

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082819\
 Data File : VX011879.D
 Acq On : 28 Aug 2019 20:13
 Operator : SY/SP
 Sample : MDL02
 Misc : 5.00µ/5.0mL/MSVOA X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 29 11:31:45 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	309184	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	460637	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	424925	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	231334	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	149280	54.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.82%	
35) Dibromofluoromethane	5.49	113	131501	46.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.96%	
50) Toluene-d8	8.71	98	513509	49.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.56%	
62) 4-Bromofluorobenzene	11.13	95	199864	48.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.16%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.19	85	5337	2.784	ug/l	98
3) Chloromethane	1.32	50	8858	3.644	ug/l	97
4) Vinyl Chloride	1.40	62	6064	2.734	ug/l	97
5) Bromomethane	1.64	94	4876	3.750	ug/l	87
6) Chloroethane	1.72	64	3526	2.483	ug/l	95
7) Trichlorofluoromethane	1.92	101	9115	2.500	ug/l	99
8) Diethyl Ether	2.18	74	3756	3.379	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	2.37	101	5891	2.515	ug/l	97
11) Tert butyl alcohol	3.03	59	6093	6.694	ug/l #	87
12) 1,1-Dichloroethene	2.37	96	6270	2.705	ug/l	97
13) Acrolein	2.28	56	3648	35.267	ug/l	97
14) Allyl chloride	2.72	41	10050	2.567	ug/l	97
15) Acrylonitrile	3.14	53	8479	14.353	ug/l	98
16) Acetone	2.43	43	64382	65.395	ug/l	98
17) Carbon Disulfide	2.56	76	16736	2.392	ug/l	97
18) Methyl Acetate	2.76	43	12206	Below Cal		95
19) Methyl tert-butyl Ether	3.18	73	18816	2.987	ug/l	98
20) Methylene Chloride	2.85	84	15793	4.205	ug/l	93
21) trans-1,2-Dichloroethene	3.16	96	6631	2.530	ug/l	94
22) Diisopropyl ether	3.84	45	23119	2.974	ug/l	91
23) Vinyl Acetate	3.81	43	38471	11.246	ug/l	99
24) 1,1-Dichloroethane	3.69	63	12088	2.637	ug/l	93
25) 2-Butanone	4.67	43	13175	16.391	ug/l	94
26) 2,2-Dichloropropane	4.57	77	7952	2.128	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	7646	2.557	ug/l	86
28) Bromochloromethane	5.01	49	6736	3.273	ug/l	98
29) Tetrahydrofuran	5.13	42	8198	17.235	ug/l	95
30) Chloroform	5.20	83	15382	3.207	ug/l	95
31) Cyclohexane	5.57	56	10080	2.526	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	10777	2.499	ug/l	97
36) 1,1-Dichloropropene	5.79	75	9259	2.444	ug/l	98
37) Ethyl Acetate	4.84	43	3928	2.465	ug/l #	95
38) Carbon Tetrachloride	5.77	117	7670	2.077	ug/l	94
39) Methylcyclohexane	7.46	83	10713	2.313	ug/l	97

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Quant Time: Aug 29 11:31:45 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)

40) Benzene	6.13	78	27312	2.499	ug/l	97
41) Methacrylonitrile	5.05	41	3528	3.264	ug/l #	45
42) 1,2-Dichloroethane	6.19	62	9775	2.817	ug/l	85
43) Isopropyl Acetate	6.44	43	8361	2.671	ug/l	95
44) Trichloroethene	7.20	130	9929	2.703	ug/l	98
45) 1,2-Dichloropropane	7.51	63	6798	2.500	ug/l	90
46) Dibromomethane	7.65	93	4556	2.828	ug/l	89
47) Bromodichloromethane	7.90	83	9090	2.399	ug/l	96
48) Methyl methacrylate	7.77	41	4208	2.688	ug/l	96
49) 1,4-Dioxane	7.74	88	2050	121.537	ug/l #	80
51) 4-Methyl-2-Pentanone	8.63	43	36407	28.874	ug/l	100
52) Toluene	8.78	92	18219	2.587	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	6446	1.997	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	9000	2.209	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	5685	2.708	ug/l	96
56) Ethyl methacrylate	9.18	69	5137	2.509	ug/l #	89
57) 1,3-Dichloropropane	9.37	76	8989	2.576	ug/l	94
58) 2-Chloroethyl Vinyl ether	8.31	63	6939	35.994	ug/l	93
59) 2-Hexanone	9.49	43	27851	34.564	ug/l	99
60) Dibromochloromethane	9.58	129	6730	2.409	ug/l	96
61) 1,2-Dibromoethane	9.66	107	5355	2.605	ug/l	92
64) Tetrachloroethene	9.33	164	10836	2.621	ug/l	96
65) Chlorobenzene	10.13	112	21159	2.689	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	6472	2.242	ug/l	96
67) Ethyl Benzene	10.25	91	36712	2.716	ug/l	98
68) m/p-Xylenes	10.35	106	28487	5.536	ug/l	99
69) o-Xylene	10.69	106	14306	2.955	ug/l	96
70) Stvrene	10.71	104	21433	2.677	ug/l	96
71) Bromoform	10.85	173	4384	2.344	ug/l #	95
73) Isopropylbenzene	11.01	105	44390	3.323	ug/l	100
74) N-amyl acetate	6.44	43	8361	2.485	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	11.26	83	5853	2.618	ug/l	94
76) 1,2,3-Trichloropropane	11.29	75	4812	2.708	ug/l	91
77) Bromobenzene	11.25	156	10733	2.882	ug/l	98
78) n-propylbenzene	11.35	91	51126	3.479	ug/l	99
79) 2-Chlorotoluene	11.41	91	26740	2.904	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	36286	3.238	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.13	75	98011	203.044	ug/l #	13
82) 4-Chlorotoluene	11.51	91	33279	3.117	ug/l	99
83) tert-Butylbenzene	11.77	119	38439	3.690	ug/l	96
84) 1,2,4-Trimethylbenzene	11.80	105	40536	3.813	ug/l	100
85) sec-Butylbenzene	11.94	105	52258	4.319	ug/l	98
86) p-Isopropyltoluene	12.06	119	49636	4.454	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	21814	3.262	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	22689	3.503	ug/l	90
89) n-Butylbenzene	12.38	91	45518	4.923	ug/l	99
90) Hexachloroethane	12.59	117	3196	1.787	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	21436	3.755	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	922	2.930	ug/l	90
93) 1,2,4-Trichlorobenzene	13.64	180	21629	5.459	ug/l	100

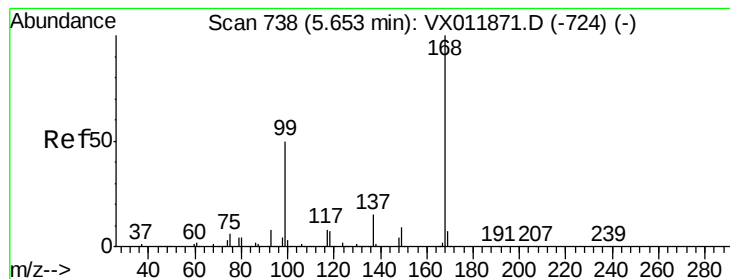
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Quant Title : SW846 8260
QLast Update : Wed Aug 28 15:10:21 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	12637	4.374	ug/l	100
95) Naphthalene	13.83	128	34680	7.280	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	20402	6.346	ug/l	99

(#) = 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: VX011879.D

Acq: 28 Aug 2019 20:13

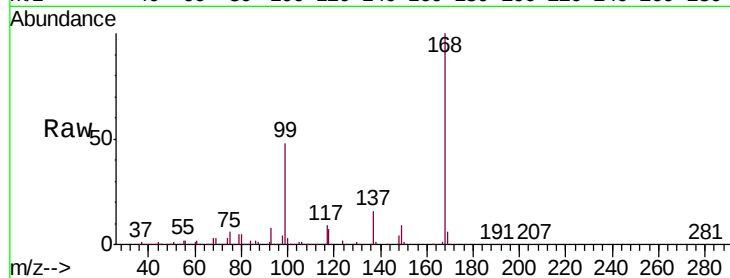
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 309184

Ion Ratio Lower Upper

168 100

99 47.8 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

120000

100000

80000

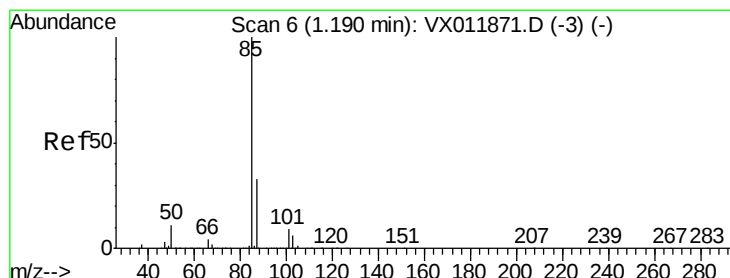
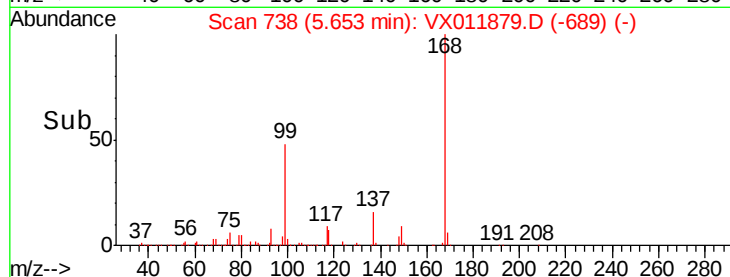
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 2.784 ug/l

RT: 1.19 min Scan# 6

Delta R.T. -0.00 min

Lab File: VX011879.D

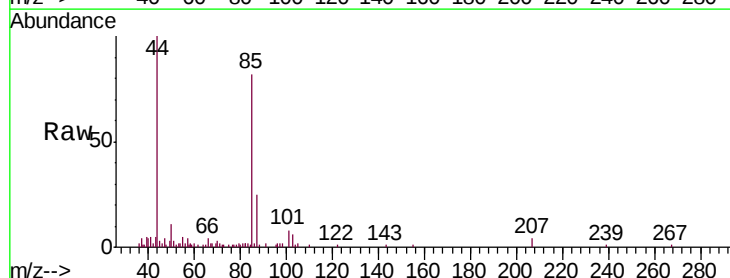
Acq: 28 Aug 2019 20:13

Tgt Ion: 85 Resp: 5337

Ion Ratio Lower Upper

85 100

87 31.7 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

6000

5000

4000

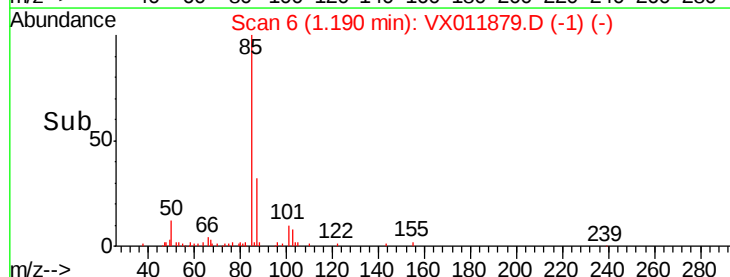
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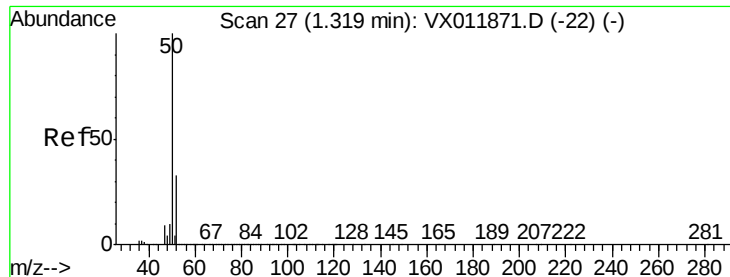
2000

