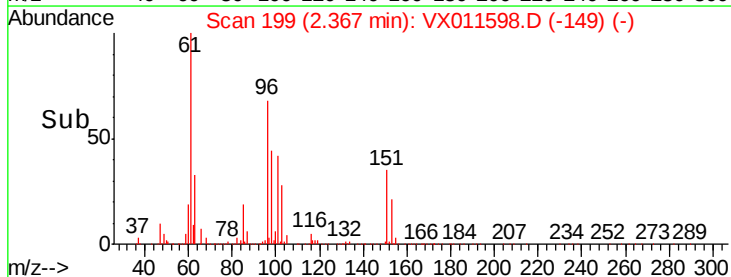
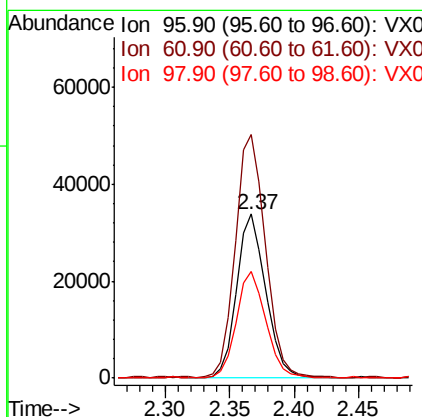
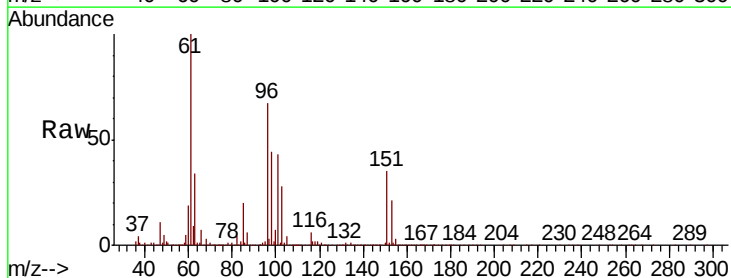
Instrument :
MSVOA_X
ClientSampleId :
VX0816WBS02

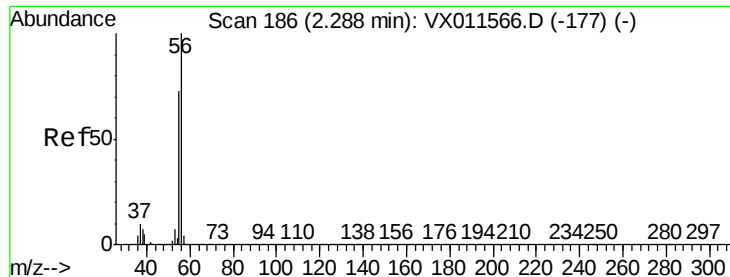
Tgt Ion: 59 Resp: 77921
Ion Ratio Lower Upper
59 100
57 10.1 8.7 13.1



#12
1,1-Dichloroethene
Concen: 17.580 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.01 min
Lab File: VX011598.D
Acq: 16 Aug 2019 23:03

Tgt Ion: 96 Resp: 53054
Ion Ratio Lower Upper
96 100
61 148.4 125.0 187.4
98 64.9 51.5 77.3





#13

Acrolein

Concen: 88.792 ug/l

RT: 2.29 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX011598.D

Acq: 16 Aug 2019 23:03

Instrument :

MSVOA_X

ClientSampleId :

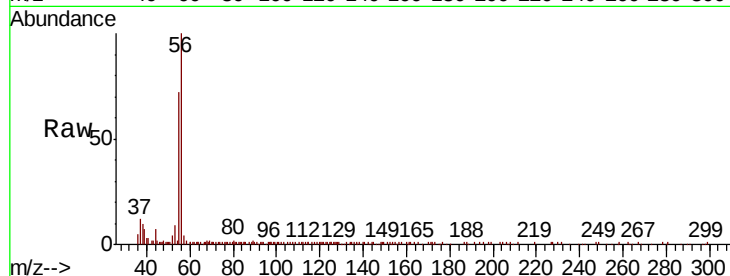
VX0816WBS02

Tgt Ion: 56 Resp: 19954

Ion Ratio Lower Upper

56 100

55 71.5 55.5 83.3



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

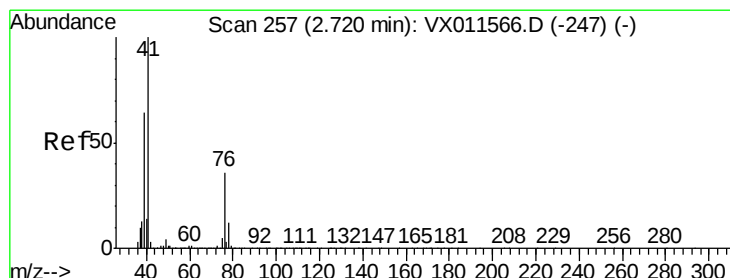
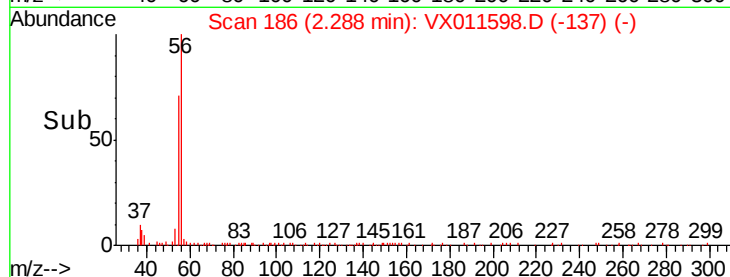
15000

10000

5000

0

Time--> 2.20 2.25 2.30 2.35



#14

Allyl chloride

Concen: 19.393 ug/l

RT: 2.72 min Scan# 257

Delta R.T. 0.00 min

Lab File: VX011598.D

Acq: 16 Aug 2019 23:03

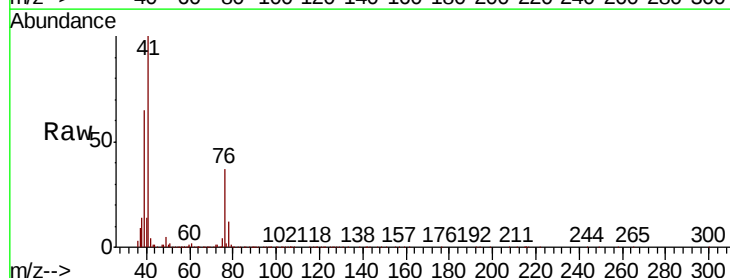
Tgt Ion: 41 Resp: 97360

Ion Ratio Lower Upper

41 100

39 59.2 47.5 71.3

76 31.6 26.3 39.5



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

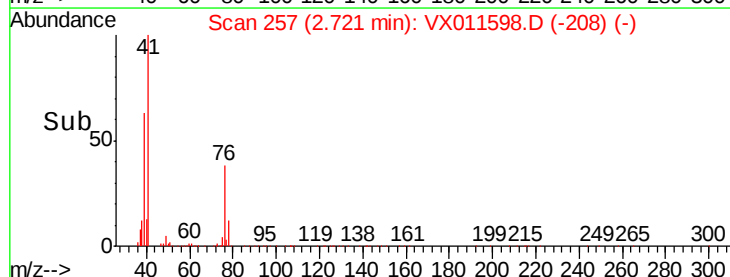
60000

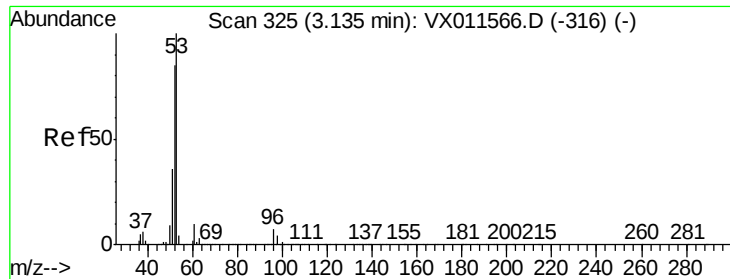
40000

20000

0

Time--> 2.60 2.70 2.80





#15

Acrylonitrile

Concen: 101.156 ug/l

RT: 3.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX011598.D

Acq: 16 Aug 2019 23:03

Instrument :

MSVOA_X

ClientSampleId :

VX0816WBS02

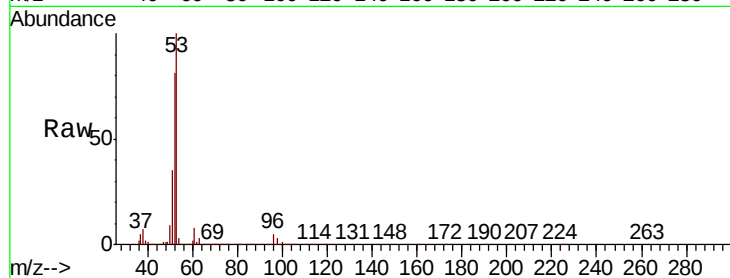
Tgt Ion: 53 Resp: 186431

Ion Ratio Lower Upper

53 100

52 82.2 66.7 100.1

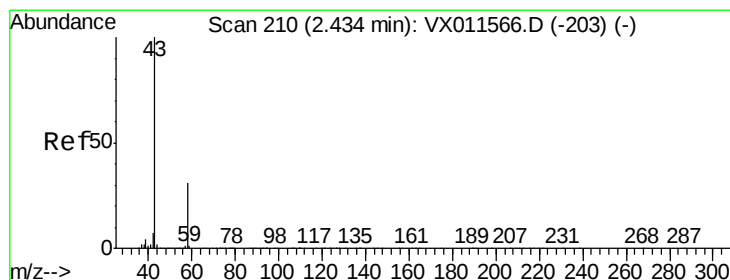
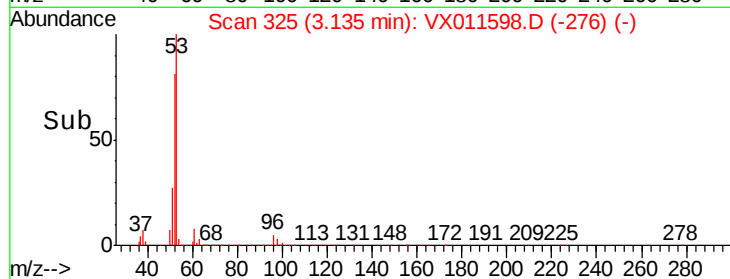
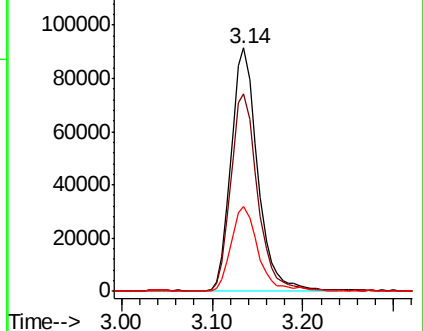
51 34.9 28.7 43.1



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 93.298 ug/l

RT: 2.43 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX011598.D

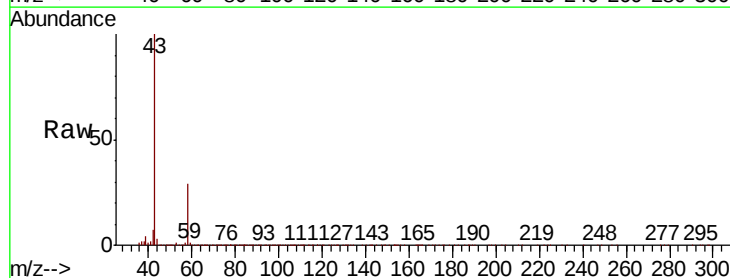
Acq: 16 Aug 2019 23:03

Tgt Ion: 43 Resp: 153983

Ion Ratio Lower Upper

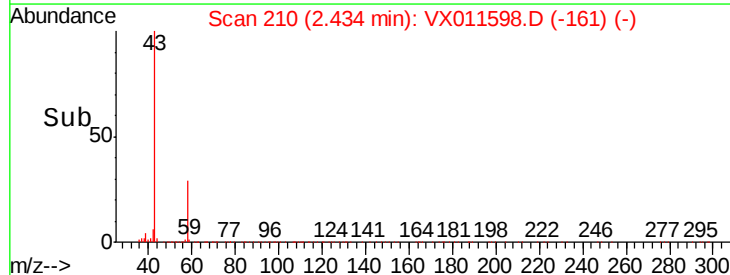
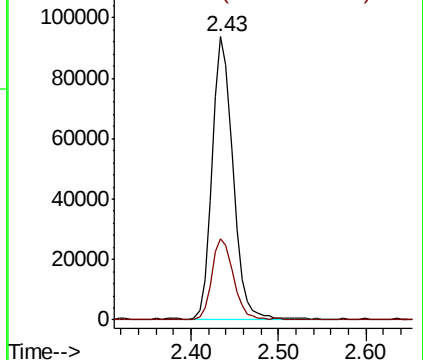
43 100

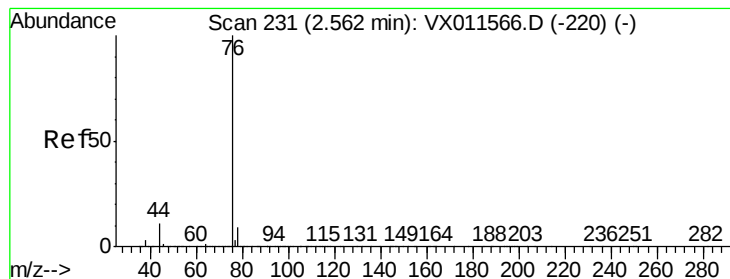
58 28.7 25.2 37.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 18.412 ug/l

RT: 2.56 min Scan# 231

Delta R.T. 0.00 min

Lab File: VX011598.D

Acq: 16 Aug 2019 23:03

Instrument :

MSVOA_X

ClientSampleId :

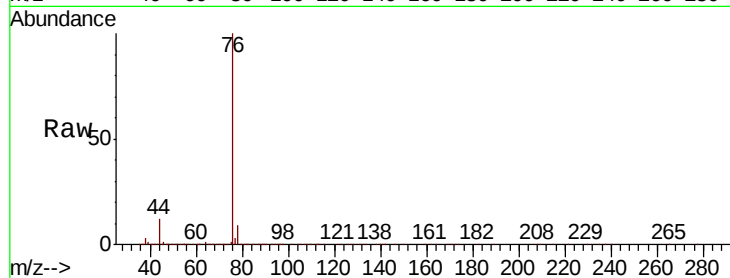
VX0816WBS02

Tgt Ion: 76 Resp: 130938

Ion Ratio Lower Upper

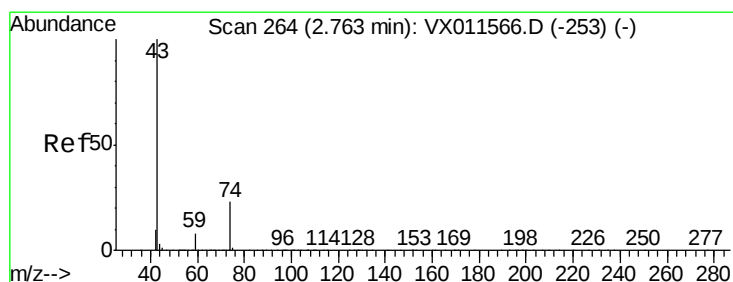
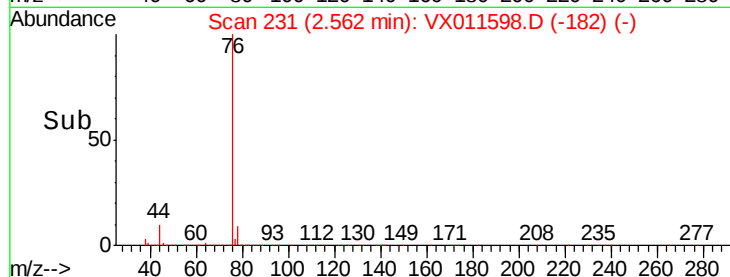
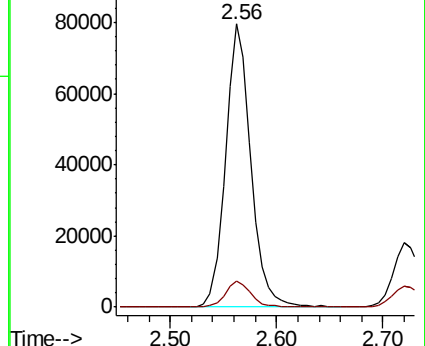
76 100

78 9.1 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 20.630 ug/l

RT: 2.76 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX011598.D

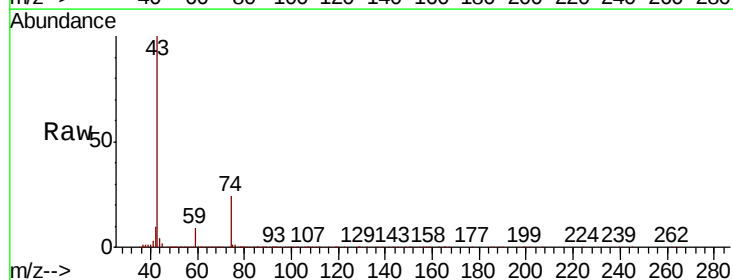
Acq: 16 Aug 2019 23:03

Tgt Ion: 43 Resp: 105596

Ion Ratio Lower Upper

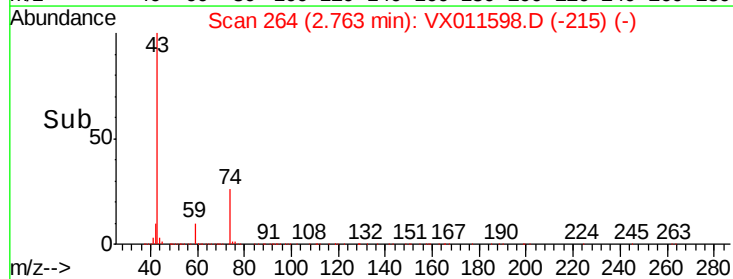
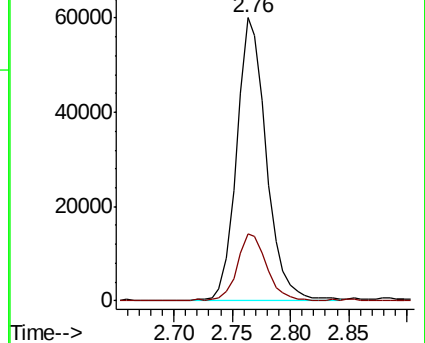
43 100

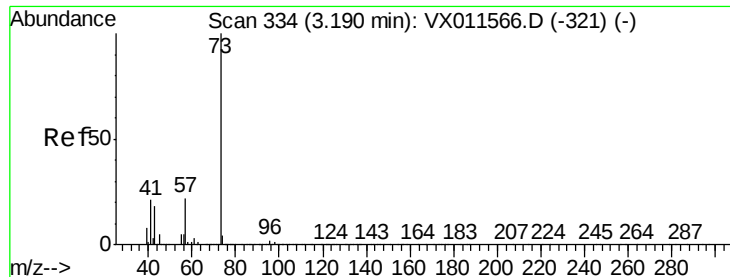
74 24.2 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



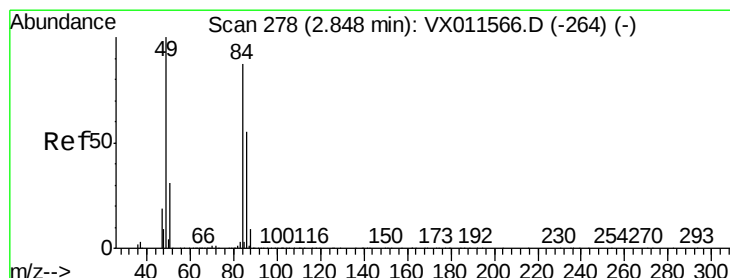
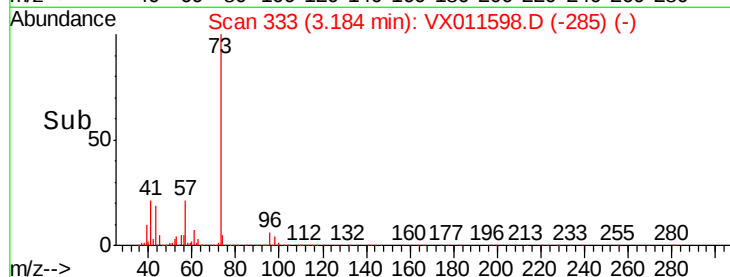
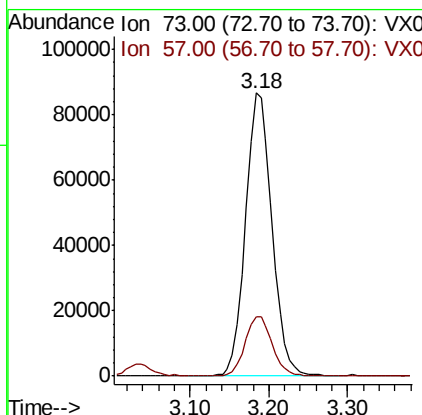
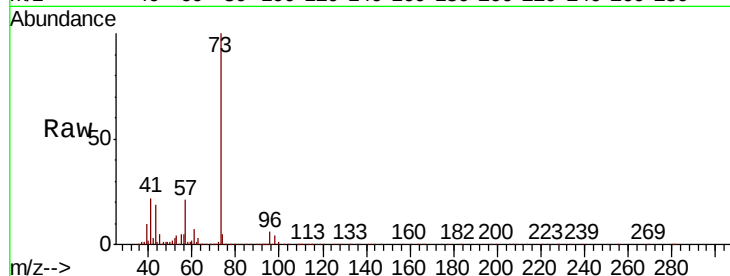


#19

Methyl tert-butyl Ether
 Concen: 20.456 ug/l
 RT: 3.18 min Scan# 333
 Delta R.T. -0.01 min
 Lab File: VX011598.D
 Acq: 16 Aug 2019 23:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0816WBS02

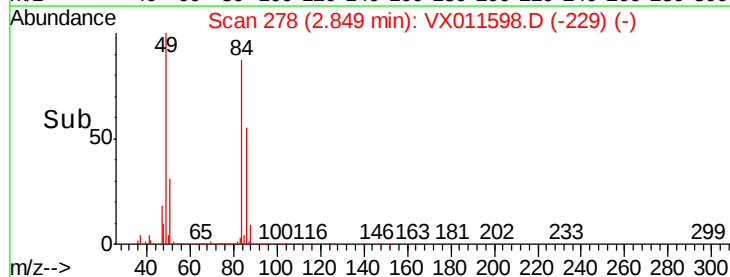
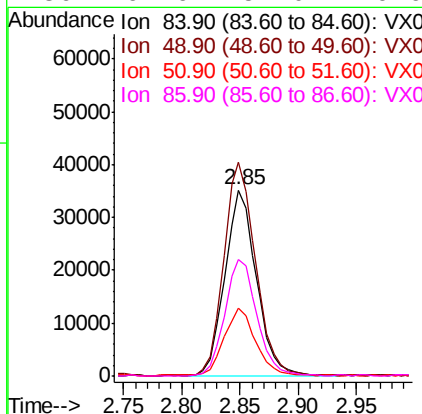
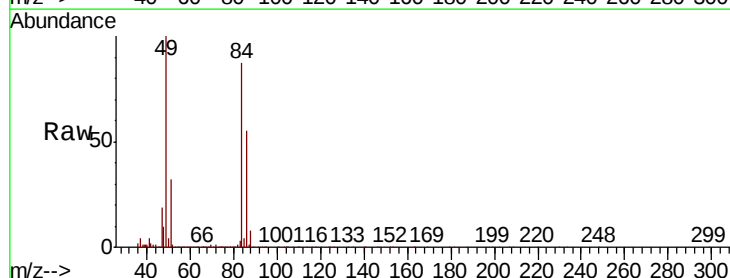
Tgt Ion: 73 Resp: 201060
 Ion Ratio Lower Upper
 73 100
 57 20.9 17.2 25.8

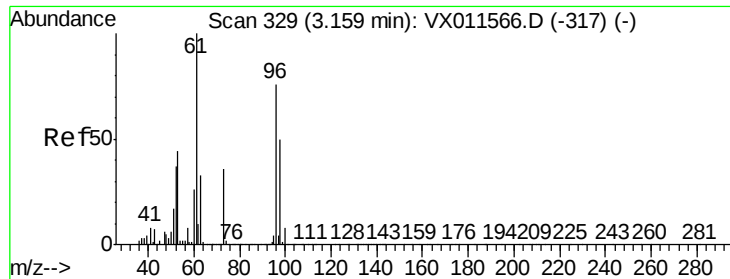


#20

Methylene Chloride
 Concen: 18.908 ug/l
 RT: 2.85 min Scan# 278
 Delta R.T. 0.00 min
 Lab File: VX011598.D
 Acq: 16 Aug 2019 23:03

Tgt Ion: 84 Resp: 65524
 Ion Ratio Lower Upper
 84 100
 49 114.7 92.4 138.6
 51 35.7 28.5 42.7
 86 62.6 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 19.715 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX011598.D

Acq: 16 Aug 2019 23:03

Instrument :

MSVOA_X

ClientSampleId :

VX0816WBS02

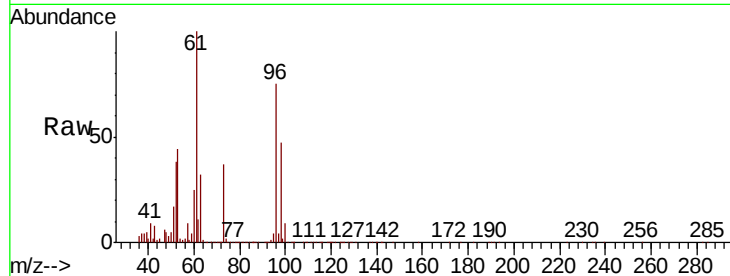
Tgt Ion: 96 Resp: 63051

Ion Ratio Lower Upper

96 100

61 133.0 105.5 158.3

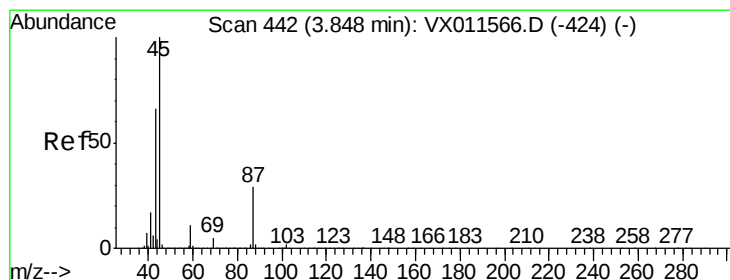
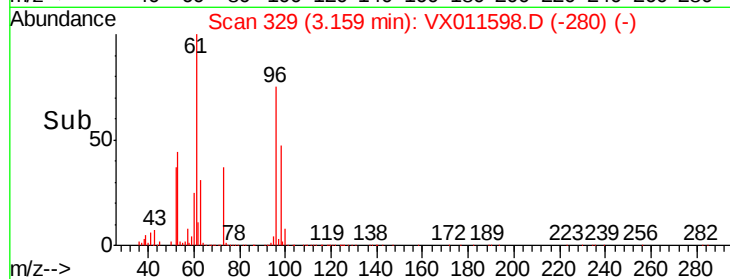
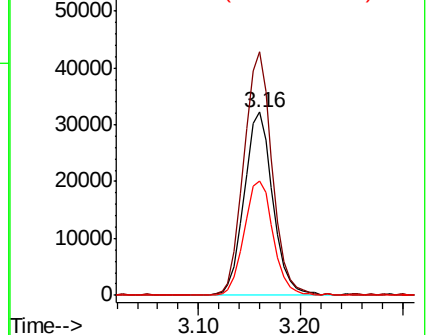
98 62.8 52.6 78.8



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 20.134 ug/l

RT: 3.85 min Scan# 442

Delta R.T. 0.00 min

Lab File: VX011598.D

Acq: 16 Aug 2019 23:03

Tgt Ion: 45 Resp: 201301

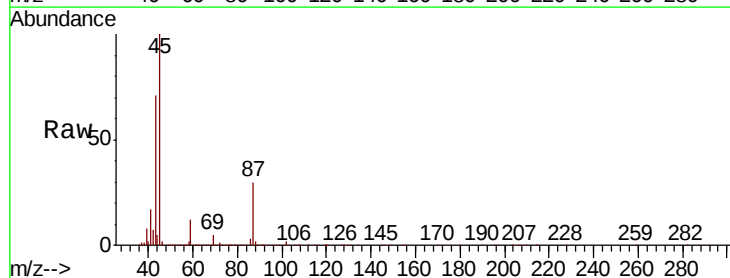
Ion Ratio Lower Upper

45 100

43 71.2 52.7 79.1

87 29.8 23.5 35.3

59 12.3 9.0 13.4

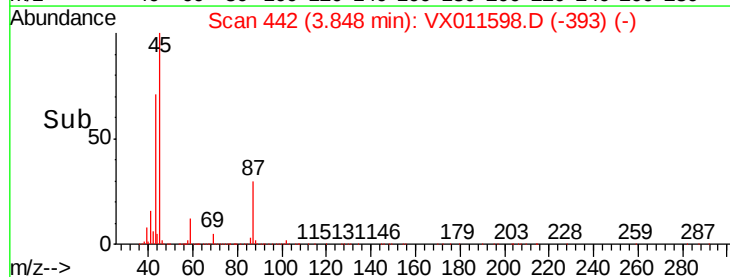
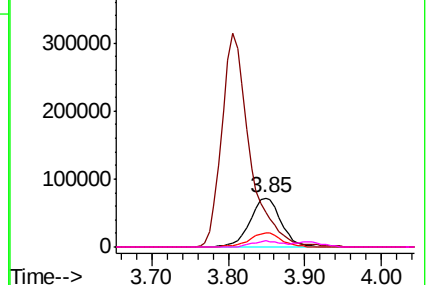


