

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082819\
 Data File : VX011882.D
 Acq On : 28 Aug 2019 21:32
 Operator : SY/SP
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 29 11:33:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 28 15:10:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	317800	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	476145	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	452782	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	246158	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	158953	56.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.72%	
35) Dibromofluoromethane	5.49	113	142583	49.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.56%	
50) Toluene-d8	8.71	98	544797	50.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.16%	
62) 4-Bromofluorobenzene	11.13	95	214440	49.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.82%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.19	85	81667	41.447	ug/l 100
3) Chloromethane	1.32	50	111713	44.714	ug/l 98
4) Vinyl Chloride	1.40	62	103070	45.218	ug/l 100
5) Bromomethane	1.63	94	69699	52.146	ug/l 100
6) Chloroethane	1.71	64	64617	44.272	ug/l 99
7) Trichlorofluoromethane	1.92	101	164679	43.951	ug/l 98
8) Diethyl Ether	2.18	74	64173	56.168	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	107403	44.601	ug/l 99
10) Methyl Iodide	2.50	142	108762	43.921	ug/l 99
11) Tert butyl alcohol	3.03	59	55965	330.866	ug/l 100
12) 1,1-Dichloroethene	2.37	96	120478	50.566	ug/l 98
13) Acrolein	2.29	56	26720	251.315	ug/l 100
14) Allyl chloride	2.72	41	189466	47.090	ug/l 98
15) Acrylonitrile	3.14	53	169746	279.552	ug/l 99
16) Acetone	2.43	43	231586	291.753	ug/l 100
17) Carbon Disulfide	2.56	76	333655	46.390	ug/l 100
18) Methyl Acetate	2.76	43	119600	73.948	ug/l 100
19) Methyl tert-butyl Ether	3.18	73	362066	55.911	ug/l 98
20) Methylene Chloride	2.85	84	149818	56.205	ug/l 99
21) trans-1,2-Dichloroethene	3.15	96	136947	50.832	ug/l 99
22) Diisopropyl ether	3.84	45	430364	53.868	ug/l 95
23) Vinyl Acetate	3.81	43	800625	227.695	ug/l 98
24) 1,1-Dichloroethane	3.68	63	243562	51.699	ug/l 99
25) 2-Butanone	4.66	43	217817	263.641	ug/l 97
26) 2,2-Dichloropropane	4.57	77	146394	38.108	ug/l 97
27) cis-1,2-Dichloroethene	4.59	96	162842	52.982	ug/l 97
28) Bromochloromethane	5.01	49	111201	52.574	ug/l 98
29) Tetrahydrofuran	5.12	42	141578	289.569	ug/l 100
30) Chloroform	5.20	83	262319	53.213	ug/l 97
31) Cyclohexane	5.57	56	179843	43.843	ug/l 98
32) 1,1,1-Trichloroethane	5.49	97	209795	47.327	ug/l 100
36) 1,1-Dichloropropene	5.79	75	174435	44.537	ug/l 99
37) Ethyl Acetate	4.82	43	81553	49.520	ug/l 100
38) Carbon Tetrachloride	5.77	117	153821	40.307	ug/l 98

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Quant Time: Aug 29 11:33:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 28 15:10:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	195281	40.797	ug/l	98
40) Benzene	6.13	78	551648	48.830	ug/l	99
41) Methacrylonitrile	5.03	41	58587	52.443	ug/l	99
42) 1,2-Dichloroethane	6.18	62	187468	52.262	ug/l	99
43) Isopropyl Acetate	6.43	43	159959	49.437	ug/l	100
44) Trichloroethene	7.21	130	191322	50.379	ug/l	100
45) 1,2-Dichloropropane	7.51	63	139475	49.615	ug/l	99
46) Dibromomethane	7.65	93	86090	51.692	ug/l	99
47) Bromodichloromethane	7.89	83	190357	48.611	ug/l	98
48) Methyl methacrylate	7.76	41	82870	51.215	ug/l	98
49) 1,4-Dioxane	7.74	88	19471	1116.763	ug/l	96
51) 4-Methyl-2-Pentanone	8.63	43	362670	278.259	ug/l	100
52) Toluene	8.78	92	353187	48.513	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	137188	41.119	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	184205	43.731	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	113728	52.401	ug/l	98
56) Ethyl methacrylate	9.18	69	106931	50.531	ug/l	99
57) 1,3-Dichloropropane	9.37	76	182664	50.639	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	146280	218.844	ug/l	100
59) 2-Hexanone	9.49	43	226259	271.651	ug/l	99
60) Dibromochloromethane	9.58	129	141045	48.837	ug/l	99
61) 1,2-Dibromoethane	9.66	107	104780	49.308	ug/l	99
64) Tetrachloroethene	9.34	164	222419	50.480	ug/l	95
65) Chlorobenzene	10.13	112	392486	46.806	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	138392	44.987	ug/l	100
67) Ethyl Benzene	10.25	91	654726	45.456	ug/l	99
68) m/p-Xylenes	10.35	106	500647	91.311	ug/l	99
69) o-Xylene	10.69	106	241205	46.751	ug/l	99
70) Styrene	10.71	104	401753	47.083	ug/l	100
71) Bromoform	10.85	173	93543	46.928	ug/l	98
73) Isopropylbenzene	11.01	105	612872	43.115	ug/l	100
74) N-amyl acetate	6.43	43	159959	44.687	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.26	83	106817	44.910	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	99553	52.654	ug/l	89
77) Bromobenzene	11.25	156	180407	45.525	ug/l	99
78) n-propylbenzene	11.35	91	670577	42.885	ug/l	100
79) 2-Chlorotoluene	11.41	91	429987	43.880	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	526305	44.132	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	18785	36.572	ug/l	97
82) 4-Chlorotoluene	11.51	91	503974	44.364	ug/l	99
83) tert-Butylbenzene	11.77	119	481484	43.443	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	510403	45.116	ug/l	100
85) sec-Butylbenzene	11.94	105	563564	43.772	ug/l	100
86) p-Isopropyltoluene	12.06	119	520023	43.851	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	320500	45.041	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	310286	45.024	ug/l	99
89) n-Butylbenzene	12.38	91	425866	43.287	ug/l	100
90) Hexachloroethane	12.59	117	71922	37.792	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	284458	46.826	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	15330	45.778	ug/l	94

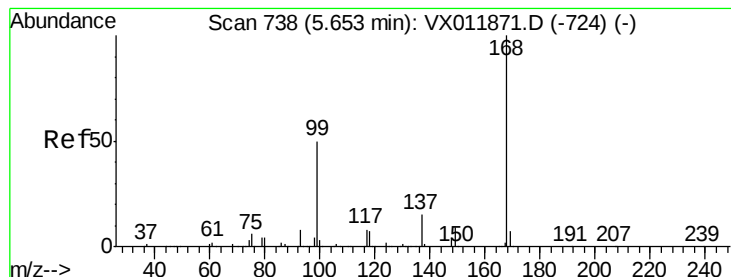
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Quant Title : SW846 8260
QLast Update : Wed Aug 28 15:10:21 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	200030	47.446	ug/l	100
94) Hexachlorobutadiene	13.78	225	138983	45.213	ug/l	99
95) Naphthalene	13.83	128	261129	51.514	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	169684	49.605	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: VX011882.D

Acq: 28 Aug 2019 21:32

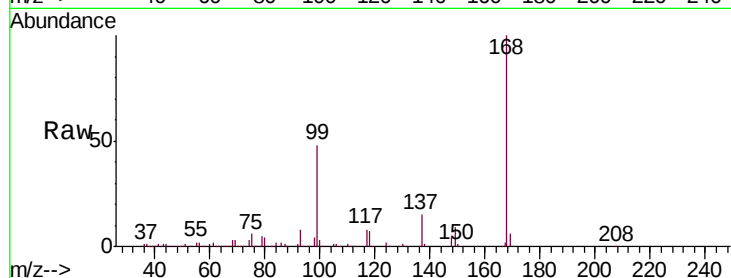
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 317800

Ion Ratio Lower Upper

168 100

99 47.7 39.6 59.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

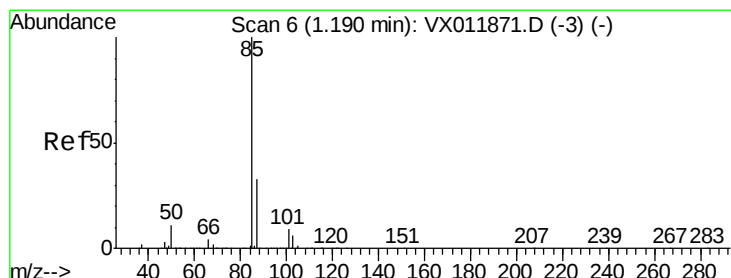
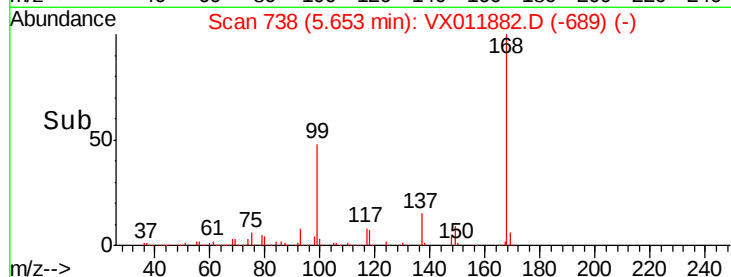
5.65

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 41.447 ug/l

RT: 1.19 min Scan# 6

Delta R.T. -0.00 min

Lab File: VX011882.D

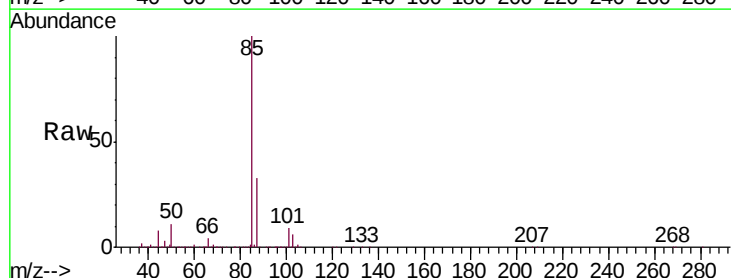
Acq: 28 Aug 2019 21:32

Tgt Ion: 85 Resp: 81667

Ion Ratio Lower Upper

85 100

87 32.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

80000

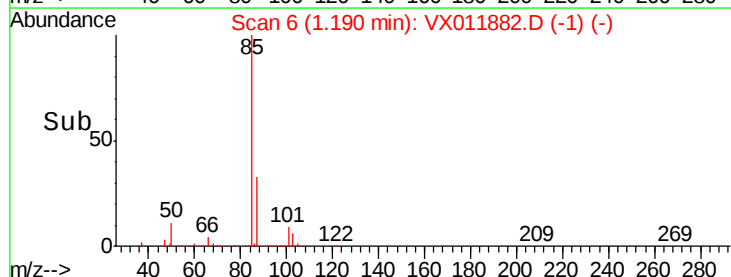
60000

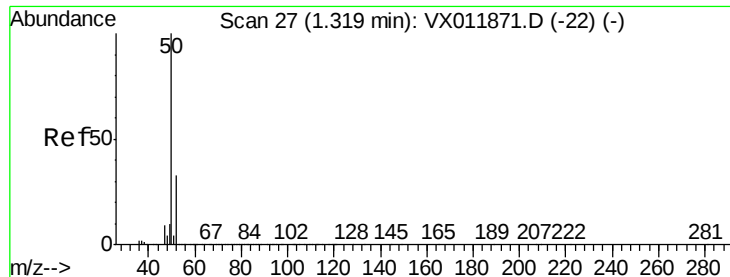
40000

20000

0

Time-->





#3

Chloromethane

Concen: 44.714 ug/l

RT: 1.32 min Scan# 27

Delta R.T. -0.00 min

Lab File: VX011882.D

Acq: 28 Aug 2019 21:32

Instrument :

MSVOA_X

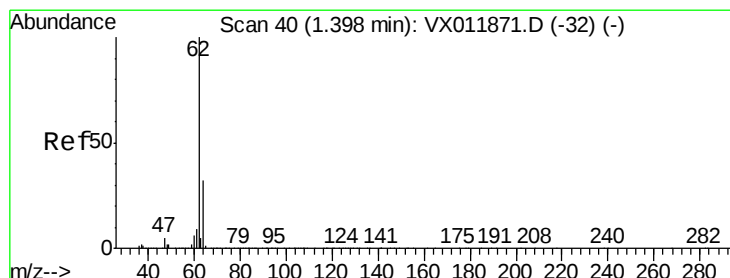
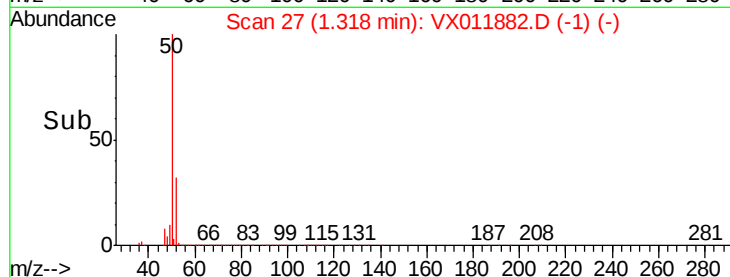
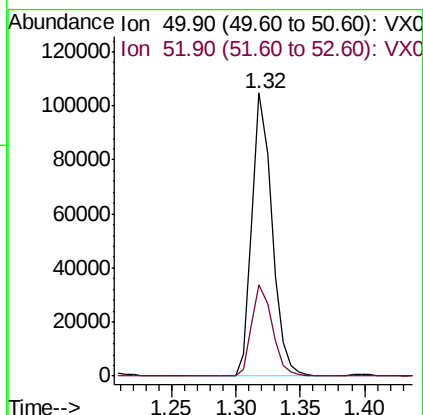
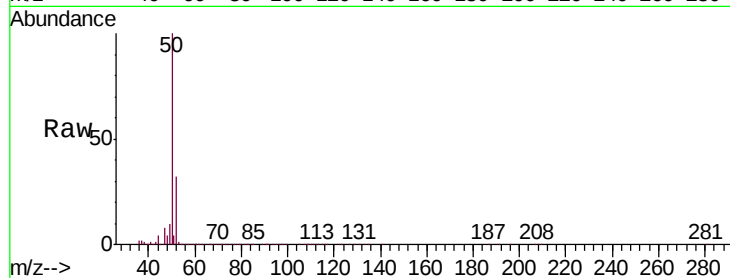
ClientSampleId :

Tot Ion: 50 Resp: 111713

Ion Ratio Lower Upper

50 100

52 32.2 26.5 39.7



#4

Vinyl Chloride

Concen: 45.218 ug/l

RT: 1.40 min Scan# 40

Delta R.T. -0.00 min

Lab File: VX011882.D

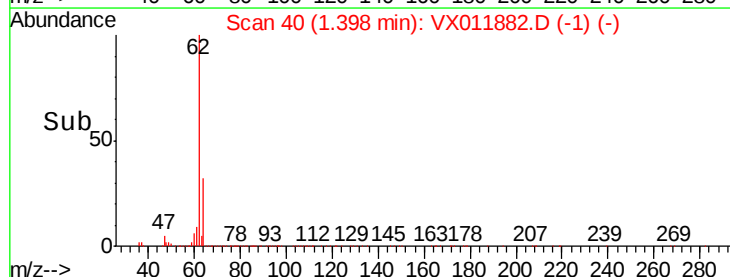
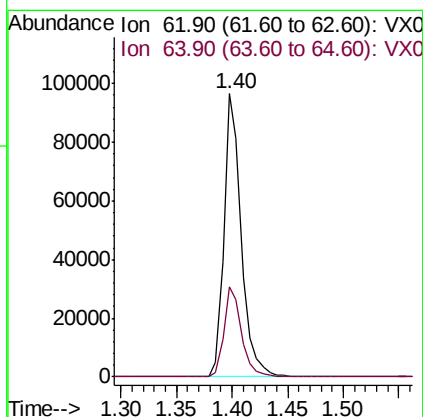
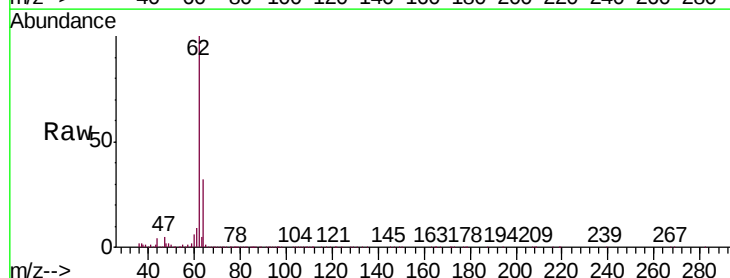
Acq: 28 Aug 2019 21:32

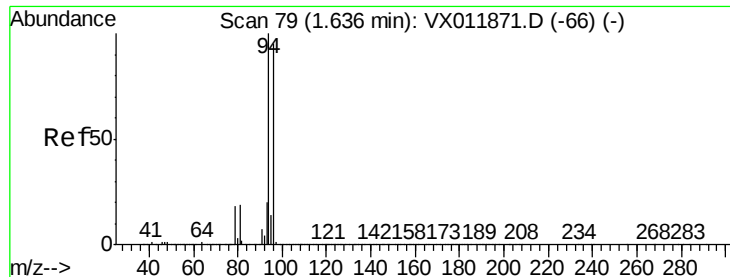
Tgt Ion: 62 Resp: 103070

Ion Ratio Lower Upper

62 100

64 31.7 25.3 37.9





#5

Bromomethane

Concen: 52.146 ug/l

RT: 1.63 min Scan# 78

Delta R.T. -0.01 min

Lab File: VX011882.D

Acq: 28 Aug 2019 21:32

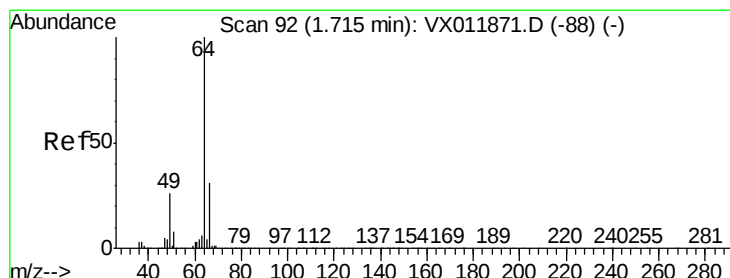
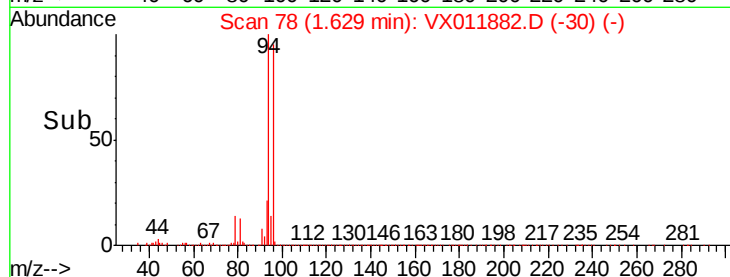
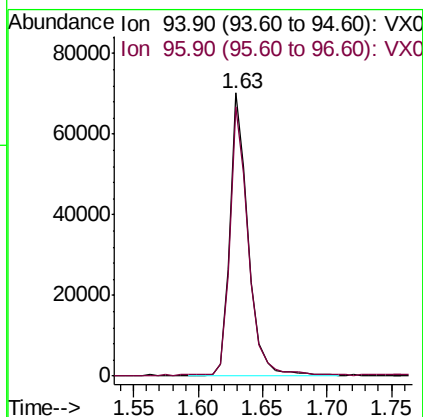
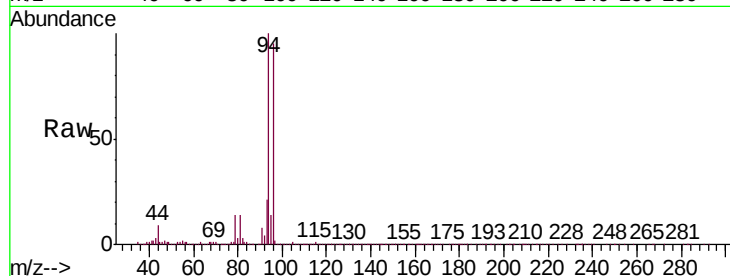
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 94 Resp: 69699

Ion Ratio Lower Upper

94 100

96 95.0 76.0 114.0



#6

Chloroethane

Concen: 44.272 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX011882.D

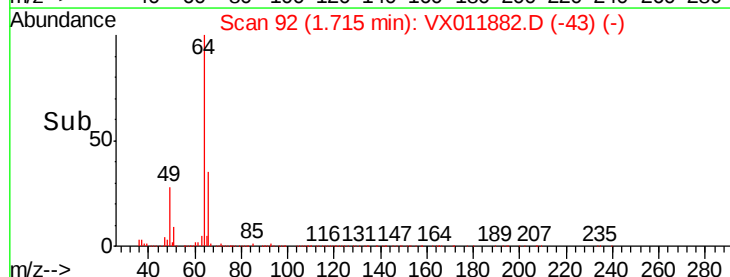
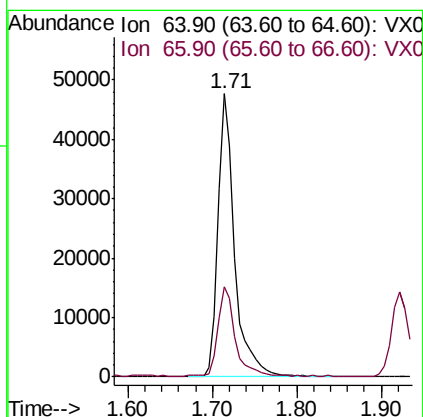
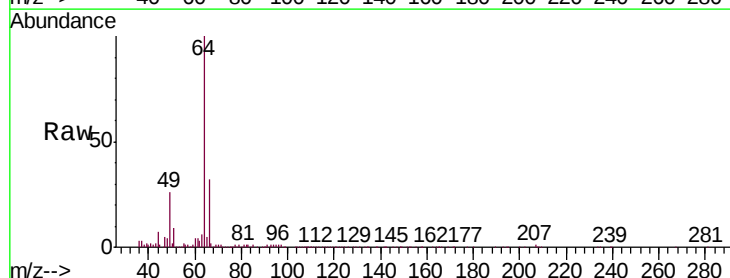
Acq: 28 Aug 2019 21:32

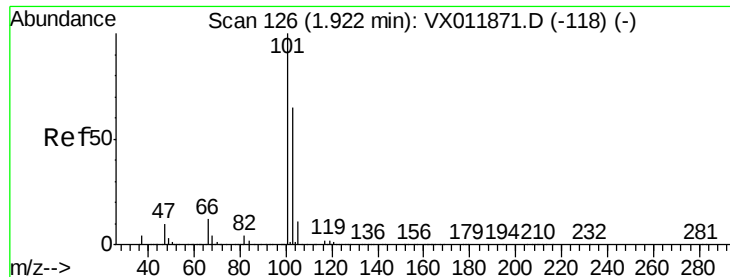
Tgt Ion: 64 Resp: 64617

Ion Ratio Lower Upper

64 100

66 31.8 25.0 37.4



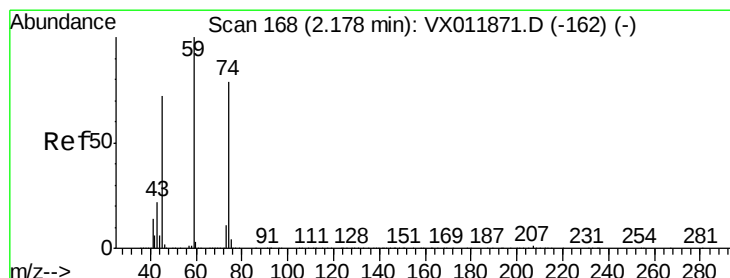
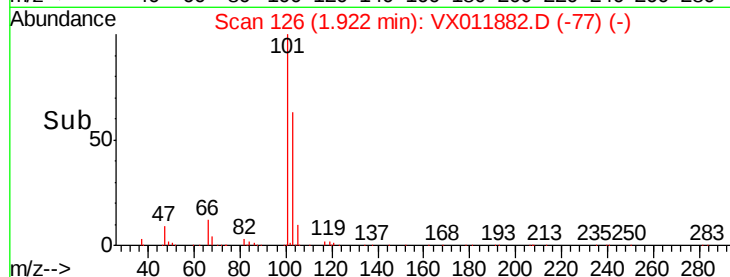
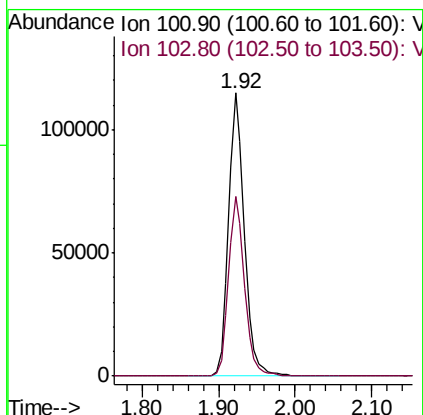
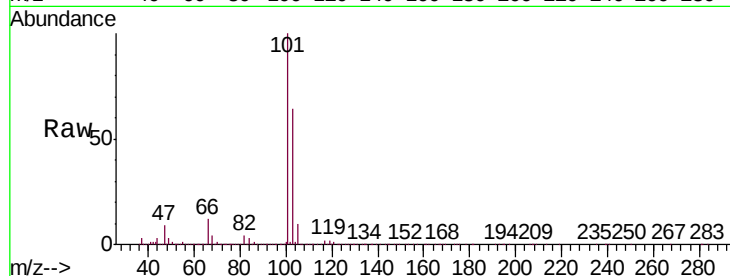


#7

Trichlorofluoromethane
Concen: 43.951 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.00 min
Lab File: VX011882.D
Acq: 28 Aug 2019 21:32

Instrument :
MSVOA_X
ClientSampleId :

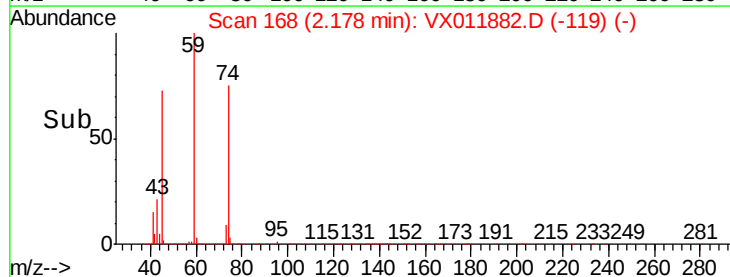
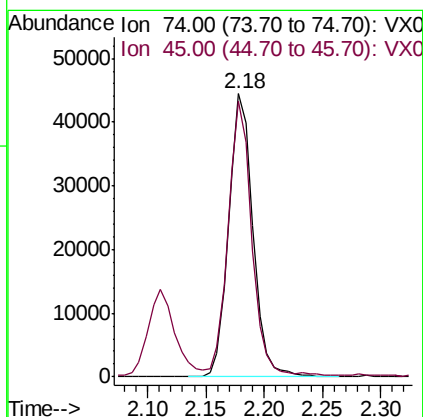
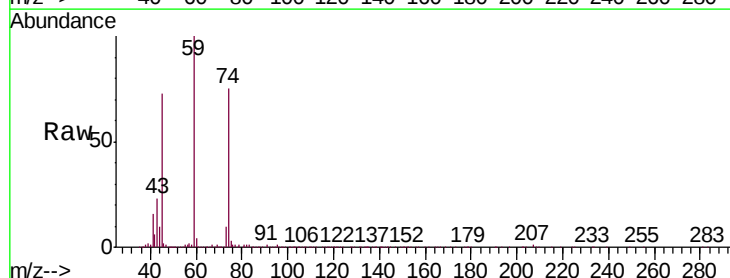
Tot Ion:101 Resp: 164679
Ion Ratio Lower Upper
101 100
103 63.4 51.8 77.8

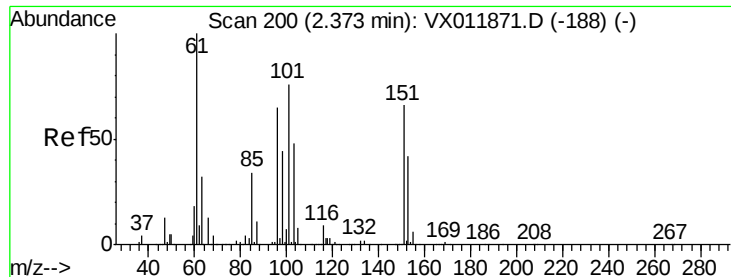


#8

Diethyl Ether
Concen: 56.168 ug/l
RT: 2.18 min Scan# 168
Delta R.T. -0.00 min
Lab File: VX011882.D
Acq: 28 Aug 2019 21:32

Tgt Ion: 74 Resp: 64173
Ion Ratio Lower Upper
74 100
45 94.1 47.1 141.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.601 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.00 min

Lab File: VX011882.D

Acq: 28 Aug 2019 21:32

Instrument :

MSVOA_X

ClientSampleId :

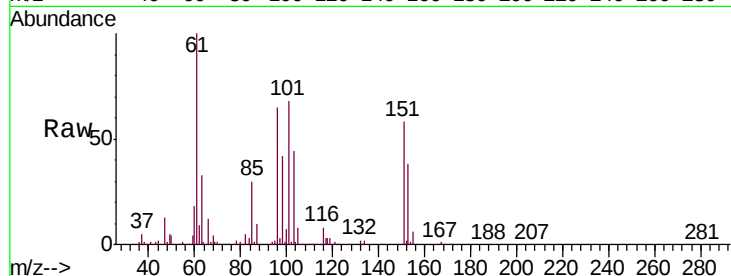
Tot Ion:101 Resp: 107403

Ion Ratio Lower Upper

101 100

85 43.8 34.5 51.7

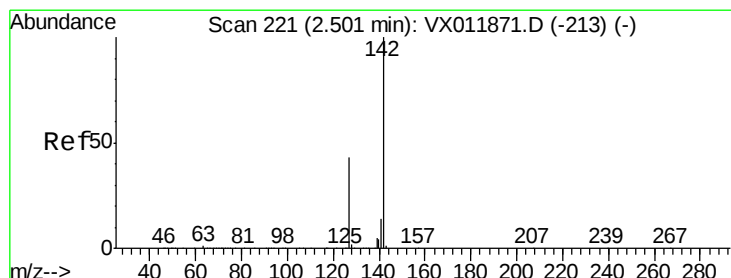
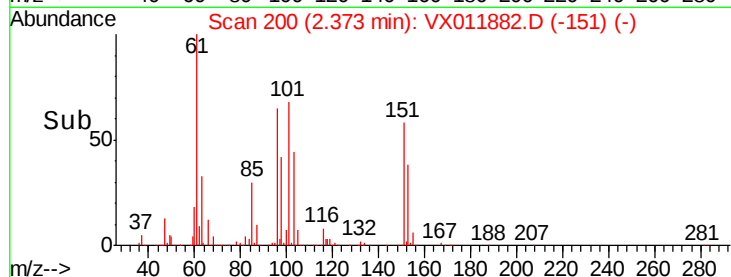
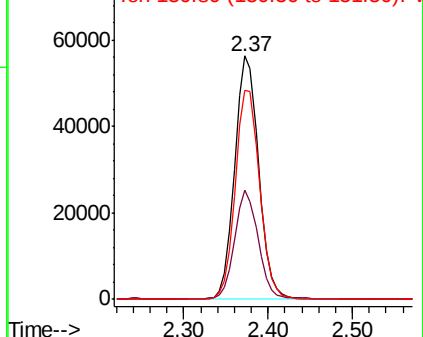
151 87.8 69.4 104.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 43.921 ug/l

RT: 2.50 min Scan# 221

Delta R.T. -0.00 min

Lab File: VX011882.D

Acq: 28 Aug 2019 21:32

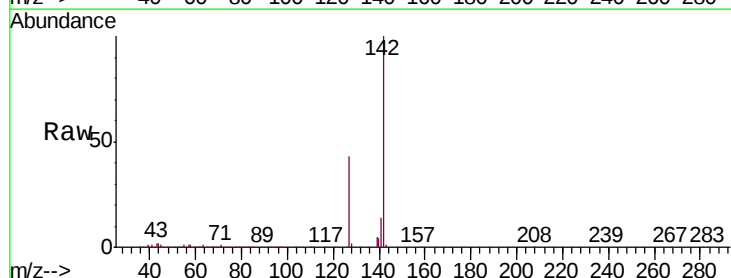
Tgt Ion:142 Resp: 108762

Ion Ratio Lower Upper

142 100

127 42.3 34.5 51.7

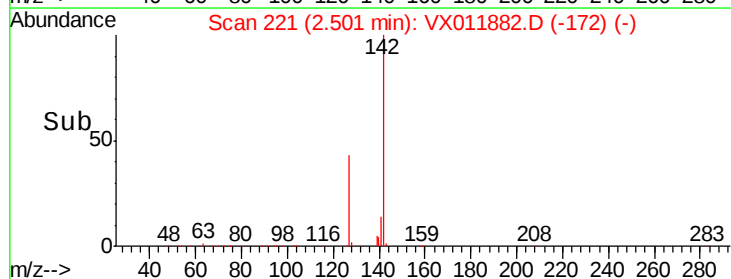
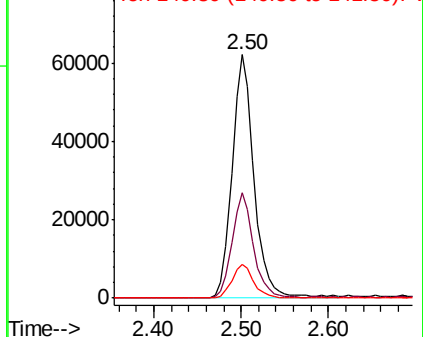
141 13.9 11.6 17.4