1000

0

Time-->

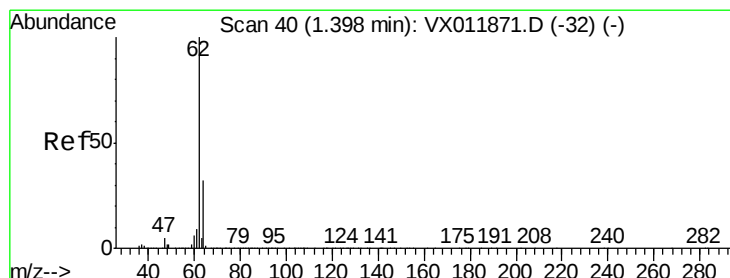
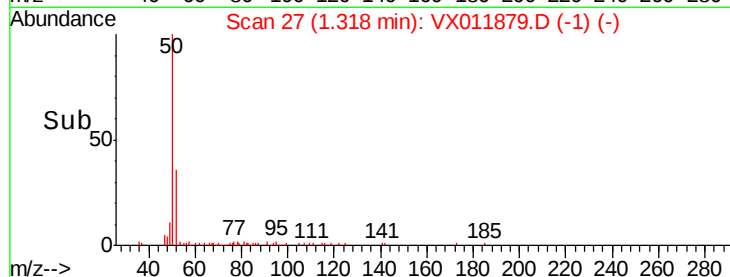
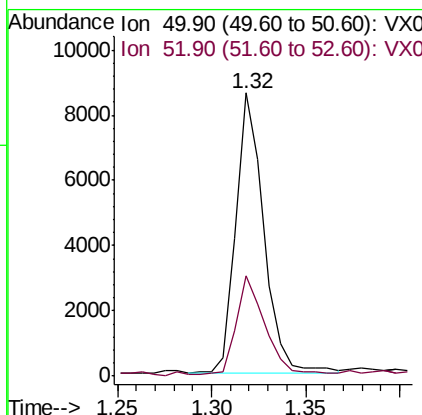
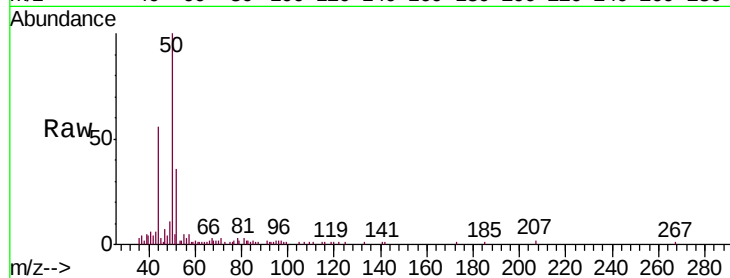




#3
Chloromethane
Concen: 3.644 ug/l
RT: 1.32 min Scan# 27
Delta R.T. -0.00 min
Lab File: VX011879.D
Acq: 28 Aug 2019 20:13

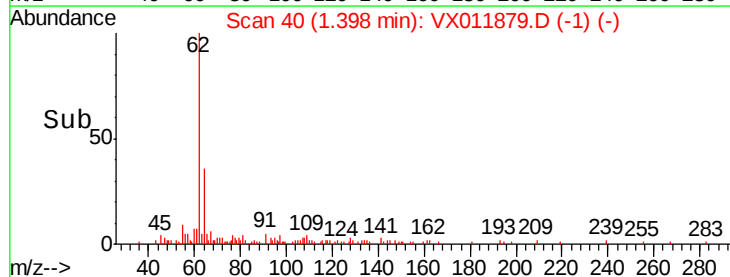
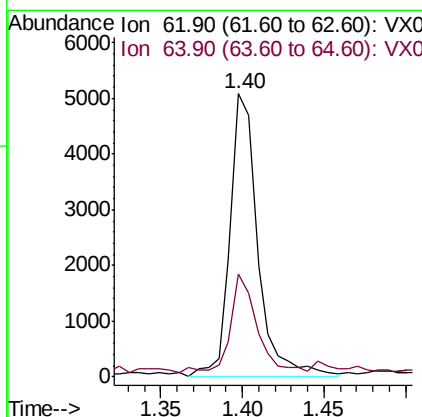
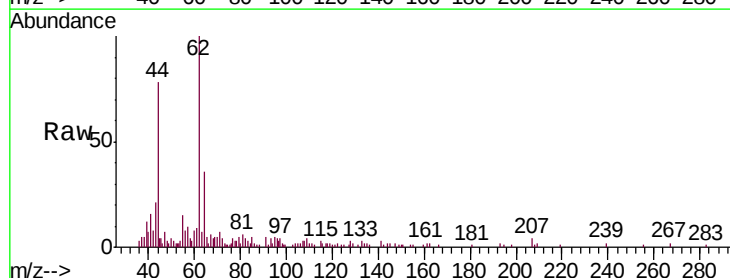
Instrument :
MSVOA_X
ClientSampleId :

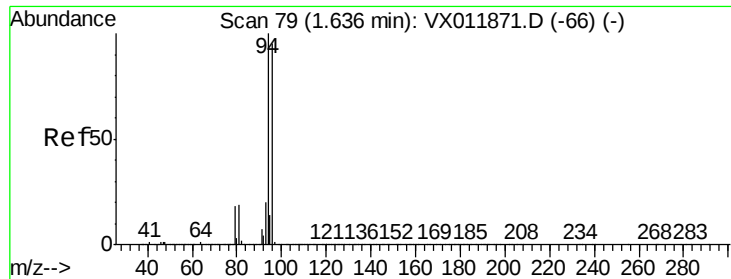
Tot Ion: 50 Resp: 8858
Ion Ratio Lower Upper
50 100
52 35.1 26.5 39.7



#4
Vinyl Chloride
Concen: 2.734 ug/l
RT: 1.40 min Scan# 40
Delta R.T. -0.00 min
Lab File: VX011879.D
Acq: 28 Aug 2019 20:13

Tgt Ion: 62 Resp: 6064
Ion Ratio Lower Upper
62 100
64 33.3 25.3 37.9





#5

Bromomethane

Concen: 3.750 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX011879.D

Acq: 28 Aug 2019 20:13

Instrument :

MSVOA_X

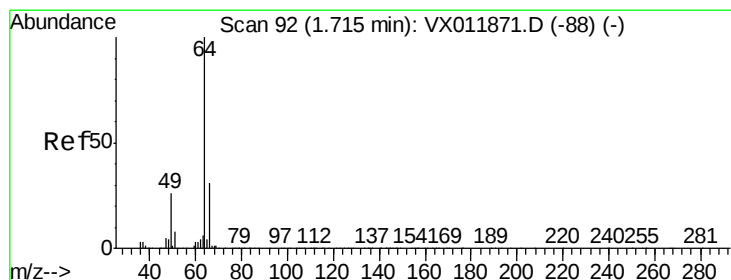
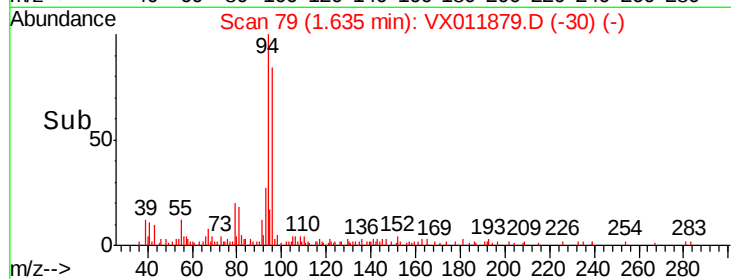
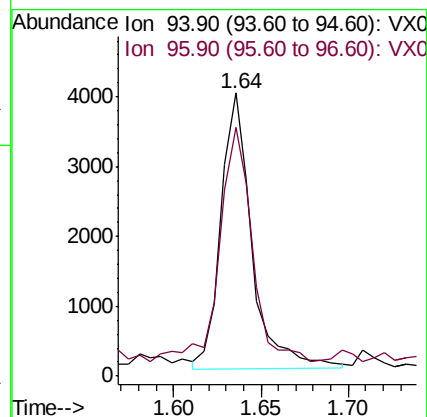
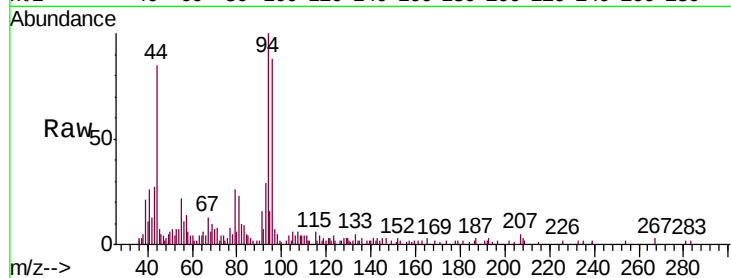
ClientSampleId :

Tot Ion: 94 Resp: 4876

Ion Ratio Lower Upper

94 100

96 82.3 76.0 114.0



#6

Chloroethane

Concen: 2.483 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX011879.D

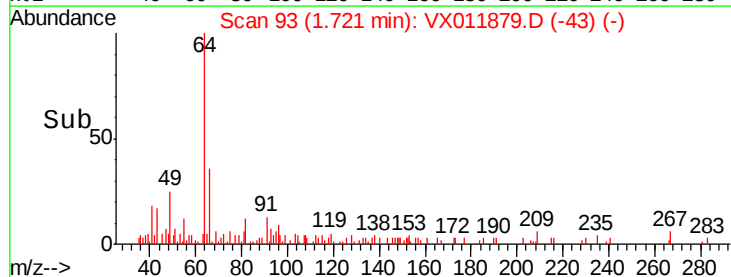
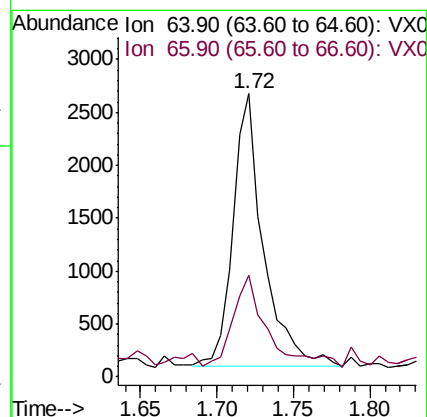
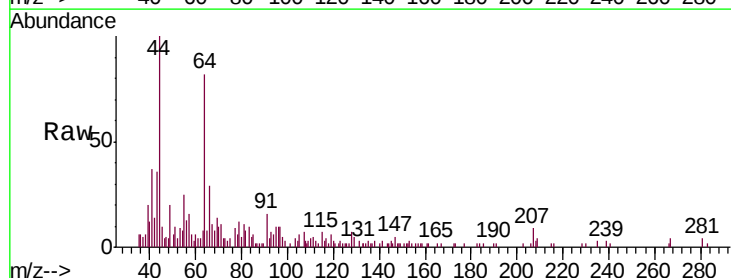
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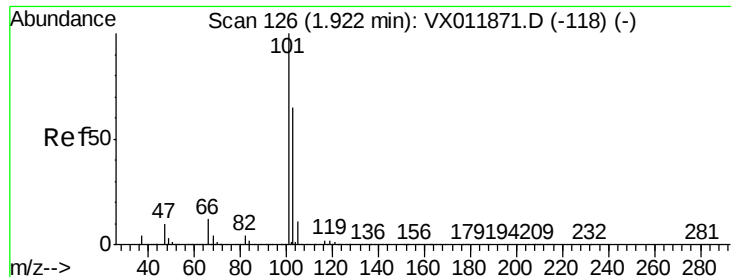
Tgt Ion: 64 Resp: 3526