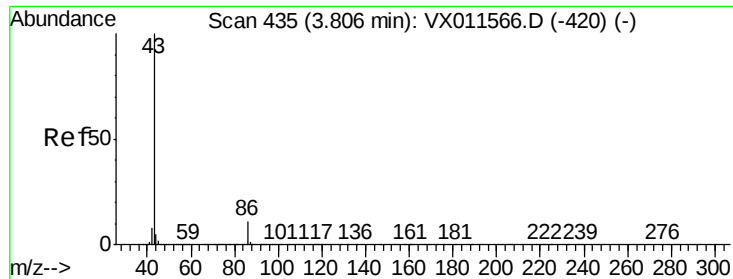
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 101.102 ug/l

RT: 3.81 min Scan# 435

Delta R.T. 0.00 min

Lab File: VX011598.D

Acq: 16 Aug 2019 23:03

Instrument :

MSVOA_X

ClientSampleId :

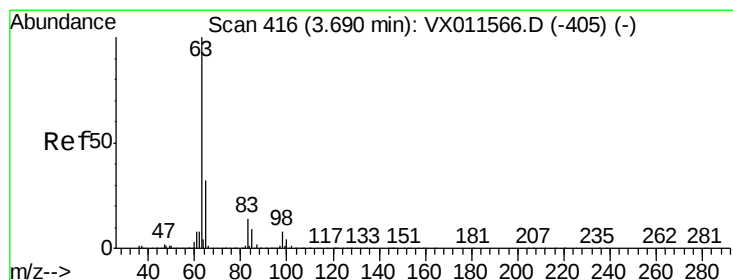
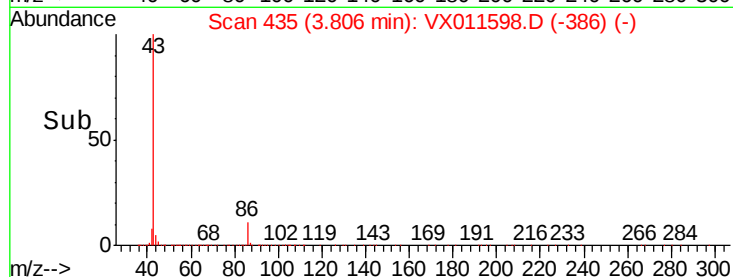
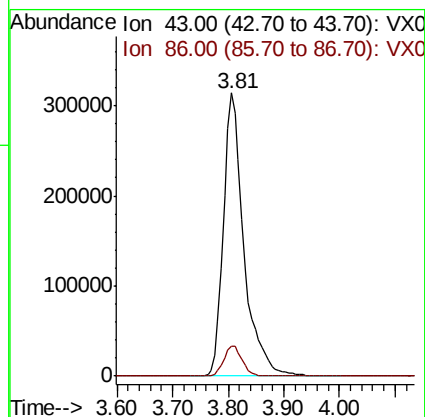
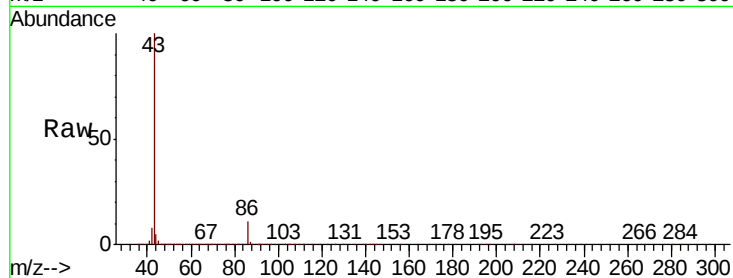
VX0816WBS02

Tgt Ion: 43 Resp: 800431

Ion Ratio Lower Upper

43 100

86 10.6 8.6 13.0



#24

1,1-Dichloroethane

Concen: 19.621 ug/l

RT: 3.69 min Scan# 416

Delta R.T. 0.00 min

Lab File: VX011598.D

Acq: 16 Aug 2019 23:03

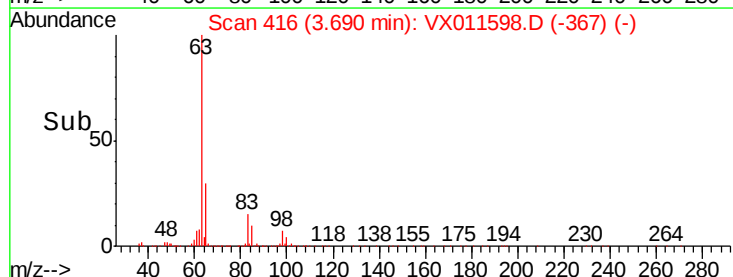
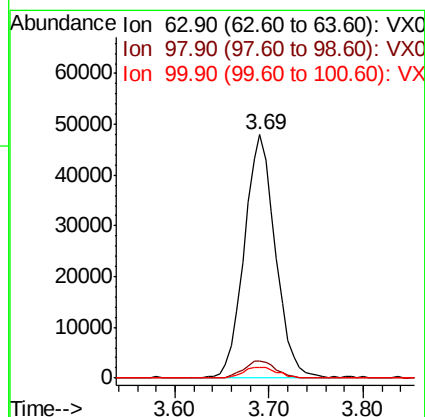
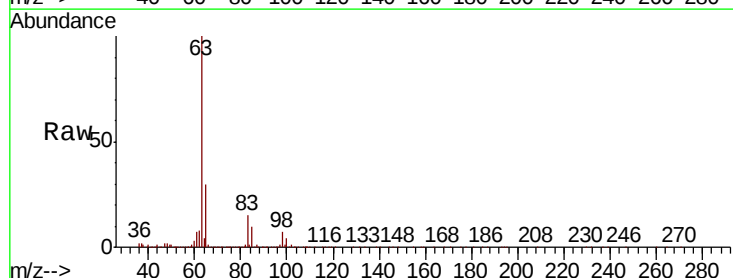
Tgt Ion: 63 Resp: 110910

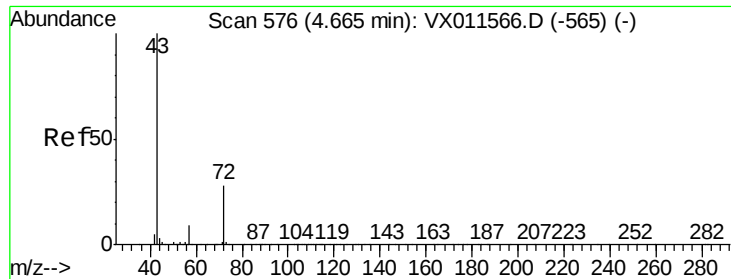
Ion Ratio Lower Upper

63 100

98 7.0 3.7 11.1

100 4.4 2.1 6.3





#25

2-Butanone

Concen: 100.270 ug/l

RT: 4.67 min Scan# 576

Delta R.T. 0.00 min

Lab File: VX011598.D

Acq: 16 Aug 2019 23:03

Instrument :

MSVOA_X

ClientSampleId :

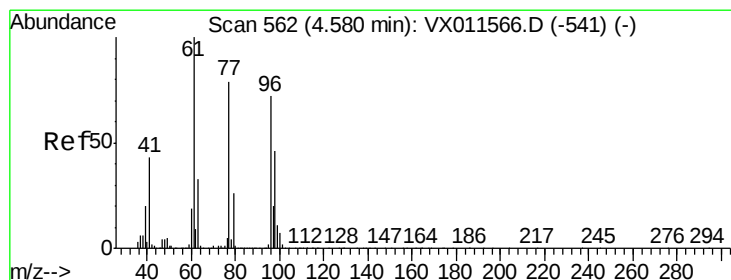
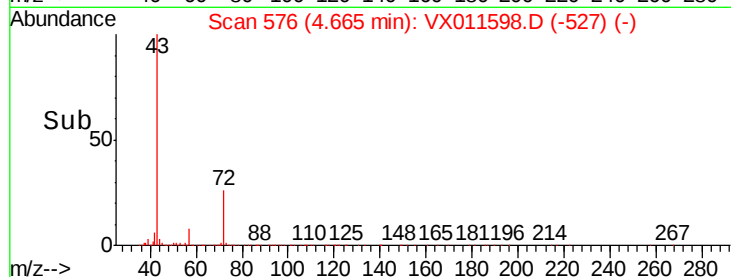
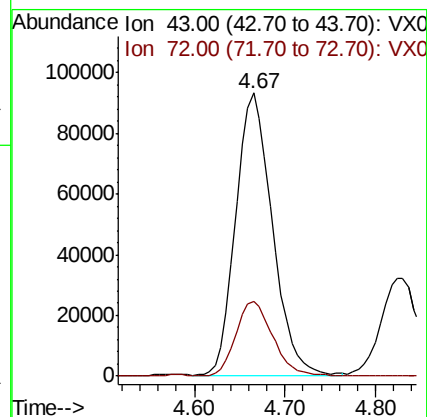
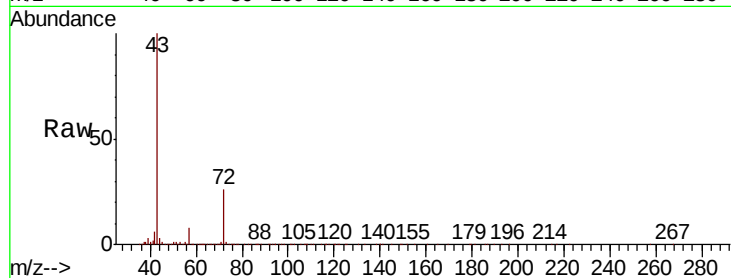
VX0816WBS02

Tgt Ion: 43 Resp: 259804

Ion Ratio Lower Upper

43 100

72 26.2 22.2 33.4



#26

2,2-Dichloropropane

Concen: 16.120 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX011598.D

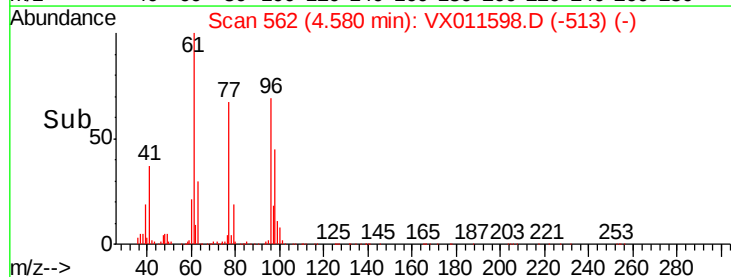
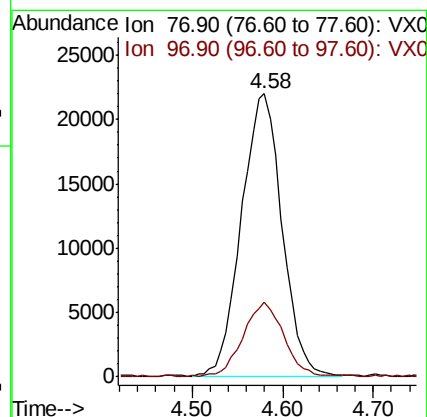
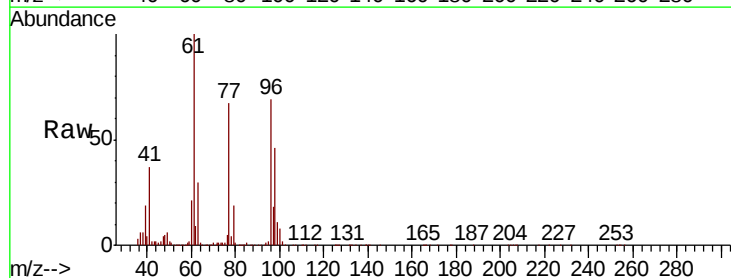
Acq: 16 Aug 2019 23:03

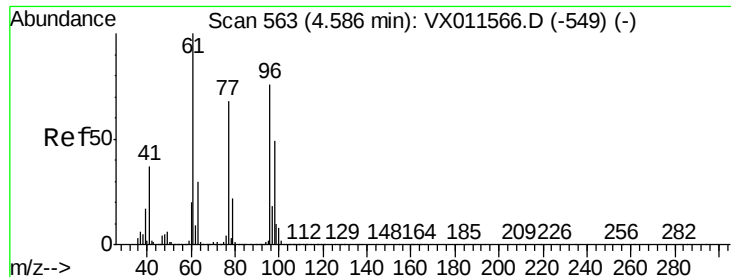
Tgt Ion: 77 Resp: 68581

Ion Ratio Lower Upper

77 100

97 26.3 12.4 37.2



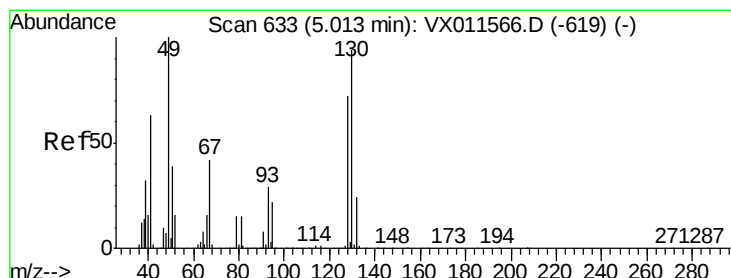
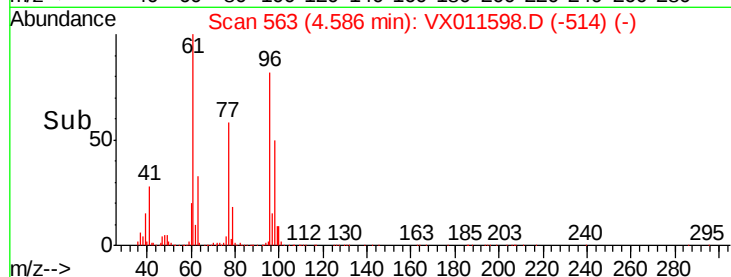
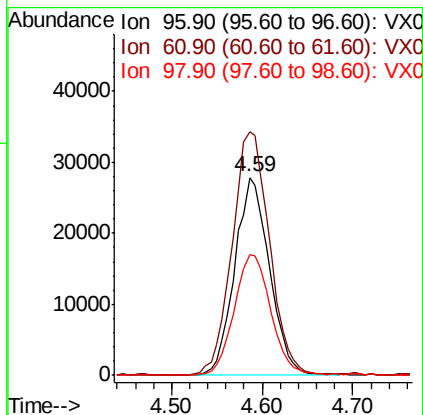
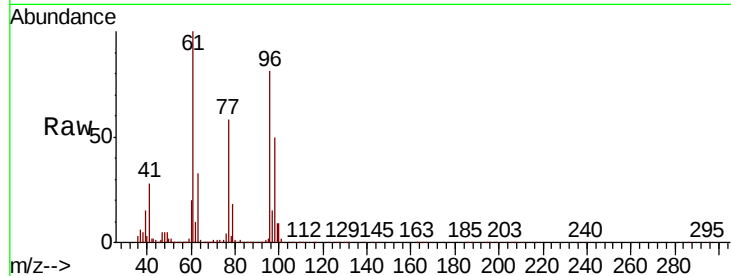


#27

cis-1,2-Dichloroethene
Concen: 19.933 ug/l
RT: 4.59 min Scan# 563
Delta R.T. 0.00 min
Lab File: VX011598.D
Acq: 16 Aug 2019 23:03

Instrument :
MSVOA_X
ClientSampleId :
VX0816WBS02

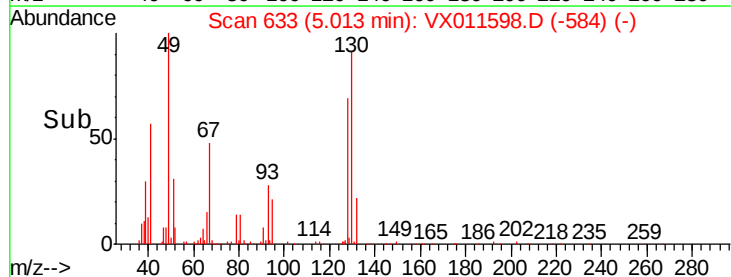
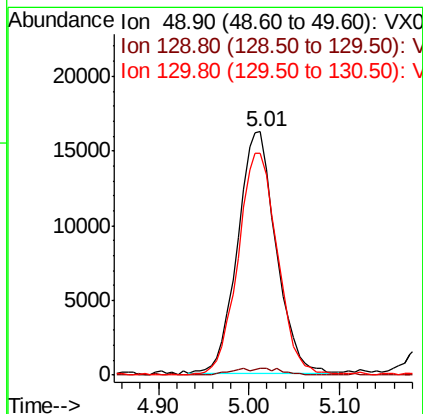
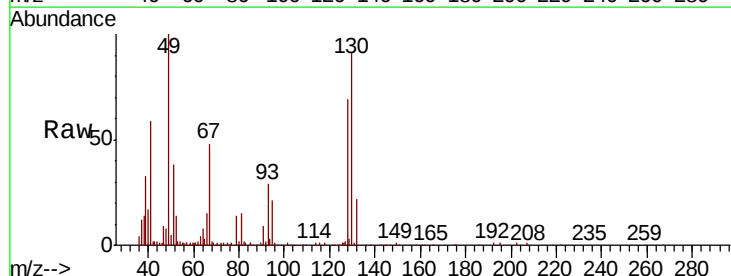
Tgt Ion: 96 Resp: 74317
Ion Ratio Lower Upper
96 100
61 131.8 0.0 272.6
98 64.1 0.0 129.4

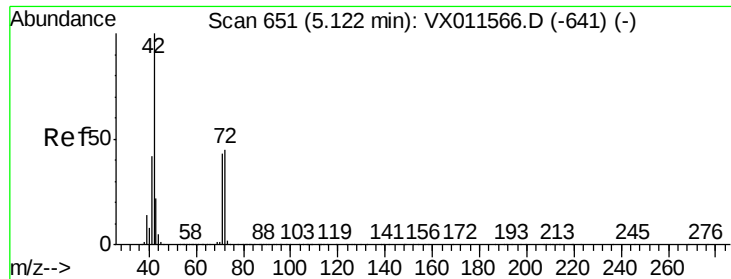


#28

Bromochloromethane
Concen: 19.096 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX011598.D
Acq: 16 Aug 2019 23:03

Tgt Ion: 49 Resp: 47387
Ion Ratio Lower Upper
49 100
129 1.5 0.0 5.0
130 94.7 76.6 115.0





#29

Tetrahydrofuran

Concen: 100.258 ug/l

RT: 5.12 min Scan# 651

Delta R.T. 0.00 min

Lab File: VX011598.D

Acq: 16 Aug 2019 23:03

Instrument :

MSVOA_X

ClientSampleId :

VX0816WBS02

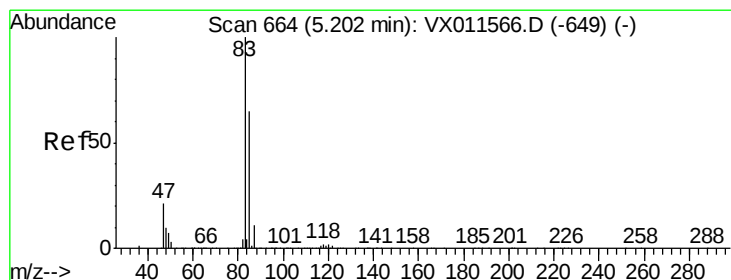
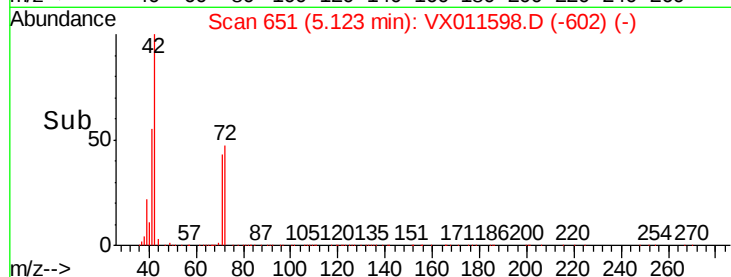
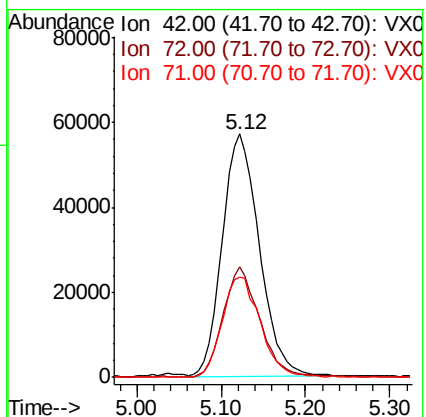
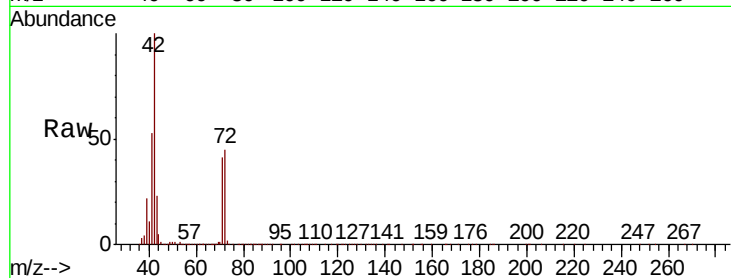
Tgt Ion: 42 Resp: 170403

Ion Ratio Lower Upper

42 100

72 45.1 36.1 54.1

71 42.6 33.8 50.8



#30

Chloroform

Concen: 19.564 ug/l

RT: 5.21 min Scan# 665

Delta R.T. 0.01 min

Lab File: VX011598.D

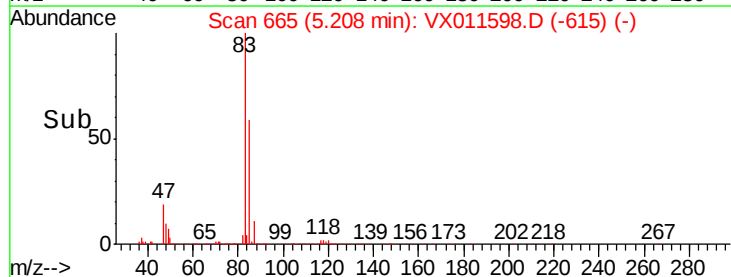
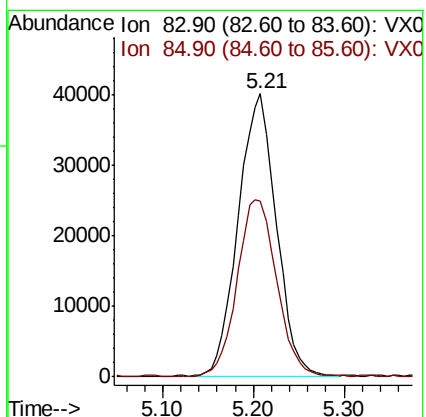
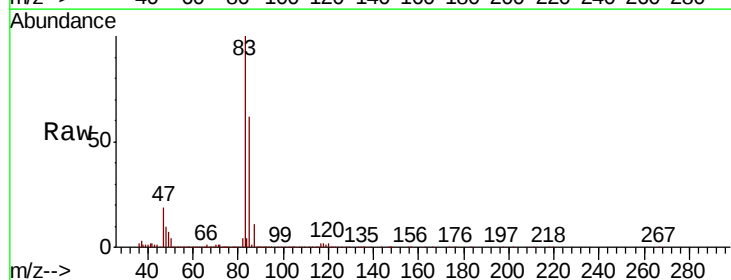
Acq: 16 Aug 2019 23:03

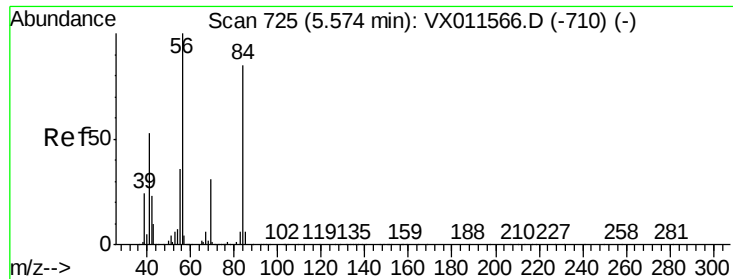
Tgt Ion: 83 Resp: 116709

Ion Ratio Lower Upper

83 100

85 62.1 51.9 77.9

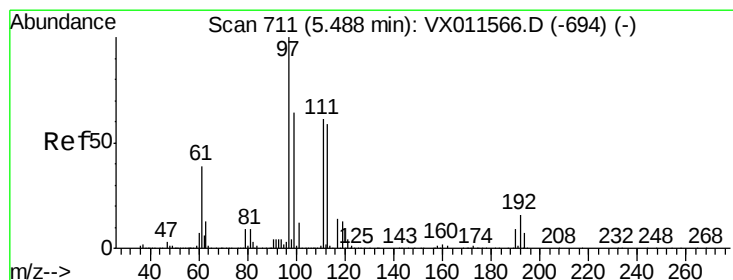
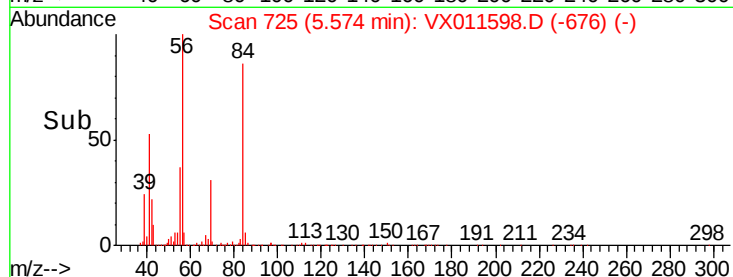
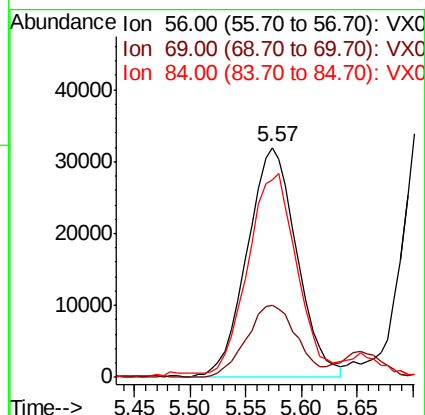
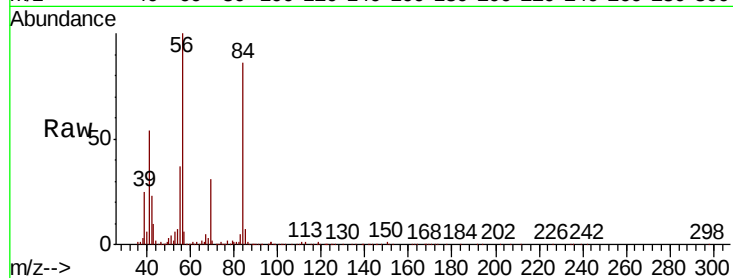




#31
Cyclohexane
Concen: 20.372 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX011598.D
Acq: 16 Aug 2019 23:03

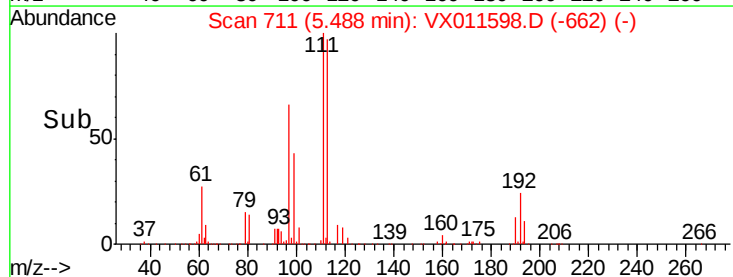
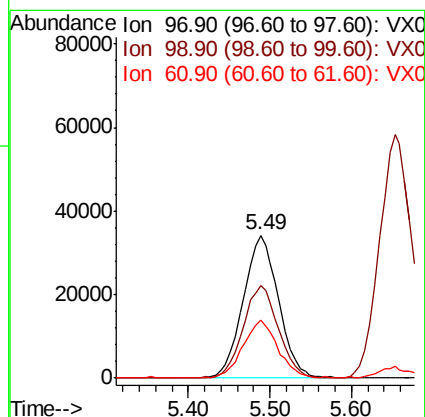
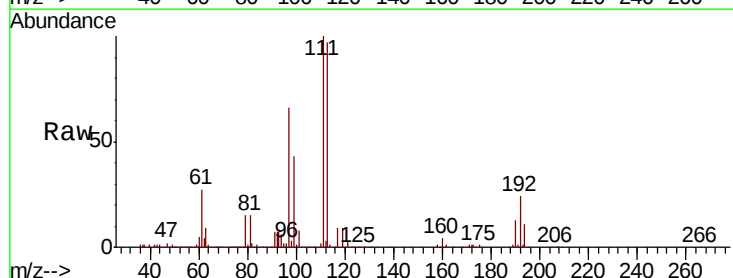
Instrument :
MSVOA_X
ClientSampleId :
VX0816WBS02

