

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX082119\
 Data File : VX011735.D
 Acq On : 21 Aug 2019 16:17
 Operator : JC/SP
 Sample : VX0821WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0821WBSD01

Quant Time: Aug 22 03:38:48 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	325410	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	465043	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	421123	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	226955	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	165535	54.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.70%	
35) Dibromofluoromethane	5.49	113	147706	48.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.12%	
50) Toluene-d8	8.71	98	471210	49.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.44%	
62) 4-Bromofluorobenzene	11.13	95	196962	49.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.48%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.19	85	75311	23.545	ug/l	100
3) Chloromethane	1.32	50	60246	18.135	ug/l	99
4) Vinyl Chloride	1.40	62	60883	20.287	ug/l	98
5) Bromomethane	1.63	94	31615	23.511	ug/l	100
6) Chloroethane	1.72	64	36824	25.926	ug/l	100
7) Trichlorofluoromethane	1.92	101	99223	23.870	ug/l	100
8) Diethyl Ether	2.18	74	33039	23.171	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	61148	21.298	ug/l	98
10) Methyl Iodide	2.50	142	51630	12.623	ug/l	94
11) Tert butyl alcohol	3.04	59	74664	100.851	ug/l	100
12) 1,1-Dichloroethene	2.37	96	56859	20.492	ug/l	96
13) Acrolein	2.29	56	21948	103.836	ug/l	91
14) Allyl chloride	2.72	41	88467	19.167	ug/l	92
15) Acrylonitrile	3.14	53	175177	103.385	ug/l	99
16) Acetone	2.43	43	173701	114.474	ug/l	99
17) Carbon Disulfide	2.56	76	119558	18.286	ug/l	98
18) Methyl Acetate	2.76	43	99573	21.159	ug/l	100
19) Methyl tert-butyl Ether	3.19	73	194113	21.481	ug/l	99
20) Methylene Chloride	2.85	84	64751	20.324	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	60100	20.440	ug/l	98
22) Diisopropyl ether	3.85	45	187599	20.409	ug/l	98
23) Vinyl Acetate	3.81	43	749834	103.016	ug/l	99
24) 1,1-Dichloroethane	3.69	63	107512	20.687	ug/l	97
25) 2-Butanone	4.67	43	252122	105.838	ug/l	99
26) 2,2-Dichloropropane	4.57	77	89787	22.955	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	69893	20.391	ug/l	97
28) Bromochloromethane	5.01	49	47008	20.605	ug/l	98
29) Tetrahydrofuran	5.12	42	155459	99.486	ug/l	95
30) Chloroform	5.21	83	120021	21.883	ug/l	99
31) Cyclohexane	5.57	56	90217	20.162	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	103363	21.918	ug/l	98
36) 1,1-Dichloropropene	5.79	75	80486	20.243	ug/l	98
37) Ethyl Acetate	4.82	43	89912	19.661	ug/l	99
38) Carbon Tetrachloride	5.77	117	88507	20.205	ug/l	97

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 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)
39) Methylcyclohexane	7.46	83	96049	19.561	ug/l	99
40) Benzene	6.14	78	245996	19.909	ug/l	100
41) Methacrylonitrile	5.04	41	49473	19.656	ug/l	96
42) 1,2-Dichloroethane	6.18	62	93636	21.873	ug/l	99
43) Isopropyl Acetate	6.44	43	139743	19.580	ug/l	100
44) Trichloroethene	7.21	130	74384	20.293	ug/l	97
45) 1,2-Dichloropropane	7.51	63	62601	20.315	ug/l	94
46) Dibromomethane	7.66	93	46315	20.683	ug/l	93
47) Bromodichloromethane	7.90	83	86244	20.976	ug/l	97
48) Methyl methacrylate	7.77	41	70504	19.948	ug/l	95
49) 1,4-Dioxane	7.73	88	38392	408.399	ug/l	94
51) 4-Methyl-2-Pentanone	8.64	43	477263	102.165	ug/l	100
52) Toluene	8.78	92	160802	20.428	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	85391	20.011	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	95877	20.531	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	69696	20.820	ug/l	99
56) Ethyl methacrylate	9.18	69	98441	20.233	ug/l	96
57) 1,3-Dichloropropane	9.37	76	110077	20.687	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	247732	102.190	ug/l	98
59) 2-Hexanone	9.49	43	378085	104.952	ug/l	99
60) Dibromochloromethane	9.58	129	71919	20.620	ug/l	98
61) 1,2-Dibromoethane	9.67	107	73557	20.589	ug/l	100
64) Tetrachloroethene	9.34	164	72263	20.914	ug/l	97
65) Chlorobenzene	10.13	112	184708	20.564	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	69176	20.605	ug/l	98
67) Ethyl Benzene	10.25	91	310839	20.736	ug/l	100
68) m/p-Xylenes	10.35	106	241225	41.922	ug/l	99
69) o-Xylene	10.69	106	116480	20.666	ug/l	100
70) Styrene	10.71	104	196322	20.691	ug/l	98
71) Bromoform	10.85	173	53745	18.681	ug/l #	99
73) Isopropylbenzene	11.02	105	314633	21.365	ug/l	100
74) N-amyl acetate	10.90	43	122974	19.649	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	106451	21.013	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	113422	26.355	ug/l	86
77) Bromobenzene	11.25	156	86715	19.791	ug/l	94
78) n-propylbenzene	11.36	91	348485	21.945	ug/l	98
79) 2-Chlorotoluene	11.42	91	212985	21.842	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	268252	21.684	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	26834	19.861	ug/l	89
82) 4-Chlorotoluene	11.51	91	241310	21.331	ug/l	99
83) tert-Butylbenzene	11.77	119	265950	21.108	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	272616	21.951	ug/l	98
85) sec-Butylbenzene	11.94	105	309124	21.746	ug/l	100
86) p-Isopropyltoluene	12.06	119	290056	21.689	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	155418	20.637	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	156810	20.544	ug/l	98
89) n-Butylbenzene	12.38	91	240800	21.901	ug/l	97
90) Hexachloroethane	12.59	117	42552	20.149	ug/l	90
91) 1,2-Dichlorobenzene	12.39	146	154890	20.488	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	23833	20.563	ug/l	89

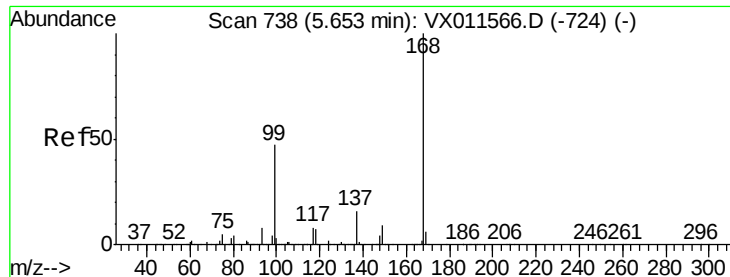
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX082119\
Data File : VX011735.D
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Quant Time: Aug 22 03:38:48 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 16 04:15:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	111019	19.709	ug/l	99
94) Hexachlorobutadiene	13.78	225	59647	19.446	ug/l	100
95) Naphthalene	13.83	128	336259	21.116	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	112417	19.786	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011735.D

Acq: 21 Aug 2019 16:17

Instrument :

MSVOA_X

ClientSampleId :

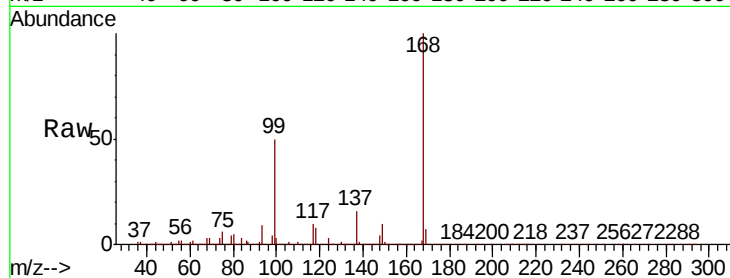
VX0821WBSD01

Tgt Ion:168 Resp: 325410

Ion Ratio Lower Upper

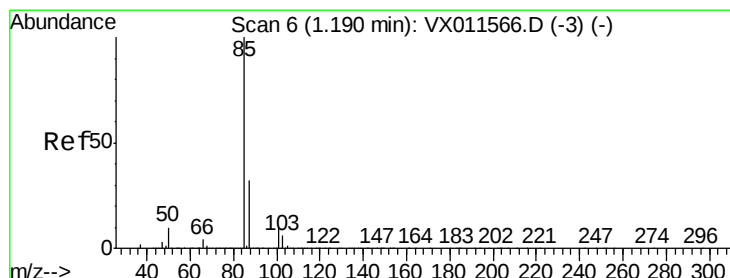
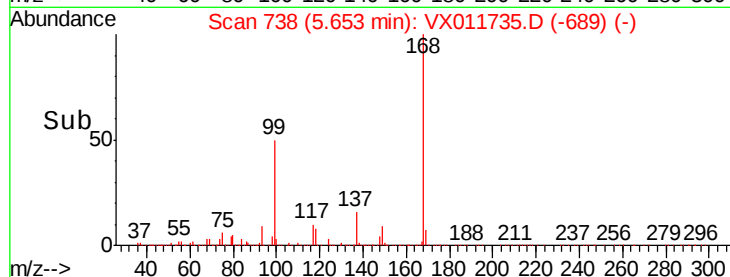
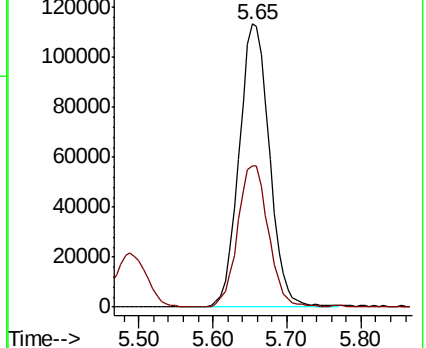
168 100

99 49.8 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 23.545 ug/l

RT: 1.19 min Scan# 6

Delta R.T. 0.00 min

Lab File: VX011735.D

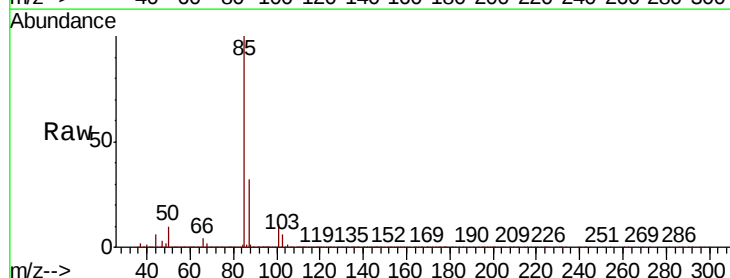
Acq: 21 Aug 2019 16:17

Tgt Ion: 85 Resp: 75311

Ion Ratio Lower Upper

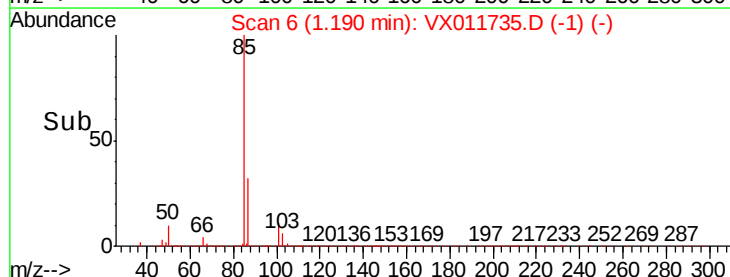
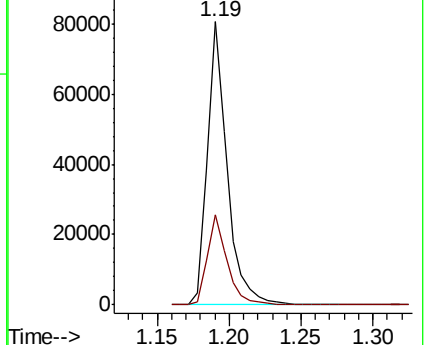
85 100

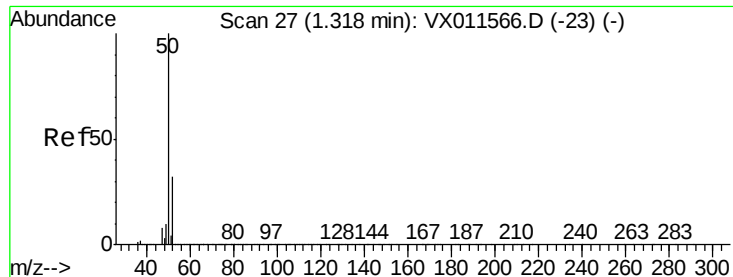
87 31.9 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 18.135 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011735.D

Acq: 21 Aug 2019 16:17

Instrument :

MSVOA_X

ClientSampleId :

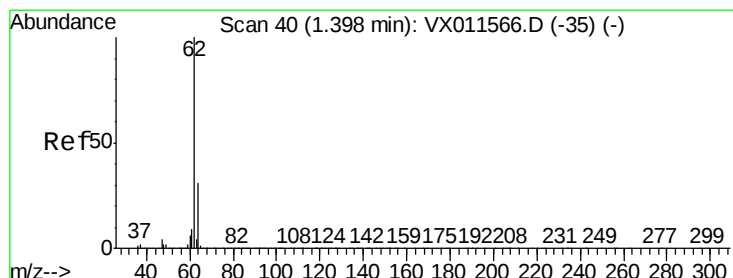
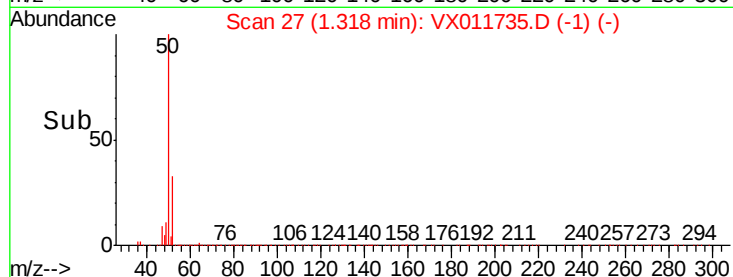
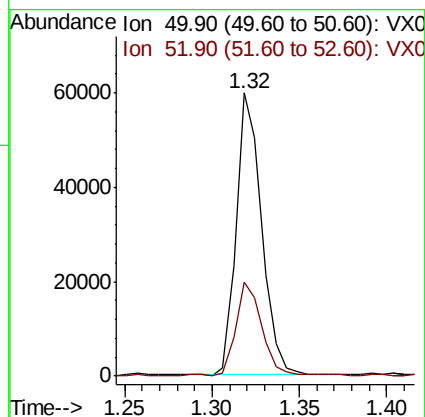
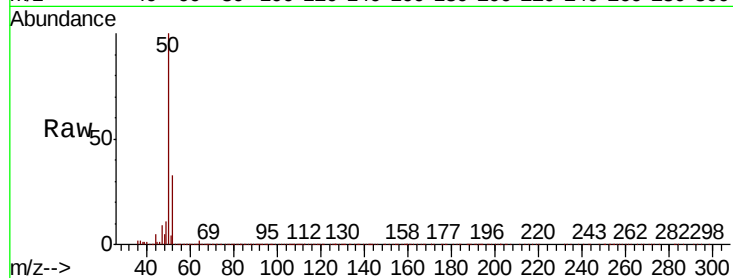
VX0821WBSD01

Tgt Ion: 50 Resp: 60246

Ion Ratio Lower Upper

50 100

52 33.1 26.0 39.0



#4

Vinyl Chloride

Concen: 20.287 ug/l

RT: 1.40 min Scan# 40

Delta R.T. 0.00 min

Lab File: VX011735.D

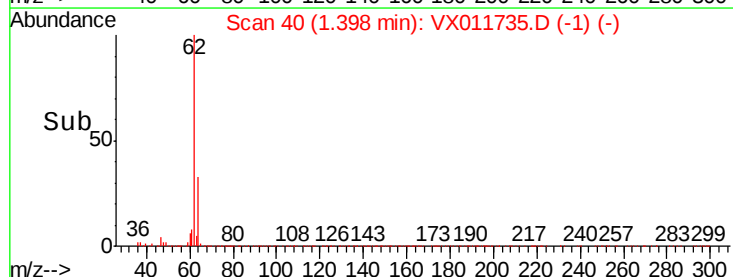
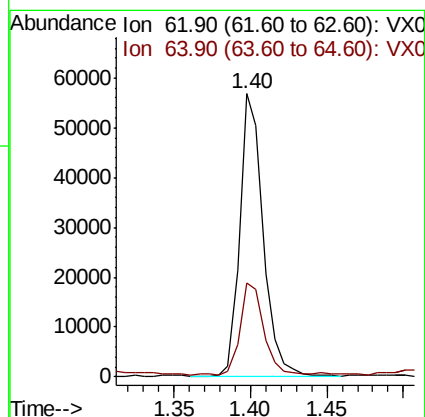
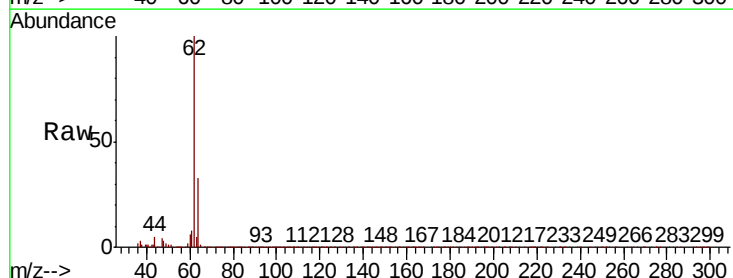
Acq: 21 Aug 2019 16:17

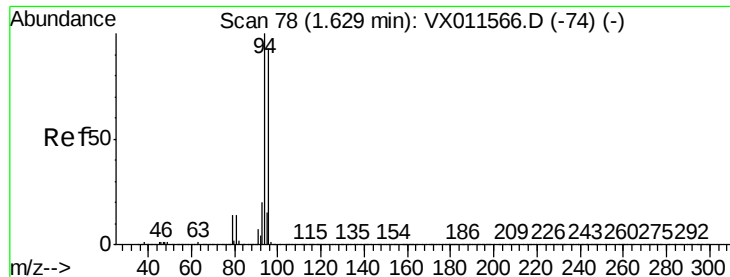
Tgt Ion: 62 Resp: 60883

Ion Ratio Lower Upper

62 100

64 32.2 25.0 37.4





#5

Bromomethane

Concen: 23.511 ug/l

RT: 1.63 min Scan# 78

Delta R.T. 0.00 min

Lab File: VX011735.D

Acq: 21 Aug 2019 16:17

Instrument :

MSVOA_X

ClientSampleId :

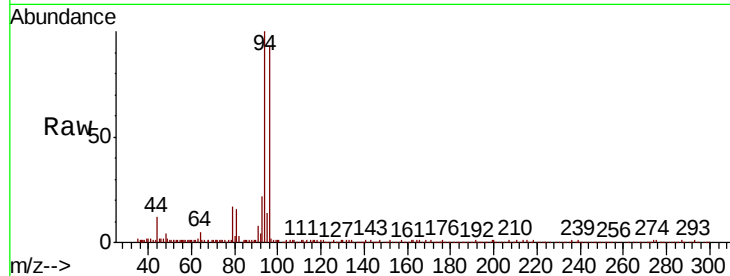
VX0821WBSD01

Tgt Ion: 94 Resp: 31615

Ion Ratio Lower Upper

94 100

96 93.2 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.63

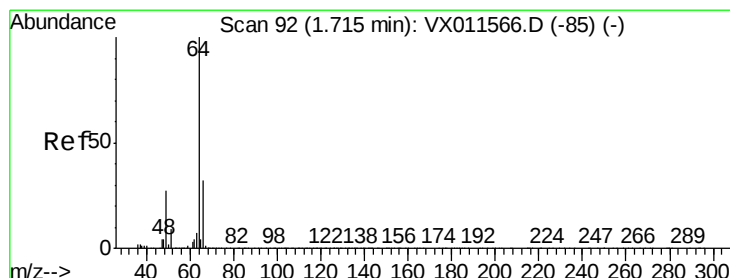
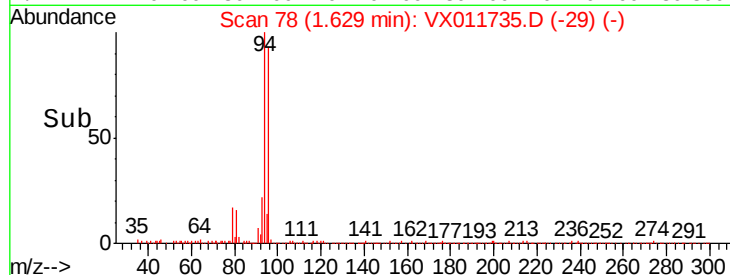
30000

20000

10000

0

Time--> 1.55 1.60 1.65 1.70



#6

Chloroethane

Concen: 25.926 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX011735.D

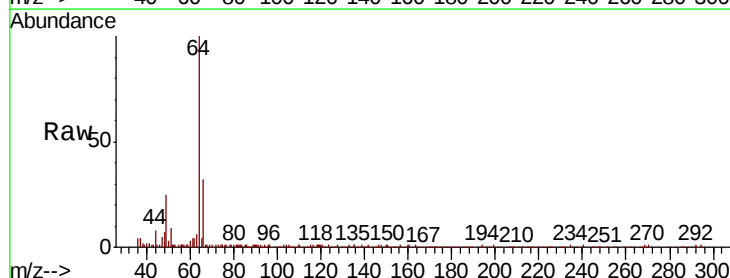
Acq: 21 Aug 2019 16:17

Tgt Ion: 64 Resp: 36824

Ion Ratio Lower Upper

64 100

66 31.7 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

30000

25000

20000

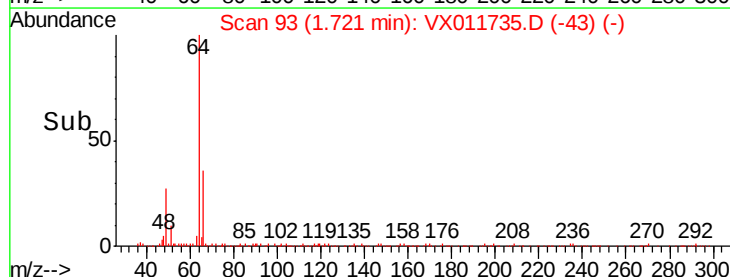
15000

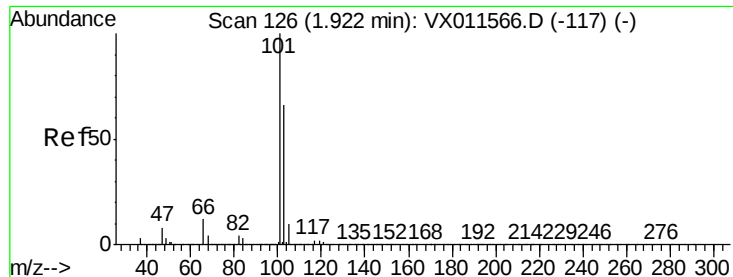
10000

5000

0

Time--> 1.70 1.80



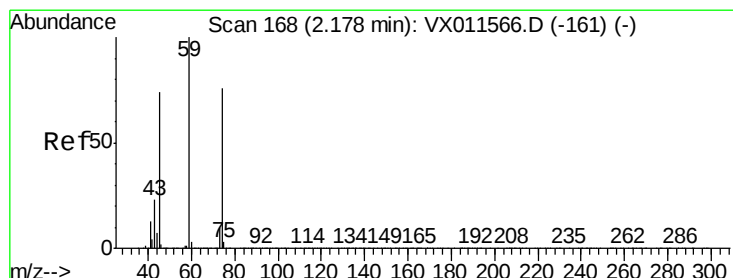
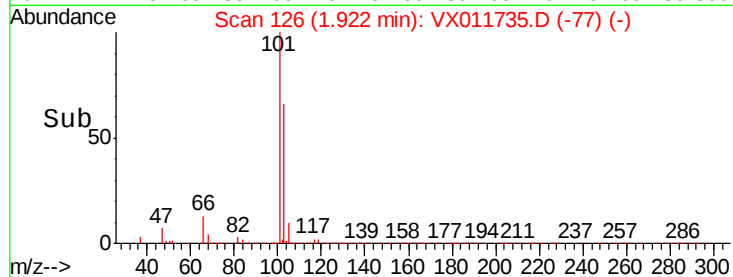
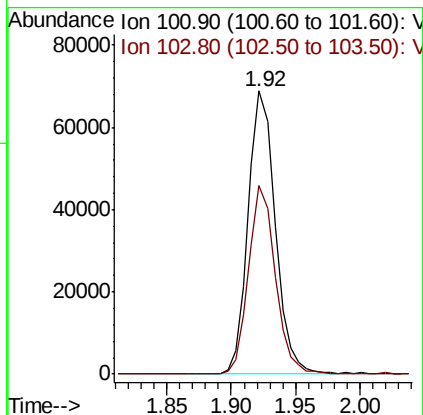
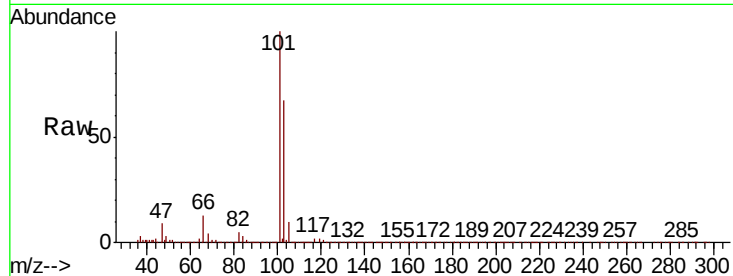


#7

Trichlorofluoromethane
 Concen: 23.870 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. 0.00 min
 Lab File: VX011735.D
 Acq: 21 Aug 2019 16:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0821WBSD01

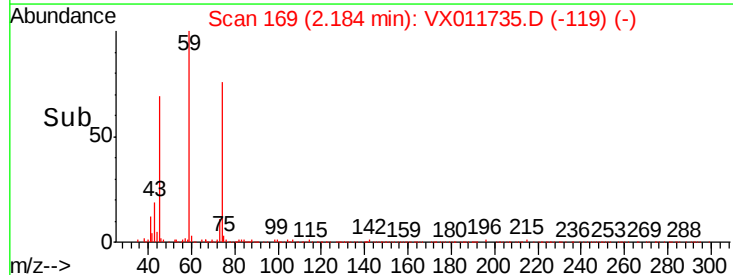
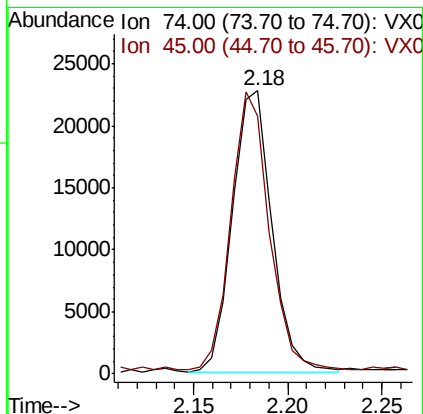
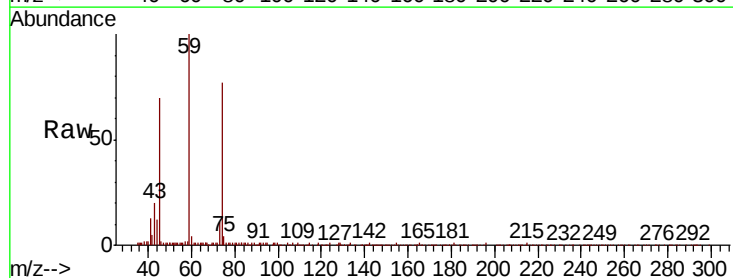
Tgt Ion:101 Resp: 99223
 Ion Ratio Lower Upper
 101 100
 103 66.4 52.9 79.3

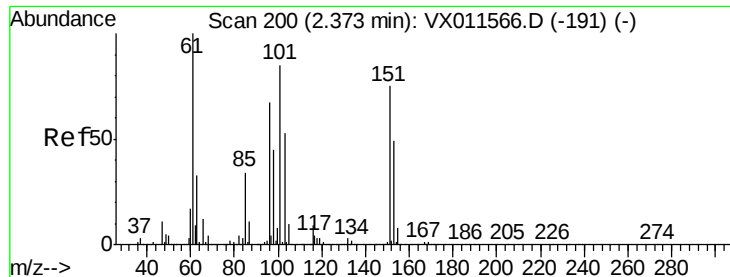


#8

Diethyl Ether
 Concen: 23.171 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. 0.01 min
 Lab File: VX011735.D
 Acq: 21 Aug 2019 16:17

Tgt Ion: 74 Resp: 33039
 Ion Ratio Lower Upper
 74 100
 45 95.4 48.2 144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.298 ug/l

RT: 2.37 min Scan# 200

Delta R.T. 0.00 min

Lab File: VX011735.D

Acq: 21 Aug 2019 16:17

Instrument :

MSVOA_X

ClientSampleId :

VX0821WBSD01

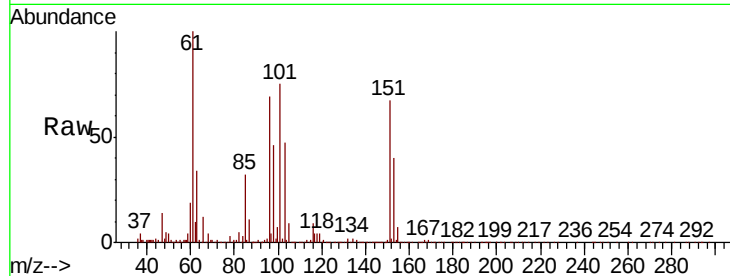
Tgt Ion:101 Resp: 61148

Ion Ratio Lower Upper

101 100

85 42.9 33.0 49.4

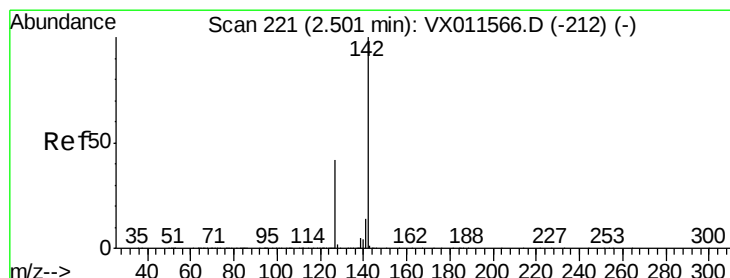
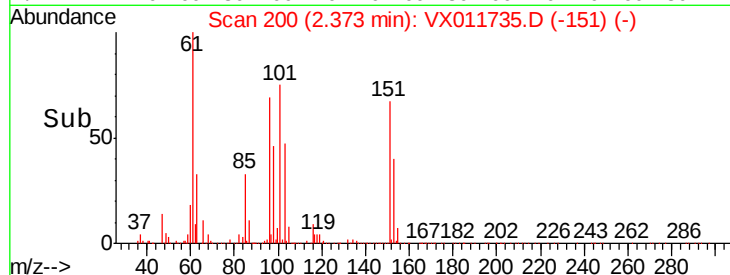
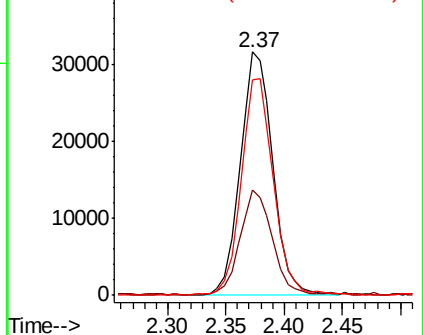
151 89.4 73.3 109.9



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: 12.623 ug/l

RT: 2.50 min Scan# 221

Delta R.T. 0.00 min

Lab File: VX011735.D

Acq: 21 Aug 2019 16:17

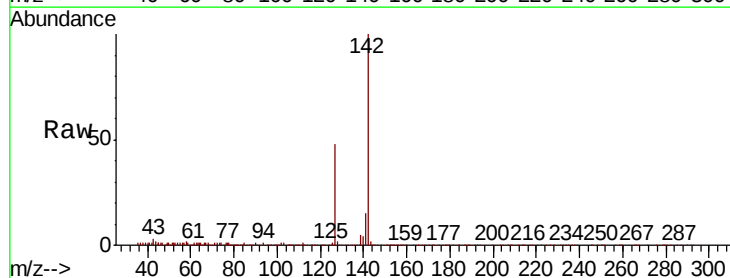
Tgt Ion:142 Resp: 51630

Ion Ratio Lower Upper

142 100

127 45.9 32.8 49.2

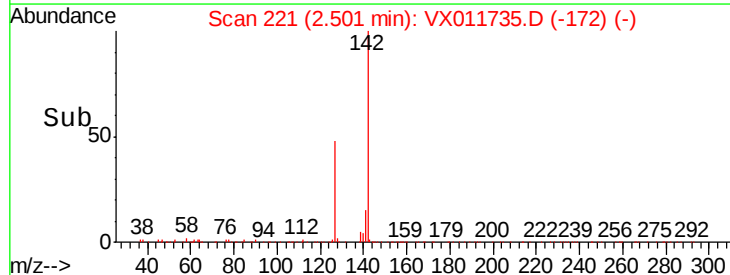
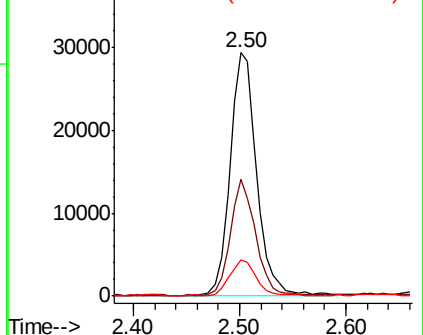
141 15.4 11.4 17.2