Ion Ratio Lower Upper

64 100

66 33.8 25.0 37.4



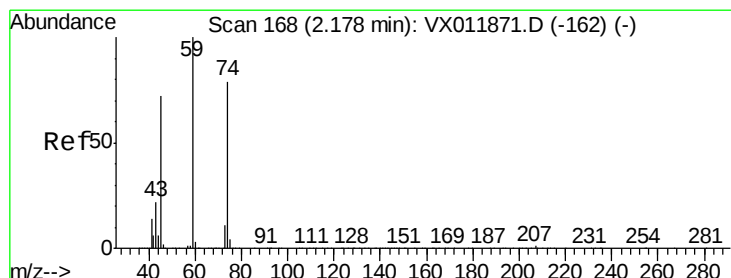
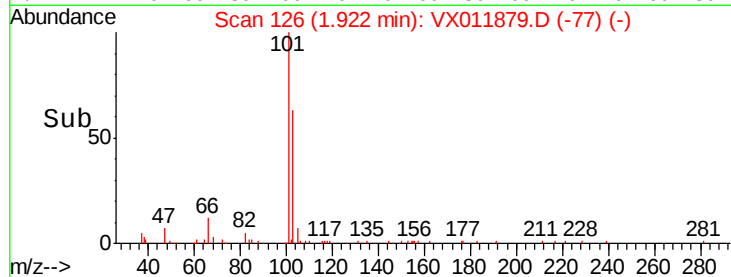
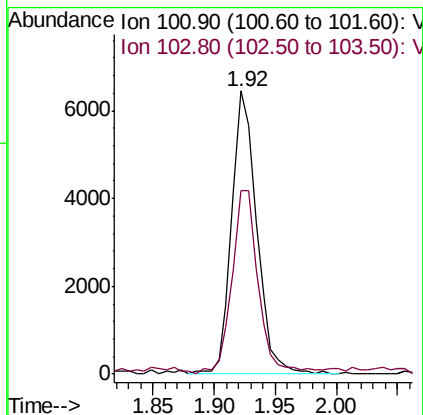
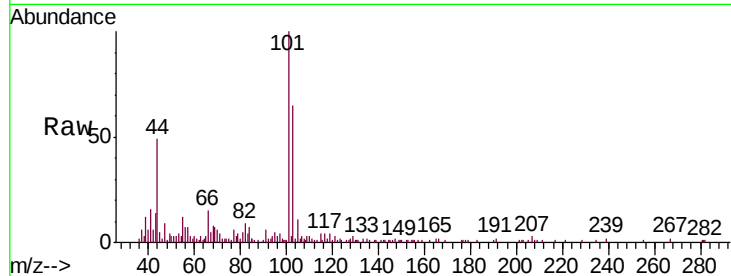


#7

Trichlorofluoromethane
Concen: 2.500 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.00 min
Lab File: VX011879.D
Acq: 28 Aug 2019 20:13

Instrument :
MSVOA_X
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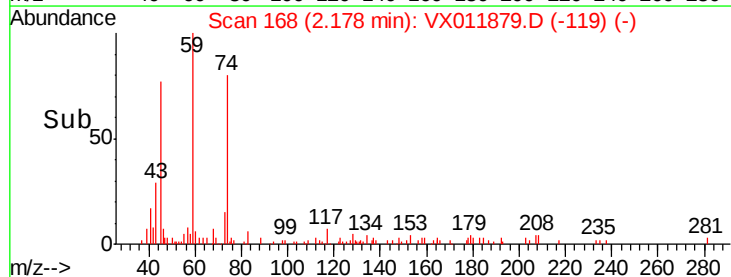
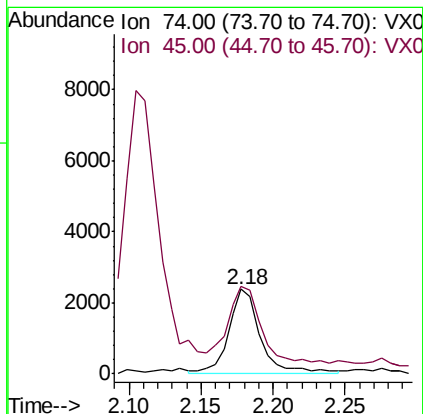
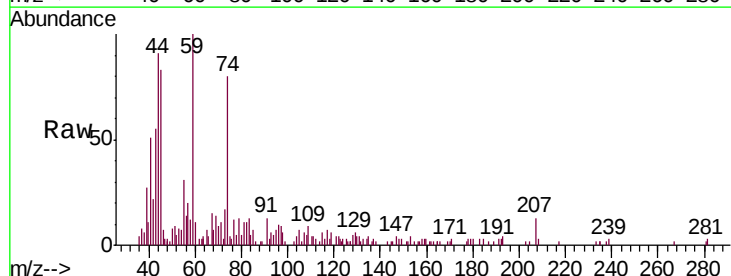
Tot Ion:101 Resp: 9115
Ion Ratio Lower Upper
101 100
103 64.1 51.8 77.8

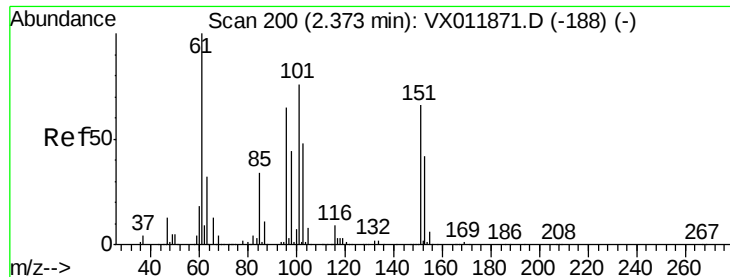


#8

Diethyl Ether
Concen: 3.379 ug/l
RT: 2.18 min Scan# 168
Delta R.T. -0.00 min
Lab File: VX011879.D
Acq: 28 Aug 2019 20:13

Tgt Ion: 74 Resp: 3756
Ion Ratio Lower Upper
74 100
45 107.2 47.1 141.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.515 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.00 min

Lab File: VX011879.D

Acq: 28 Aug 2019 20:13

Instrument :

MSVOA_X

ClientSampleId :

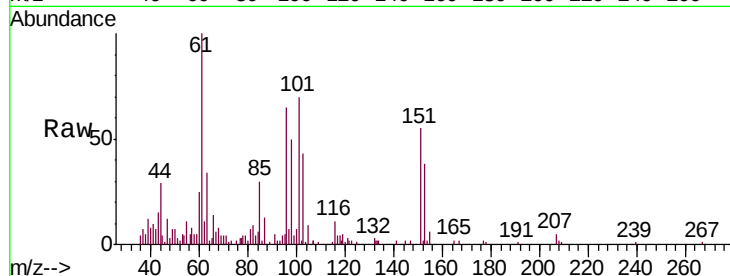
Tot Ion:101 Resp: 5891

Ion Ratio Lower Upper

101 100

85 45.1 34.5 51.7

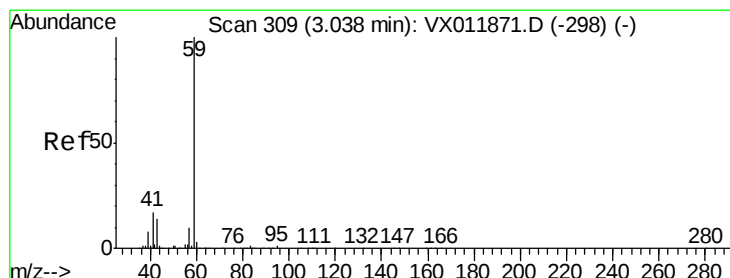
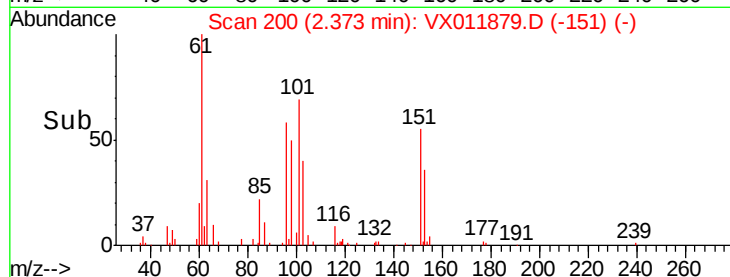
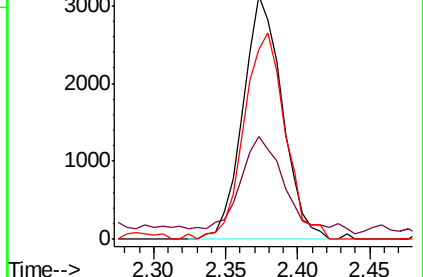
151 89.3 69.4 104.2



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



#11

Tert butyl alcohol

Concen: 6.694 ug/l

RT: 3.03 min Scan# 308

Delta R.T. -0.01 min

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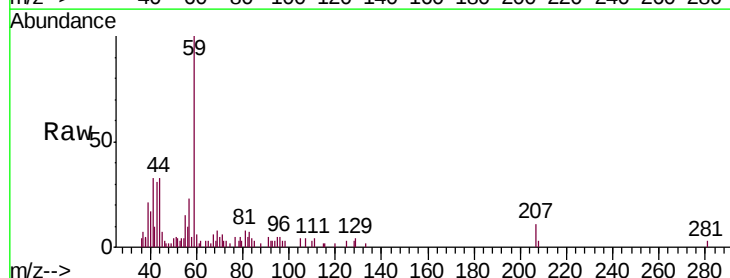
Acq: 28 Aug 2019 20:13

Tgt Ion: 59 Resp: 6093

Ion Ratio Lower Upper

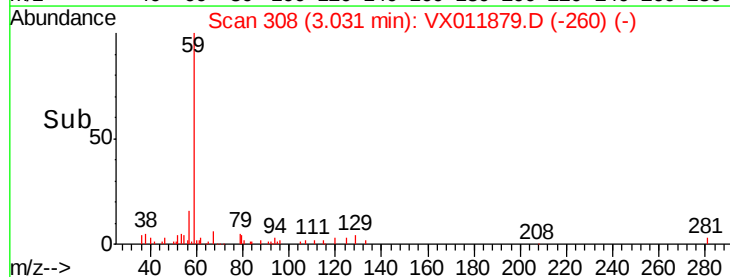
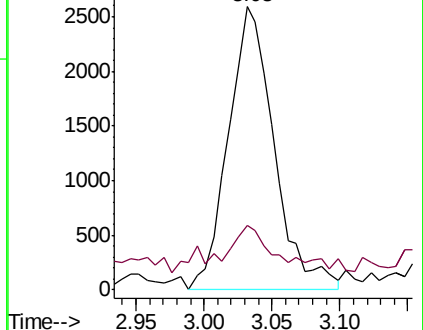
59 100

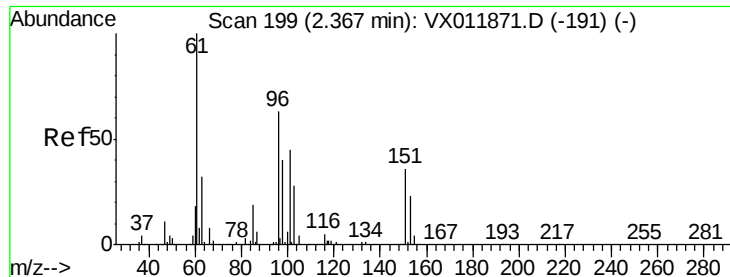
57 15.1 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#12

1,1-Dichloroethene

Concen: 2.705 ug/l

RT: 2.37 min Scan# 199

Delta R.T. -0.00 min

Lab File: VX011879.D

Acq: 28 Aug 2019 20:13

Instrument :
MSVOA_X
ClientSampled :