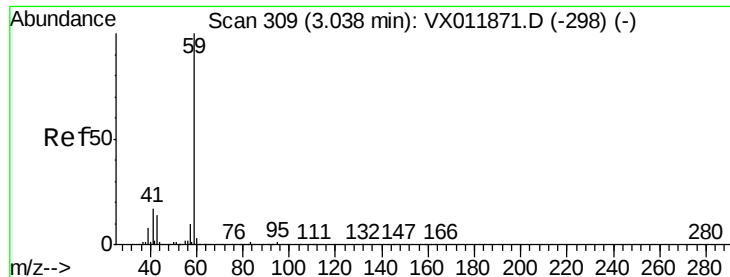


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



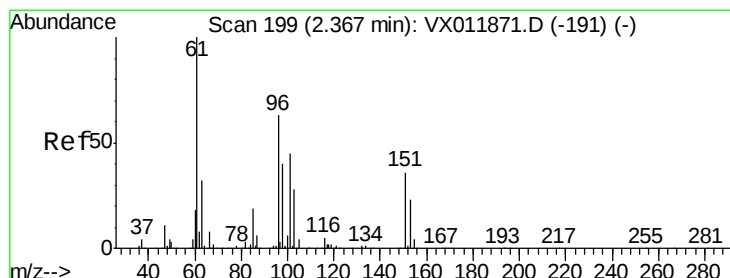
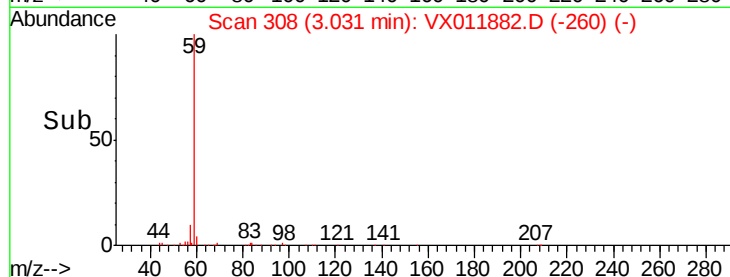
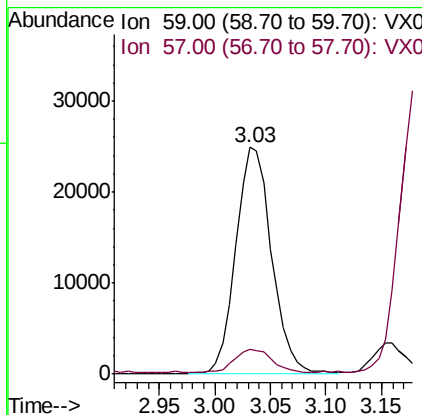
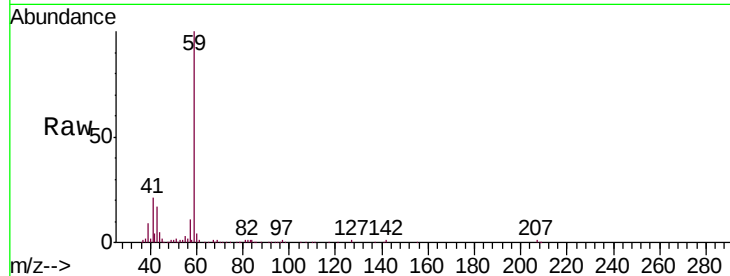


#11

Tert butyl alcohol
 Concen: 330.866 ug/l
 RT: 3.03 min Scan# 308
 Delta R.T. -0.01 min
 Lab File: VX011882.D
 Acq: 28 Aug 2019 21:32

Instrument :
 MSVOA_X
 ClientSampleId :

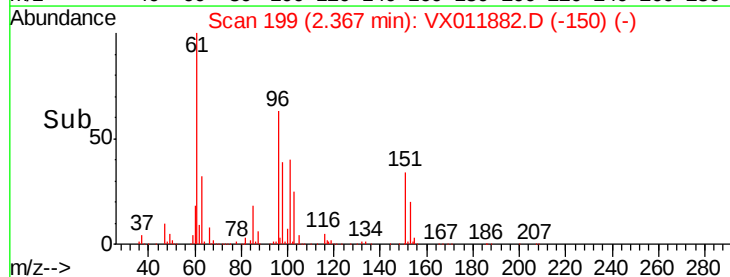
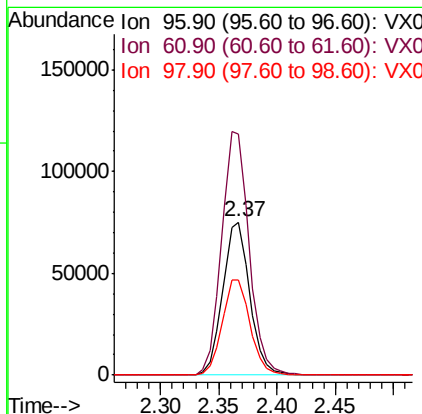
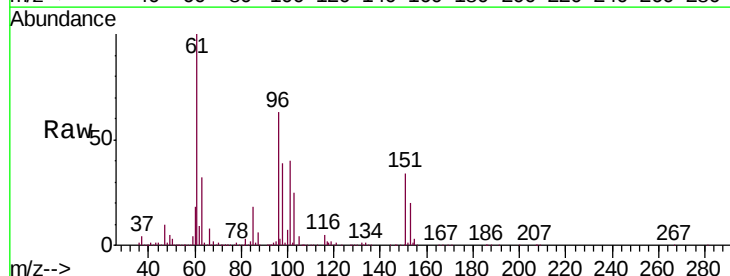
Tot Ion: 59 Resp: 55965
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.3 12.5

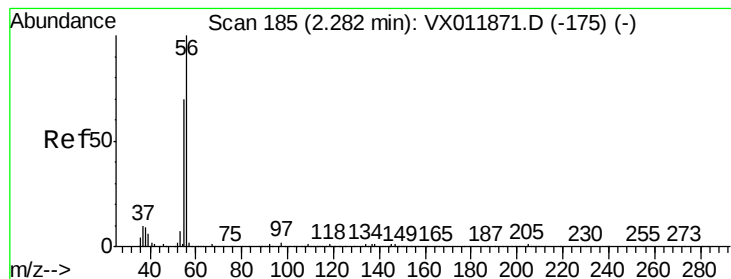


#12

1,1-Dichloroethene
 Concen: 50.566 ug/l
 RT: 2.37 min Scan# 199
 Delta R.T. -0.00 min
 Lab File: VX011882.D
 Acq: 28 Aug 2019 21:32

Tgt Ion: 96 Resp: 120478
 Ion Ratio Lower Upper
 96 100
 61 157.6 128.0 192.0
 98 62.0 51.4 77.2





#13

Acrolein

Concen: 251.315 ug/l

RT: 2.29 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX011882.D

Acq: 28 Aug 2019 21:32

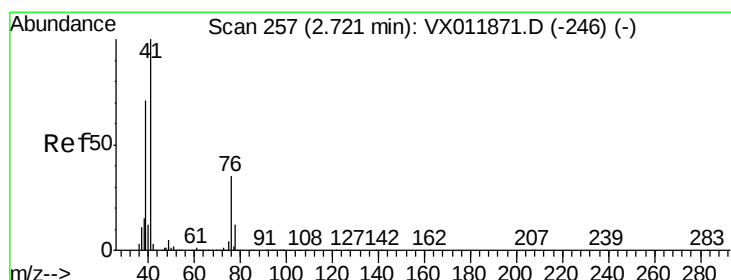
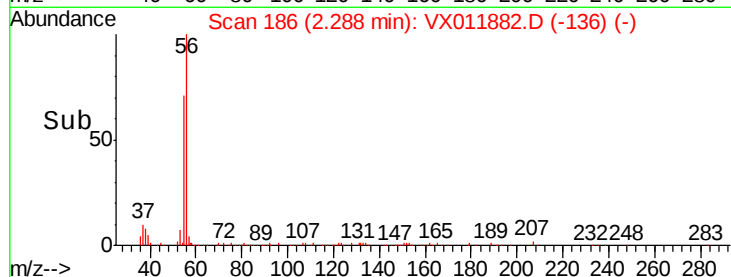
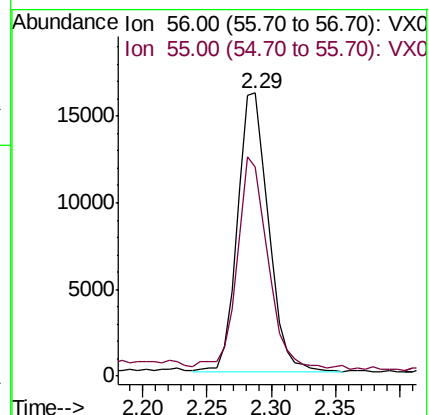
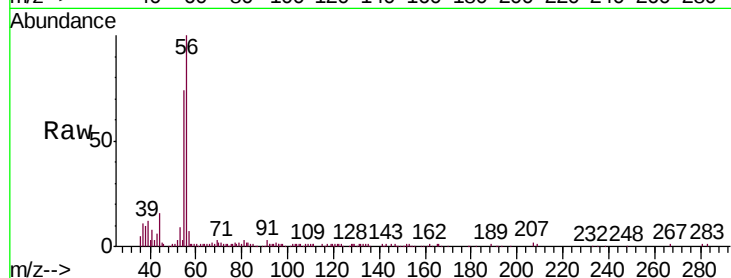
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 26720

Ion Ratio Lower Upper

56 100

55 75.3 60.2 90.4



#14

Allyl chloride

Concen: 47.090 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.00 min

Lab File: VX011882.D

Acq: 28 Aug 2019 21:32

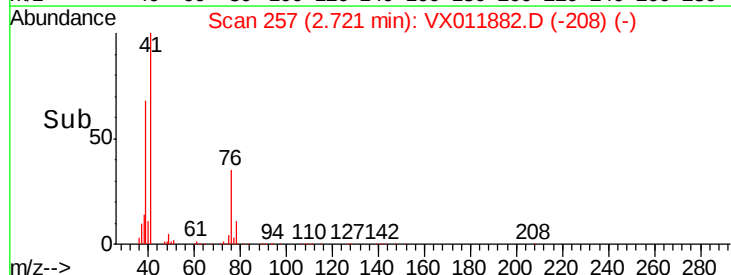
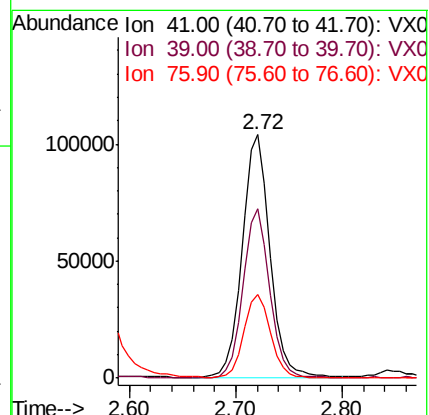
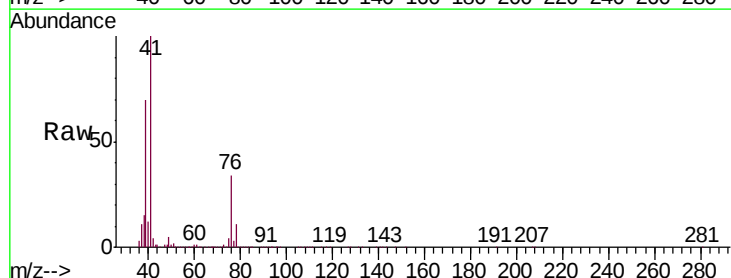
Tgt Ion: 41 Resp: 189466

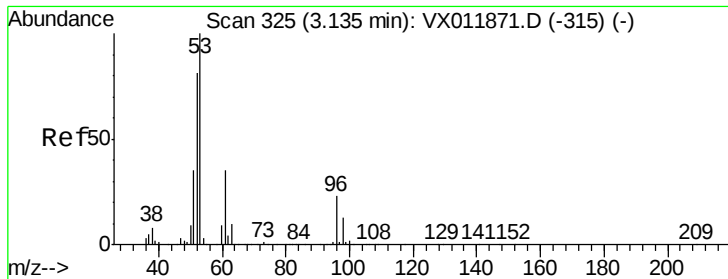
Ion Ratio Lower Upper

41 100

39 66.5 54.6 82.0

76 33.6 27.1 40.7





#15

Acrylonitrile

Concen: 279.552 ug/l

RT: 3.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX011882.D

Acq: 28 Aug 2019 21:32

Instrument :

MSVOA_X

ClientSampled :

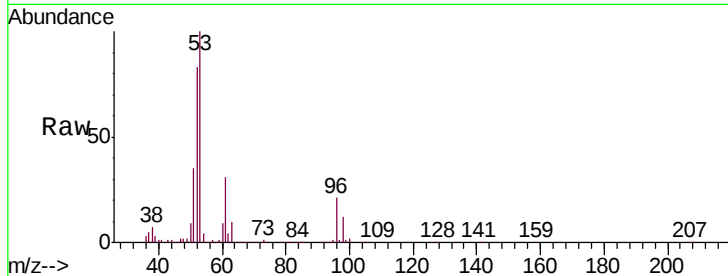
Tot Ion: 53 Resp: 169746

Ion Ratio Lower Upper

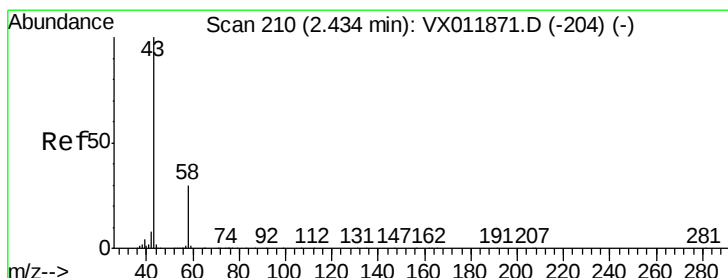
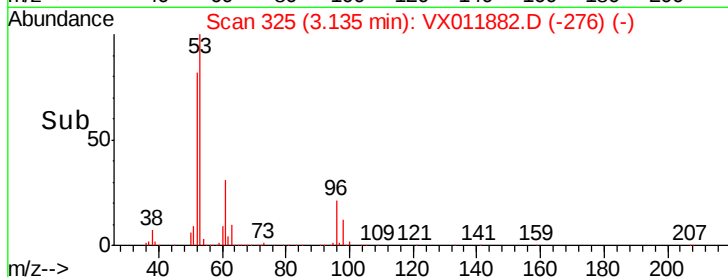
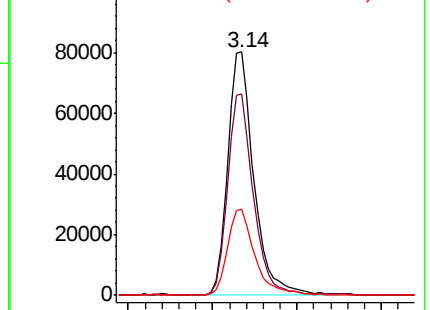
53 100

52 82.7 65.3 97.9

51 36.6 29.1 43.7



Abundance Ion 53.00 (52.70 to 53.70): VX0
Ion 52.00 (51.70 to 52.70): VX0
Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 291.753 ug/l

RT: 2.43 min Scan# 210

Delta R.T. -0.00 min

Lab File: VX011882.D

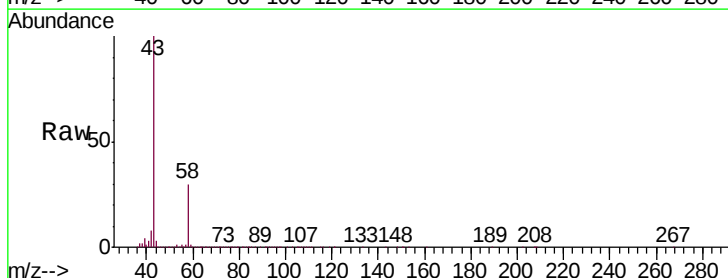
Acq: 28 Aug 2019 21:32

Tgt Ion: 43 Resp: 231586

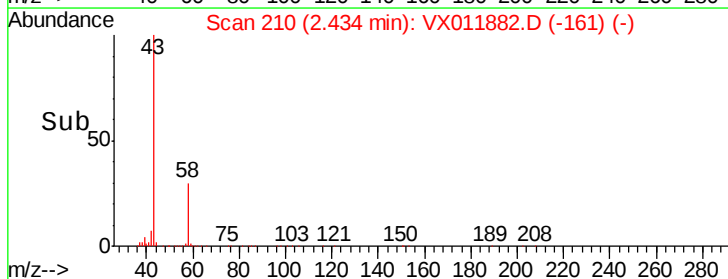
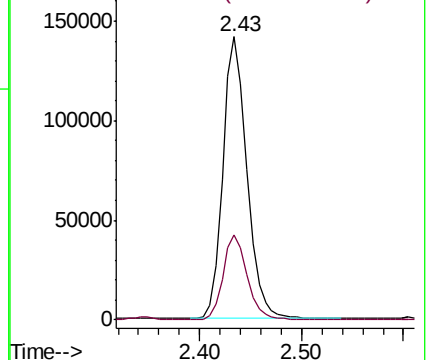
Ion Ratio Lower Upper

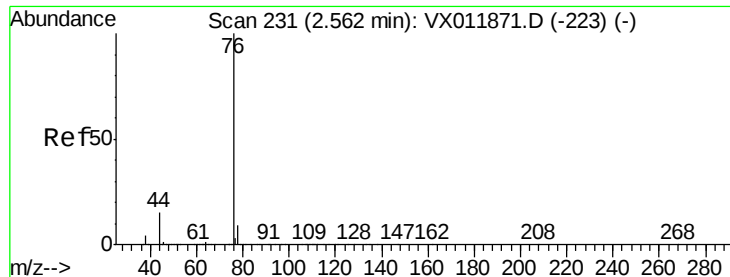
43 100

58 29.9 24.0 36.0



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

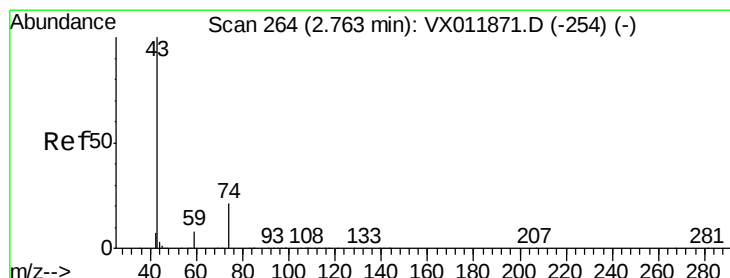
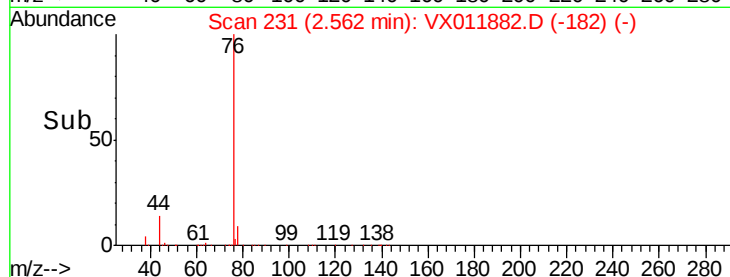
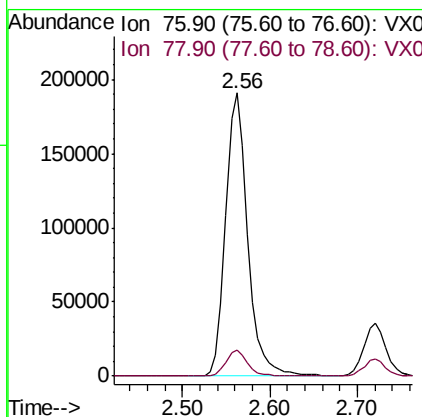
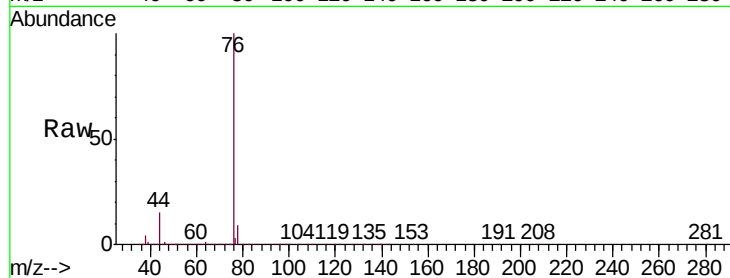




#17
Carbon Disulfide
Concen: 46.390 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.00 min
Lab File: VX011882.D
Acq: 28 Aug 2019 21:32

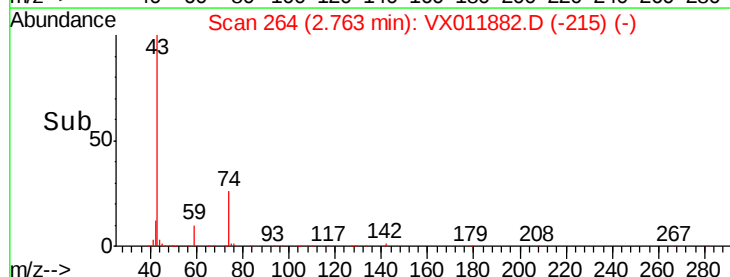
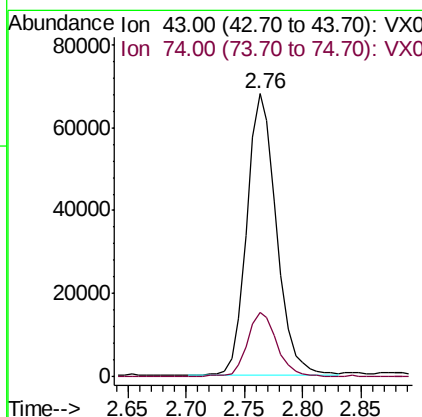
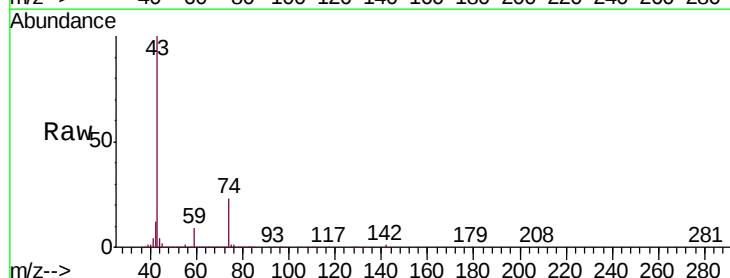
Instrument :
MSVOA_X
ClientSampleId :

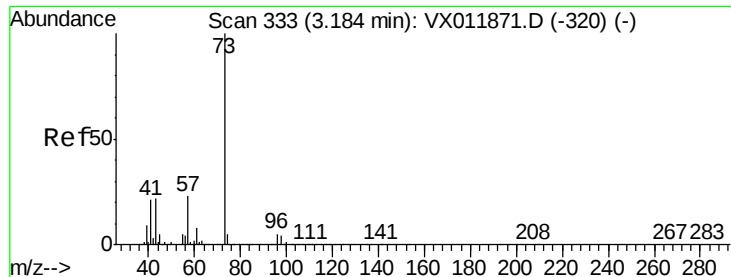
Tot Ion: 76 Resp: 333655
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.2



#18
Methyl Acetate
Concen: 73.948 ug/l
RT: 2.76 min Scan# 264
Delta R.T. 0.00 min
Lab File: VX011882.D
Acq: 28 Aug 2019 21:32

Tgt Ion: 43 Resp: 119600
Ion Ratio Lower Upper
43 100
74 23.4 18.6 28.0

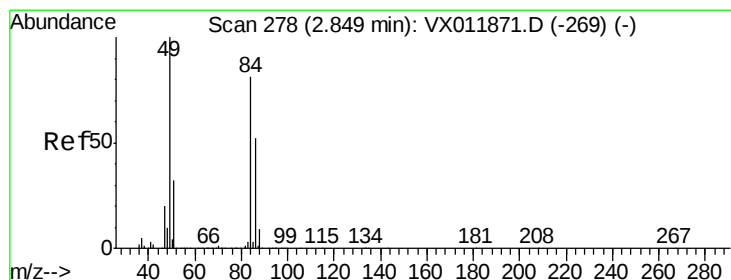
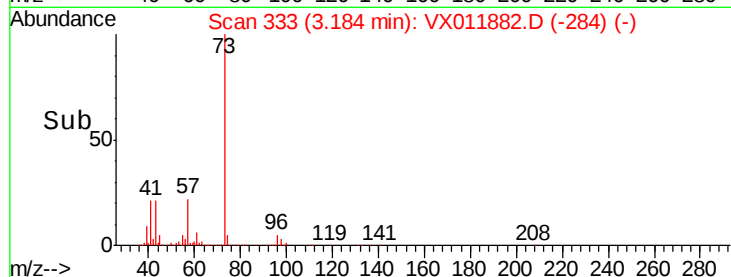
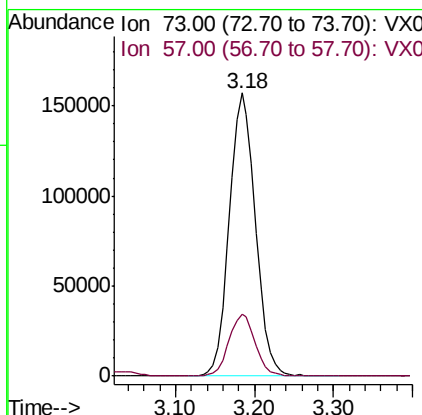
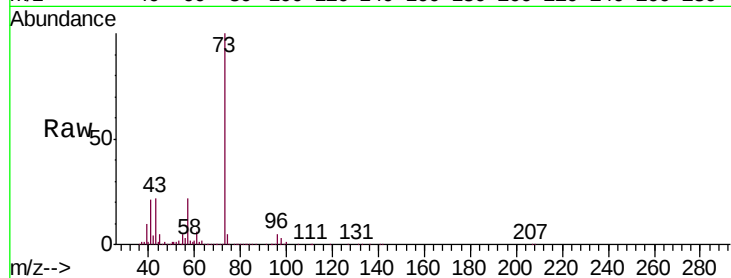




#19
Methvl tert-butvl Ether
Concen: 55.911 ug/l
RT: 3.18 min Scan# 333
Delta R.T. -0.00 min
Lab File: VX011882.D
Acq: 28 Aug 2019 21:32

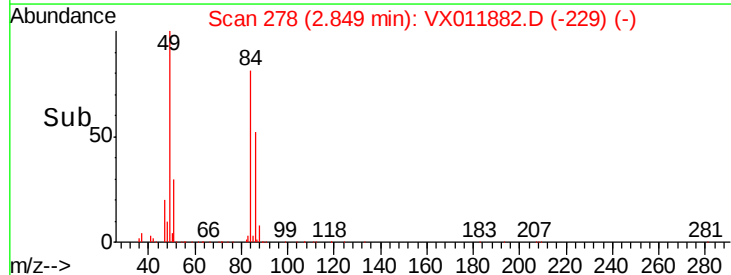
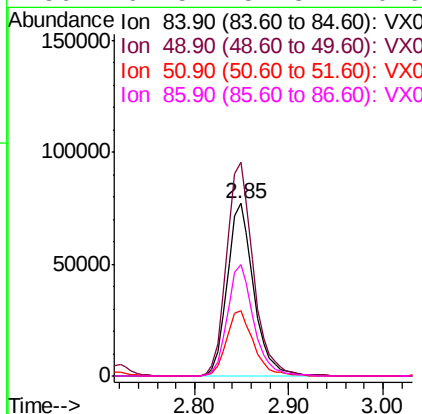
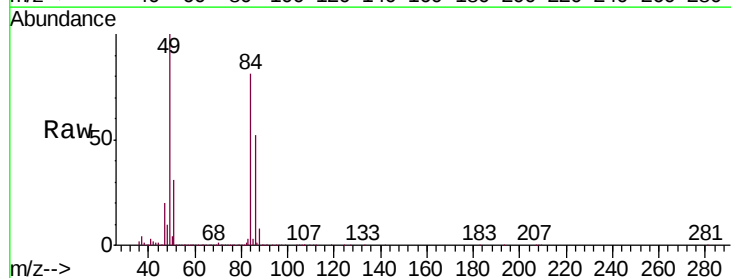
Instrument :
MSVOA_X
ClientSampleId :

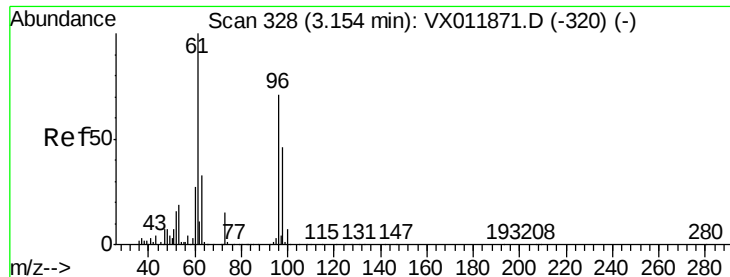
Tot Ion: 73 Resp: 362066
Ion Ratio Lower Upper
73 100
57 21.6 18.1 27.1



#20
Methylene Chloride
Concen: 56.205 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.00 min
Lab File: VX011882.D
Acq: 28 Aug 2019 21:32

Tgt Ion: 84 Resp: 149818
Ion Ratio Lower Upper
84 100
49 123.8 98.9 148.3
51 37.8 31.4 47.2
86 64.5 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 50.832 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.00 min

Lab File: VX011882.D

Acq: 28 Aug 2019 21:32

Instrument :

MSVOA_X

ClientSampled :

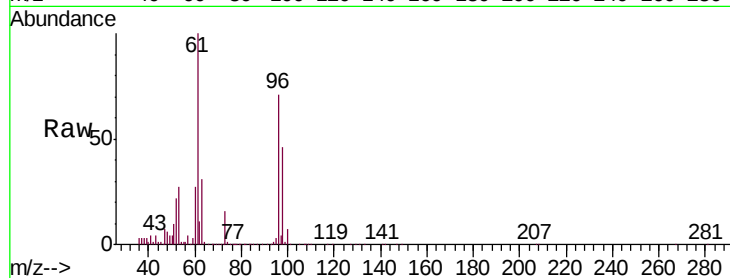
Tot Ion: 96 Resp: 136947

Ion Ratio Lower Upper

96 100

61 140.3 111.9 167.9

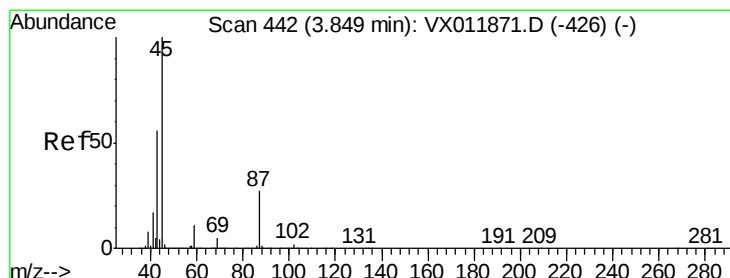
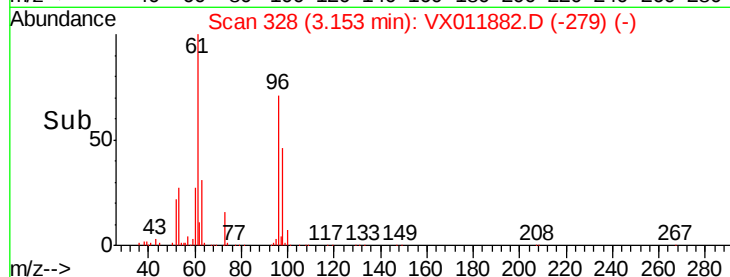
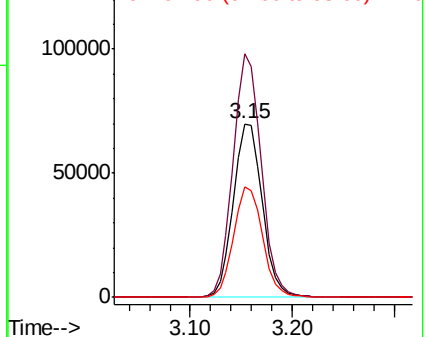
98 63.7 51.7 77.5



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 53.868 ug/l

RT: 3.84 min Scan# 441

Delta R.T. -0.01 min

Lab File: VX011882.D

Acq: 28 Aug 2019 21:32

Tgt Ion: 45 Resp: 430364

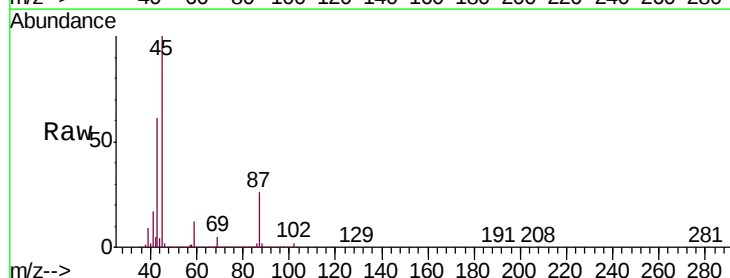
Ion Ratio Lower Upper

45 100

43 60.8 44.7 67.1

87 26.1 21.5 32.3

59 11.8 9.1 13.7

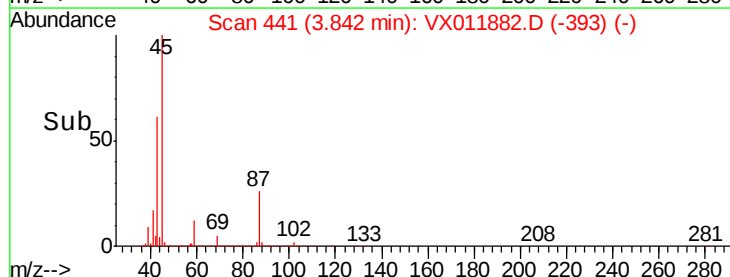
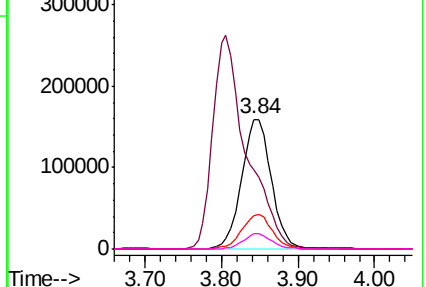