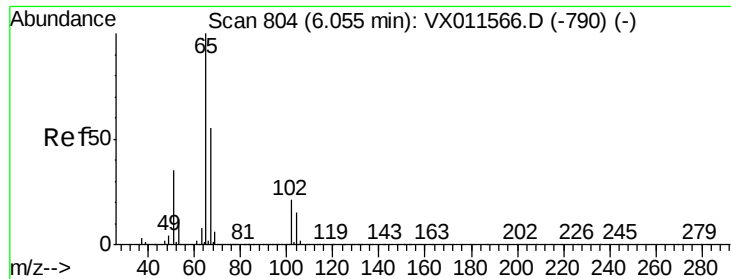
Tgt Ion: 56 Resp: 99148
Ion Ratio Lower Upper
56 100
69 30.6 24.8 37.2
84 84.5 67.9 101.9



#32
1,1,1-Trichloroethane
Concen: 20.016 ug/l
RT: 5.49 min Scan# 711
Delta R.T. 0.00 min
Lab File: VX011598.D
Acq: 16 Aug 2019 23:03

Tgt Ion: 97 Resp: 102672
Ion Ratio Lower Upper
97 100
99 64.8 51.4 77.0
61 39.8 31.4 47.2





#33

1,2-Dichloroethane-d4

Concen: 47.071 ug/l

RT: 6.06 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX011598.D

Acq: 16 Aug 2019 23:03

Instrument :

MSVOA_X

ClientSampleId :

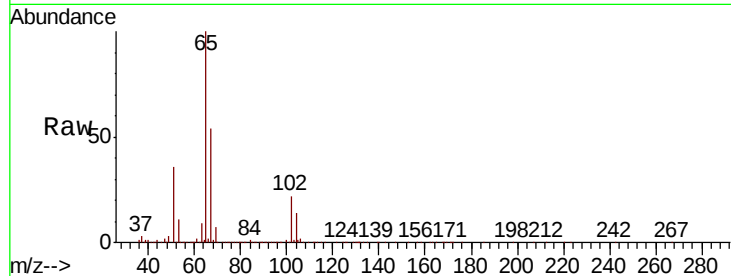
VX0816WBS02

Tgt Ion: 65 Resp: 154504

Ion Ratio Lower Upper

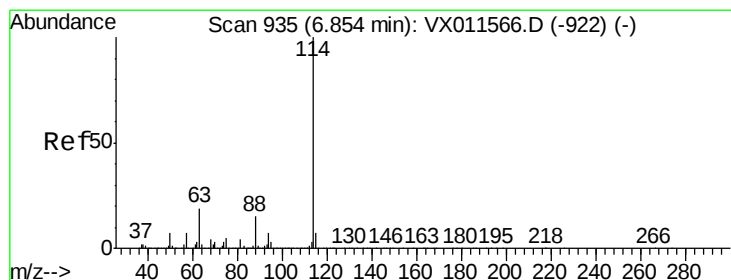
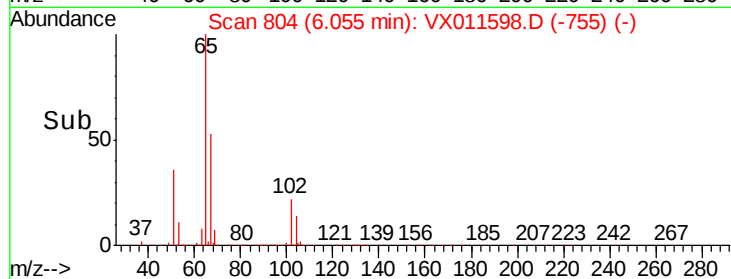
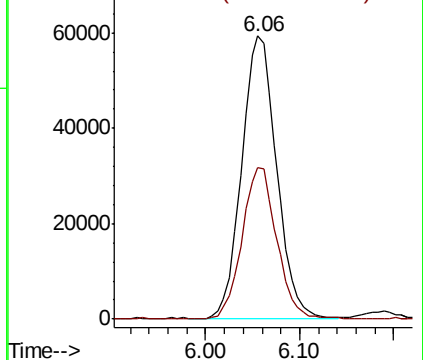
65 100

67 52.8 0.0 107.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. 0.00 min

Lab File: VX011598.D

Acq: 16 Aug 2019 23:03

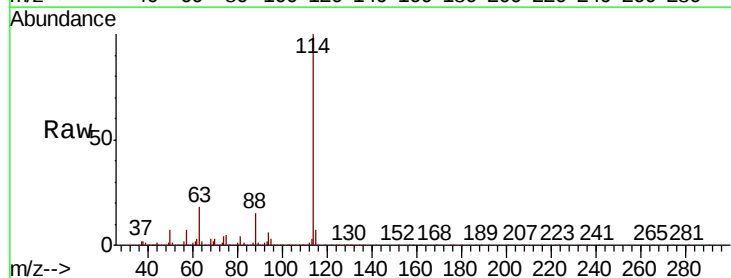
Tgt Ion: 114 Resp: 498790

Ion Ratio Lower Upper

114 100

63 17.9 0.0 37.8

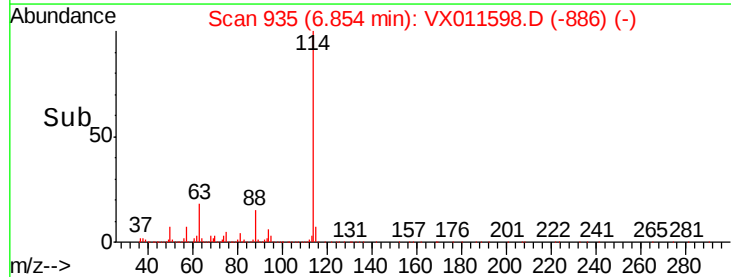
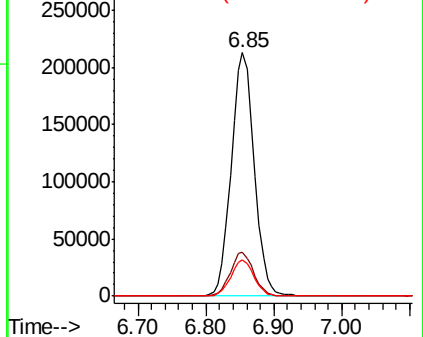
88 14.9 0.0 30.2

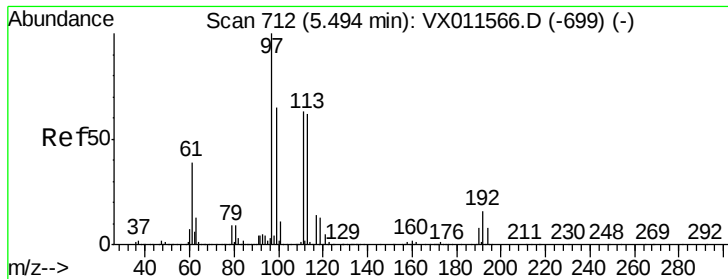


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 44.347 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX011598.D

Acq: 16 Aug 2019 23:03

Instrument :

MSVOA_X

ClientSampleId :

VX0816WBS02

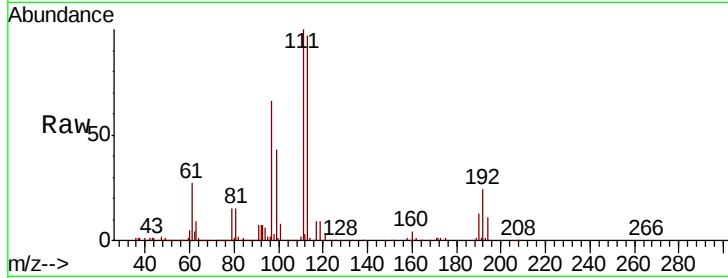
Tgt Ion:113 Resp: 144679

Ion Ratio Lower Upper

113 100

111 102.0 81.1 121.7

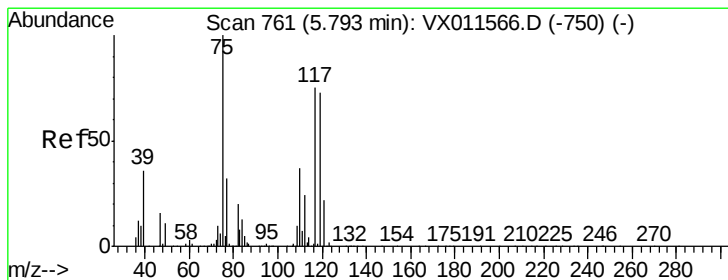
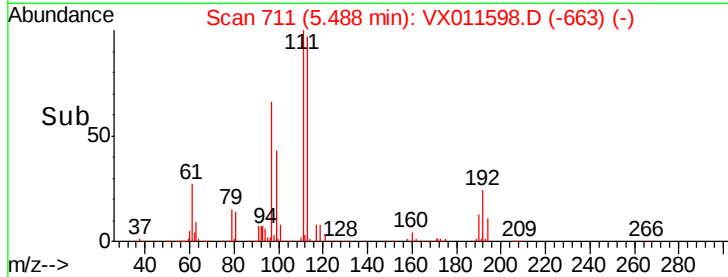
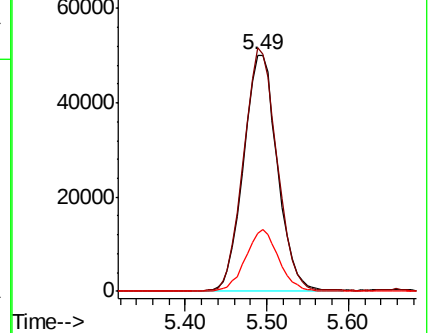
192 25.6 20.8 31.2



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: 19.855 ug/l

RT: 5.80 min Scan# 762

Delta R.T. 0.01 min

Lab File: VX011598.D

Acq: 16 Aug 2019 23:03

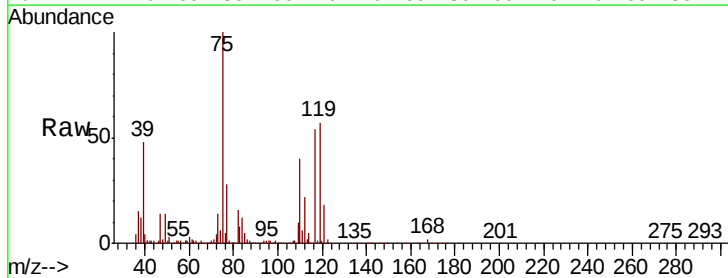
Tgt Ion: 75 Resp: 84672

Ion Ratio Lower Upper

75 100

110 39.9 19.4 58.1

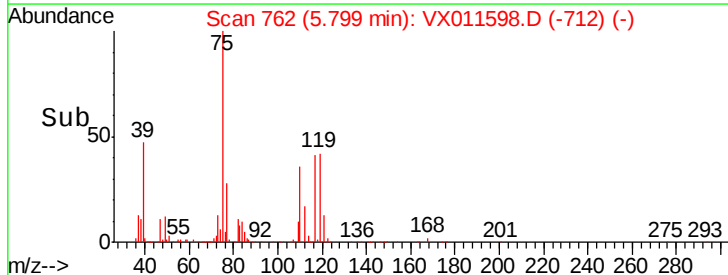
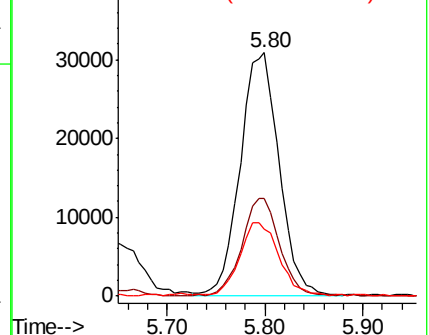
77 30.2 25.1 37.7

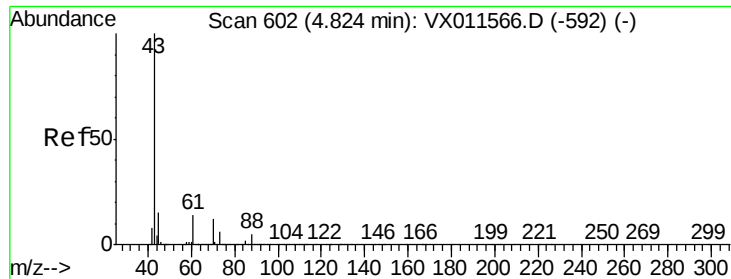


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

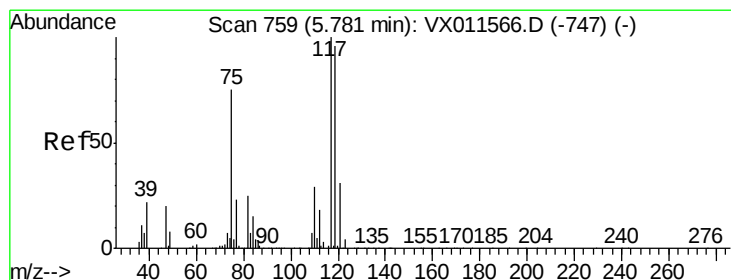
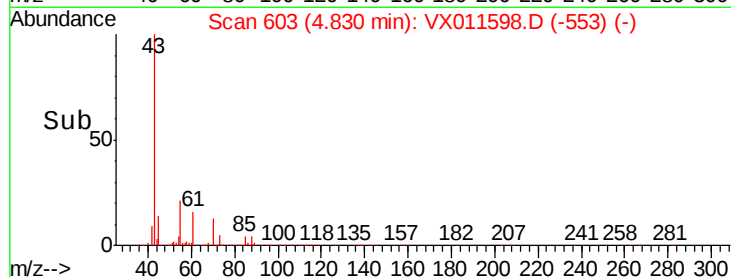
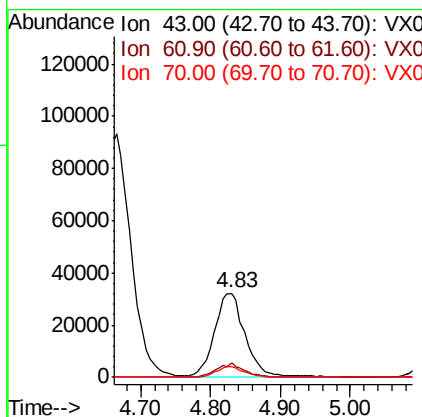
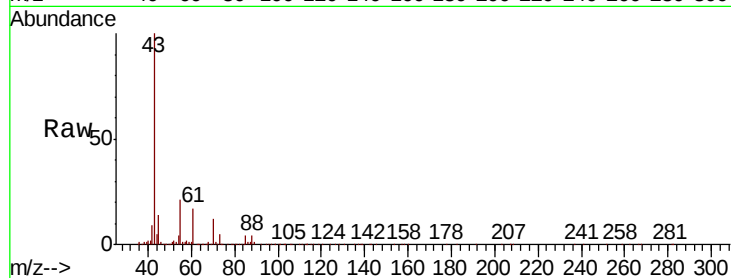




#37
Ethyl Acetate
Concen: 19.592 ug/l
RT: 4.83 min Scan# 603
Delta R.T. 0.01 min
Lab File: VX011598.D
Acq: 16 Aug 2019 23:03

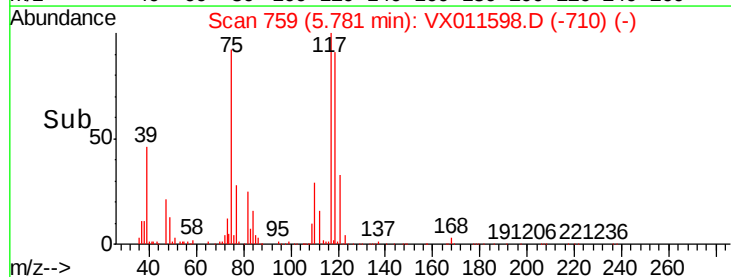
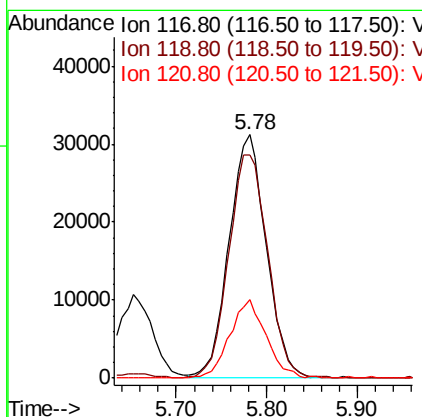
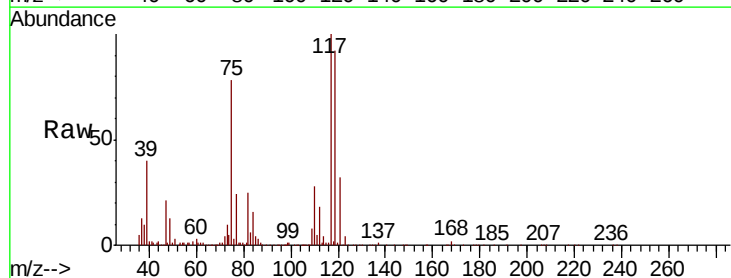
Instrument :
MSVOA_X
ClientSampleId :
VX0816WBS02

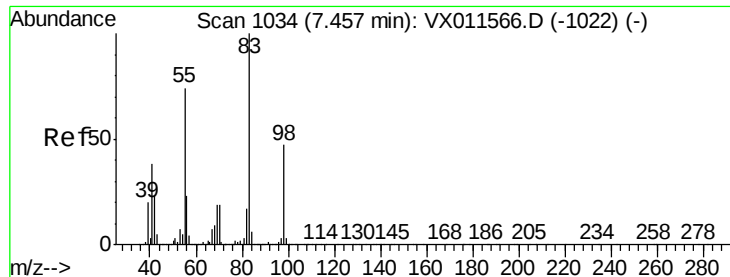
Tgt Ion: 43 Resp: 96102
Ion Ratio Lower Upper
43 100
61 14.4 11.4 17.0
70 11.4 9.0 13.6



#38
Carbon Tetrachloride
Concen: 18.877 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX011598.D
Acq: 16 Aug 2019 23:03

Tgt Ion: 117 Resp: 88693
Ion Ratio Lower Upper
117 100
119 92.0 76.9 115.3
121 32.1 24.8 37.2

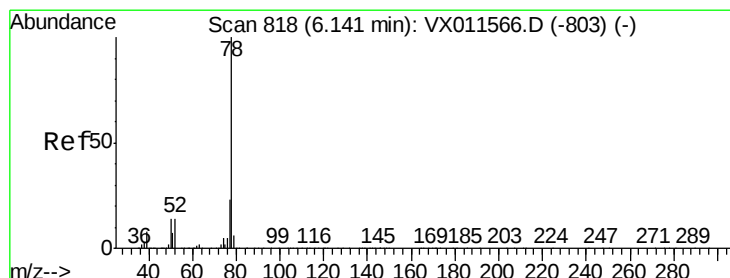
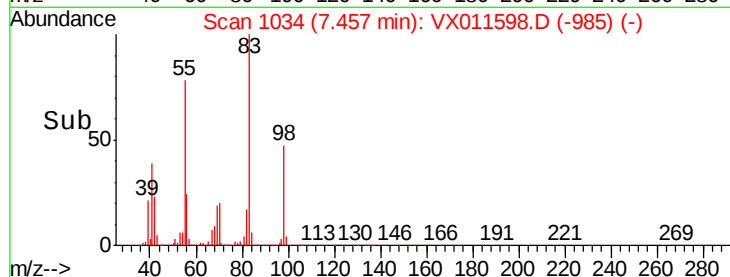
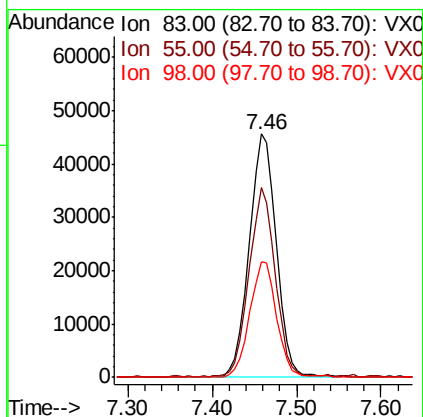
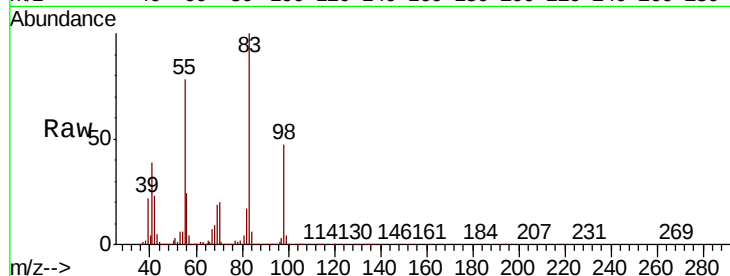




#39
Methylcyclohexane
Concen: 18.711 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX011598.D
Acq: 16 Aug 2019 23:03

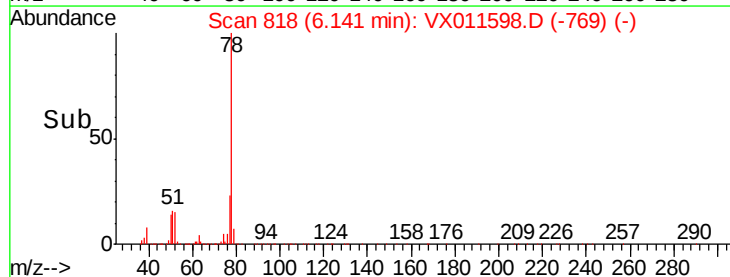
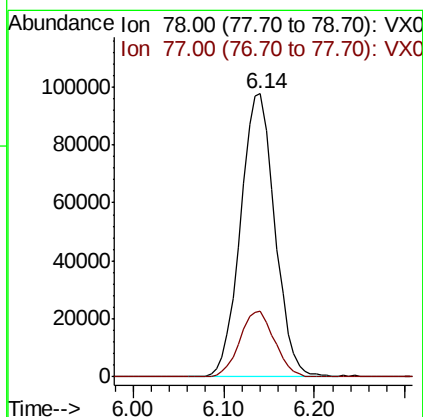
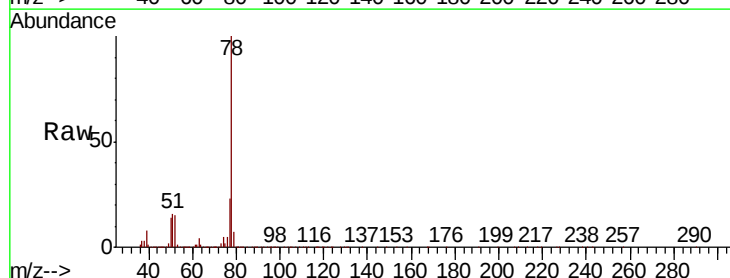
Instrument :
MSVOA_X
ClientSampleId :
VX0816WBS02

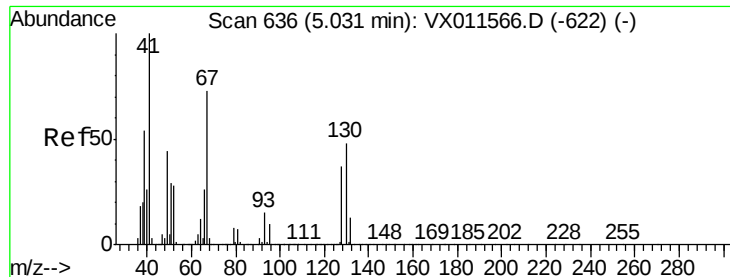
Tgt Ion: 83 Resp: 98542
Ion Ratio Lower Upper
83 100
55 77.7 58.8 88.2
98 47.3 37.8 56.6



#40
Benzene
Concen: 19.248 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX011598.D
Acq: 16 Aug 2019 23:03

Tgt Ion: 78 Resp: 255092
Ion Ratio Lower Upper
78 100
77 23.4 18.6 28.0





#41

Methacrylonitrile

Concen: 20.136 ug/l

RT: 5.04 min Scan# 637

Delta R.T. 0.01 min

Lab File: VX011598.D

Acq: 16 Aug 2019 23:03

Instrument :

MSVOA_X

ClientSampleId :

VX0816WBS02

Tgt Ion: 41 Resp: 54359

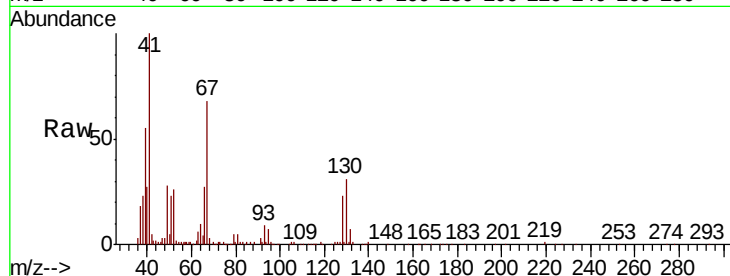
Ion Ratio Lower Upper

41 100

39 54.5 43.5 65.3

67 74.1 59.4 89.2

52 29.0 23.4 35.2

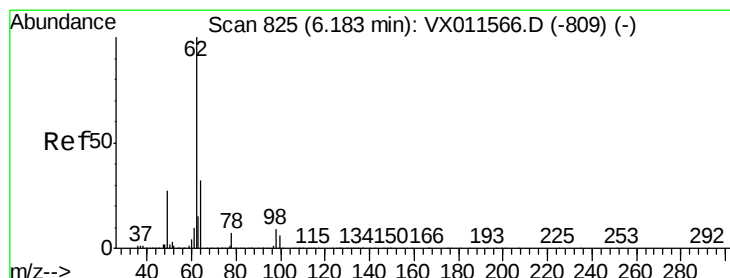
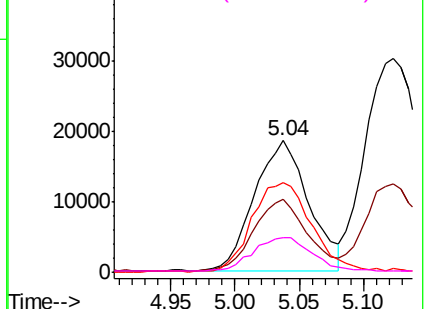
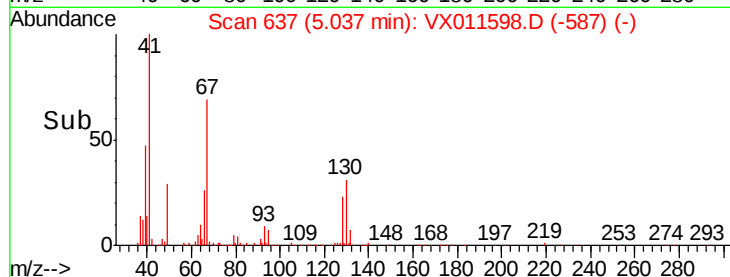


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 20.299 ug/l

RT: 6.19 min Scan# 826

Delta R.T. 0.01 min

Lab File: VX011598.D

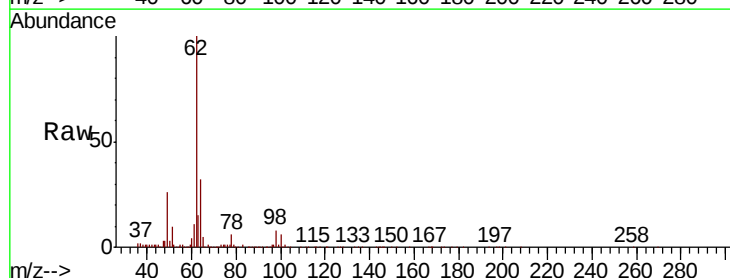
Acq: 16 Aug 2019 23:03

Tgt Ion: 62 Resp: 93202

Ion Ratio Lower Upper

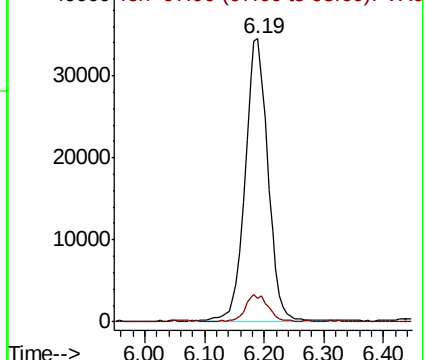
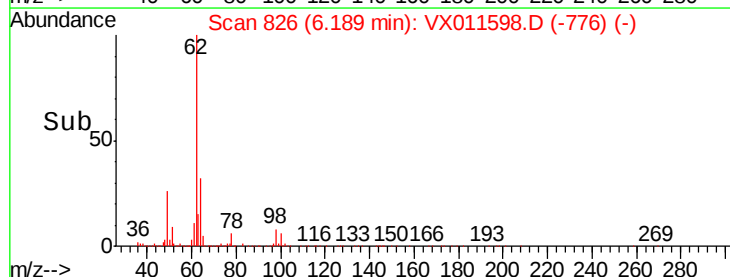
62 100

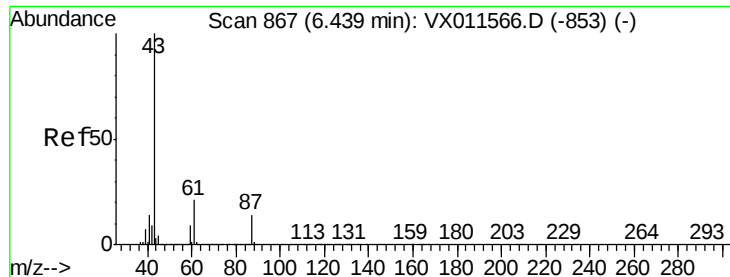
98 9.7 0.0 19.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 19.522 ug/l

RT: 6.44 min Scan# 867

Delta R.T. 0.00 min

Lab File: VX011598.D

Acq: 16 Aug 2019 23:03

Instrument :