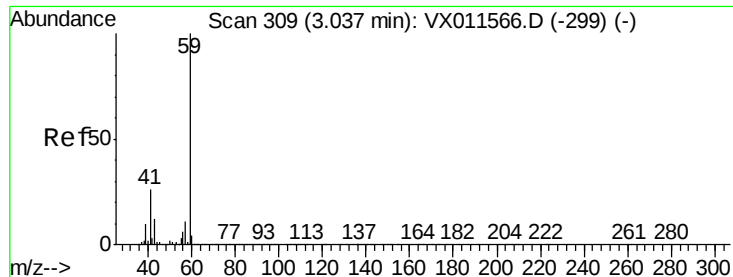


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

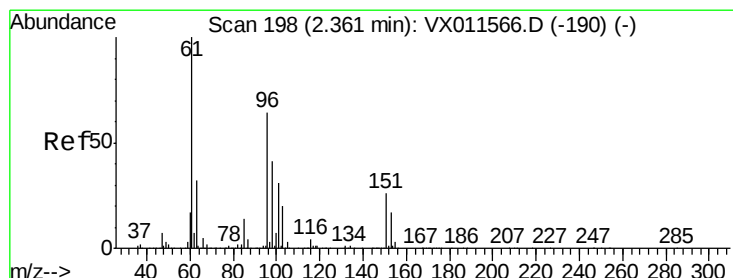
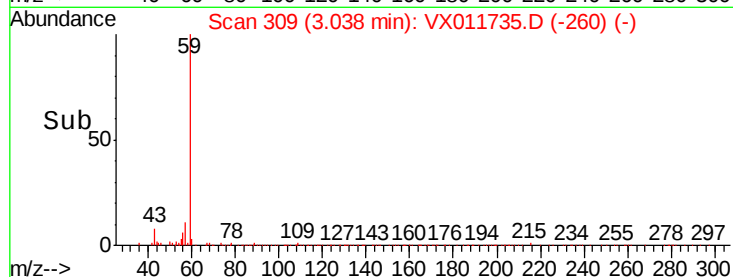
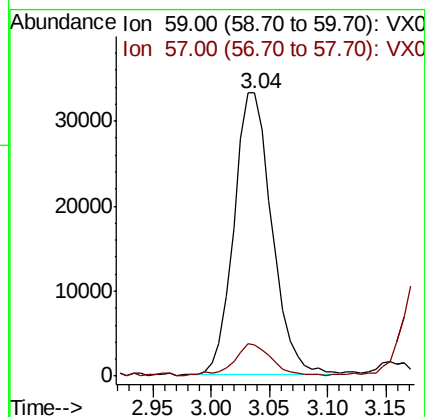
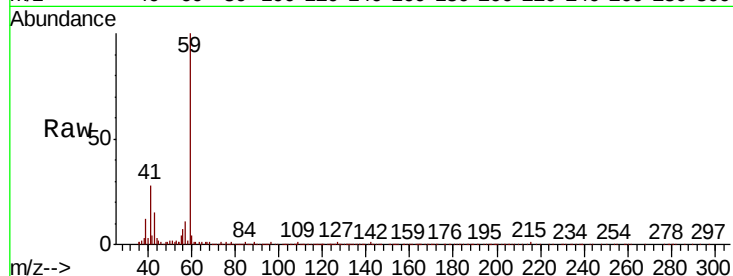




#11
Tert butyl alcohol
Concen: 100.851 ug/l
RT: 3.04 min Scan# 309
Delta R.T. 0.00 min
Lab File: VX011735.D
Acq: 21 Aug 2019 16:17

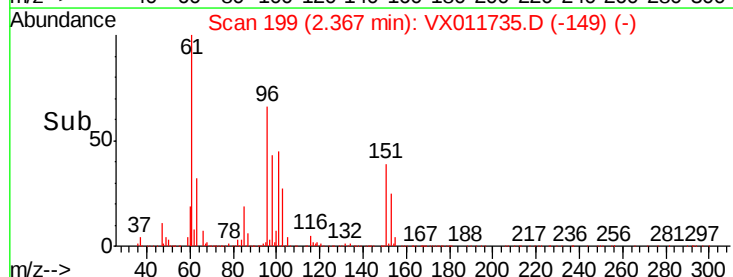
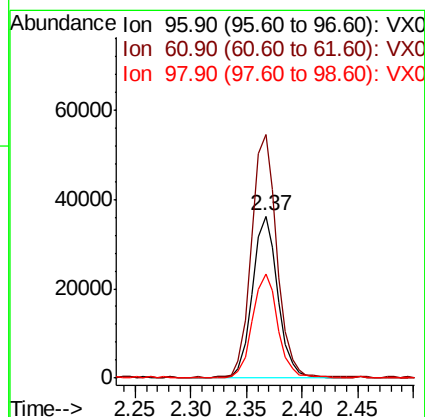
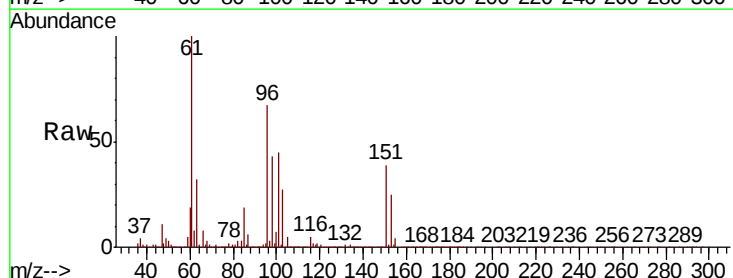
Instrument :
MSVOA_X
ClientSampleId :
VX0821WBSD01

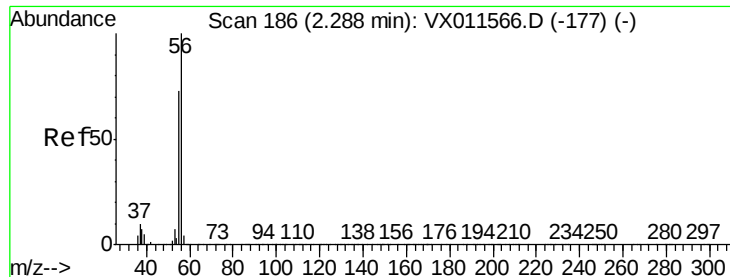
Tgt Ion: 59 Resp: 74664
Ion Ratio Lower Upper
59 100
57 10.7 8.7 13.1



#12
1,1-Dichloroethene
Concen: 20.492 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.01 min
Lab File: VX011735.D
Acq: 21 Aug 2019 16:17

Tgt Ion: 96 Resp: 56859
Ion Ratio Lower Upper
96 100
61 149.9 125.0 187.4
98 64.0 51.5 77.3





#13

Acrolein

Concen: 103.836 ug/l

RT: 2.29 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX011735.D

Acq: 21 Aug 2019 16:17

Instrument :

MSVOA_X

ClientSampleId :

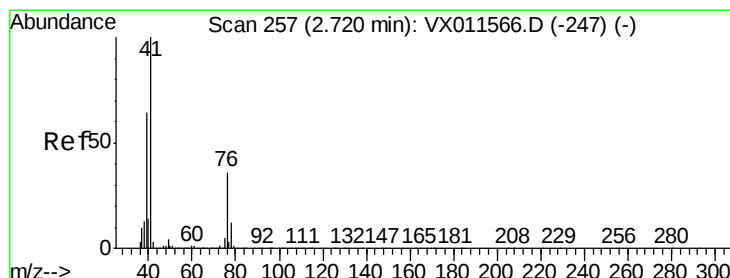
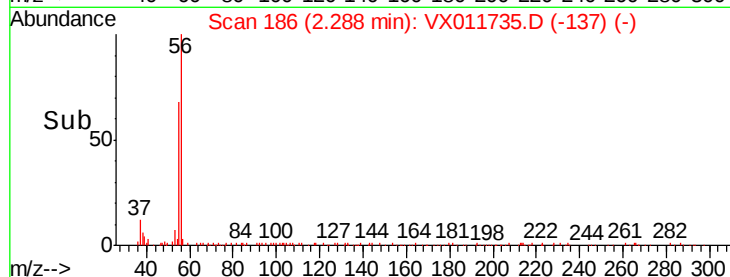
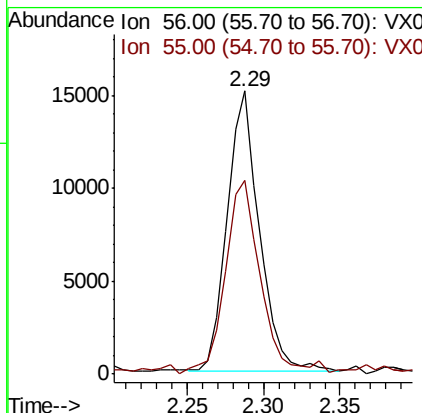
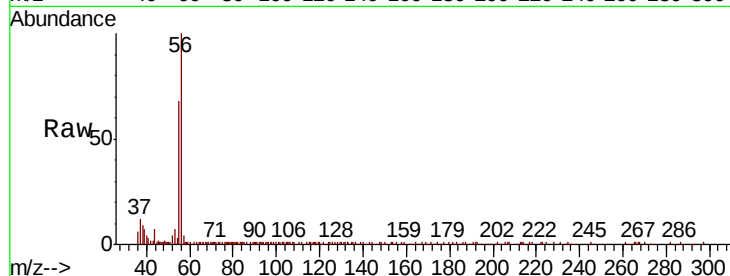
VX0821WBSD01

Tgt Ion: 56 Resp: 21948

Ion Ratio Lower Upper

56 100

55 76.8 55.5 83.3



#14

Allyl chloride

Concen: 19.167 ug/l

RT: 2.72 min Scan# 257

Delta R.T. 0.00 min

Lab File: VX011735.D

Acq: 21 Aug 2019 16:17

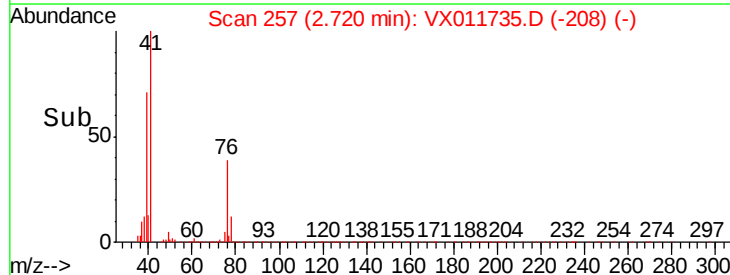
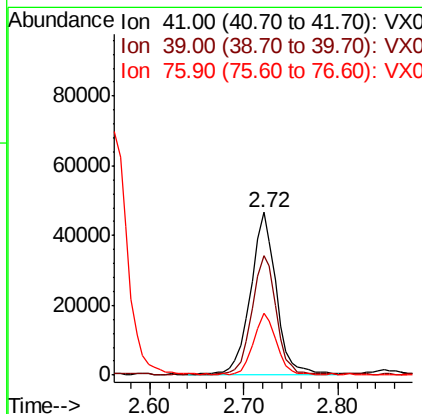
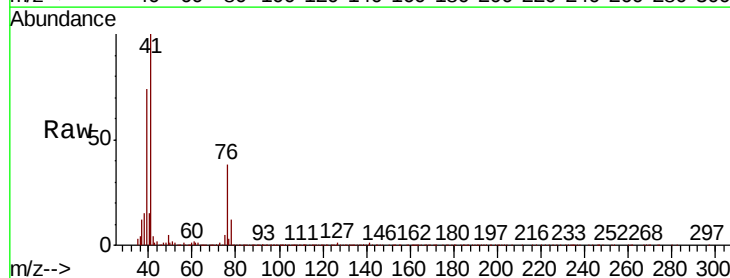
Tgt Ion: 41 Resp: 88467

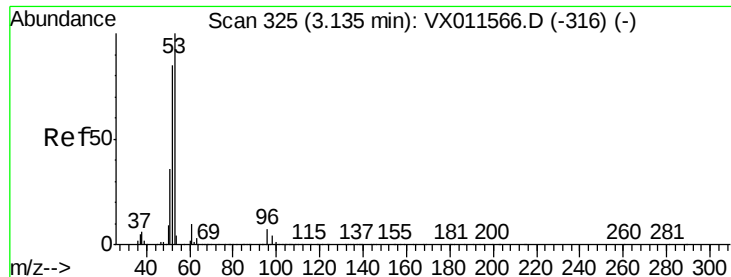
Ion Ratio Lower Upper

41 100

39 68.5 47.5 71.3

76 33.4 26.3 39.5





#15

Acrylonitrile

Concen: 103.385 ug/l

RT: 3.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX011735.D

Acq: 21 Aug 2019 16:17

Instrument :

MSVOA_X

ClientSampleId :

VX0821WBSD01

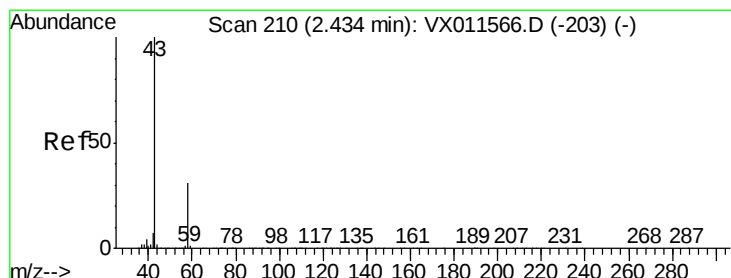
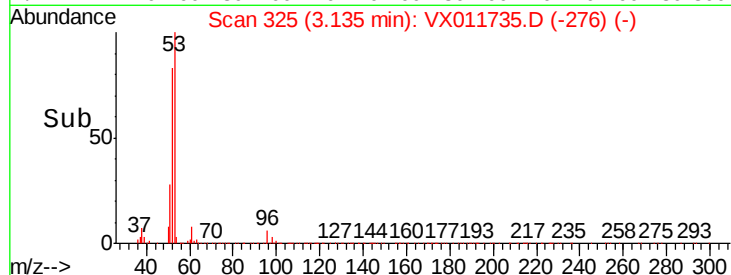
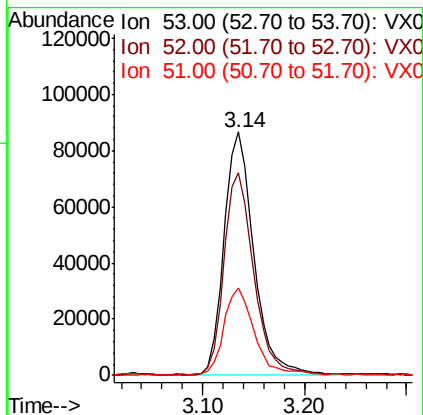
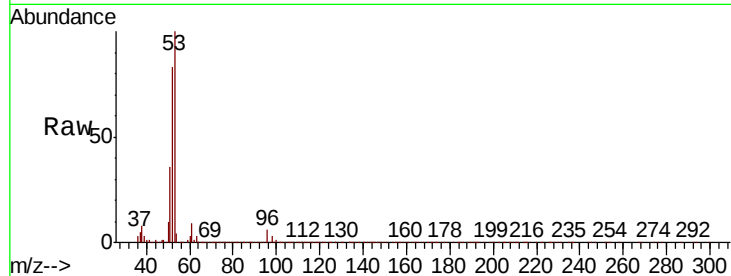
Tgt Ion: 53 Resp: 175177

Ion Ratio Lower Upper

53 100

52 83.8 66.7 100.1

51 36.6 28.7 43.1



#16

Acetone

Concen: 114.474 ug/l

RT: 2.43 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX011735.D

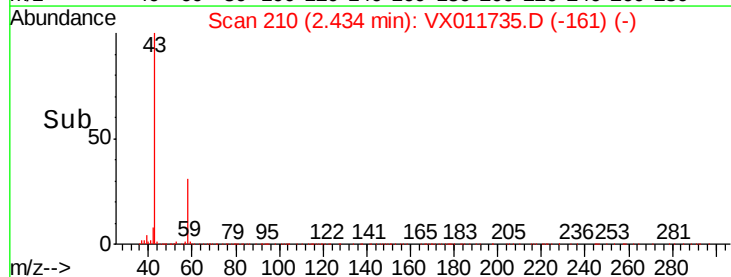
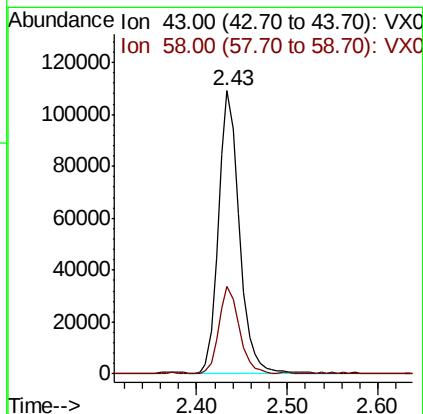
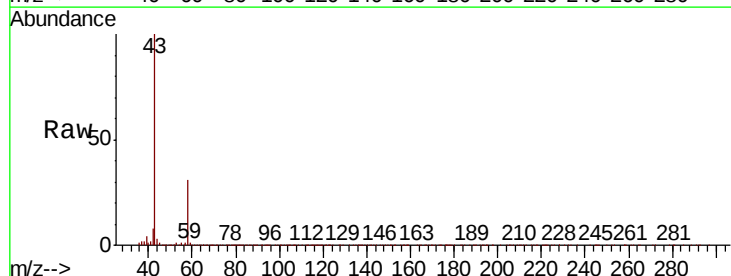
Acq: 21 Aug 2019 16:17

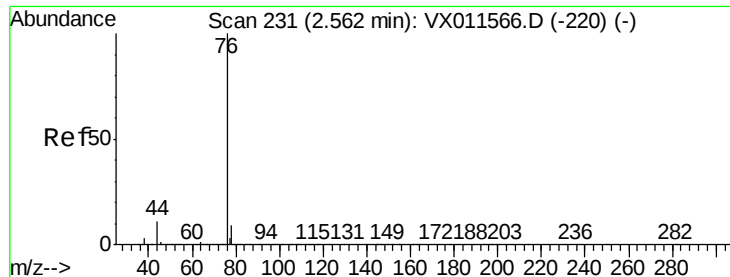
Tgt Ion: 43 Resp: 173701

Ion Ratio Lower Upper

43 100

58 30.7 25.2 37.8





#17

Carbon Disulfide

Concen: 18.286 ug/l

RT: 2.56 min Scan# 231

Delta R.T. 0.00 min

Lab File: VX011735.D

Acq: 21 Aug 2019 16:17

Instrument :

MSVOA_X

ClientSampleId :

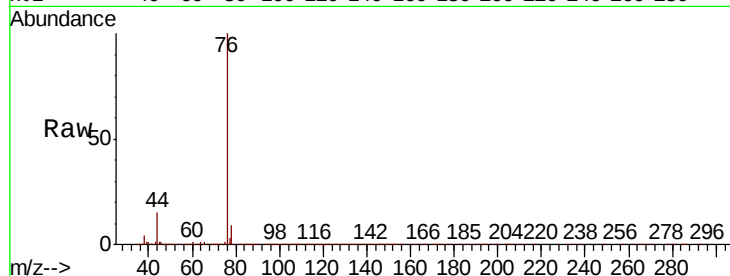
VX0821WBSD01

Tgt Ion: 76 Resp: 119558

Ion Ratio Lower Upper

76 100

78 8.4 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

80000

60000

40000

20000

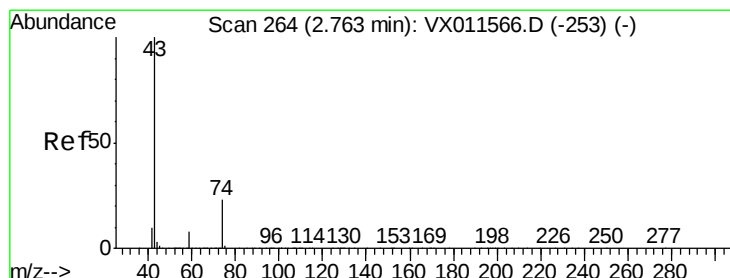
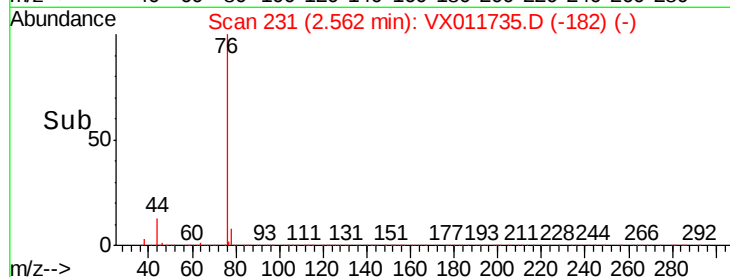
0

Time-->

2.50

2.60

2.70



#18

Methyl Acetate

Concen: 21.159 ug/l

RT: 2.76 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX011735.D

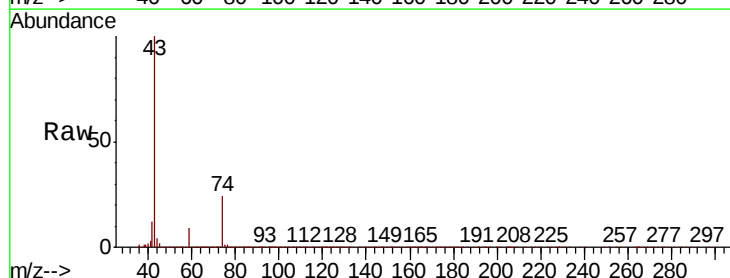
Acq: 21 Aug 2019 16:17

Tgt Ion: 43 Resp: 99573

Ion Ratio Lower Upper

43 100

74 24.5 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.76

60000

50000

40000

30000

20000

10000

0

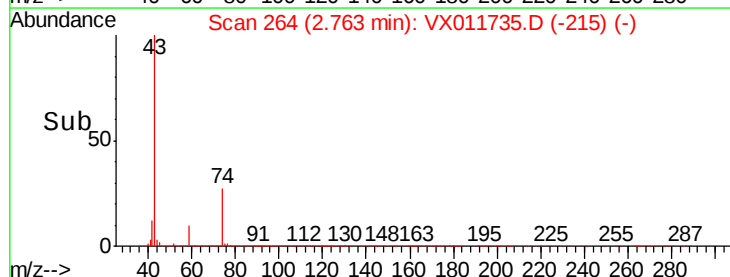
Time-->

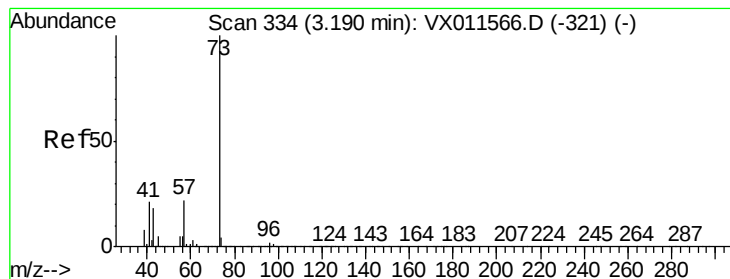
2.70

2.75

2.80

2.85



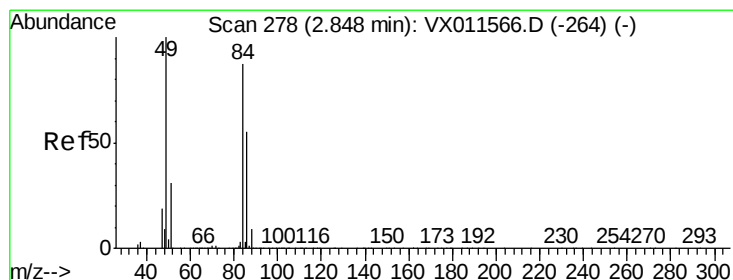
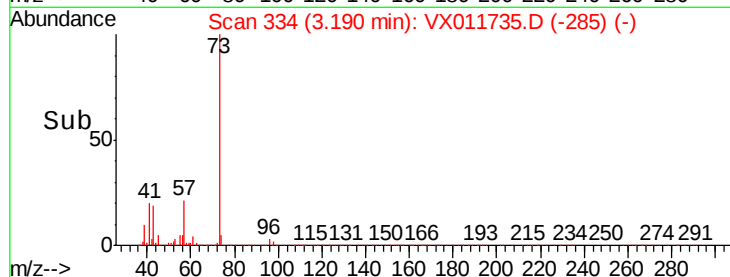
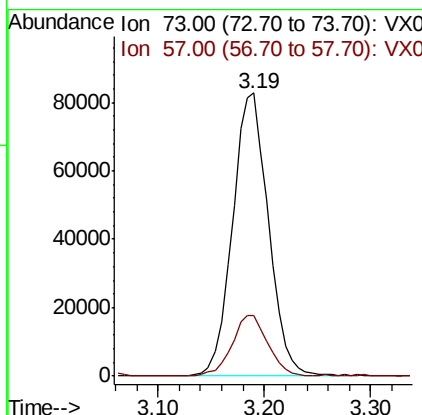
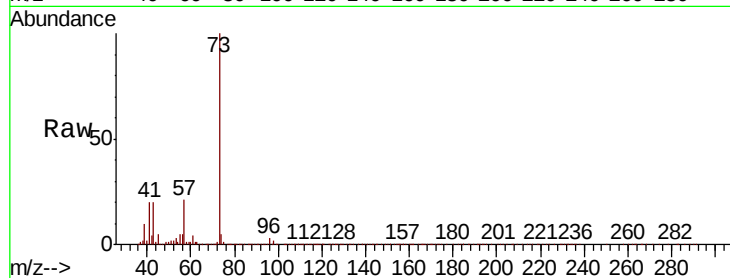


#19

Methyl tert-butyl Ether
 Concen: 21.481 ug/l
 RT: 3.19 min Scan# 334
 Delta R.T. 0.00 min
 Lab File: VX011735.D
 Acq: 21 Aug 2019 16:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0821WBSD01

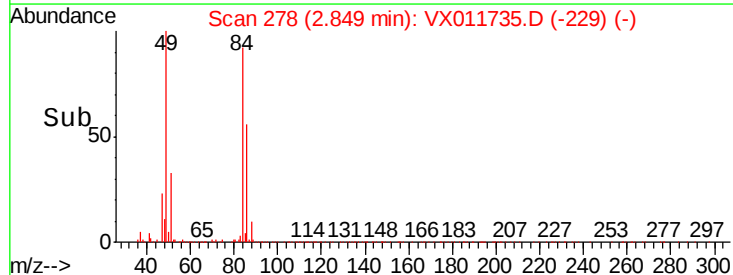
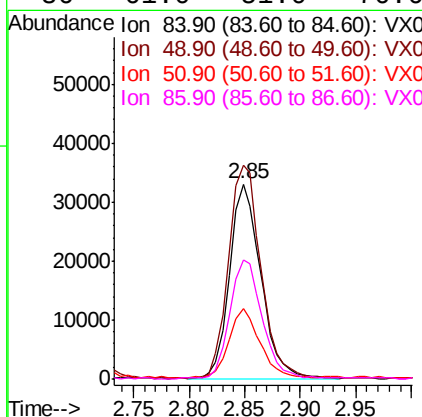
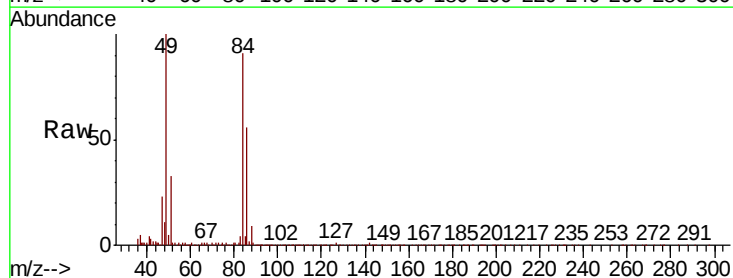
Tgt Ion: 73 Resp: 194113
 Ion Ratio Lower Upper
 73 100
 57 21.2 17.2 25.8

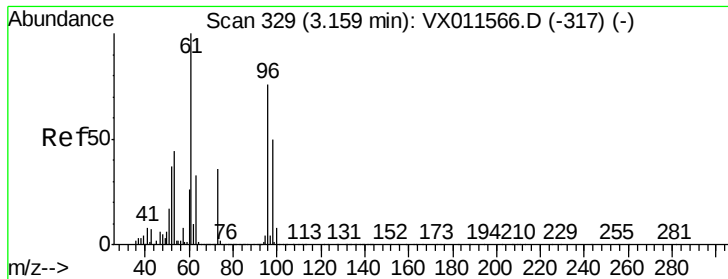


#20

Methylene Chloride
 Concen: 20.324 ug/l
 RT: 2.85 min Scan# 278
 Delta R.T. 0.00 min
 Lab File: VX011735.D
 Acq: 21 Aug 2019 16:17

Tgt Ion: 84 Resp: 64751
 Ion Ratio Lower Upper
 84 100
 49 109.2 92.4 138.6
 51 35.5 28.5 42.7
 86 61.0 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 20.440 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX011735.D

Acq: 21 Aug 2019 16:17

Instrument :

MSVOA_X

ClientSampleId :

VX0821WBSD01

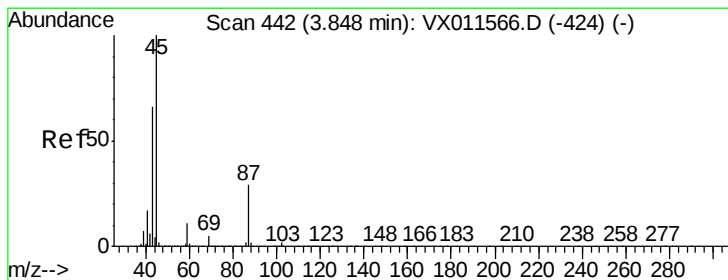
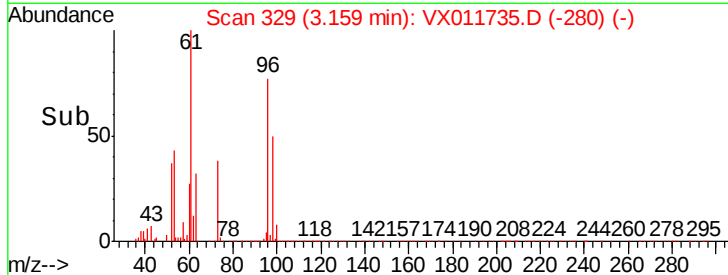
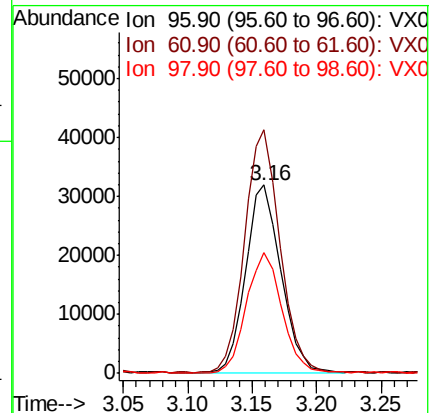
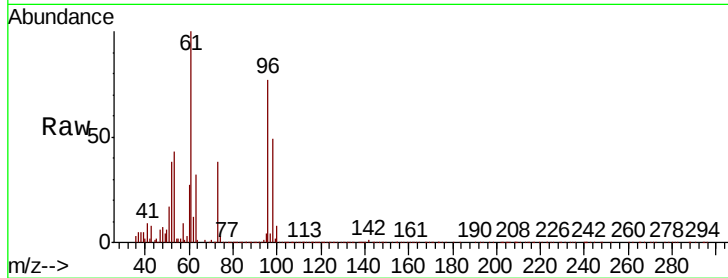
Tgt Ion: 96 Resp: 60100

Ion Ratio Lower Upper

96 100

61 129.9 105.5 158.3

98 63.9 52.6 78.8



#22

Diisopropyl ether

Concen: 20.409 ug/l

RT: 3.85 min Scan# 442

Delta R.T. 0.00 min

Lab File: VX011735.D

Acq: 21 Aug 2019 16:17

Tgt Ion: 45 Resp: 187599

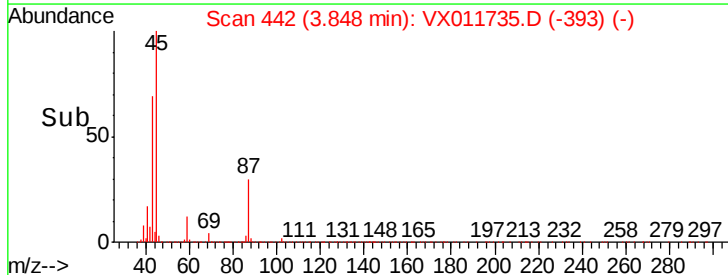
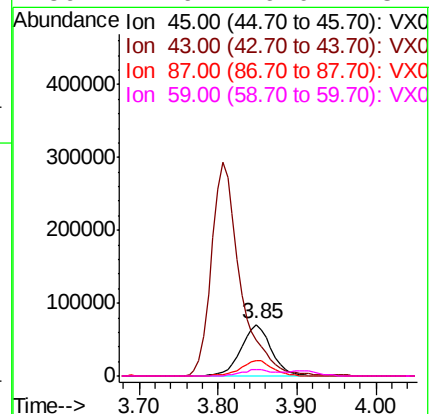
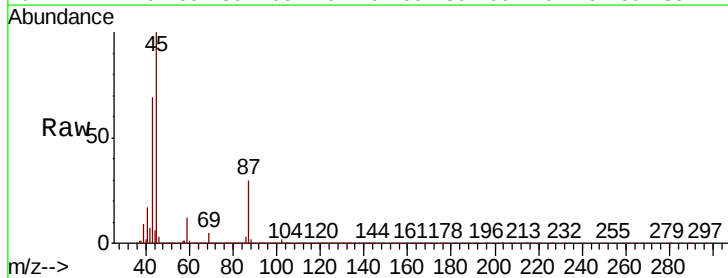
Ion Ratio Lower Upper

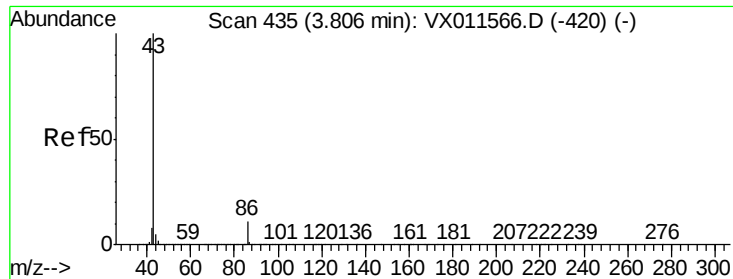
45 100

43 68.2 52.7 79.1

87 30.0 23.5 35.3

59 11.6 9.0 13.4





#23

Vinyl Acetate

Concen: 103.016 ug/l

RT: 3.81 min Scan# 435

Delta R.T. 0.00 min

Lab File: VX011735.D

Acq: 21 Aug 2019 16:17

Instrument :