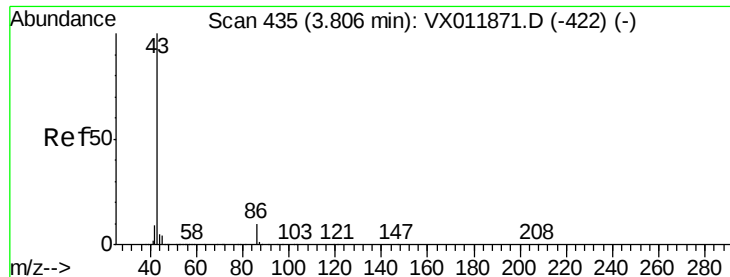
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 227.695 ug/l

RT: 3.81 min Scan# 435

Delta R.T. -0.00 min

Lab File: VX011882.D

Acq: 28 Aug 2019 21:32

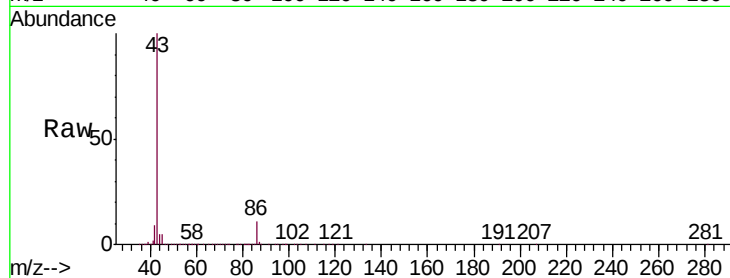
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 800625

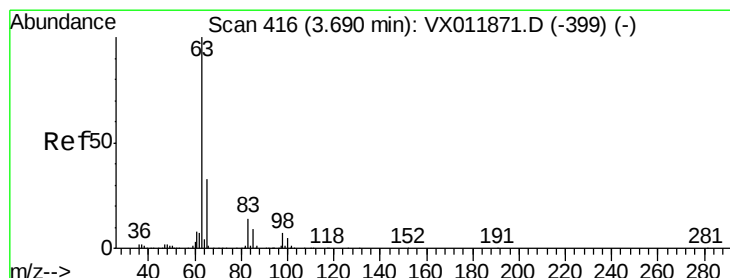
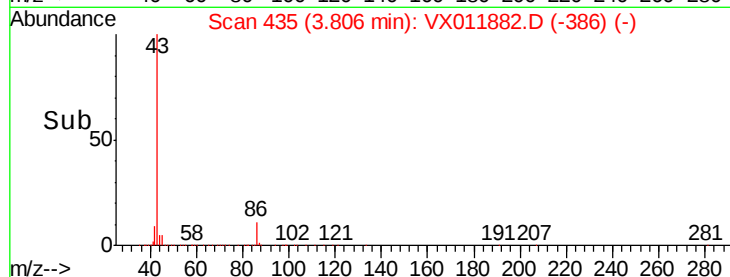
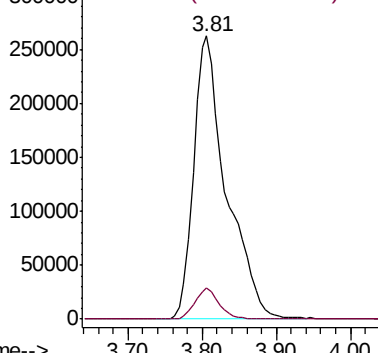
Ion Ratio Lower Upper

43 100

86 10.9 8.1 12.1



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 51.699 ug/l

RT: 3.68 min Scan# 415

Delta R.T. -0.01 min

Lab File: VX011882.D

Acq: 28 Aug 2019 21:32

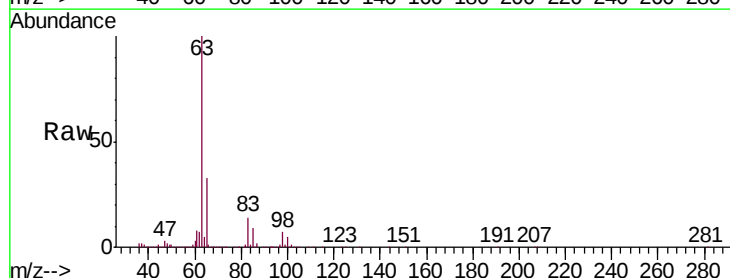
Tgt Ion: 63 Resp: 243562

Ion Ratio Lower Upper

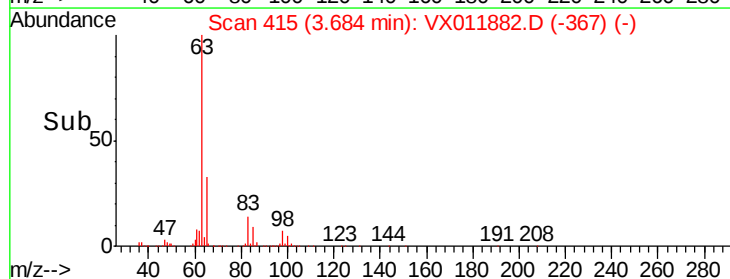
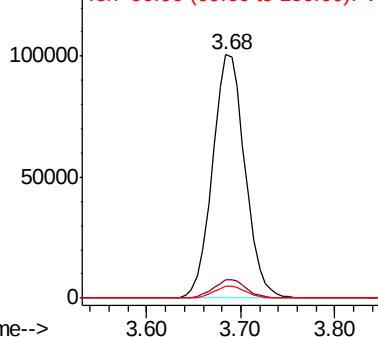
63 100

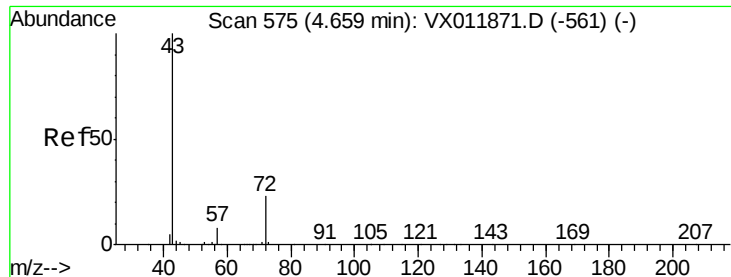
98 7.4 3.7 11.1

100 4.7 2.5 7.6



Abundance Ion 62.90 (62.60 to 63.60): VX0
Ion 97.90 (97.60 to 98.60): VX0
Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 263.641 ug/l

RT: 4.66 min Scan# 575

Delta R.T. -0.00 min

Lab File: VX011882.D

Acq: 28 Aug 2019 21:32

Instrument :

MSVOA_X

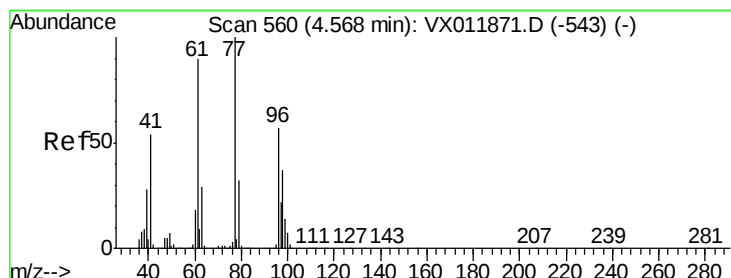
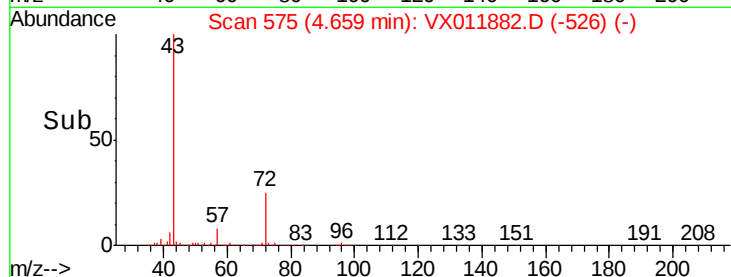
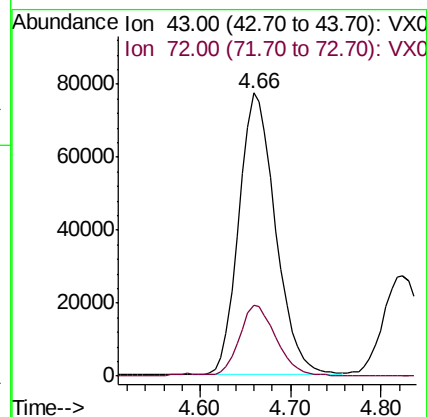
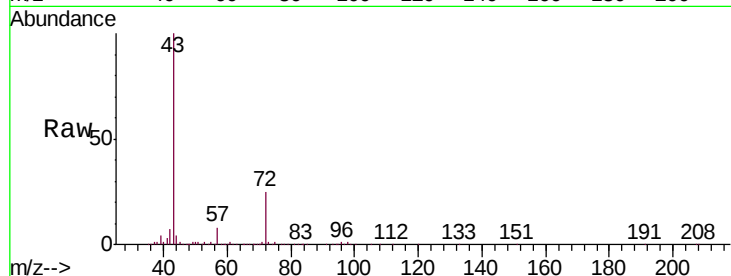
ClientSampleId :

Tot Ion: 43 Resp: 217817

Ion Ratio Lower Upper

43 100

72 25.0 18.9 28.3



#26

2,2-Dichloropropane

Concen: 38.108 ug/l

RT: 4.57 min Scan# 561

Delta R.T. 0.01 min

Lab File: VX011882.D

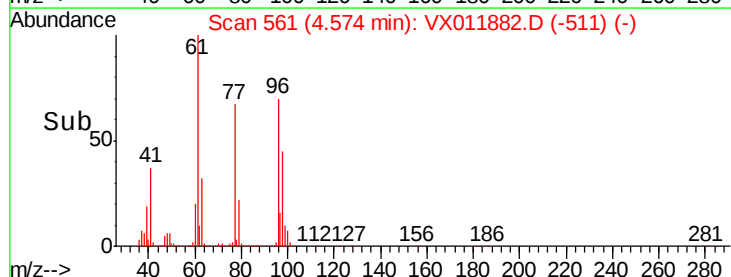
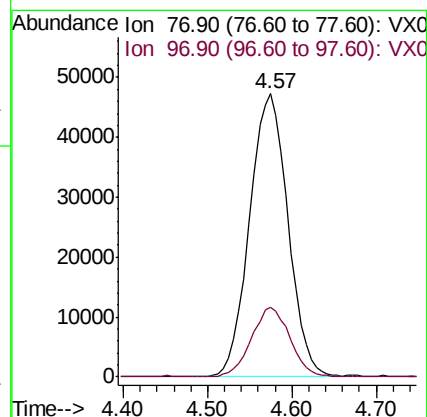
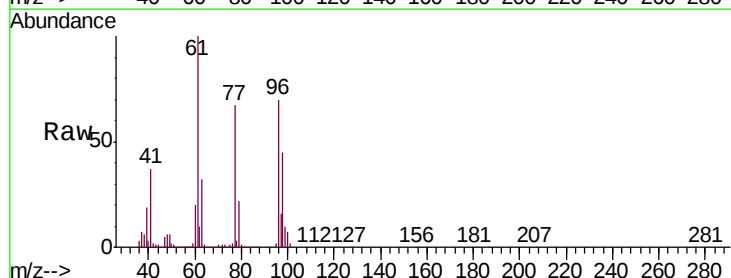
Acq: 28 Aug 2019 21:32

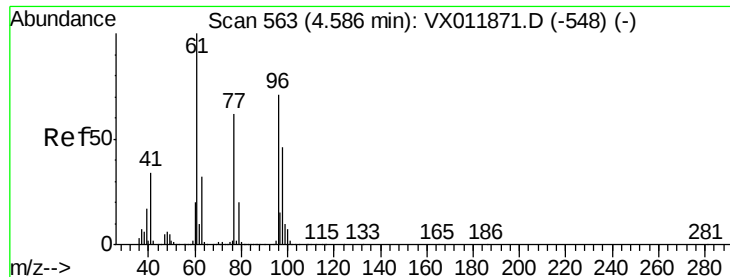
Tgt Ion: 77 Resp: 146394

Ion Ratio Lower Upper

77 100

97 24.3 11.6 34.7



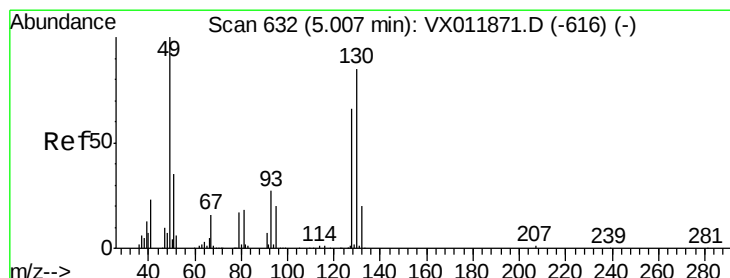
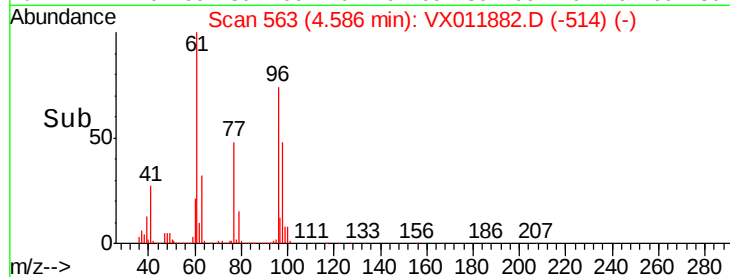
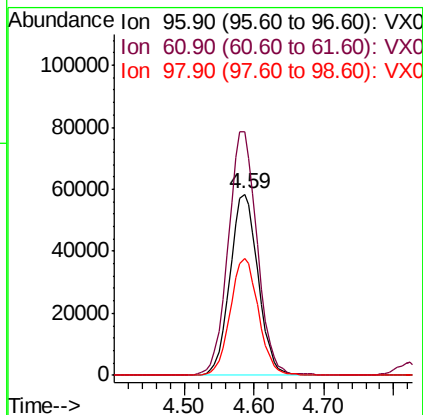
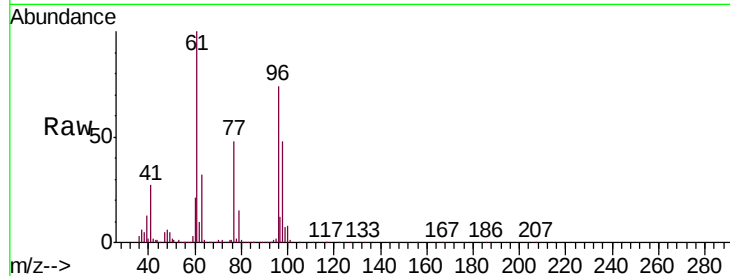


#27

cis-1,2-Dichloroethene
 Concen: 52.982 ug/l
 RT: 4.59 min Scan# 563
 Delta R.T. -0.00 min
 Lab File: VX011882.D
 Acq: 28 Aug 2019 21:32

Instrument :
 MSVOA_X
 ClientSampleId :

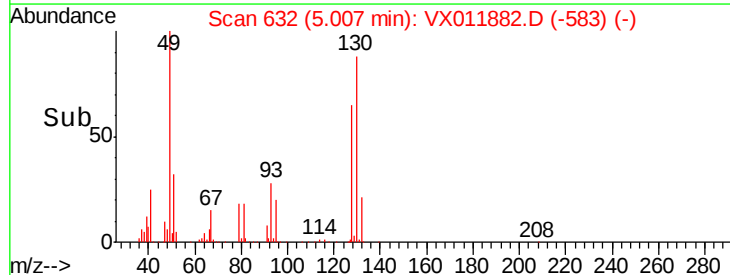
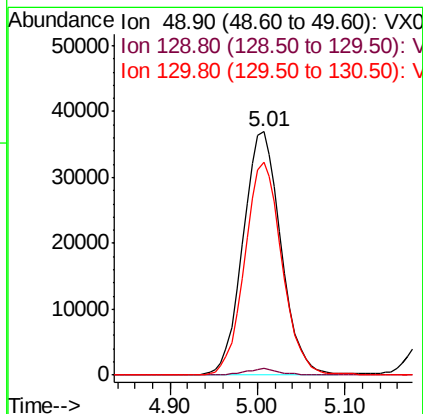
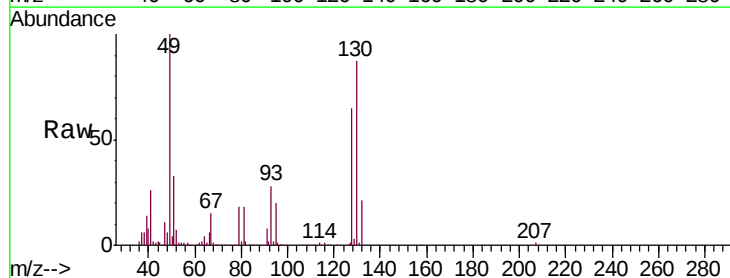
Tot Ion	Ratio	Lower	Upper
96	100		
61	138.9	0.0	288.8
98	64.9	0.0	129.6

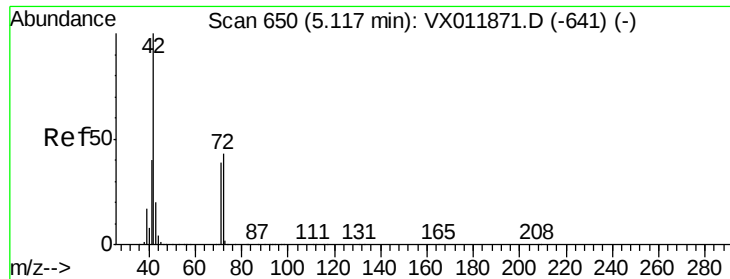


#28

Bromochloromethane
 Concen: 52.574 ug/l
 RT: 5.01 min Scan# 632
 Delta R.T. -0.00 min
 Lab File: VX011882.D
 Acq: 28 Aug 2019 21:32

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.6
130	86.3	67.3	100.9

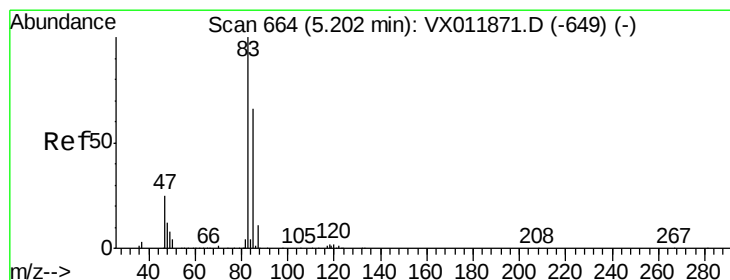
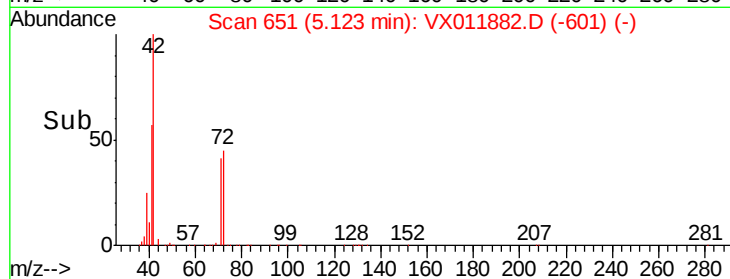
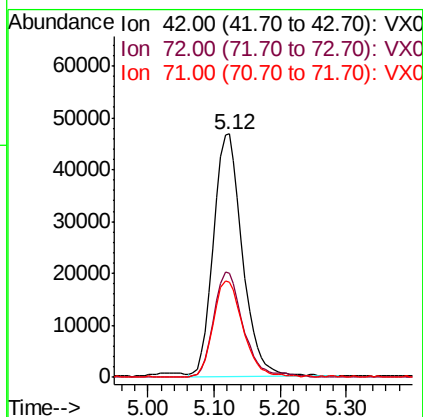
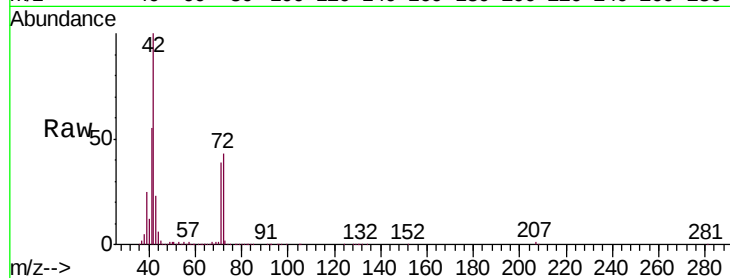




#29
Tetrahydrofuran
Concen: 289.569 ug/l
RT: 5.12 min Scan# 651
Delta R.T. 0.01 min
Lab File: VX011882.D
Acq: 28 Aug 2019 21:32

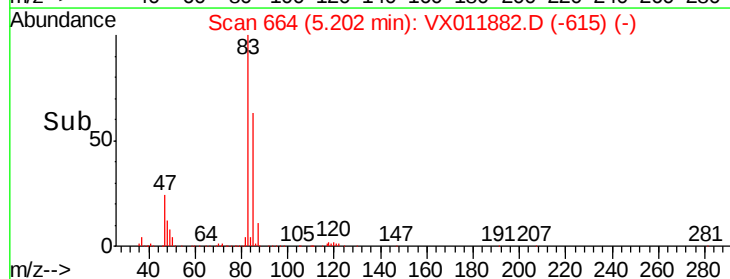
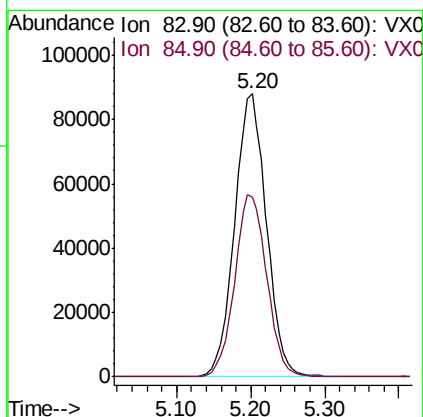
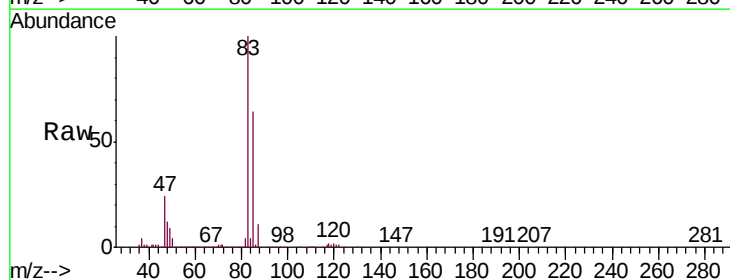
Instrument :
MSVOA_X
ClientSampleId :

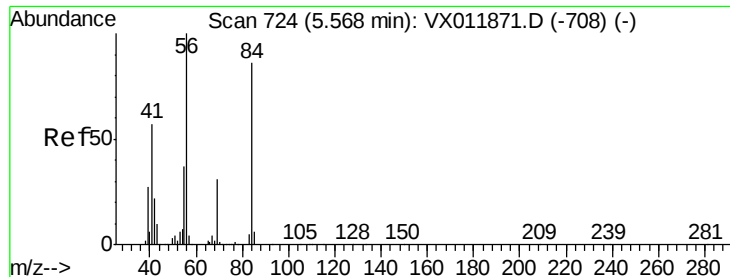
Tot Ion: 42 Resp: 141578
Ion Ratio Lower Upper
42 100
72 44.7 35.4 53.2
71 40.7 32.6 48.8



#30
Chloroform
Concen: 53.213 ug/l
RT: 5.20 min Scan# 664
Delta R.T. -0.00 min
Lab File: VX011882.D
Acq: 28 Aug 2019 21:32

Tgt Ion: 83 Resp: 262319
Ion Ratio Lower Upper
83 100
85 63.5 52.5 78.7

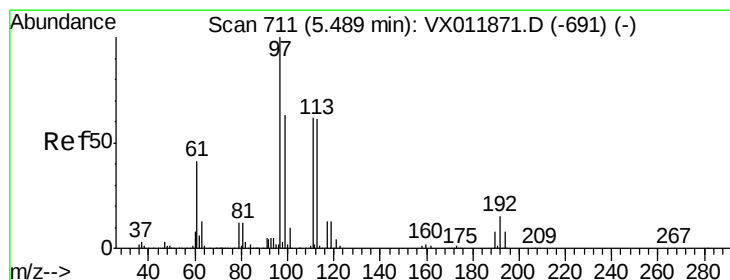
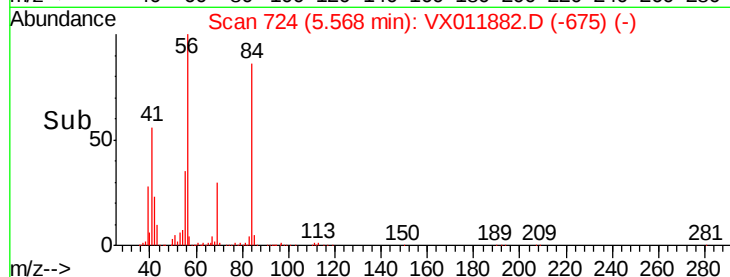
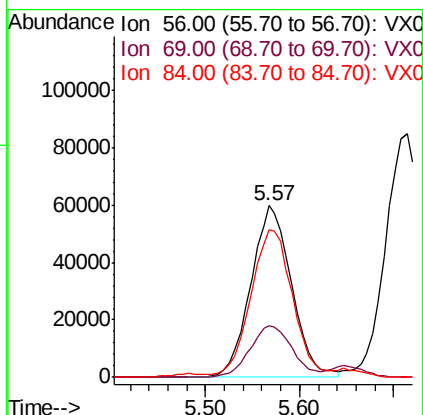
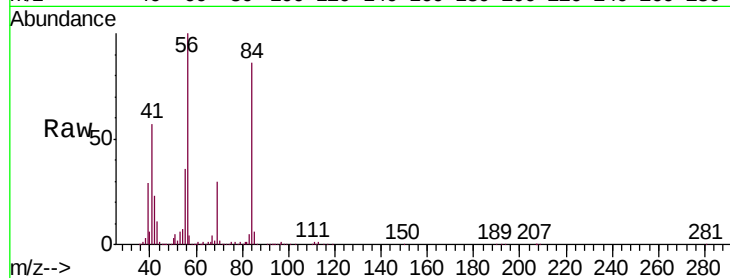




#31
Cyclohexane
Concen: 43.843 ug/l
RT: 5.57 min Scan# 724
Delta R.T. -0.00 min
Lab File: VX011882.D
Acq: 28 Aug 2019 21:32

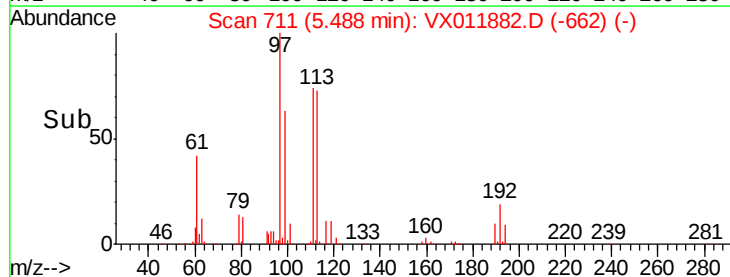
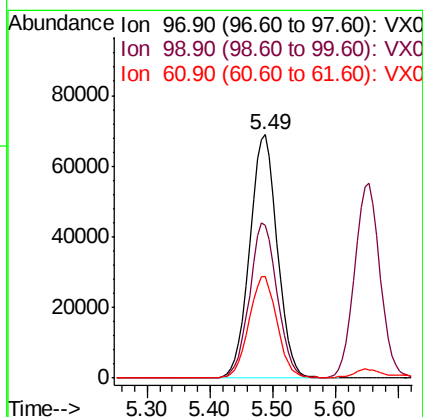
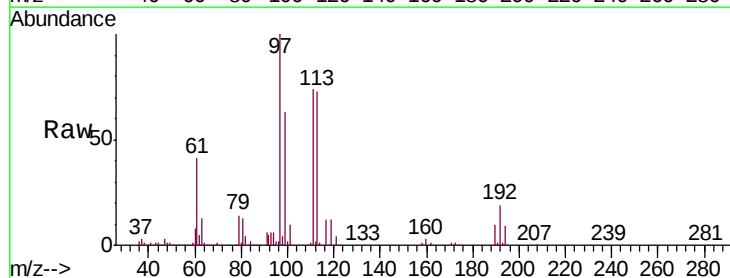
Instrument :
MSVOA_X
ClientSampled :

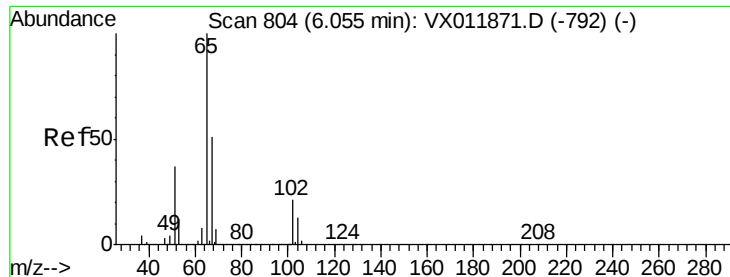
Tot Ion: 56 Resp: 179843
Ion Ratio Lower Upper
56 100
69 30.2 25.0 37.4
84 83.7 68.6 103.0



#32
1,1,1-Trichloroethane
Concen: 47.327 ug/l
RT: 5.49 min Scan# 711
Delta R.T. -0.00 min
Lab File: VX011882.D
Acq: 28 Aug 2019 21:32

Tgt Ion: 97 Resp: 209795
Ion Ratio Lower Upper
97 100
99 63.9 51.1 76.7
61 42.4 33.4 50.2





#33

1,2-Dichloroethane-d4

Concen: 56.361 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.00 min

Lab File: VX011882.D

Acq: 28 Aug 2019 21:32

Instrument :

MSVOA_X

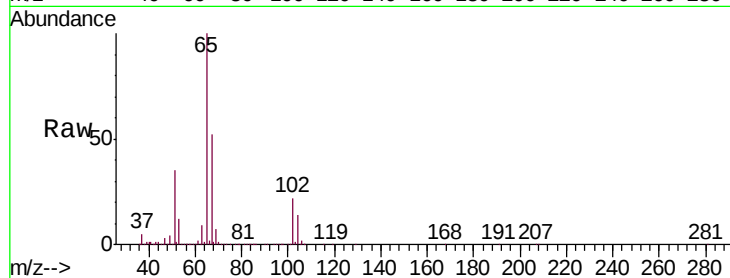
ClientSampleId :

Tot Ion: 65 Resp: 158953

Ion Ratio Lower Upper

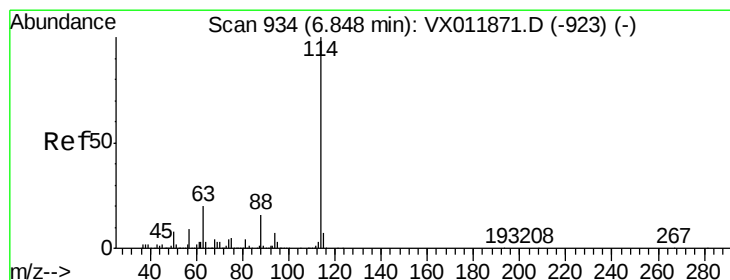
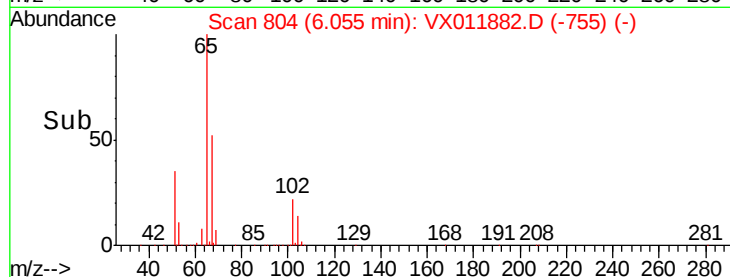
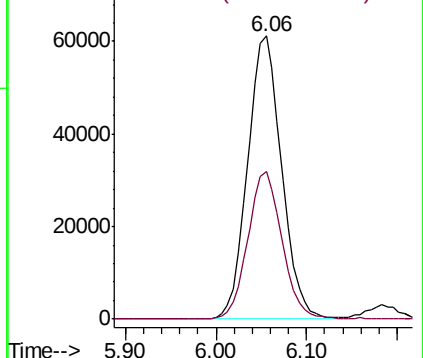
65 100

67 51.7 0.0 103.0



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# 934

Delta R.T. -0.00 min

Lab File: VX011882.D

Acq: 28 Aug 2019 21:32

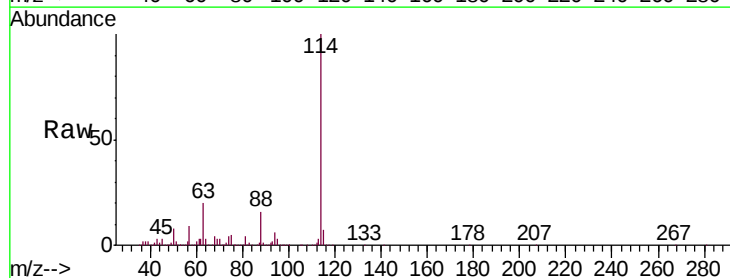
Tgt Ion: 114 Resp: 476145

Ion Ratio Lower Upper

114 100

63 20.4 0.0 39.8

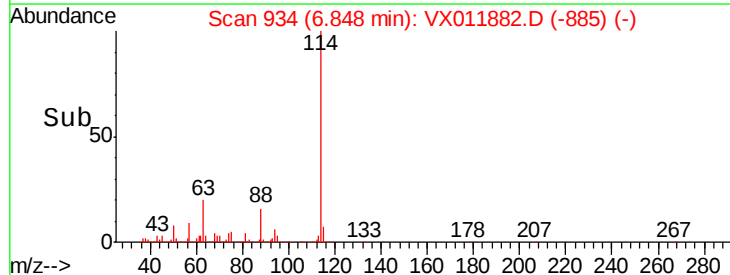
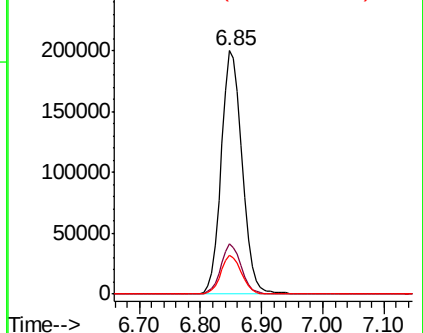
88 16.0 0.0 31.6