MSVOA_X

ClientSampleId :

VX0816WBS02

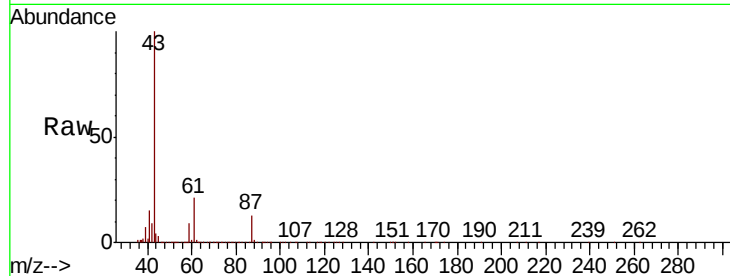
Tgt Ion: 43 Resp: 149437

Ion Ratio Lower Upper

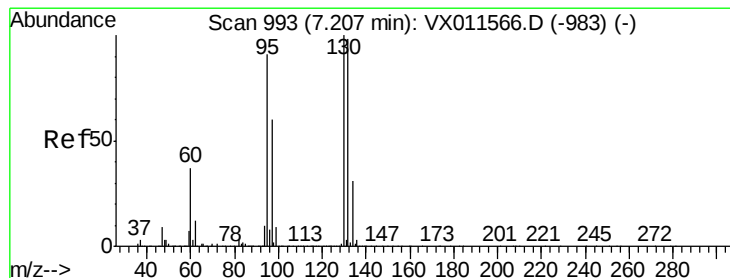
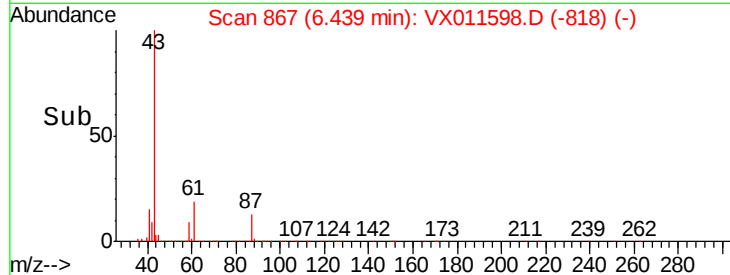
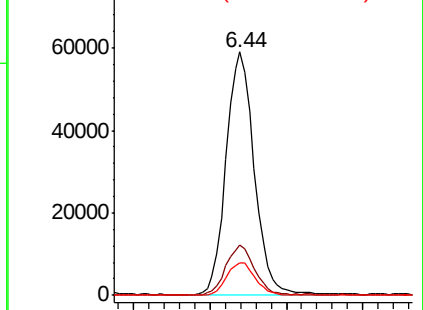
43 100

61 20.4 16.6 24.8

87 13.9 11.4 17.2



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: 19.346 ug/l

RT: 7.21 min Scan# 993

Delta R.T. 0.00 min

Lab File: VX011598.D

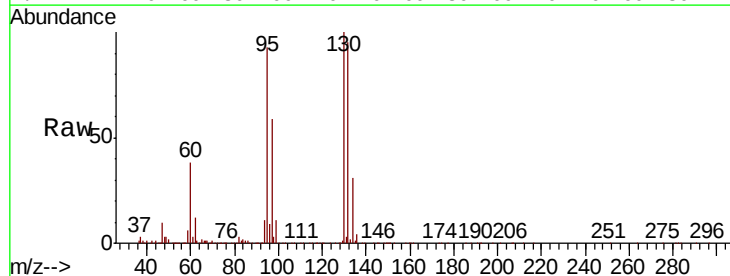
Acq: 16 Aug 2019 23:03

Tgt Ion: 130 Resp: 76057

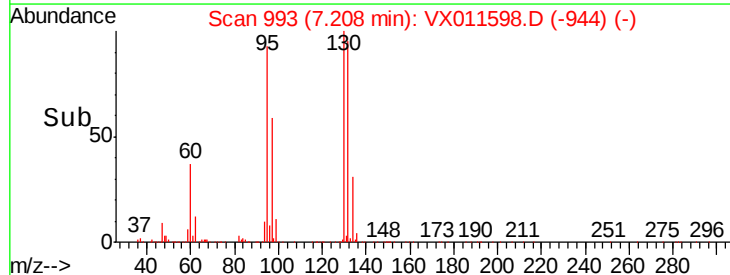
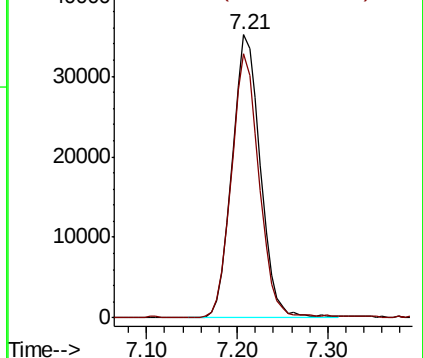
Ion Ratio Lower Upper

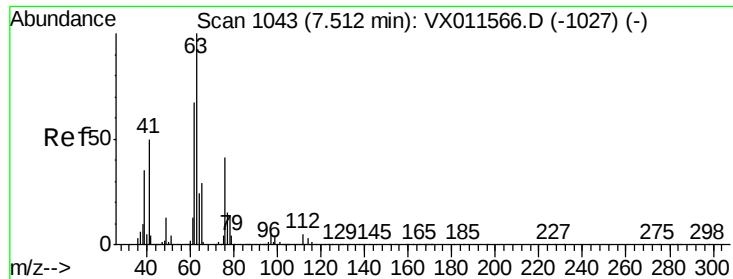
130 100

95 93.1 0.0 181.4



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

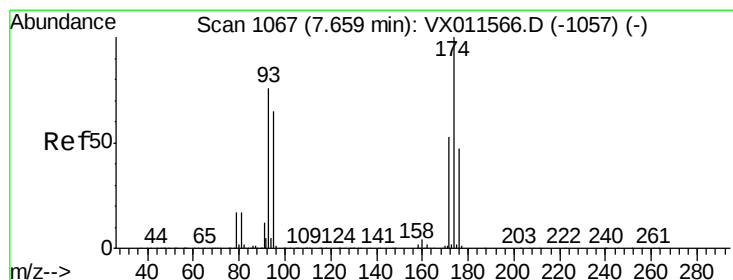
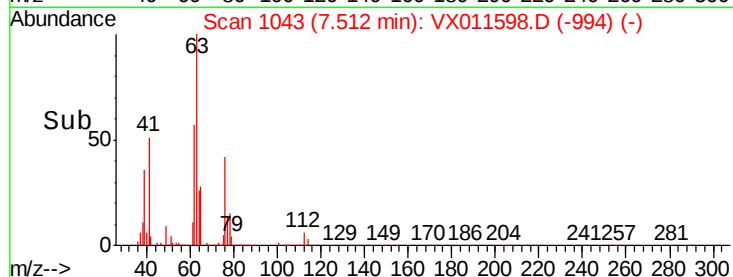
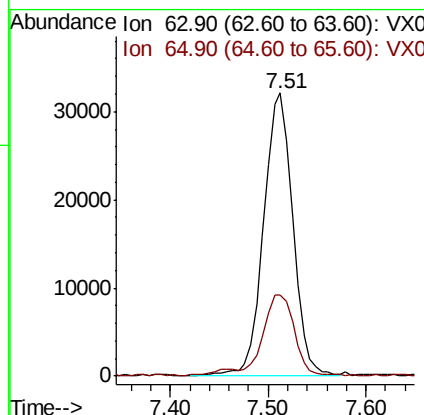
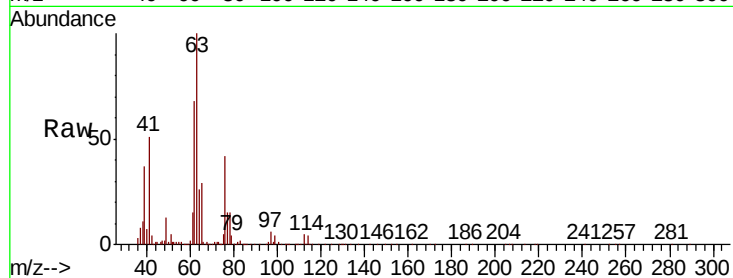




#45
 1,2-Dichloropropane
 Concen: 20.270 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX011598.D
 Acq: 16 Aug 2019 23:03

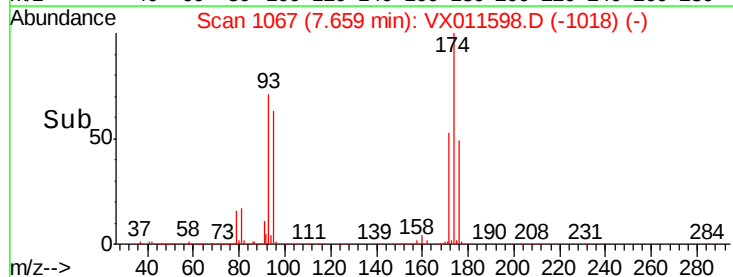
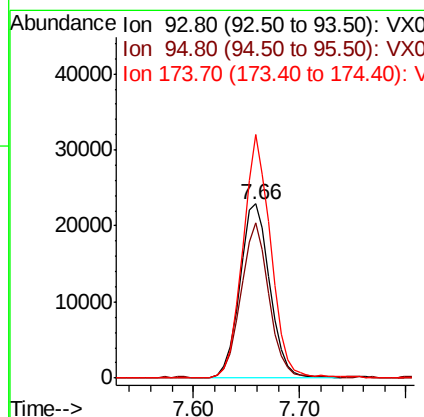
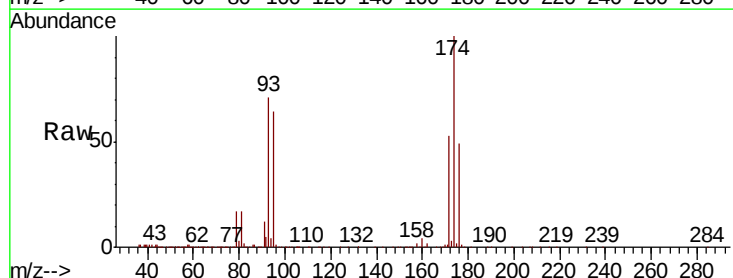
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0816WBS02

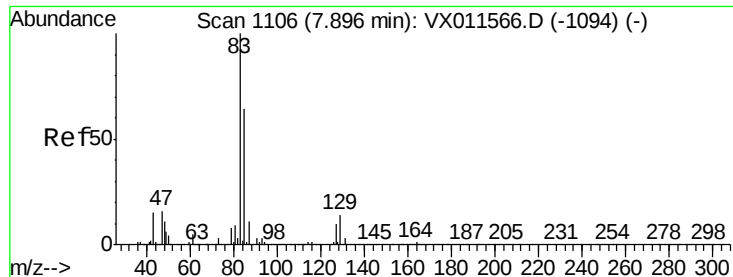
Tgt Ion: 63 Resp: 66995
 Ion Ratio Lower Upper
 63 100
 65 28.4 23.4 35.2



#46
 Dibromomethane
 Concen: 18.964 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX011598.D
 Acq: 16 Aug 2019 23:03

Tgt Ion: 93 Resp: 45547
 Ion Ratio Lower Upper
 93 100
 95 83.6 67.2 100.8
 174 130.3 105.5 158.3





#47

Bromodichloromethane

Concen: 19.062 ug/l

RT: 7.89 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VX011598.D

Acq: 16 Aug 2019 23:03

Instrument :

MSVOA_X

ClientSampleId :

VX0816WBS02

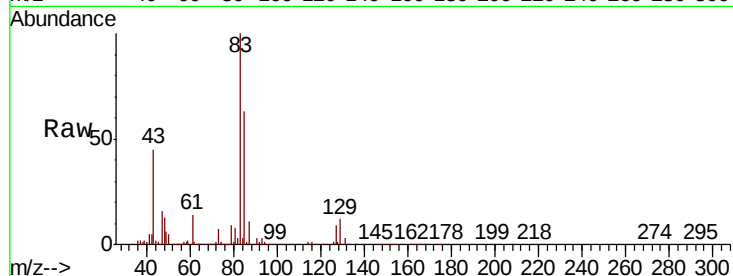
Tgt Ion: 83 Resp: 84061

Ion Ratio Lower Upper

83 100

85 62.8 51.2 76.8

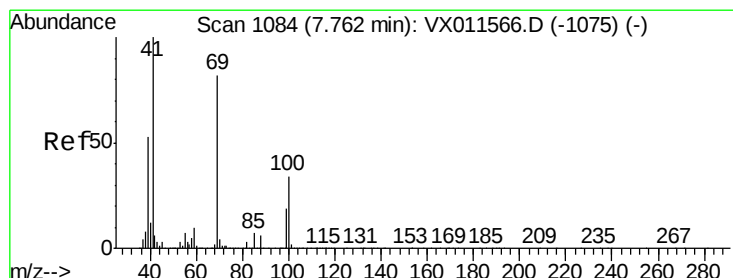
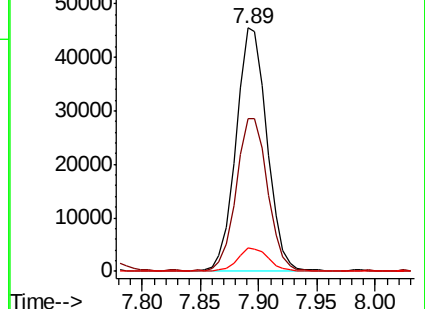
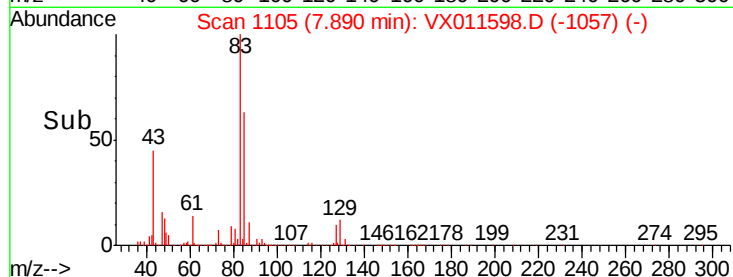
127 9.5 8.1 12.1



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 20.006 ug/l

RT: 7.76 min Scan# 1084

Delta R.T. 0.00 min

Lab File: VX011598.D

Acq: 16 Aug 2019 23:03

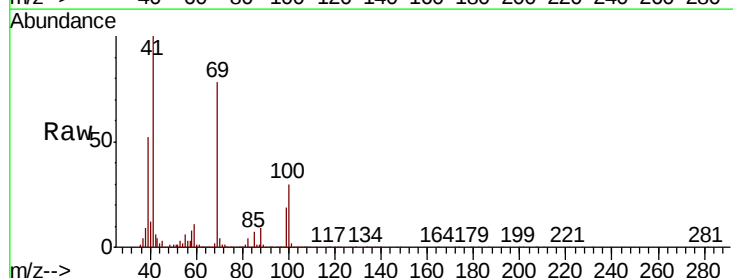
Tgt Ion: 41 Resp: 75838

Ion Ratio Lower Upper

41 100

69 84.9 67.9 101.9

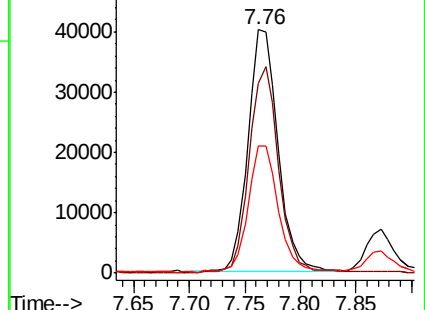
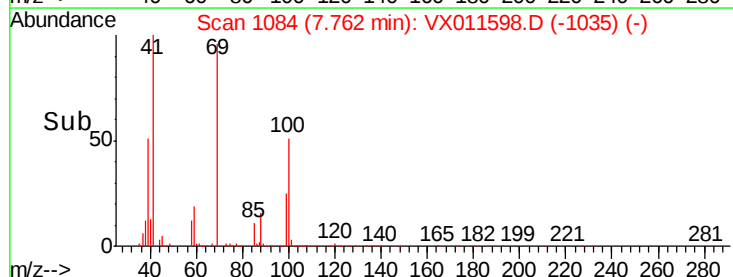
39 53.8 41.6 62.4

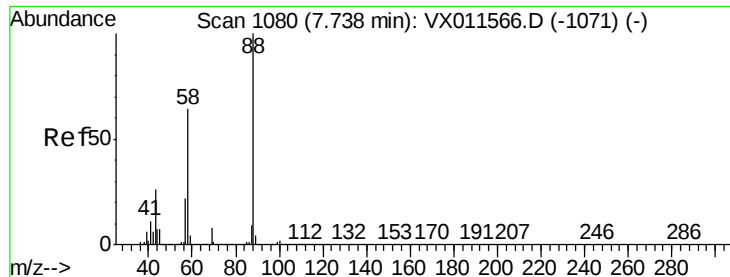


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 384.378 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. 0.00 min

Lab File: VX011598.D

Acq: 16 Aug 2019 23:03

Instrument :

MSVOA_X

ClientSampleId :

VX0816WBS02

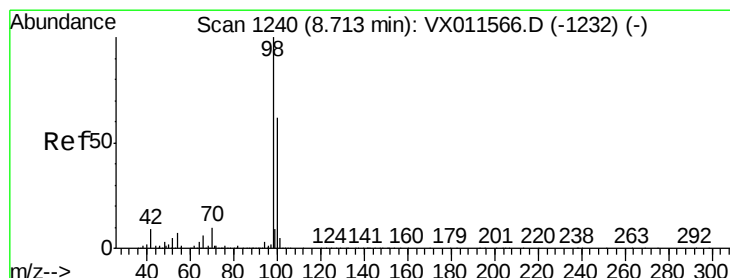
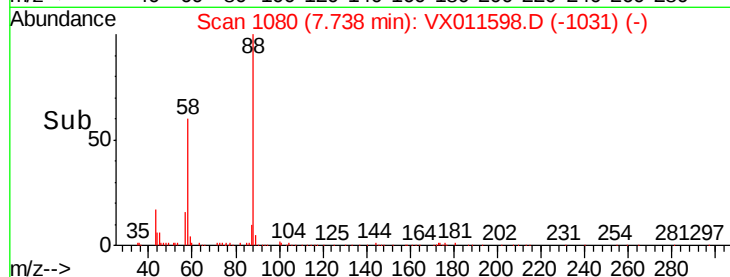
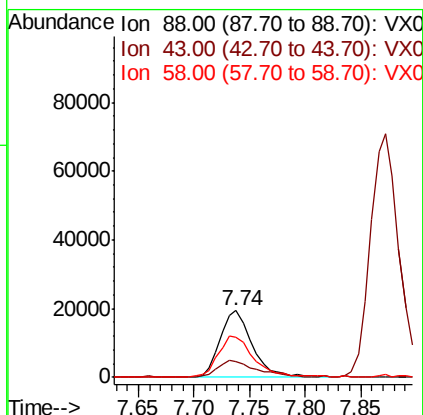
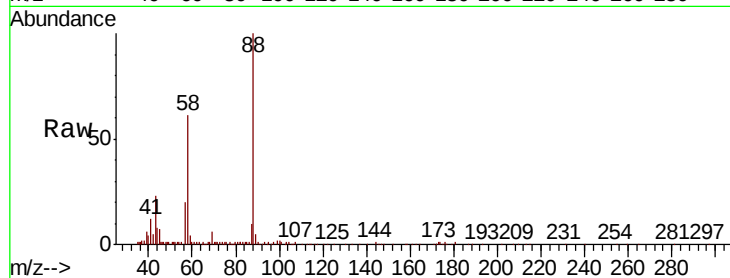
Tgt Ion: 88 Resp: 38756

Ion Ratio Lower Upper

88 100

43 28.5 23.4 35.0

58 67.8 54.3 81.5



#50

Toluene-d8

Concen: 45.992 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX011598.D

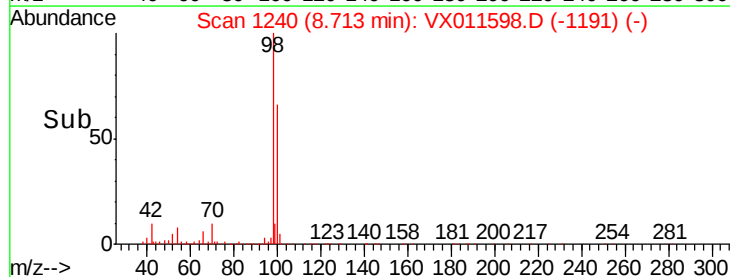
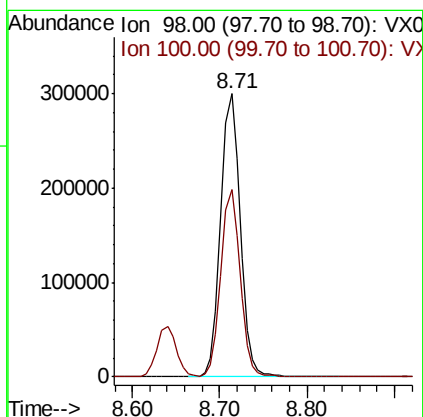
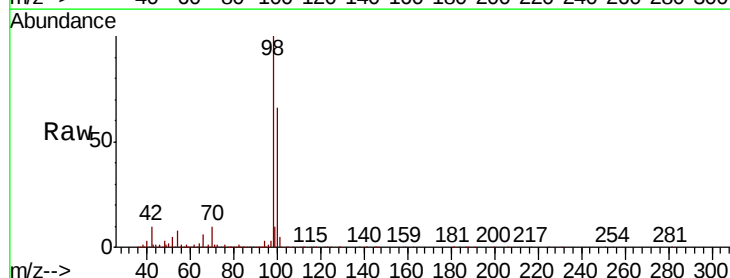
Acq: 16 Aug 2019 23:03

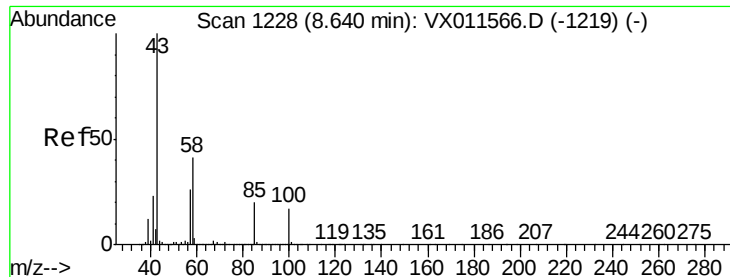
Tgt Ion: 98 Resp: 467520

Ion Ratio Lower Upper

98 100

100 65.0 52.4 78.6

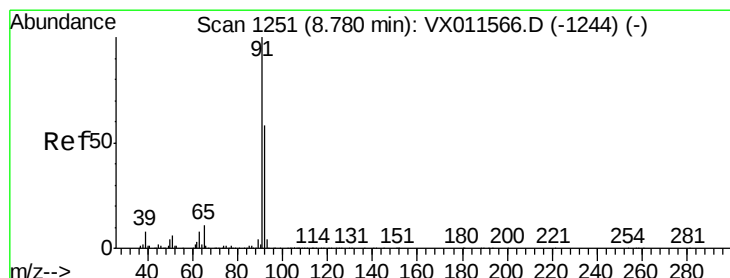
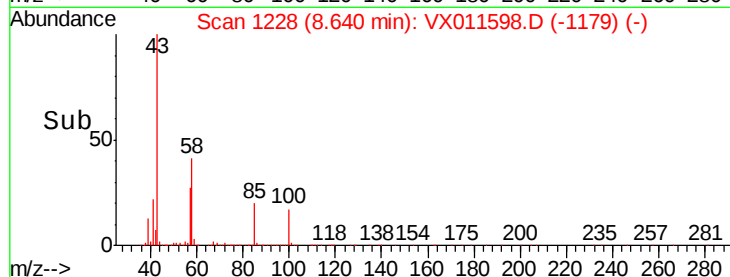
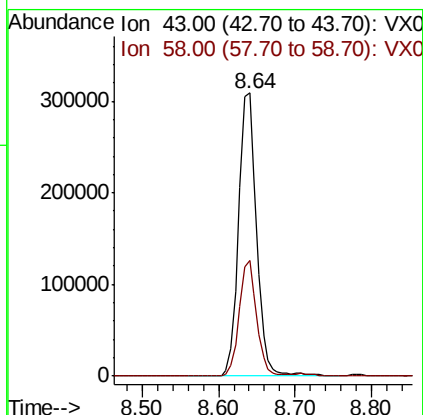
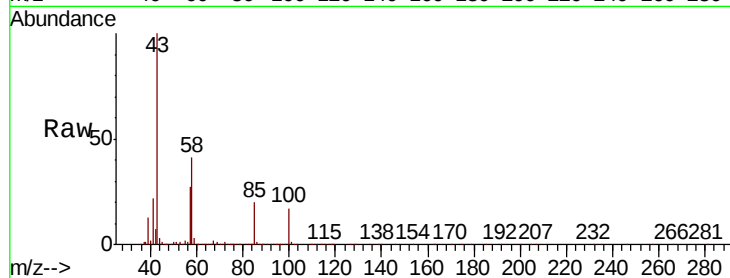




#51
4-Methyl-2-Pentanone
Concen: 100.505 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX011598.D
Acq: 16 Aug 2019 23:03

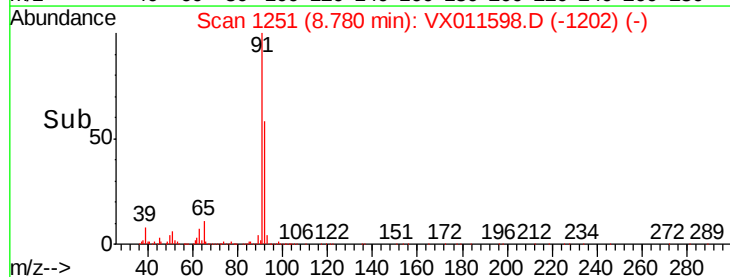
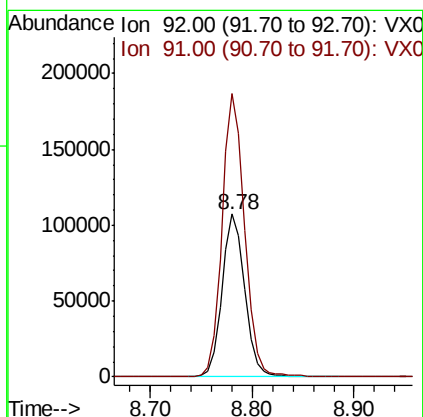
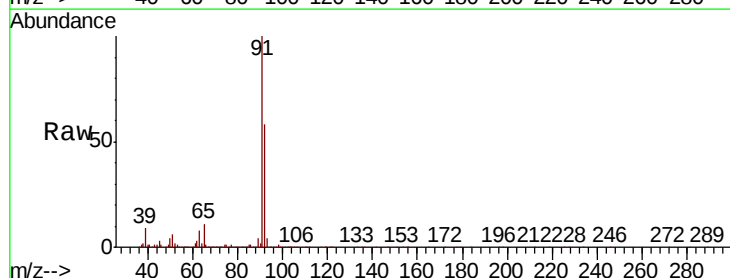
Instrument :
MSVOA_X
ClientSampleId :
VX0816WBS02

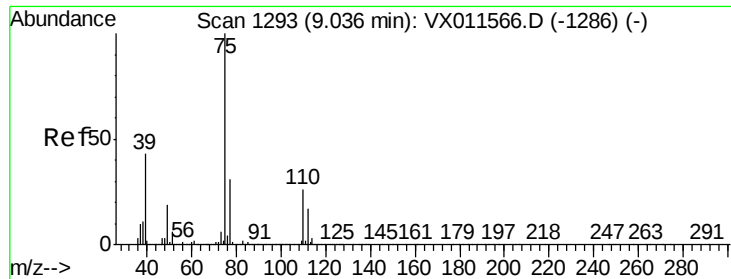
Tgt Ion: 43 Resp: 503579
Ion Ratio Lower Upper
43 100
58 39.2 31.8 47.6



#52
Toluene
Concen: 19.539 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VX011598.D
Acq: 16 Aug 2019 23:03

Tgt Ion: 92 Resp: 164967
Ion Ratio Lower Upper
92 100
91 173.5 138.0 207.0





#53

t-1,3-Dichloropropene

Concen: 18.684 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VX011598.D

Acq: 16 Aug 2019 23:03

Instrument :

MSVOA_X

ClientSampleId :