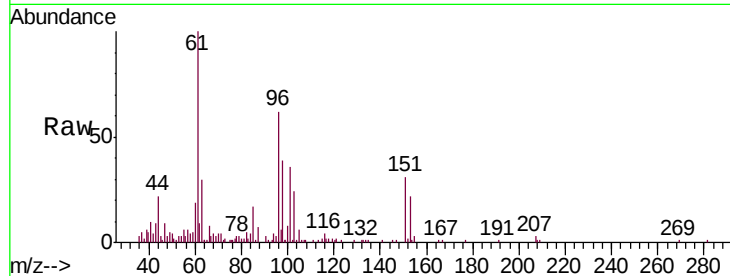
Tot Ion: 96 Resp: 6270

Ion Ratio Lower Upper

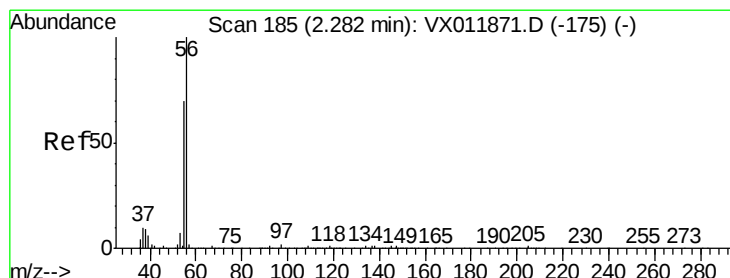
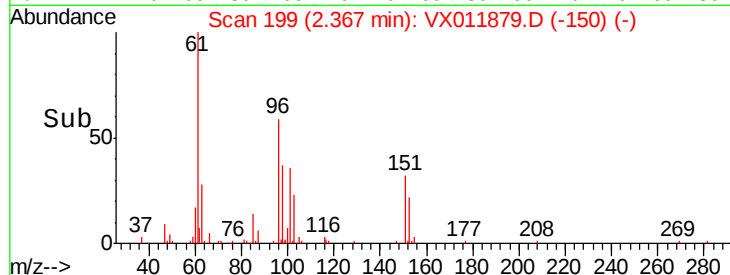
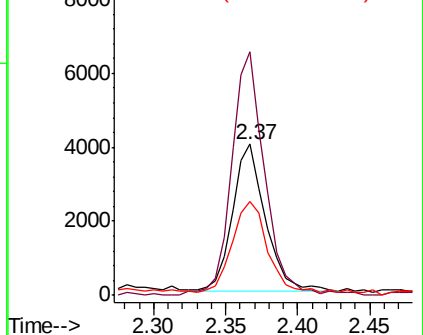
96 100

61 163.8 128.0 192.0

98 61.8 51.4 77.2



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



#13

Acrolein

Concen: 35.267 ug/l

RT: 2.28 min Scan# 185

Delta R.T. -0.00 min

Lab File: VX011879.D

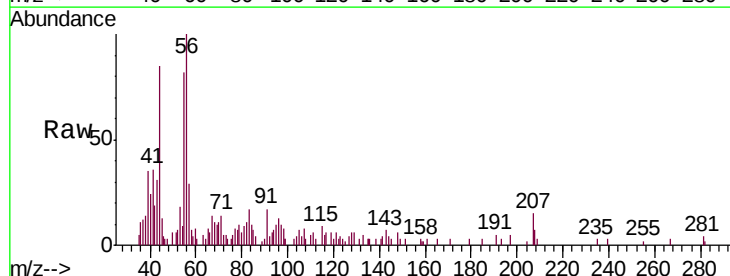
Acq: 28 Aug 2019 20:13

Tgt Ion: 56 Resp: 3648

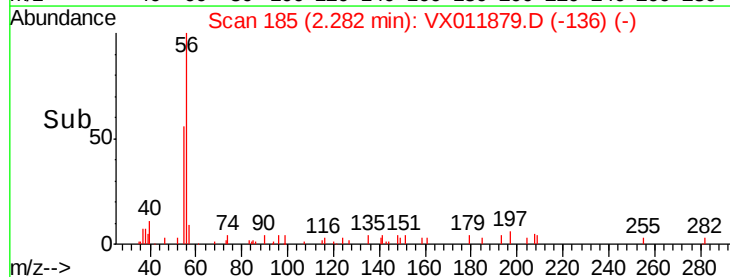
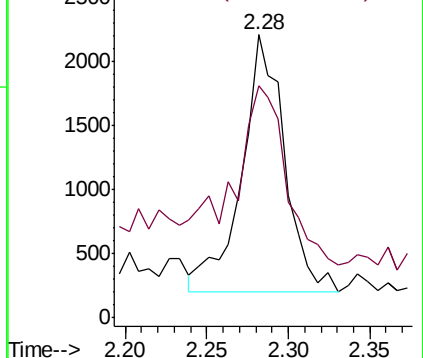
Ion Ratio Lower Upper

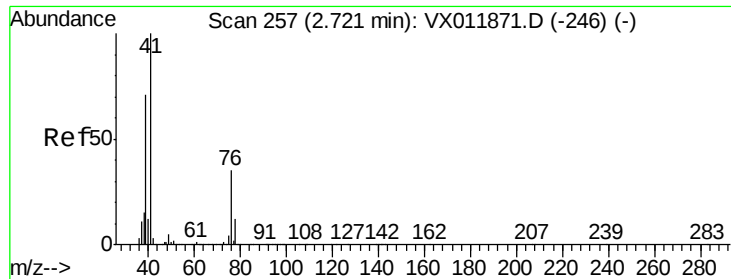
56 100

55 73.1 60.2 90.4



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 55.00 (54.70 to 55.70): VX0





#14

Allvl chloride

Concen: 2.567 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.00 min

Lab File: VX011879.D

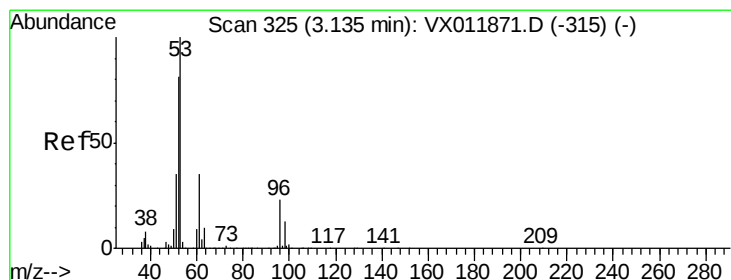
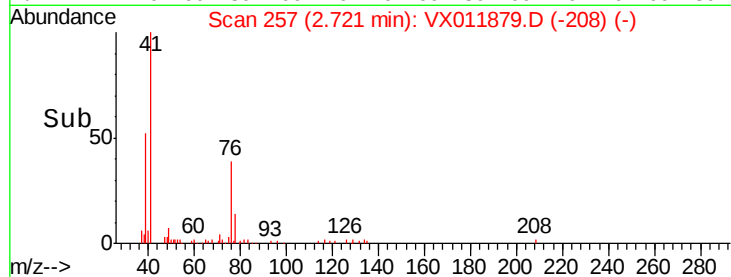
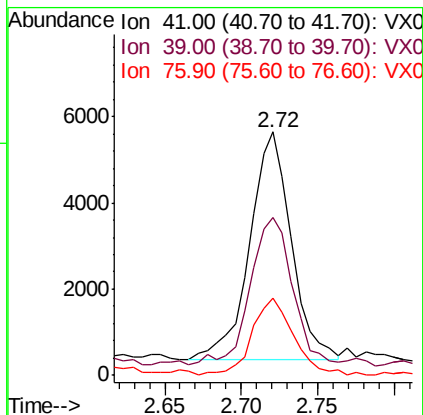
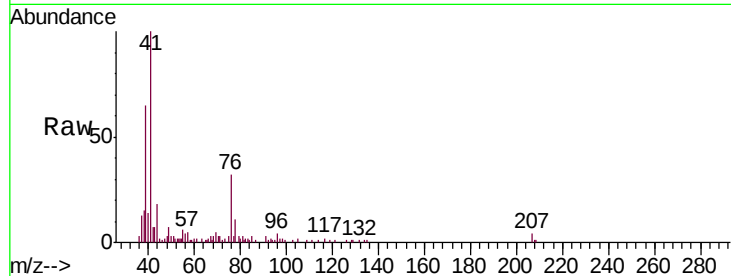
Acq: 28 Aug 2019 20:13

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:	41	Resp:	10050
Ion	Ratio	Lower	Upper
41	100		
39	64.9	54.6	82.0
76	33.9	27.1	40.7



#15

Acrylonitrile

Concen: 14.353 ug/l

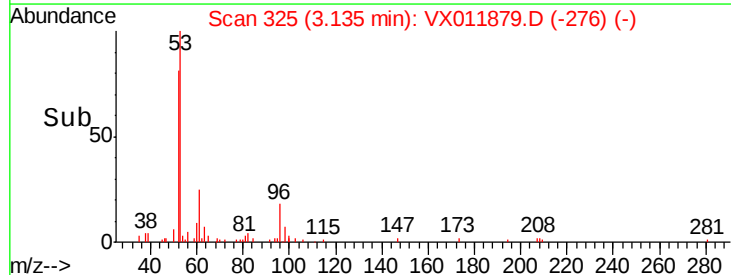
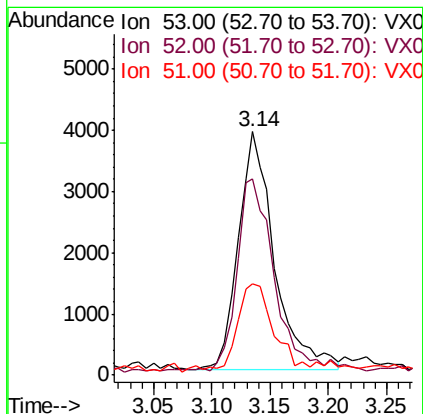
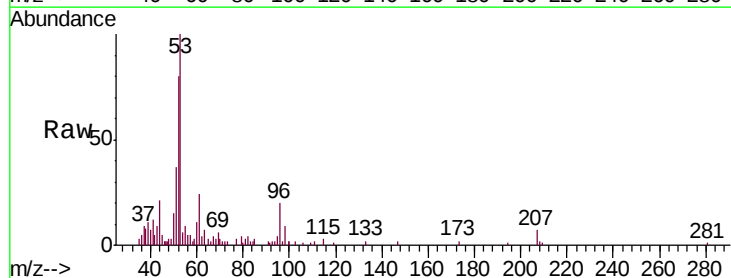
RT: 3.14 min Scan# 325

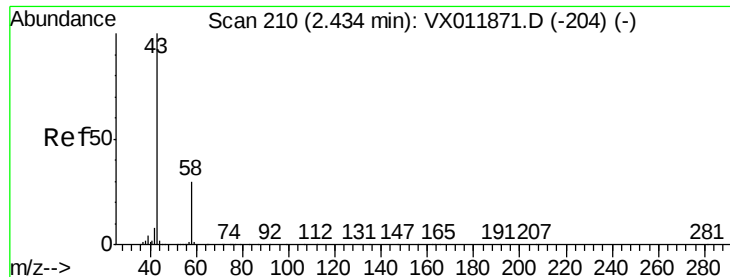
Delta R.T. -0.00 min

Lab File: VX011879.D

Acq: 28 Aug 2019 20:13

Tgt Ion:	53	Resp:	8479
Ion	Ratio	Lower	Upper
53	100		
52	83.5	65.3	97.9
51	34.8	29.1	43.7





#16

Acetone

Concen: 65.395 ug/l

RT: 2.43 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX011879.D

Acq: 28 Aug 2019 20:13

Instrument :