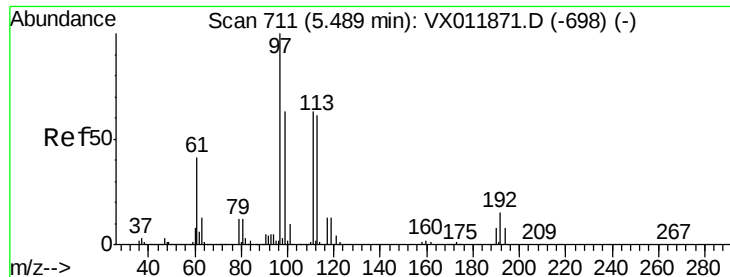


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.276 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.00 min

Lab File: VX011882.D

Acq: 28 Aug 2019 21:32

Instrument :

MSVOA_X

ClientSampleId :

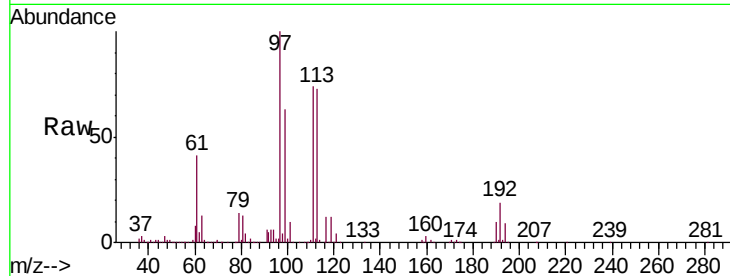
Tot Ion:113 Resp: 142583

Ion Ratio Lower Upper

113 100

111 102.3 80.9 121.3

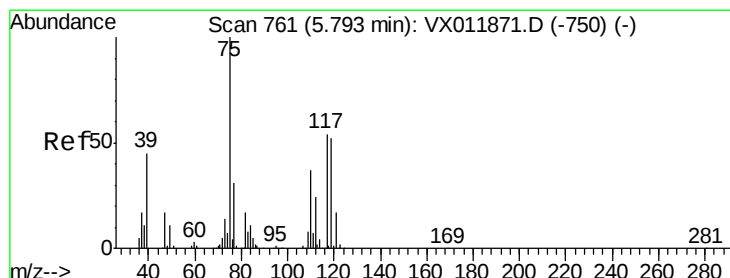
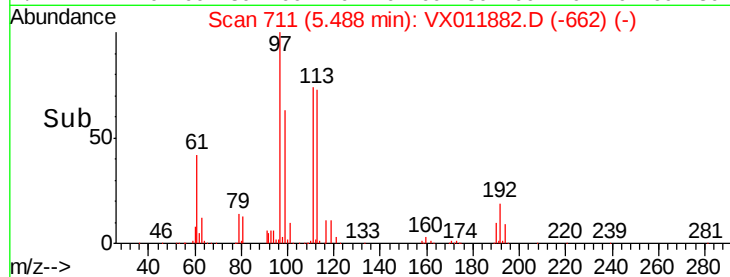
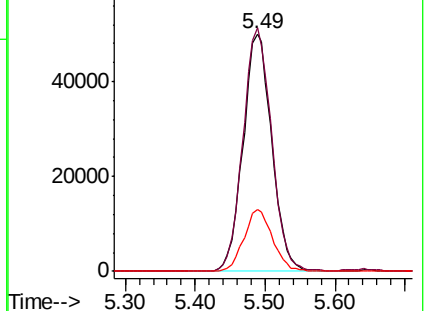
192 25.9 20.6 30.8



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: 44.537 ug/l

RT: 5.79 min Scan# 761

Delta R.T. -0.00 min

Lab File: VX011882.D

Acq: 28 Aug 2019 21:32

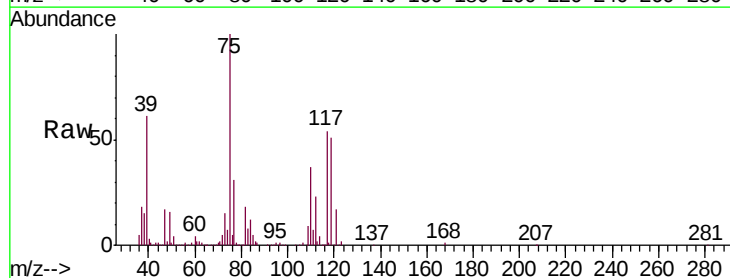
Tgt Ion: 75 Resp: 174435

Ion Ratio Lower Upper

75 100

110 37.8 18.5 55.5

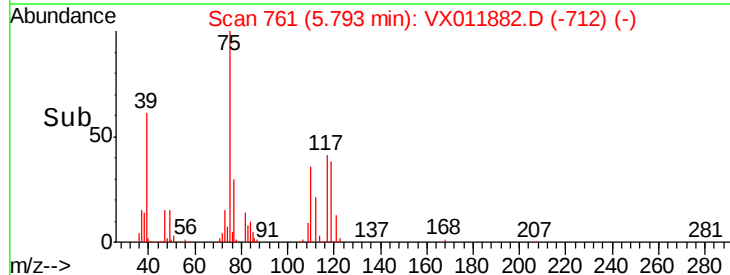
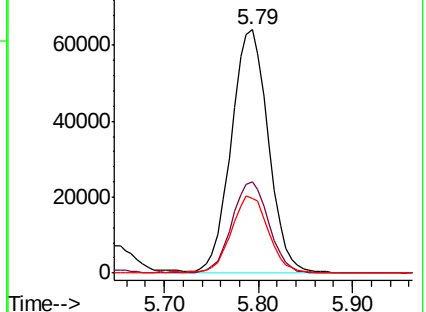
77 31.6 24.7 37.1

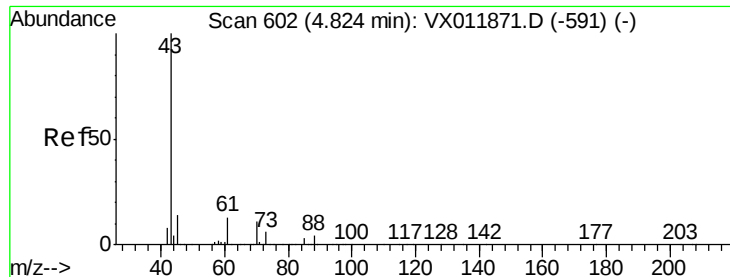


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

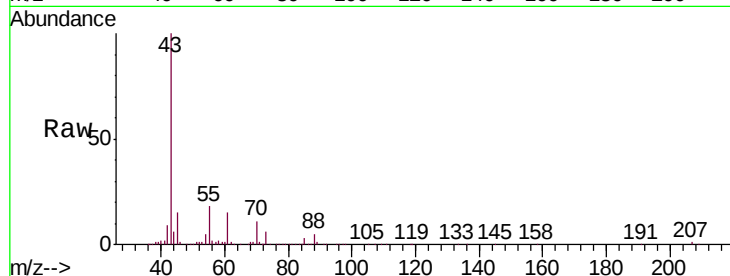




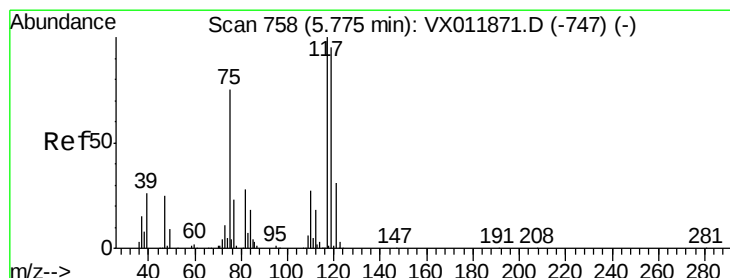
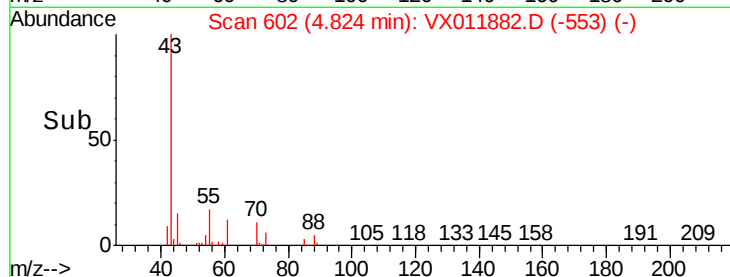
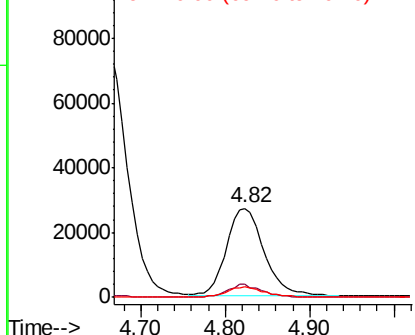
#37
Ethyl Acetate
Concen: 49.520 ug/l
RT: 4.82 min Scan# 602
Delta R.T. -0.00 min
Lab File: VX011882.D
Acq: 28 Aug 2019 21:32

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 81553
Ion Ratio Lower Upper
43 100
61 13.2 10.5 15.7
70 11.3 8.9 13.3

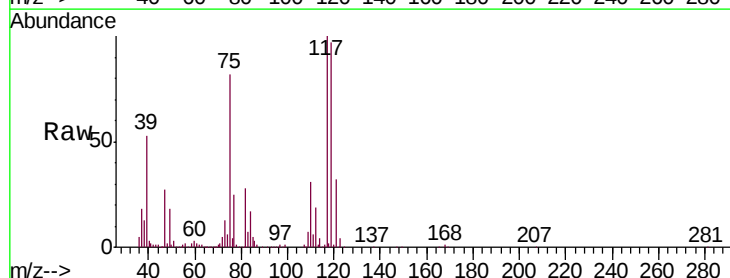


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

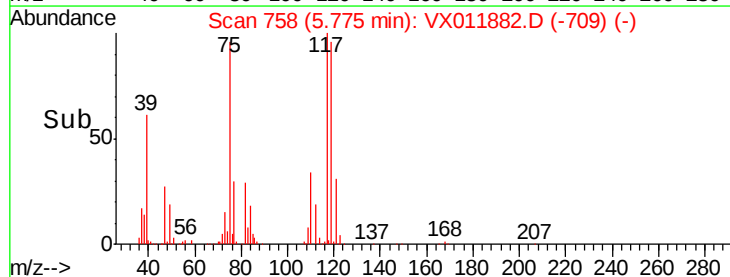
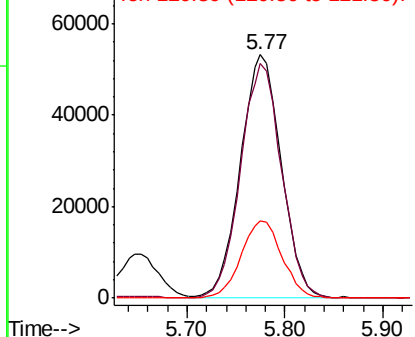


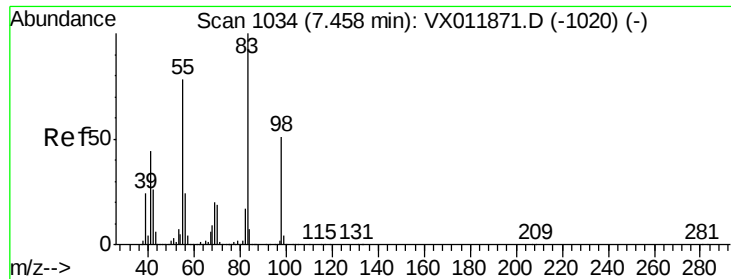
#38
Carbon Tetrachloride
Concen: 40.307 ug/l
RT: 5.77 min Scan# 758
Delta R.T. -0.00 min
Lab File: VX011882.D
Acq: 28 Aug 2019 21:32

Tgt Ion: 117 Resp: 153821
Ion Ratio Lower Upper
117 100
119 96.6 75.7 113.5
121 31.5 25.1 37.7



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

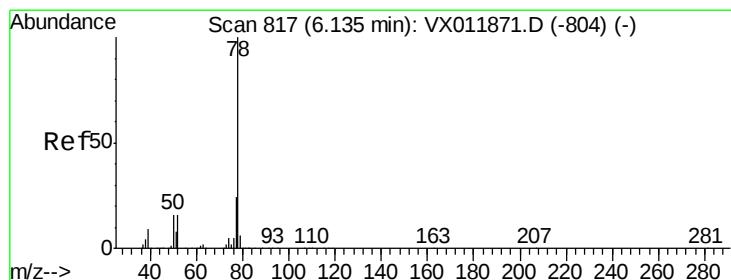
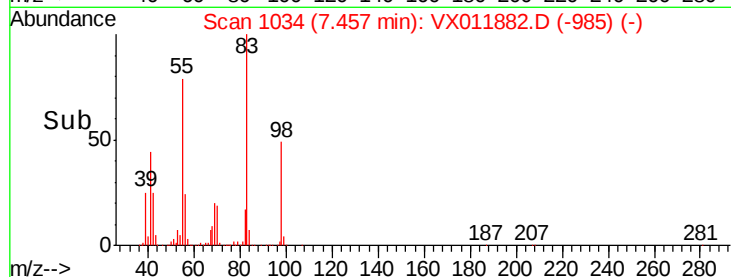
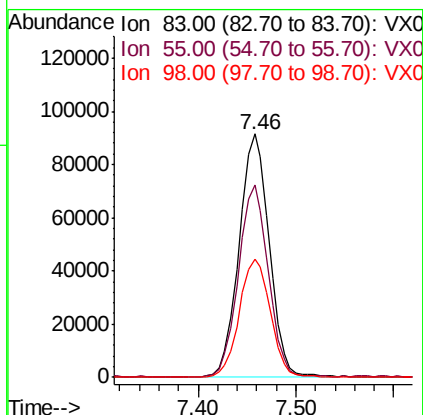
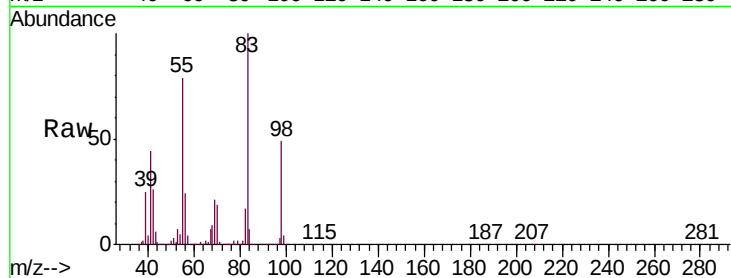




#39
Methvlcvclohexane
Concen: 40.797 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VX011882.D
Acq: 28 Aug 2019 21:32

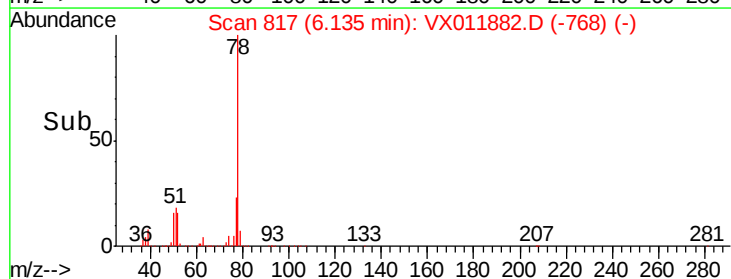
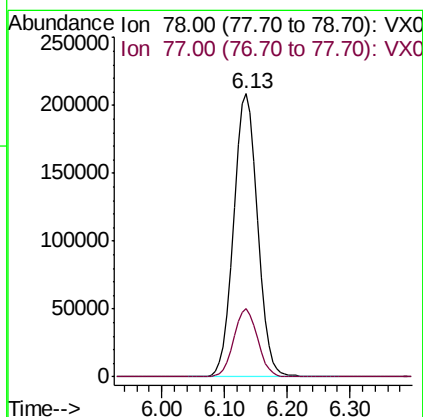
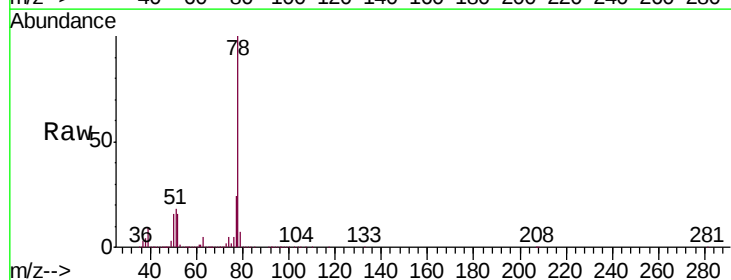
Instrument :
MSVOA_X
ClientSampleId :

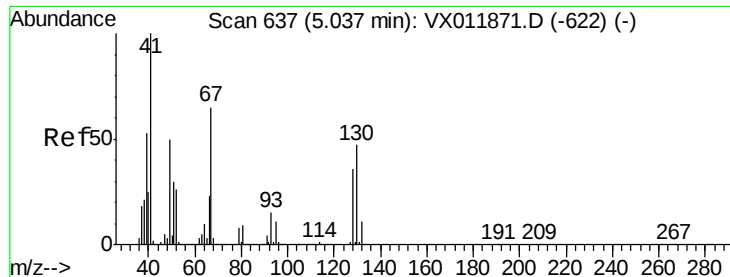
Tot Ion: 83 Resp: 195281
Ion Ratio Lower Upper
83 100
55 78.7 62.1 93.1
98 48.6 40.6 61.0



#40
Benzene
Concen: 48.830 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.00 min
Lab File: VX011882.D
Acq: 28 Aug 2019 21:32

Tgt Ion: 78 Resp: 551648
Ion Ratio Lower Upper
78 100
77 24.0 19.0 28.4





#41

Methacrylonitrile

Concen: 52.443 ug/l

RT: 5.03 min Scan# 636

Delta R.T. -0.01 min

Lab File: VX011882.D

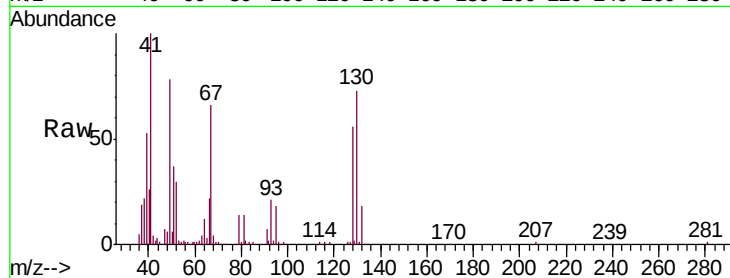
Acq: 28 Aug 2019 21:32

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:	41	Resp:	58587
Ion	Ratio	Lower	Upper
41	100		
39	55.4	44.5	66.7
67	67.9	55.0	82.4
52	29.3	23.3	34.9

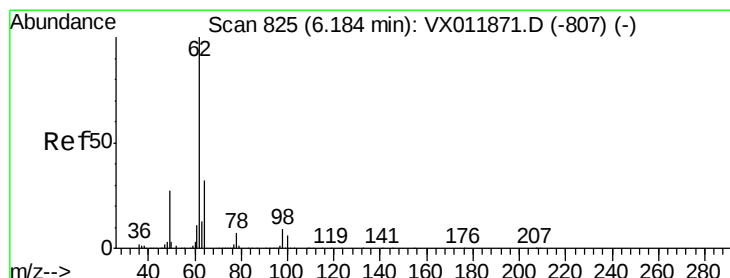
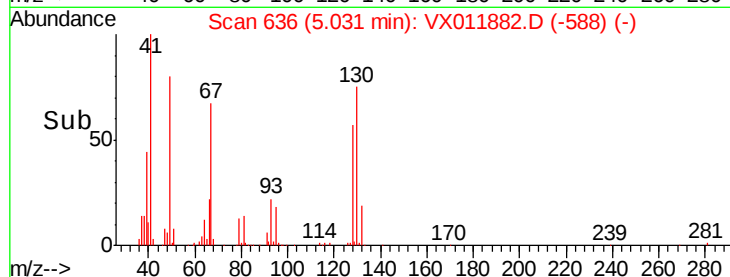
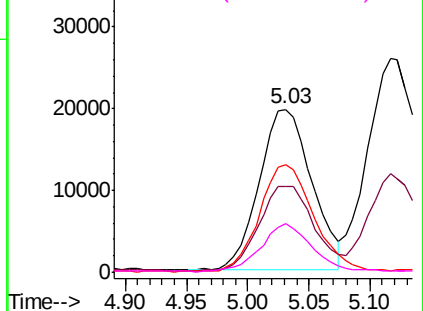


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 52.262 ug/l

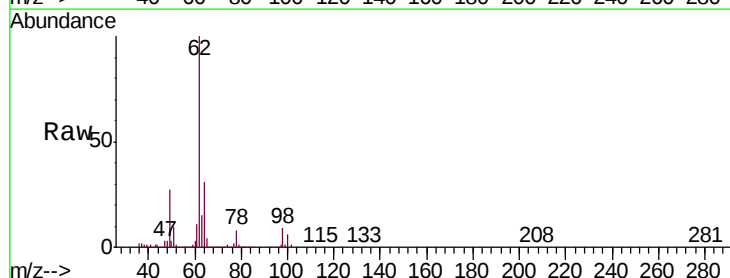
RT: 6.18 min Scan# 825

Delta R.T. -0.00 min

Lab File: VX011882.D

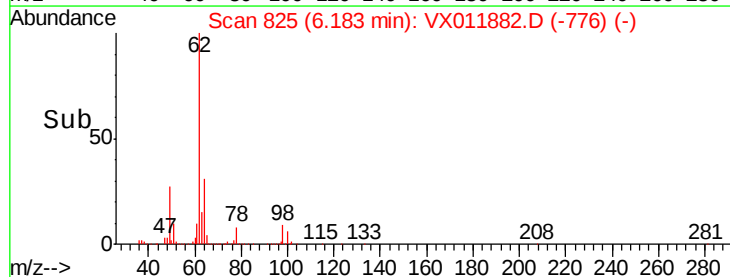
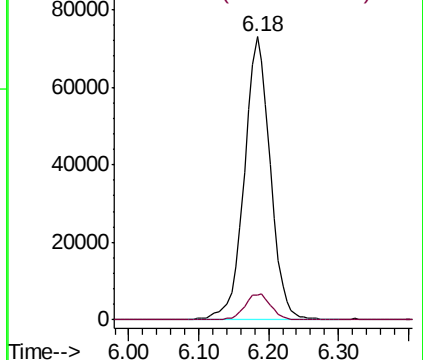
Acq: 28 Aug 2019 21:32

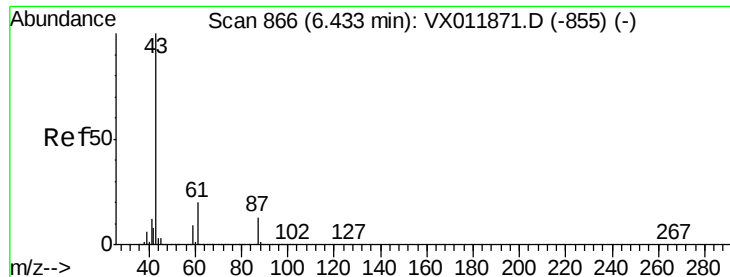
Tgt Ion:	62	Resp:	187468
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	19.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



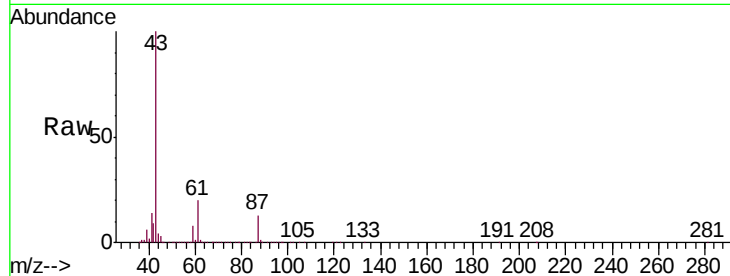


#43

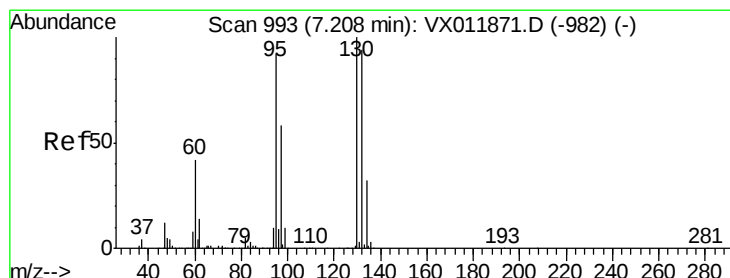
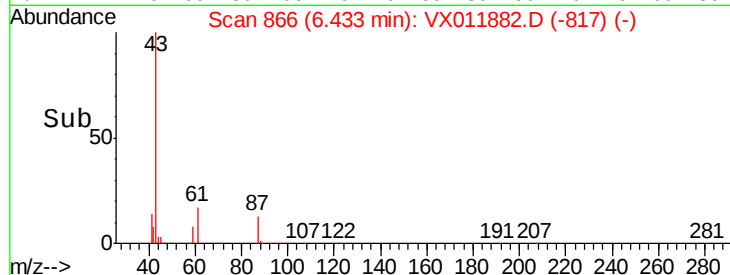
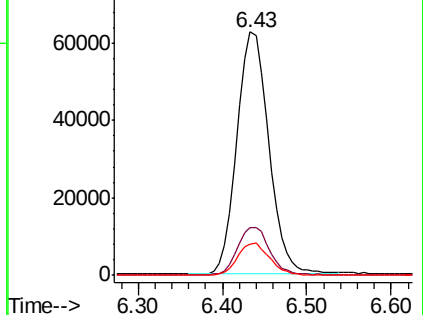
Isopropyl Acetate
 Concen: 49.437 ug/l
 RT: 6.43 min Scan# 866
 Delta R.T. -0.00 min
 Lab File: VX011882.D
 Acq: 28 Aug 2019 21:32

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	43	Resp	159959
Ion Ratio	Lower	Upper	
43	100		
61	19.5	15.6	23.4
87	13.5	10.6	15.8



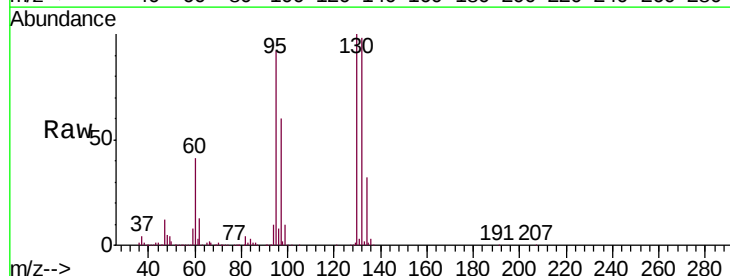
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



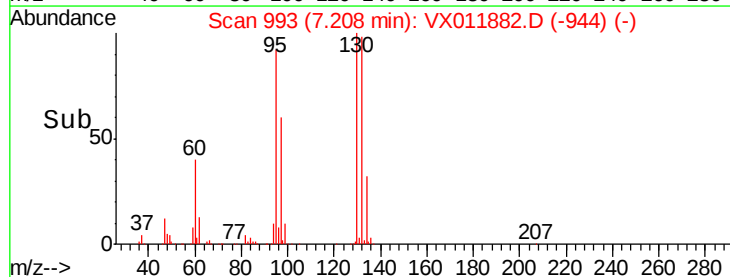
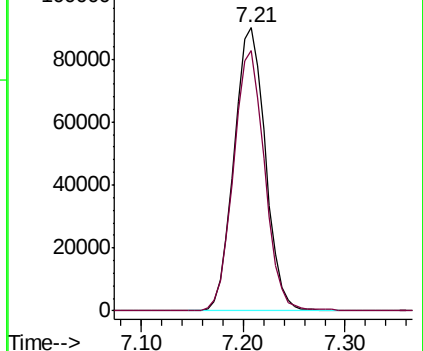
#44

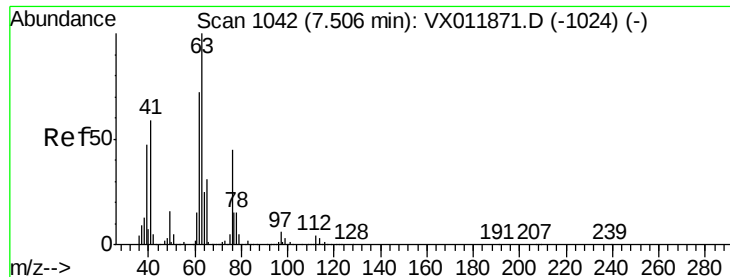
Trichloroethene
 Concen: 50.379 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. -0.00 min
 Lab File: VX011882.D
 Acq: 28 Aug 2019 21:32

Tgt Ion	130	Resp	191322
Ion Ratio	Lower	Upper	
130	100		
95	91.6	0.0	184.0



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





#45

1,2-Dichloropropane

Concen: 49.615 ug/l

RT: 7.51 min Scan# 1042

Delta R.T. -0.00 min

Lab File: VX011882.D

Acq: 28 Aug 2019 21:32

Instrument :

MSVOA_X

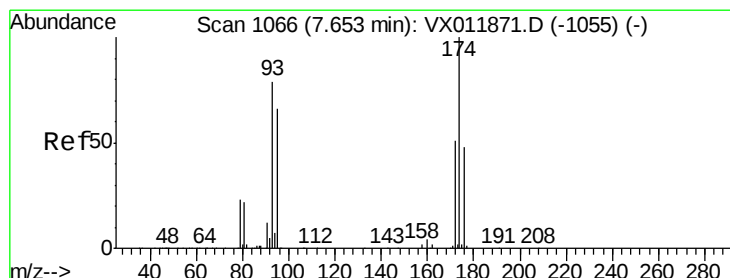
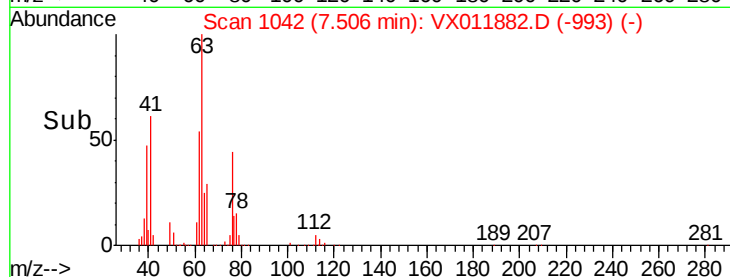
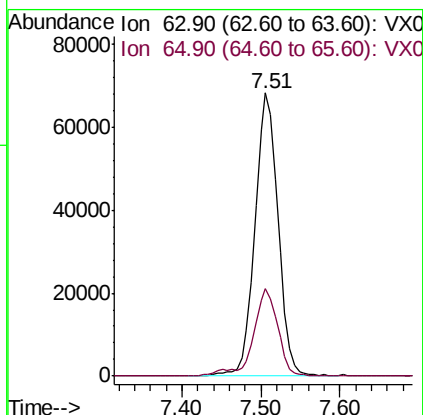
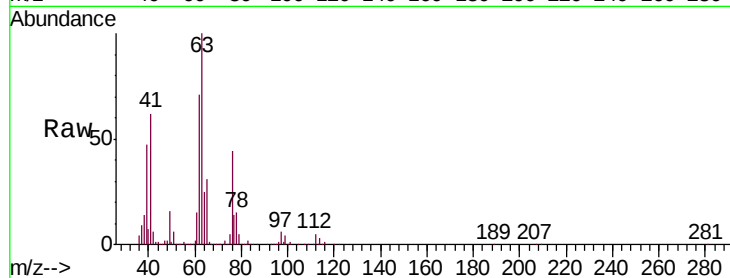
ClientSampleId :

Tot Ion: 63 Resp: 139475

Ion Ratio Lower Upper

63 100

65 30.9 24.5 36.7



#46

Dibromomethane

Concen: 51.692 ug/l

RT: 7.65 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VX011882.D

Acq: 28 Aug 2019 21:32

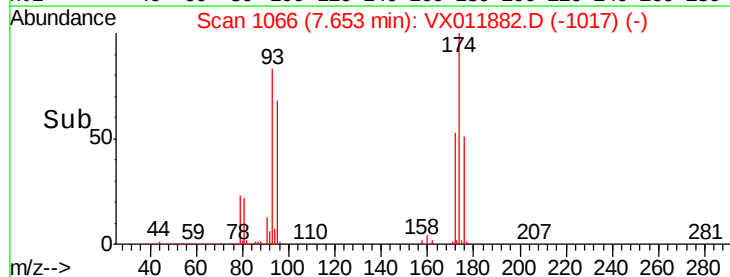
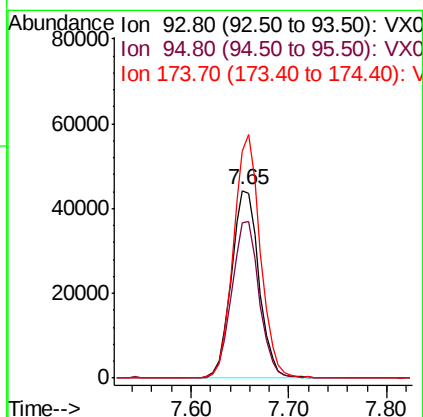
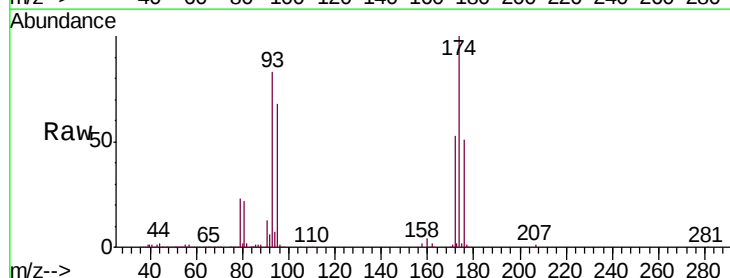
Tgt Ion: 93 Resp: 86090