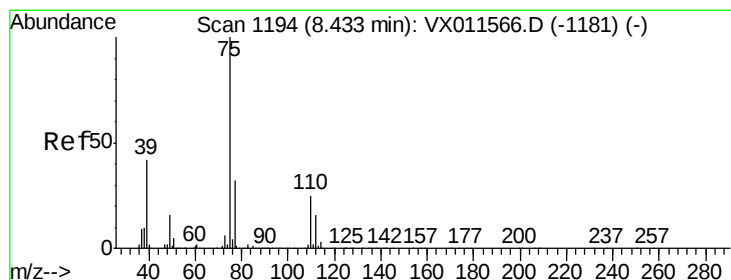
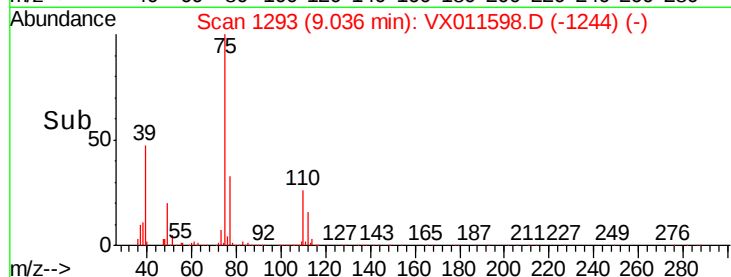
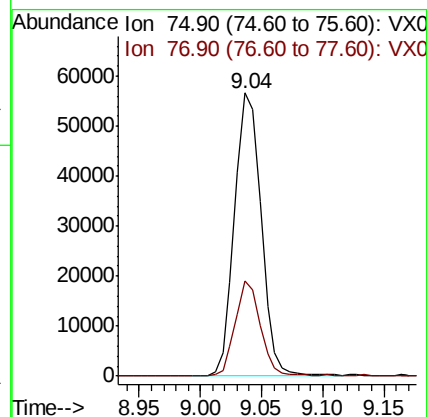
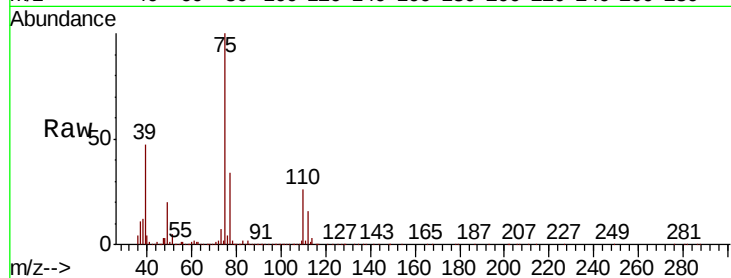
VX0816WBS02

Tgt Ion: 75 Resp: 85513

Ion Ratio Lower Upper

75 100

77 33.4 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 18.914 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX011598.D

Acq: 16 Aug 2019 23:03

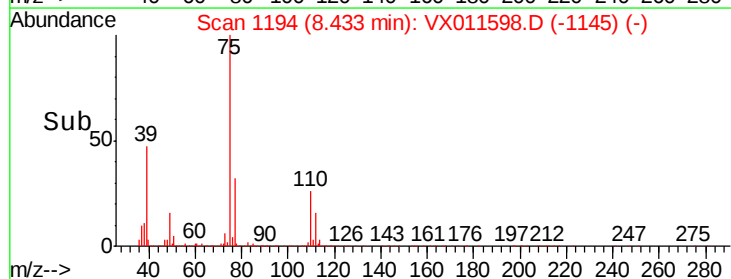
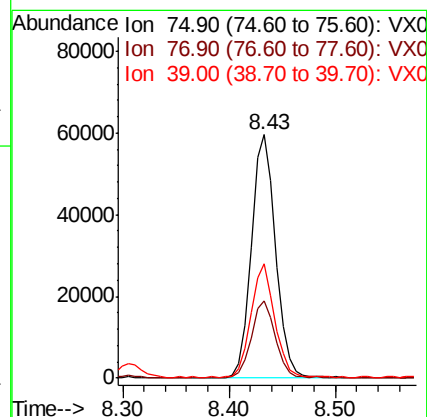
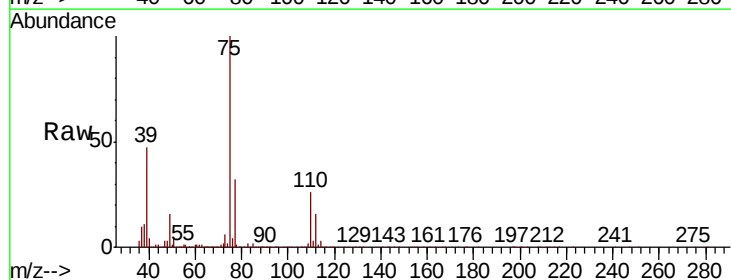
Tgt Ion: 75 Resp: 94733

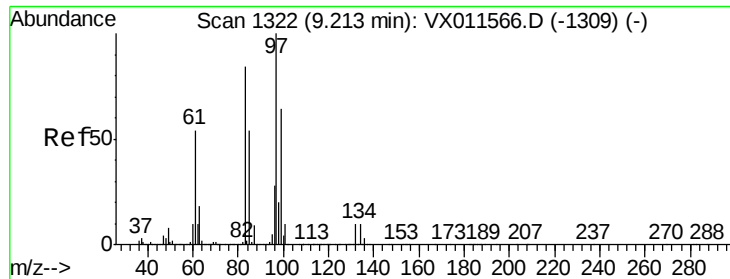
Ion Ratio Lower Upper

75 100

77 31.4 25.5 38.3

39 46.4 33.6 50.4

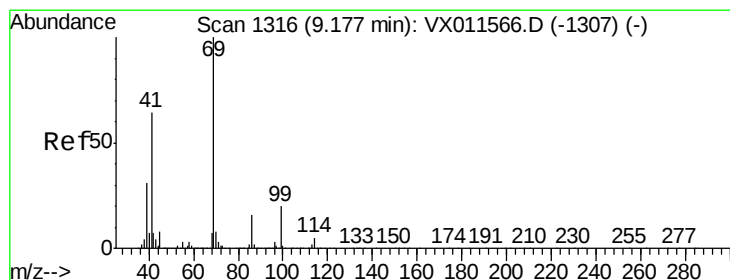
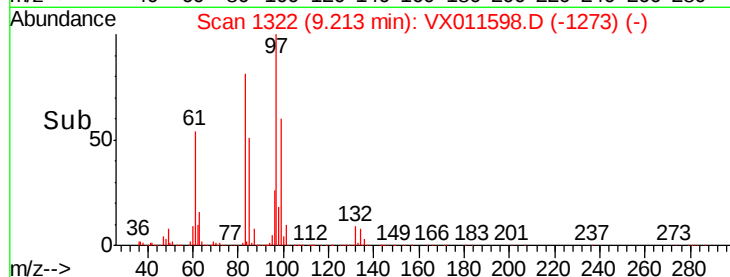
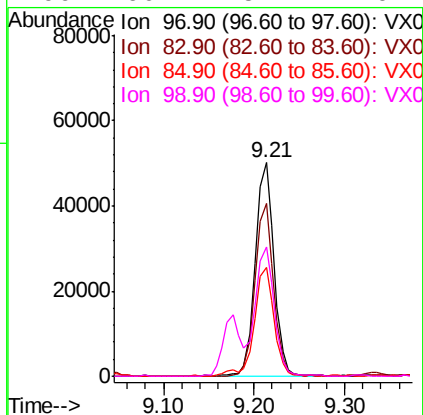
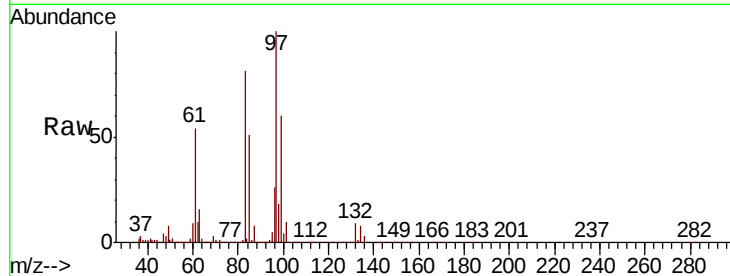




#55
 1,1,2-Trichloroethane
 Concen: 20.071 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX011598.D
 Acq: 16 Aug 2019 23:03

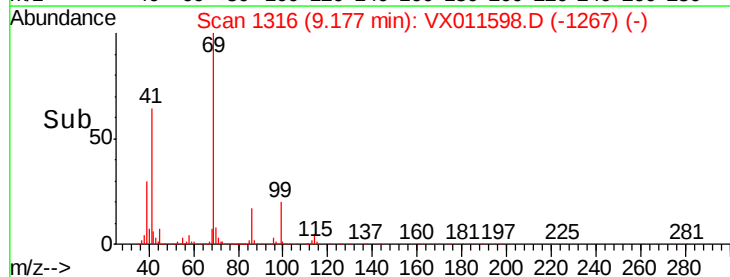
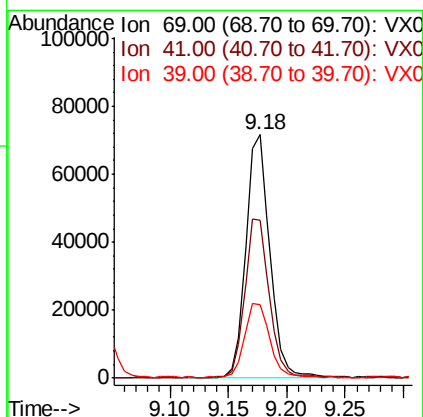
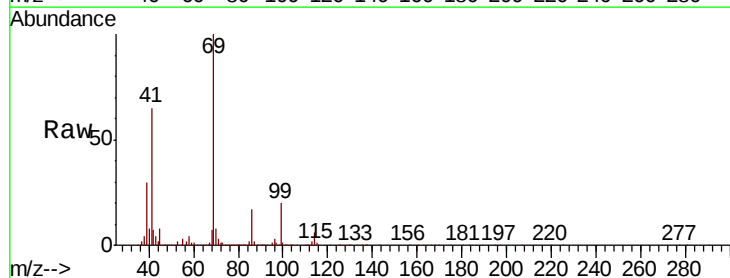
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0816WBS02

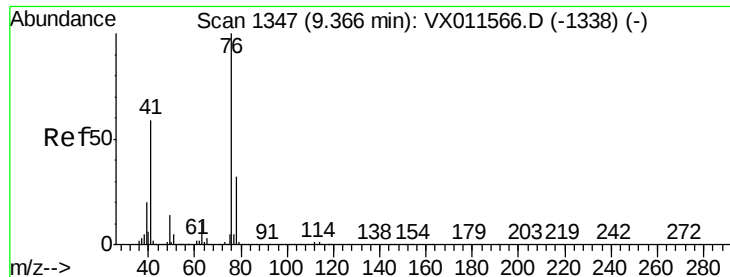
Tgt Ion:	97	Resp:	72065
Ion	Ratio	Lower	Upper
97	100		
83	80.8	67.4	101.0
85	51.1	43.4	65.2
99	60.4	51.1	76.7



#56
 Ethyl methacrylate
 Concen: 19.840 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX011598.D
 Acq: 16 Aug 2019 23:03

Tgt Ion:	69	Resp:	103536
Ion	Ratio	Lower	Upper
69	100		
41	66.1	52.1	78.1
39	31.8	25.4	38.0





#57

1,3-Dichloropropane

Concen: 19.504 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. 0.00 min

Lab File: VX011598.D

Acq: 16 Aug 2019 23:03

Instrument :

MSVOA_X

ClientSampleId :

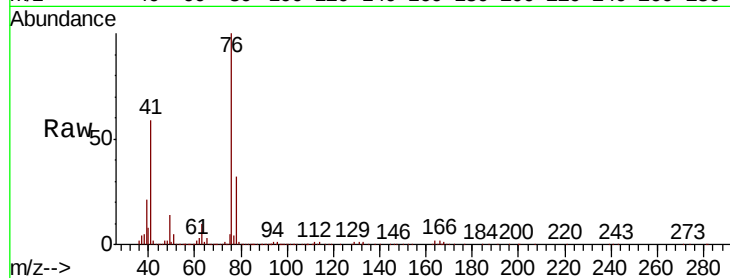
VX0816WBS02

Tgt Ion: 76 Resp: 111317

Ion Ratio Lower Upper

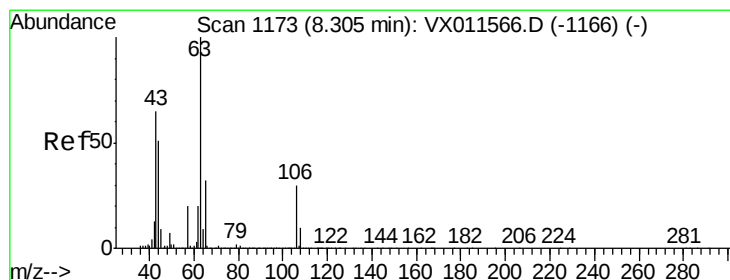
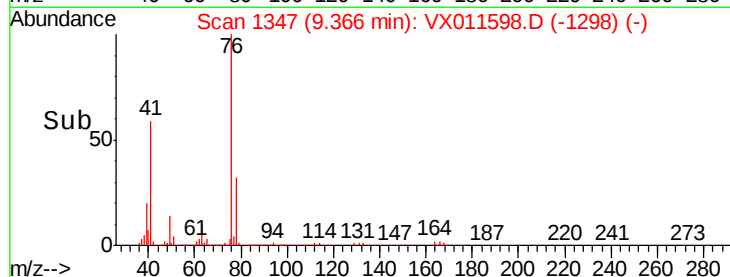
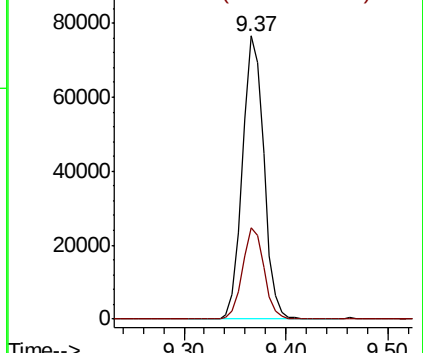
76 100

78 32.1 26.2 39.4



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 102.444 ug/l

RT: 8.30 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VX011598.D

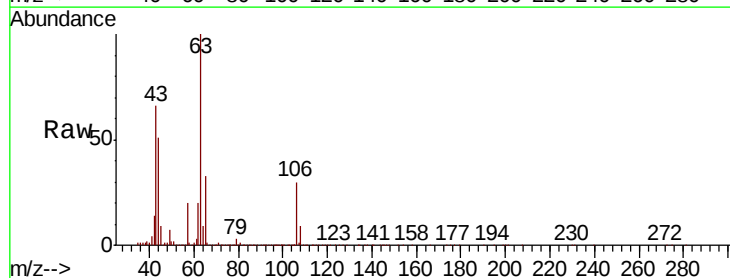
Acq: 16 Aug 2019 23:03

Tgt Ion: 63 Resp: 266371

Ion Ratio Lower Upper

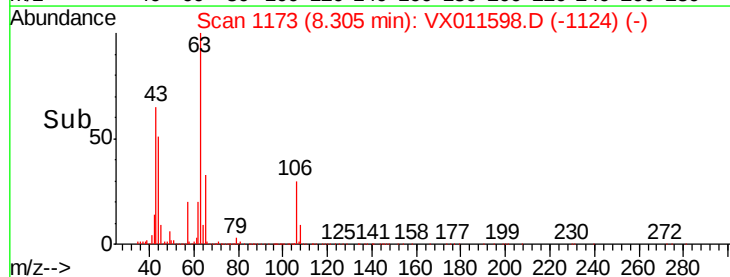
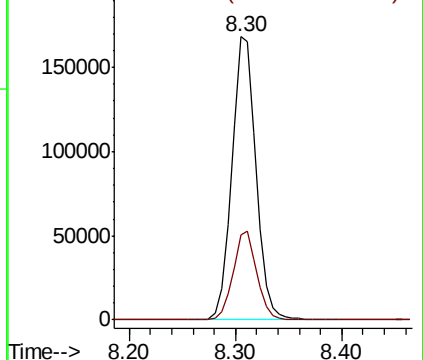
63 100

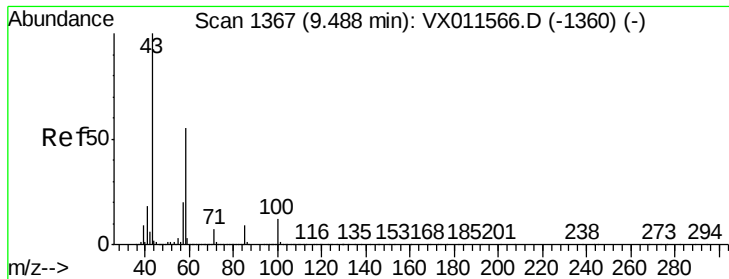
106 30.9 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

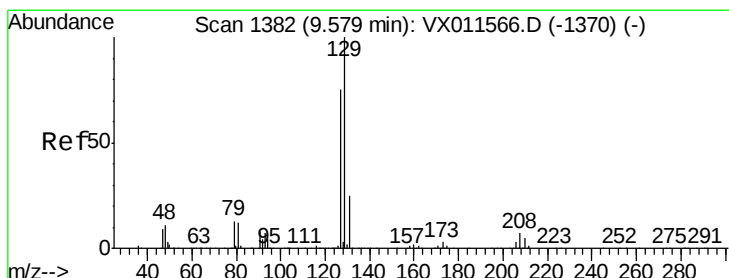
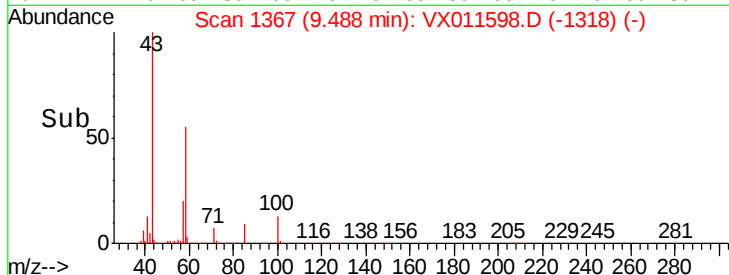
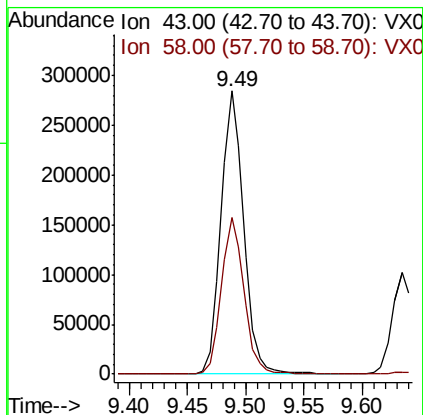
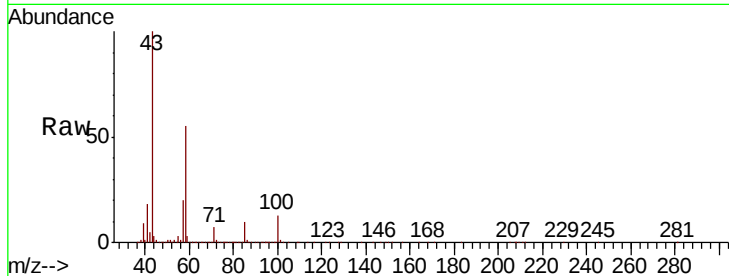




#59
2-Hexanone
Concen: 98.718 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX011598.D
Acq: 16 Aug 2019 23:03

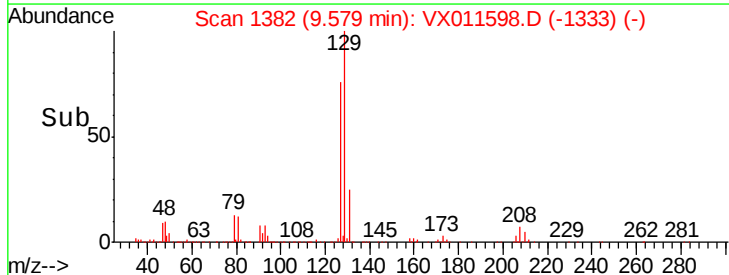
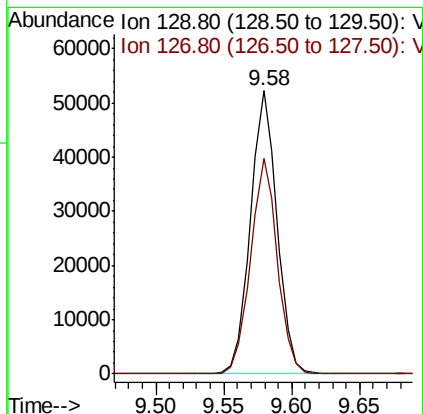
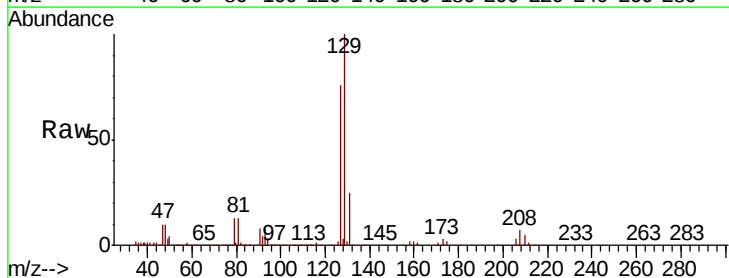
Instrument :
MSVOA_X
ClientSampleId :
VX0816WBS02

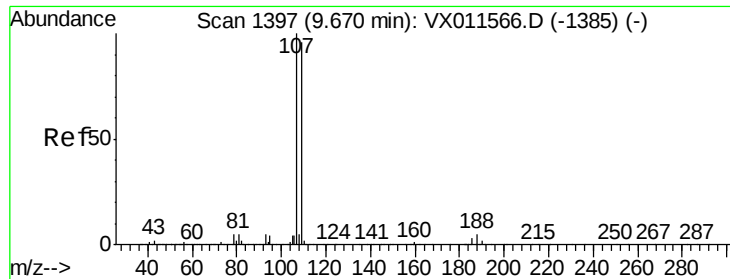
Tgt Ion: 43 Resp: 381434
Ion Ratio Lower Upper
43 100
58 55.2 27.5 82.4



#60
Dibromochloromethane
Concen: 19.214 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011598.D
Acq: 16 Aug 2019 23:03

Tgt Ion: 129 Resp: 71877
Ion Ratio Lower Upper
129 100
127 76.7 38.0 114.1





#61

1,2-Dibromoethane

Concen: 19.573 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX011598.D

Acq: 16 Aug 2019 23:03

Instrument :

MSVOA_X

ClientSampleId :

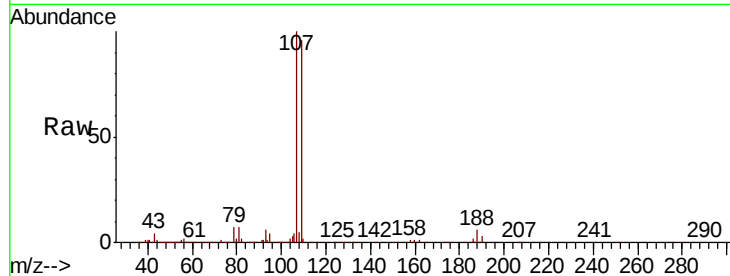
VX0816WBS02

Tgt Ion: 107 Resp: 75001

Ion Ratio Lower Upper

107 100

109 94.1 76.2 114.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

60000

50000

40000

30000

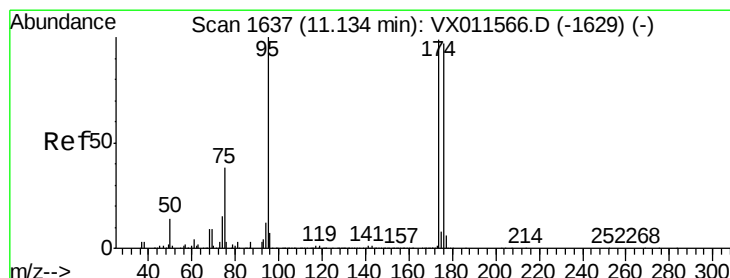
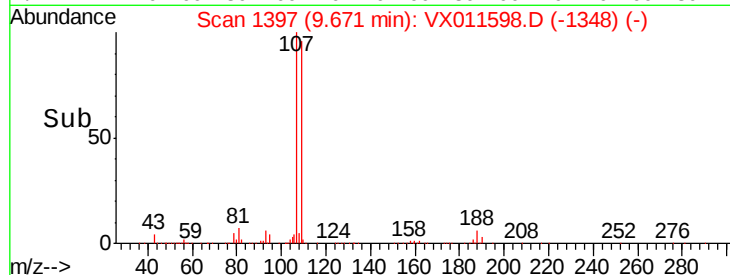
20000

10000

0

Time-->

9.60 9.65 9.70 9.75



#62

4-Bromofluorobenzene

Concen: 45.662 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011598.D

Acq: 16 Aug 2019 23:03

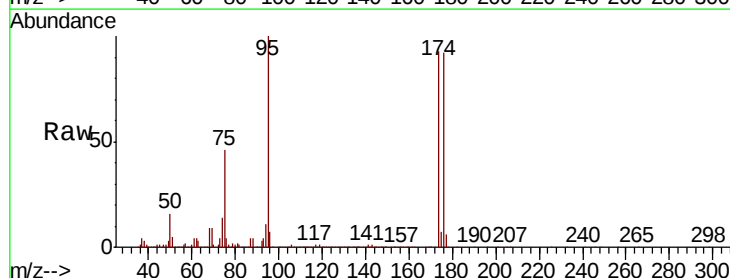
Tgt Ion: 95 Resp: 195916

Ion Ratio Lower Upper

95 100

174 98.5 0.0 200.6

176 94.9 0.0 196.6



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

200000

150000

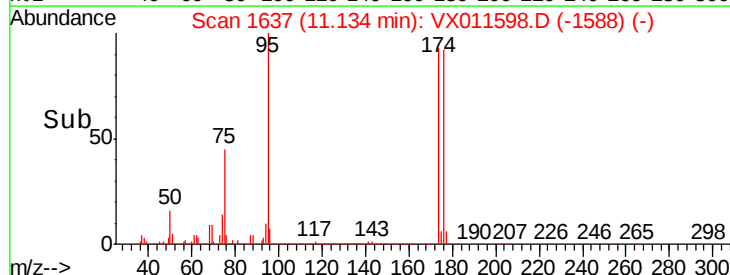
100000

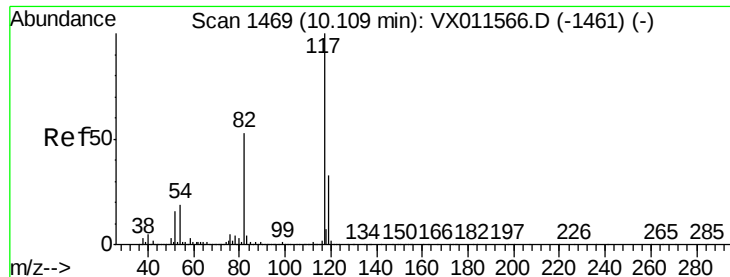
50000

0

Time-->

11.10 11.13 11.20

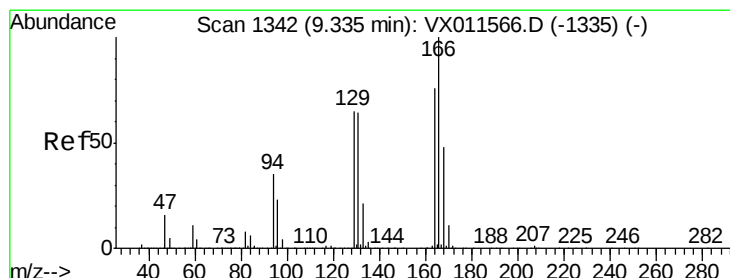
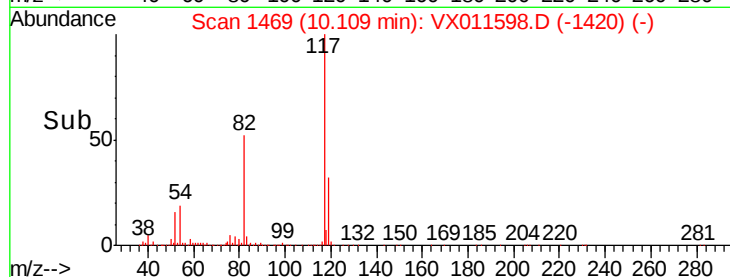
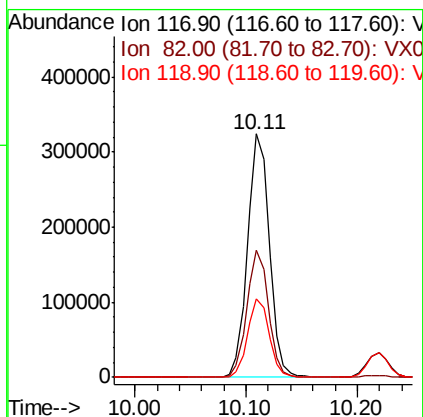
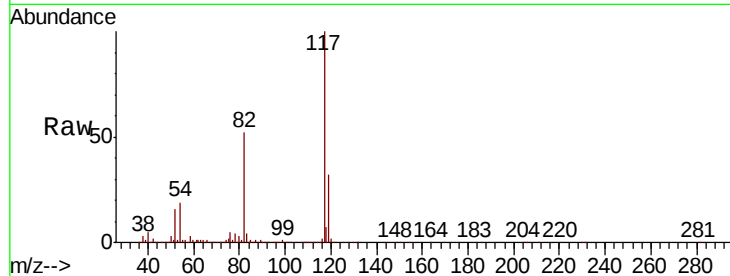




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011598.D
Acq: 16 Aug 2019 23:03