MSVOA_X

ClientSampleId :

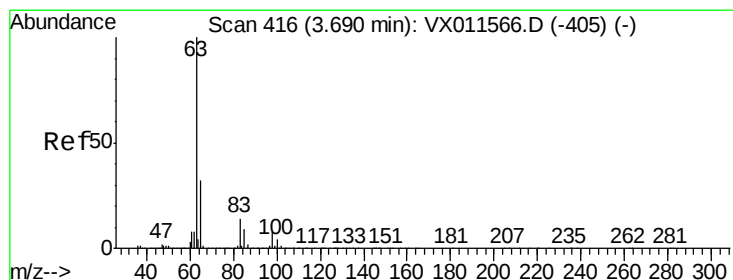
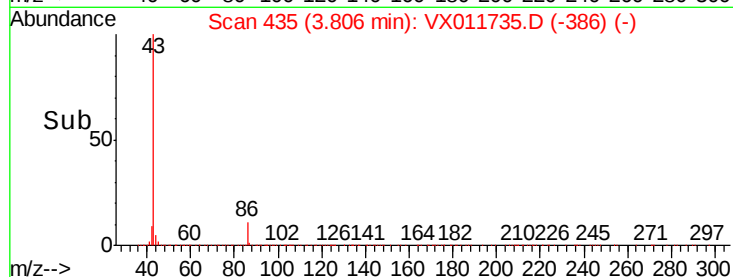
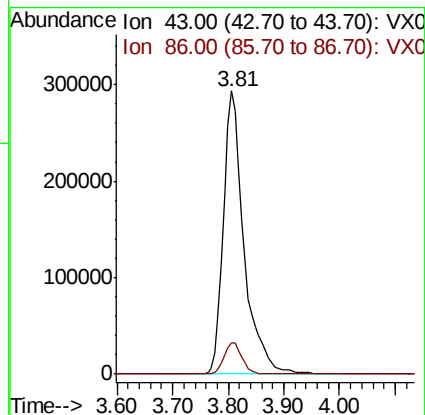
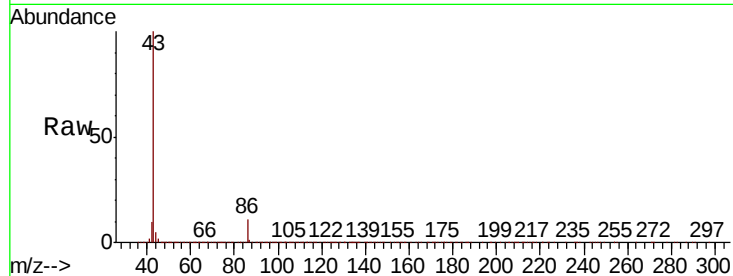
VX0821WBSD01

Tgt Ion: 43 Resp: 749834

Ion Ratio Lower Upper

43 100

86 11.1 8.6 13.0



#24

1,1-Dichloroethane

Concen: 20.687 ug/l

RT: 3.69 min Scan# 416

Delta R.T. 0.00 min

Lab File: VX011735.D

Acq: 21 Aug 2019 16:17

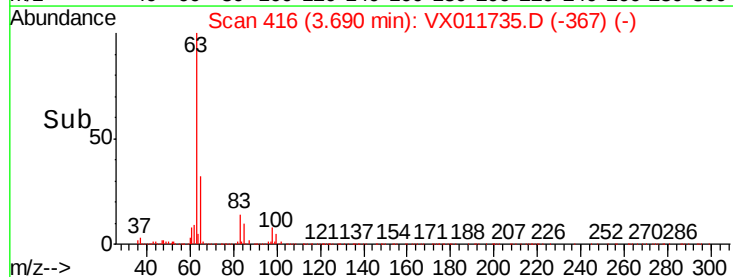
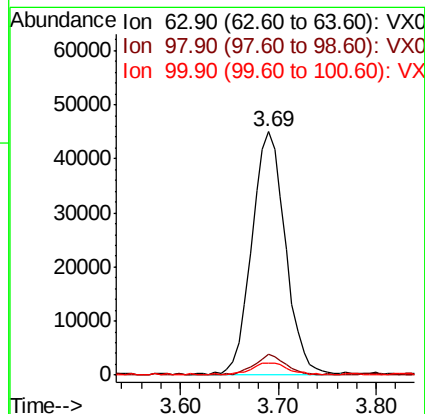
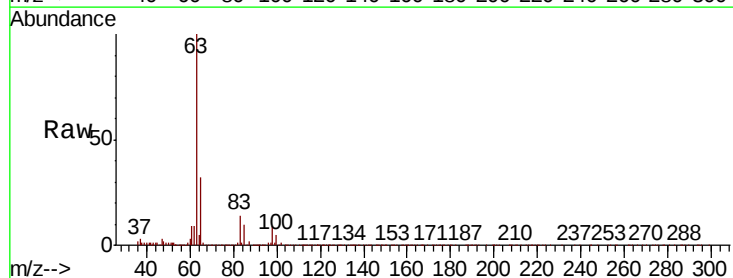
Tgt Ion: 63 Resp: 107512

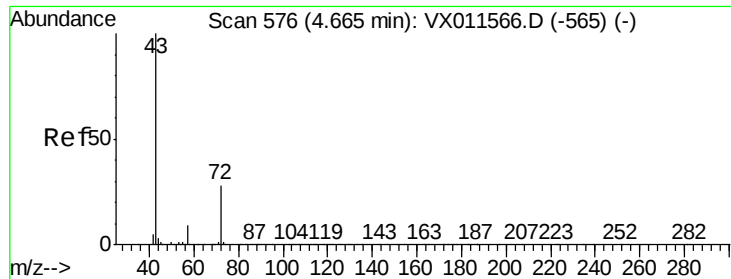
Ion Ratio Lower Upper

63 100

98 8.5 3.7 11.1

100 4.8 2.1 6.3





#25

2-Butanone

Concen: 105.838 ug/l

RT: 4.67 min Scan# 576

Delta R.T. 0.00 min

Lab File: VX011735.D

Acq: 21 Aug 2019 16:17

Instrument :

MSVOA_X

ClientSampleId :

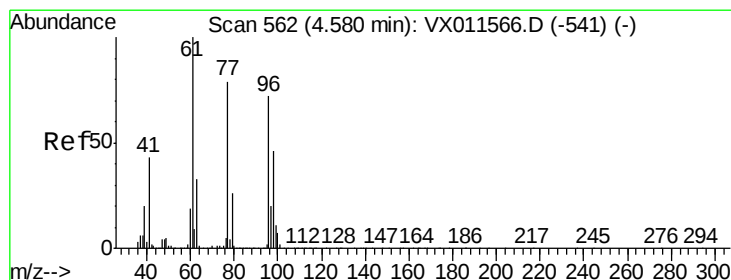
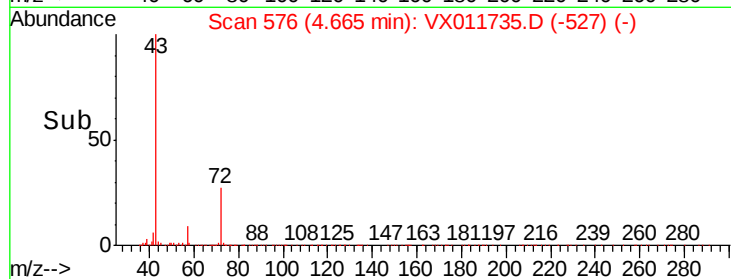
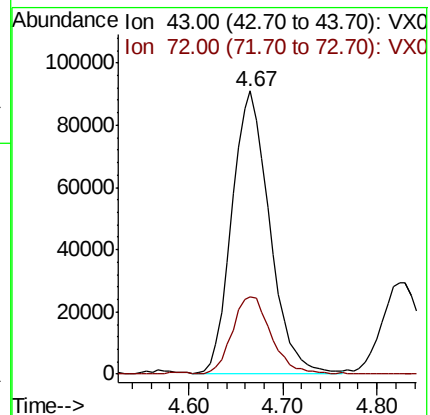
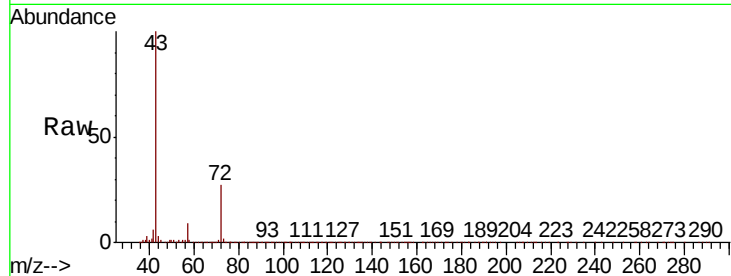
VX0821WBSD01

Tgt Ion: 43 Resp: 252122

Ion Ratio Lower Upper

43 100

72 27.2 22.2 33.4



#26

2,2-Dichloropropane

Concen: 22.955 ug/l

RT: 4.57 min Scan# 561

Delta R.T. -0.01 min

Lab File: VX011735.D

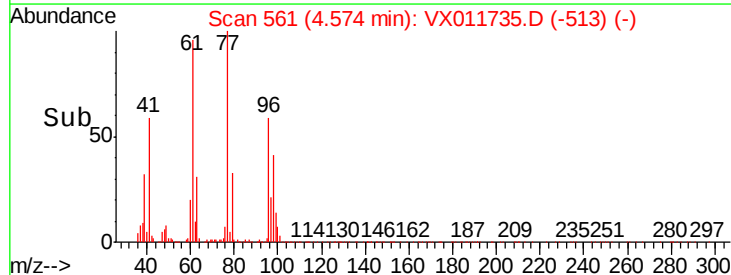
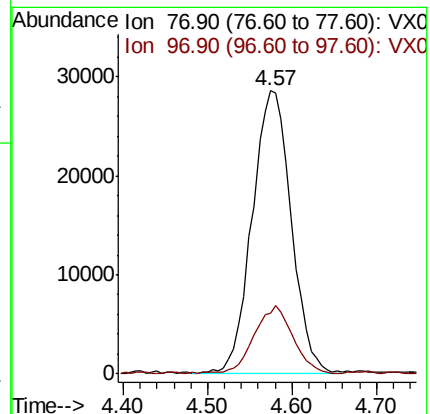
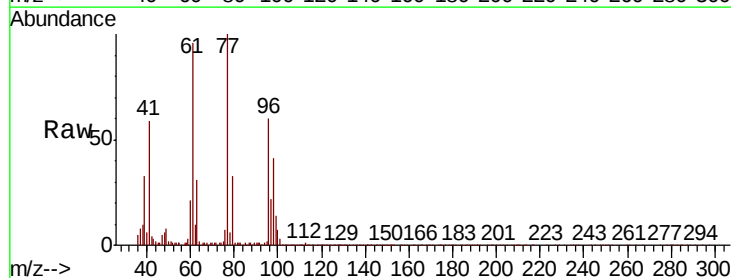
Acq: 21 Aug 2019 16:17

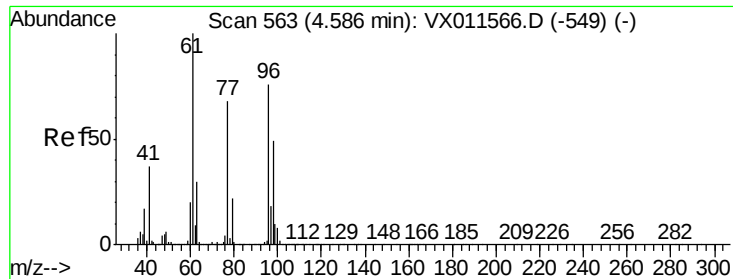
Tgt Ion: 77 Resp: 89787

Ion Ratio Lower Upper

77 100

97 24.3 12.4 37.2



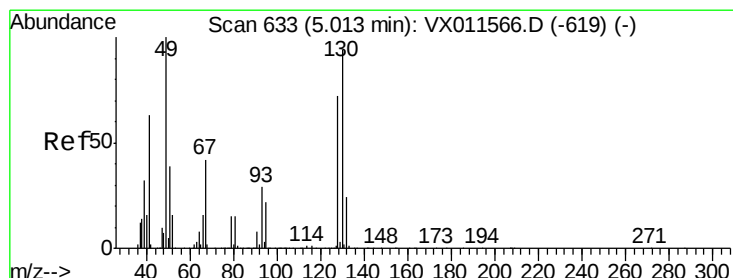
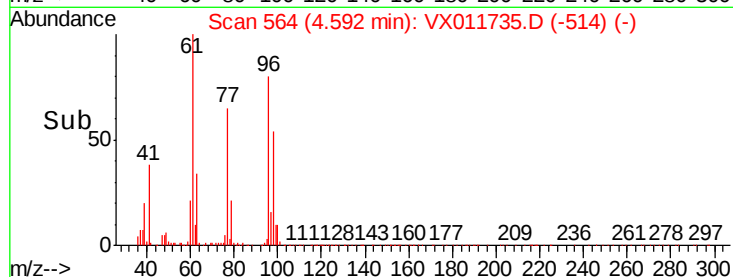
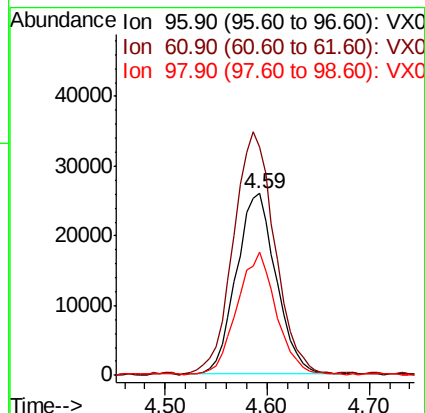
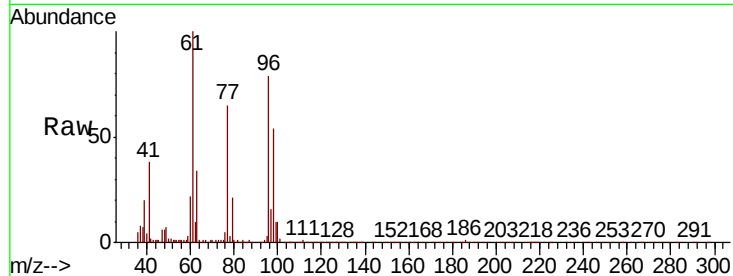


#27

cis-1,2-Dichloroethene
Concen: 20.391 ug/l
RT: 4.59 min Scan# 564
Delta R.T. 0.01 min
Lab File: VX011735.D
Acq: 21 Aug 2019 16:17

Instrument :
MSVOA_X
ClientSampleId :
VX0821WBSD01

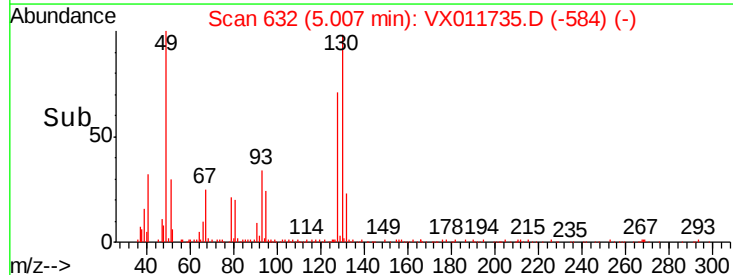
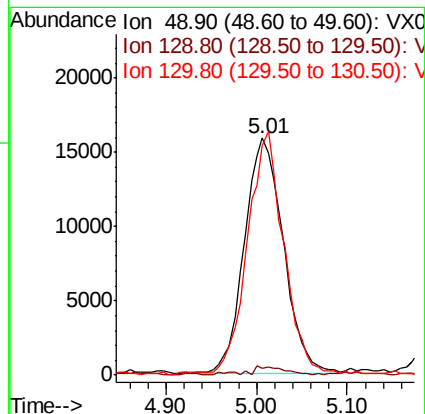
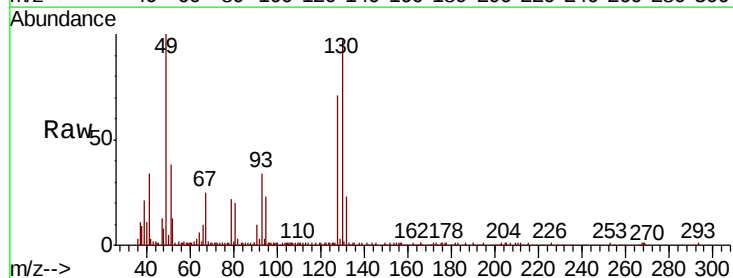
Tgt Ion: 96 Resp: 69893
Ion Ratio Lower Upper
96 100
61 140.7 0.0 272.6
98 67.1 0.0 129.4

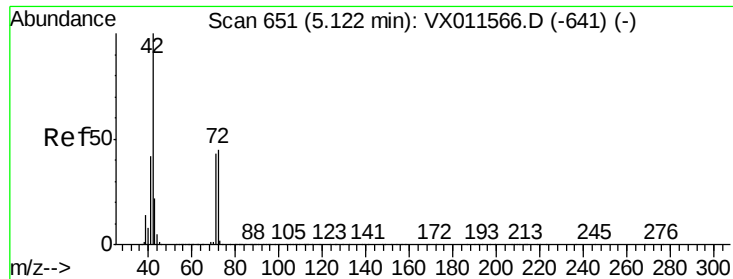


#28

Bromochloromethane
Concen: 20.605 ug/l
RT: 5.01 min Scan# 632
Delta R.T. -0.01 min
Lab File: VX011735.D
Acq: 21 Aug 2019 16:17

Tgt Ion: 49 Resp: 47008
Ion Ratio Lower Upper
49 100
129 3.0 0.0 5.0
130 93.8 76.6 115.0





#29

Tetrahydrofuran

Concen: 99.486 ug/l

RT: 5.12 min Scan# 651

Delta R.T. 0.00 min

Lab File: VX011735.D

Acq: 21 Aug 2019 16:17

Instrument :

MSVOA_X

ClientSampleId :

VX0821WBSD01

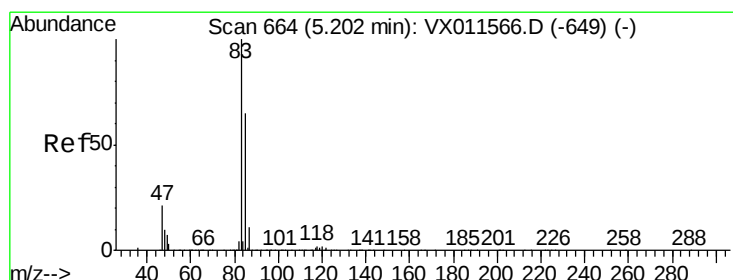
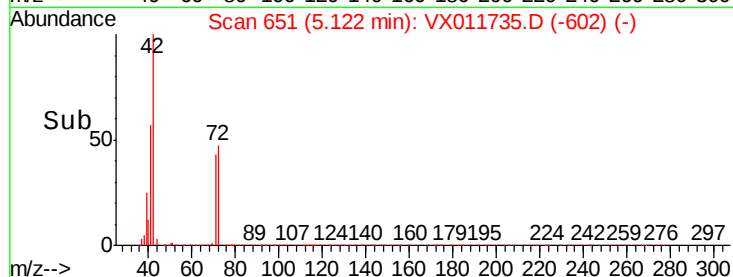
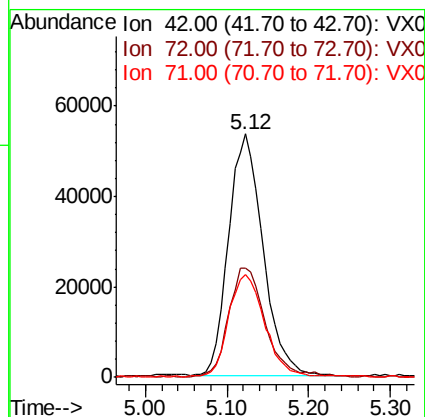
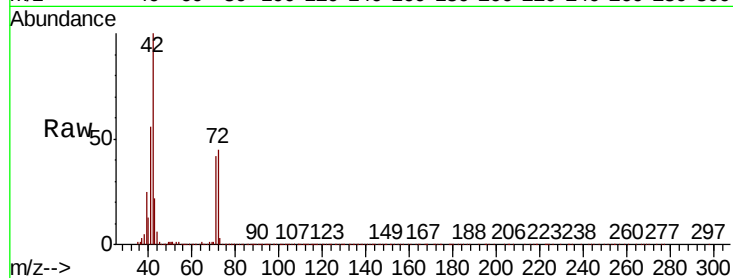
Tgt Ion: 42 Resp: 155459

Ion Ratio Lower Upper

42 100

72 48.3 36.1 54.1

71 45.2 33.8 50.8



#30

Chloroform

Concen: 21.883 ug/l

RT: 5.21 min Scan# 665

Delta R.T. 0.01 min

Lab File: VX011735.D

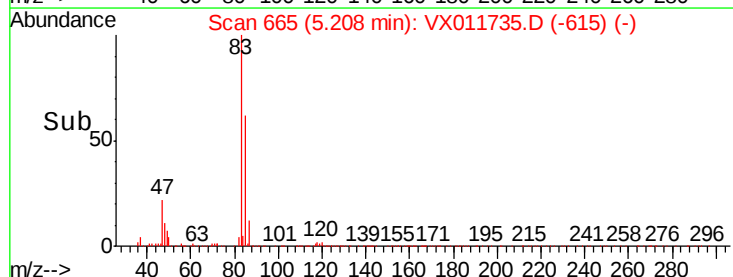
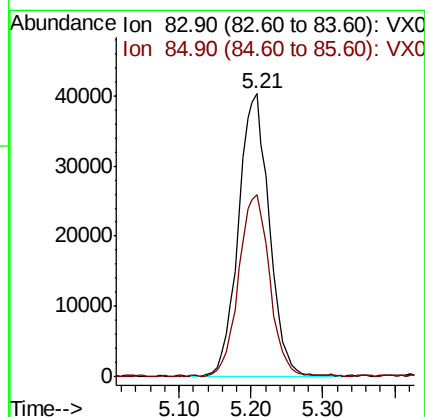
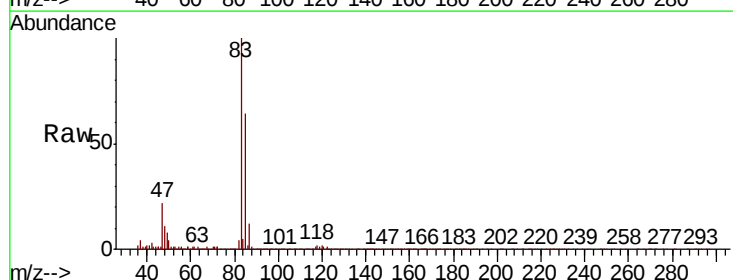
Acq: 21 Aug 2019 16:17

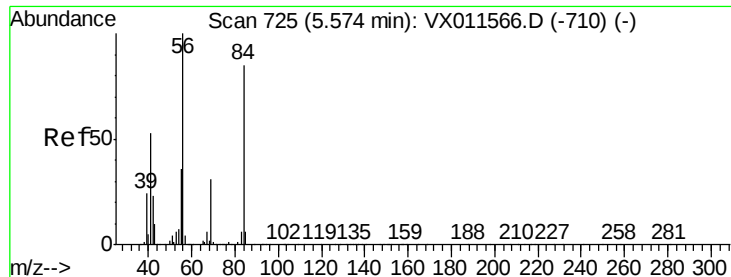
Tgt Ion: 83 Resp: 120021

Ion Ratio Lower Upper

83 100

85 64.0 51.9 77.9

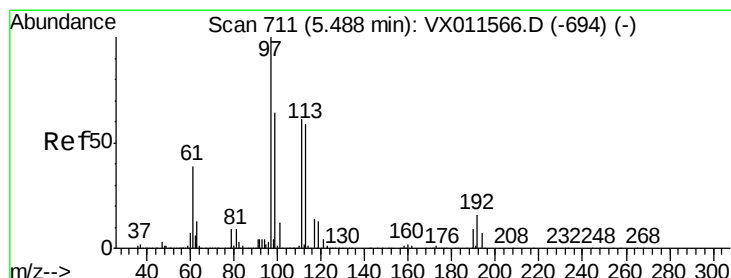
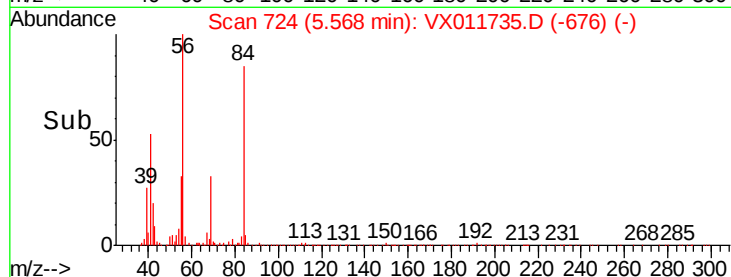
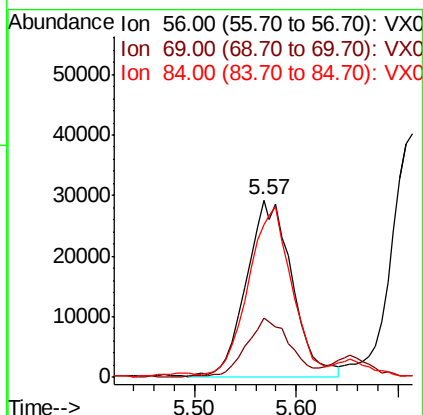
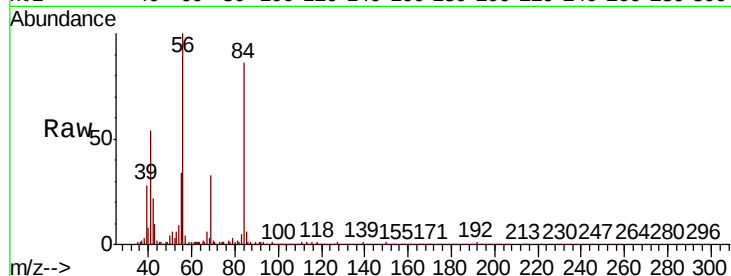




#31
Cyclohexane
Concen: 20.162 ug/l
RT: 5.57 min Scan# 724
Delta R.T. -0.01 min
Lab File: VX011735.D
Acq: 21 Aug 2019 16:17

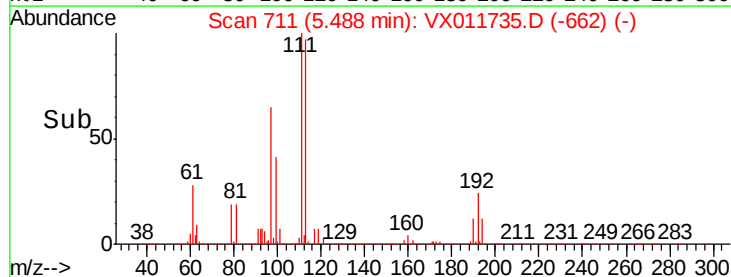
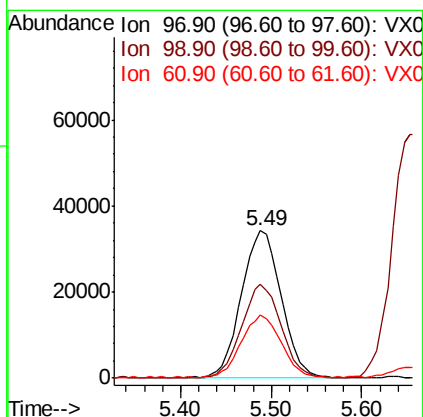
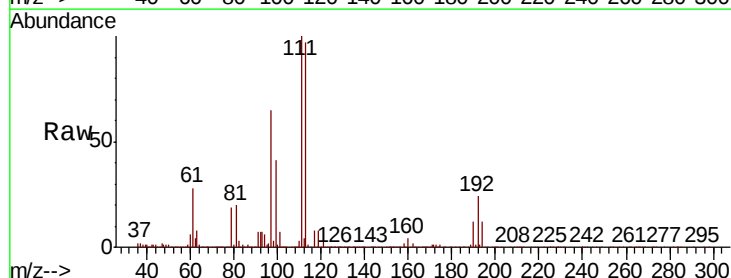
Instrument :
MSVOA_X
ClientSampleId :
VX0821WBSD01

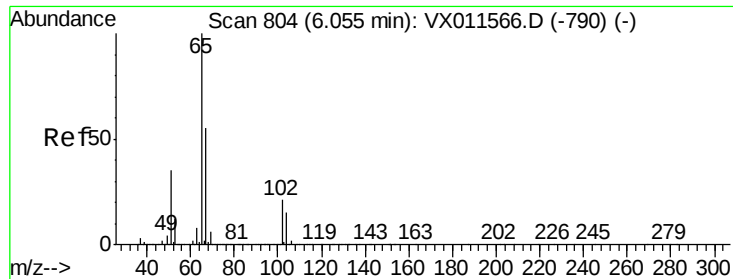
Tgt Ion: 56 Resp: 90217
Ion Ratio Lower Upper
56 100
69 32.7 24.8 37.2
84 84.3 67.9 101.9



#32
1,1,1-Trichloroethane
Concen: 21.918 ug/l
RT: 5.49 min Scan# 711
Delta R.T. 0.00 min
Lab File: VX011735.D
Acq: 21 Aug 2019 16:17

Tgt Ion: 97 Resp: 103363
Ion Ratio Lower Upper
97 100
99 63.8 51.4 77.0
61 42.4 31.4 47.2





#33

1,2-Dichloroethane-d4

Concen: 54.854 ug/l

RT: 6.06 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX011735.D

Acq: 21 Aug 2019 16:17

Instrument :

MSVOA_X

ClientSampleId :

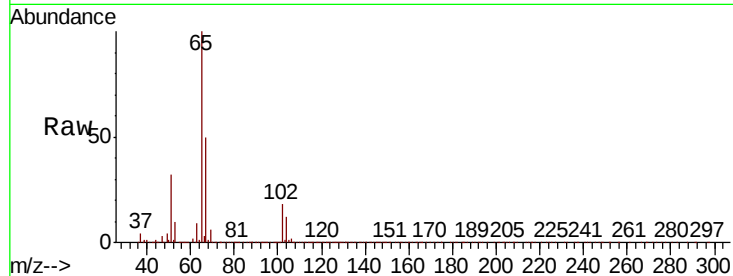
VX0821WBSD01

Tgt Ion: 65 Resp: 165535

Ion Ratio Lower Upper

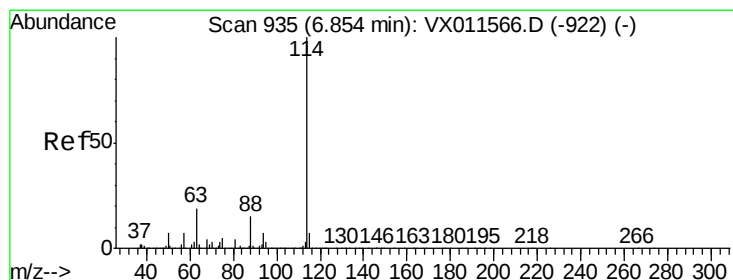
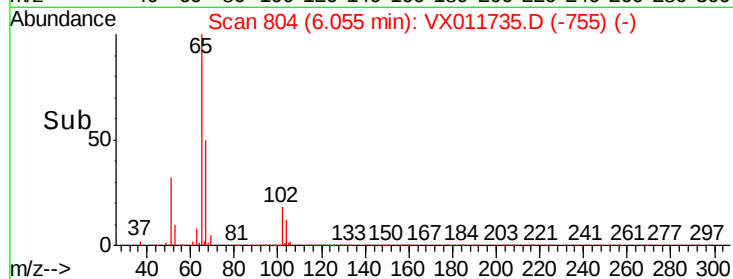
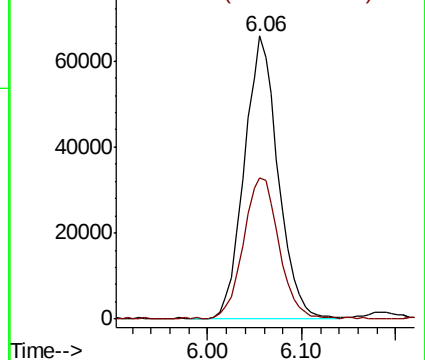
65 100

67 51.7 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: VX011735.D

Acq: 21 Aug 2019 16:17

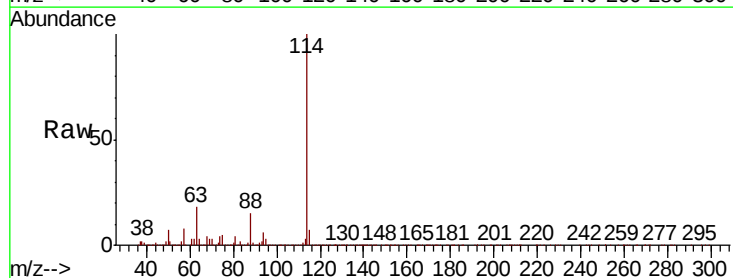
Tgt Ion: 114 Resp: 465043

Ion Ratio Lower Upper

114 100

63 17.8 0.0 37.8

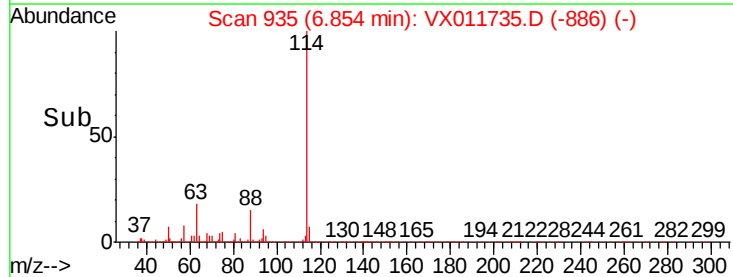
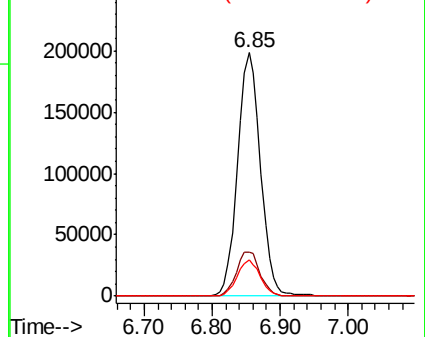
88 14.7 0.0 30.2