MSVOA_X

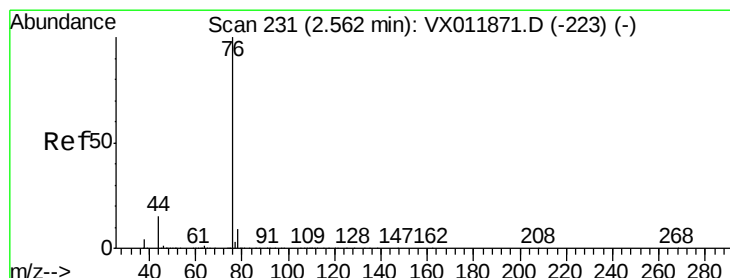
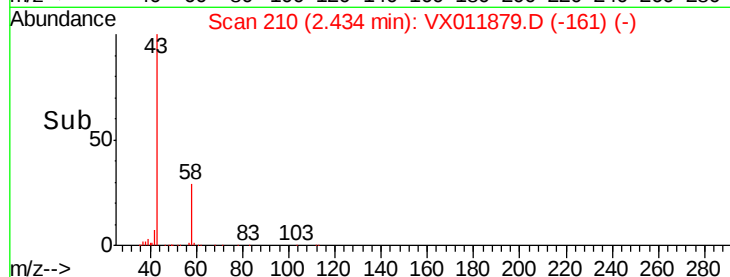
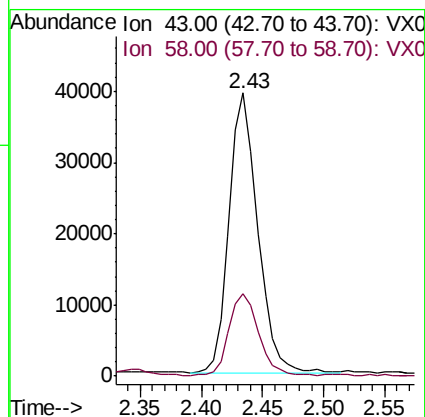
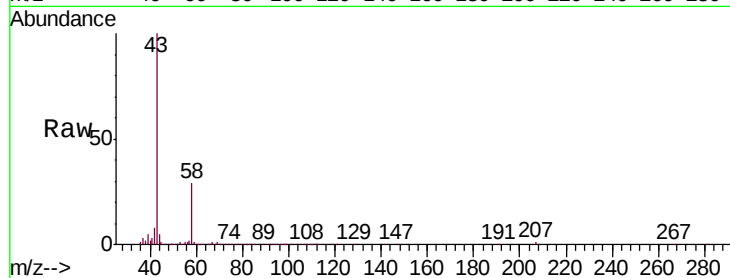
ClientSampleId :

Tot Ion: 43 Resp: 64382

Ion Ratio Lower Upper

43 100

58 28.9 24.0 36.0



#17

Carbon Disulfide

Concen: 2.392 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.00 min

Lab File: VX011879.D

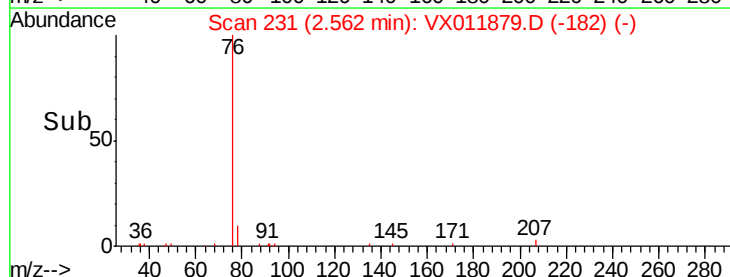
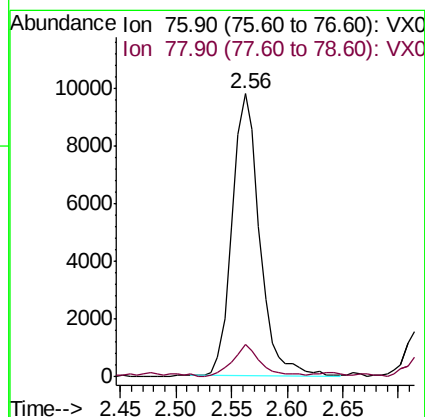
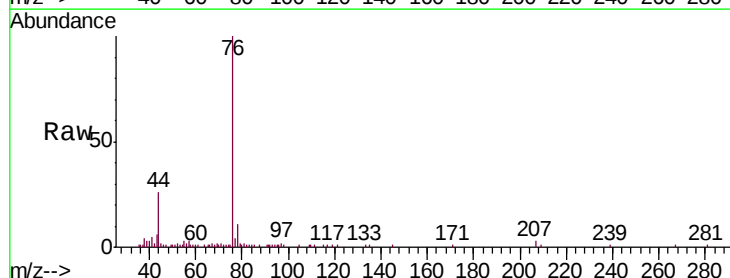
Acq: 28 Aug 2019 20:13

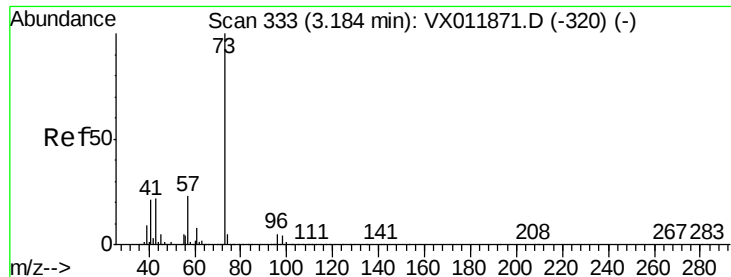
Tgt Ion: 76 Resp: 16736

Ion Ratio Lower Upper

76 100

78 10.5 7.4 11.2



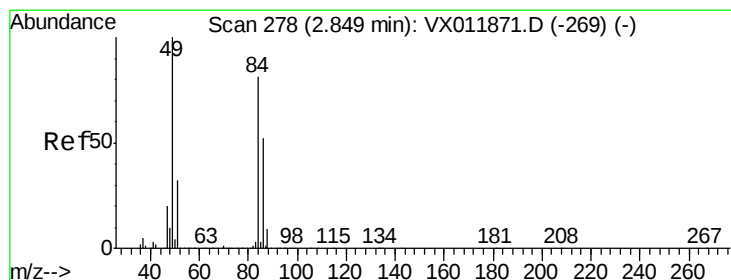
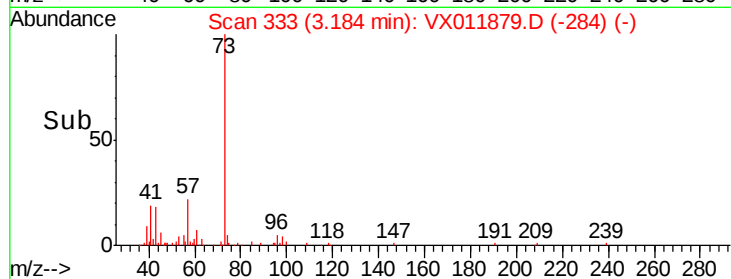
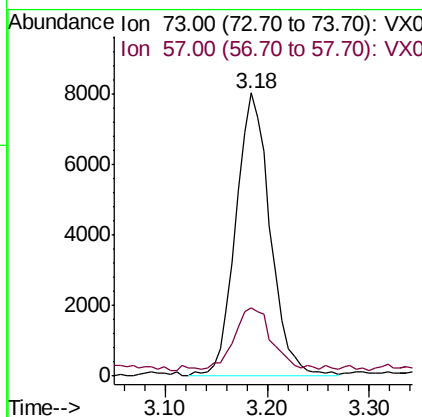
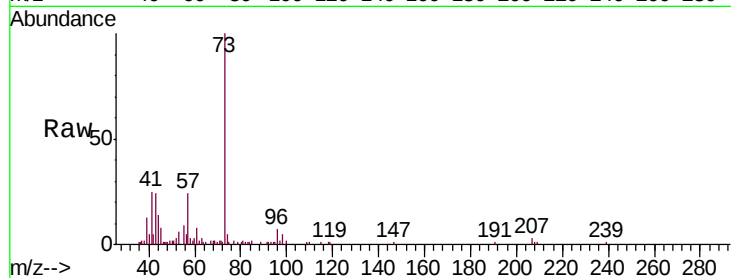


#19

Methyl tert-butyl Ether
 Concen: 2.987 ug/l
 RT: 3.18 min Scan# 333
 Delta R.T. -0.00 min
 Lab File: VX011879.D
 Acq: 28 Aug 2019 20:13

Instrument :
 MSVOA_X
 ClientSampleId :

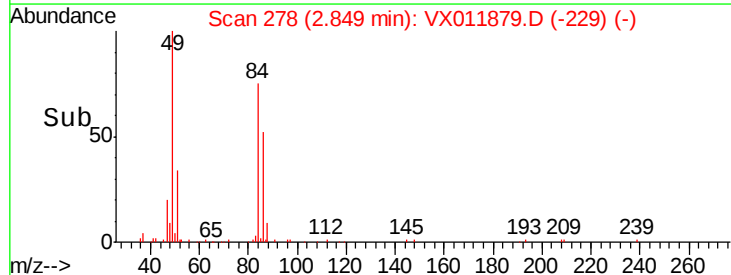
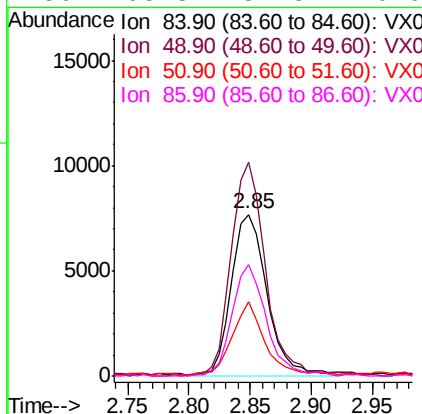
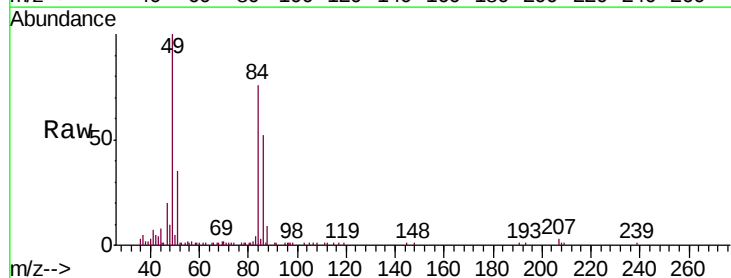
Tot Ion: 73 Resp: 18816
 Ion Ratio Lower Upper
 73 100
 57 21.7 18.1 27.1

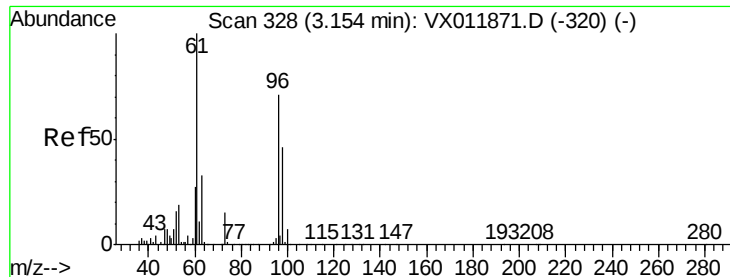


#20

Methylene Chloride
 Concen: 4.205 ug/l
 RT: 2.85 min Scan# 278
 Delta R.T. 0.00 min
 Lab File: VX011879.D
 Acq: 28 Aug 2019 20:13

Tgt Ion: 84 Resp: 15793
 Ion Ratio Lower Upper
 84 100
 49 131.4 98.9 148.3
 51 44.8 31.4 47.2
 86 68.8 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 2.530 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.01 min

Lab File: VX011879.D

Acq: 28 Aug 2019 20:13

Instrument :