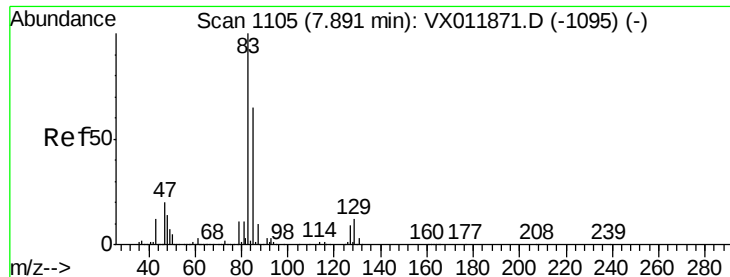
Ion Ratio Lower Upper

93 100

95 83.1 65.8 98.8

174 126.5 100.2 150.4





#47

Bromodichloromethane

Concen: 48.611 ug/l

RT: 7.89 min Scan# 1105

Delta R.T. -0.00 min

Lab File: VX011882.D

Acq: 28 Aug 2019 21:32

Instrument :

MSVOA_X

ClientSampleId :

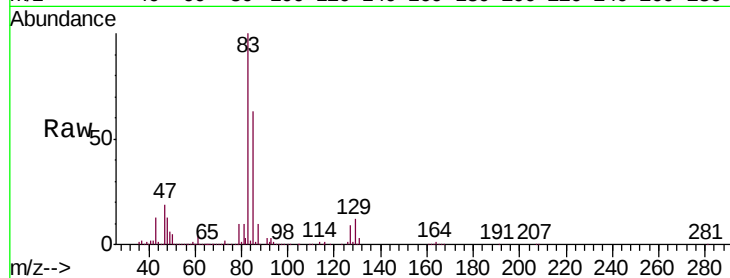
Tot Ion: 83 Resp: 190357

Ion Ratio Lower Upper

83 100

85 63.4 51.8 77.8

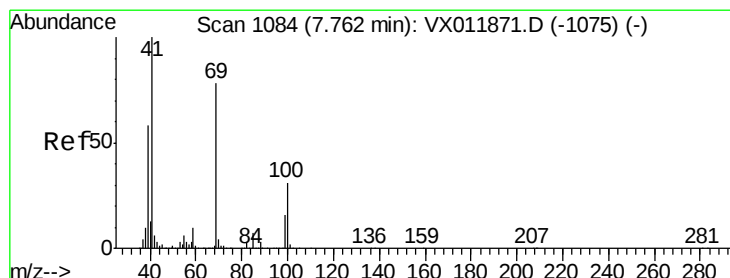
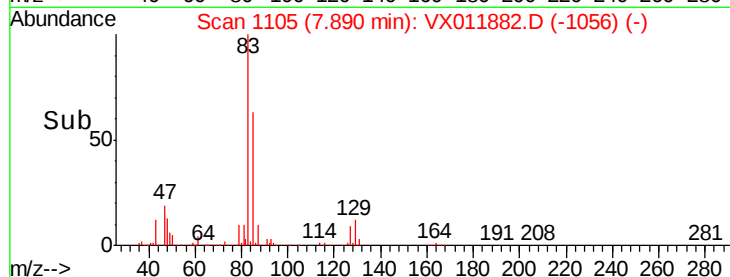
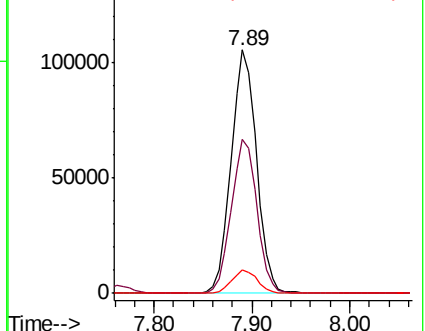
127 9.4 7.4 11.2



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: 51.215 ug/l

RT: 7.76 min Scan# 1084

Delta R.T. -0.00 min

Lab File: VX011882.D

Acq: 28 Aug 2019 21:32

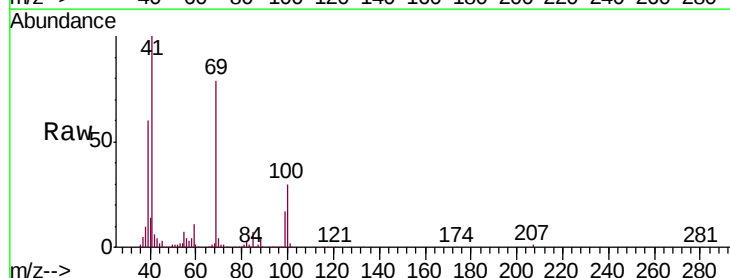
Tgt Ion: 41 Resp: 82870

Ion Ratio Lower Upper

41 100

69 80.7 63.0 94.4

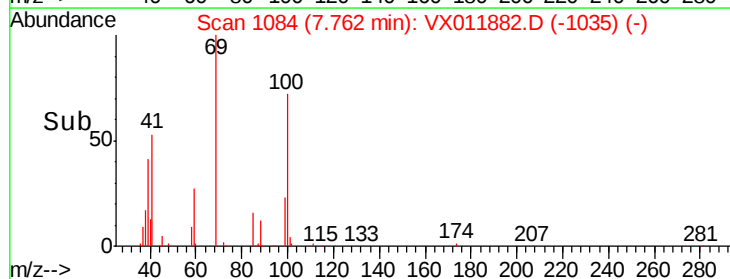
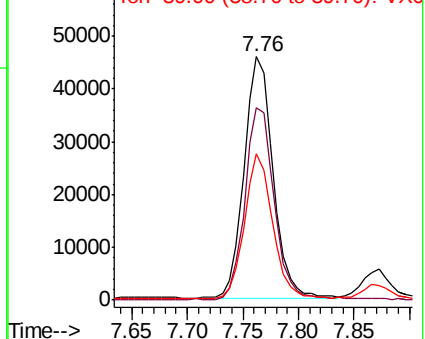
39 58.3 46.1 69.1

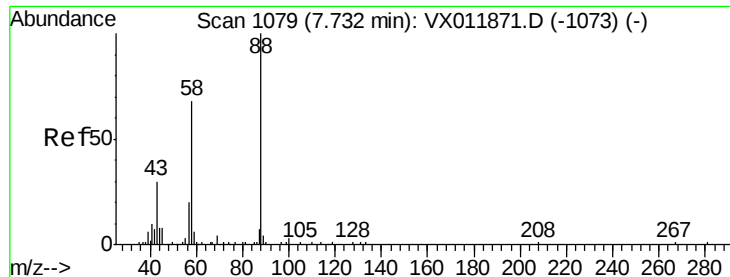


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 1116.763 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. 0.01 min

Lab File: VX011882.D

Acq: 28 Aug 2019 21:32

Instrument :

MSVOA_X

ClientSampleId :

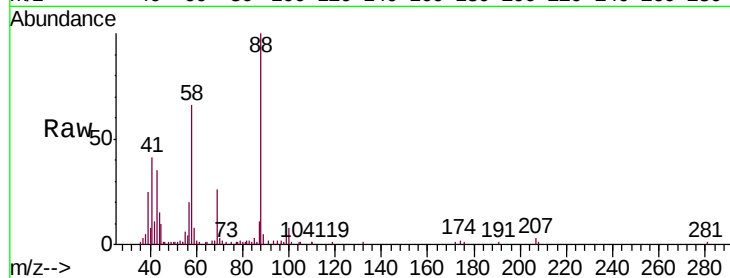
Tot Ion: 88 Resp: 19471

Ion Ratio Lower Upper

88 100

43 38.0 33.2 49.8

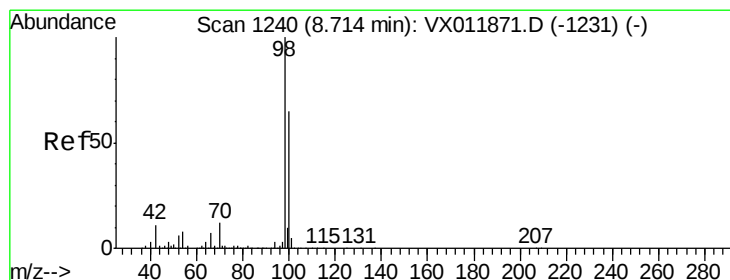
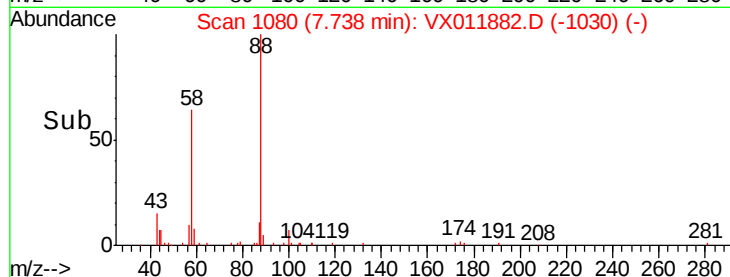
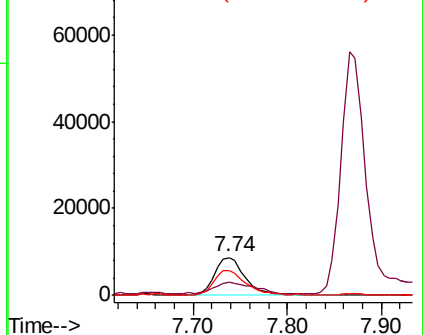
58 70.2 58.2 87.4



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: 50.578 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX011882.D

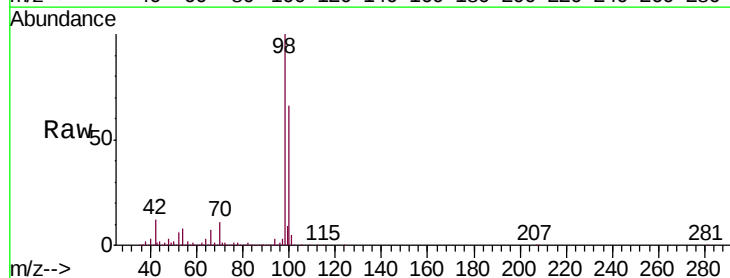
Acq: 28 Aug 2019 21:32

Tgt Ion: 98 Resp: 544797

Ion Ratio Lower Upper

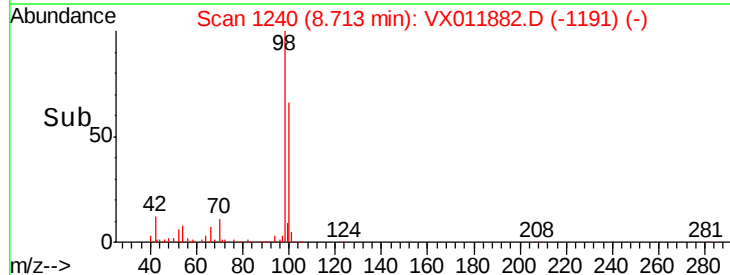
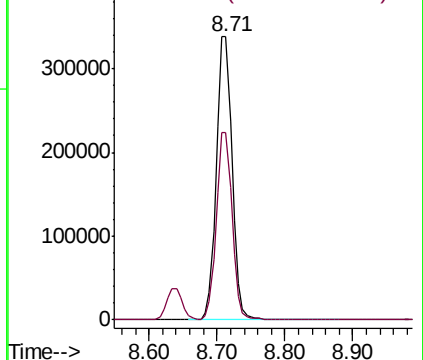
98 100

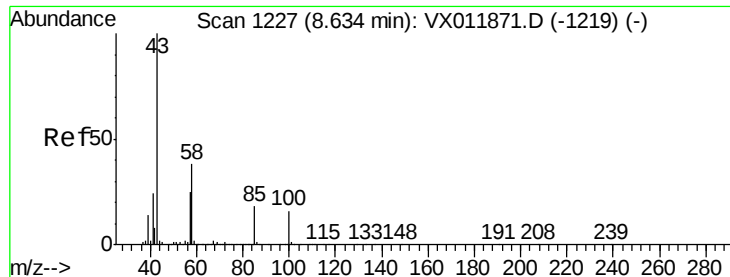
100 66.4 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

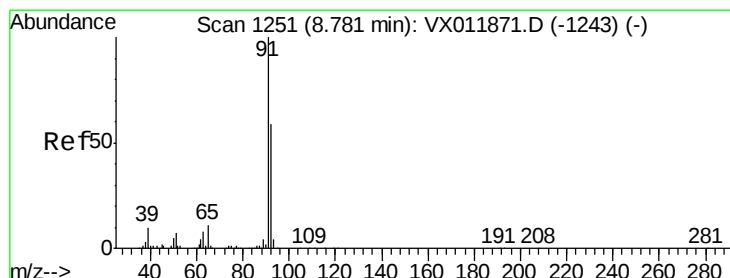
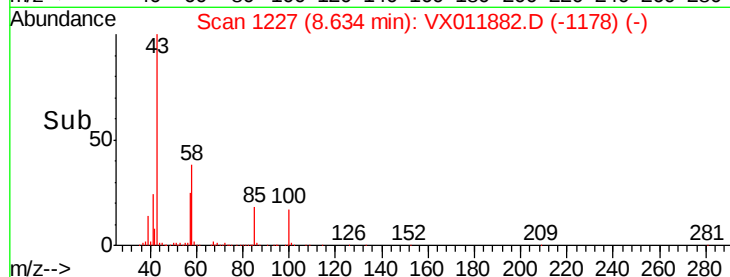
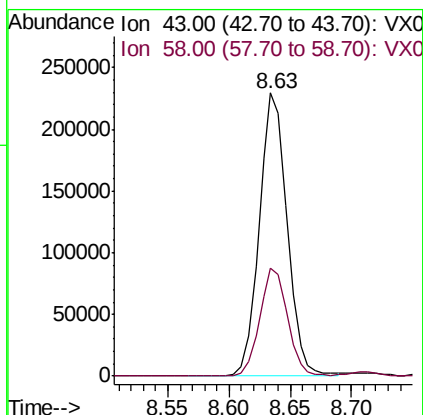
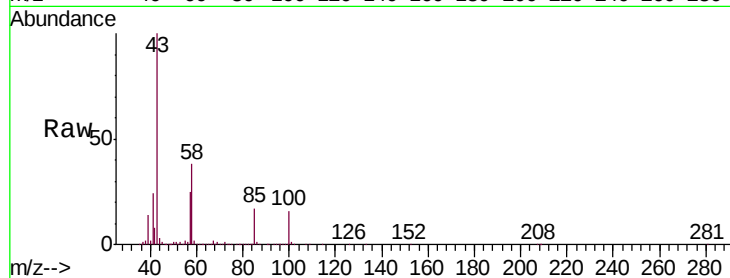




#51
 4-Methyl-2-Pentanone
 Concen: 278.259 ug/l
 RT: 8.63 min Scan# 1227
 Delta R.T. -0.00 min
 Lab File: VX011882.D
 Acq: 28 Aug 2019 21:32

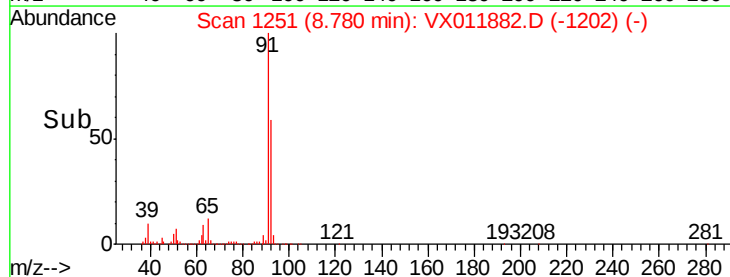
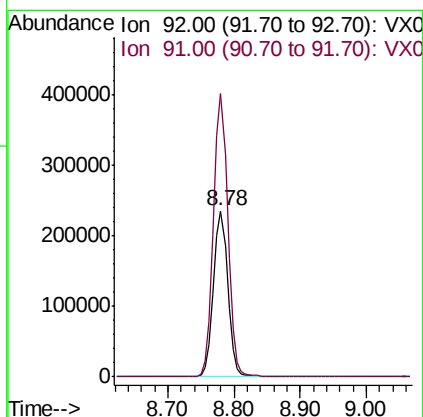
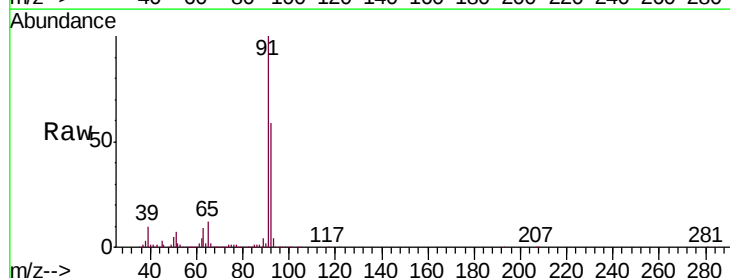
Instrument :
 MSVOA_X
 ClientSampleId :

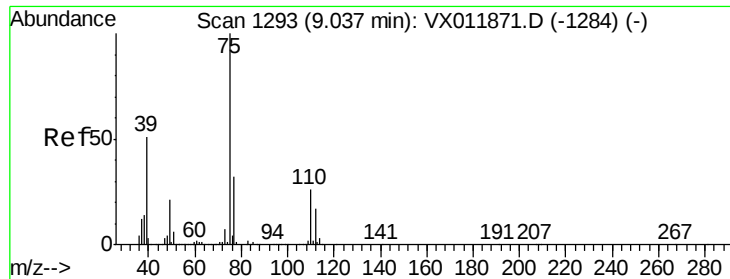
Tot Ion: 43 Resp: 362670
 Ion Ratio Lower Upper
 43 100
 58 38.3 30.8 46.2



#52
 Toluene
 Concen: 48.513 ug/l
 RT: 8.78 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VX011882.D
 Acq: 28 Aug 2019 21:32

Tgt Ion: 92 Resp: 353187
 Ion Ratio Lower Upper
 92 100
 91 170.9 136.2 204.2





#53

t-1,3-Dichloropropene

Concen: 41.119 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. -0.00 min

Lab File: VX011882.D

Acq: 28 Aug 2019 21:32

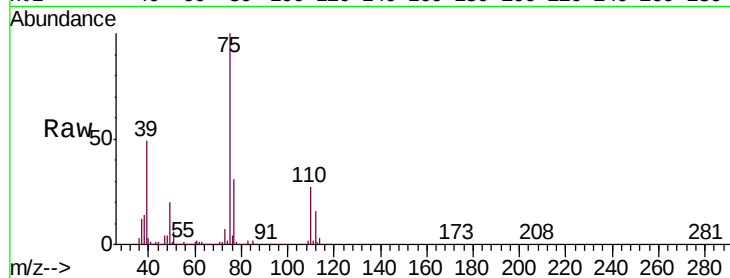
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 75 Resp: 137188

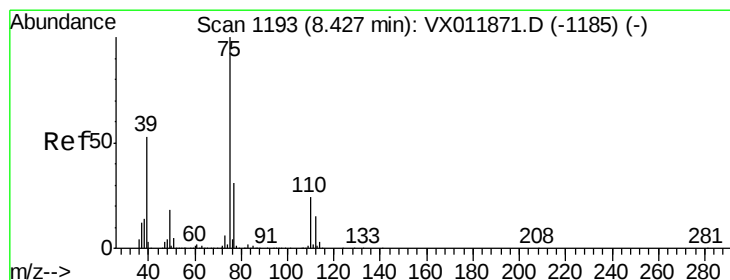
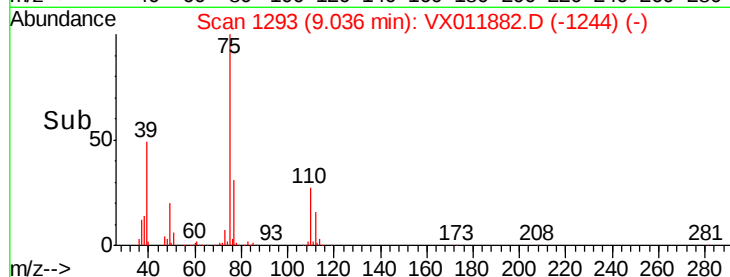
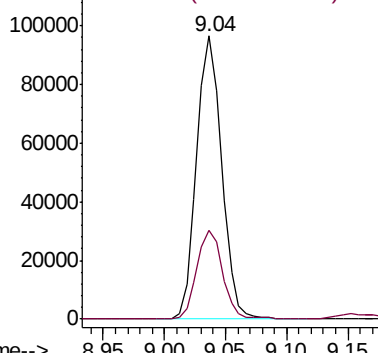
Ion Ratio Lower Upper

75 100

77 31.3 25.4 38.0



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 43.731 ug/l

RT: 8.43 min Scan# 1193

Delta R.T. -0.00 min

Lab File: VX011882.D

Acq: 28 Aug 2019 21:32

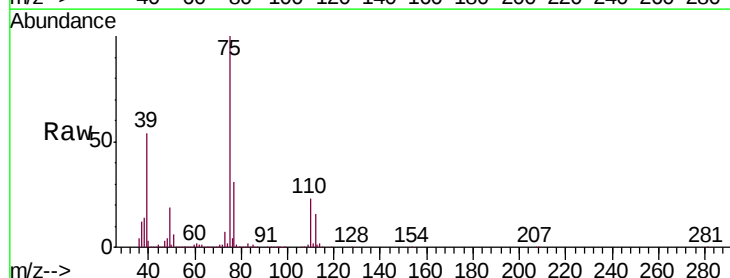
Tgt Ion: 75 Resp: 184205

Ion Ratio Lower Upper

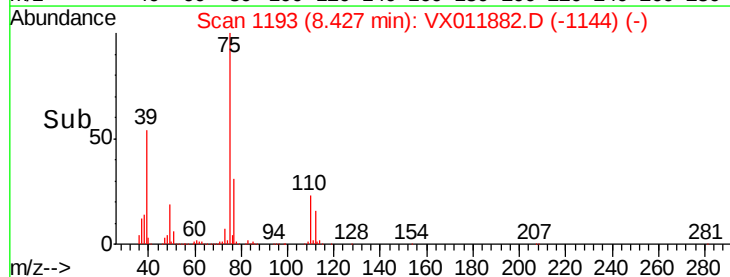
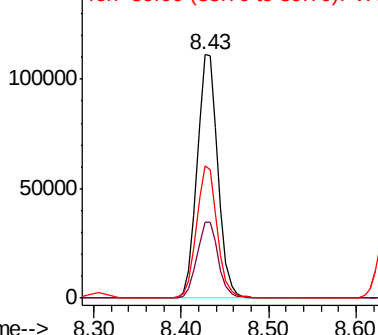
75 100

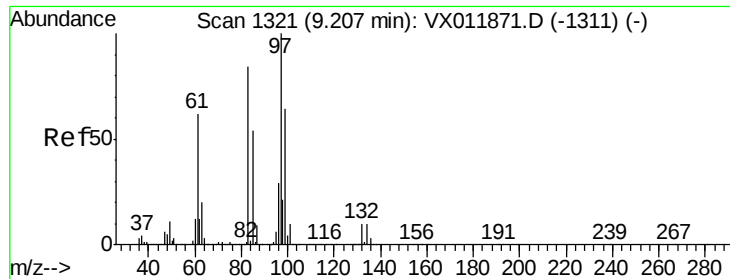
77 31.2 24.9 37.3

39 54.1 42.2 63.4



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 76.90 (76.60 to 77.60): VX0
Ion 39.00 (38.70 to 39.70): VX0





#55

1,1,2-Trichloroethane

Concen: 52.401 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. 0.01 min

Lab File: VX011882.D

Acq: 28 Aug 2019 21:32

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 97 Resp: 113728

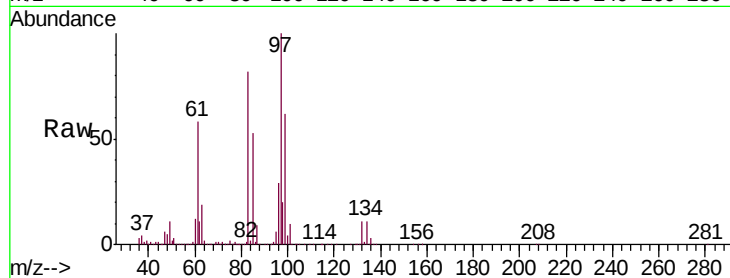
Ion Ratio Lower Upper

97 100

83 82.3 67.6 101.4

85 52.4 42.9 64.3

99 62.0 51.1 76.7

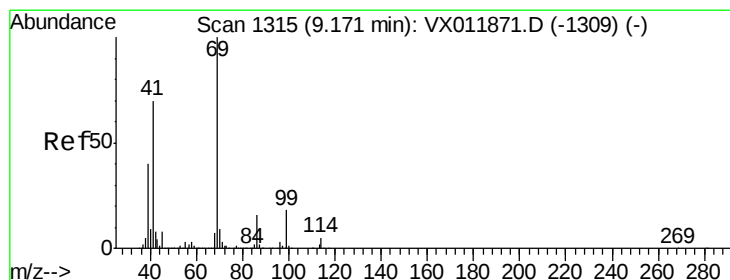
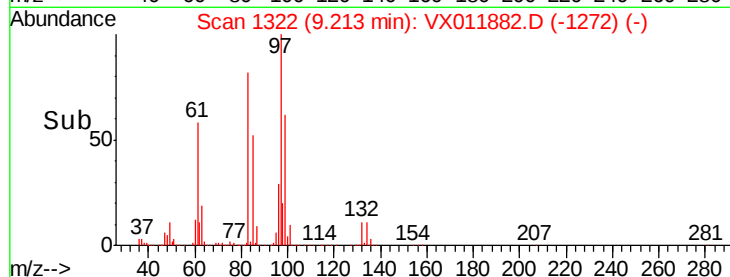
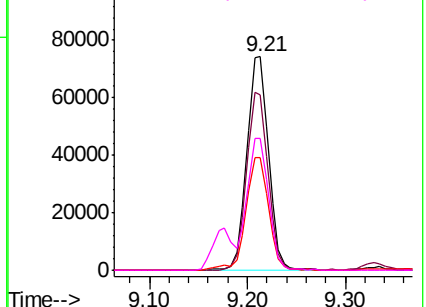


Abundance Ion 96.90 (96.60 to 97.60): VX0

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: 50.531 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VX011882.D

Acq: 28 Aug 2019 21:32

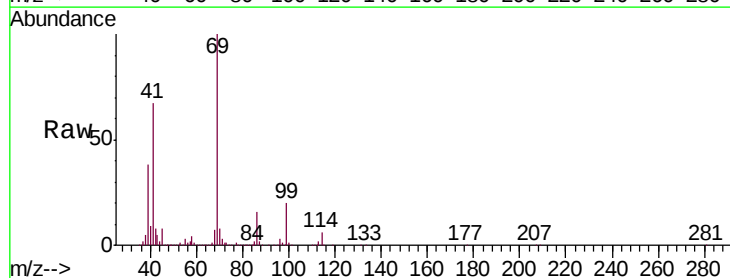
Tgt Ion: 69 Resp: 106931

Ion Ratio Lower Upper

69 100

41 70.2 55.9 83.9

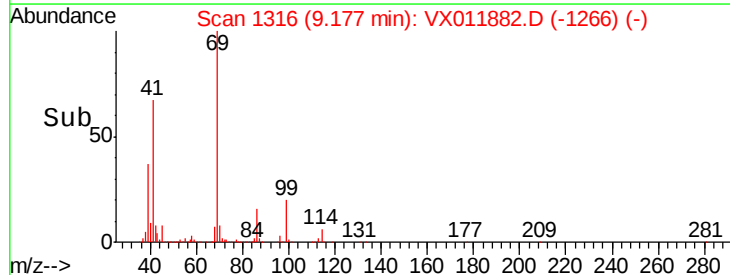
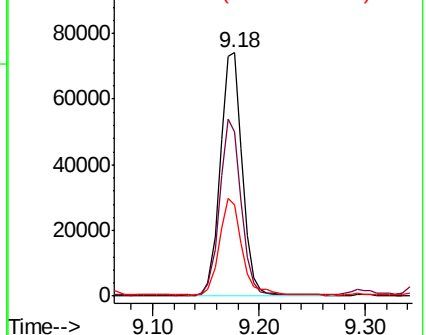
39 40.7 31.9 47.9

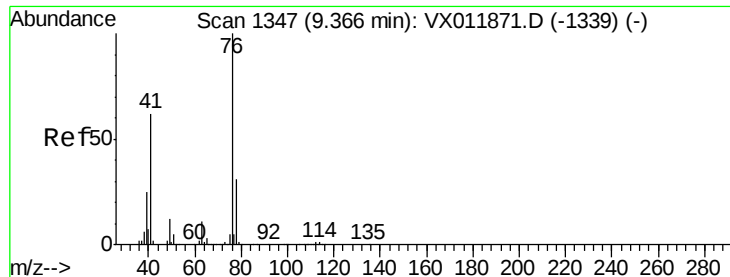


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 50.639 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.00 min

Lab File: VX011882.D

Acq: 28 Aug 2019 21:32

Instrument :

MSVOA_X

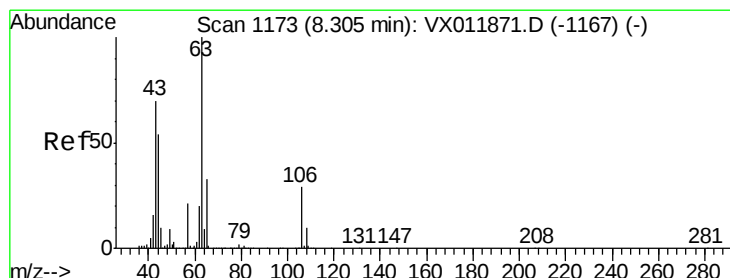
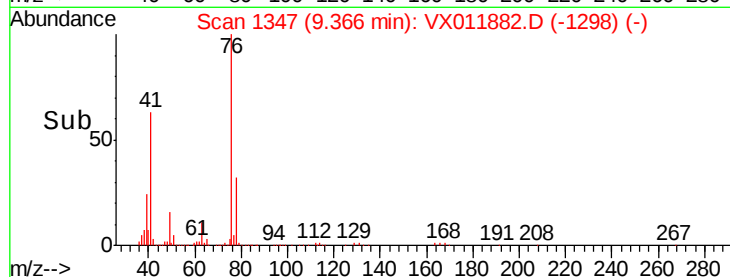
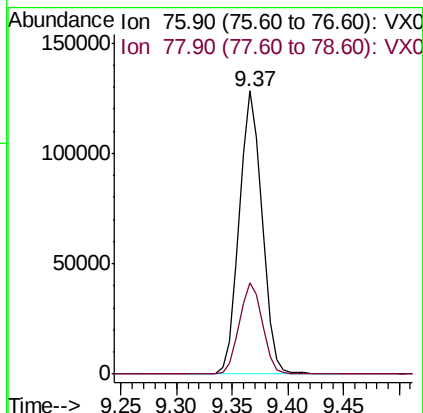
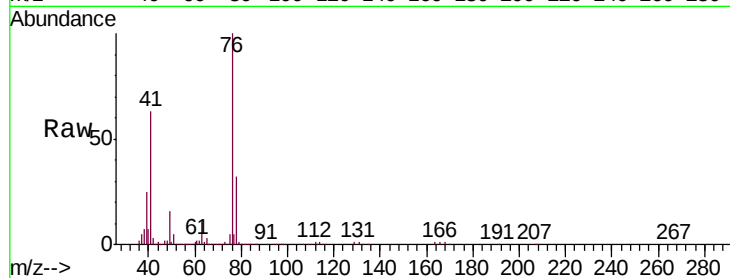
ClientSampled :

Tot Ion: 76 Resp: 182664

Ion Ratio Lower Upper

76 100

78 32.4 25.4 38.0



#58

2-Chloroethyl Vinyl ether

Concen: 218.844 ug/l

RT: 8.30 min Scan# 1173

Delta R.T. -0.00 min

Lab File: VX011882.D

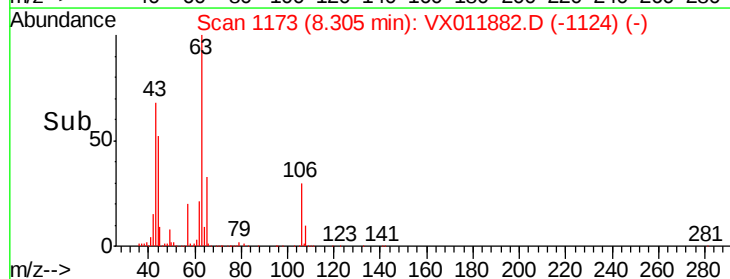
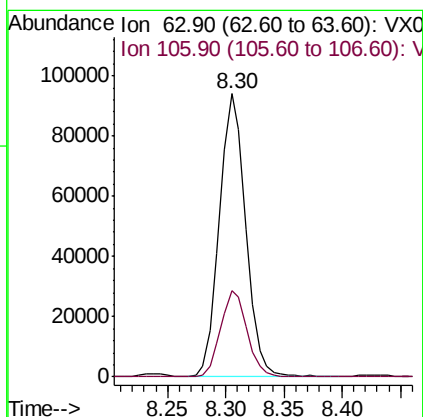
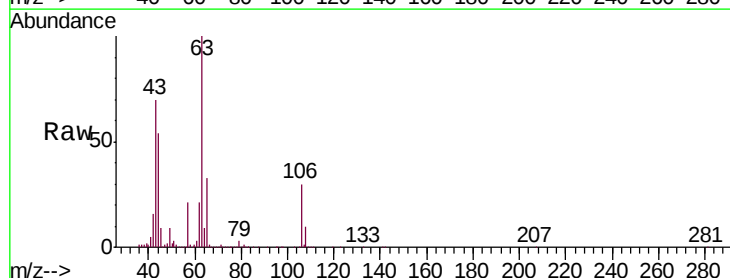
Acq: 28 Aug 2019 21:32