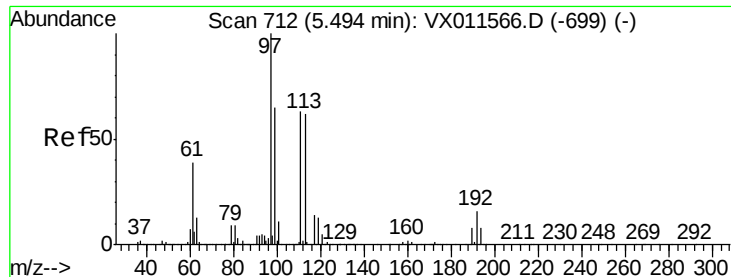


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.561 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX011735.D

Acq: 21 Aug 2019 16:17

Instrument :

MSVOA_X

ClientSampled :

VX0821WBSD01

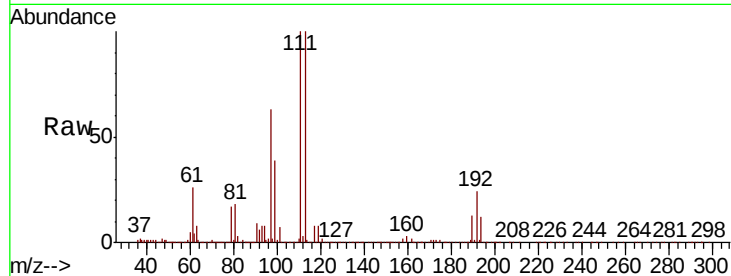
Tgt Ion: 113 Resp: 147706

Ion Ratio Lower Upper

113 100

111 102.3 81.1 121.7

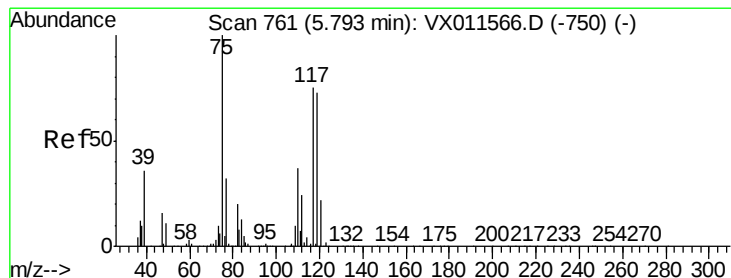
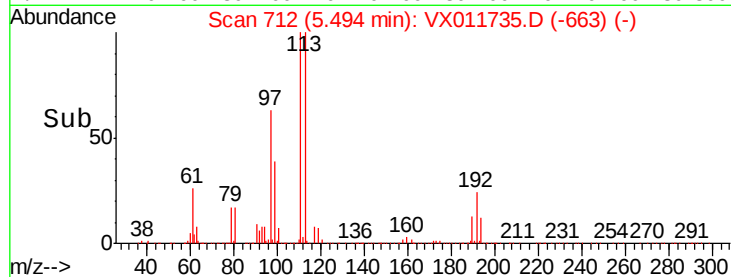
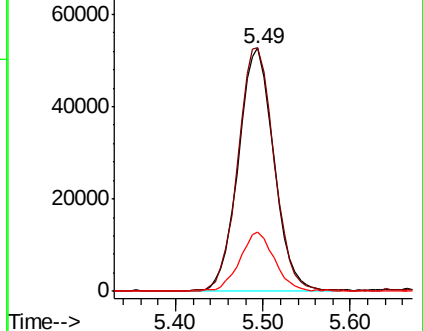
192 24.3 20.8 31.2



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: 20.243 ug/l

RT: 5.79 min Scan# 761

Delta R.T. 0.00 min

Lab File: VX011735.D

Acq: 21 Aug 2019 16:17

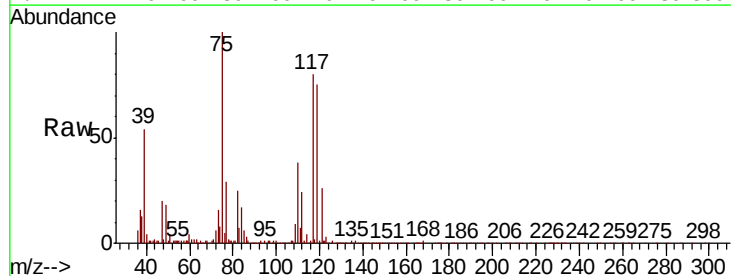
Tgt Ion: 75 Resp: 80486

Ion Ratio Lower Upper

75 100

110 38.0 19.4 58.1

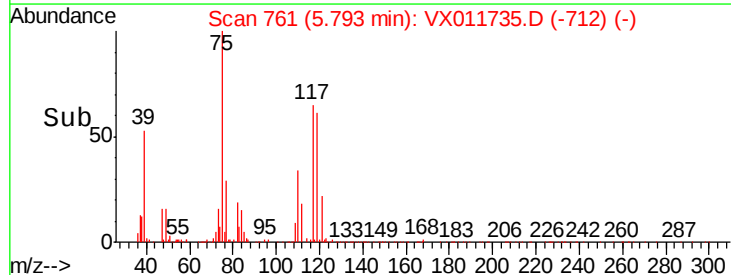
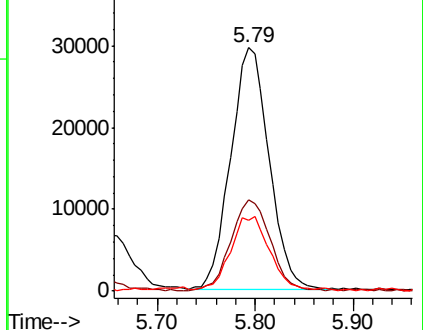
77 30.1 25.1 37.7

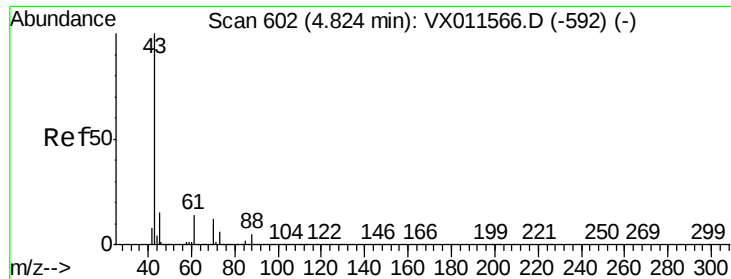


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

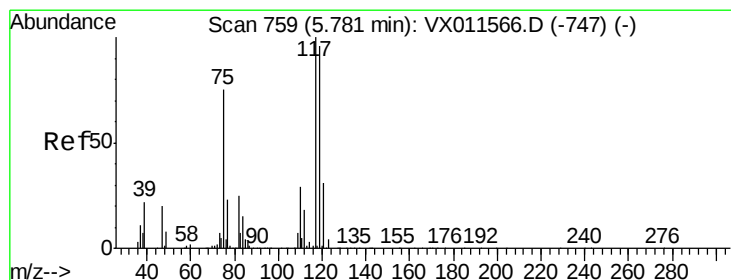
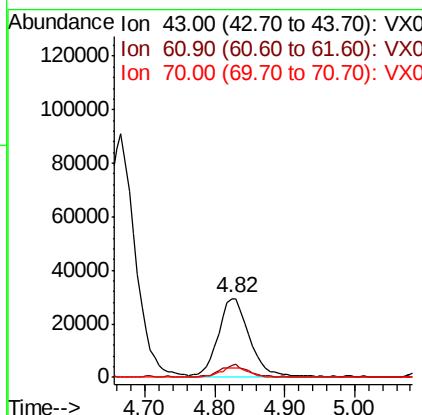
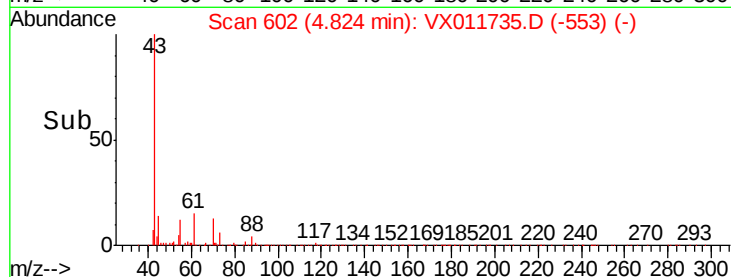
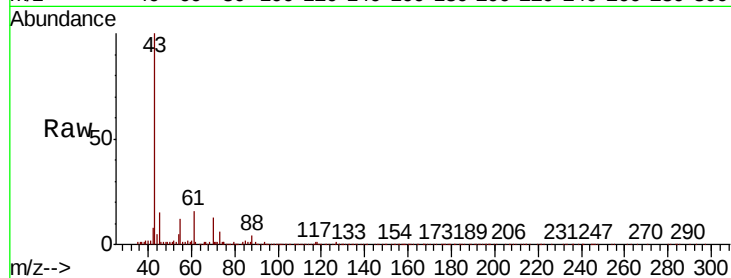




#37
Ethyl Acetate
Concen: 19.661 ug/l
RT: 4.82 min Scan# 602
Delta R.T. 0.00 min
Lab File: VX011735.D
Acq: 21 Aug 2019 16:17

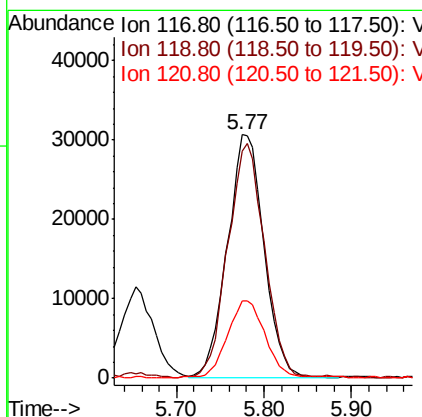
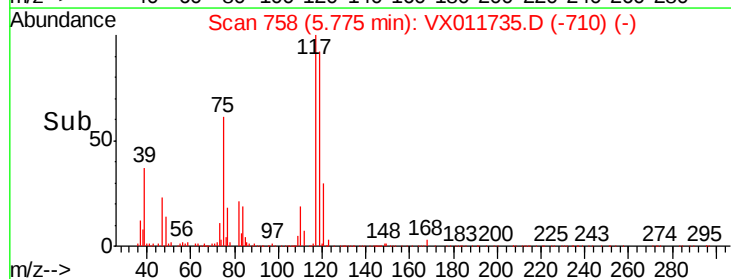
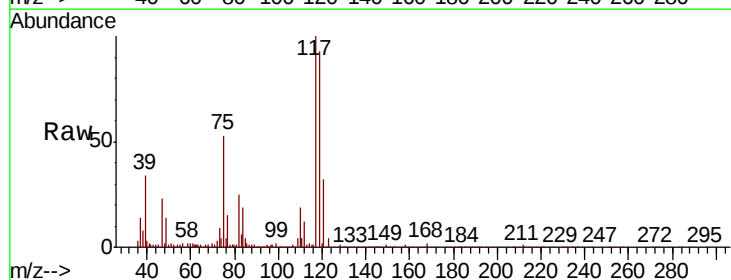
Instrument :
MSVOA_X
ClientSampleId :
VX0821WBSD01

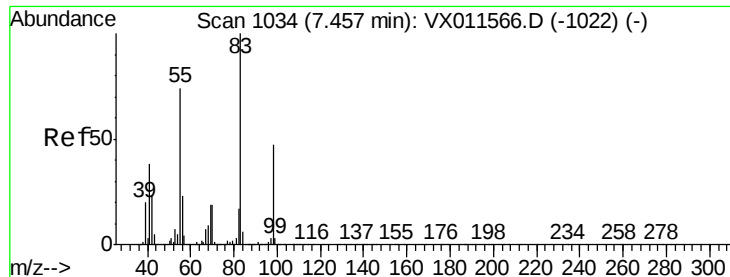
Tgt Ion: 43 Resp: 89912
Ion Ratio Lower Upper
43 100
61 13.6 11.4 17.0
70 11.7 9.0 13.6



#38
Carbon Tetrachloride
Concen: 20.205 ug/l
RT: 5.77 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX011735.D
Acq: 21 Aug 2019 16:17

Tgt Ion: 117 Resp: 88507
Ion Ratio Lower Upper
117 100
119 92.8 76.9 115.3
121 31.4 24.8 37.2

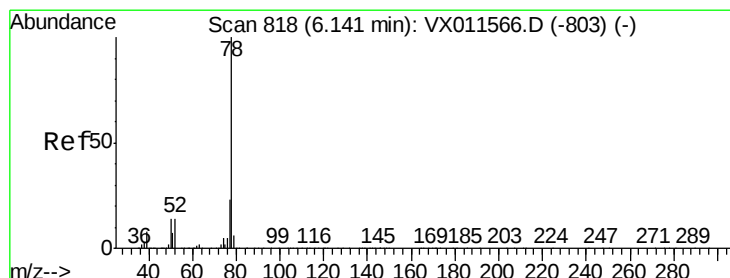
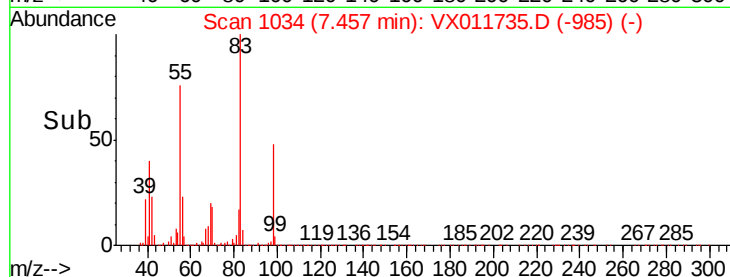
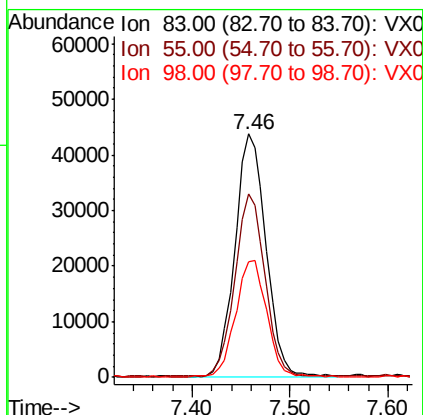
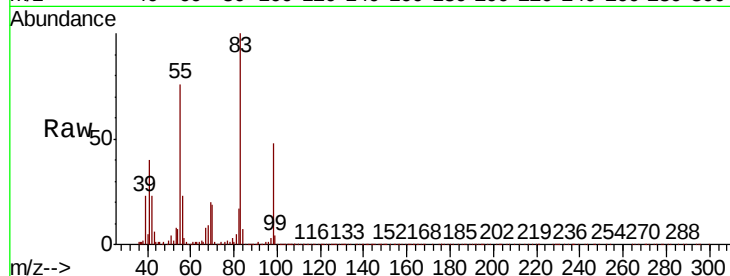




#39
Methylcyclohexane
Concen: 19.561 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX011735.D
Acq: 21 Aug 2019 16:17

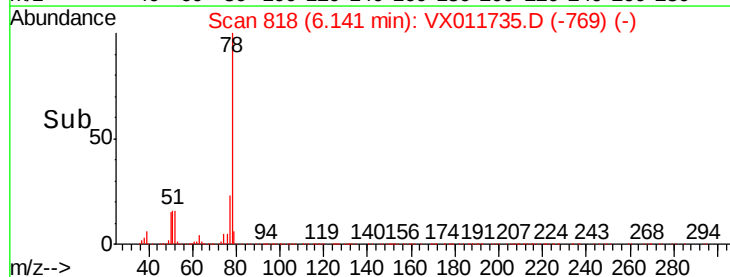
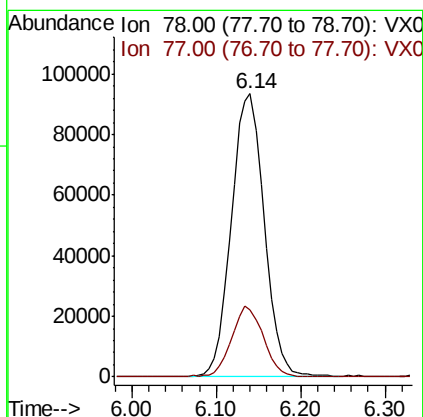
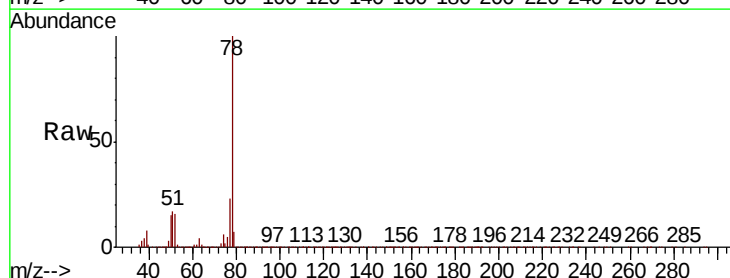
Instrument :
MSVOA_X
ClientSampleId :
VX0821WBSD01

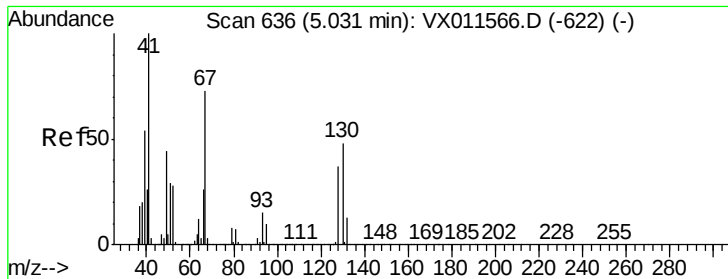
Tgt Ion	Ratio	Lower	Upper
83	100		
55	75.1	58.8	88.2
98	47.6	37.8	56.6



#40
Benzene
Concen: 19.909 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX011735.D
Acq: 21 Aug 2019 16:17

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.6	28.0

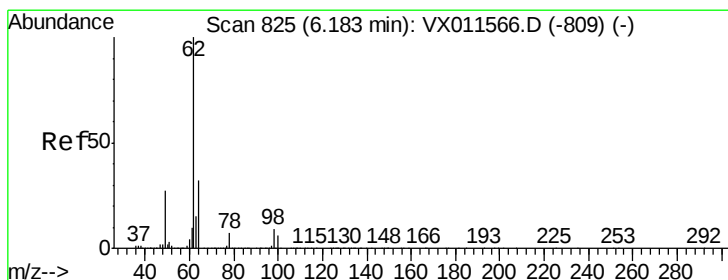
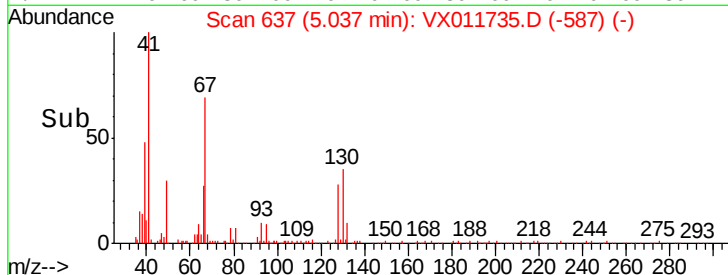
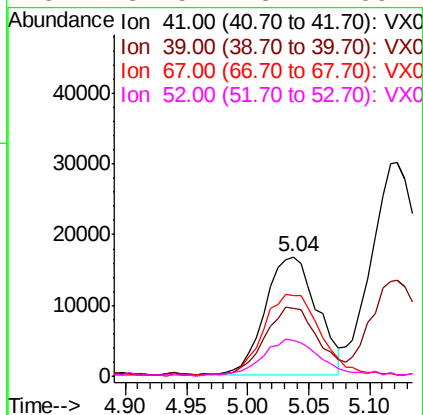
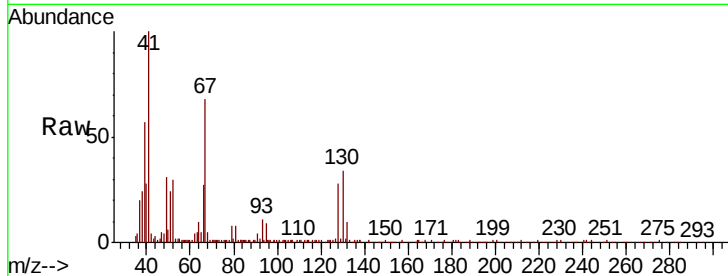




#41
Methacrylonitrile
Concen: 19.656 ug/l
RT: 5.04 min Scan# 637
Delta R.T. 0.01 min
Lab File: VX011735.D
Acq: 21 Aug 2019 16:17

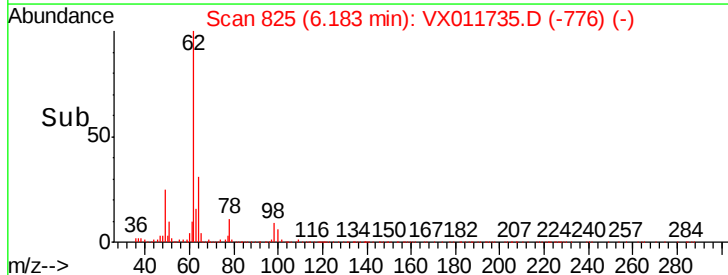
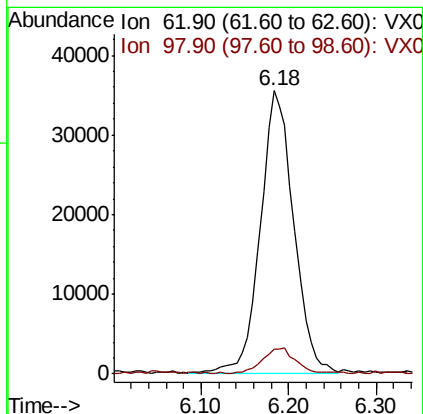
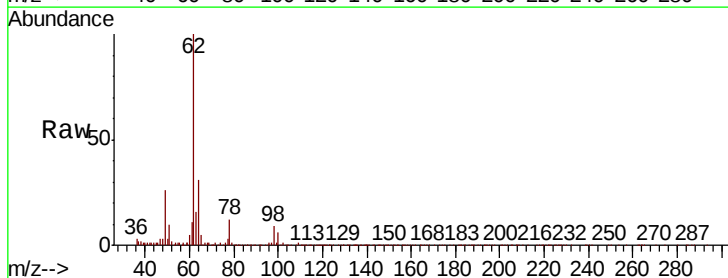
Instrument :
MSVOA_X
ClientSampleId :
VX0821WBSD01

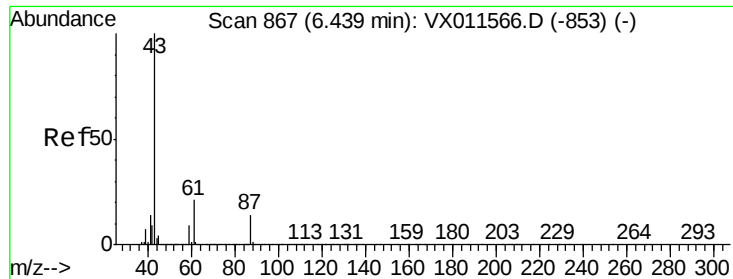
Tgt Ion:	41	Resp:	49473
Ion	Ratio	Lower	Upper
41	100		
39	57.6	43.5	65.3
67	75.6	59.4	89.2
52	34.5	23.4	35.2



#42
1,2-Dichloroethane
Concen: 21.873 ug/l
RT: 6.18 min Scan# 825
Delta R.T. 0.00 min
Lab File: VX011735.D
Acq: 21 Aug 2019 16:17

Tgt Ion:	62	Resp:	93636
Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	19.4





#43

Isopropyl Acetate

Concen: 19.580 ug/l

RT: 6.44 min Scan# 867

Delta R.T. 0.00 min

Lab File: VX011735.D

Acq: 21 Aug 2019 16:17

Instrument :

MSVOA_X

ClientSampled :

VX0821WBSD01

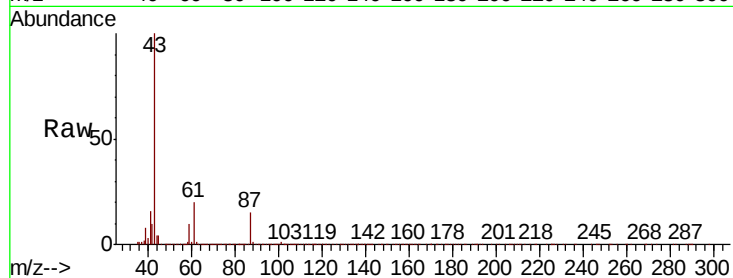
Tgt Ion: 43 Resp: 139743

Ion Ratio Lower Upper

43 100

61 20.6 16.6 24.8

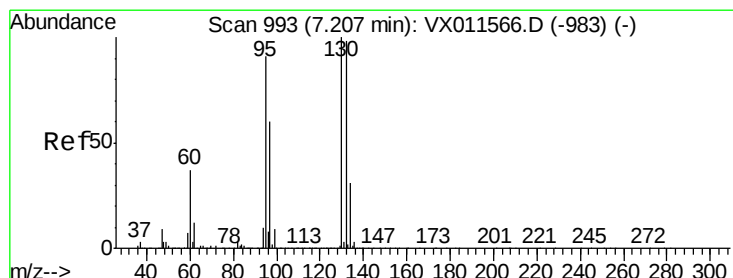
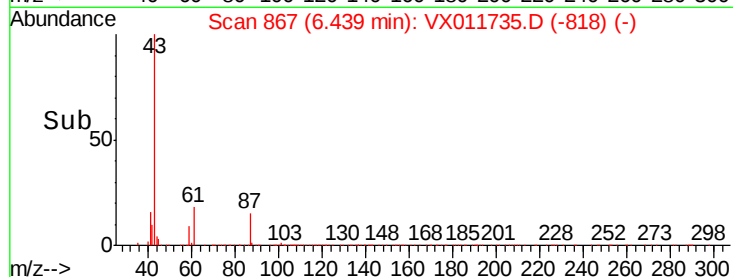
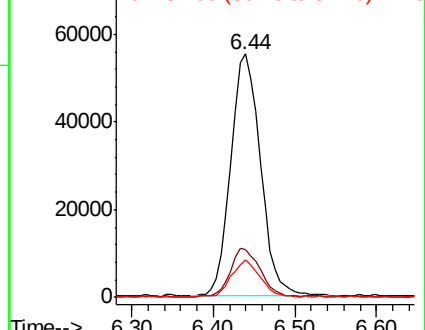
87 14.5 11.4 17.2



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: 20.293 ug/l

RT: 7.21 min Scan# 993

Delta R.T. 0.00 min

Lab File: VX011735.D

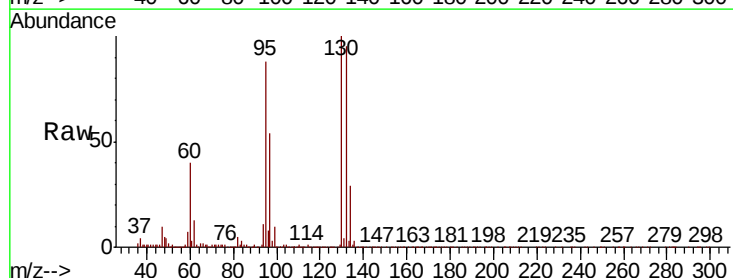
Acq: 21 Aug 2019 16:17

Tgt Ion: 130 Resp: 74384

Ion Ratio Lower Upper

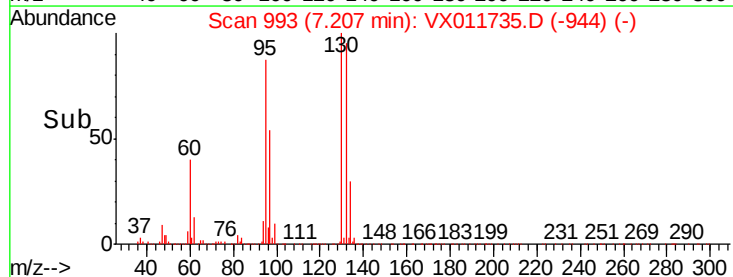
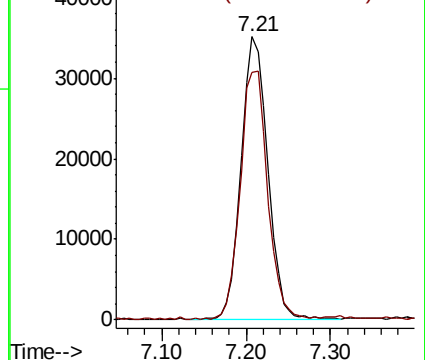
130 100

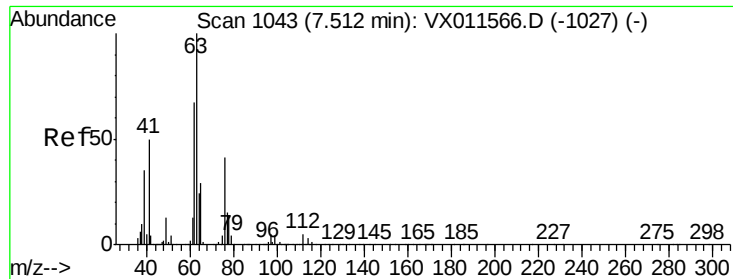
95 87.9 0.0 181.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 20.315 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX011735.D

Acq: 21 Aug 2019 16:17

Instrument :

MSVOA_X

ClientSampleId :

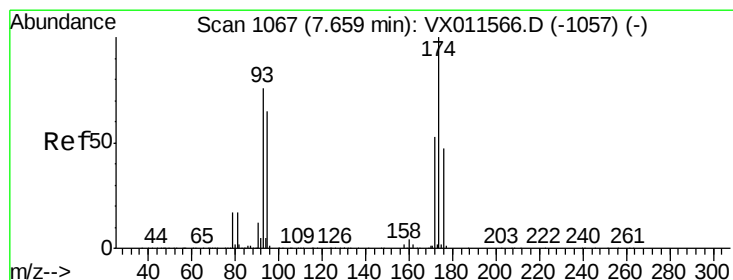
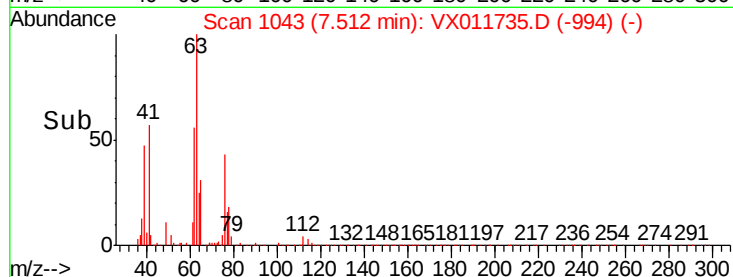
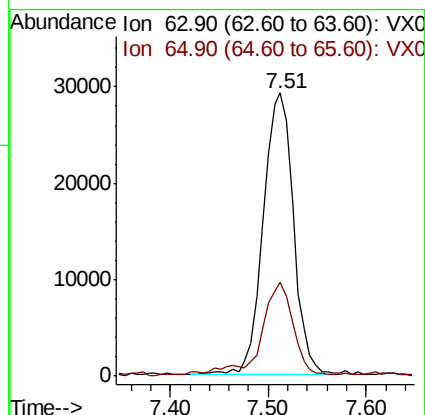
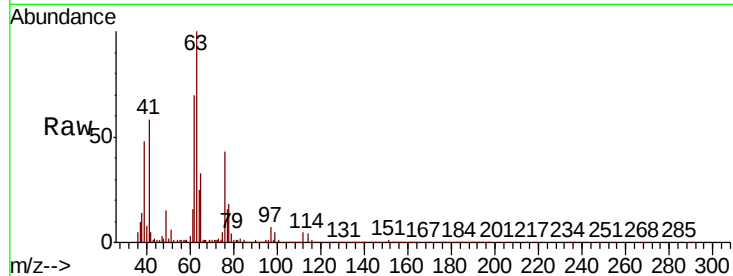
VX0821WBSD01

Tgt Ion: 63 Resp: 62601

Ion Ratio Lower Upper

63 100

65 32.7 23.4 35.2



#46

Dibromomethane

Concen: 20.683 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX011735.D

Acq: 21 Aug 2019 16:17

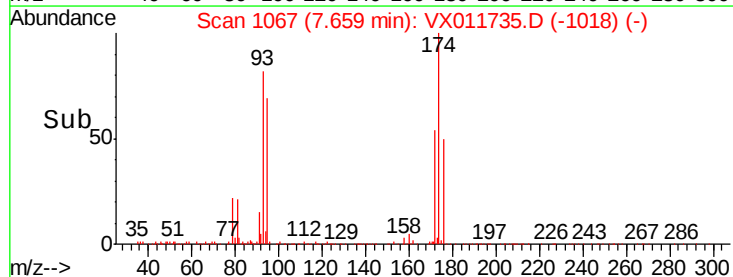
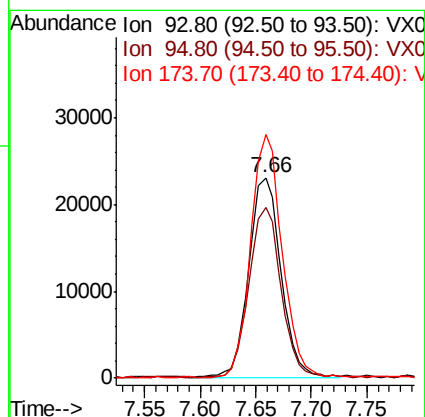
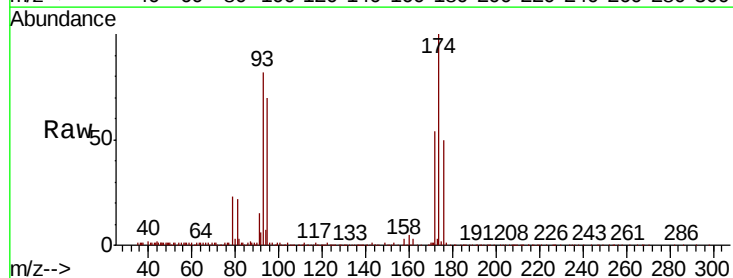
Tgt Ion: 93 Resp: 46315