MSVOA_X

ClientSampleId :

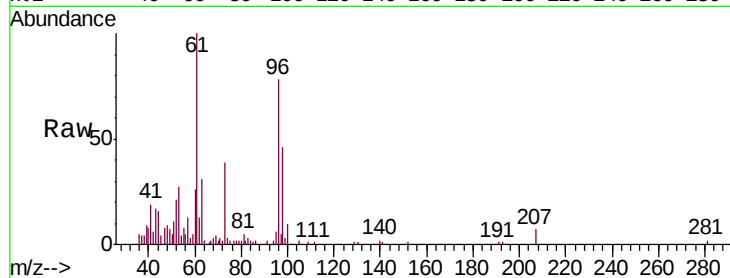
Tot Ion: 96 Resp: 6631

Ion Ratio Lower Upper

96 100

61 132.1 111.9 167.9

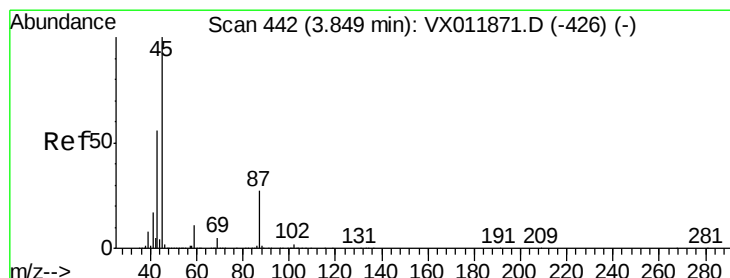
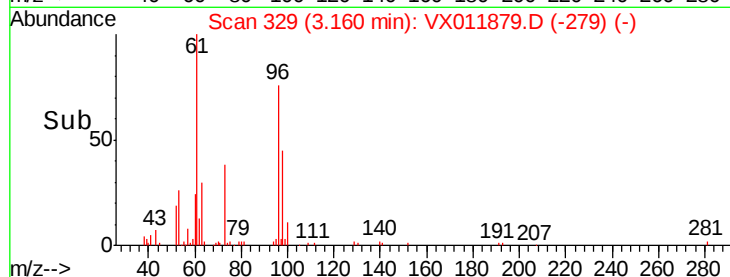
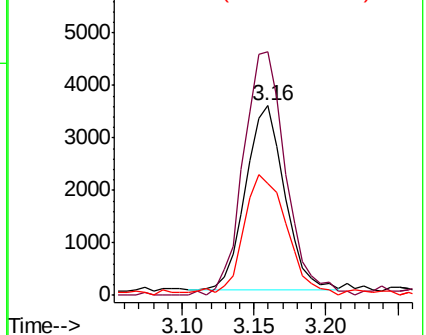
98 60.7 51.7 77.5



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: 2.974 ug/l

RT: 3.84 min Scan# 441

Delta R.T. -0.01 min

Lab File: VX011879.D

Acq: 28 Aug 2019 20:13

Tgt Ion: 45 Resp: 23119

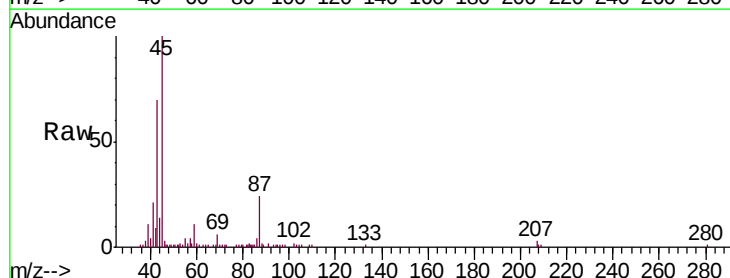
Ion Ratio Lower Upper

45 100

43 64.9 44.7 67.1

87 24.2 21.5 32.3

59 10.2 9.1 13.7

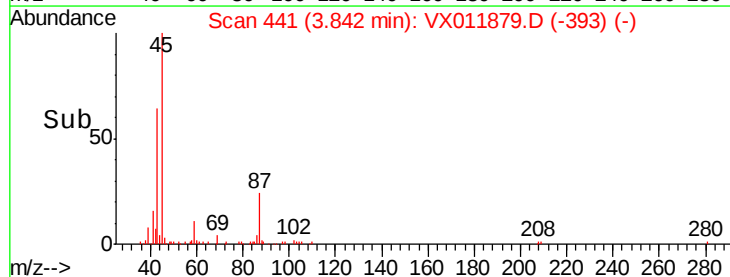
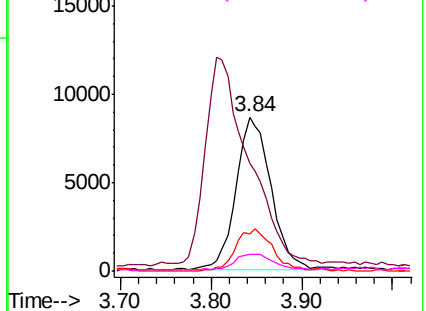


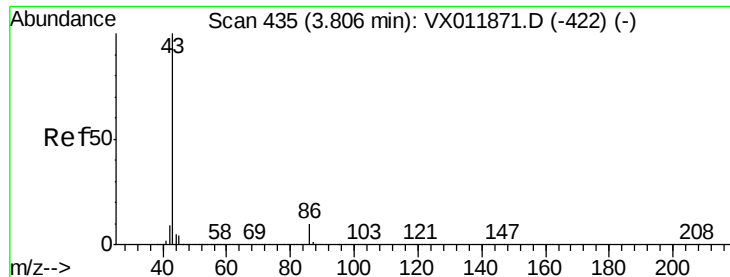
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 11.246 ug/l

RT: 3.81 min Scan# 435

Delta R.T. -0.00 min

Lab File: VX011879.D

Acq: 28 Aug 2019 20:13

Instrument :

MSVOA_X

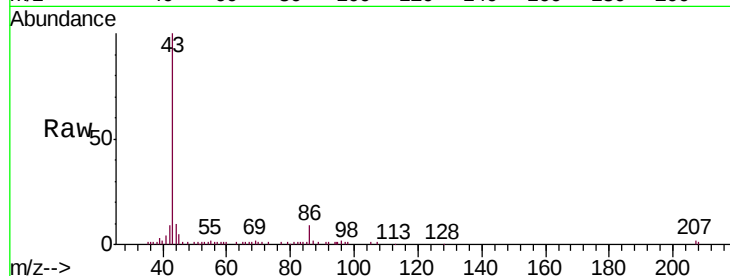
ClientSampled :

Tot Ion: 43 Resp: 38471

Ion Ratio Lower Upper

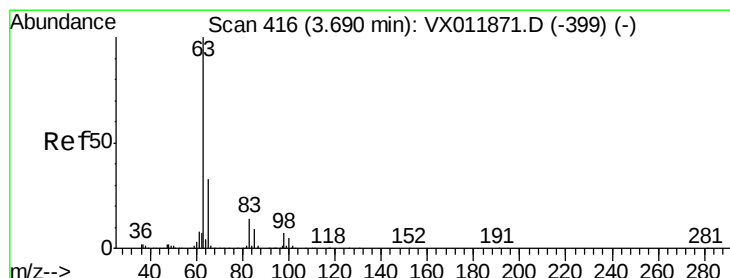
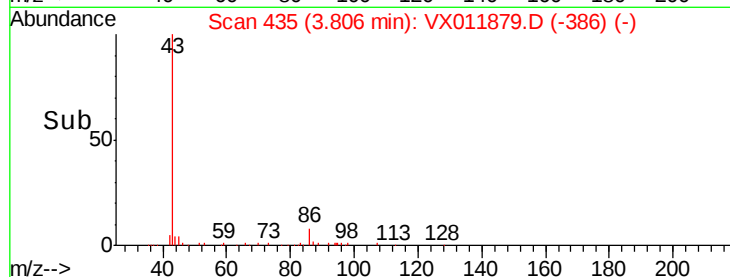
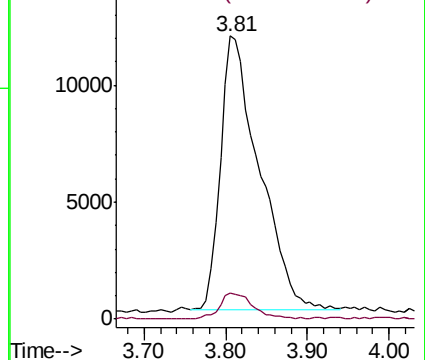
43 100

86 9.7 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: 2.637 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.00 min

Lab File: VX011879.D

Acq: 28 Aug 2019 20:13

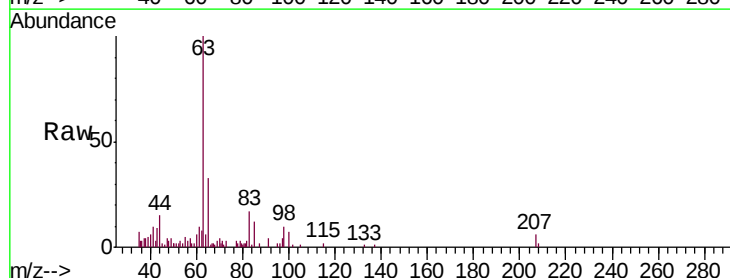
Tgt Ion: 63 Resp: 12088

Ion Ratio Lower Upper

63 100

98 10.2 3.7 11.1

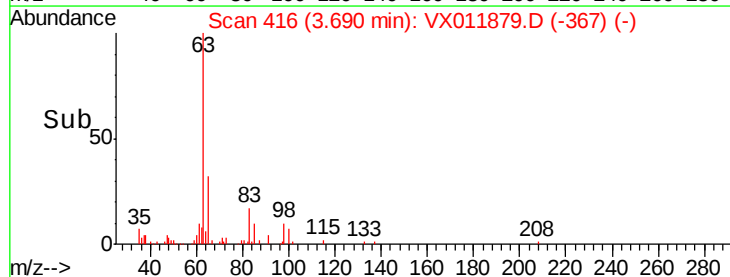
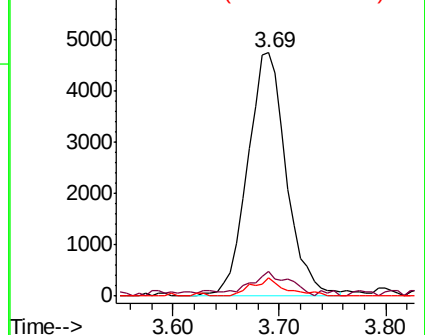
100 7.4 2.5 7.6

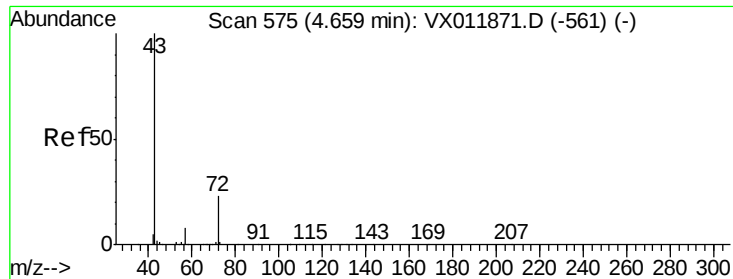


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 16.391 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.01 min

Lab File: VX011879.D

Acq: 28 Aug 2019 20:13

Instrument :

MSVOA_X

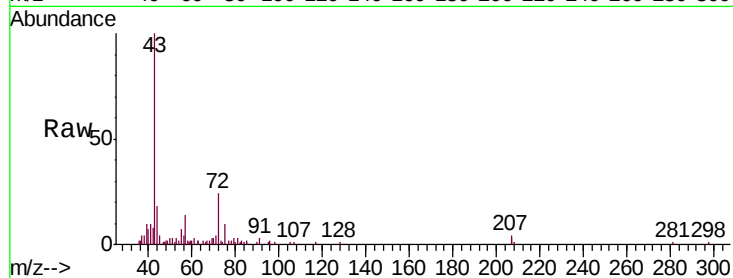
ClientSampled :