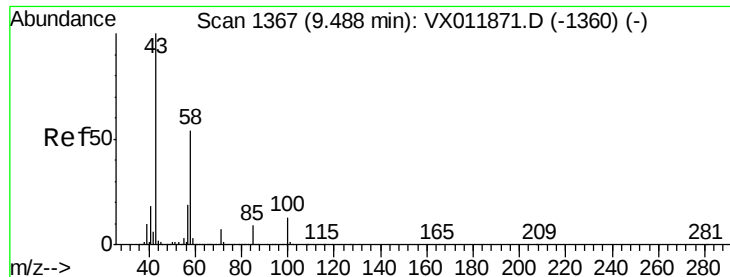
Tgt Ion: 63 Resp: 146280

Ion Ratio Lower Upper

63 100

106 30.7 24.6 36.8

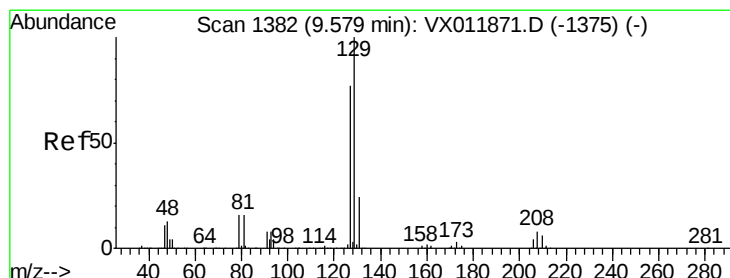
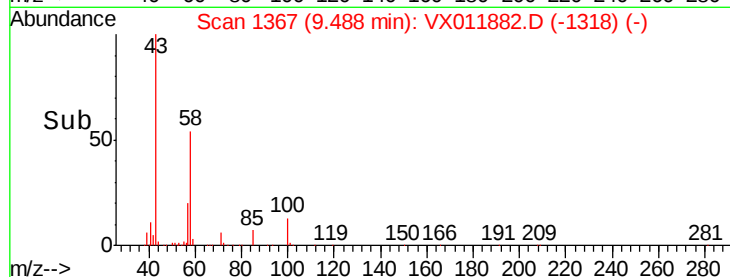
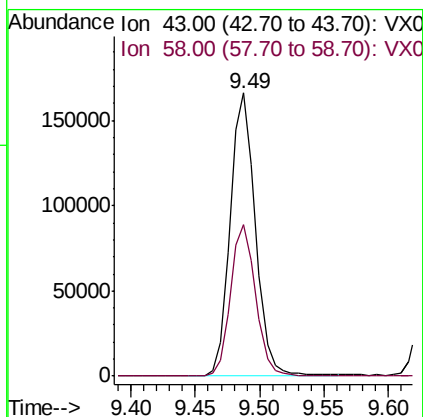
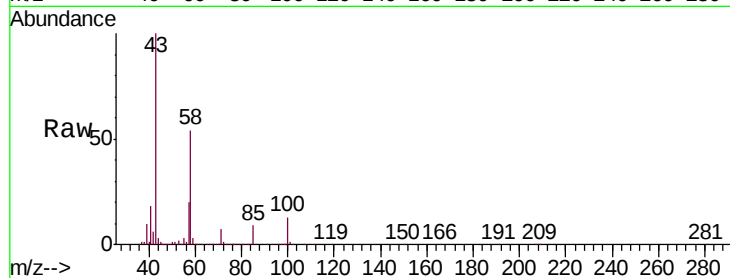




#59
2-Hexanone
Concen: 271.651 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX011882.D
Acq: 28 Aug 2019 21:32

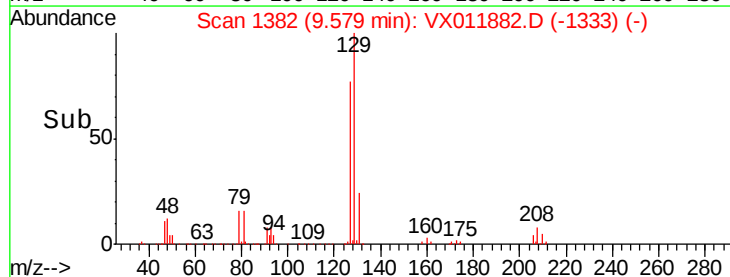
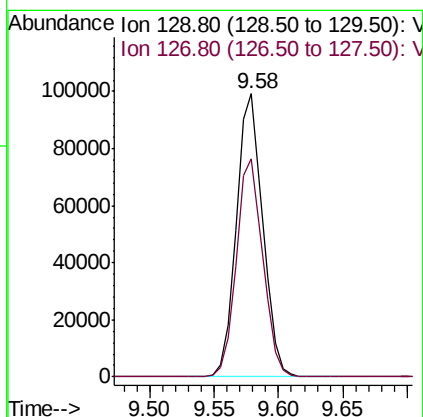
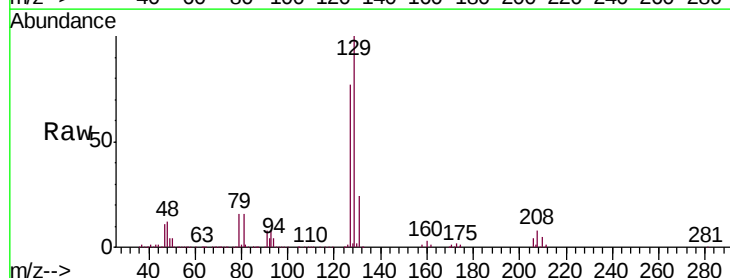
Instrument :
MSVOA_X
ClientSampleId :

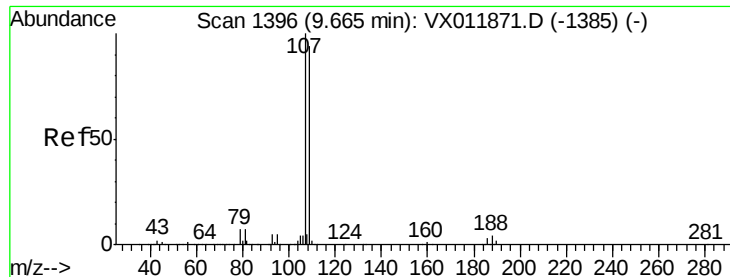
Tot Ion: 43 Resp: 226259
Ion Ratio Lower Upper
43 100
58 54.2 26.7 80.1



#60
Dibromochloromethane
Concen: 48.837 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX011882.D
Acq: 28 Aug 2019 21:32

Tgt Ion:129 Resp: 141045
Ion Ratio Lower Upper
129 100
127 77.3 38.3 114.8





#61

1,2-Dibromoethane

Concen: 49.308 ug/l

RT: 9.66 min Scan# 1396

Delta R.T. -0.00 min

Lab File: VX011882.D

Acq: 28 Aug 2019 21:32

Instrument :

MSVOA_X

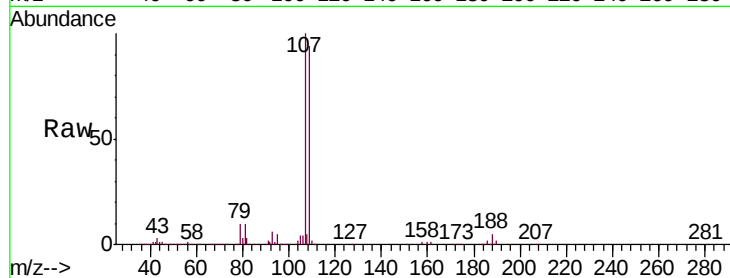
ClientSampleId :

Tot Ion:107 Resp: 104780

Ion Ratio Lower Upper

107 100

109 95.0 75.5 113.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.66

80000

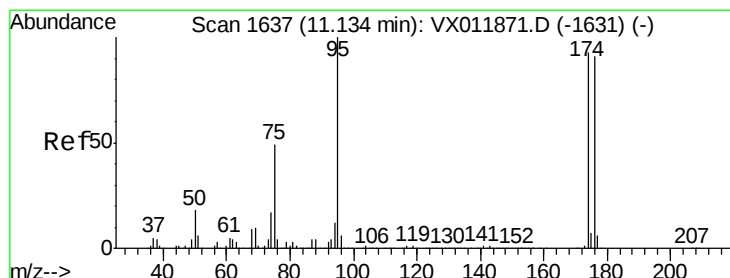
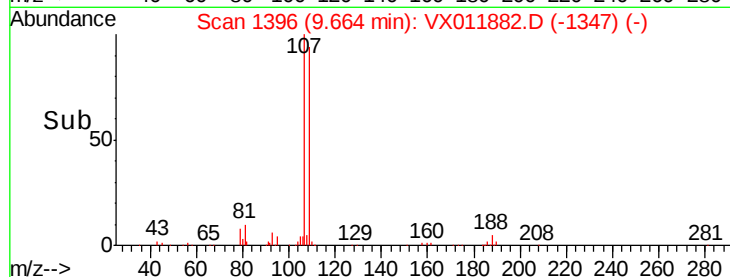
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 49.908 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011882.D

Acq: 28 Aug 2019 21:32

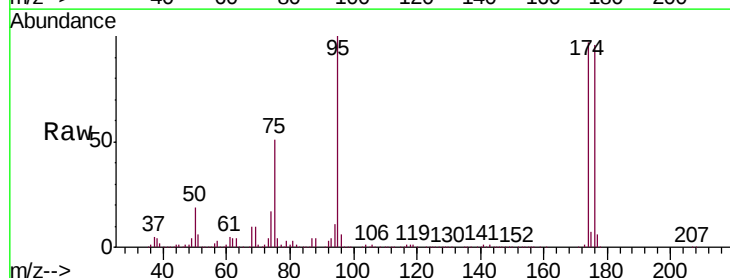
Tgt Ion: 95 Resp: 214440

Ion Ratio Lower Upper

95 100

174 95.2 0.0 189.2

176 93.3 0.0 185.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

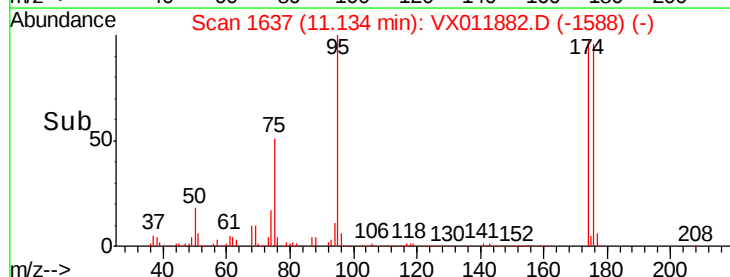
150000

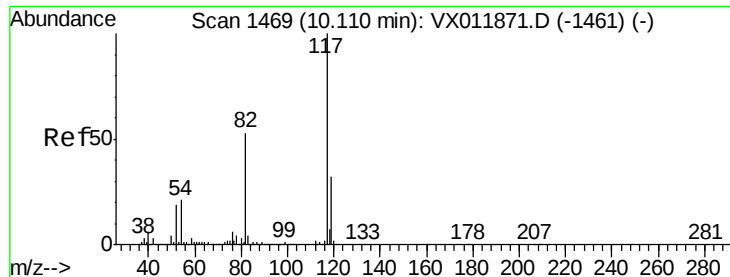
100000

50000

0

Time-->

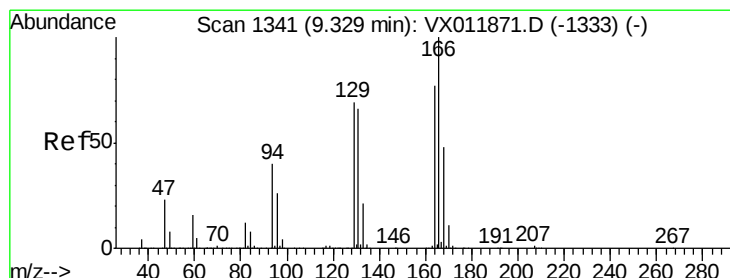
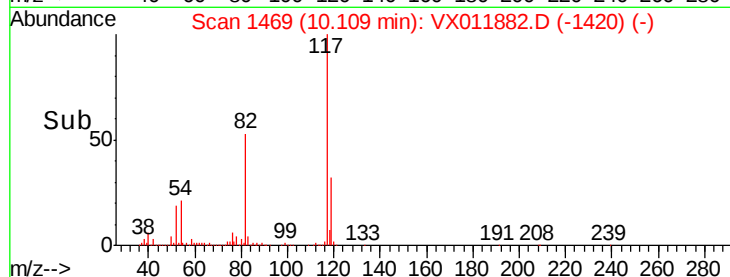
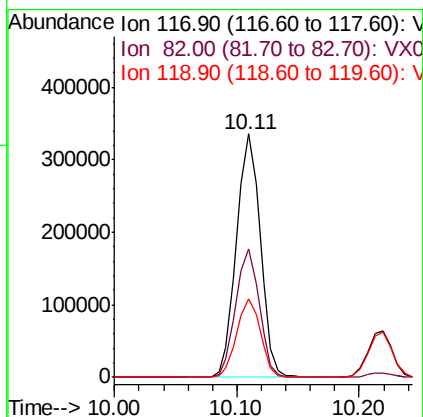
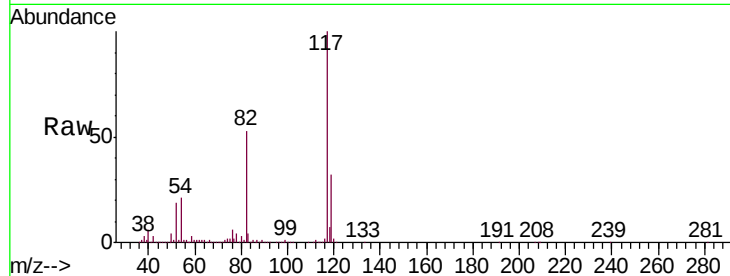




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011882.D
Acq: 28 Aug 2019 21:32

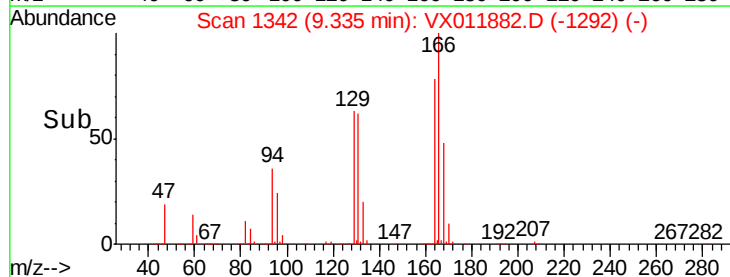
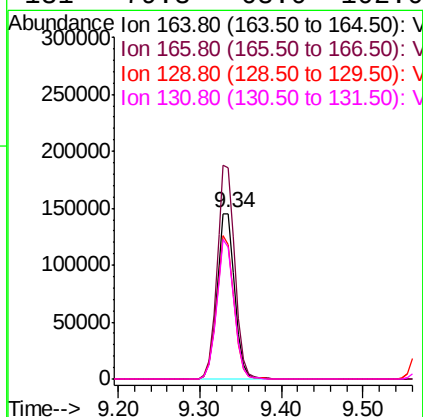
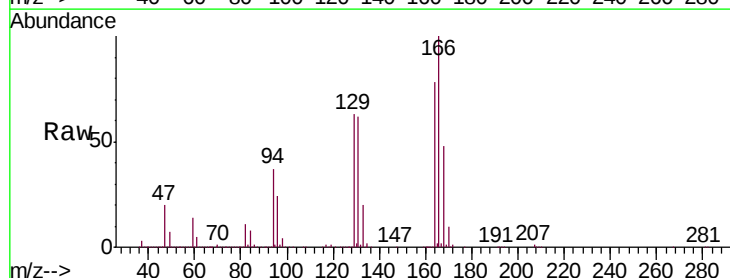
Instrument :
MSVOA_X
ClientSampled :

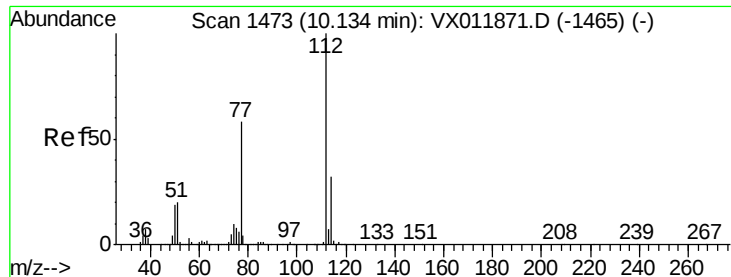
Tot Ion:117 Resp: 452782
Ion Ratio Lower Upper
117 100
82 52.8 42.4 63.6
119 32.3 25.5 38.3



#64
Tetrachloroethene
Concen: 50.480 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.01 min
Lab File: VX011882.D
Acq: 28 Aug 2019 21:32

Tgt Ion:164 Resp: 222419
Ion Ratio Lower Upper
164 100
166 127.6 103.6 155.4
129 81.0 71.4 107.2
131 79.3 68.0 102.0

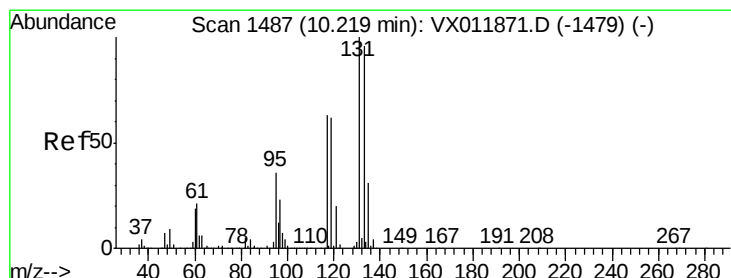
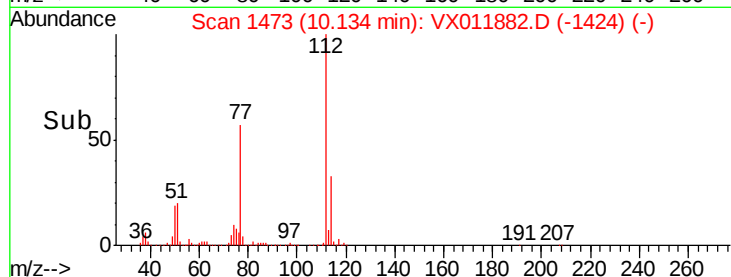
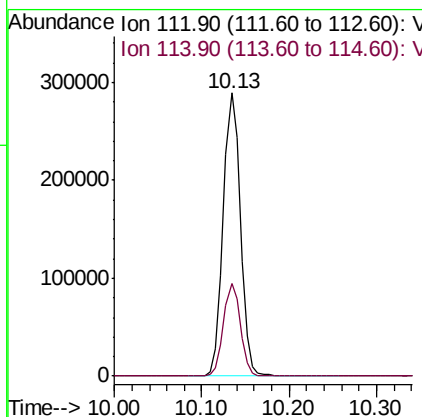
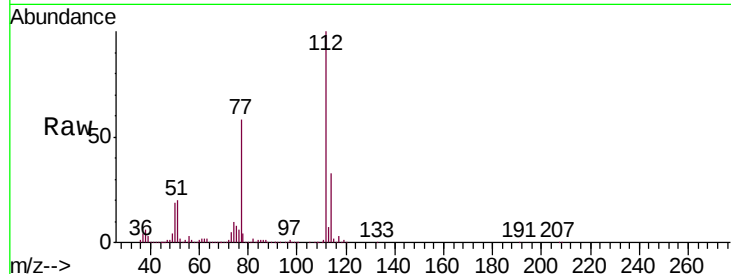




#65
Chlorobenzene
Concen: 46.806 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VX011882.D
Acq: 28 Aug 2019 21:32

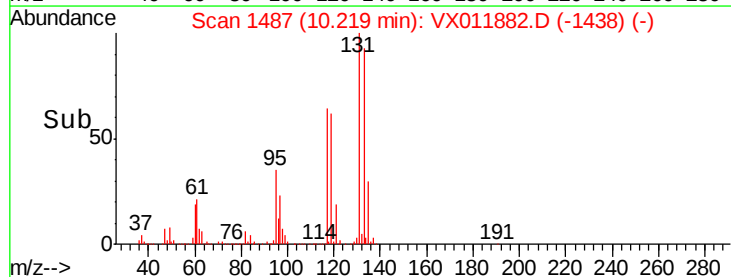
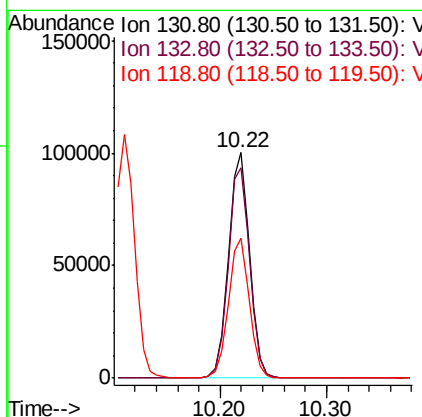
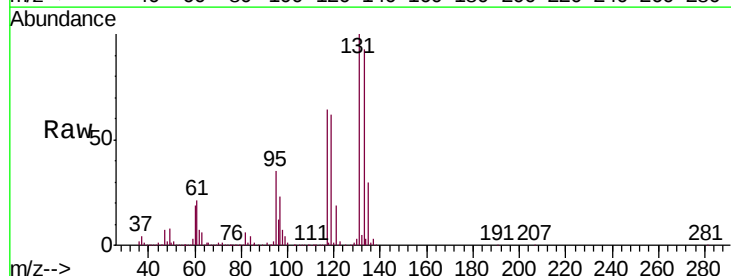
Instrument :
MSVOA_X
ClientSampleId :

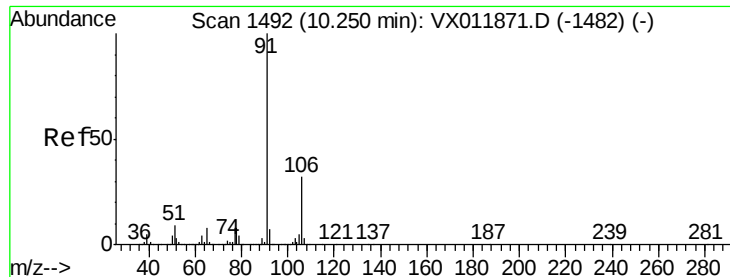
Tot Ion:112 Resp: 392486
Ion Ratio Lower Upper
112 100
114 32.8 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 44.987 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX011882.D
Acq: 28 Aug 2019 21:32

Tgt Ion:131 Resp: 138392
Ion Ratio Lower Upper
131 100
133 95.4 47.8 143.3
119 61.8 31.1 93.5

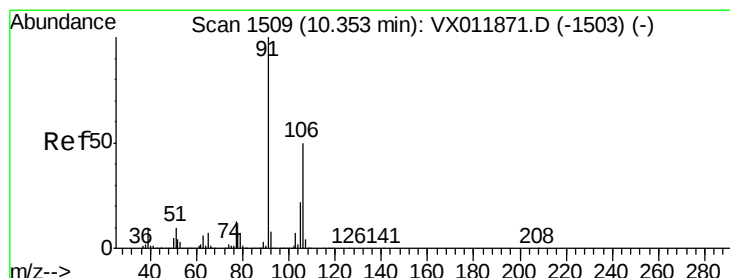
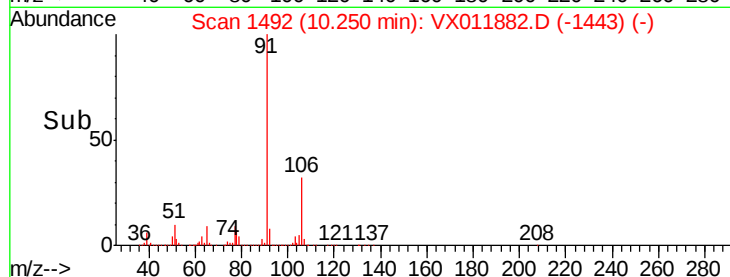
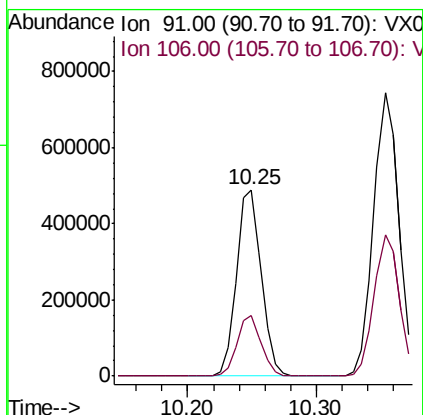
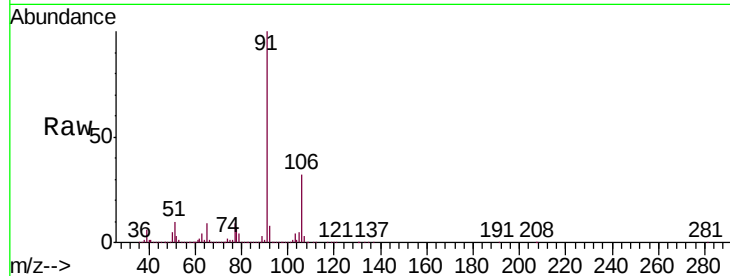




#67
Ethyl Benzene
Concen: 45.456 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX011882.D
Acq: 28 Aug 2019 21:32

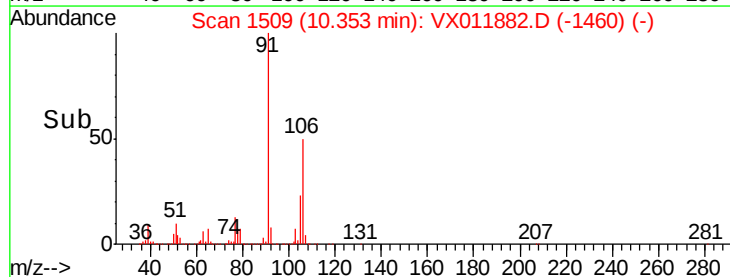
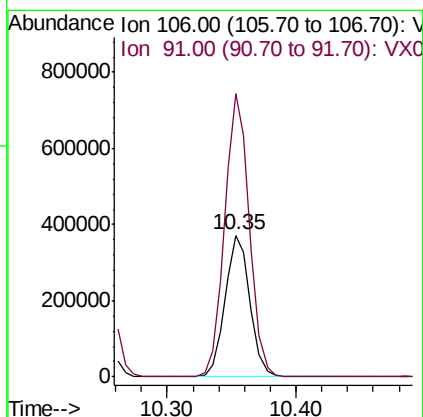
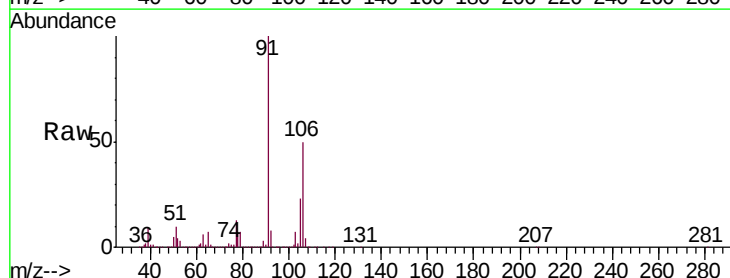
Instrument :
MSVOA_X
ClientSampleId :

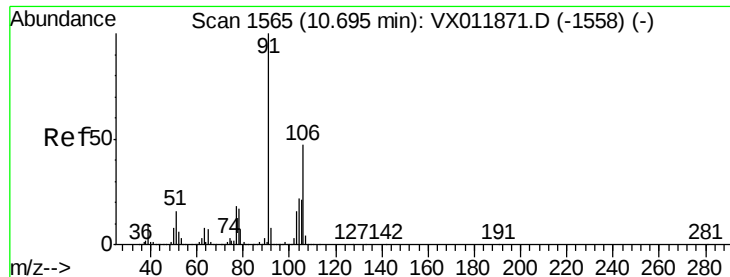
Tot Ion: 91 Resp: 654726
Ion Ratio Lower Upper
91 100
106 32.5 25.5 38.3



#68
m/p-Xylenes
Concen: 91.311 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.00 min
Lab File: VX011882.D
Acq: 28 Aug 2019 21:32

Tgt Ion: 106 Resp: 500647
Ion Ratio Lower Upper
106 100
91 199.6 158.9 238.3

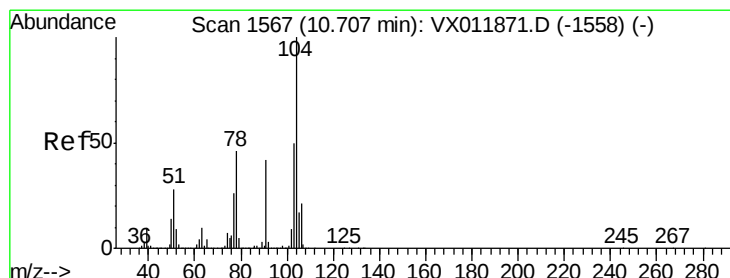
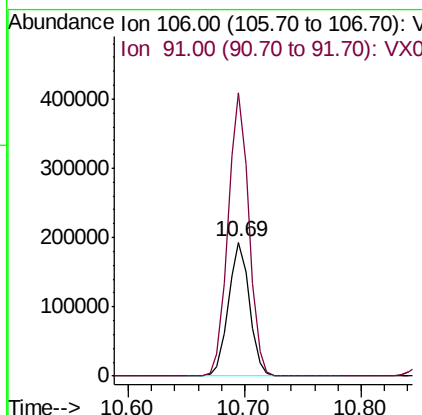
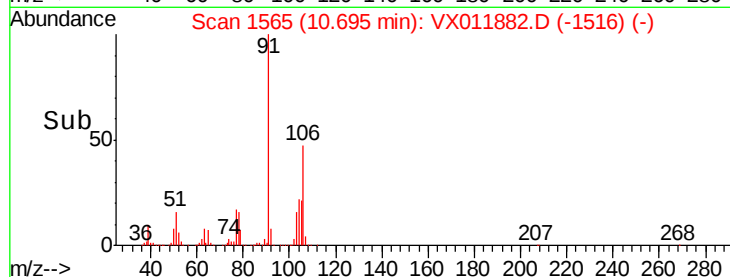
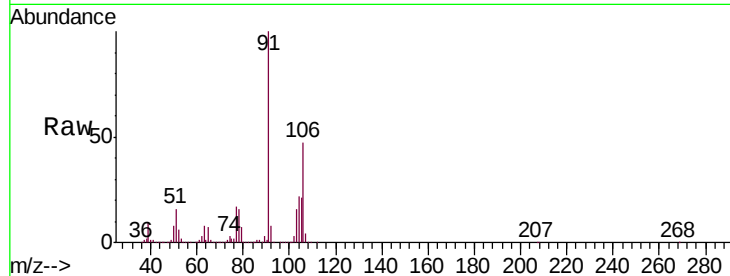




#69
o-Xylene
Concen: 46.751 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX011882.D
Acq: 28 Aug 2019 21:32

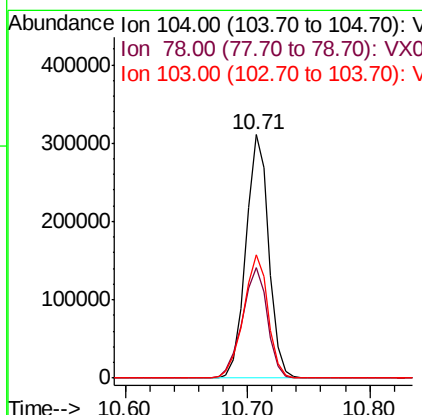
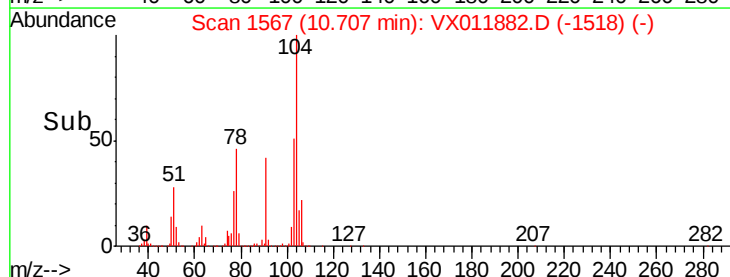
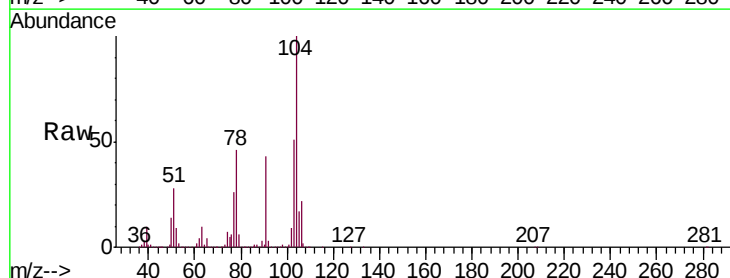
Instrument :
MSVOA_X
ClientSampleId :

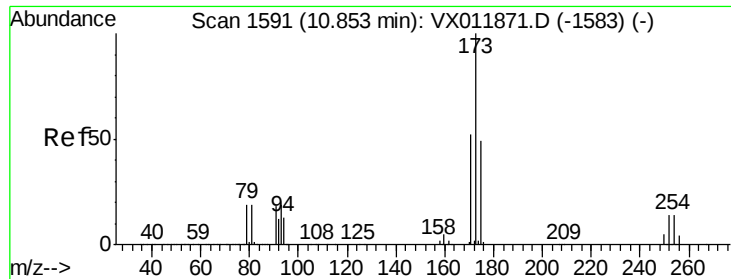
Tot Ion:106 Resp: 241205
Ion Ratio Lower Upper
106 100
91 209.6 105.6 316.8



#70
Styrene
Concen: 47.083 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX011882.D
Acq: 28 Aug 2019 21:32

Tgt Ion:104 Resp: 401753
Ion Ratio Lower Upper
104 100
78 50.2 40.4 60.6
103 54.5 43.5 65.3