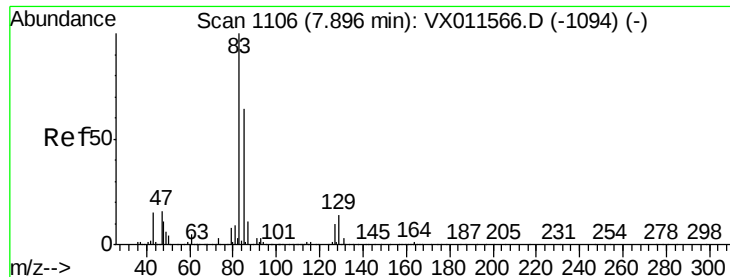
Ion Ratio Lower Upper

93 100

95 87.0 67.2 100.8

174 121.0 105.5 158.3





#47

Bromodichloromethane

Concen: 20.976 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX011735.D

Acq: 21 Aug 2019 16:17

Instrument :

MSVOA_X

ClientSampleId :

VX0821WBSD01

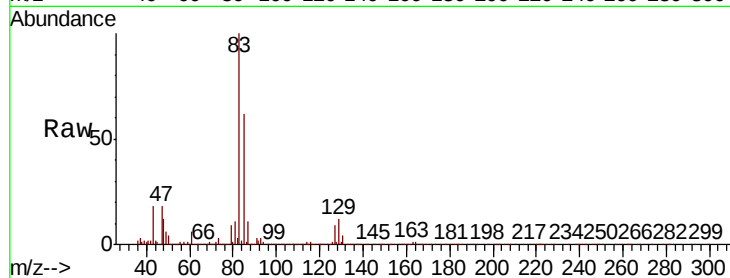
Tgt Ion: 83 Resp: 86244

Ion Ratio Lower Upper

83 100

85 61.9 51.2 76.8

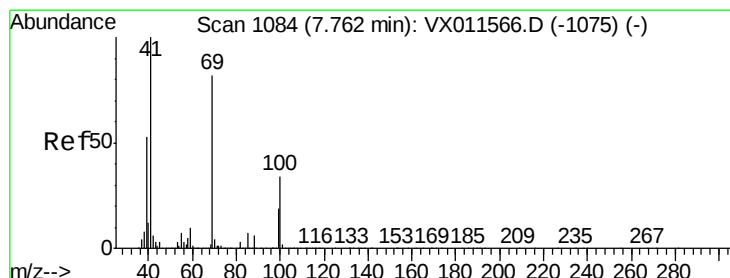
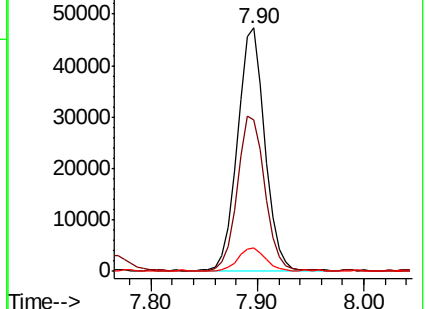
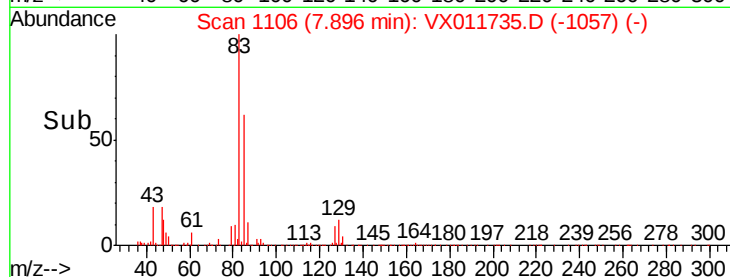
127 9.3 8.1 12.1



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: 19.948 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.01 min

Lab File: VX011735.D

Acq: 21 Aug 2019 16:17

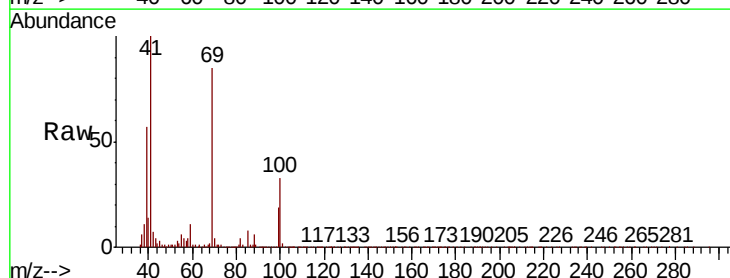
Tgt Ion: 41 Resp: 70504

Ion Ratio Lower Upper

41 100

69 86.0 67.9 101.9

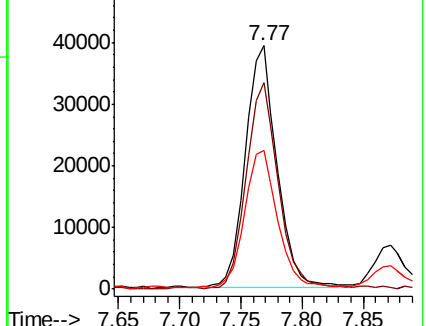
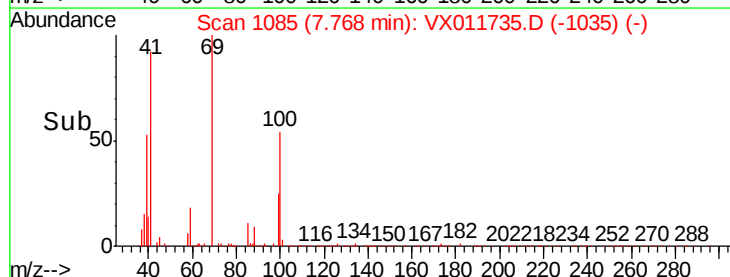
39 59.7 41.6 62.4

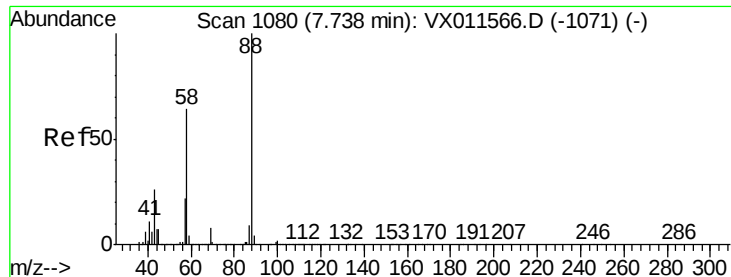


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 408.399 ug/l

RT: 7.73 min Scan# 1079

Delta R.T. -0.01 min

Lab File: VX011735.D

Acq: 21 Aug 2019 16:17

Instrument :

MSVOA_X

ClientSampleId :

VX0821WBSD01

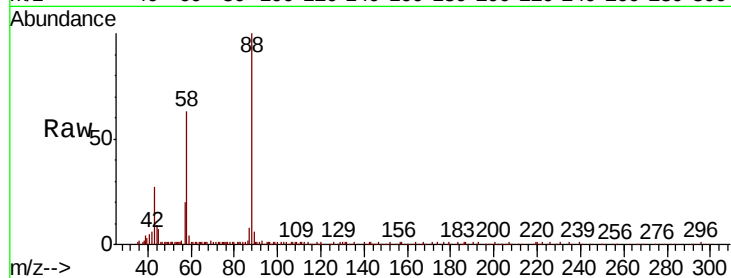
Tgt Ion: 88 Resp: 38392

Ion Ratio Lower Upper

88 100

43 33.4 23.4 35.0

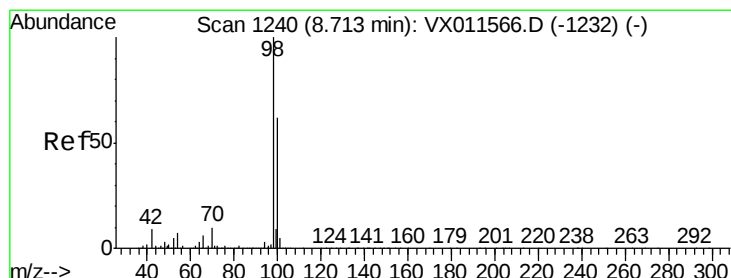
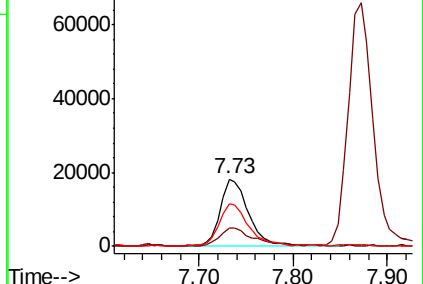
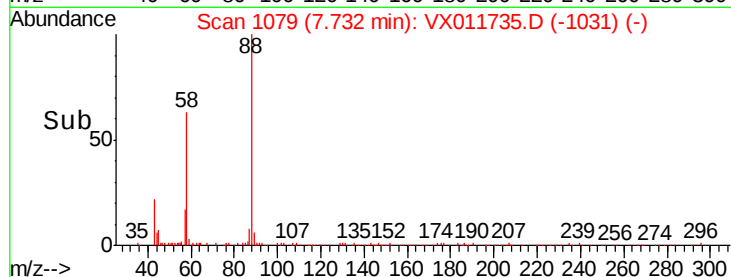
58 63.5 54.3 81.5



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 49.719 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX011735.D

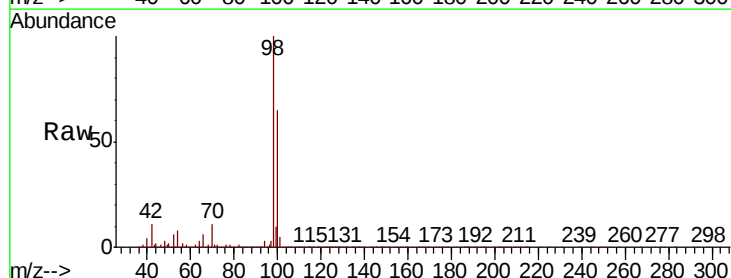
Acq: 21 Aug 2019 16:17

Tgt Ion: 98 Resp: 471210

Ion Ratio Lower Upper

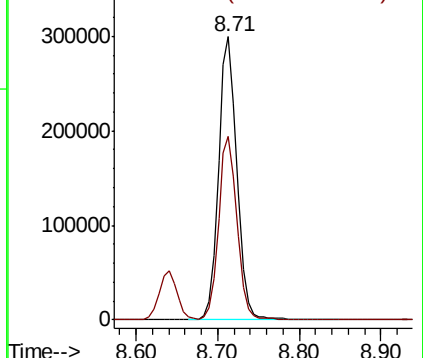
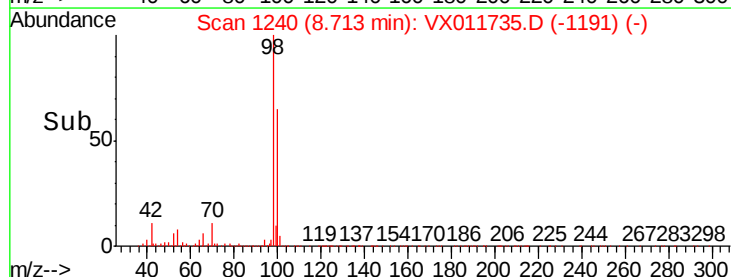
98 100

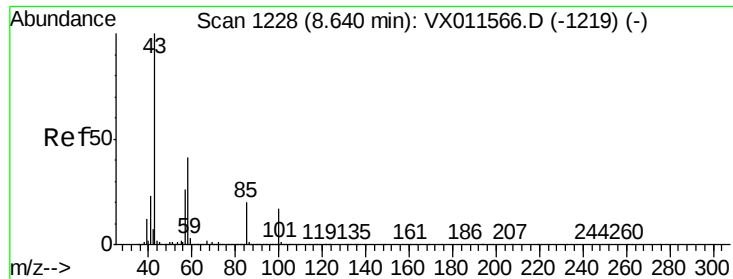
100 65.1 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

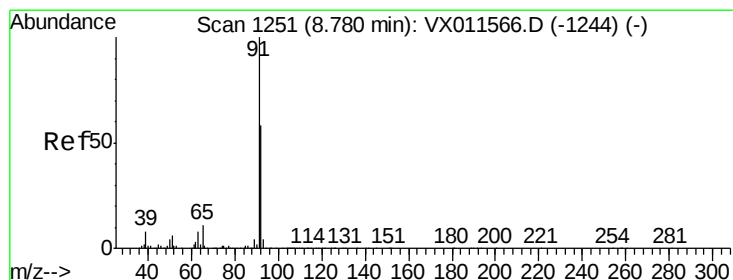
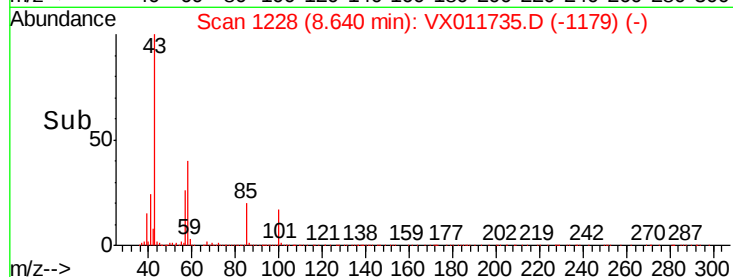
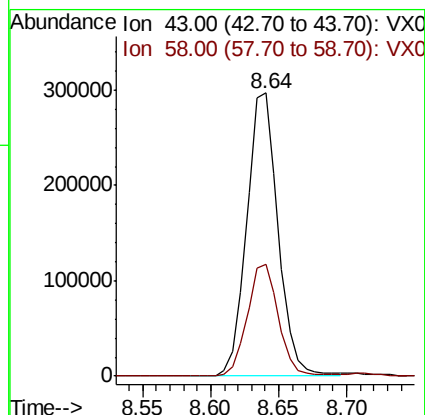
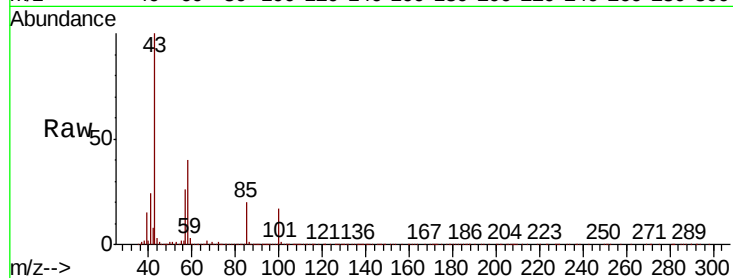




#51
 4-Methyl-2-Pentanone
 Concen: 102.165 ug/l
 RT: 8.64 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: VX011735.D
 Acq: 21 Aug 2019 16:17

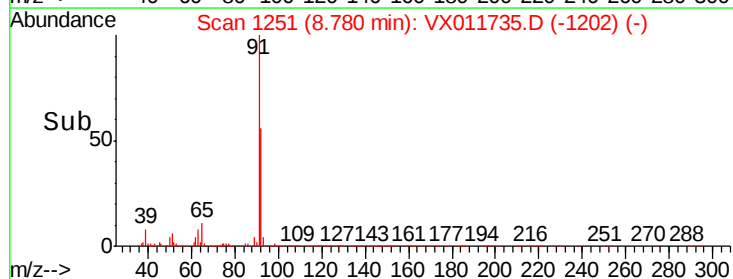
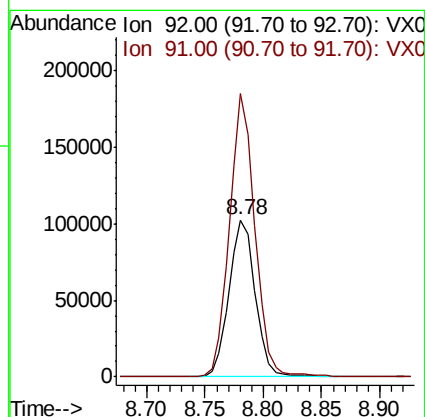
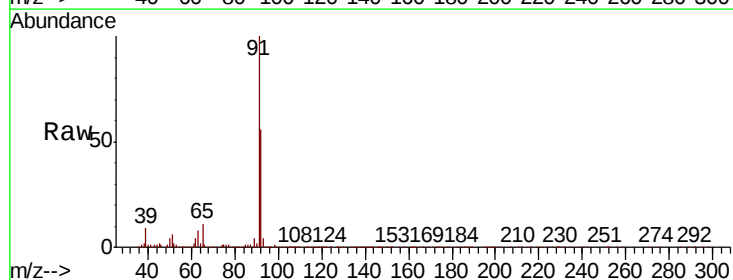
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0821WBSD01

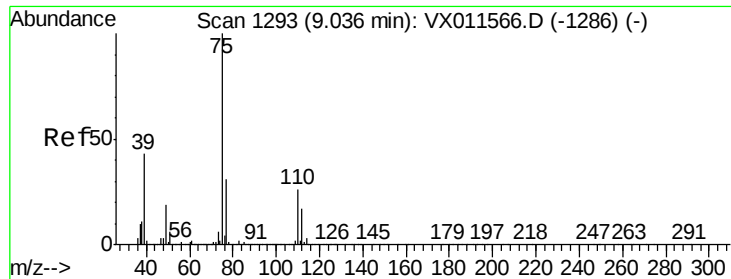
Tgt Ion: 43 Resp: 477263
 Ion Ratio Lower Upper
 43 100
 58 39.4 31.8 47.6



#52
 Toluene
 Concen: 20.428 ug/l
 RT: 8.78 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VX011735.D
 Acq: 21 Aug 2019 16:17

Tgt Ion: 92 Resp: 160802
 Ion Ratio Lower Upper
 92 100
 91 173.5 138.0 207.0

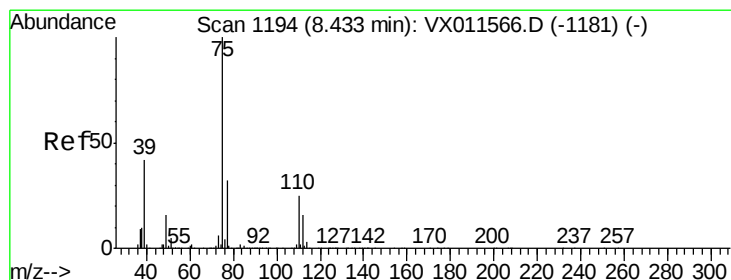
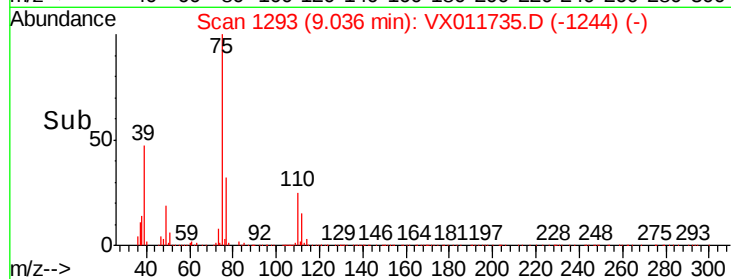
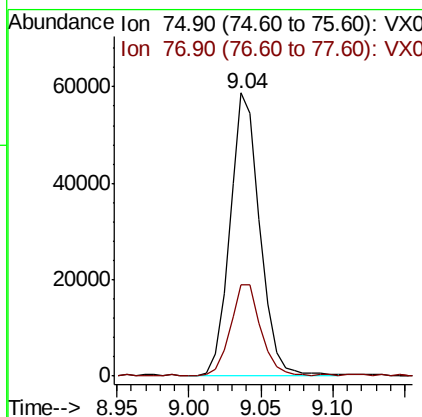
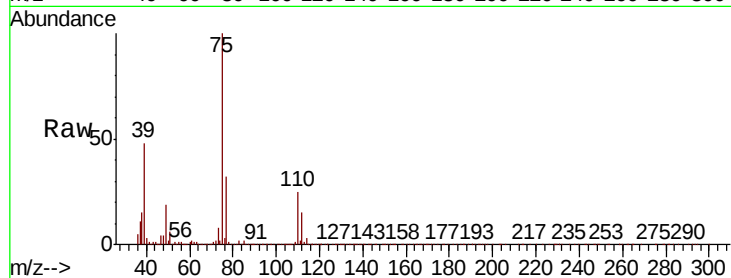




#53
t-1,3-Dichloropropene
Concen: 20.011 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX011735.D
Acq: 21 Aug 2019 16:17

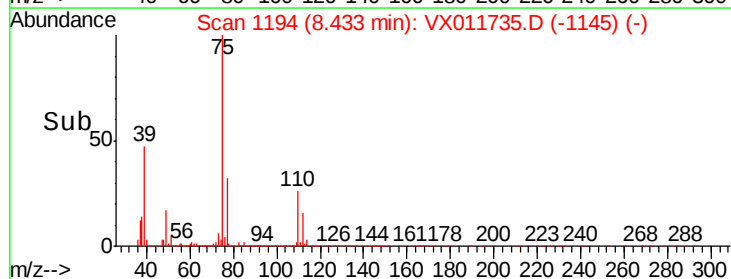
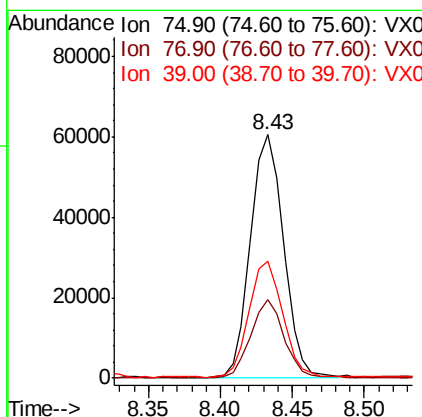
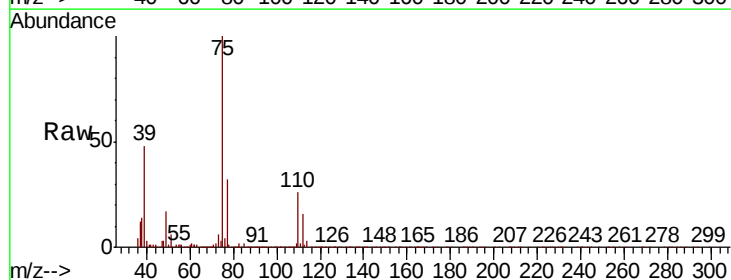
Instrument :
MSVOA_X
ClientSampleId :
VX0821WBSD01

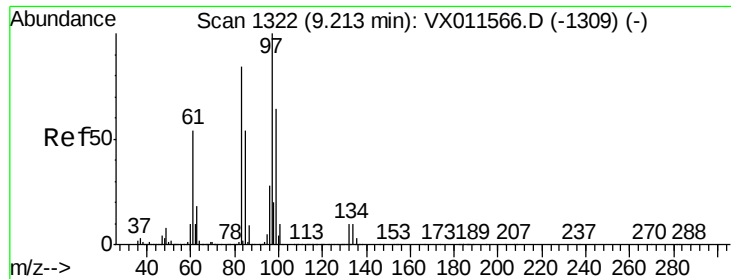
Tgt Ion: 75 Resp: 85391
Ion Ratio Lower Upper
75 100
77 32.1 25.1 37.7



#54
cis-1,3-Dichloropropene
Concen: 20.531 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX011735.D
Acq: 21 Aug 2019 16:17

Tgt Ion: 75 Resp: 95877
Ion Ratio Lower Upper
75 100
77 32.1 25.5 38.3
39 47.5 33.6 50.4





#55

1,1,2-Trichloroethane

Concen: 20.820 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VX011735.D

Acq: 21 Aug 2019 16:17

Instrument :

MSVOA_X

ClientSampleId :

VX0821WBSD01

Tgt Ion: 97 Resp: 69696

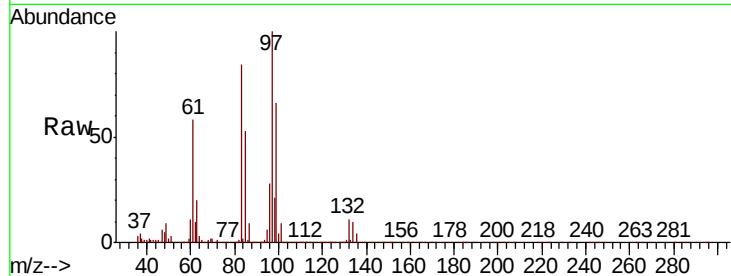
Ion Ratio Lower Upper

97 100

83 83.5 67.4 101.0

85 53.1 43.4 65.2

99 65.4 51.1 76.7

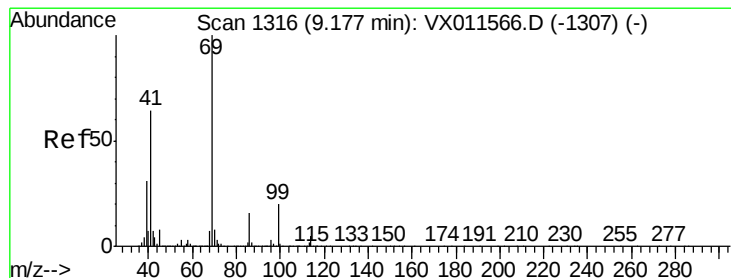
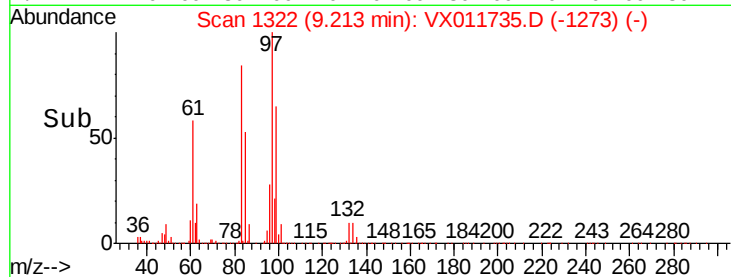
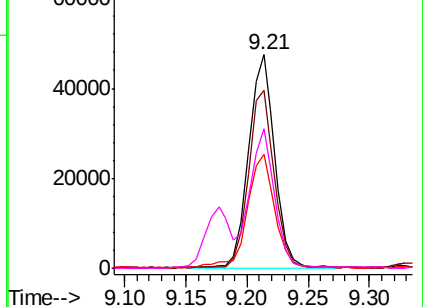


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 20.233 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX011735.D

Acq: 21 Aug 2019 16:17

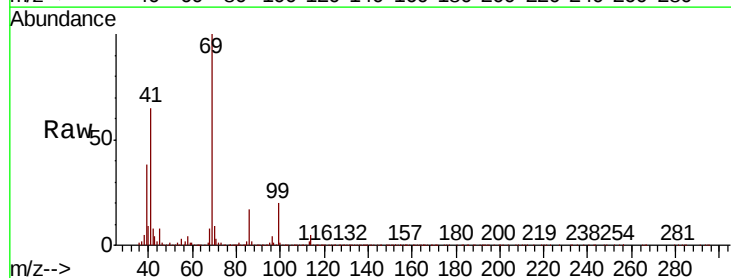
Tgt Ion: 69 Resp: 98441

Ion Ratio Lower Upper

69 100

41 65.4 52.1 78.1

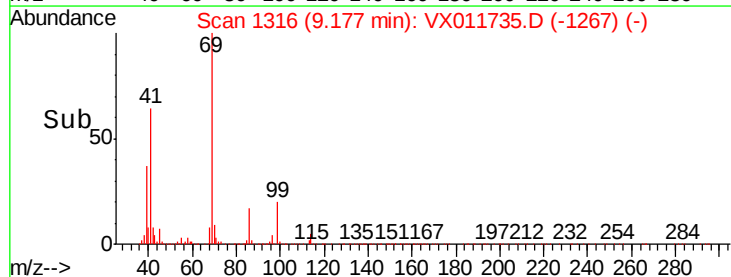
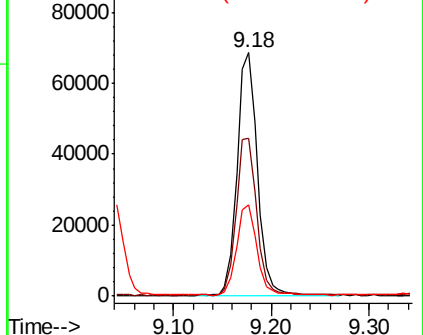
39 37.4 25.4 38.0

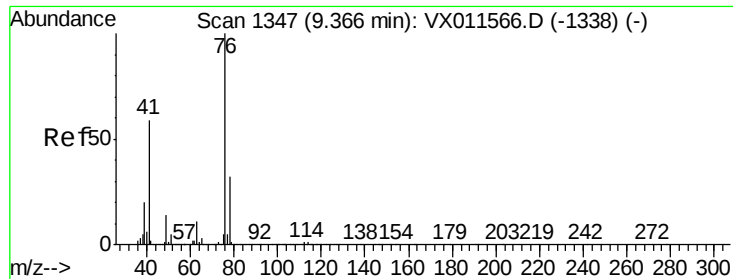


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 20.687 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. 0.00 min

Lab File: VX011735.D

Acq: 21 Aug 2019 16:17

Instrument :

MSVOA_X

ClientSampleId :

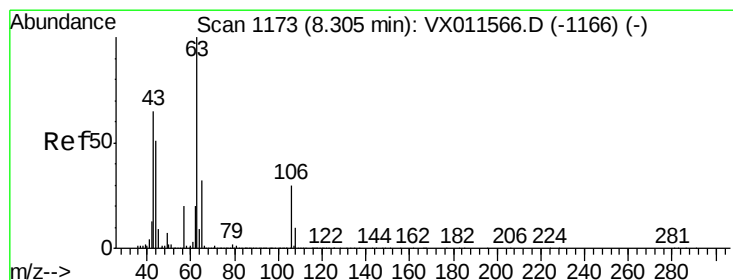
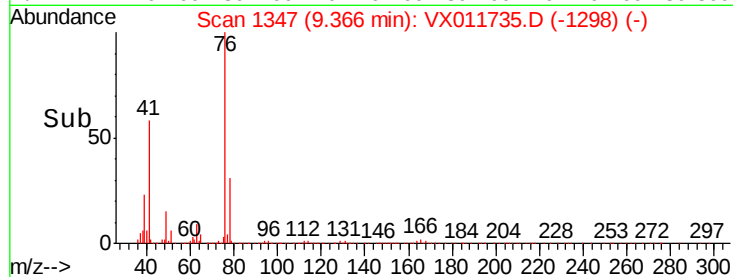
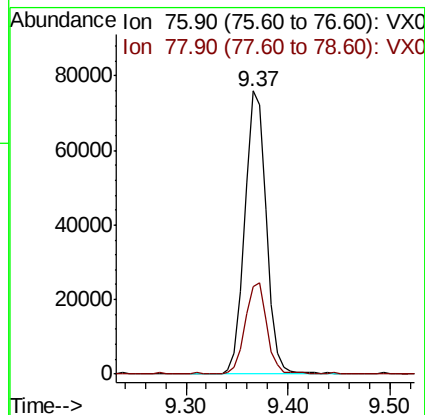
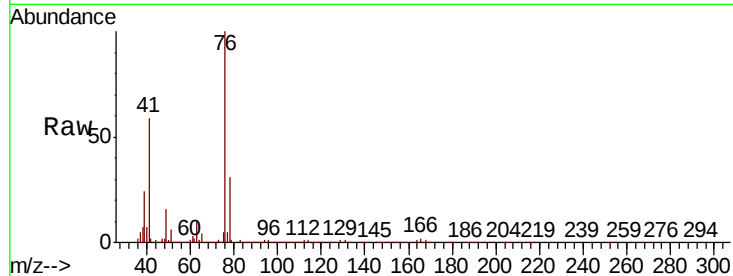
VX0821WBSD01

Tgt Ion: 76 Resp: 110077

Ion Ratio Lower Upper

76 100

78 32.1 26.2 39.4



#58

2-Chloroethyl Vinyl ether

Concen: 102.190 ug/l

RT: 8.30 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VX011735.D

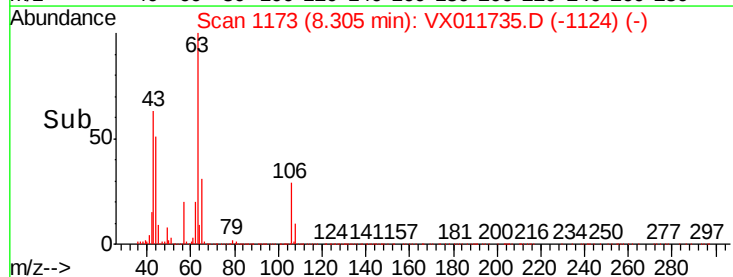
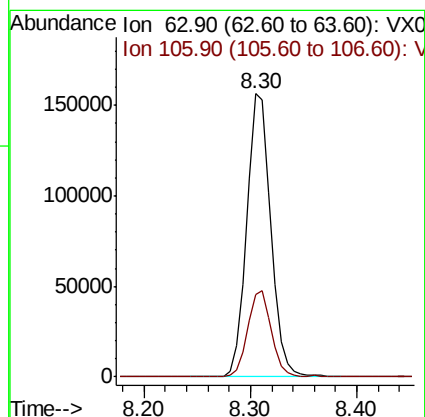
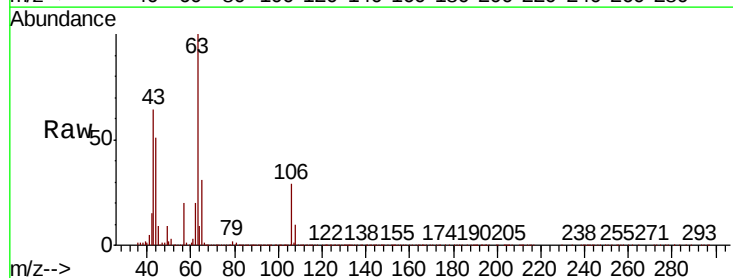
Acq: 21 Aug 2019 16:17