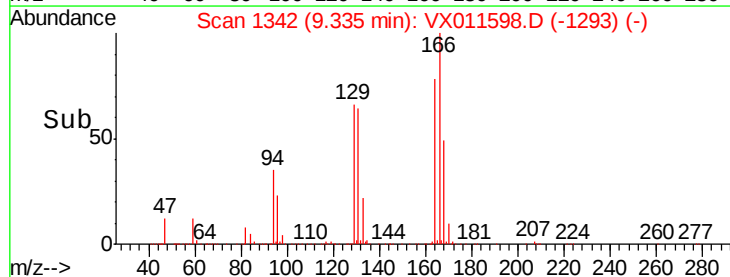
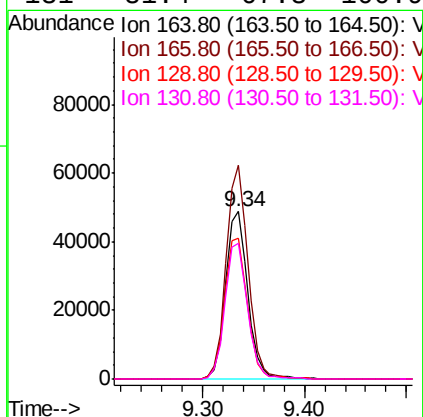
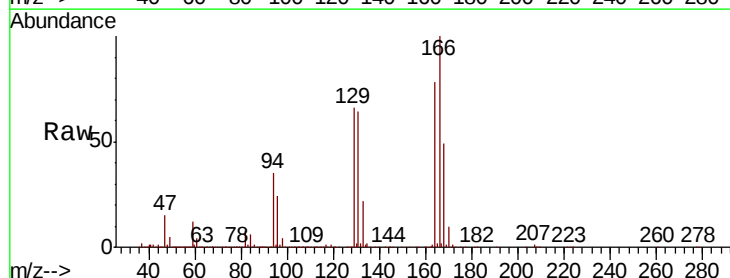
Instrument :
MSVOA_X
ClientSampleId :
VX0816WBS02

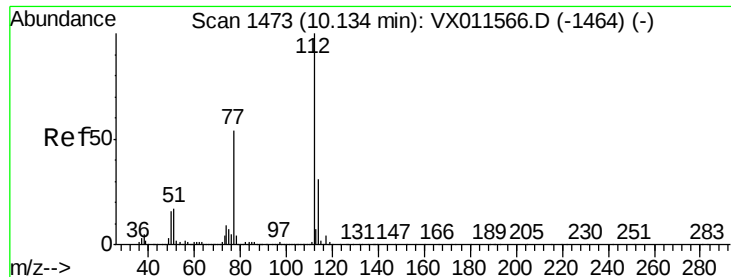
Tgt Ion:117 Resp: 442028
Ion Ratio Lower Upper
117 100
82 52.4 42.0 63.0
119 32.0 26.5 39.7



#64
Tetrachloroethene
Concen: 20.212 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX011598.D
Acq: 16 Aug 2019 23:03

Tgt Ion:164 Resp: 73303
Ion Ratio Lower Upper
164 100
166 127.6 104.7 157.1
129 84.1 68.2 102.4
131 81.4 67.3 100.9

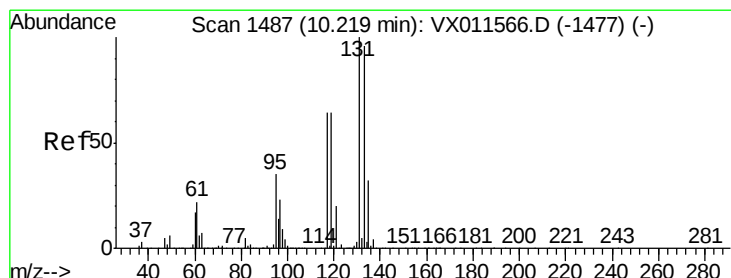
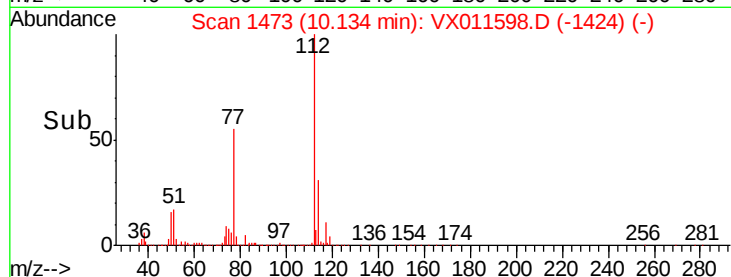
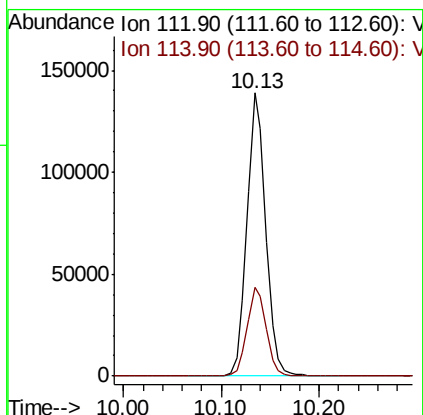
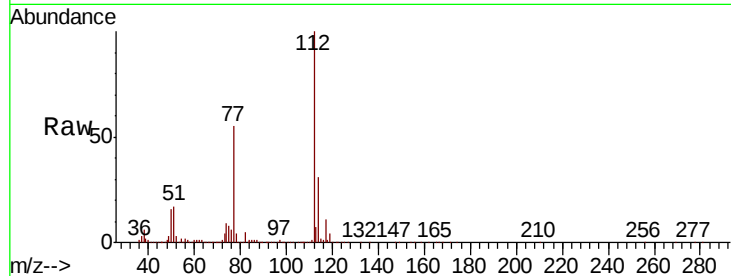




#65
Chlorobenzene
Concen: 19.584 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX011598.D
Acq: 16 Aug 2019 23:03

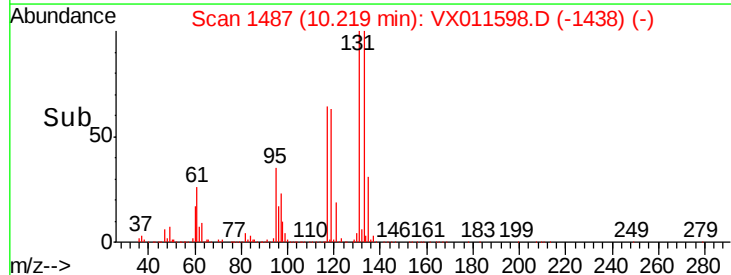
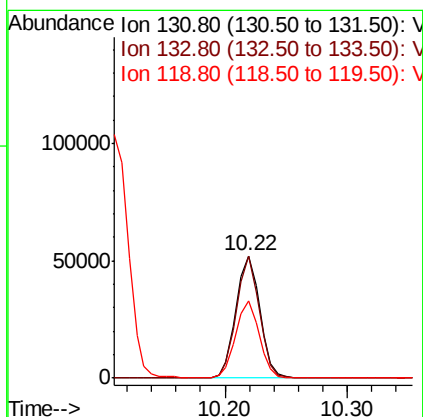
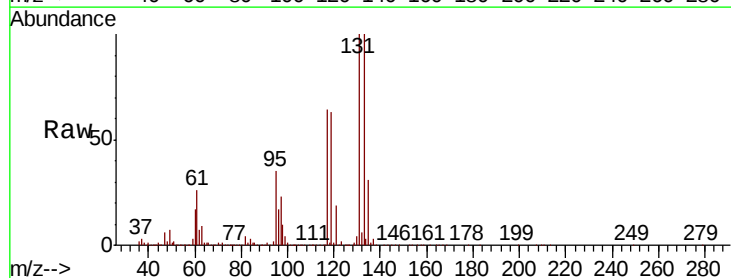
Instrument :
MSVOA_X
ClientSampleId :
VX0816WBS02

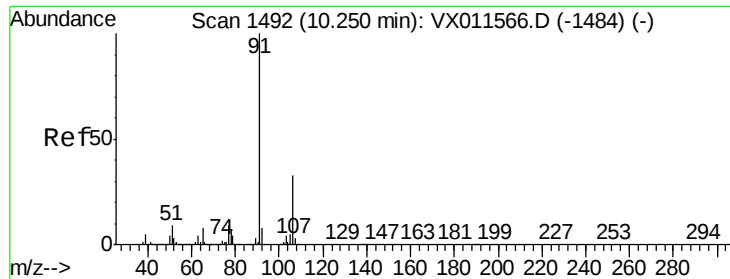
Tgt Ion:112 Resp: 184634
Ion Ratio Lower Upper
112 100
114 31.4 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 20.023 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX011598.D
Acq: 16 Aug 2019 23:03

Tgt Ion:131 Resp: 70560
Ion Ratio Lower Upper
131 100
133 95.4 48.1 144.4
119 62.0 31.3 93.8

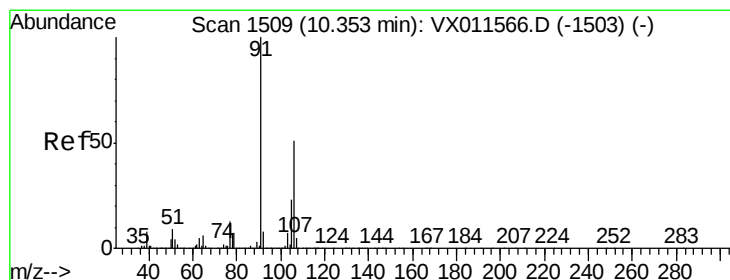
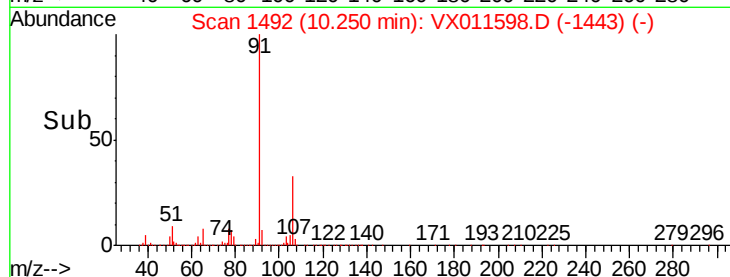
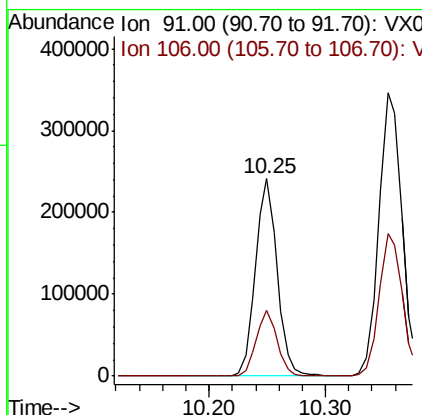
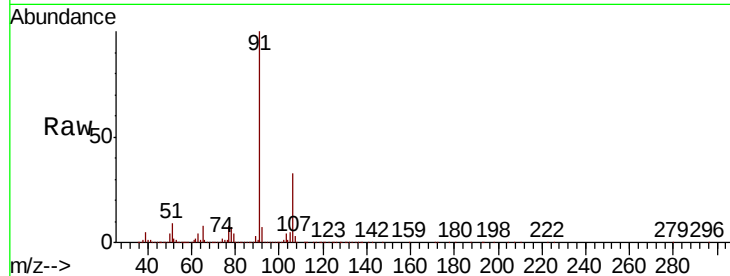




#67
Ethyl Benzene
Concen: 19.984 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX011598.D
Acq: 16 Aug 2019 23:03

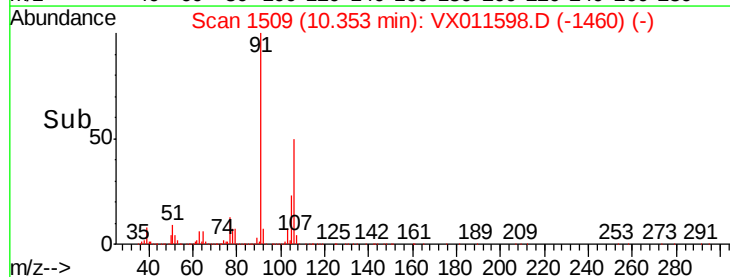
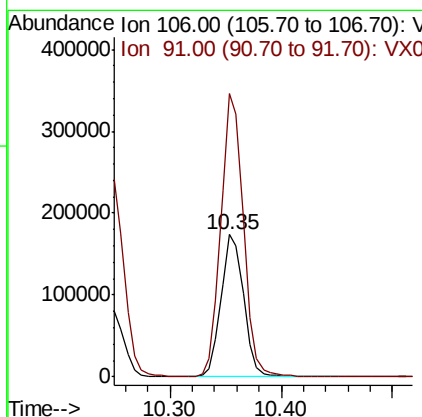
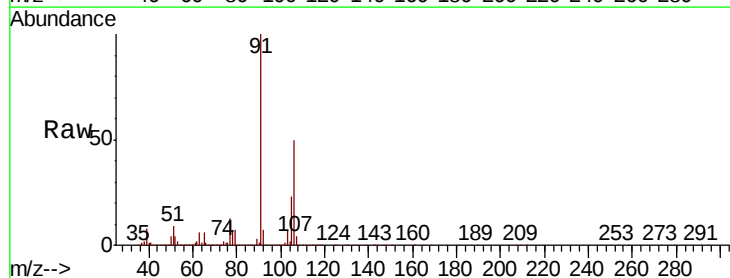
Instrument :
MSVOA_X
ClientSampleId :
VX0816WBS02

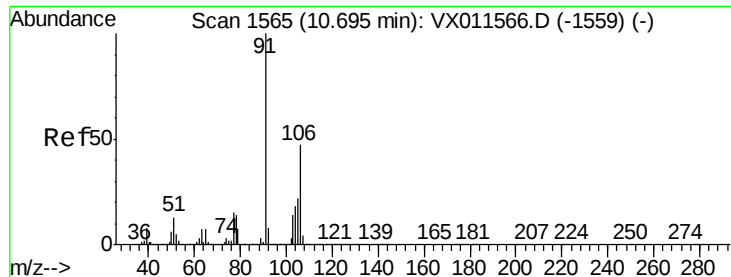
Tgt Ion: 91 Resp: 314445
Ion Ratio Lower Upper
91 100
106 33.1 26.0 39.0



#68
m/p-Xylenes
Concen: 40.495 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. 0.00 min
Lab File: VX011598.D
Acq: 16 Aug 2019 23:03

Tgt Ion: 106 Resp: 244581
Ion Ratio Lower Upper
106 100
91 197.6 156.0 234.0

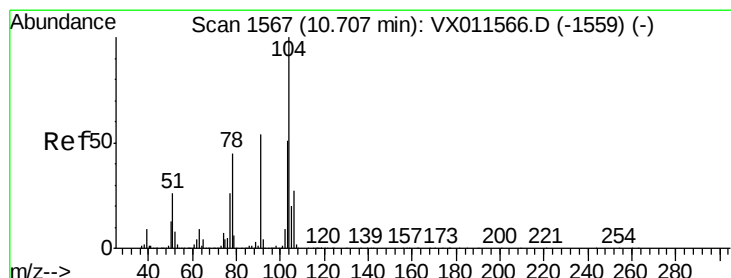
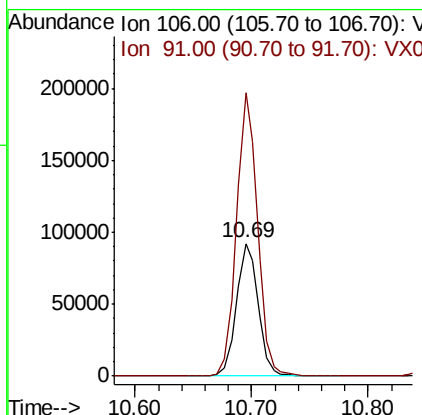
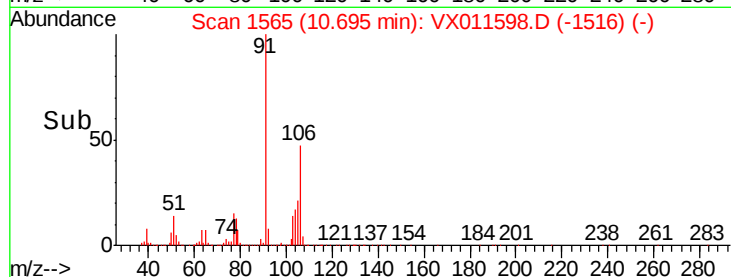
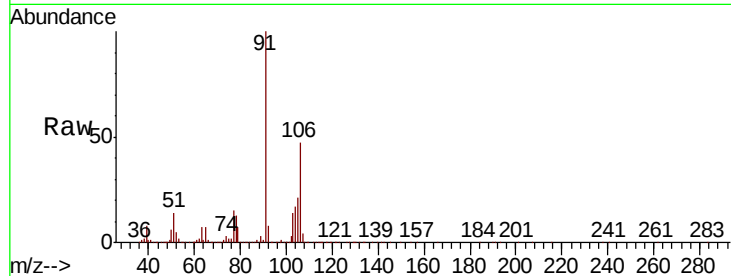




#69
o-Xylene
Concen: 20.179 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011598.D
Acq: 16 Aug 2019 23:03

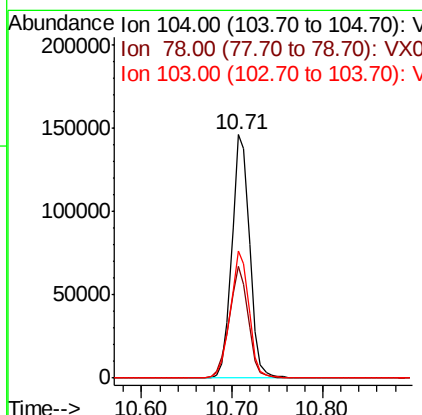
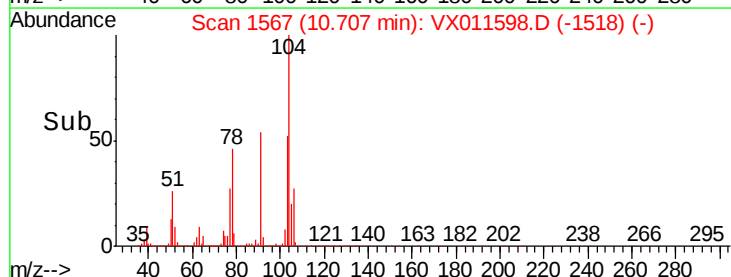
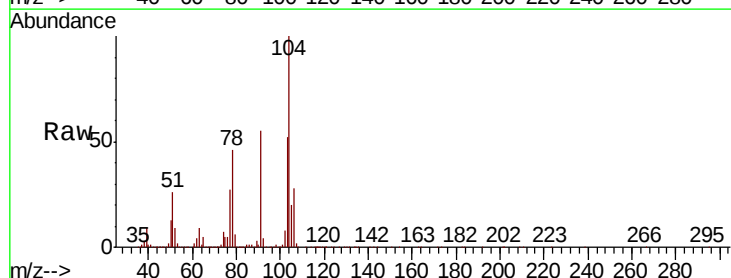
Instrument :
MSVOA_X
ClientSampleId :
VX0816WBS02

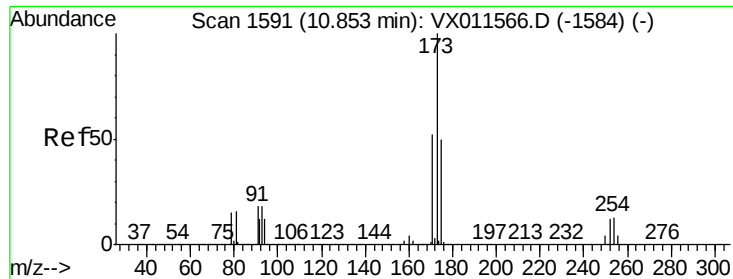
Tgt Ion:106 Resp: 119379
Ion Ratio Lower Upper
106 100
91 207.7 105.5 316.4



#70
Styrene
Concen: 20.050 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX011598.D
Acq: 16 Aug 2019 23:03

Tgt Ion:104 Resp: 199688
Ion Ratio Lower Upper
104 100
78 48.8 38.2 57.4
103 55.1 43.6 65.4





#71

Bromoform

Concen: 18.870 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX011598.D

Acq: 16 Aug 2019 23:03

Instrument :

MSVOA_X

ClientSampleId :

VX0816WBS02

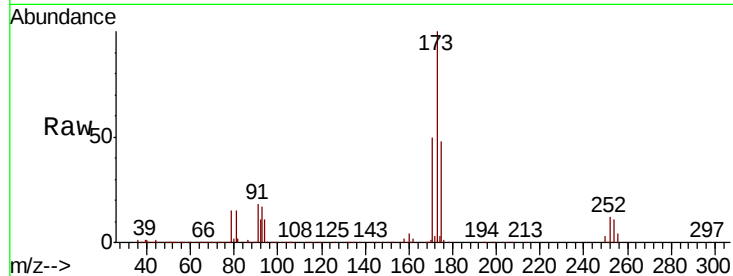
Tgt Ion:173 Resp: 57107

Ion Ratio Lower Upper

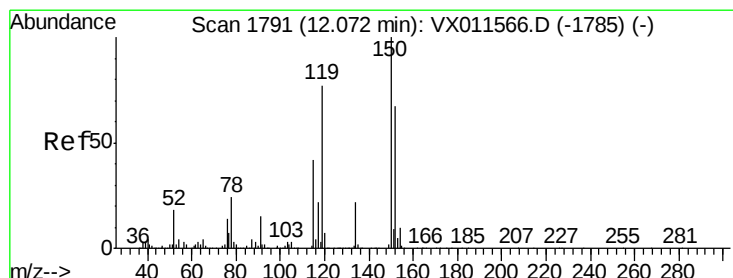
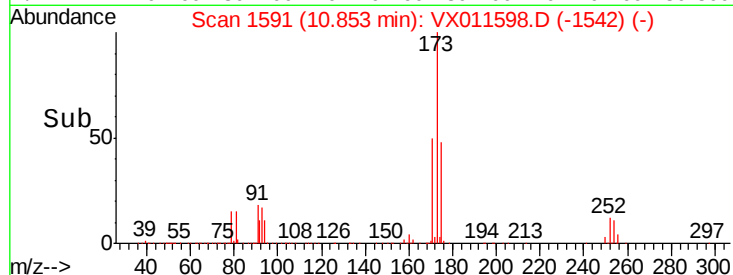
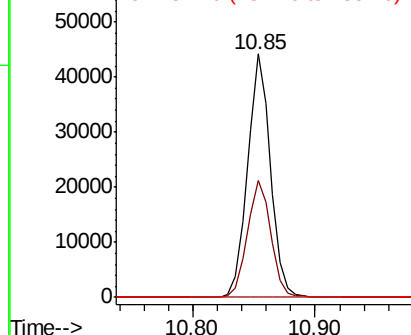
173 100

175 49.3 24.9 74.7

254 0.2 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX011598.D

Acq: 16 Aug 2019 23:03

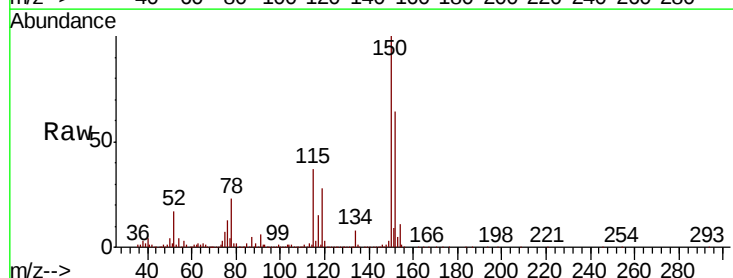
Tgt Ion:152 Resp: 235761

Ion Ratio Lower Upper

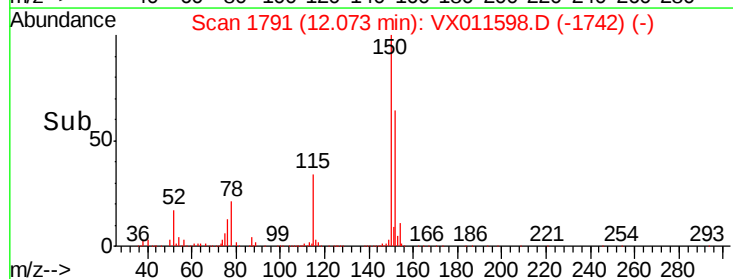
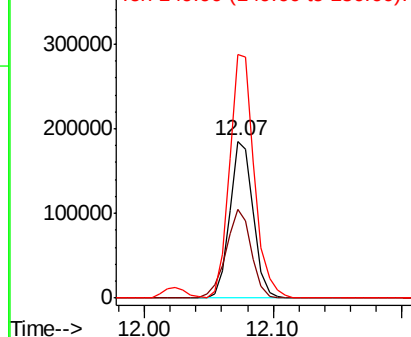
152 100

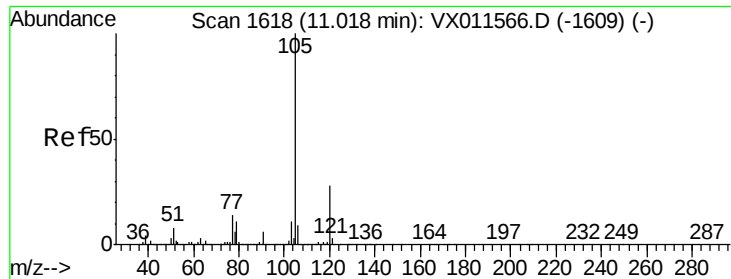
115 61.6 37.3 111.9

150 163.7 0.0 346.2



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





#73

Isopropylbenzene

Concen: 20.972 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX011598.D

Acq: 16 Aug 2019 23:03

Instrument :

MSVOA_X

ClientSampled :

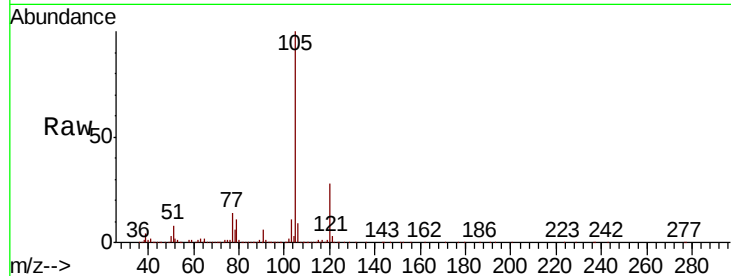
VX0816WBS02

Tgt Ion: 105 Resp: 320833

Ion Ratio Lower Upper

105 100

120 27.7 14.0 41.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

50000

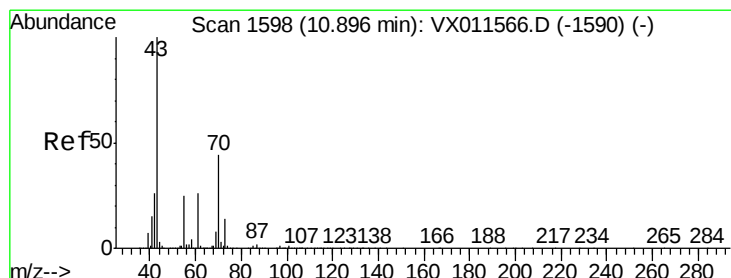
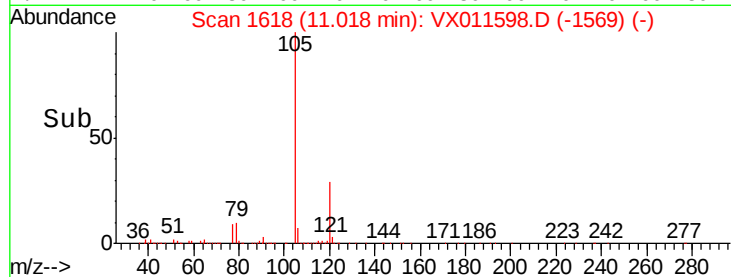
0

11.02

10.90

11.10

Time-->



#74

N-ethyl acetate

Concen: 19.316 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX011598.D

Acq: 16 Aug 2019 23:03

Tgt Ion: 43 Resp: 125575

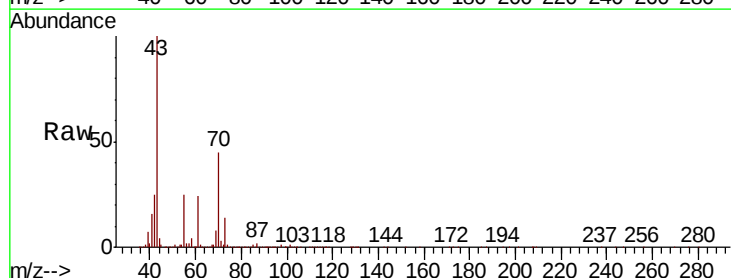
Ion Ratio Lower Upper

43 100

70 43.2 34.7 52.1

55 24.7 19.6 29.4

61 25.2 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

150000

100000

50000

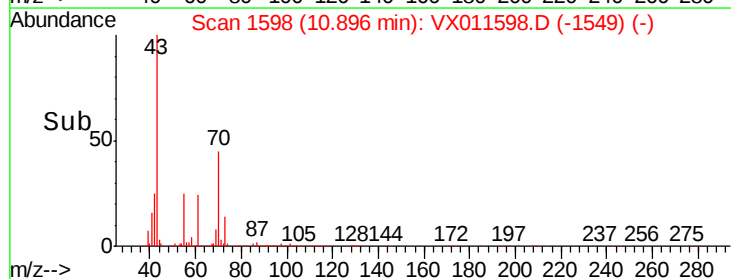
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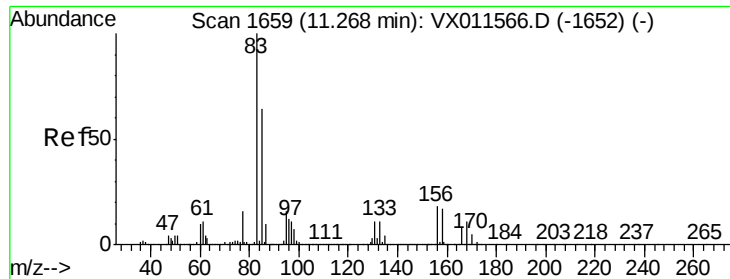
10.90