Tot Ion: 43 Resp: 13175

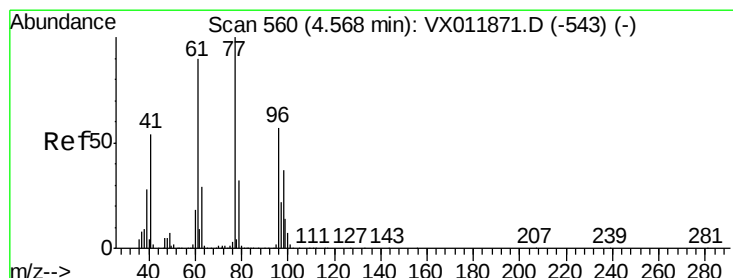
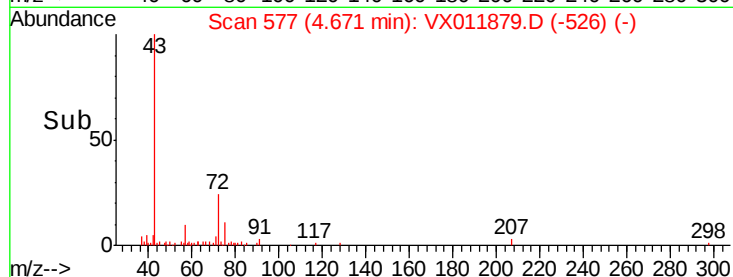
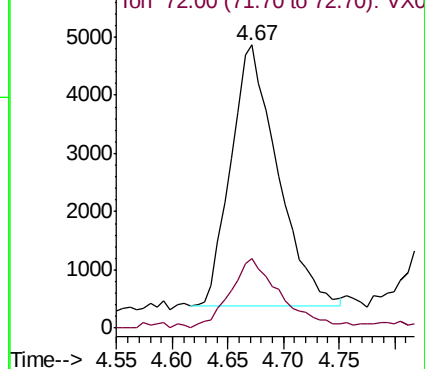
Ion Ratio Lower Upper

43 100

72 26.4 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VX0



#26

2,2-Dichloropropane

Concen: 2.128 ug/l

RT: 4.57 min Scan# 561

Delta R.T. 0.01 min

Lab File: VX011879.D

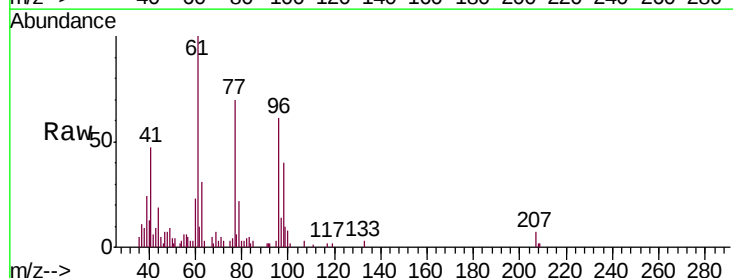
Acq: 28 Aug 2019 20:13

Tgt Ion: 77 Resp: 7952

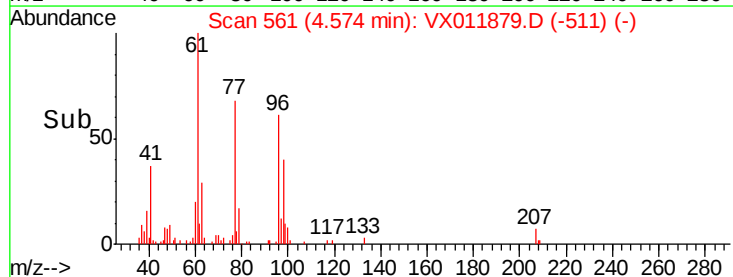
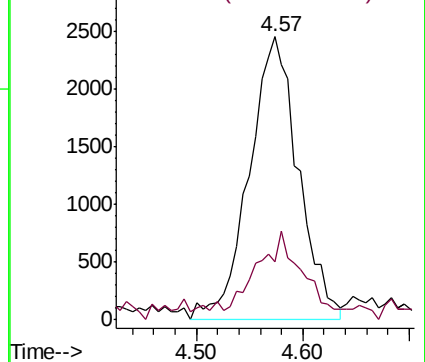
Ion Ratio Lower Upper

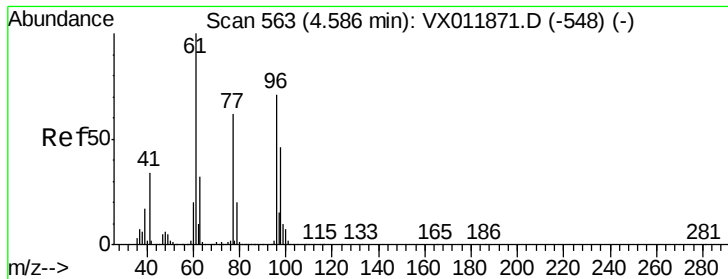
77 100

97 24.6 11.6 34.7



Abundance Ion 76.90 (76.60 to 77.60): VX0



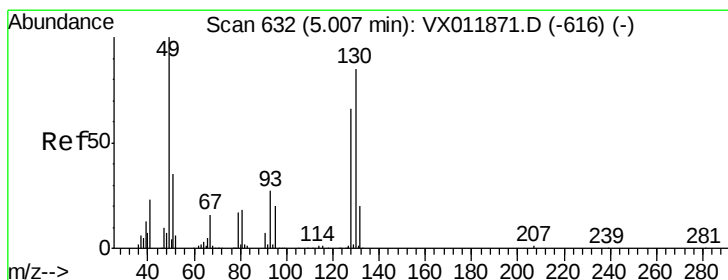
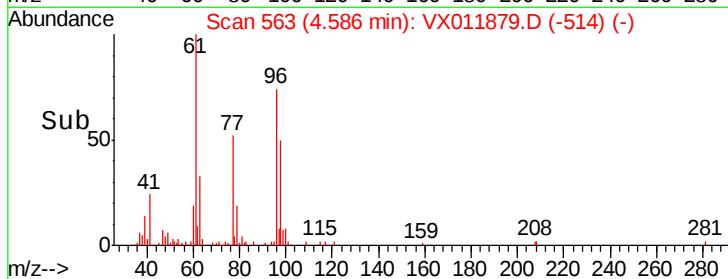
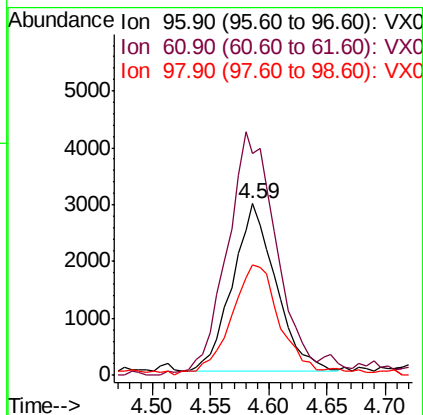
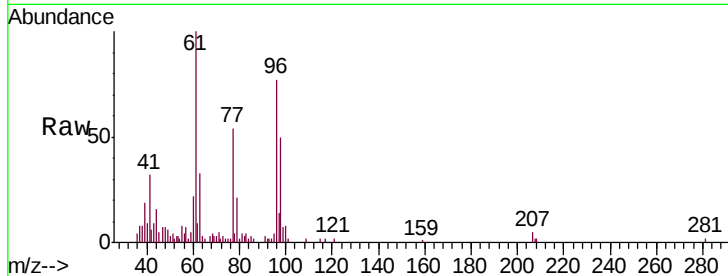


#27

cis-1,2-Dichloroethene
Concen: 2.557 ug/l
RT: 4.59 min Scan# 563
Delta R.T. -0.00 min
Lab File: VX011879.D
Acq: 28 Aug 2019 20:13

Instrument :
MSVOA_X
ClientSampleId :

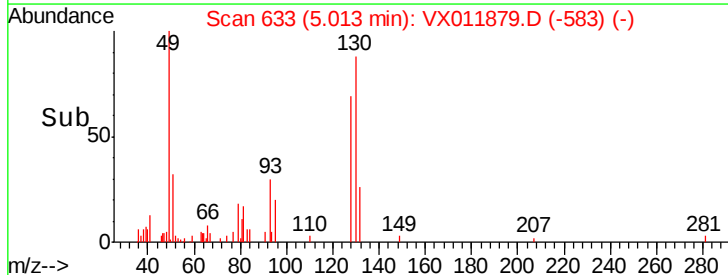
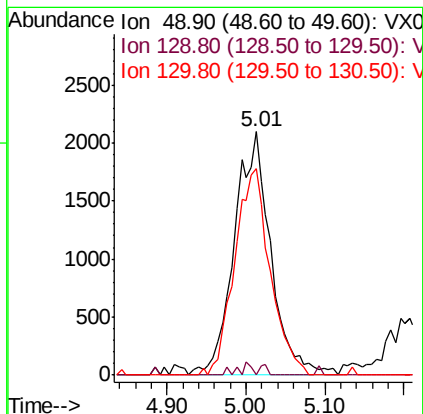
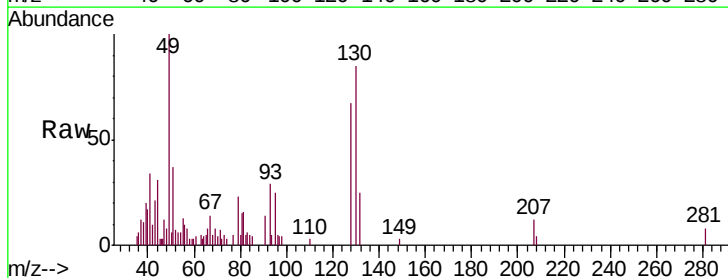
Tot Ion	Ratio	Lower	Upper
96	100		
61	163.7	0.0	288.8
98	73.8	0.0	129.6

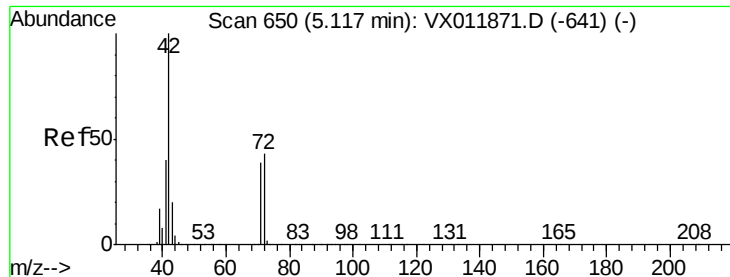


#28

Bromochloromethane
Concen: 3.273 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.01 min
Lab File: VX011879.D
Acq: 28 Aug 2019 20:13