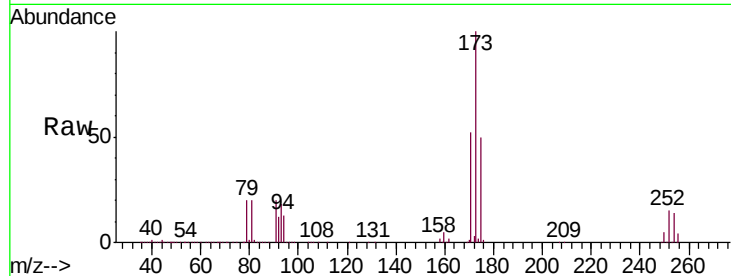




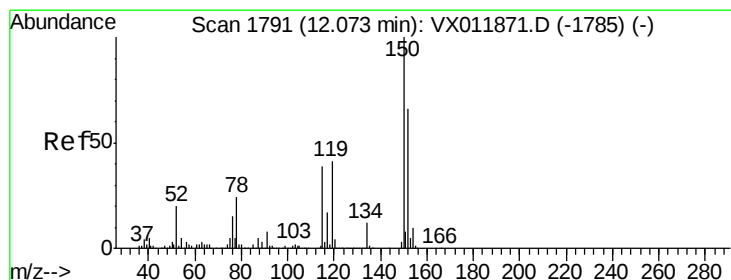
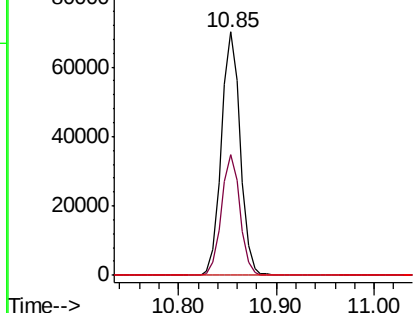
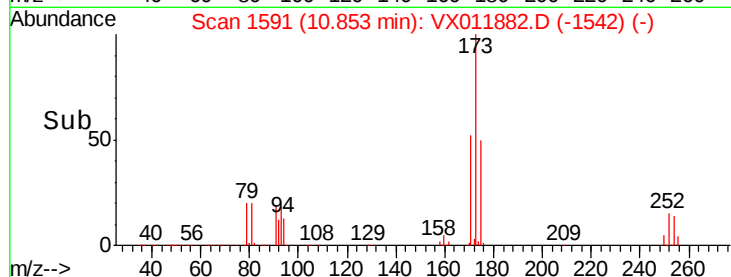
#71
Bromoform
Concen: 46.928 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.00 min
Lab File: VX011882.D
Acq: 28 Aug 2019 21:32

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:173 Resp: 93543
Ion Ratio Lower Upper
173 100
175 48.9 23.8 71.2
254 0.2 0.2 0.2

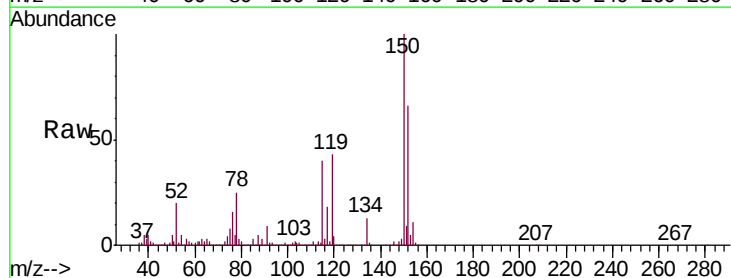


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

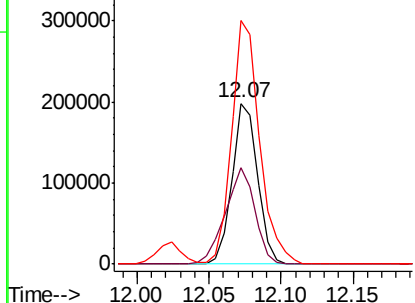
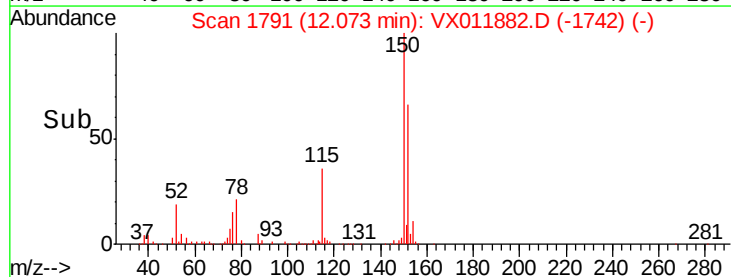


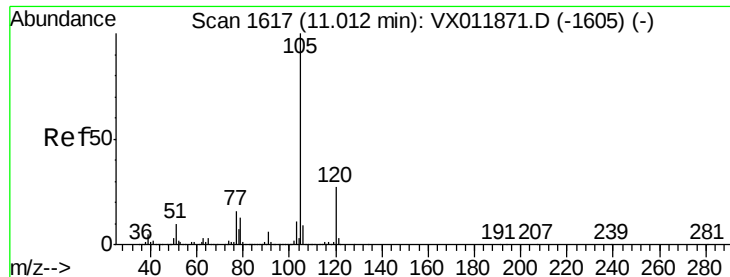
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1791
Delta R.T. -0.00 min
Lab File: VX011882.D
Acq: 28 Aug 2019 21:32

Tgt Ion:152 Resp: 246158
Ion Ratio Lower Upper
152 100
115 69.2 36.0 108.1
150 166.1 0.0 341.4



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: 43.115 ug/l

RT: 11.01 min Scan# 1617

Delta R.T. -0.00 min

Lab File: VX011882.D

Acq: 28 Aug 2019 21:32

Instrument :

MSVOA_X

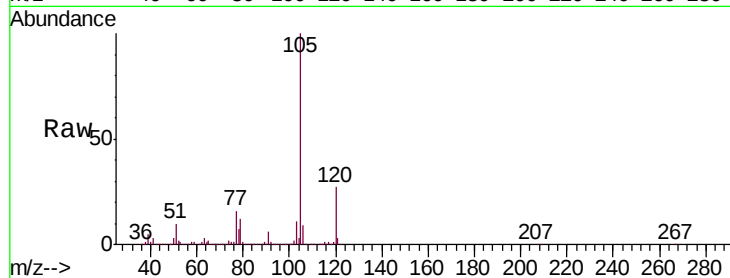
ClientSampled :

Tot Ion:105 Resp: 612872

Ion Ratio Lower Upper

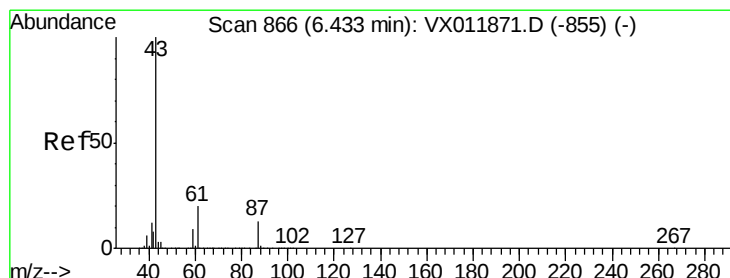
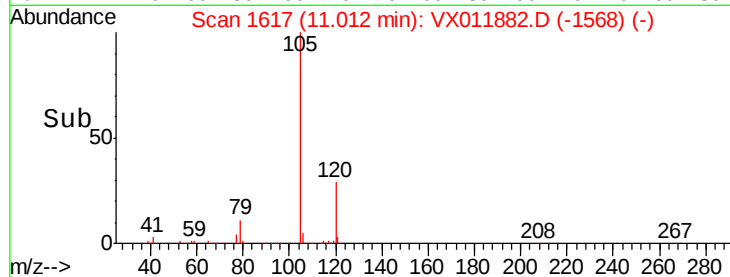
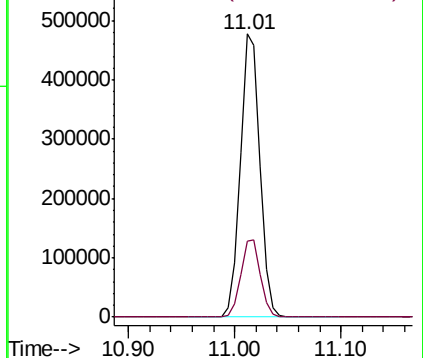
105 100

120 27.5 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 44.687 ug/l

RT: 6.43 min Scan# 866

Delta R.T. -0.00 min

Lab File: VX011882.D

Acq: 28 Aug 2019 21:32

Tgt Ion: 43 Resp: 159959

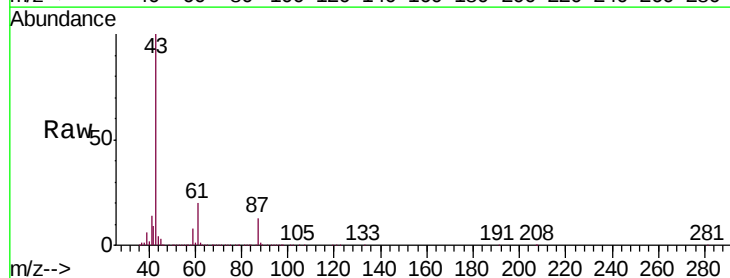
Ion Ratio Lower Upper

43 100

70 0.1 0.1 0.1#

55 0.1 0.1 0.1#

61 19.5 15.6 23.4

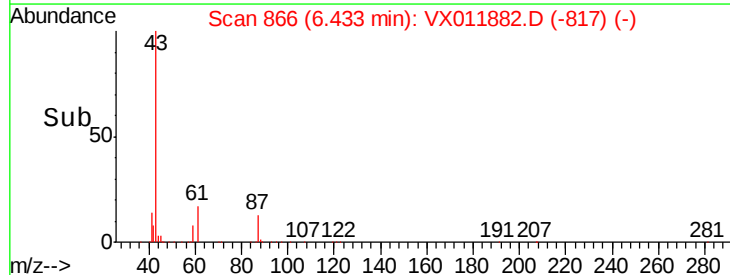
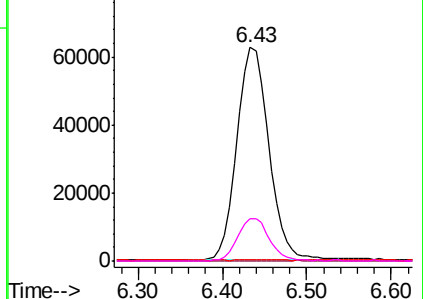


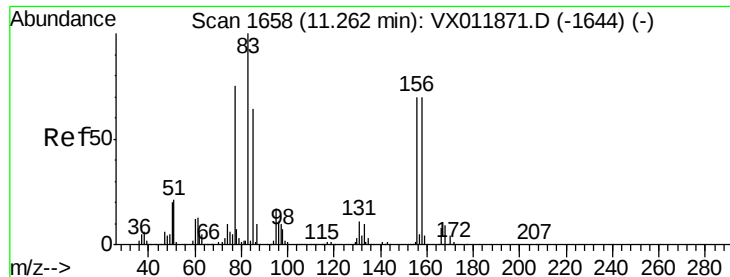
Abundance Ion 43.00 (42.70 to 43.70): VX0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 44.910 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.00 min

Lab File: VX011882.D

Acq: 28 Aug 2019 21:32

Instrument :

MSVOA_X

ClientSampleId :

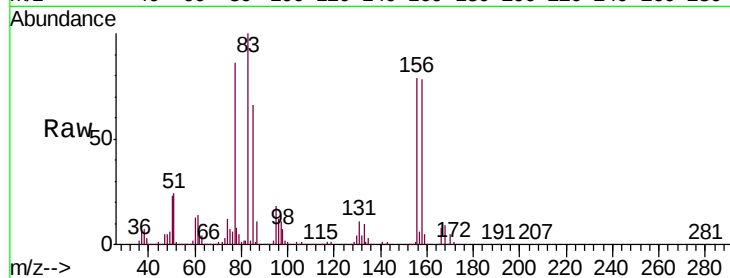
Tot Ion: 83 Resp: 106817

Ion Ratio Lower Upper

83 100

131 12.0 6.0 18.1

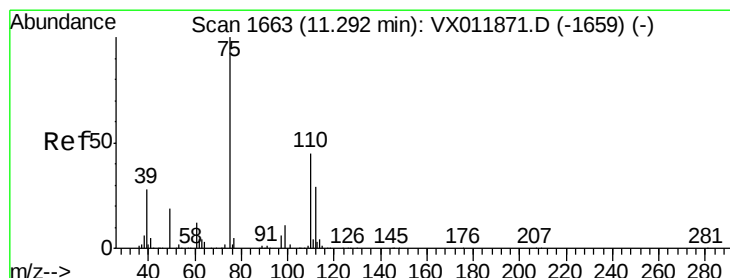
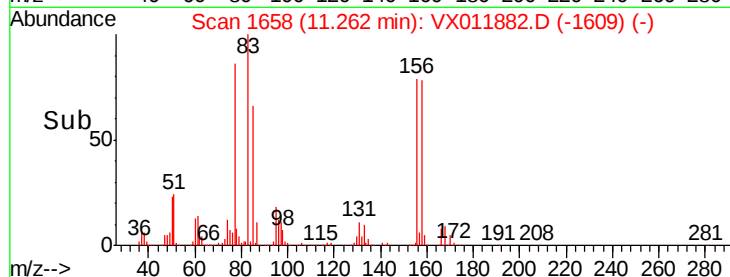
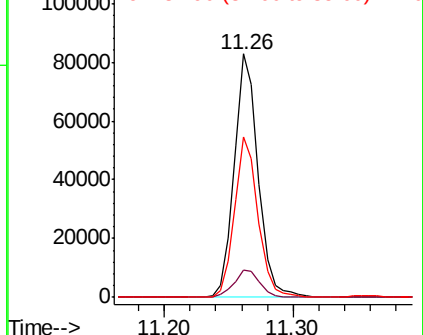
85 65.2 31.9 95.9



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: 52.654 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX011882.D

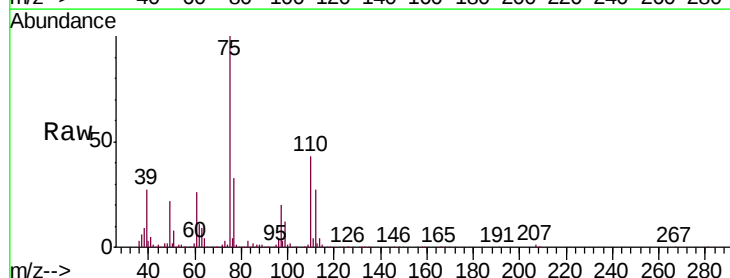
Acq: 28 Aug 2019 21:32

Tgt Ion: 75 Resp: 99553

Ion Ratio Lower Upper

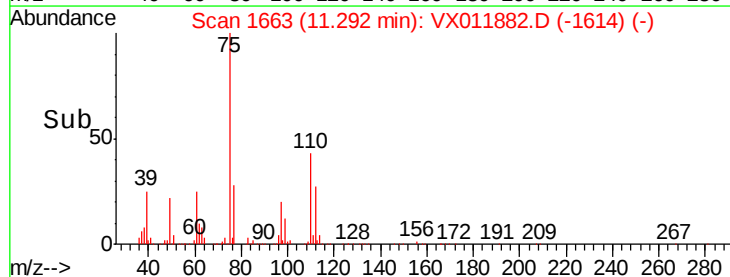
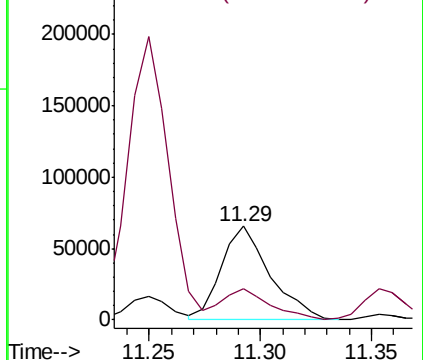
75 100

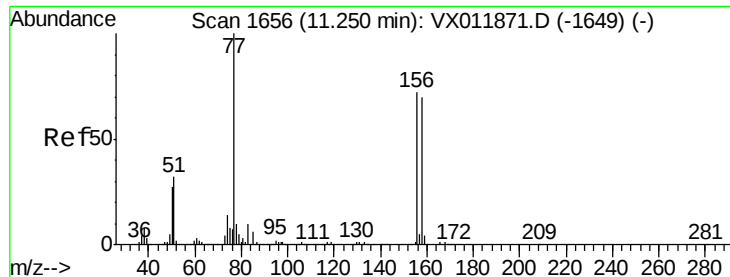
77 32.6 19.5 58.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 45.525 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.00 min

Lab File: VX011882.D

Acq: 28 Aug 2019 21:32

Instrument :

MSVOA_X

ClientSampleId :

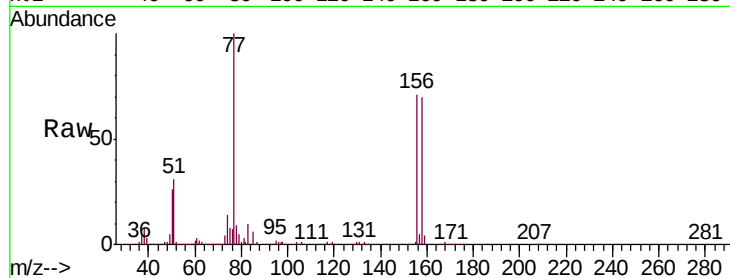
Tot Ion:156 Resp: 180407

Ion Ratio Lower Upper

156 100

77 139.3 69.4 208.2

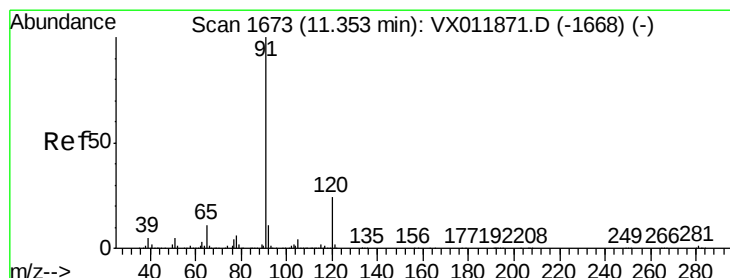
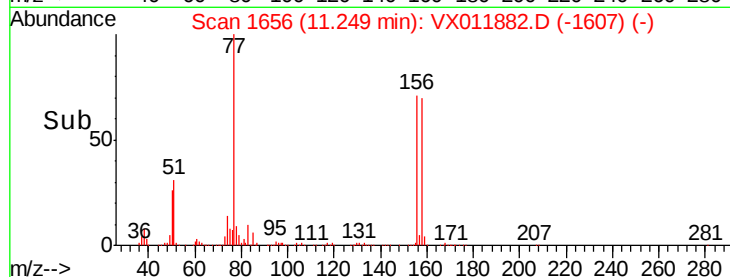
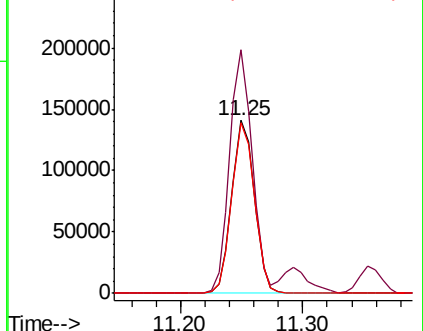
158 98.6 48.2 144.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 42.885 ug/l

RT: 11.35 min Scan# 1673

Delta R.T. -0.00 min

Lab File: VX011882.D

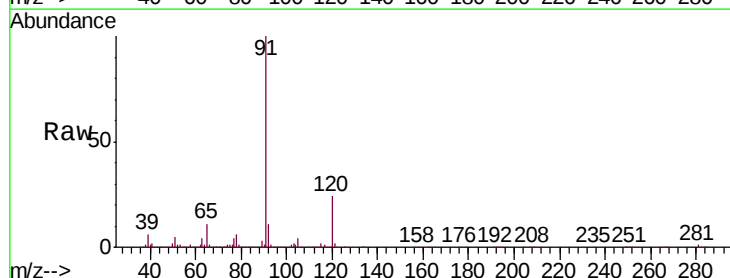
Acq: 28 Aug 2019 21:32

Tgt Ion: 91 Resp: 670577

Ion Ratio Lower Upper

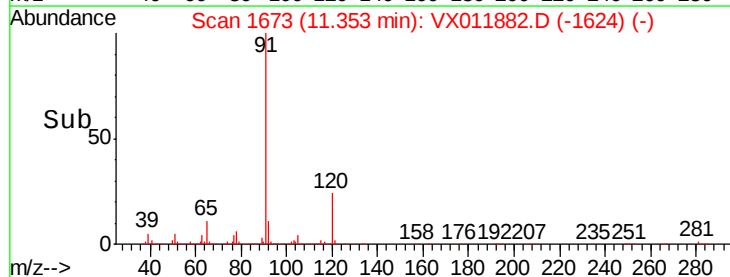
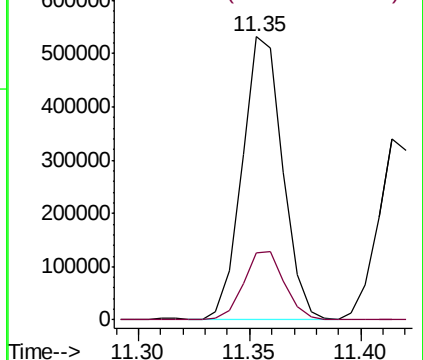
91 100

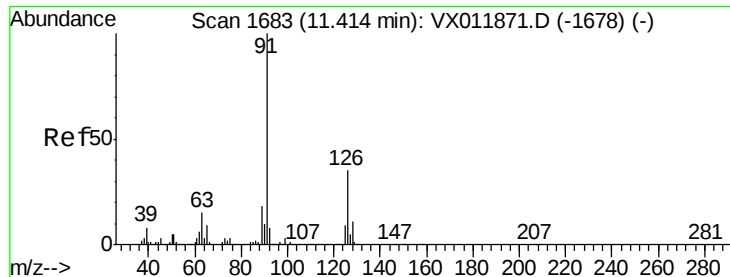
120 24.5 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 43.880 ug/l

RT: 11.41 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VX011882.D

Acq: 28 Aug 2019 21:32

Instrument :

MSVOA_X

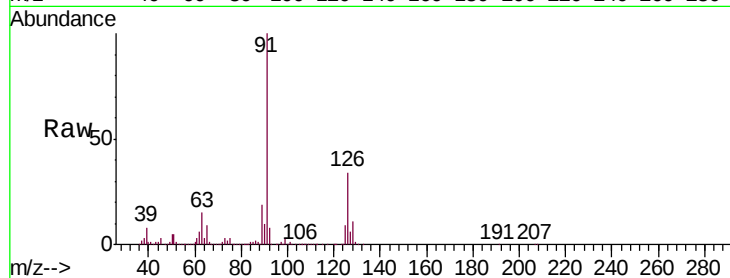
ClientSampled :

Tot Ion: 91 Resp: 429987

Ion Ratio Lower Upper

91 100

126 36.0 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VX011871.D (-1678) (-)

Ion 125.90 (125.60 to 126.60): VX011871.D (-1678) (-)

600000

500000

400000

300000

200000

100000

0

11.40

11.41

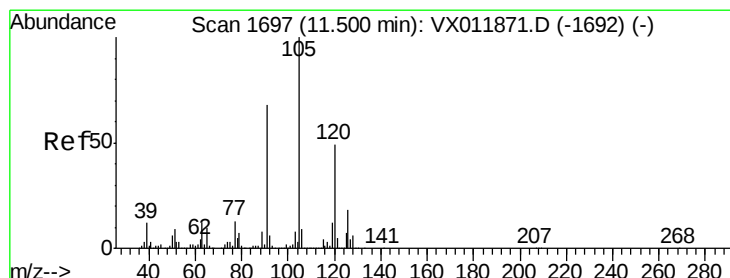
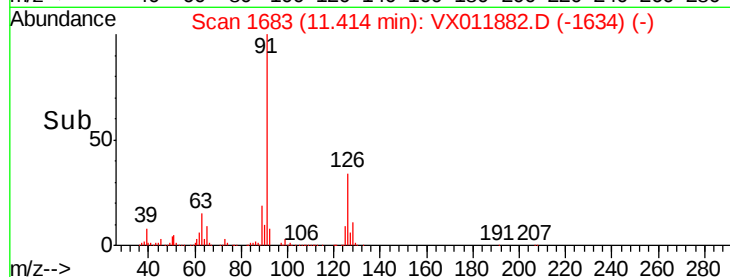
11.42

11.43

11.44

11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 44.132 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.01 min

Lab File: VX011882.D

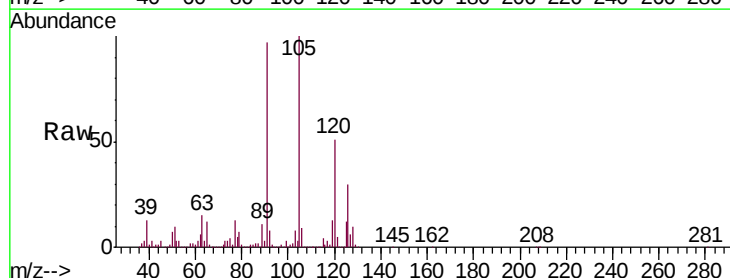
Acq: 28 Aug 2019 21:32

Tgt Ion:105 Resp: 526305

Ion Ratio Lower Upper

105 100

120 50.1 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): VX011871.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX011871.D (-1692) (-)

500000

400000

300000

200000

100000

0

11.50

11.51

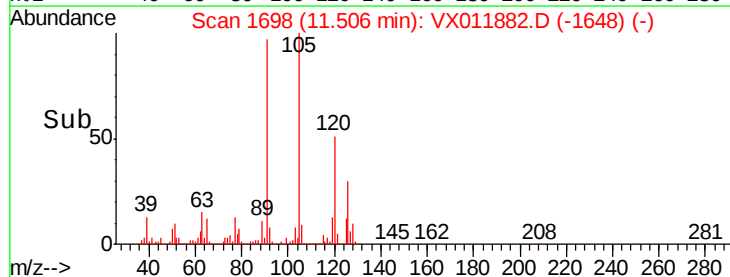
11.52

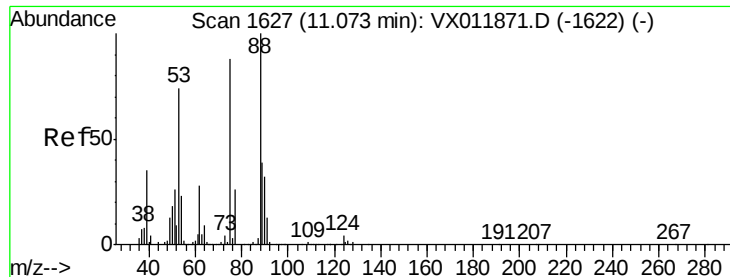
11.53

11.54

11.55

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 36.572 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX011882.D

Acq: 28 Aug 2019 21:32

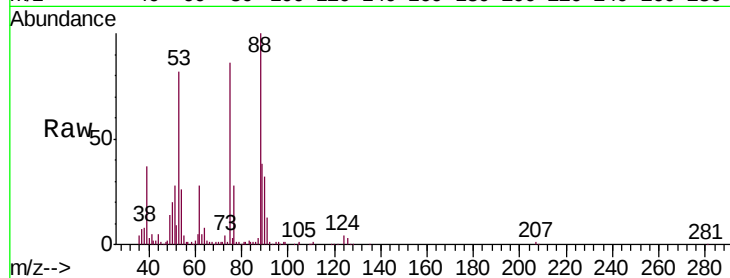
Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 18785

Ion	Ratio	Lower	Upper
75	100		
53	95.9	73.3	109.9
89	47.3	37.4	56.0

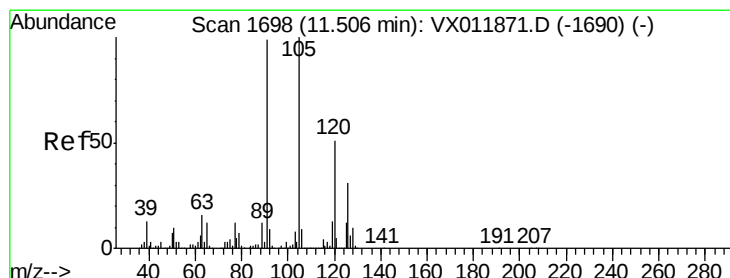
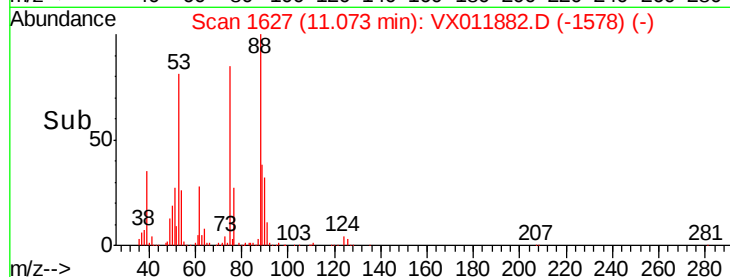
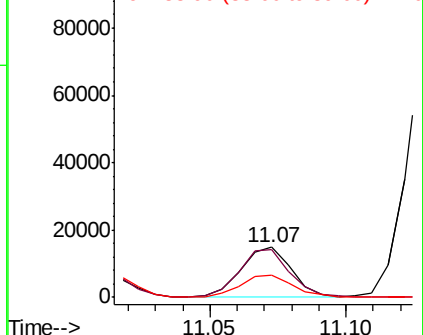


Abundance

Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 44.364 ug/l

RT: 11.51 min Scan# 1698

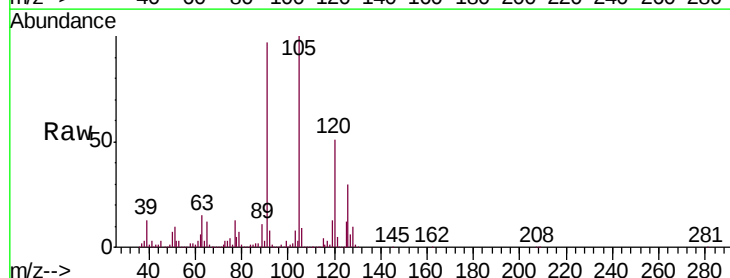
Delta R.T. -0.00 min

Lab File: VX011882.D

Acq: 28 Aug 2019 21:32

Tgt Ion: 91 Resp: 503974

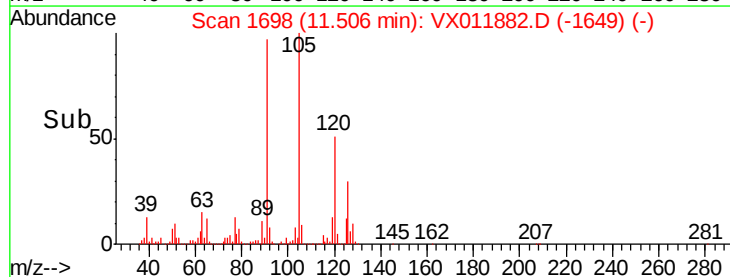
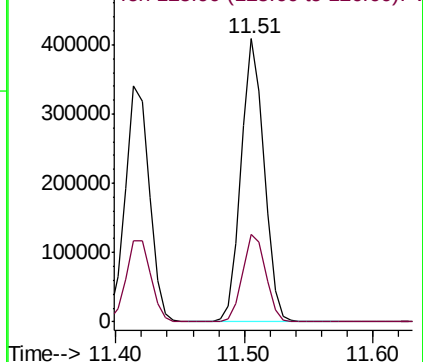
Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.4	46.2

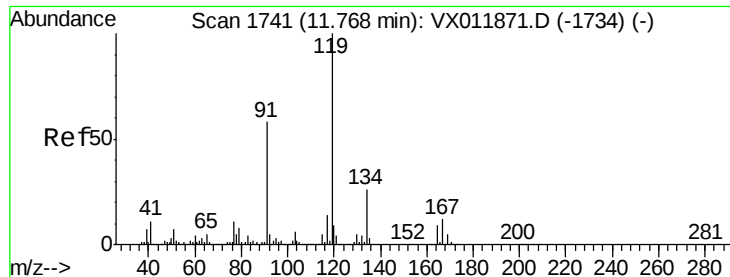


Abundance

Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

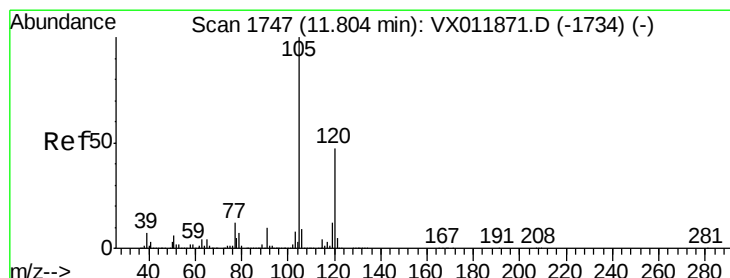
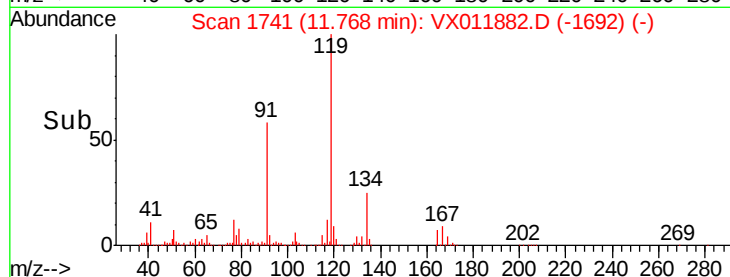
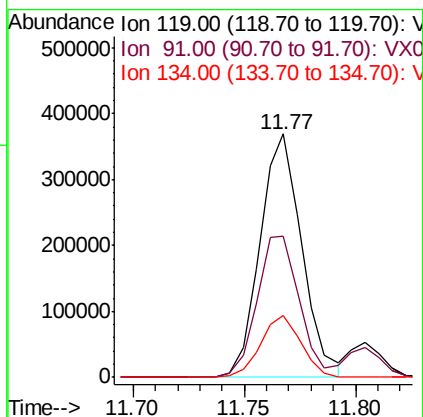
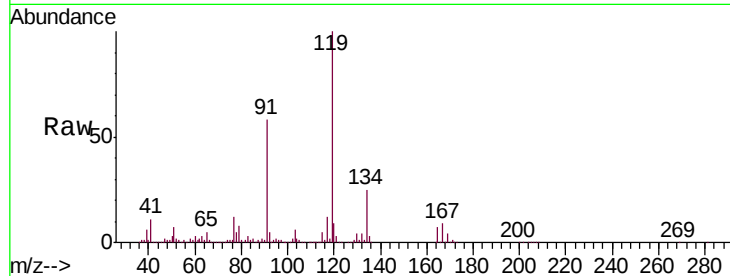