10.80

11.00

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.034 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX011598.D

Acq: 16 Aug 2019 23:03

Instrument :

MSVOA_X

ClientSampleId :

VX0816WBS02

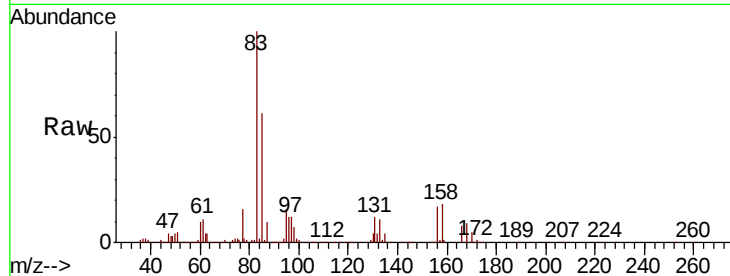
Tgt Ion: 83 Resp: 105431

Ion Ratio Lower Upper

83 100

131 12.3 5.8 17.3

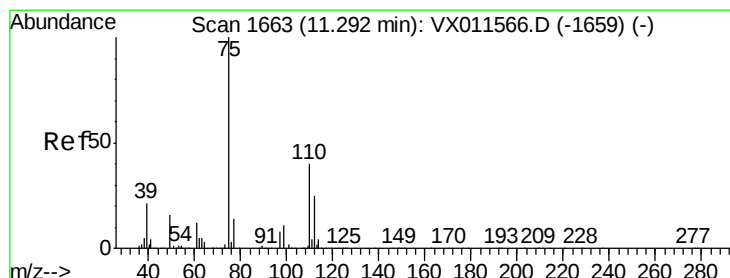
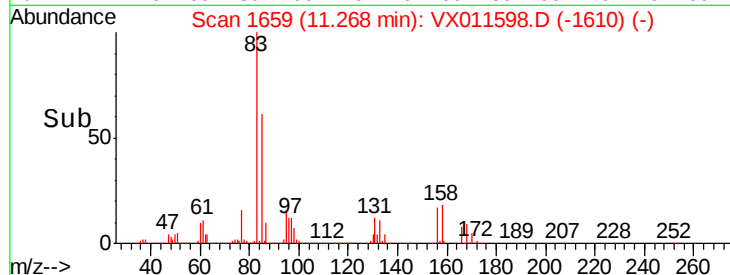
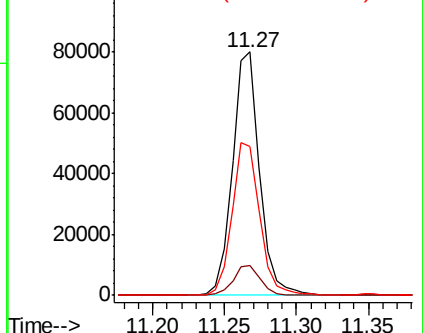
85 64.7 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 24.974 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX011598.D

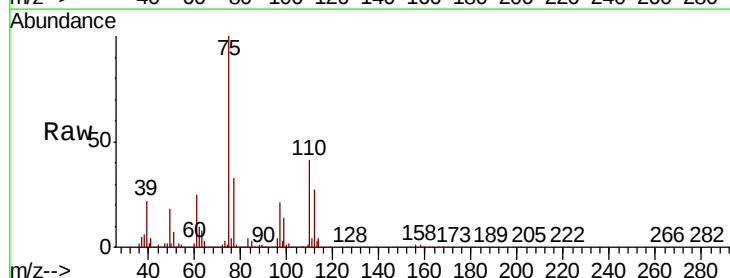
Acq: 16 Aug 2019 23:03

Tgt Ion: 75 Resp: 111650

Ion Ratio Lower Upper

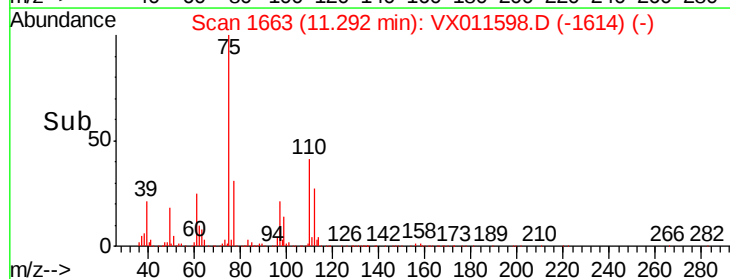
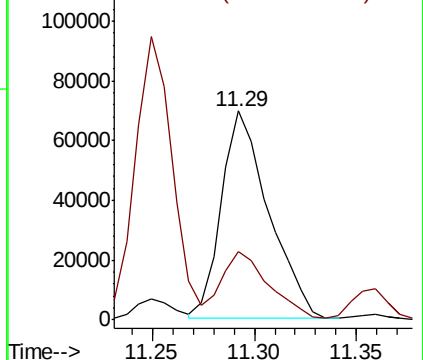
75 100

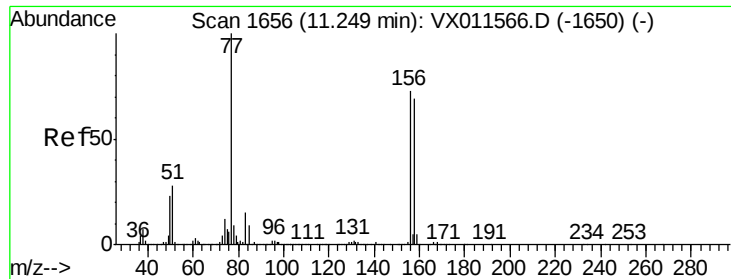
77 32.8 20.9 62.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.544 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. 0.00 min

Lab File: VX011598.D

Acq: 16 Aug 2019 23:03

Instrument :

MSVOA_X

ClientSampleId :

VX0816WBS02

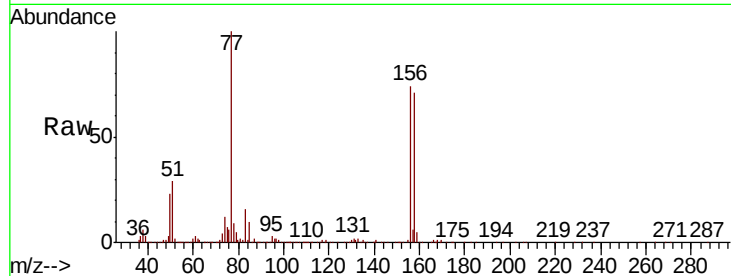
Tgt Ion:156 Resp: 93504

Ion Ratio Lower Upper

156 100

77 128.5 64.6 193.9

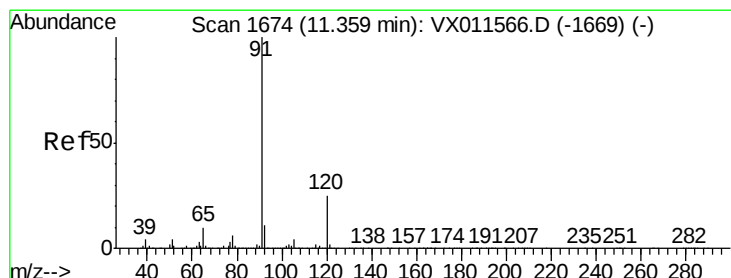
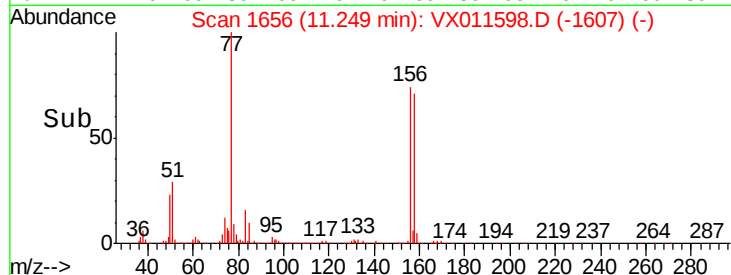
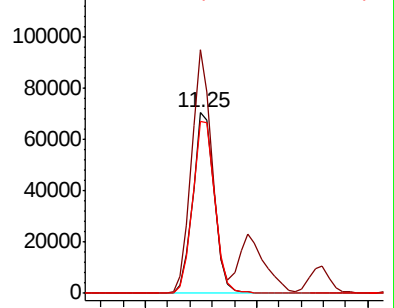
158 98.3 48.4 145.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.848 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX011598.D

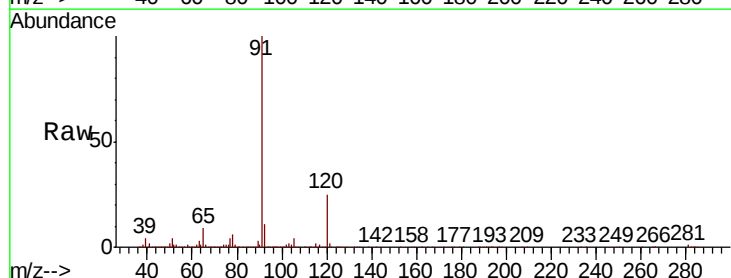
Acq: 16 Aug 2019 23:03

Tgt Ion: 91 Resp: 343915

Ion Ratio Lower Upper

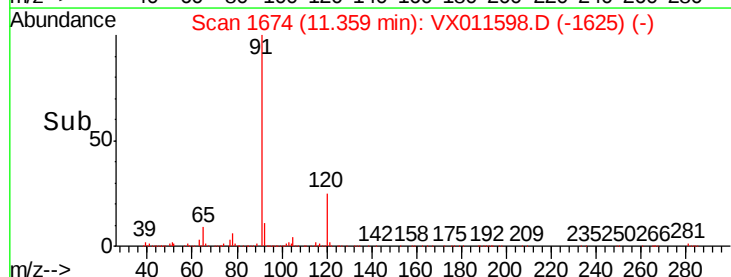
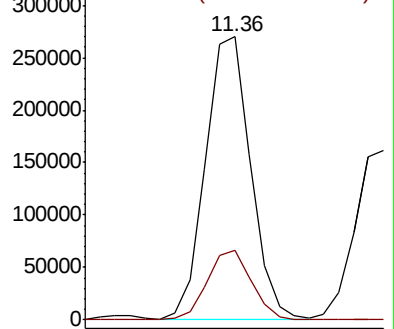
91 100

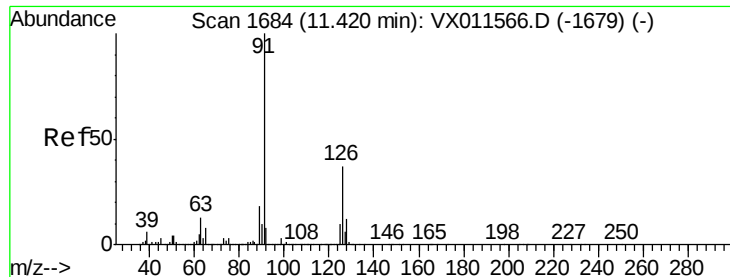
120 24.5 12.6 37.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.529 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX011598.D

Acq: 16 Aug 2019 23:03

Instrument :

MSVOA_X

ClientSampleId :

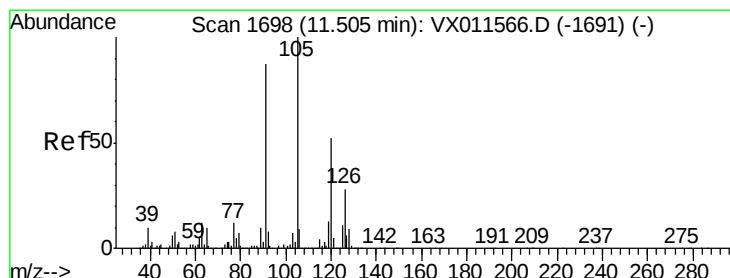
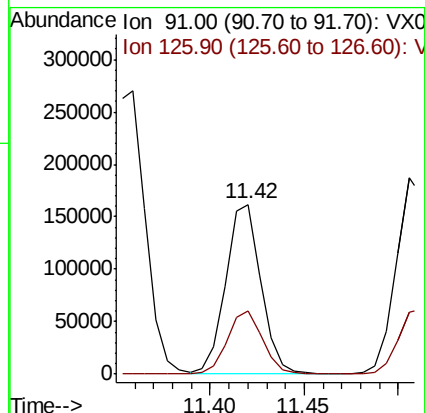
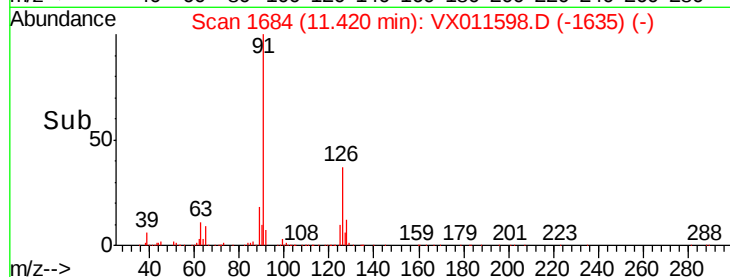
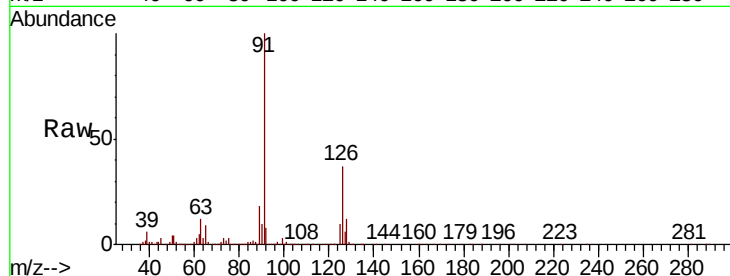
VX0816WBS02

Tgt Ion: 91 Resp: 207947

Ion Ratio Lower Upper

91 100

126 37.4 18.4 55.0



#80

1,3,5-Trimethylbenzene

Concen: 21.052 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011598.D

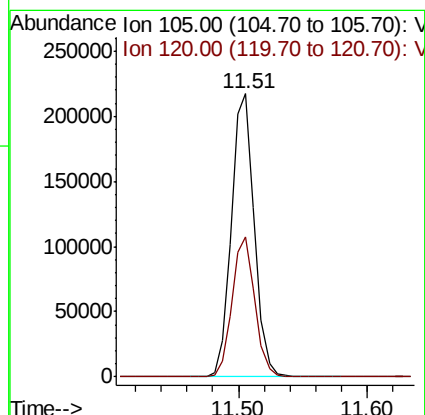
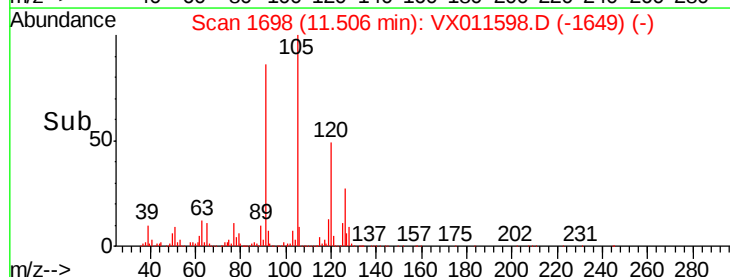
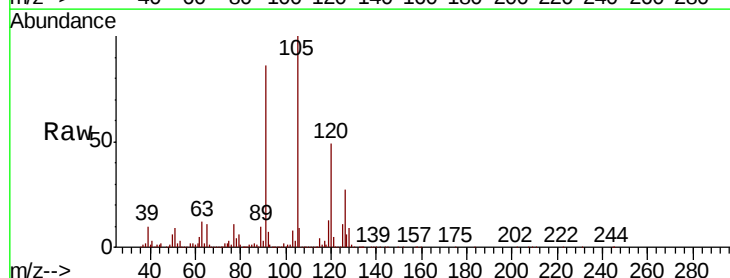
Acq: 16 Aug 2019 23:03

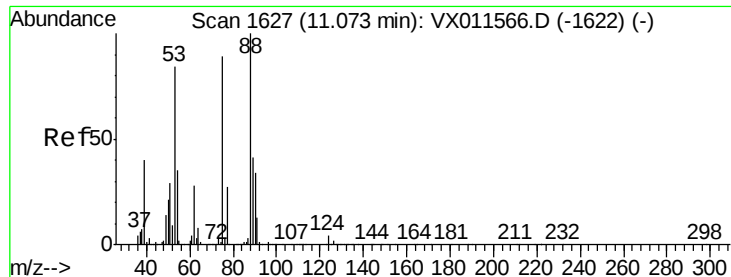
Tgt Ion: 105 Resp: 270536

Ion Ratio Lower Upper

105 100

120 49.1 25.3 75.8

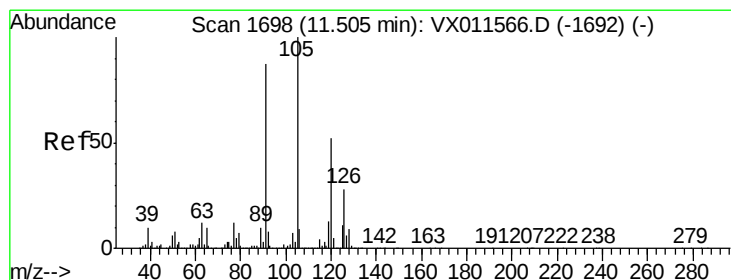
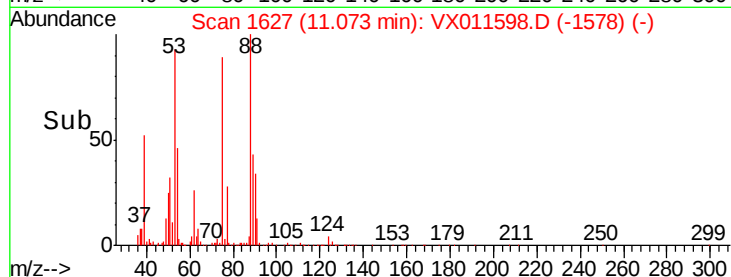
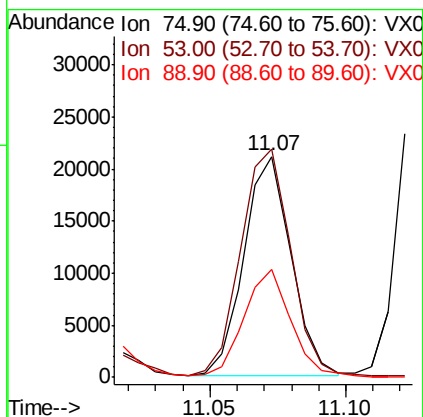
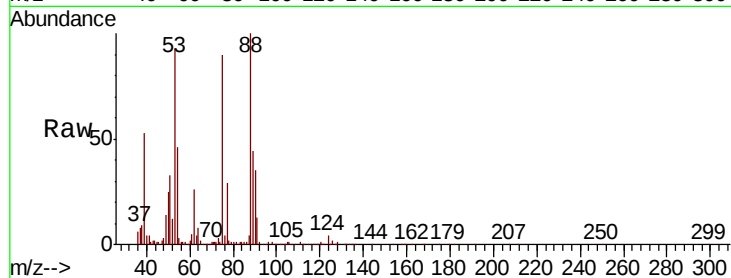




#81
trans-1,4-Dichloro-2-butene
Concen: 18.444 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX011598.D
Acq: 16 Aug 2019 23:03

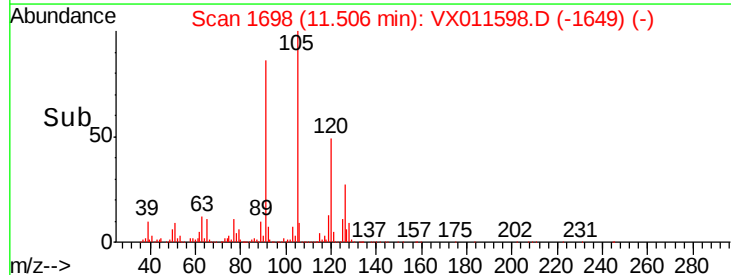
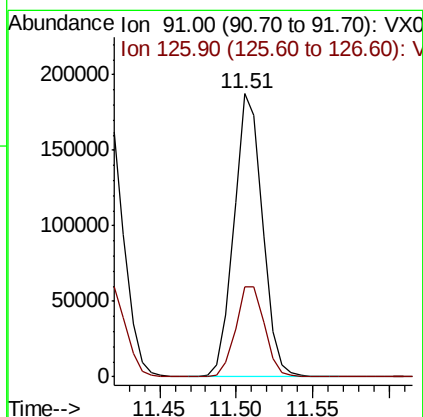
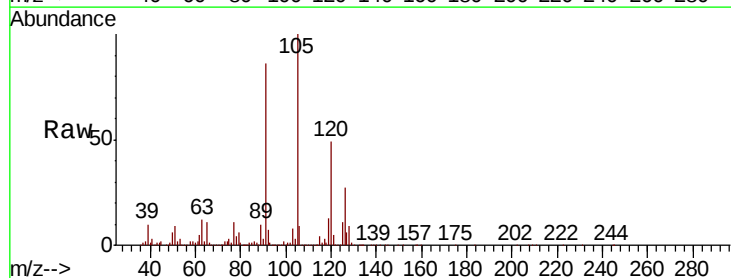
Instrument :
MSVOA_X
ClientSampleId :
VX0816WBS02

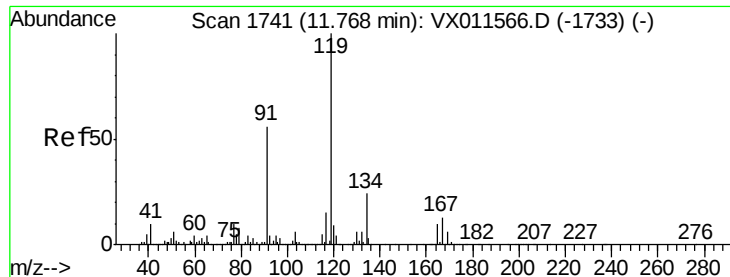
Tgt Ion: 75 Resp: 25306
Ion Ratio Lower Upper
75 100
53 110.1 77.4 116.0
89 49.4 37.3 55.9



#82
4-Chlorotoluene
Concen: 20.494 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX011598.D
Acq: 16 Aug 2019 23:03

Tgt Ion: 91 Resp: 240845
Ion Ratio Lower Upper
91 100
126 32.8 16.4 49.1





#83

tert-Butylbenzene

Concen: 20.346 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX011598.D

Acq: 16 Aug 2019 23:03

Instrument :

MSVOA_X

ClientSampled :

VX0816WBS02

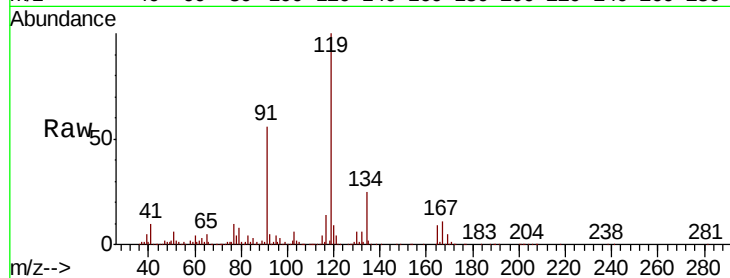
Tgt Ion:119 Resp: 266305

Ion Ratio Lower Upper

119 100

91 55.5 27.1 81.3

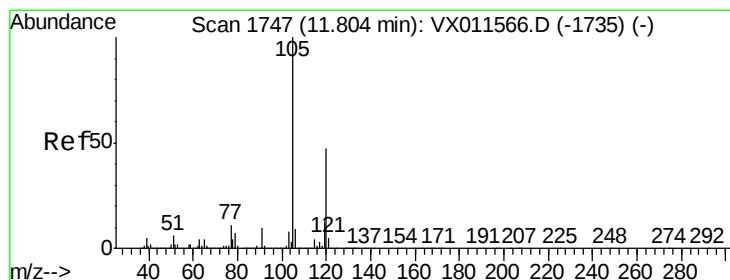
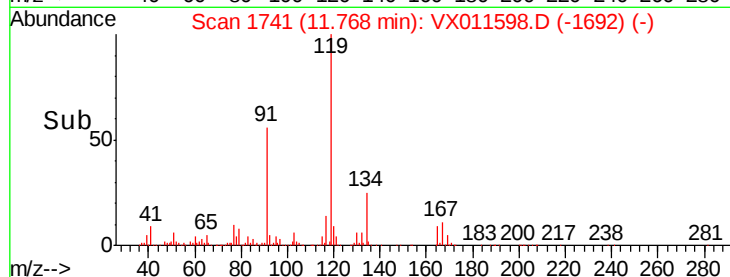
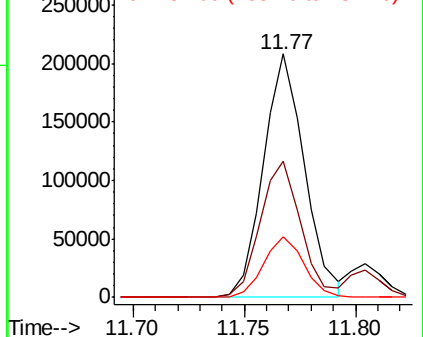
134 24.5 11.8 35.3



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: 21.081 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX011598.D

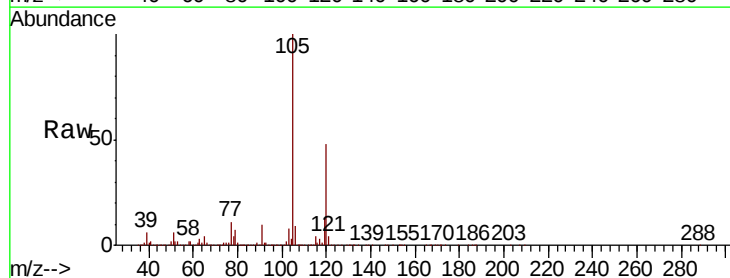
Acq: 16 Aug 2019 23:03

Tgt Ion:105 Resp: 271971

Ion Ratio Lower Upper

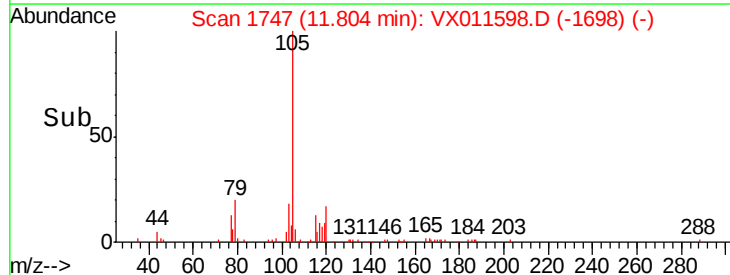
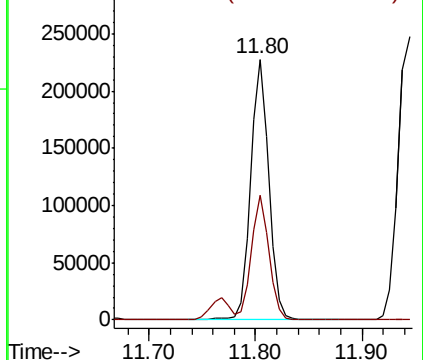
105 100

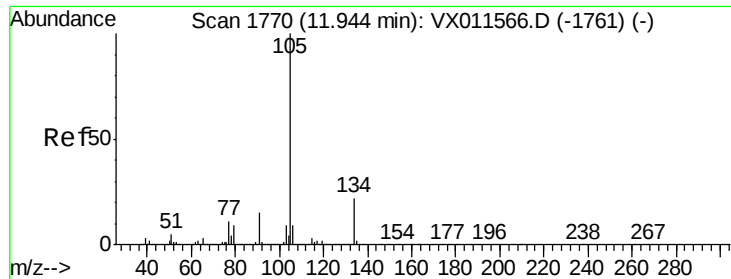
120 46.6 23.3 69.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.560 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011598.D

Acq: 16 Aug 2019 23:03

Instrument :

MSVOA_X

ClientSampleId :

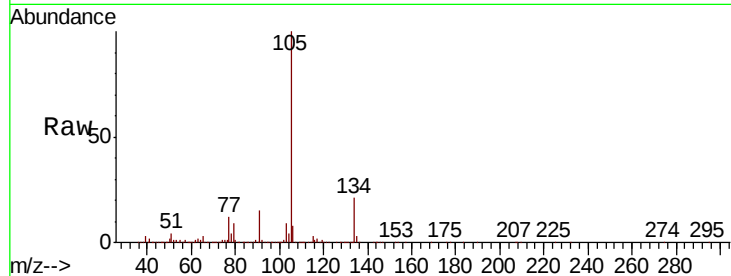
VX0816WBS02

Tgt Ion:105 Resp: 303612

Ion Ratio Lower Upper

105 100

134 21.6 10.8 32.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

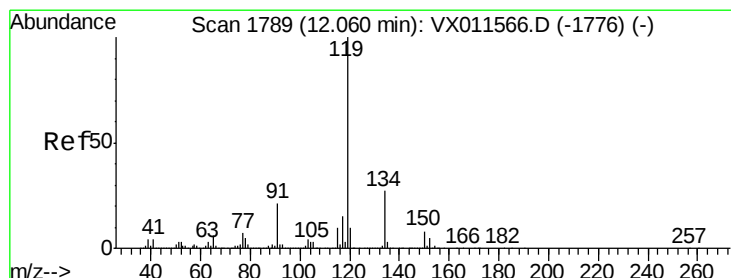
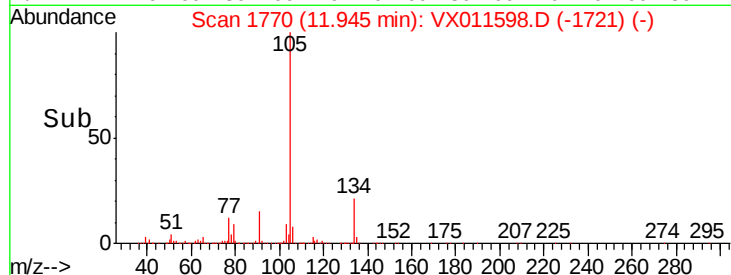
100000