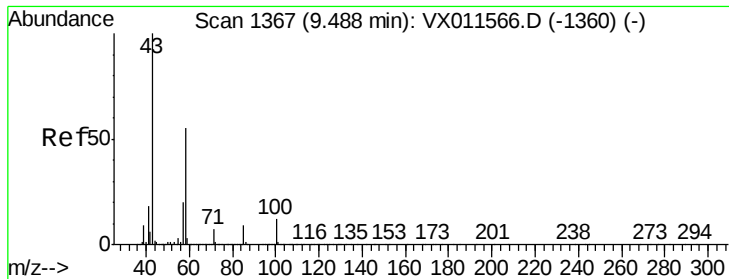
Tgt Ion: 63 Resp: 247732

Ion Ratio Lower Upper

63 100

106 29.6 24.7 37.1

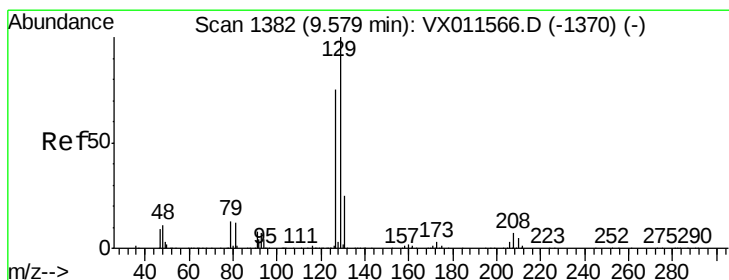
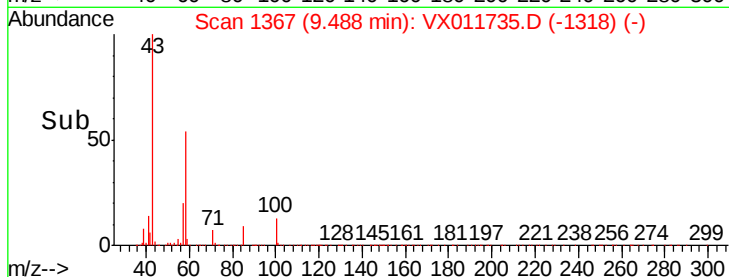
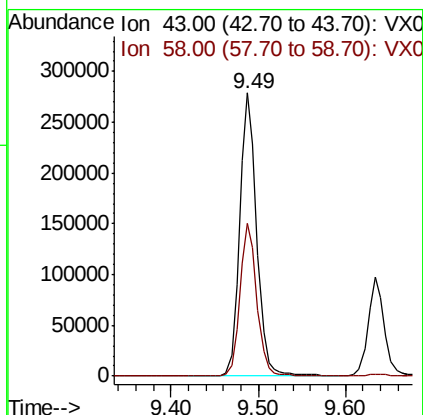
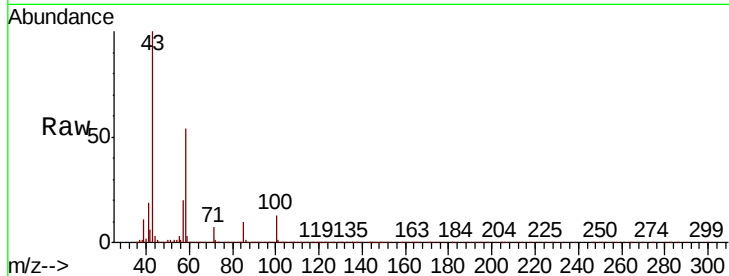




#59
2-Hexanone
Concen: 104.952 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX011735.D
Acq: 21 Aug 2019 16:17

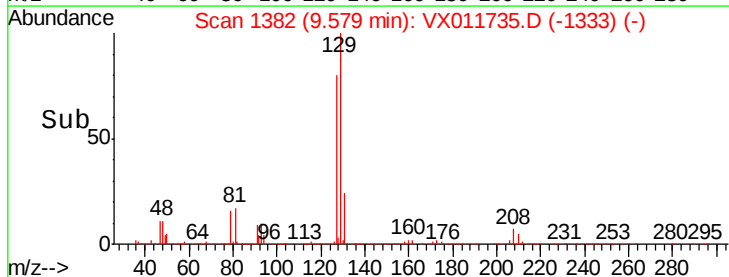
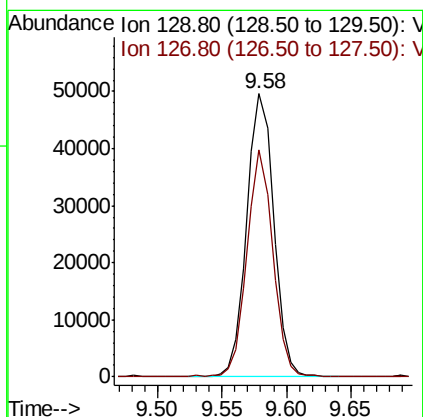
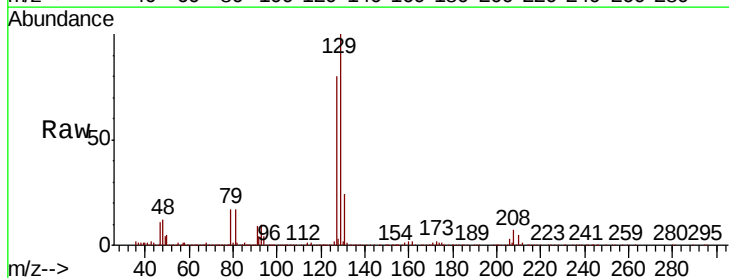
Instrument :
MSVOA_X
ClientSampleId :
VX0821WBSD01

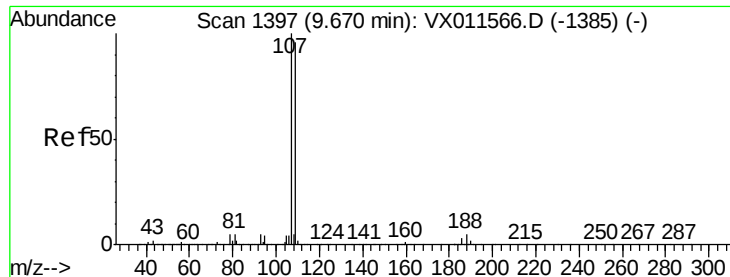
Tgt Ion: 43 Resp: 378085
Ion Ratio Lower Upper
43 100
58 53.9 27.5 82.4



#60
Dibromochloromethane
Concen: 20.620 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011735.D
Acq: 21 Aug 2019 16:17

Tgt Ion: 129 Resp: 71919
Ion Ratio Lower Upper
129 100
127 77.4 38.0 114.1





#61

1,2-Dibromoethane

Concen: 20.589 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX011735.D

Acq: 21 Aug 2019 16:17

Instrument :

MSVOA_X

ClientSampleId :

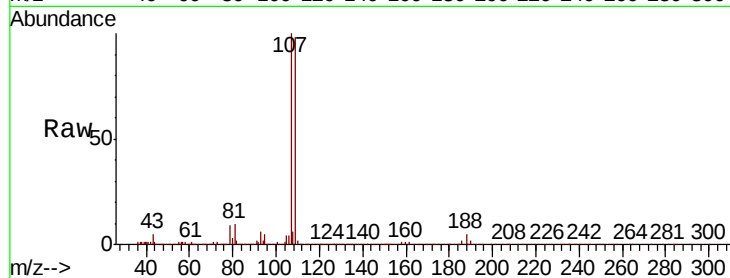
VX0821WBSD01

Tgt Ion: 107 Resp: 73557

Ion Ratio Lower Upper

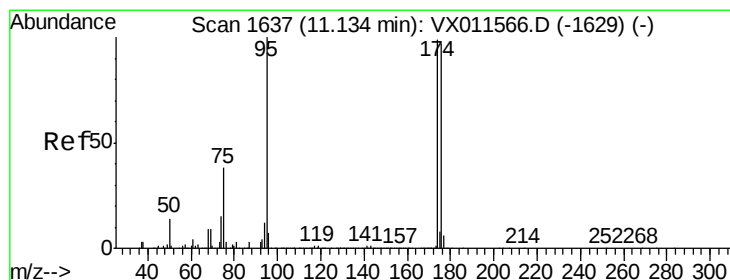
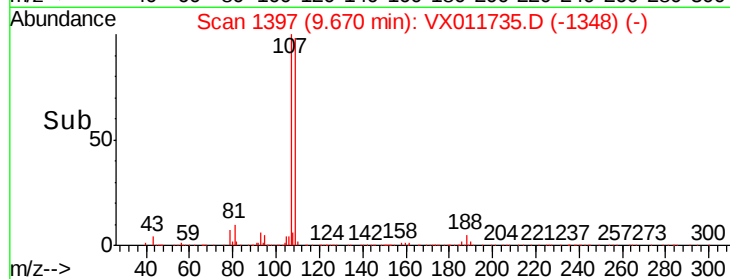
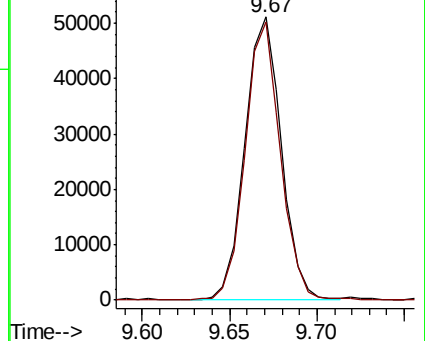
107 100

109 95.0 76.2 114.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.237 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011735.D

Acq: 21 Aug 2019 16:17

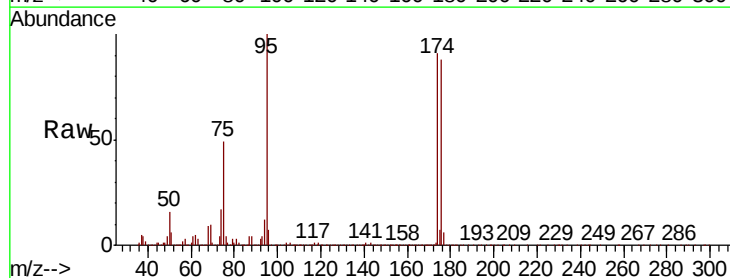
Tgt Ion: 95 Resp: 196962

Ion Ratio Lower Upper

95 100

174 95.3 0.0 200.6

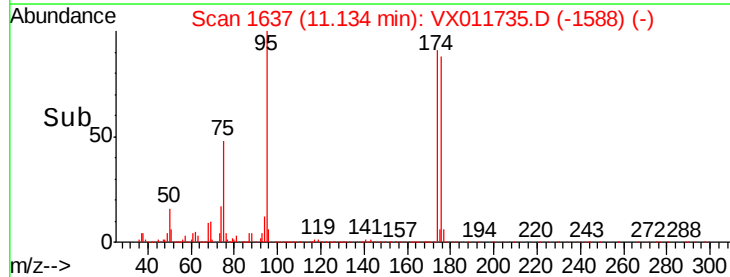
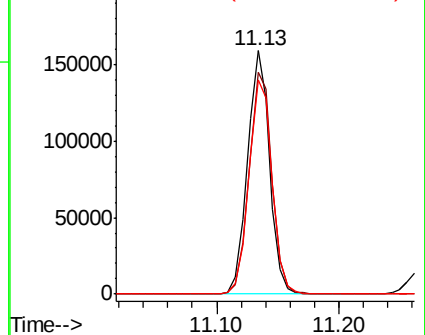
176 93.6 0.0 196.6

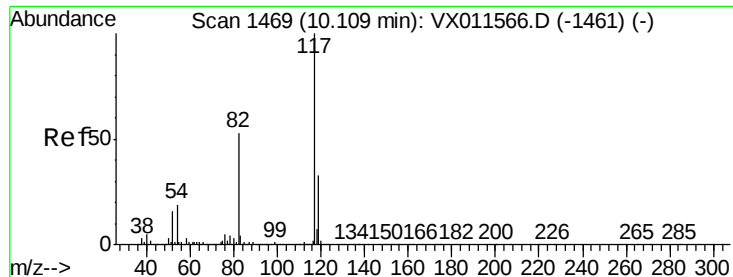


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

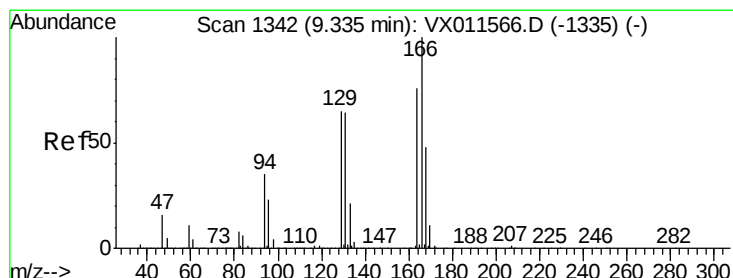
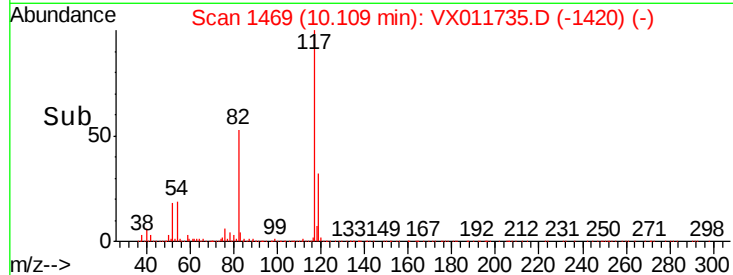
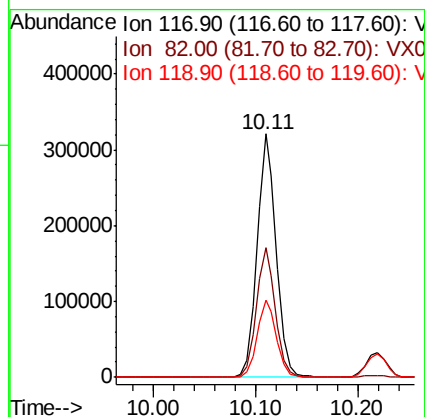
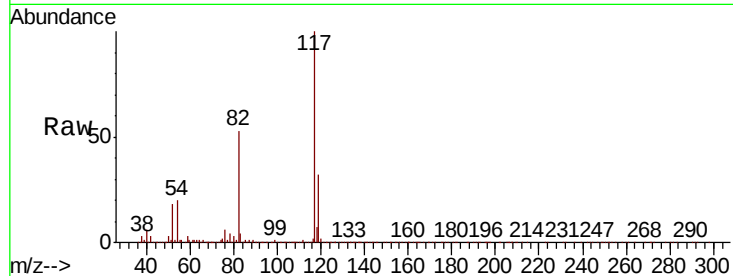




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011735.D
Acq: 21 Aug 2019 16:17

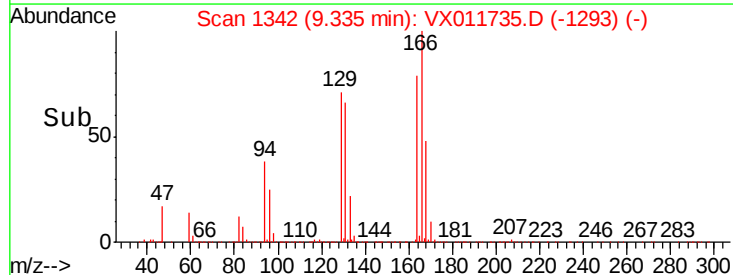
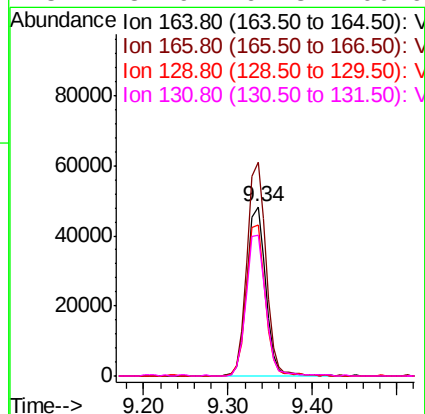
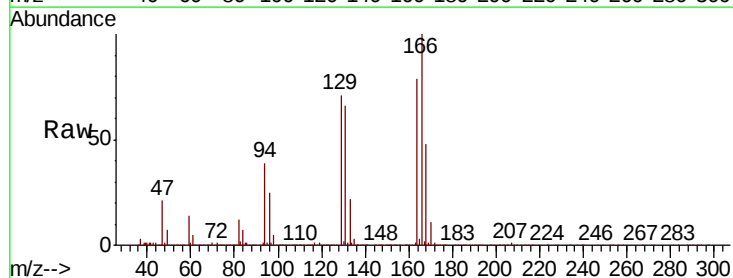
Instrument :
MSVOA_X
ClientSampleId :
VX0821WBSD01

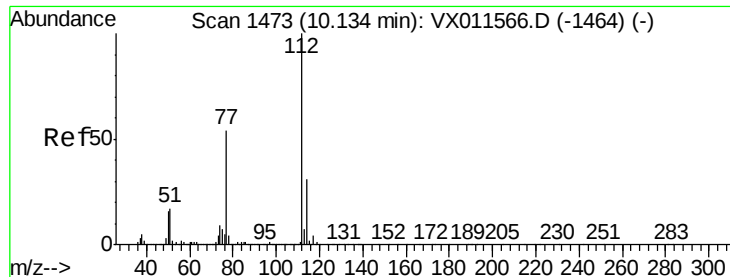
Tgt Ion:117 Resp: 421123
Ion Ratio Lower Upper
117 100
82 53.2 42.0 63.0
119 31.9 26.5 39.7



#64
Tetrachloroethene
Concen: 20.914 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX011735.D
Acq: 21 Aug 2019 16:17

Tgt Ion:164 Resp: 72263
Ion Ratio Lower Upper
164 100
166 126.3 104.7 157.1
129 89.0 68.2 102.4
131 82.9 67.3 100.9





#65

Chlorobenzene

Concen: 20.564 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX011735.D

Acq: 21 Aug 2019 16:17

Instrument :

MSVOA_X

ClientSampleId :

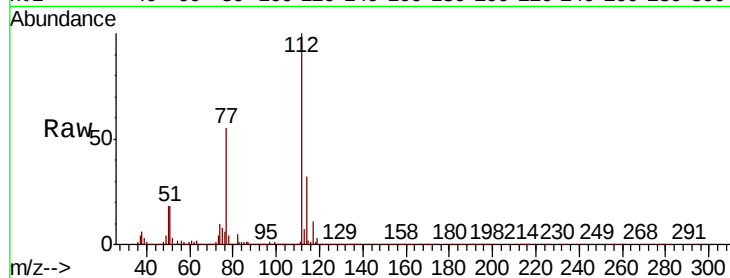
VX0821WBSD01

Tgt Ion:112 Resp: 184708

Ion Ratio Lower Upper

112 100

114 32.3 25.0 37.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.13

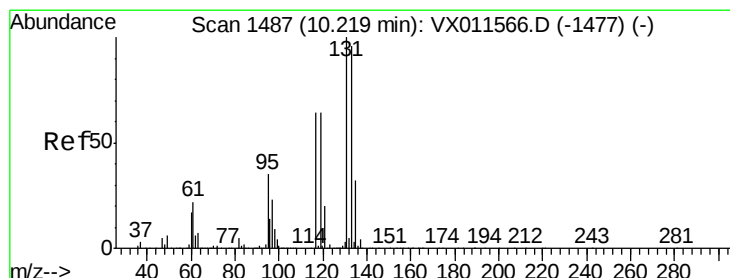
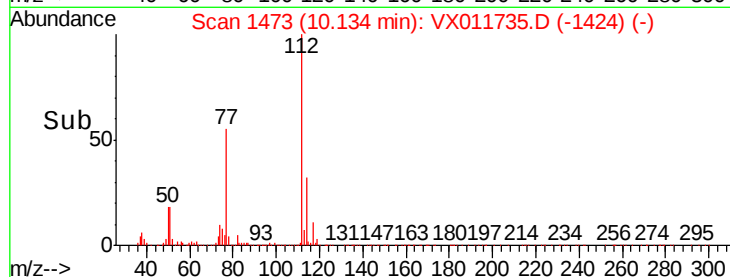
150000

100000

50000

0

Time--> 10.00 10.10 10.20



#66

1,1,1,2-Tetrachloroethane

Concen: 20.605 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX011735.D

Acq: 21 Aug 2019 16:17

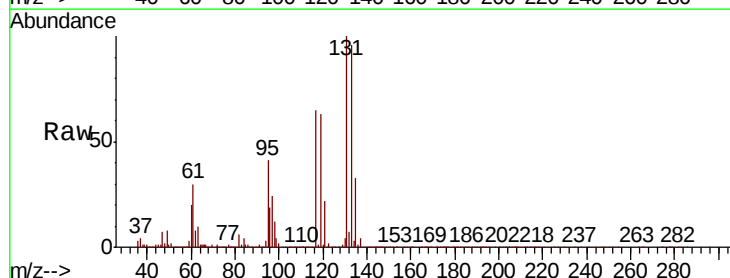
Tgt Ion:131 Resp: 69176

Ion Ratio Lower Upper

131 100

133 94.2 48.1 144.4

119 62.0 31.3 93.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

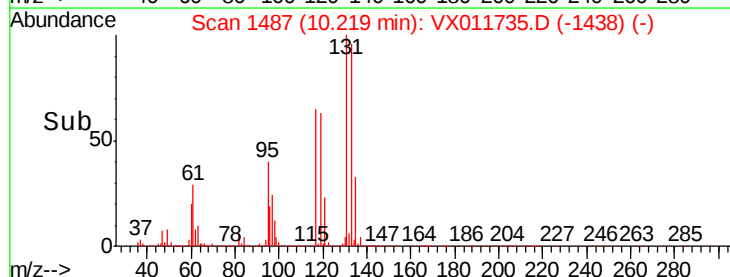
Ion 118.80 (118.50 to 119.50): V

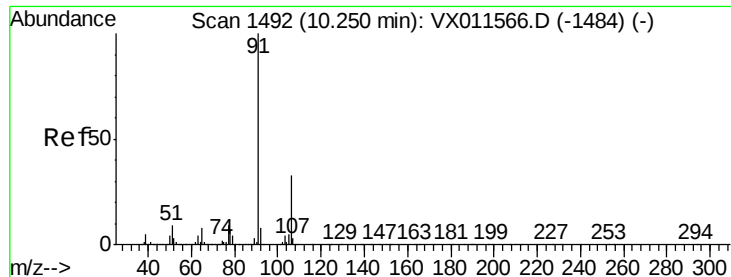
100000

50000

0

Time--> 10.10 10.20 10.30





#67

Ethyl Benzene

Concen: 20.736 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX011735.D

Acq: 21 Aug 2019 16:17

Instrument :

MSVOA_X

ClientSampleId :

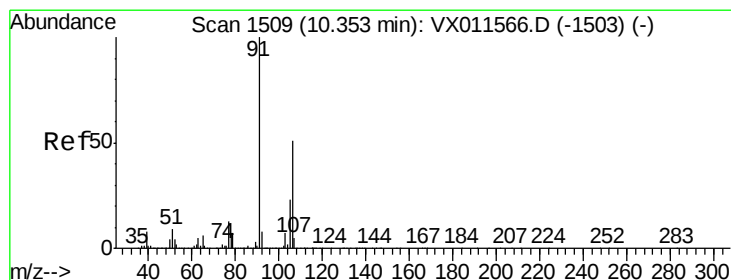
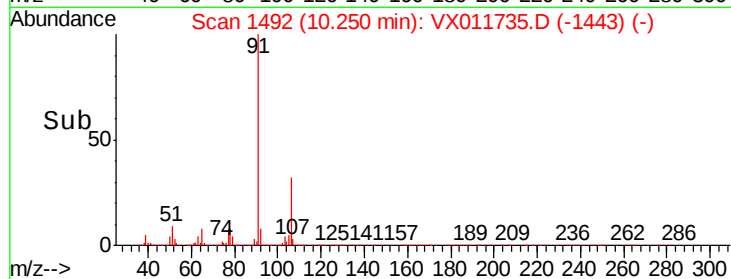
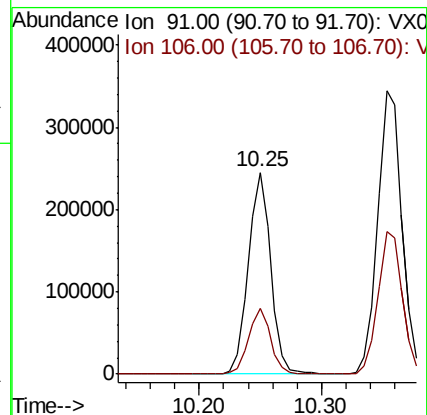
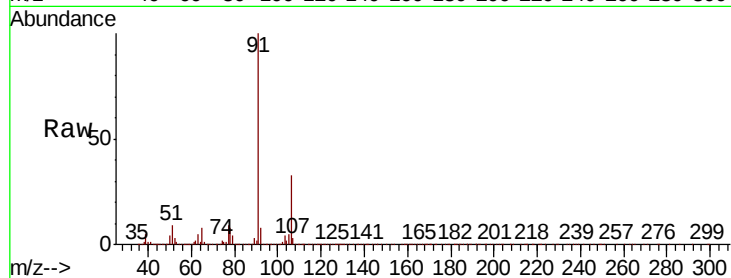
VX0821WBSD01

Tgt Ion: 91 Resp: 310839

Ion Ratio Lower Upper

91 100

106 32.5 26.0 39.0



#68

m/p-Xylenes

Concen: 41.922 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. 0.00 min

Lab File: VX011735.D

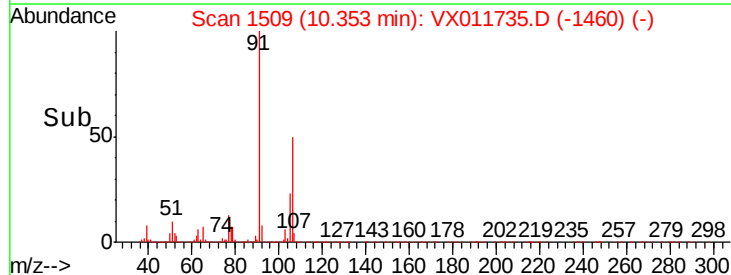
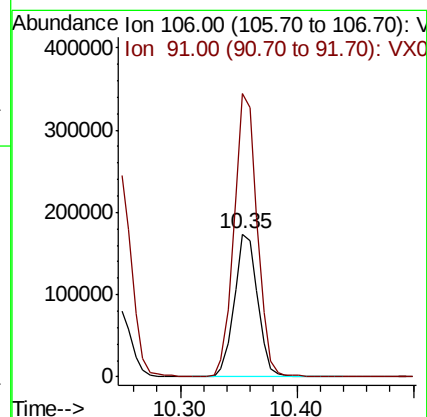
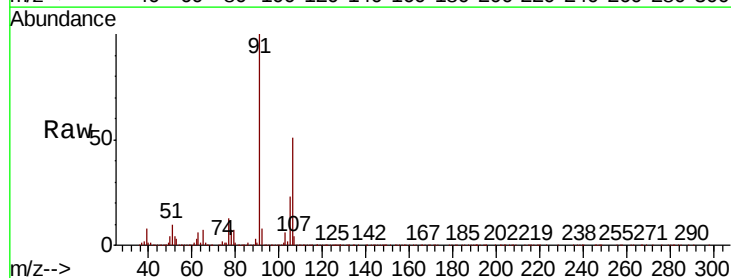
Acq: 21 Aug 2019 16:17

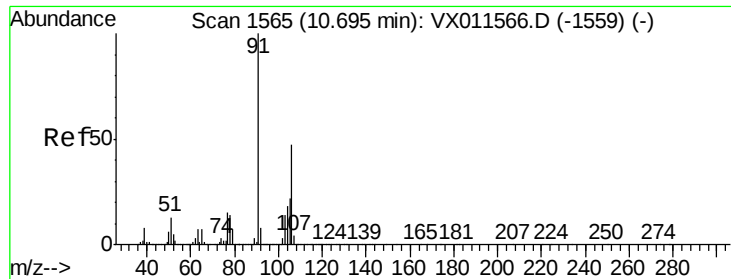
Tgt Ion: 106 Resp: 241225

Ion Ratio Lower Upper

106 100

91 196.9 156.0 234.0

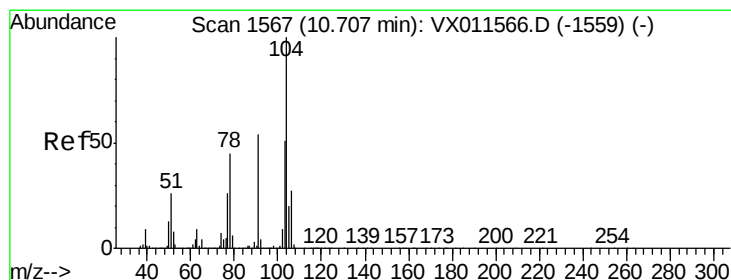
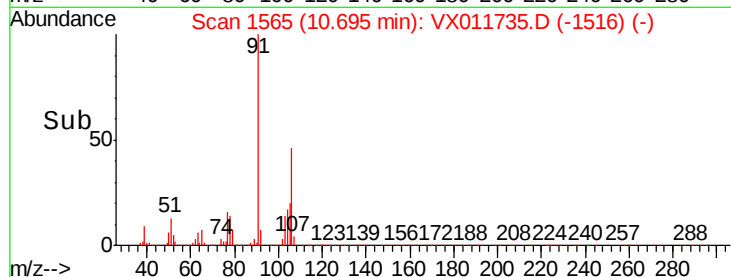
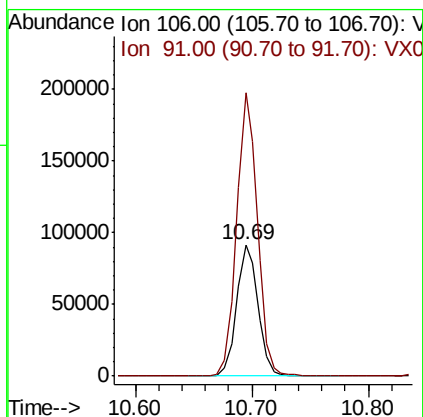
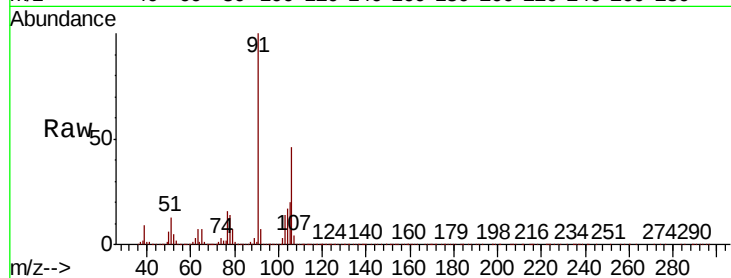




#69
o-Xylene
Concen: 20.666 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011735.D
Acq: 21 Aug 2019 16:17

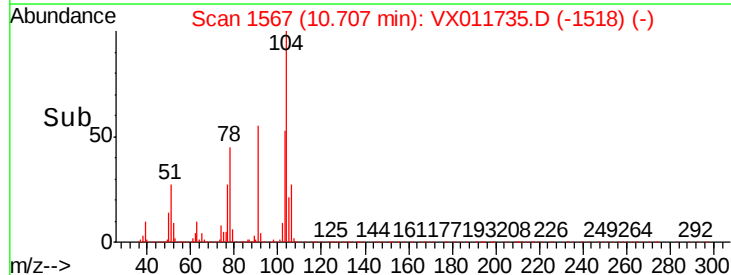
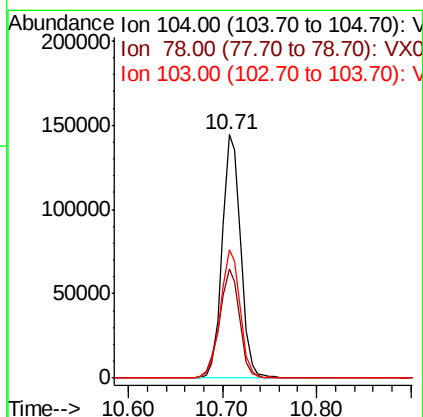
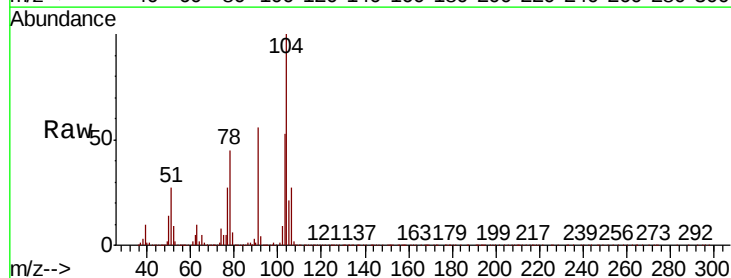
Instrument :
MSVOA_X
ClientSampleId :
VX0821WBSD01

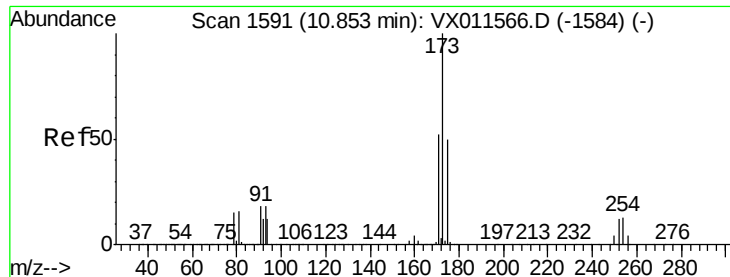
Tgt Ion:106 Resp: 116480
Ion Ratio Lower Upper
106 100
91 210.8 105.5 316.4



#70
Styrene
Concen: 20.691 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX011735.D
Acq: 21 Aug 2019 16:17

Tgt Ion:104 Resp: 196322
Ion Ratio Lower Upper
104 100
78 49.1 38.2 57.4
103 55.7 43.6 65.4





#71

Bromoform

Concen: 18.681 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX011735.D

Acq: 21 Aug 2019 16:17

Instrument :

MSVOA_X

ClientSampleId :