#83
tert-Butylbenzene
Concen: 43.443 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX011882.D
Acq: 28 Aug 2019 21:32

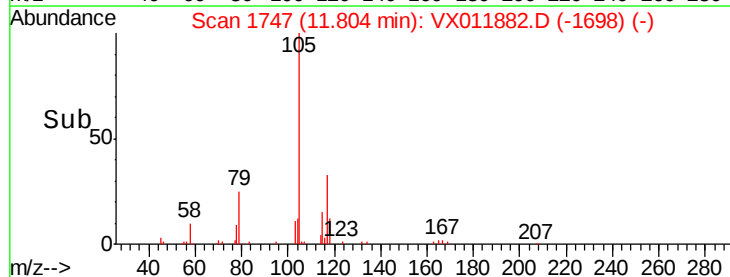
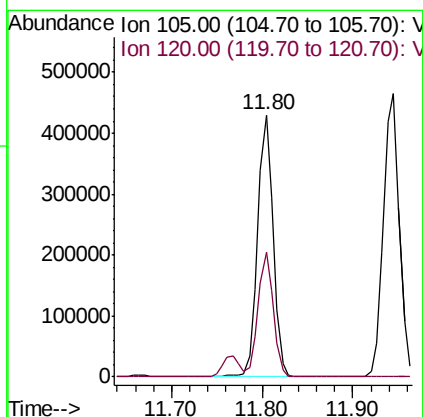
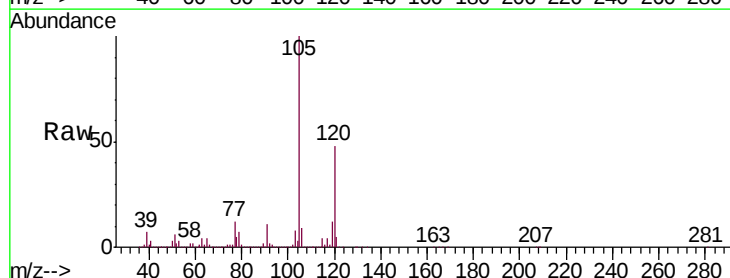
Instrument :
MSVOA_X
ClientSampleId :

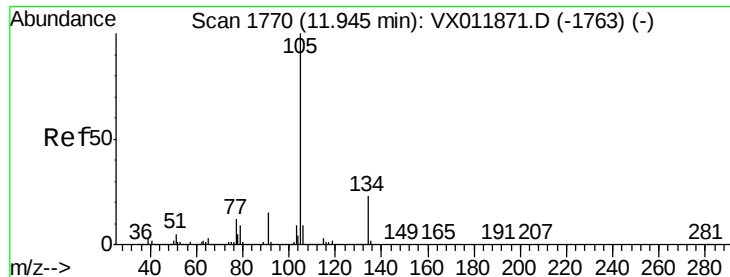
Tot Ion:119 Resp: 481484
Ion Ratio Lower Upper
119 100
91 58.4 28.6 85.8
134 24.5 12.4 37.2



#84
1,2,4-Trimethylbenzene
Concen: 45.116 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX011882.D
Acq: 28 Aug 2019 21:32

Tgt Ion:105 Resp: 510403
Ion Ratio Lower Upper
105 100
120 46.8 23.4 70.0





#85

sec-Butylbenzene

Concen: 43.772 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX011882.D

Acq: 28 Aug 2019 21:32

Instrument :

MSVOA_X

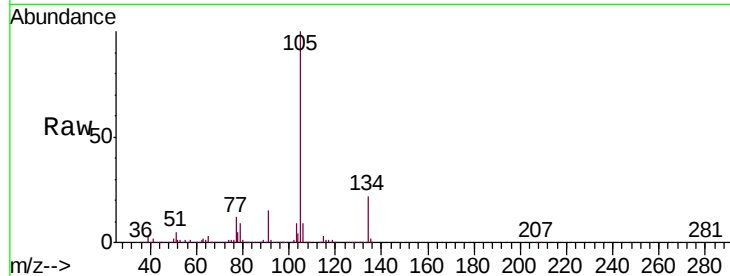
ClientSampleId :

Tot Ion:105 Resp: 563564

Ion Ratio Lower Upper

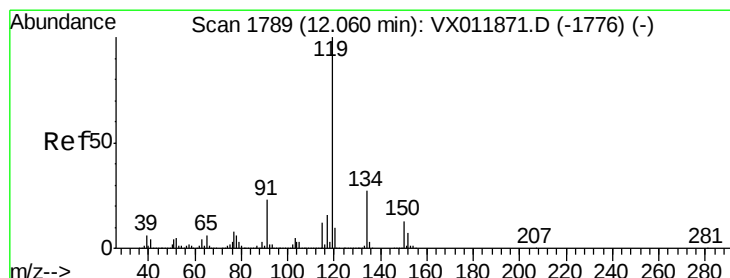
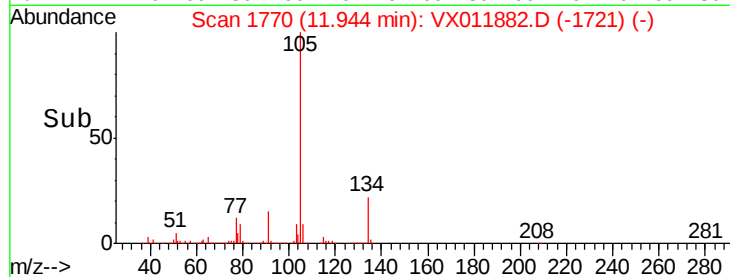
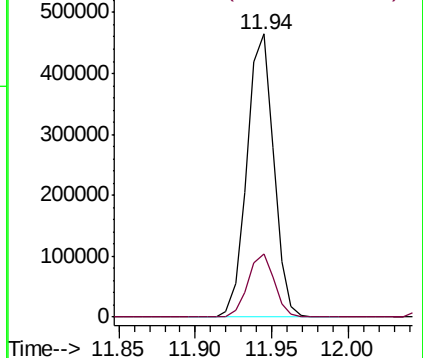
105 100

134 22.0 10.9 32.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 43.851 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX011882.D

Acq: 28 Aug 2019 21:32

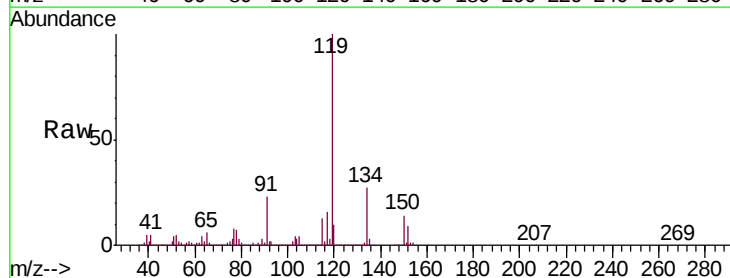
Tgt Ion:119 Resp: 520023

Ion Ratio Lower Upper

119 100

134 27.1 13.5 40.5

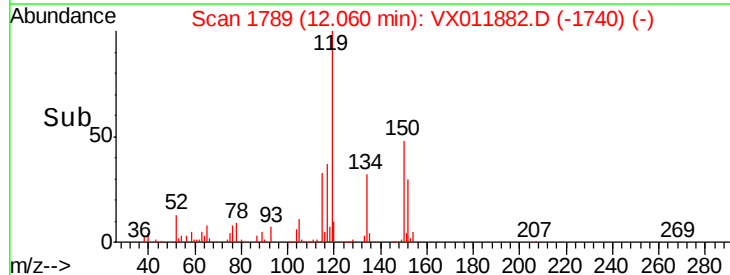
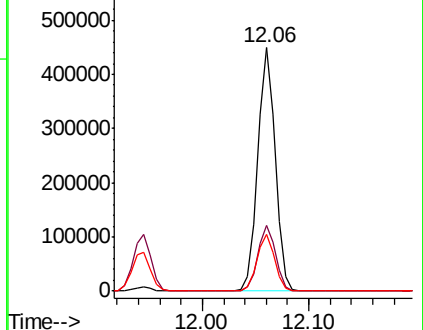
91 23.3 11.7 35.0

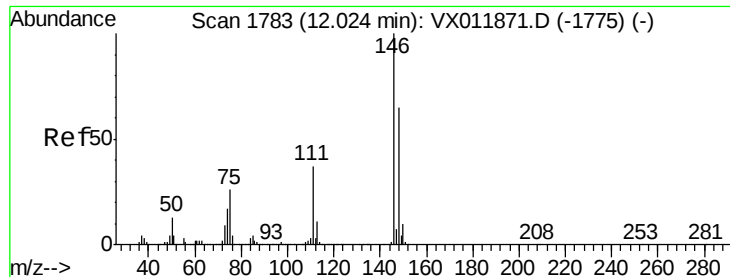


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

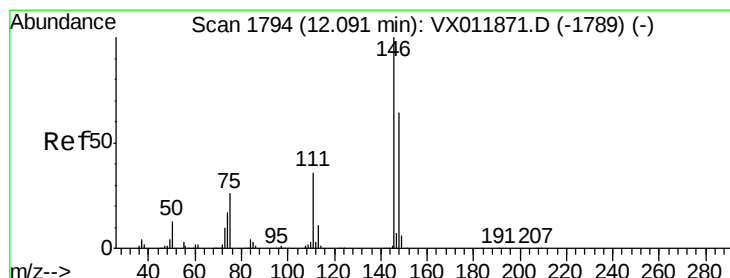
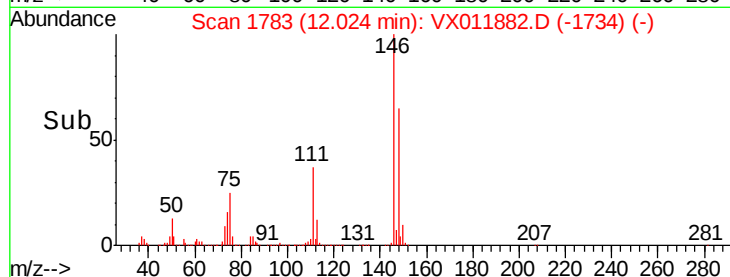
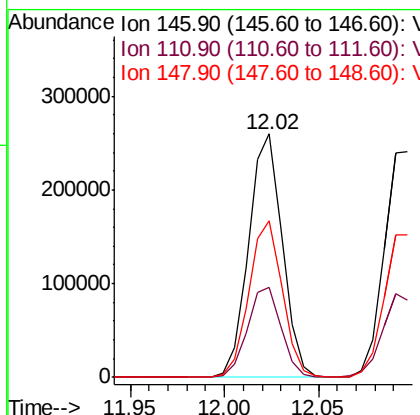
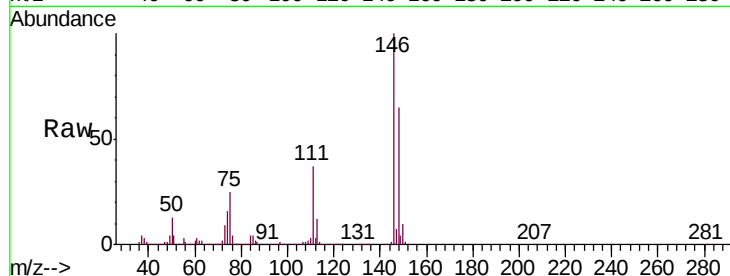




#87
 1,3-Dichlorobenzene
 Concen: 45.041 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX011882.D
 Acq: 28 Aug 2019 21:32

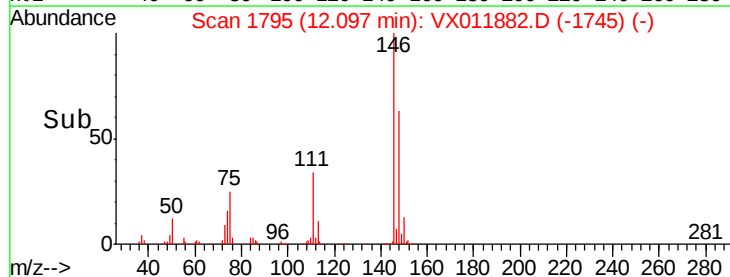
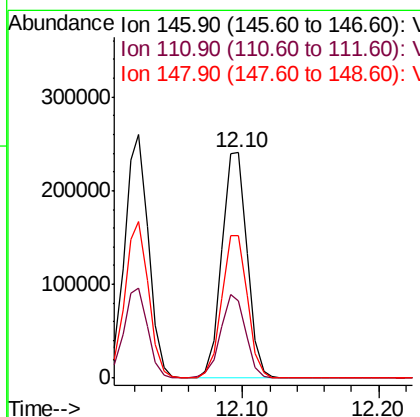
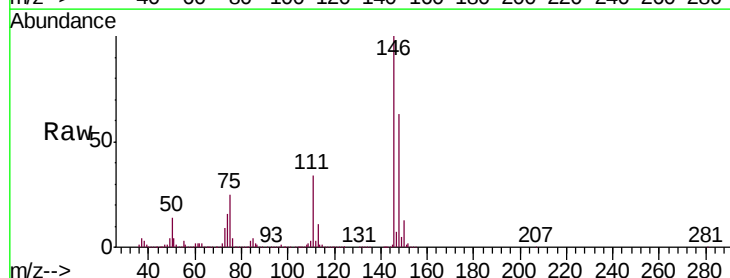
Instrument :
 MSVOA_X
 ClientSampleId :

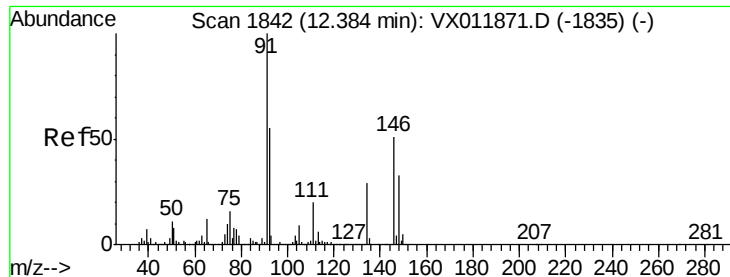
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.8	56.3
148	64.2	32.0	96.2



#88
 1,4-Dichlorobenzene
 Concen: 45.024 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.01 min
 Lab File: VX011882.D
 Acq: 28 Aug 2019 21:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.3	54.8
148	63.9	32.3	96.8

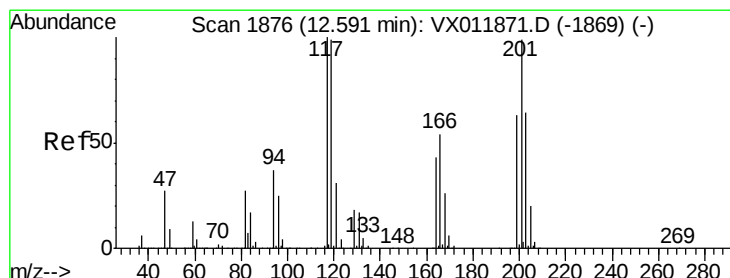
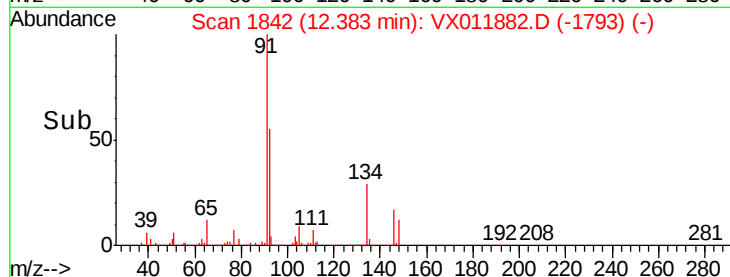
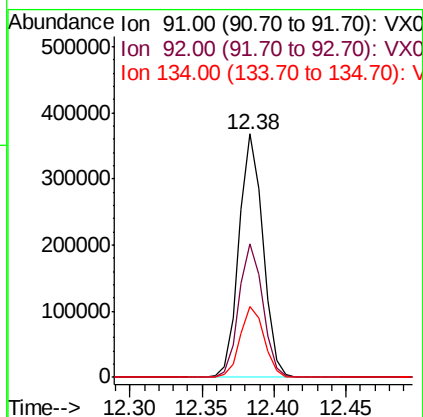
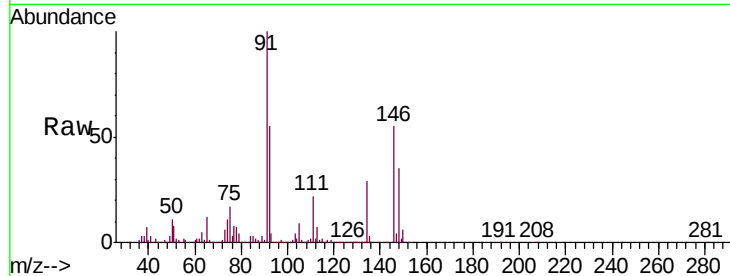




#89
n-Butylbenzene
Concen: 43.287 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX011882.D
Acq: 28 Aug 2019 21:32

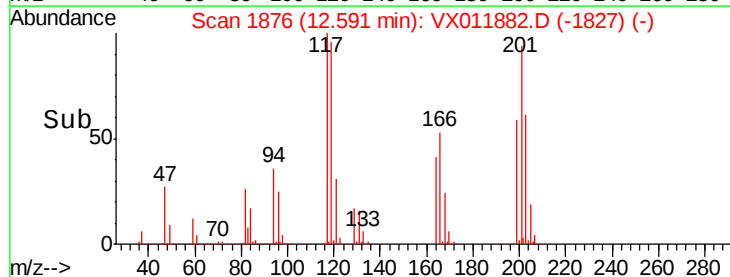
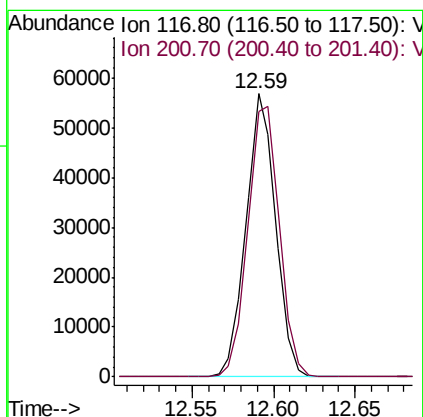
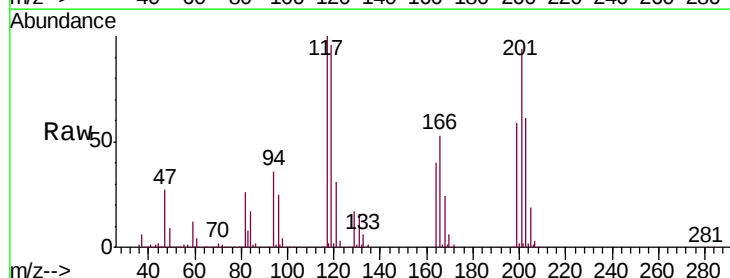
Instrument :
MSVOA_X
ClientSampleId :

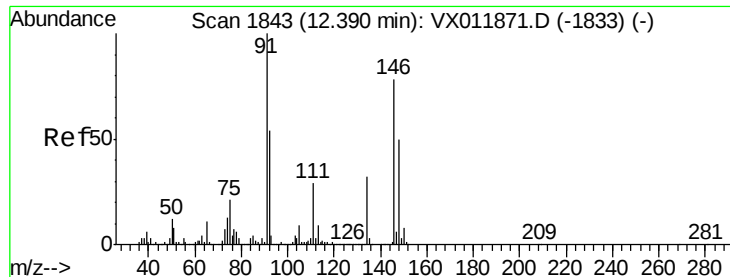
Tot Ion: 91 Resp: 425866
Ion Ratio Lower Upper
91 100
92 54.9 27.6 82.7
134 29.2 14.4 43.4



#90
Hexachloroethane
Concen: 37.792 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.00 min
Lab File: VX011882.D
Acq: 28 Aug 2019 21:32

Tgt Ion: 117 Resp: 71922
Ion Ratio Lower Upper
117 100
201 101.9 51.0 153.1





#91

1,2-Dichlorobenzene

Concen: 46.826 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX011882.D

Acq: 28 Aug 2019 21:32

Instrument :

MSVOA_X

ClientSampleId :

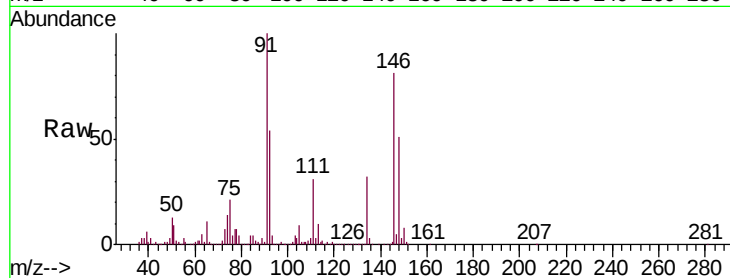
Tot Ion:146 Resp: 284458

Ion Ratio Lower Upper

146 100

111 38.8 19.3 57.9

148 64.0 32.0 96.0

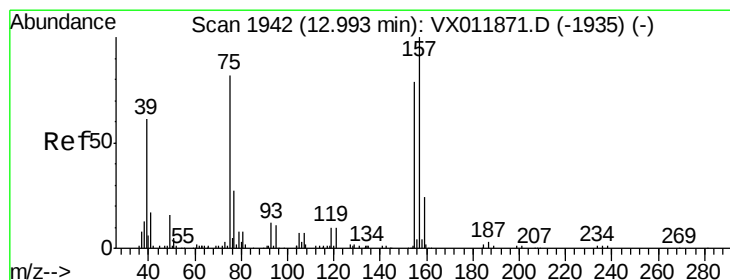
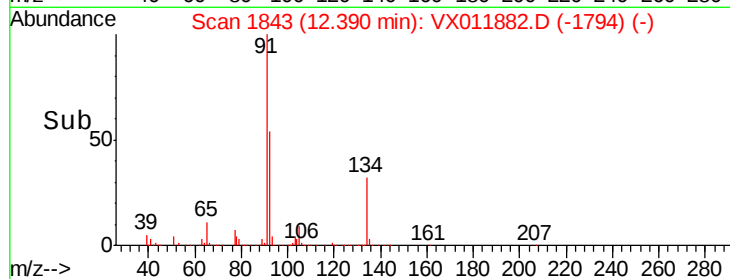
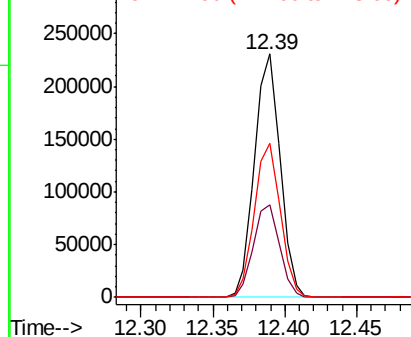


Abundance

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



#92

1,2-Dibromo-3-Chloropropane

Concen: 45.778 ug/l

RT: 12.99 min Scan# 1942

Delta R.T. -0.00 min

Lab File: VX011882.D

Acq: 28 Aug 2019 21:32

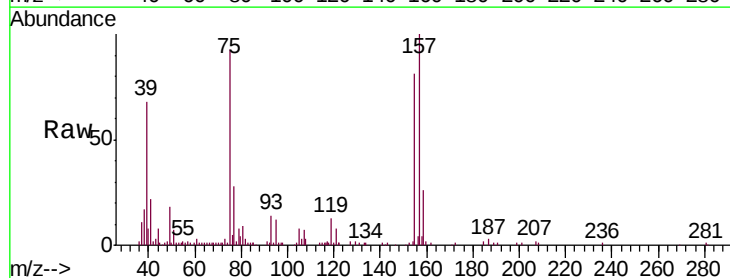
Tgt Ion: 75 Resp: 15330

Ion Ratio Lower Upper

75 100

155 95.0 50.3 150.9

157 122.8 64.7 194.1

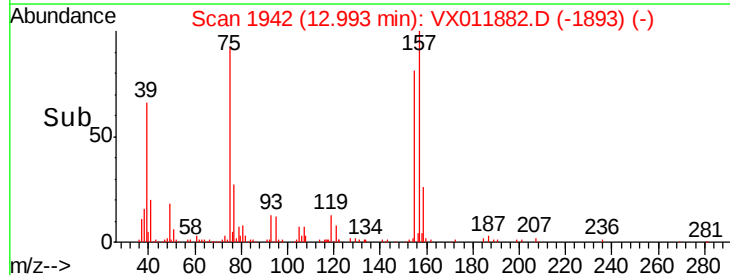
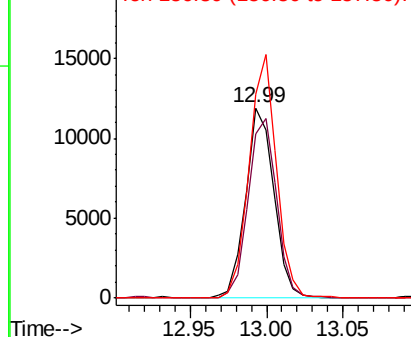


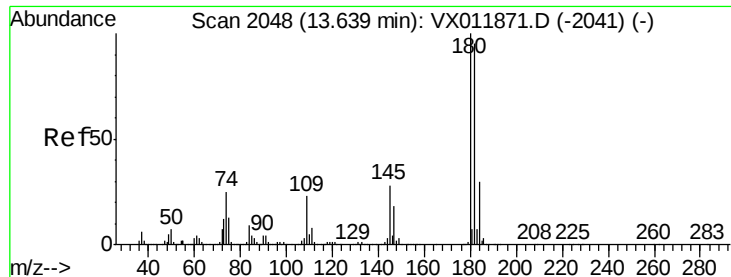
Abundance

Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

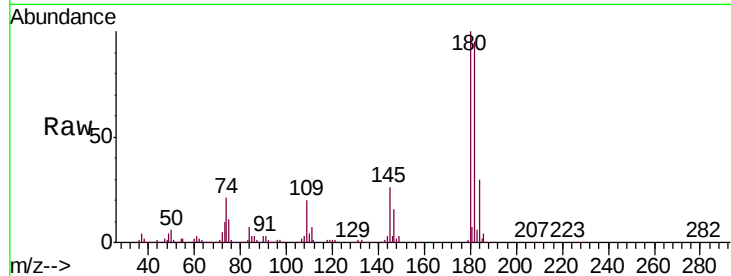




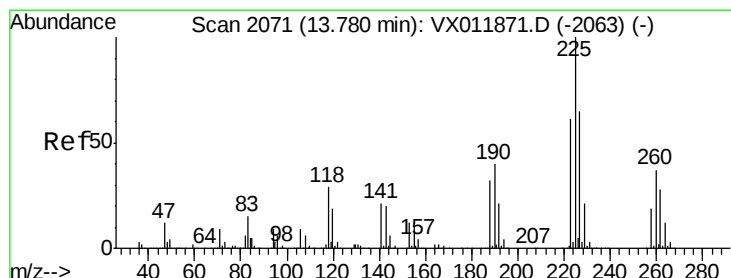
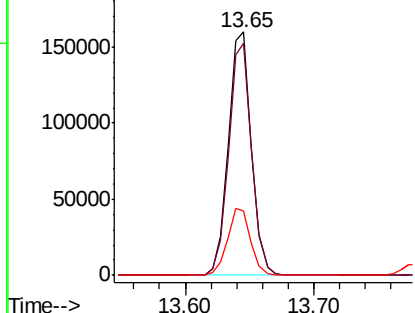
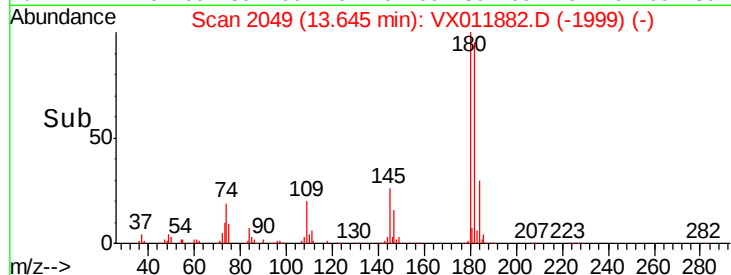
#93
 1,2,4-Trichlorobenzene
 Concen: 47.446 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.01 min
 Lab File: VX011882.D
 Acq: 28 Aug 2019 21:32

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.9	143.7
145	27.7	13.8	41.4

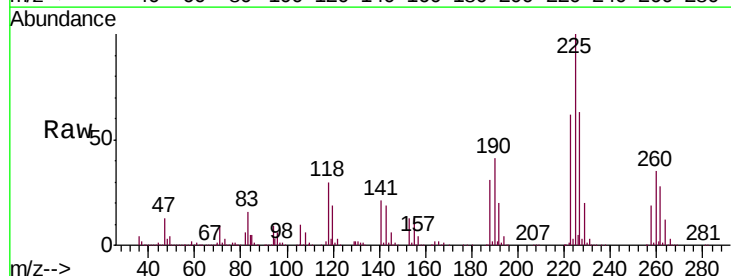


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

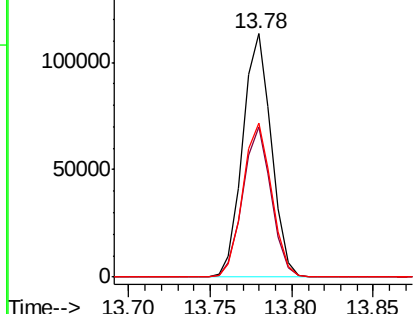
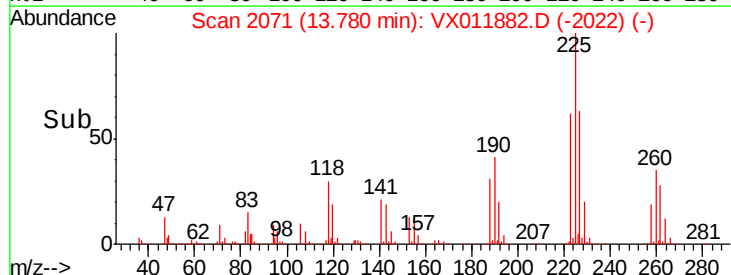


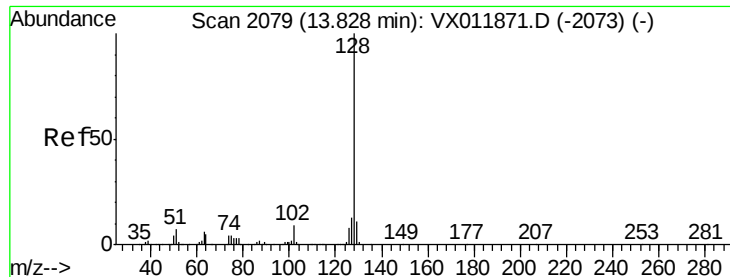
#94
 Hexachlorobutadiene
 Concen: 45.213 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX011882.D
 Acq: 28 Aug 2019 21:32

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.3	30.9	92.8
227	63.8	32.5	97.5



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

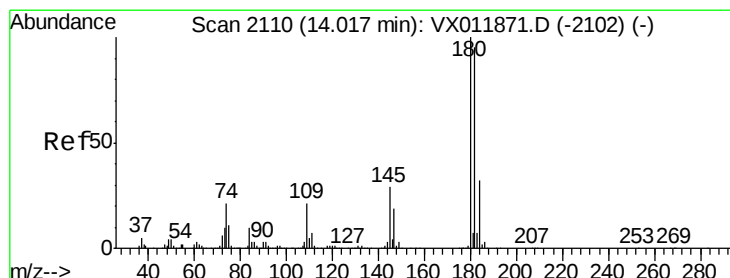
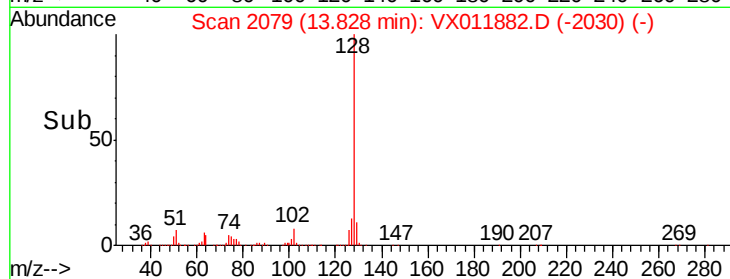
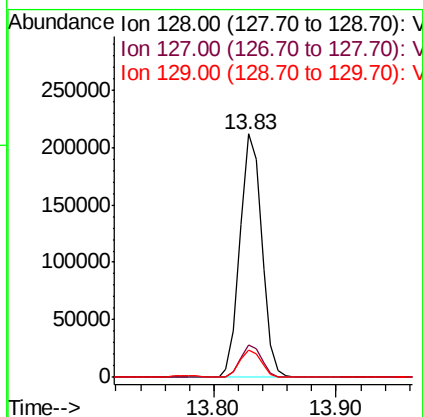
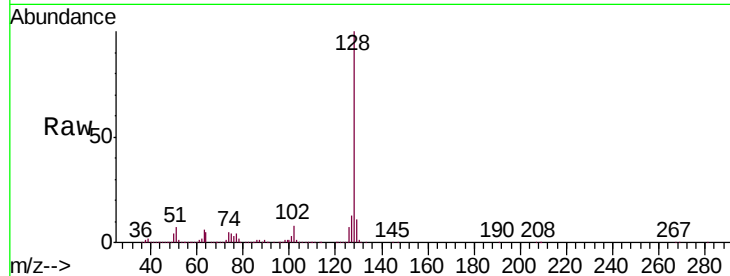




#95
Naphthalene
Concen: 51.514 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. -0.00 min
Lab File: VX011882.D
Acq: 28 Aug 2019 21:32

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	11.3	9.0	13.4



#96
1,2,3-Trichlorobenzene
Concen: 49.605 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX011882.D
Acq: 28 Aug 2019 21:32

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.7	47.9	143.7
145	29.5	14.9	44.7