50000

0

11.85 11.90 11.95 12.00

Time-->



#86

p-Isopropyltoluene

Concen: 20.759 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX011598.D

Acq: 16 Aug 2019 23:03

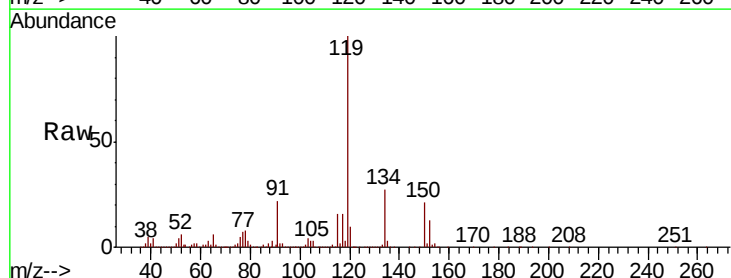
Tgt Ion:119 Resp: 288392

Ion Ratio Lower Upper

119 100

134 27.3 13.6 40.8

91 22.2 10.9 32.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

300000

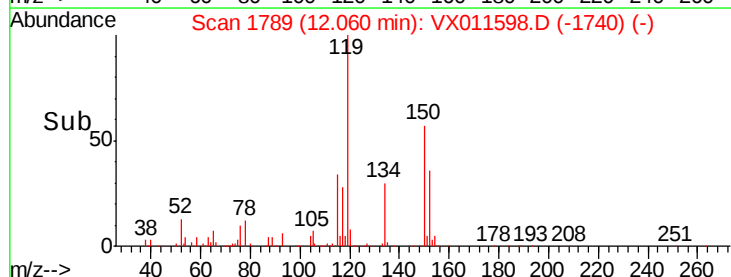
200000

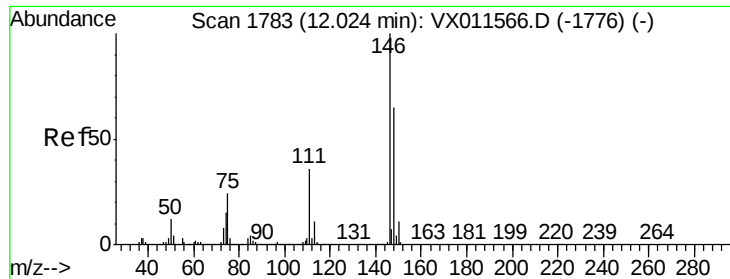
100000

0

12.00 12.10

Time-->

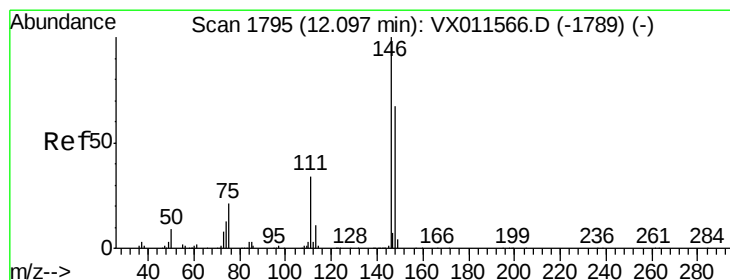
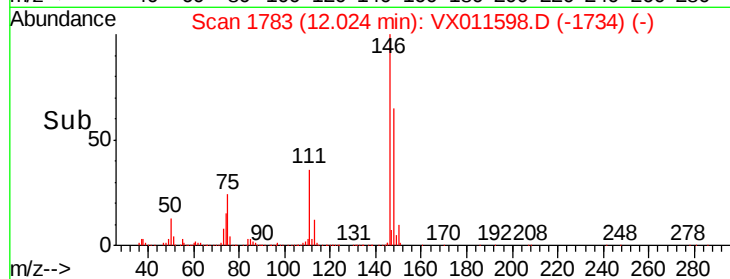
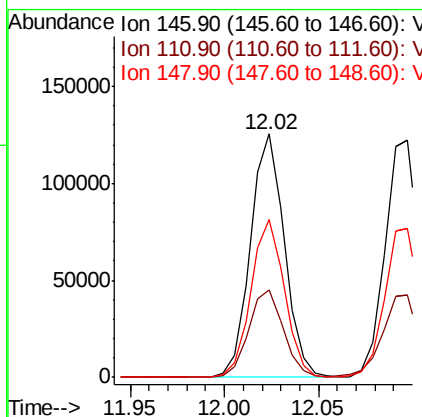
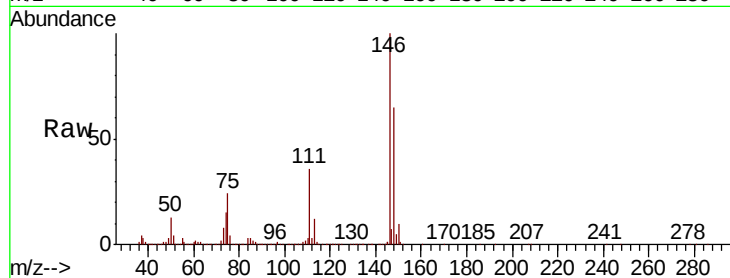




#87
 1,3-Dichlorobenzene
 Concen: 19.984 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX011598.D
 Acq: 16 Aug 2019 23:03

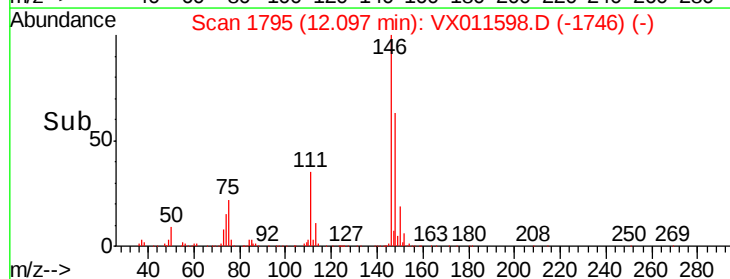
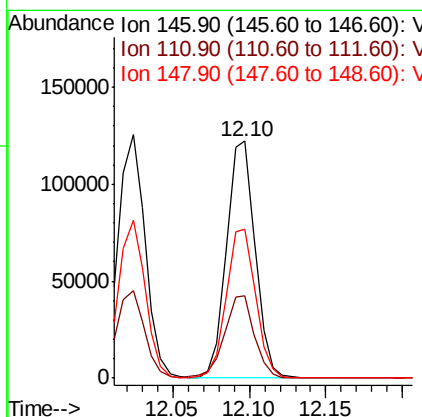
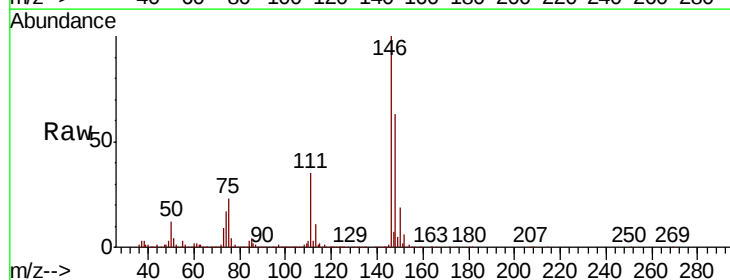
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0816WBS02

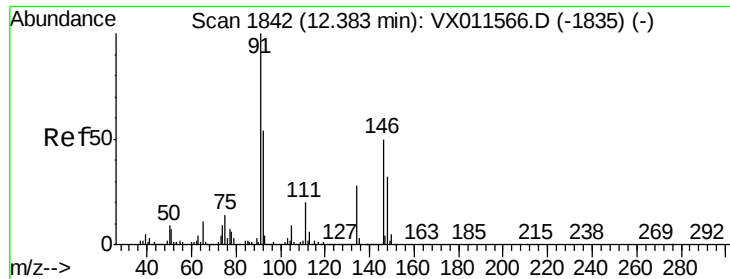
Tgt Ion:146 Resp: 156343
 Ion Ratio Lower Upper
 146 100
 111 36.9 18.1 54.4
 148 64.0 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 19.951 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX011598.D
 Acq: 16 Aug 2019 23:03

Tgt Ion:146 Resp: 158193
 Ion Ratio Lower Upper
 146 100
 111 36.6 17.9 53.7
 148 64.5 32.5 97.5

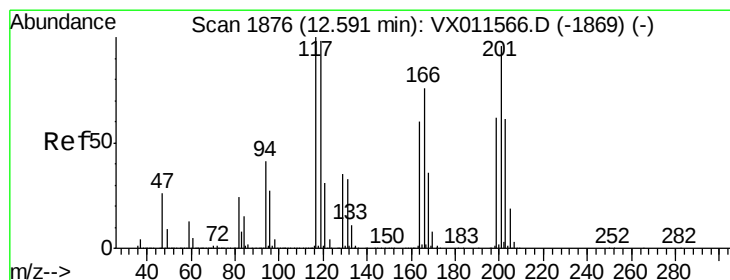
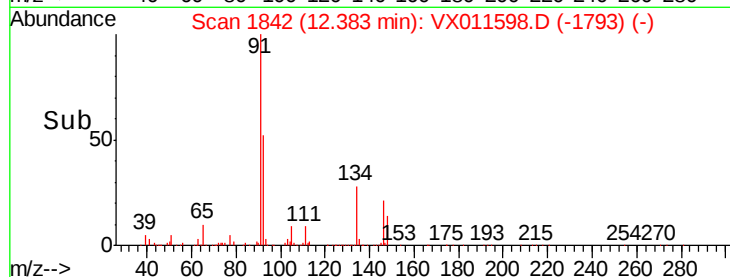
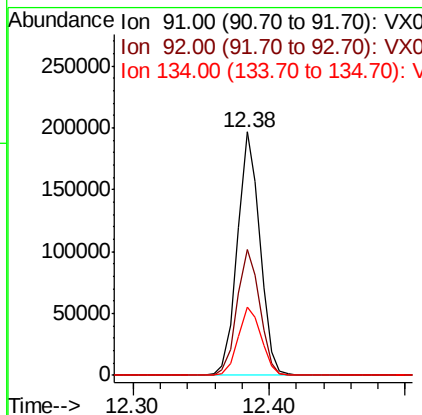
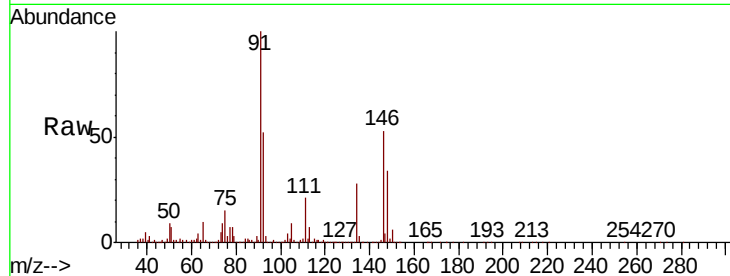




#89
n-Butylbenzene
Concen: 19.748 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX011598.D
Acq: 16 Aug 2019 23:03

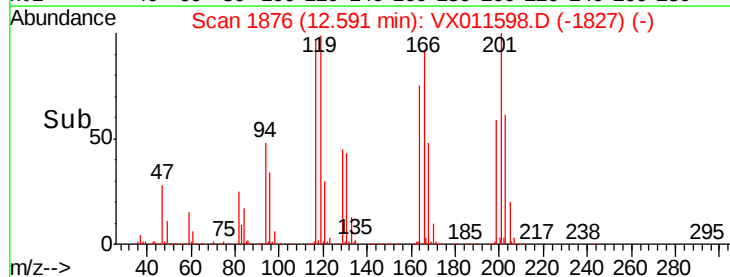
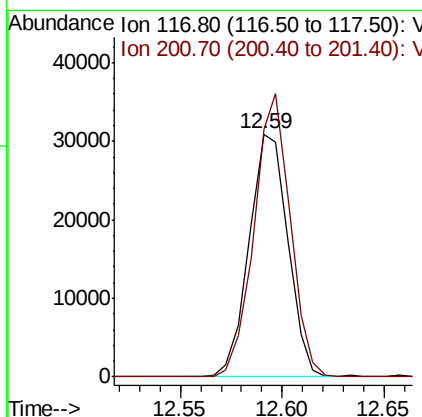
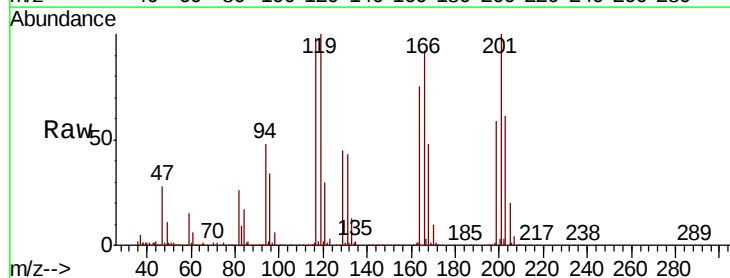
Instrument :
MSVOA_X
ClientSampleId :
VX0816WBS02

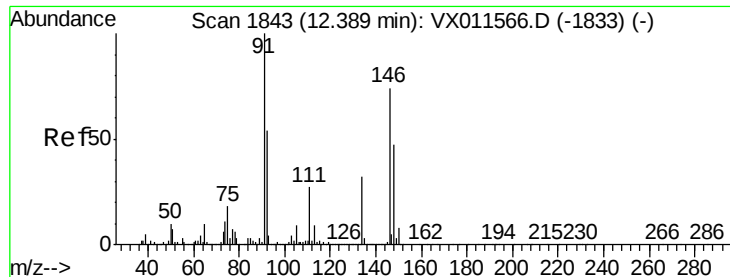
Tgt Ion: 91 Resp: 225549
Ion Ratio Lower Upper
91 100
92 52.5 26.8 80.3
134 28.9 14.6 44.0



#90
Hexachloroethane
Concen: 18.695 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. 0.00 min
Lab File: VX011598.D
Acq: 16 Aug 2019 23:03

Tgt Ion: 117 Resp: 41014
Ion Ratio Lower Upper
117 100
201 108.3 51.9 155.7

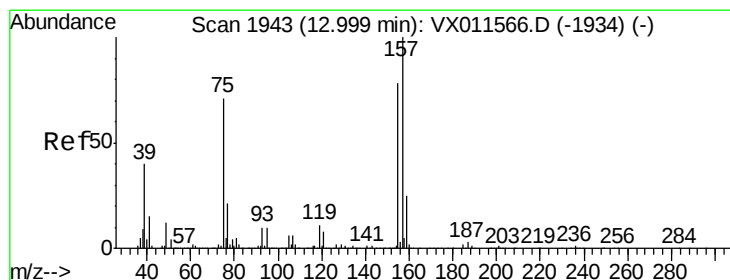
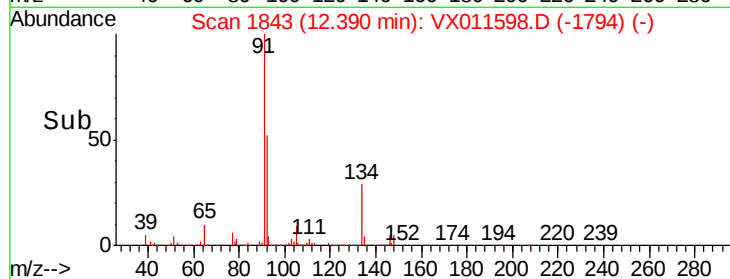
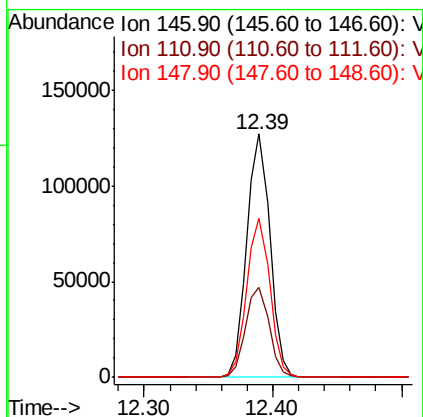
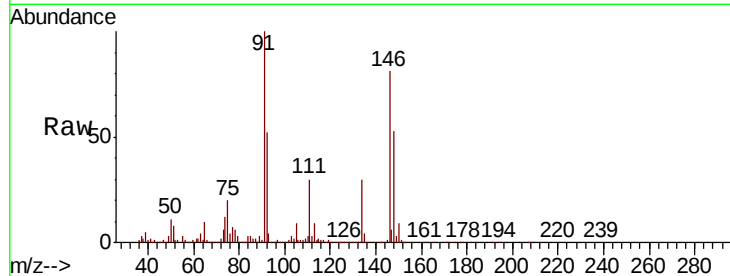




#91
 1,2-Dichlorobenzene
 Concen: 20.098 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX011598.D
 Acq: 16 Aug 2019 23:03

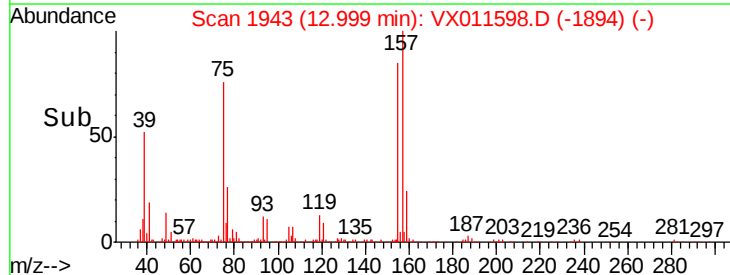
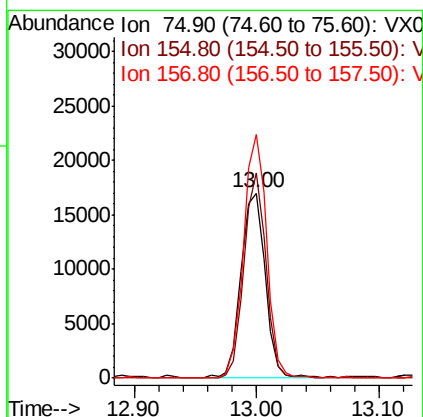
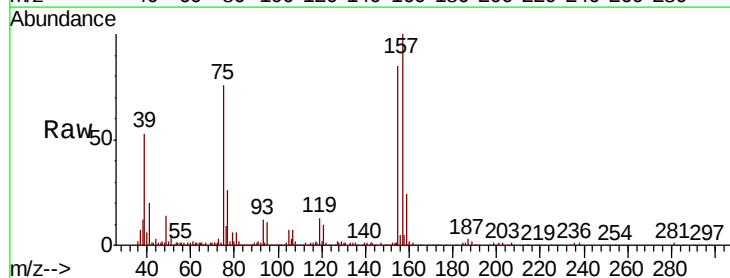
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0816WBS02

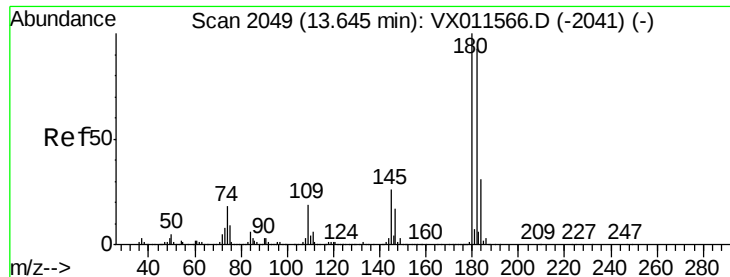
Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.9	56.7
148	65.3	31.9	95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.481 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX011598.D
 Acq: 16 Aug 2019 23:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.3	53.0	159.0
157	124.7	68.3	205.1

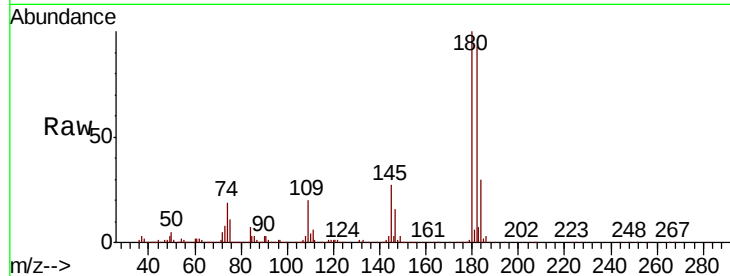




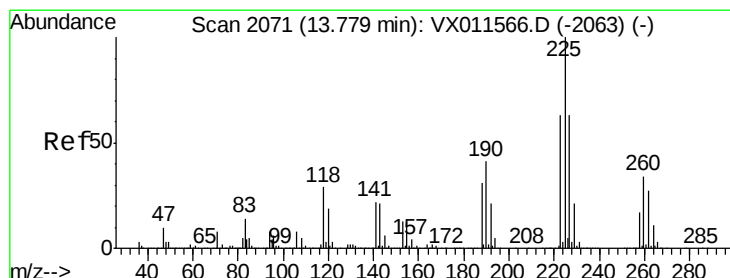
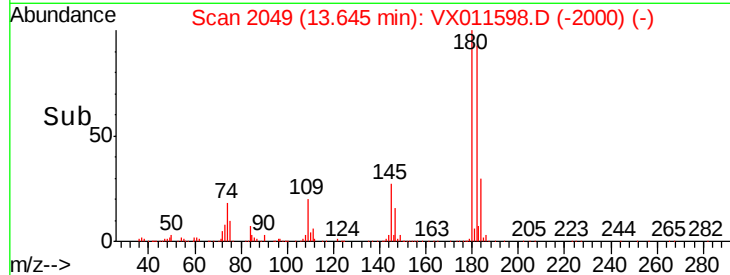
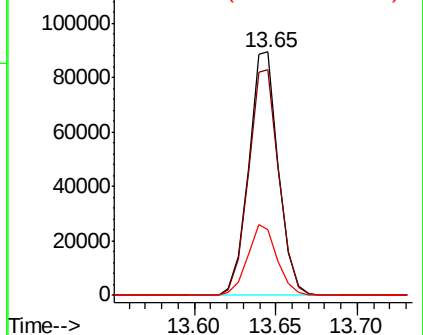
#93
 1,2,4-Trichlorobenzene
 Concen: 19.336 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX011598.D
 Acq: 16 Aug 2019 23:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0816WBS02

Tgt Ion:180 Resp: 113142
 Ion Ratio Lower Upper
 180 100
 182 94.7 47.3 142.0
 145 28.8 13.6 40.8

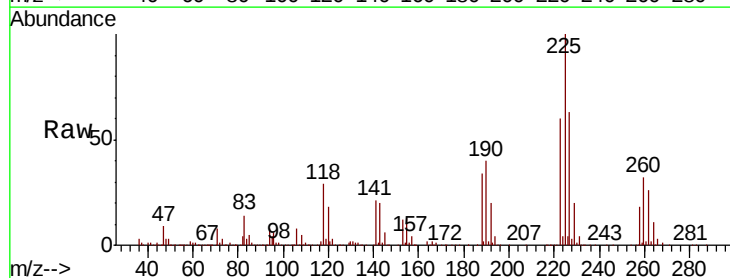


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

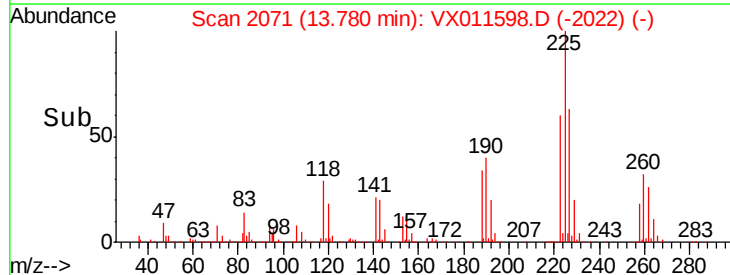
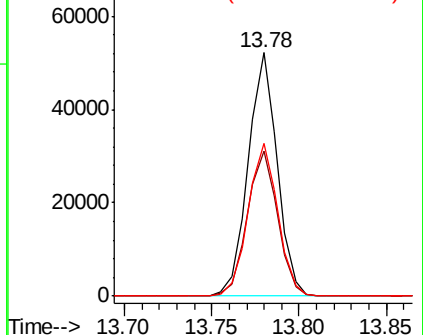


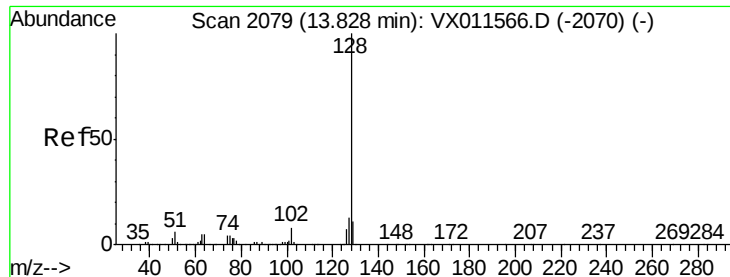
#94
 Hexachlorobutadiene
 Concen: 18.837 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX011598.D
 Acq: 16 Aug 2019 23:03

Tgt Ion:225 Resp: 60018
 Ion Ratio Lower Upper
 225 100
 223 62.2 31.4 94.0
 227 64.2 31.2 93.6



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: 20.586 ug/l

RT: 13.83 min Scan# 2079

Delta R.T. 0.00 min

Lab File: VX011598.D

Acq: 16 Aug 2019 23:03

Instrument :

MSVOA_X

ClientSampleId :

VX0816WBS02

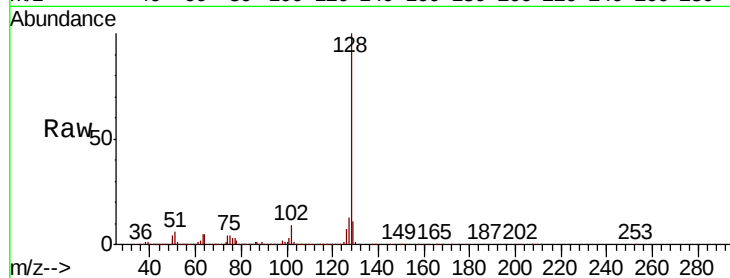
Tgt Ion:128 Resp: 340542

Ion Ratio Lower Upper

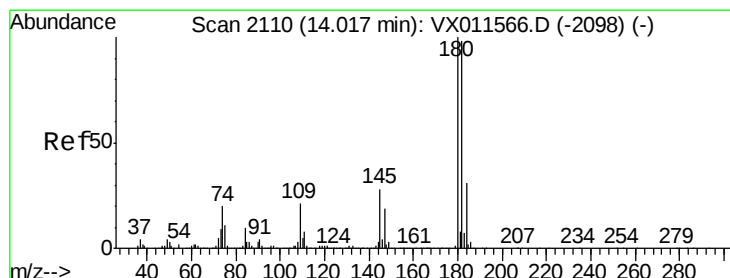
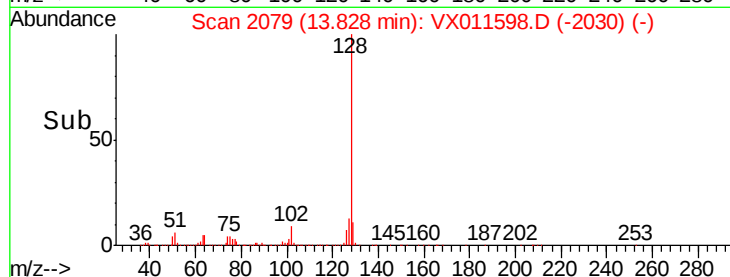
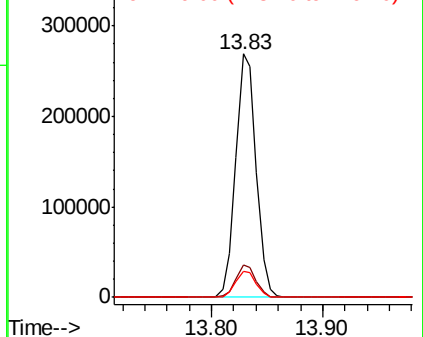
128 100

127 13.1 10.3 15.5

129 10.8 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.096 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX011598.D

Acq: 16 Aug 2019 23:03

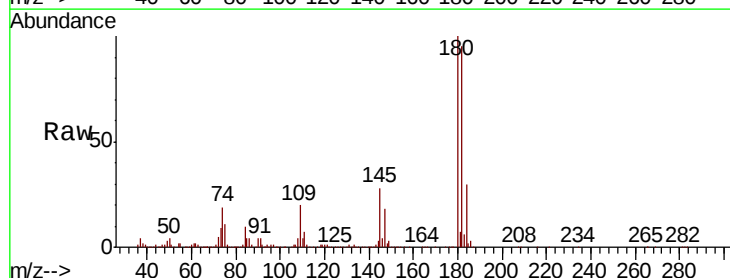
Tgt Ion:180 Resp: 118603

Ion Ratio Lower Upper

180 100

182 96.9 48.0 144.0

145 29.2 14.6 43.8



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