VX0821WBSD01

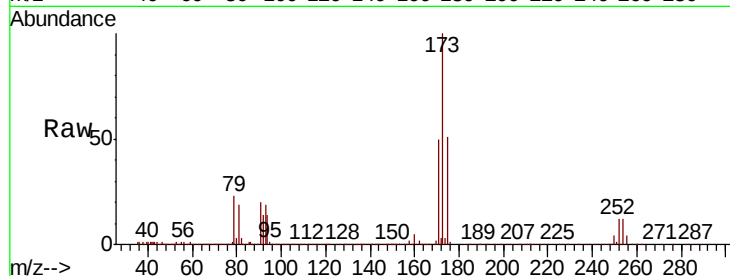
Tgt Ion:173 Resp: 53745

Ion Ratio Lower Upper

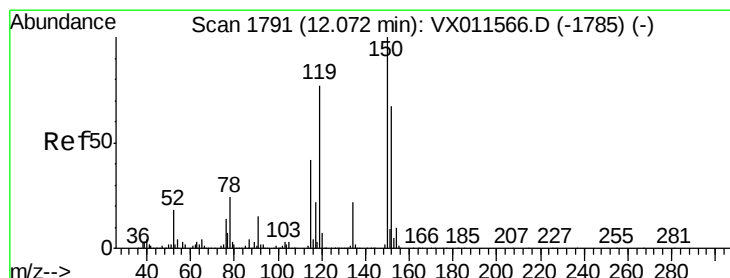
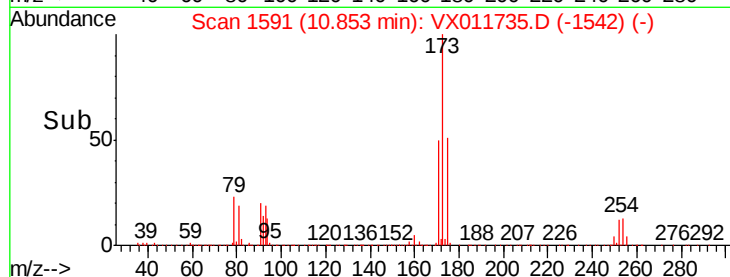
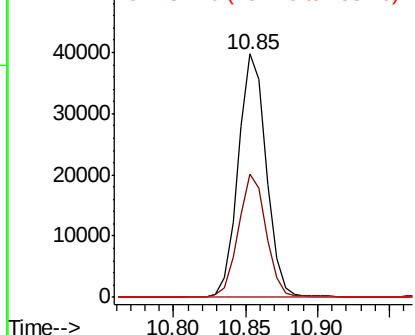
173 100

175 50.8 24.9 74.7

254 0.3 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: 12.08 min Scan# 1792

Delta R.T. 0.01 min

Lab File: VX011735.D

Acq: 21 Aug 2019 16:17

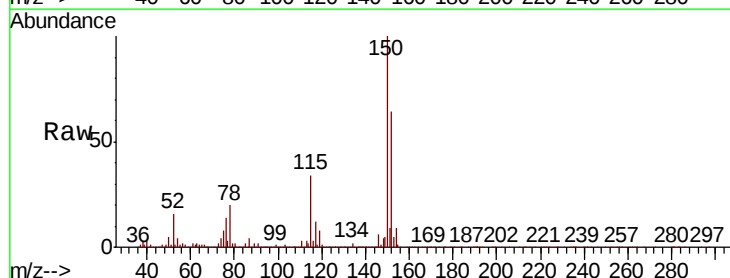
Tgt Ion:152 Resp: 226955

Ion Ratio Lower Upper

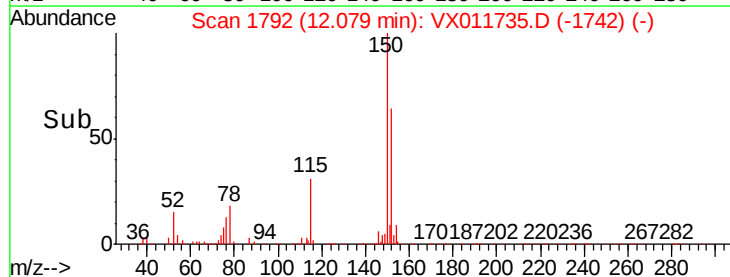
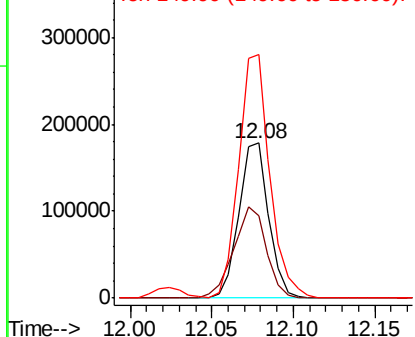
152 100

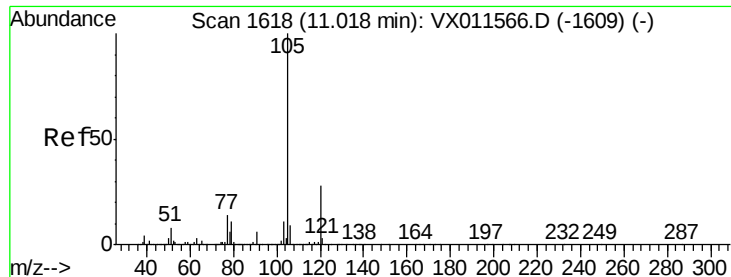
115 64.5 37.3 111.9

150 163.6 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: 21.365 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX011735.D

Acq: 21 Aug 2019 16:17

Instrument :

MSVOA_X

ClientSampleId :

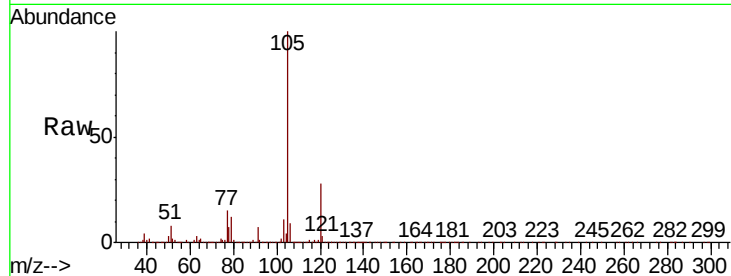
VX0821WBSD01

Tgt Ion: 105 Resp: 314633

Ion Ratio Lower Upper

105 100

120 27.9 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

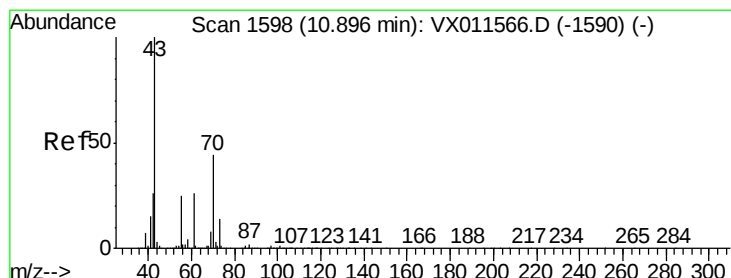
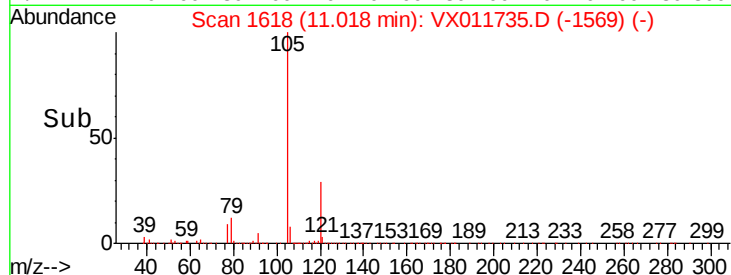
50000

0

11.02

10.95 11.05

Time-->



#74

N-ethyl acetate

Concen: 19.649 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX011735.D

Acq: 21 Aug 2019 16:17

Tgt Ion: 43 Resp: 122974

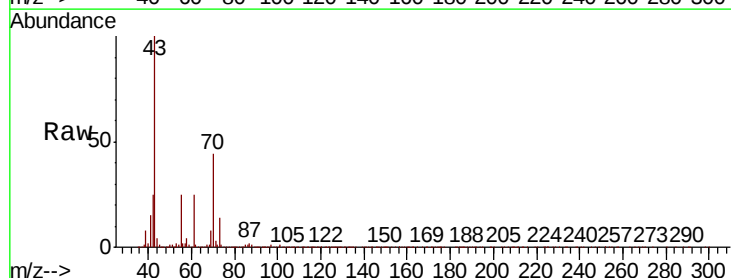
Ion Ratio Lower Upper

43 100

70 42.9 34.7 52.1

55 24.6 19.6 29.4

61 24.3 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

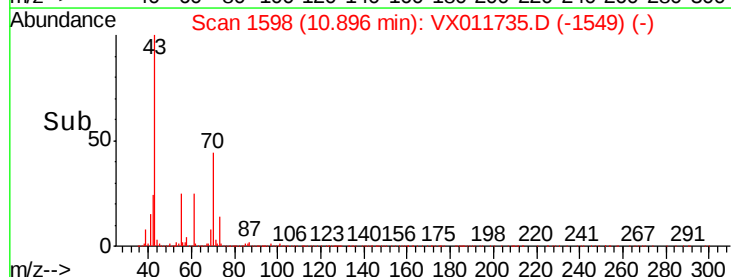
50000

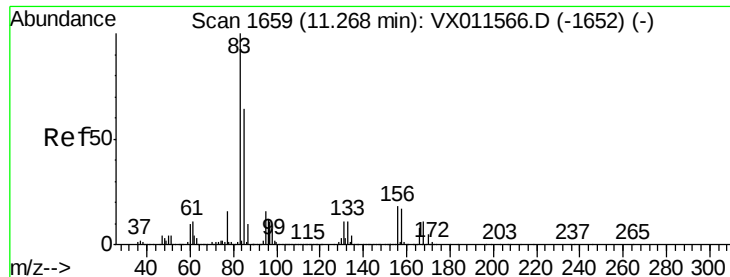
0

10.90

10.80 11.00

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.013 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VX011735.D

Acq: 21 Aug 2019 16:17

Instrument :

MSVOA_X

ClientSampleId :

VX0821WBSD01

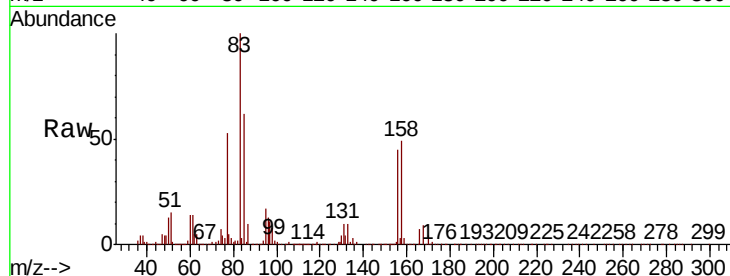
Tgt Ion: 83 Resp: 106451

Ion Ratio Lower Upper

83 100

131 11.7 5.8 17.3

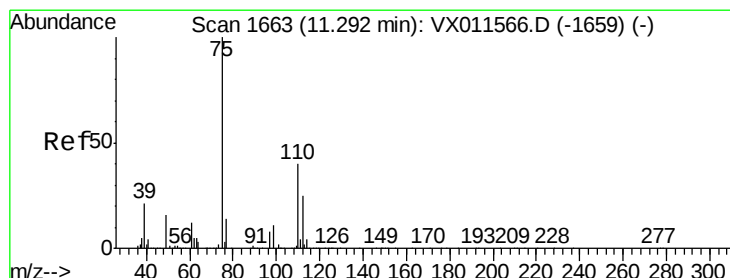
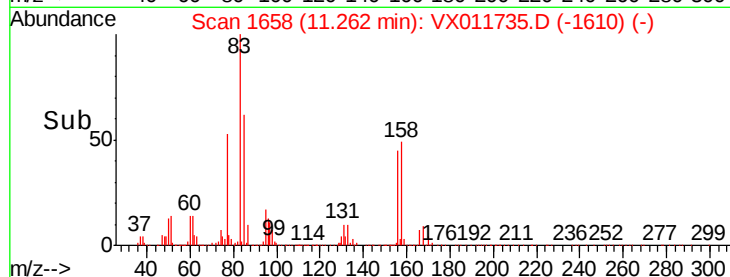
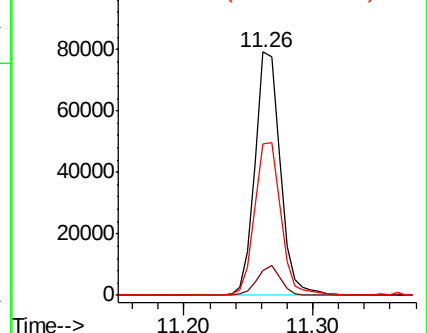
85 64.6 31.9 95.9



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: 26.355 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX011735.D

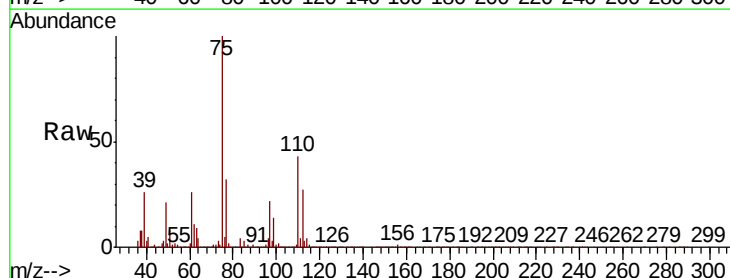
Acq: 21 Aug 2019 16:17

Tgt Ion: 75 Resp: 113422

Ion Ratio Lower Upper

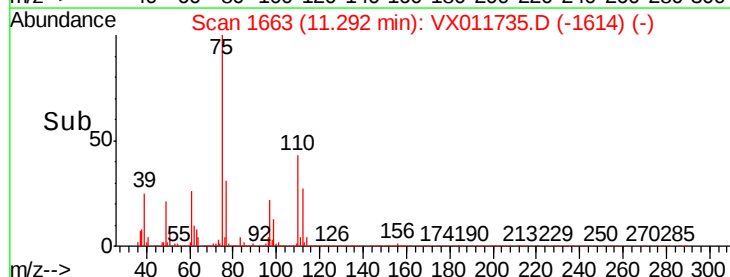
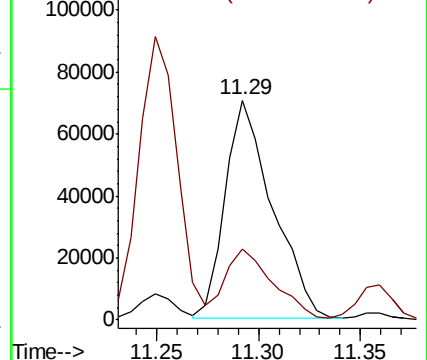
75 100

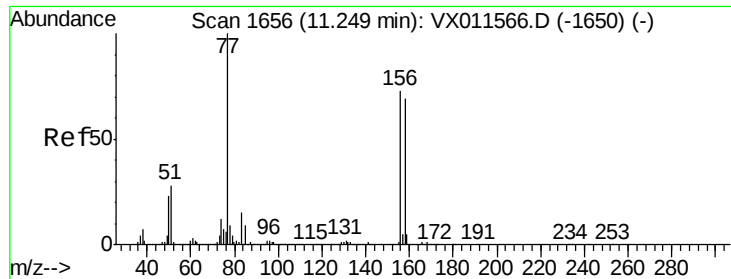
77 32.8 20.9 62.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 19.791 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. 0.00 min

Lab File: VX011735.D

Acq: 21 Aug 2019 16:17

Instrument :

MSVOA_X

ClientSampleId :

VX0821WBSD01

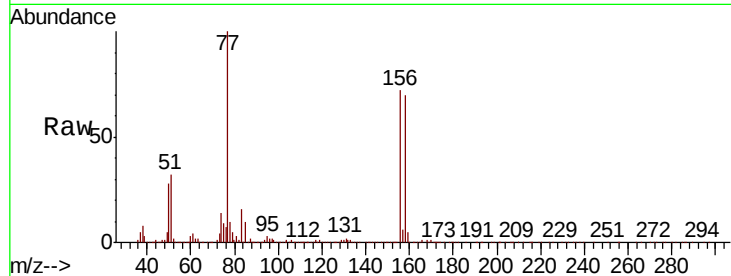
Tgt Ion:156 Resp: 86715

Ion Ratio Lower Upper

156 100

77 137.9 64.6 193.9

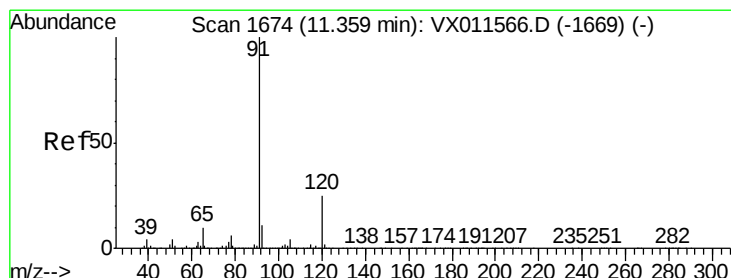
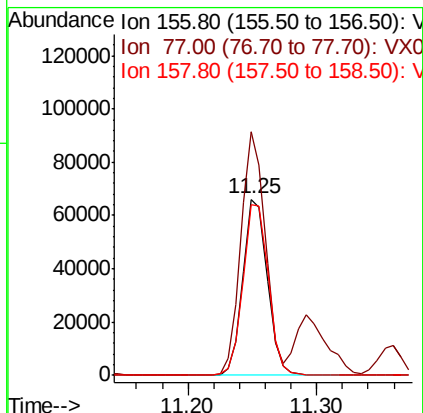
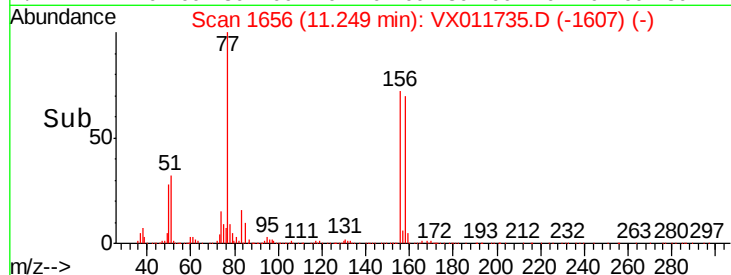
158 100.4 48.4 145.3



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: 21.945 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX011735.D

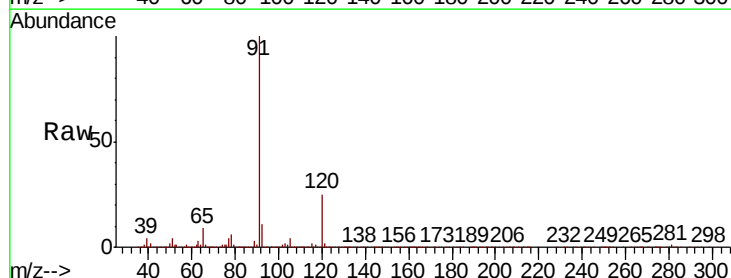
Acq: 21 Aug 2019 16:17

Tgt Ion: 91 Resp: 348485

Ion Ratio Lower Upper

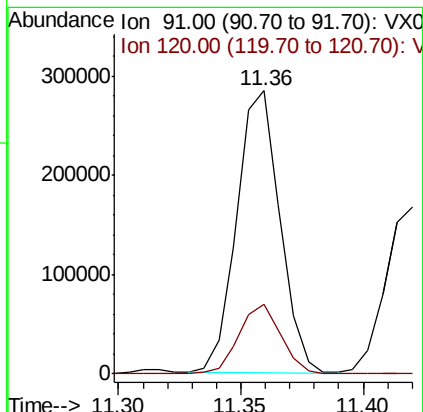
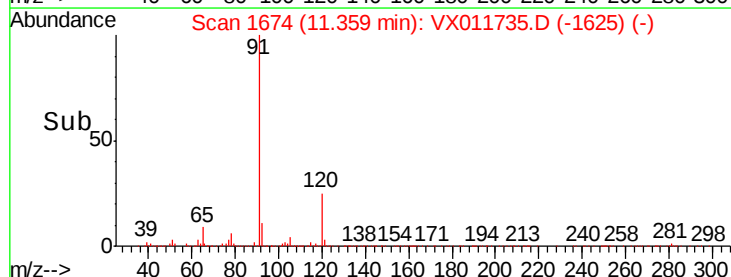
91 100

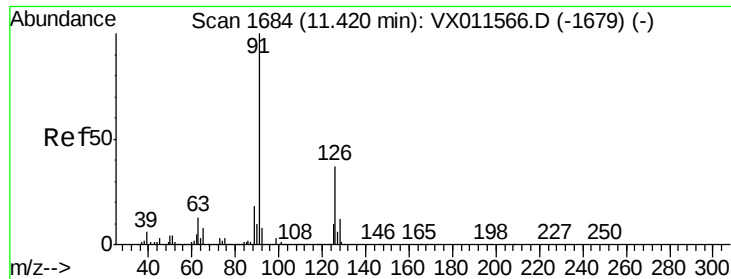
120 24.0 12.6 37.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.842 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX011735.D

Acq: 21 Aug 2019 16:17

Instrument :

MSVOA_X

ClientSampleId :

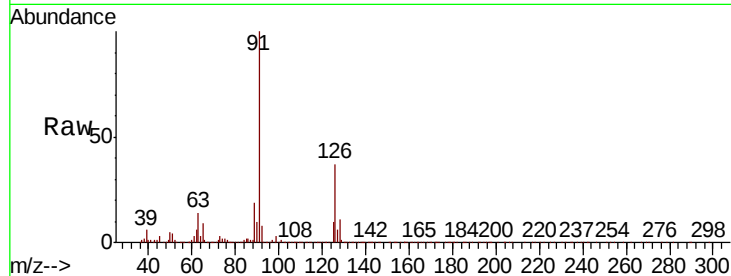
VX0821WBSD01

Tgt Ion: 91 Resp: 212985

Ion Ratio Lower Upper

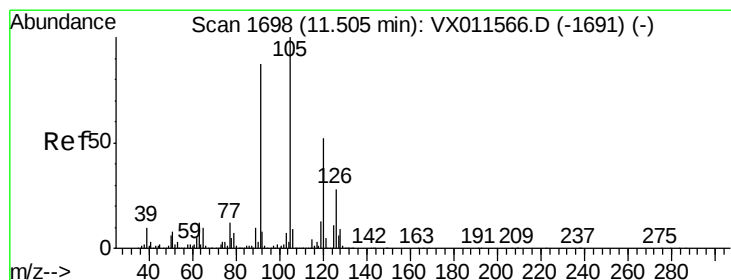
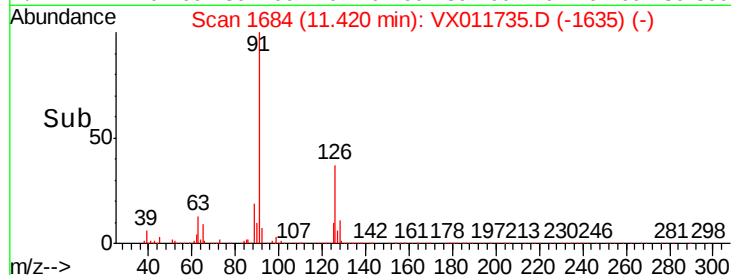
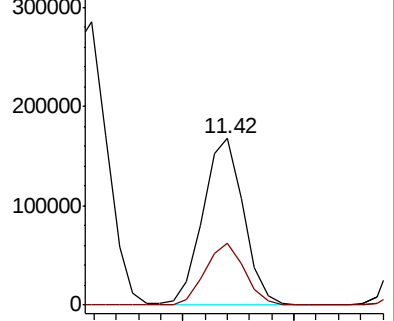
91 100

126 36.0 18.4 55.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 21.684 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011735.D

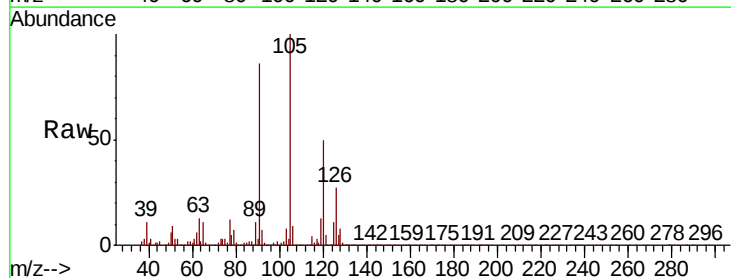
Acq: 21 Aug 2019 16:17

Tgt Ion: 105 Resp: 268252

Ion Ratio Lower Upper

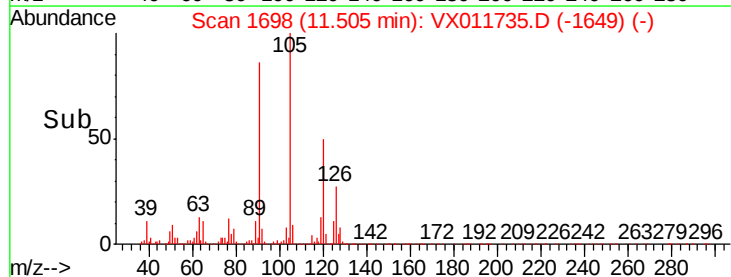
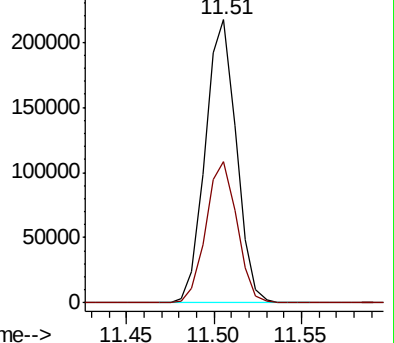
105 100

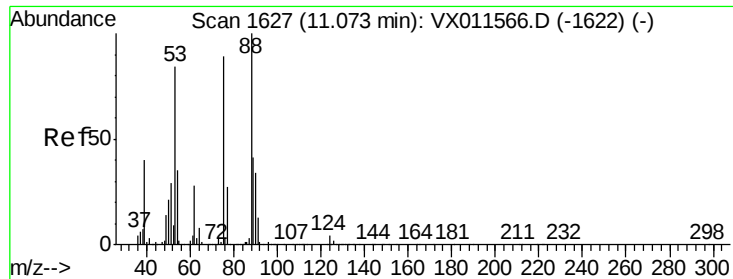
120 49.7 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 19.861 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX011735.D

Acq: 21 Aug 2019 16:17

Instrument :

MSVOA_X

ClientSampleId :

VX0821WBSD01

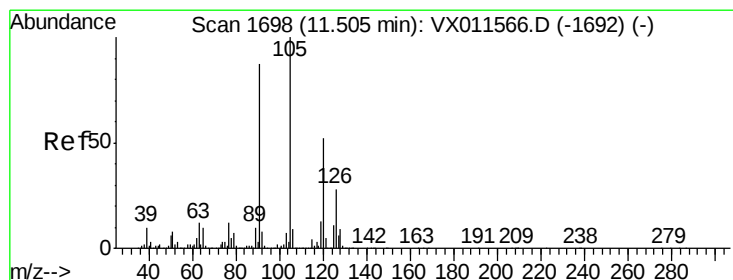
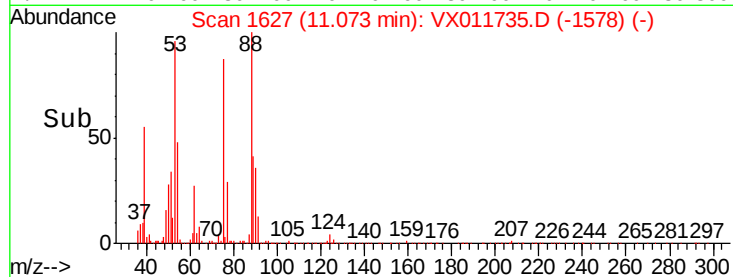
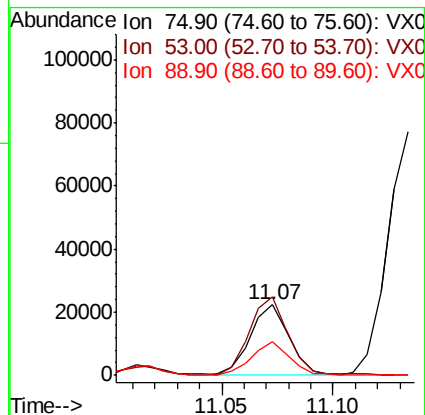
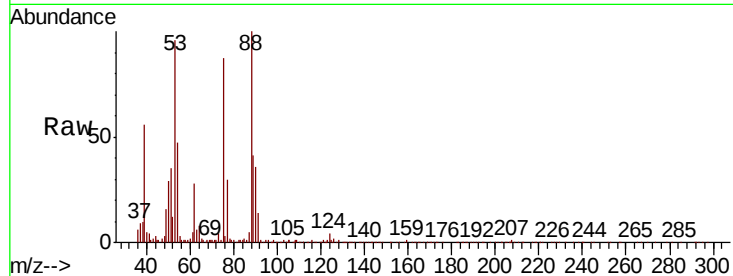
Tgt Ion: 75 Resp: 26834

Ion Ratio Lower Upper

75 100

53 111.6 77.4 116.0

89 49.0 37.3 55.9



#82

4-Chlorotoluene

Concen: 21.331 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011735.D

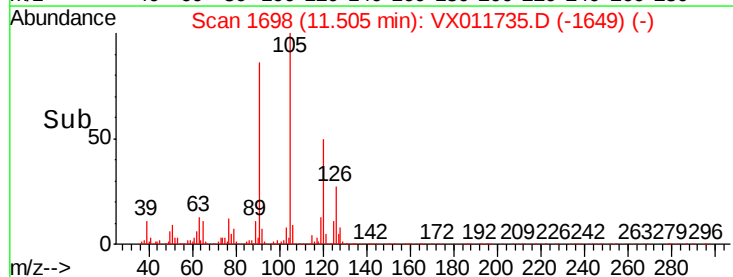
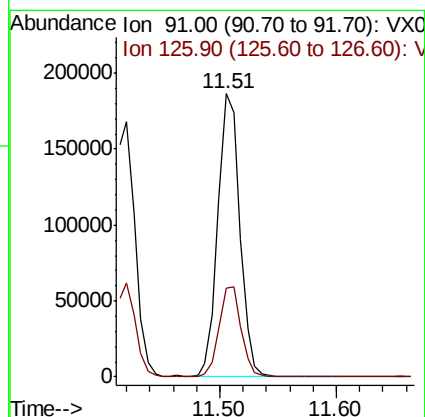
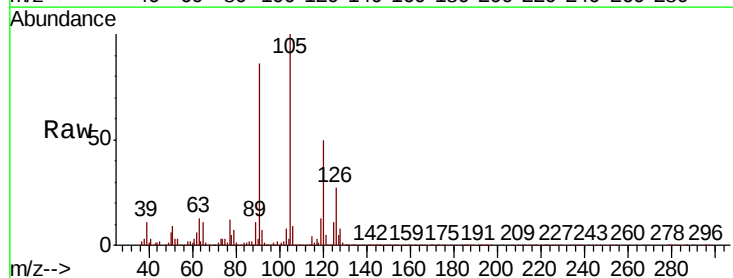
Acq: 21 Aug 2019 16:17

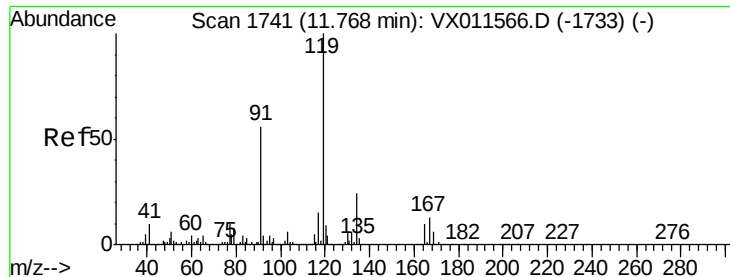
Tgt Ion: 91 Resp: 241310

Ion Ratio Lower Upper

91 100

126 32.1 16.4 49.1

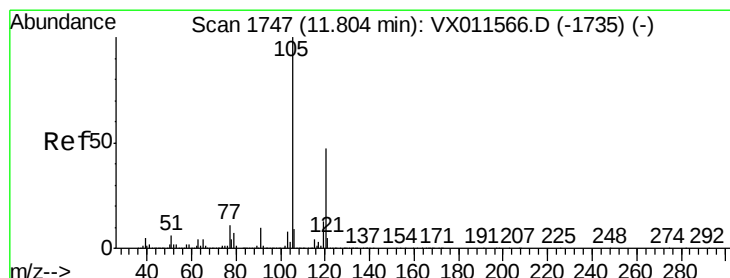
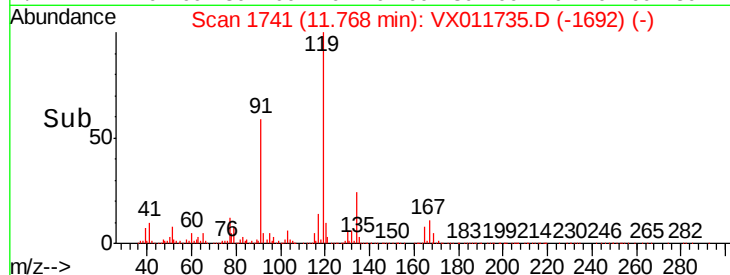
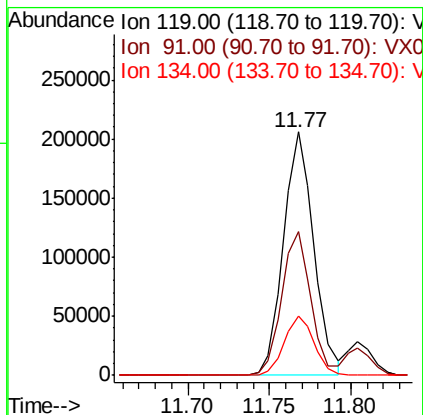
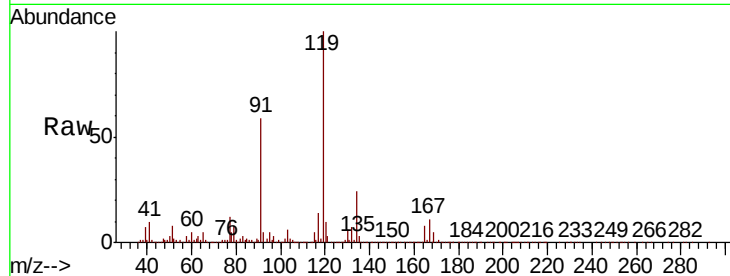




#83
 tert-Butylbenzene
 Concen: 21.108 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX011735.D
 Acq: 21 Aug 2019 16:17

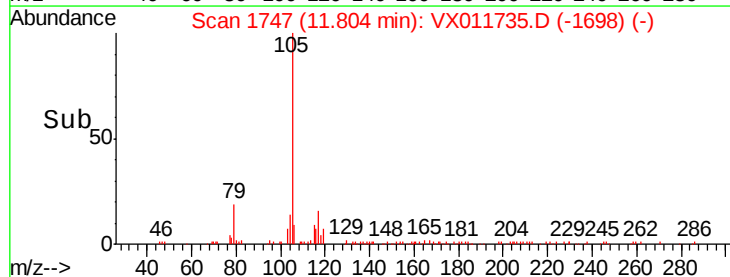
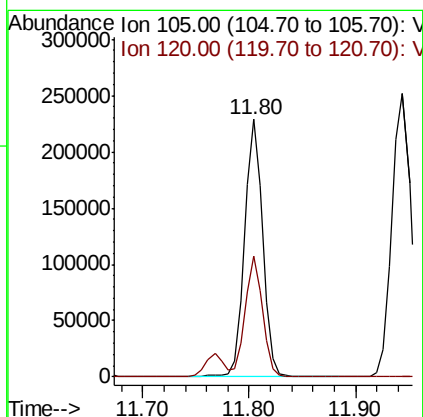
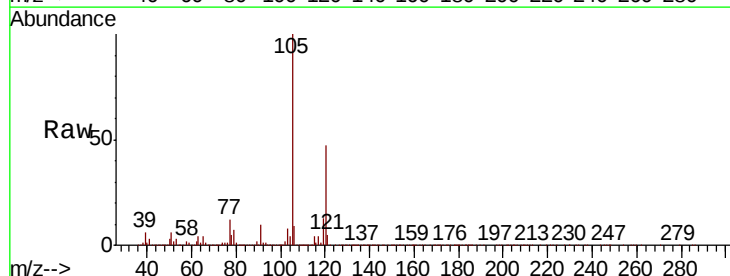
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0821WBSD01

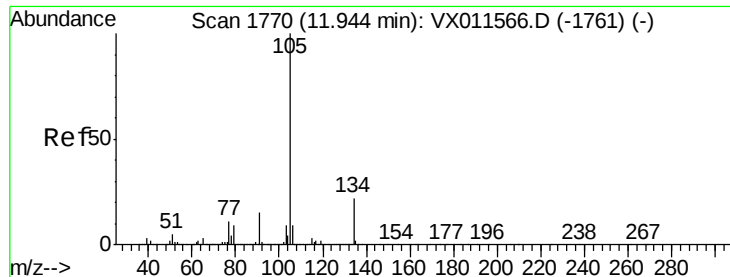
Tgt Ion	Ratio	Lower	Upper
119	100		
91	57.3	27.1	81.3
134	23.9	11.8	35.3



#84
 1,2,4-Trimethylbenzene
 Concen: 21.951 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX011735.D
 Acq: 21 Aug 2019 16:17

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	23.3	69.9





#85

sec-Butylbenzene

Concen: 21.746 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011735.D

Acq: 21 Aug 2019 16:17

Instrument :

MSVOA_X

ClientSampleId :

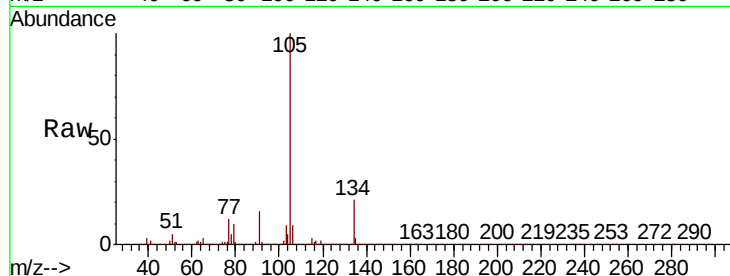
VX0821WBSD01

Tgt Ion:105 Resp: 309124

Ion Ratio Lower Upper

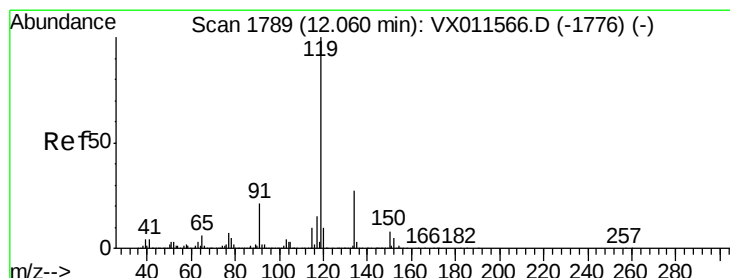
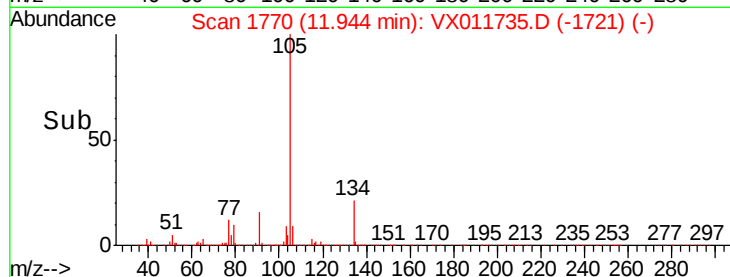
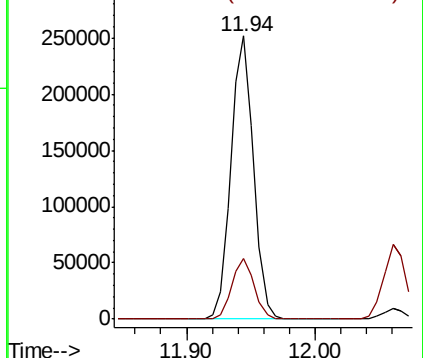
105 100

134 21.4 10.8 32.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.689 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX011735.D

Acq: 21 Aug 2019 16:17

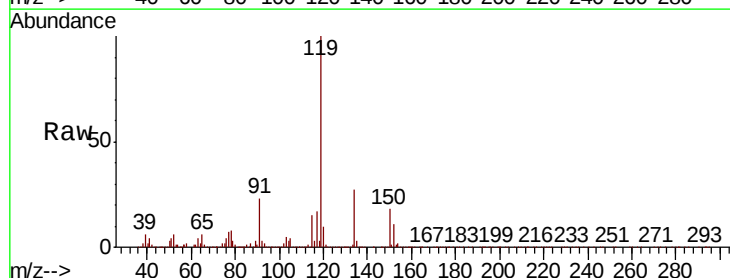
Tgt Ion:119 Resp: 290056

Ion Ratio Lower Upper

119 100

134 27.2 13.6 40.8

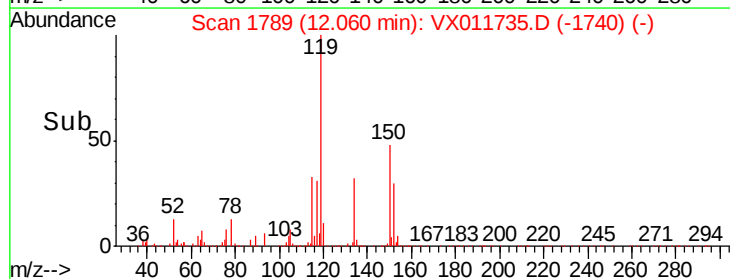
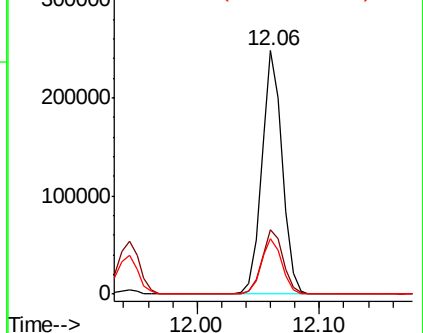
91 23.2 10.9 32.9

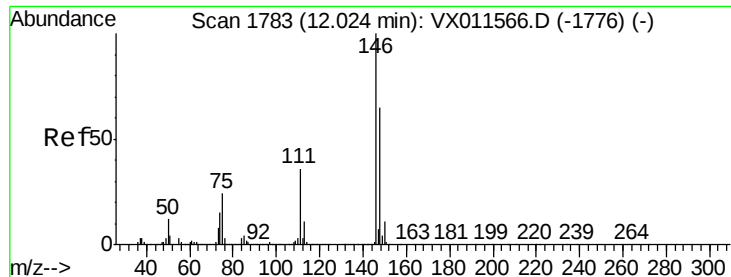


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 20.637 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX011735.D

Acq: 21 Aug 2019 16:17

Instrument :

MSVOA_X

ClientSampleId :

VX0821WBSD01

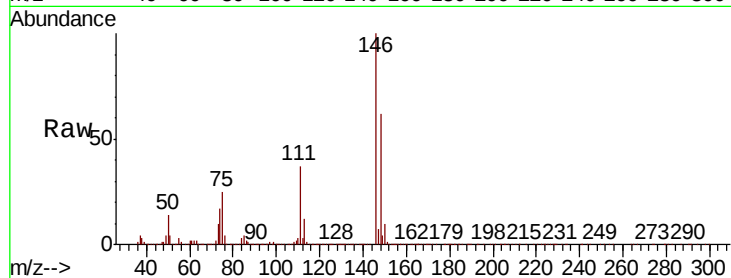
Tgt Ion:146 Resp: 155418

Ion Ratio Lower Upper

146 100

111 37.9 18.1 54.4

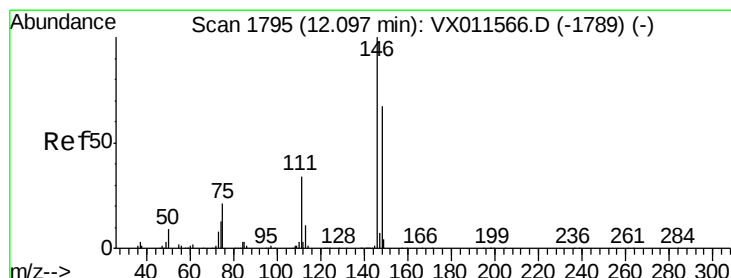
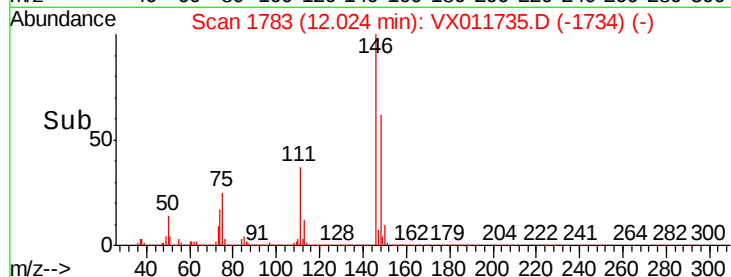
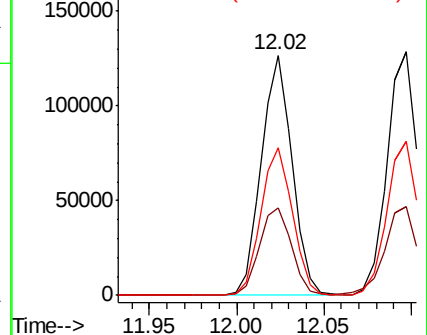
148 63.0 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 20.544 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX011735.D

Acq: 21 Aug 2019 16:17

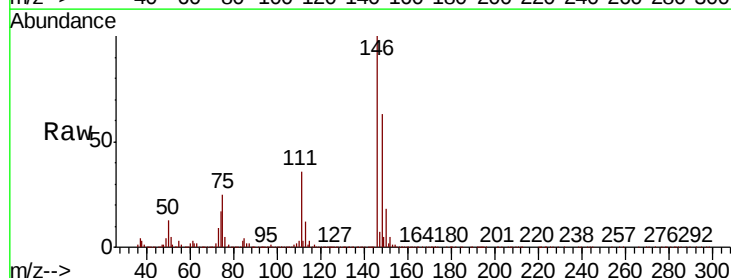
Tgt Ion:146 Resp: 156810

Ion Ratio Lower Upper

146 100

111 38.0 17.9 53.7

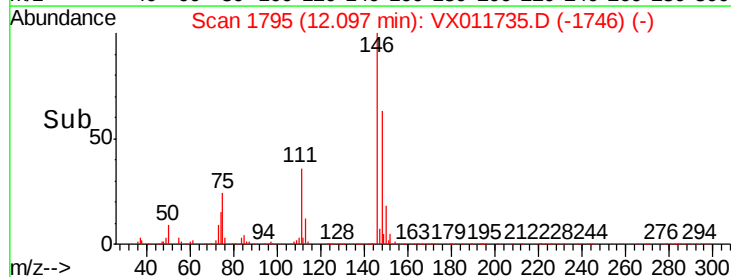
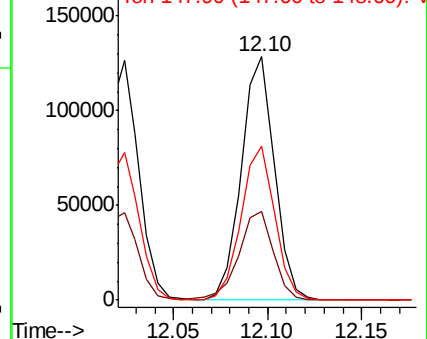
148 64.4 32.5 97.5

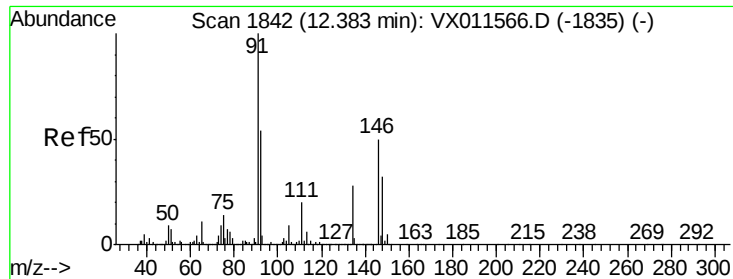


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

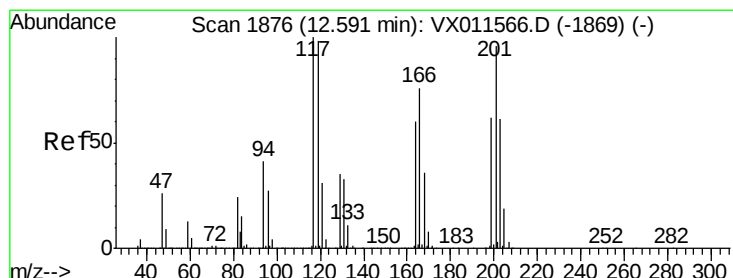
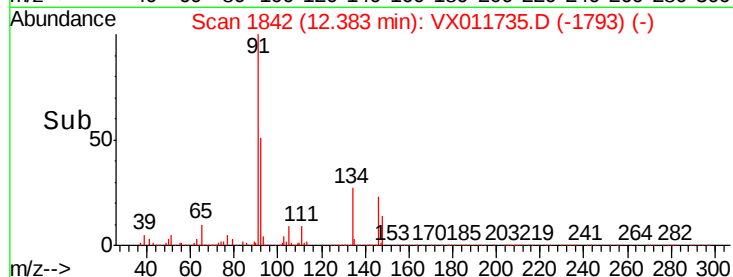
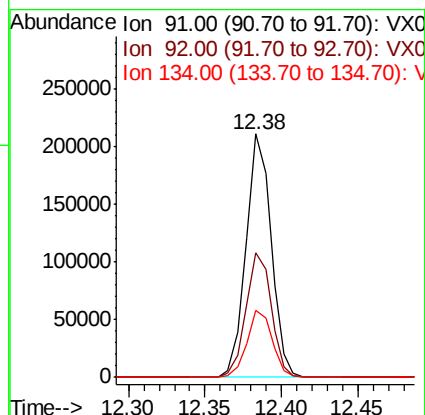
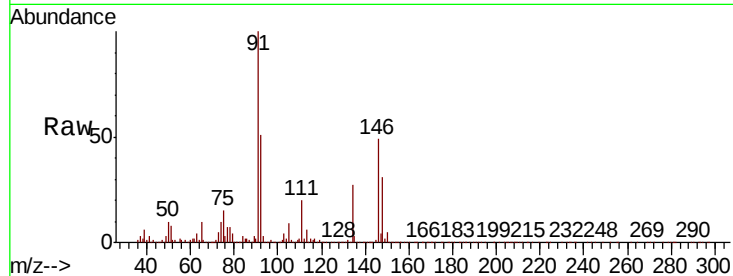




#89
n-Butylbenzene
Concen: 21.901 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX011735.D
Acq: 21 Aug 2019 16:17

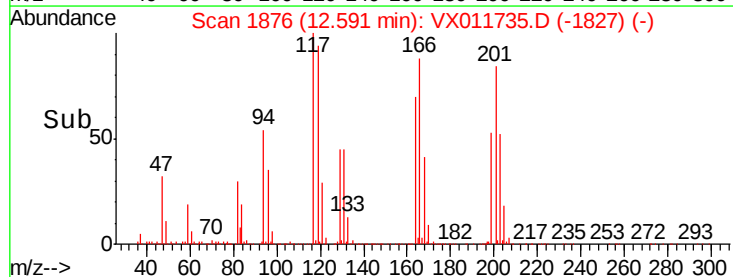
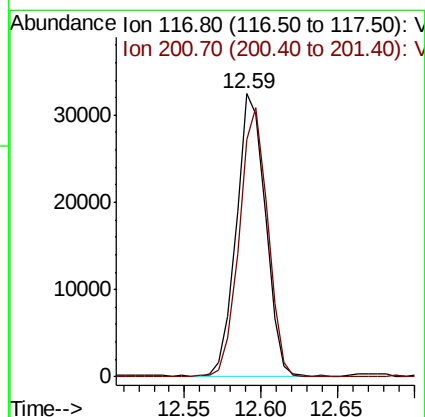
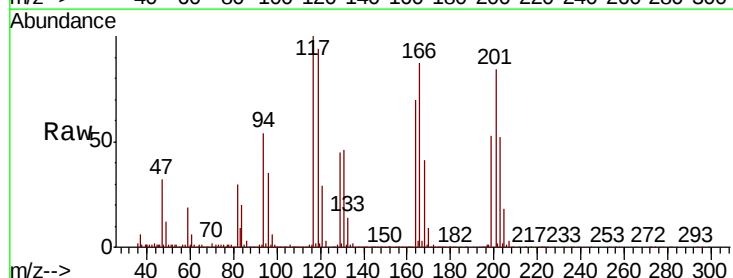
Instrument :
MSVOA_X
ClientSampleId :
VX0821WBSD01

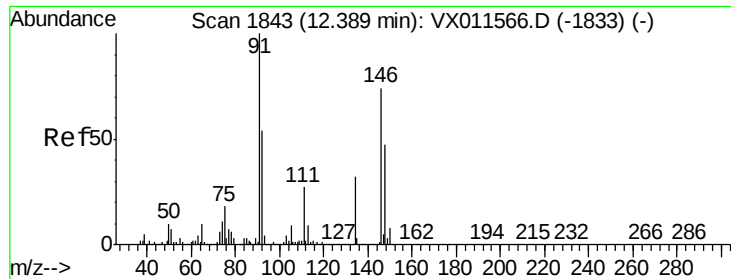
Tgt Ion: 91 Resp: 240800
Ion Ratio Lower Upper
91 100
92 51.7 26.8 80.3
134 27.5 14.6 44.0



#90
Hexachloroethane
Concen: 20.149 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. 0.00 min
Lab File: VX011735.D
Acq: 21 Aug 2019 16:17

Tgt Ion: 117 Resp: 42552
Ion Ratio Lower Upper
117 100
201 93.8 51.9 155.7

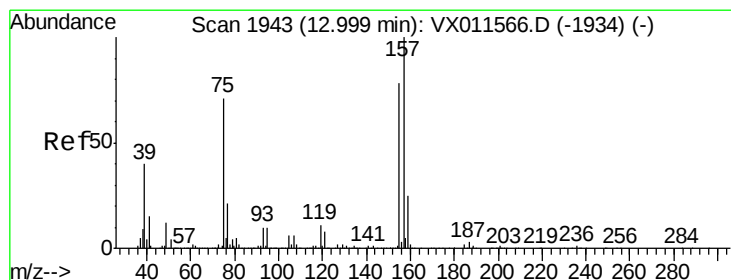
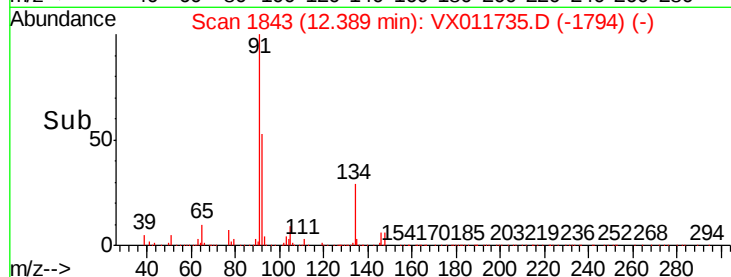
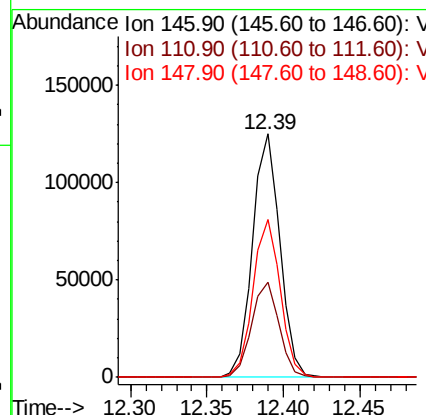
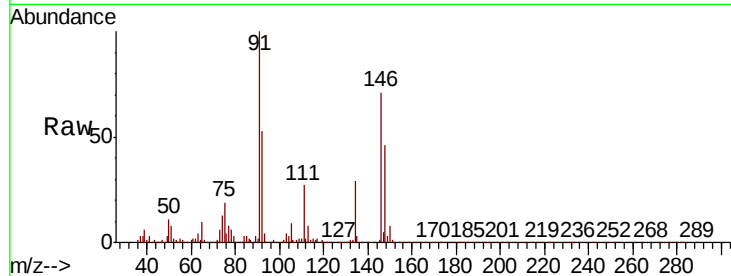




#91
 1,2-Dichlorobenzene
 Concen: 20.488 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX011735.D
 Acq: 21 Aug 2019 16:17

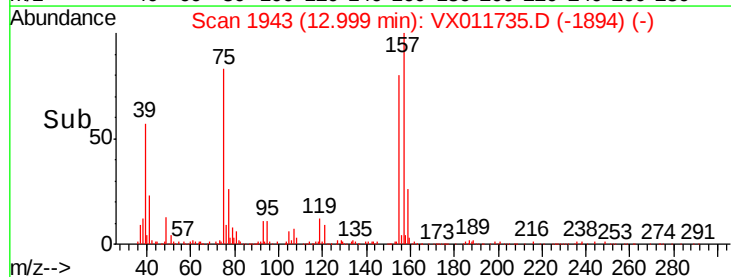
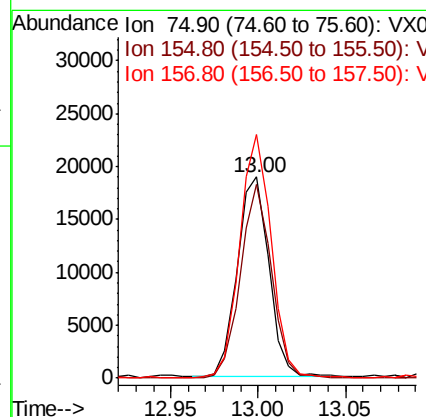
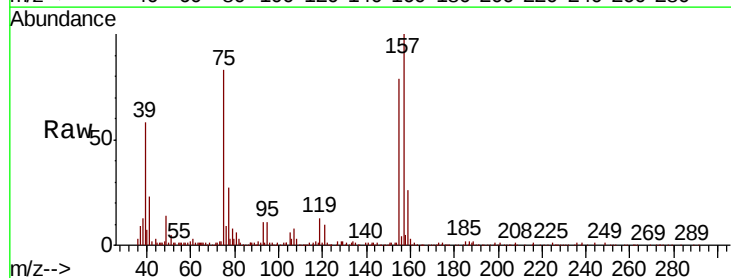
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0821WBSD01

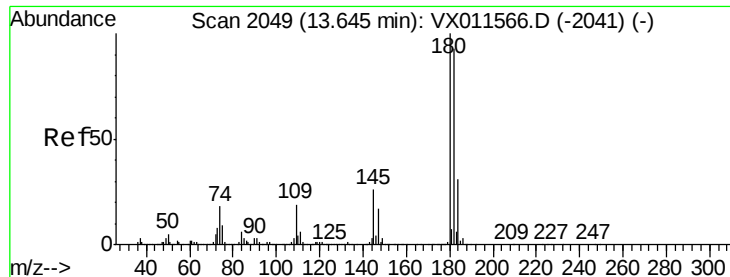
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	18.9	56.7
148	64.7	31.9	95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.563 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX011735.D
 Acq: 21 Aug 2019 16:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.3	53.0	159.0
157	121.9	68.3	205.1

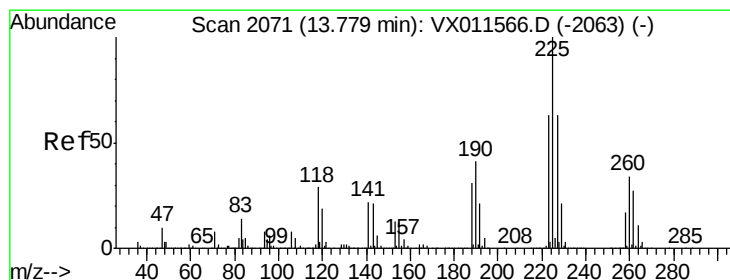
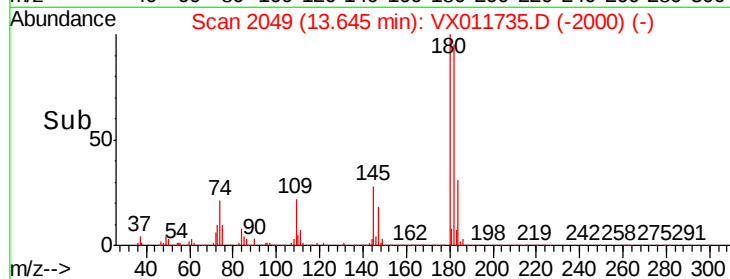
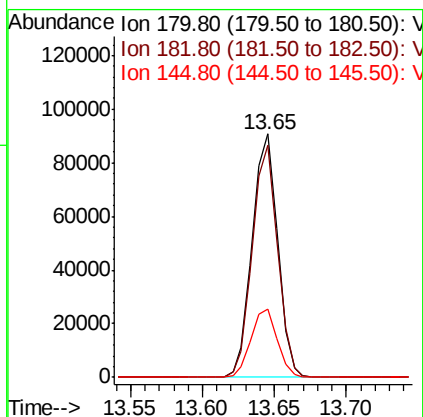
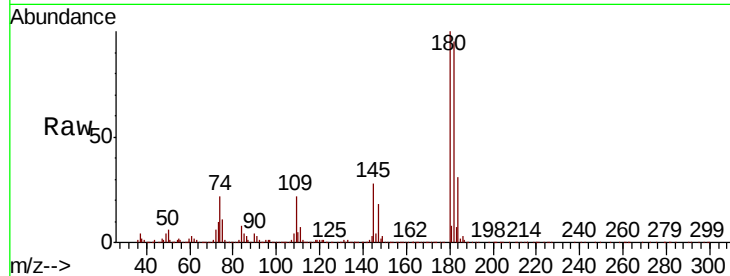




#93
 1,2,4-Trichlorobenzene
 Concen: 19.709 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX011735.D
 Acq: 21 Aug 2019 16:17

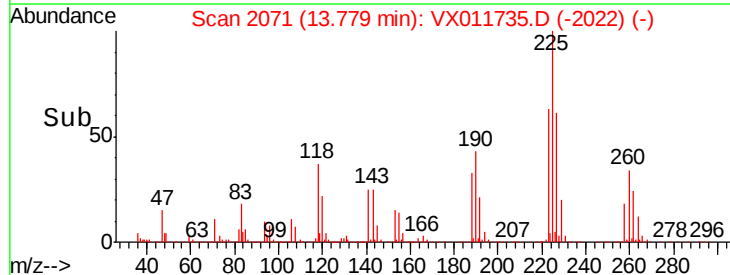
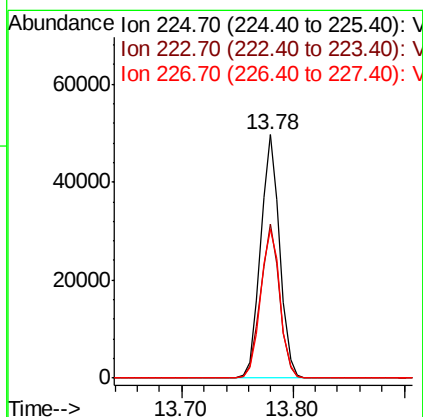
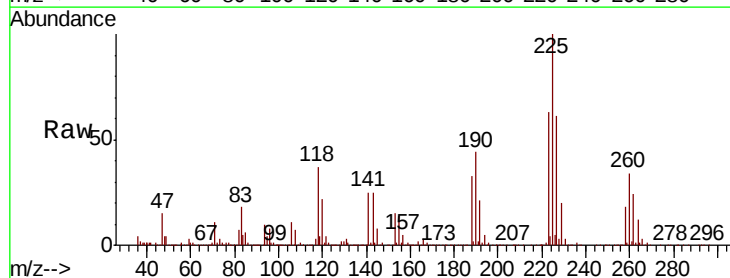
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0821WBSD01

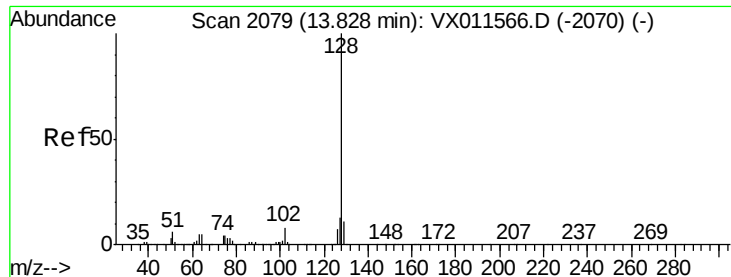
Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.3	142.0
145	28.8	13.6	40.8



#94
 Hexachlorobutadiene
 Concen: 19.446 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX011735.D
 Acq: 21 Aug 2019 16:17

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.4	94.0
227	62.5	31.2	93.6





#95

Naphthalene

Concen: 21.116 ug/l

RT: 13.83 min Scan# 2079

Delta R.T. 0.00 min

Lab File: VX011735.D

Acq: 21 Aug 2019 16:17

Instrument :

MSVOA_X

ClientSampled :

VX0821WBSD01

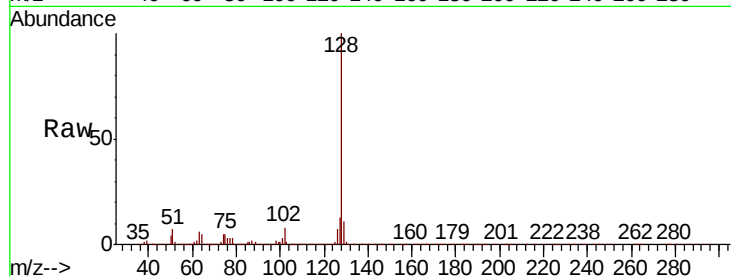
Tgt Ion:128 Resp: 336259

Ion Ratio Lower Upper

128 100

127 13.0 10.3 15.5

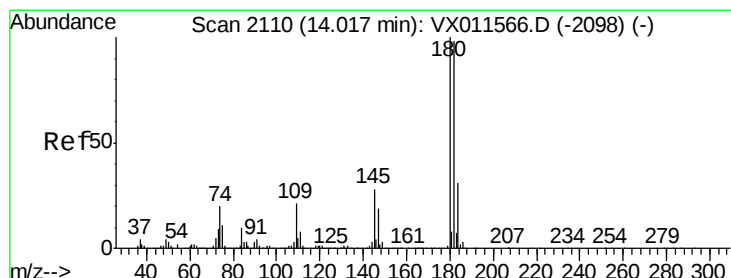
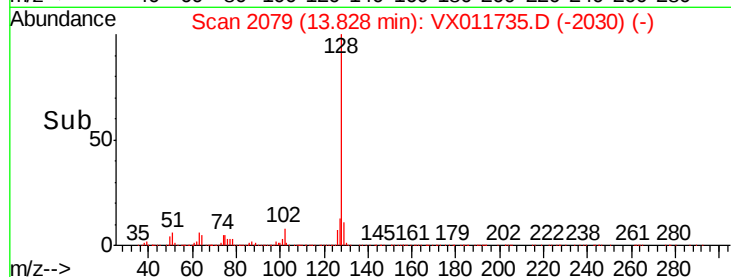
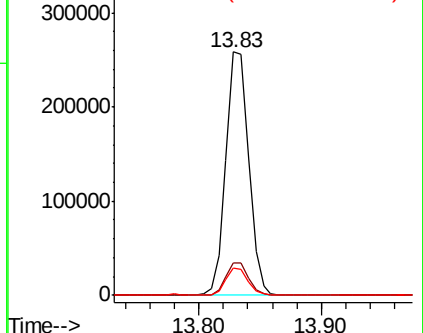
129 11.1 8.7 13.1



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: 19.786 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX011735.D

Acq: 21 Aug 2019 16:17

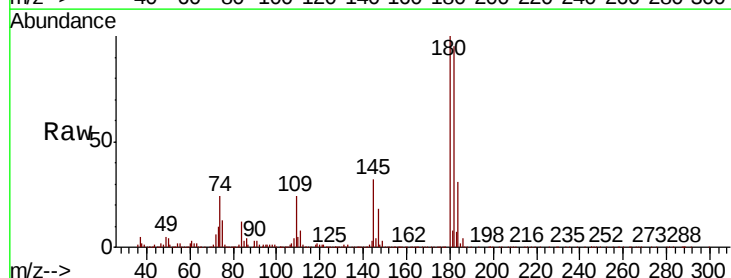
Tgt Ion:180 Resp: 112417

Ion Ratio Lower Upper

180 100

182 97.7 48.0 144.0

145 31.1 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