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	4.6
130	82.6	67.3	100.9

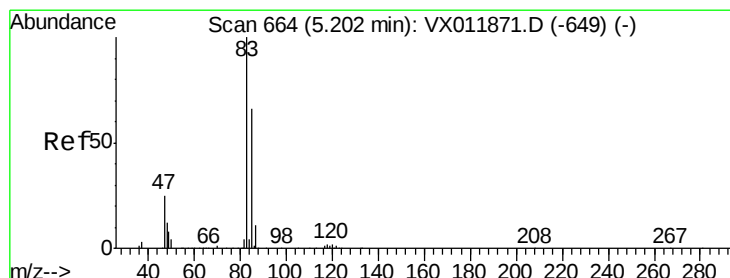
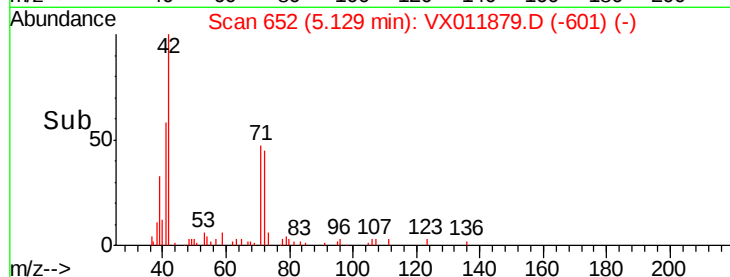
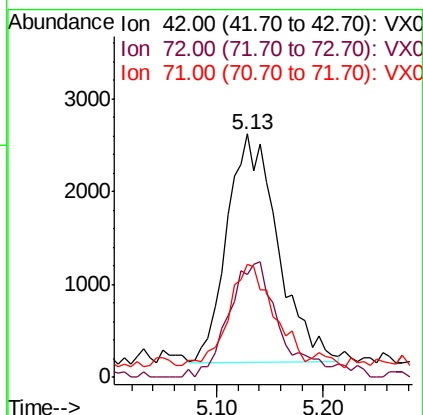
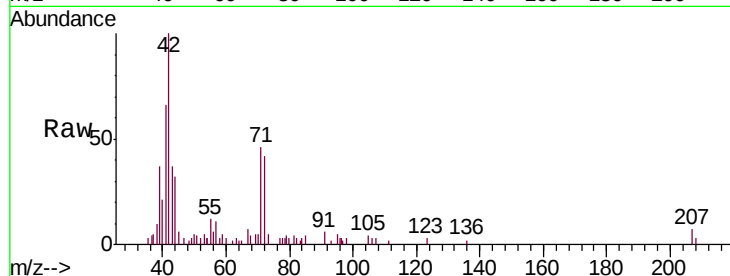




#29
Tetrahydrofuran
Concen: 17.235 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.01 min
Lab File: VX011879.D
Acq: 28 Aug 2019 20:13

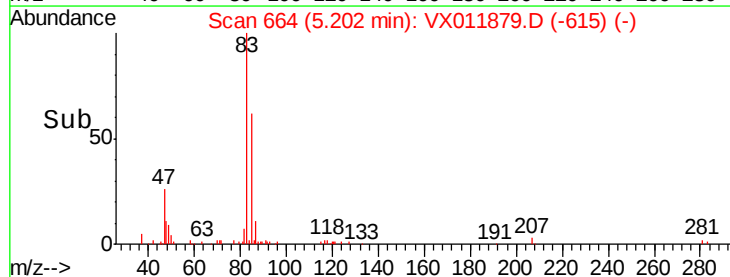
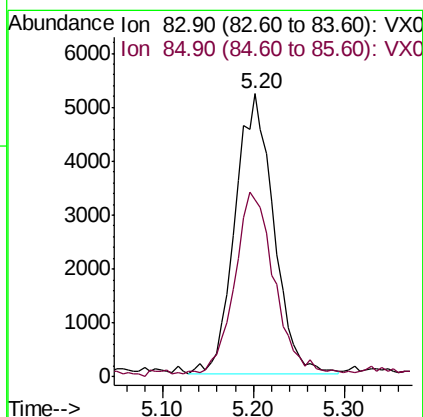
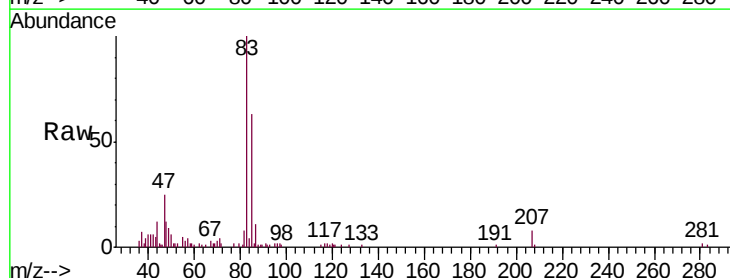
Instrument :
MSVOA_X
ClientSampleId :

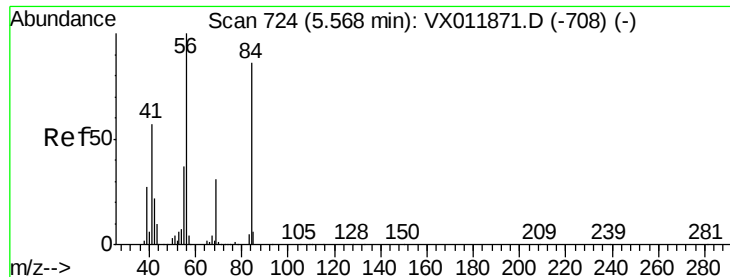
Tot Ion: 42 Resp: 8198
Ion Ratio Lower Upper
42 100
72 50.4 35.4 53.2
71 40.7 32.6 48.8



#30
Chloroform
Concen: 3.207 ug/l
RT: 5.20 min Scan# 664
Delta R.T. -0.00 min
Lab File: VX011879.D
Acq: 28 Aug 2019 20:13

Tgt Ion: 83 Resp: 15382
Ion Ratio Lower Upper
83 100
85 61.6 52.5 78.7





#31

Cyclohexane

Concen: 2.526 ug/l

RT: 5.57 min Scan# 724

Delta R.T. -0.00 min

Lab File: VX011879.D

Acq: 28 Aug 2019 20:13

Instrument :

MSVOA_X

ClientSampleId :

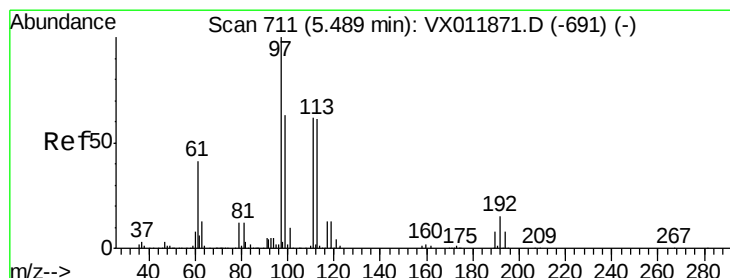
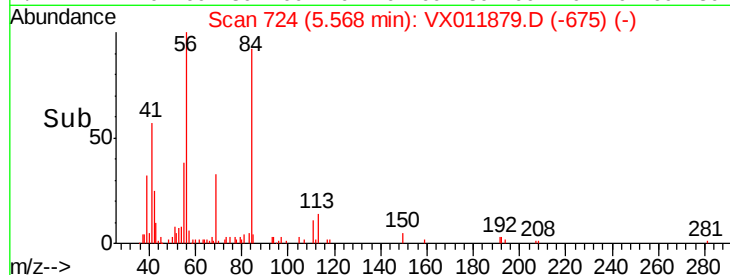
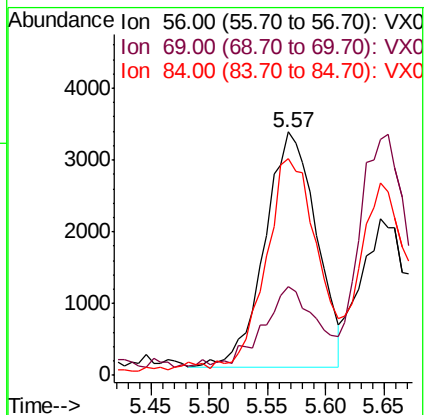
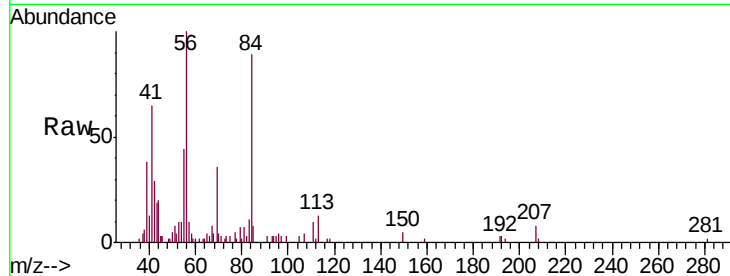
Tot Ion: 56 Resp: 10080

Ion Ratio Lower Upper

56 100

69 33.6 25.0 37.4

84 86.8 68.6 103.0



#32

1,1,1-Trichloroethane

Concen: 2.499 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.00 min

Lab File: VX011879.D

Acq: 28 Aug 2019 20:13

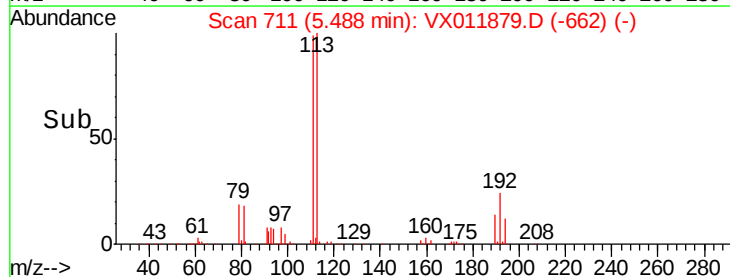
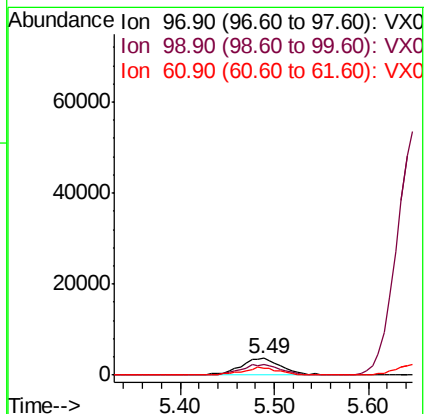
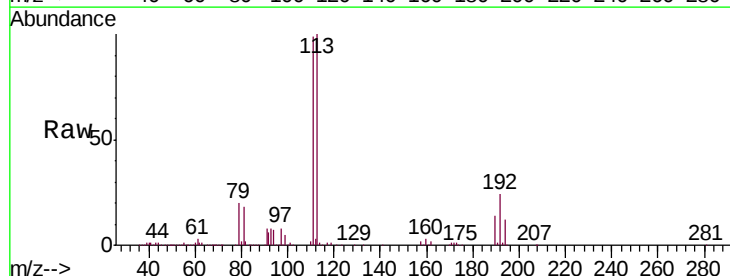
Tgt Ion: 97 Resp: 10777

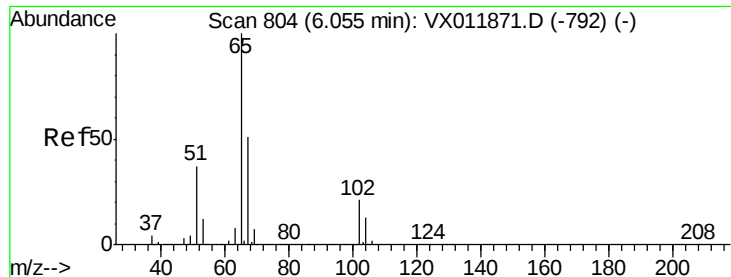
Ion Ratio Lower Upper

97 100

99 66.4 51.1 76.7

61 44.1 33.4 50.2

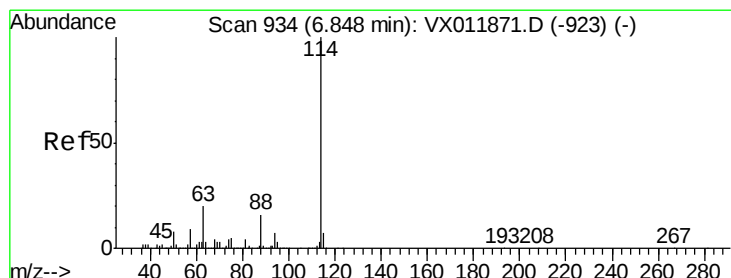
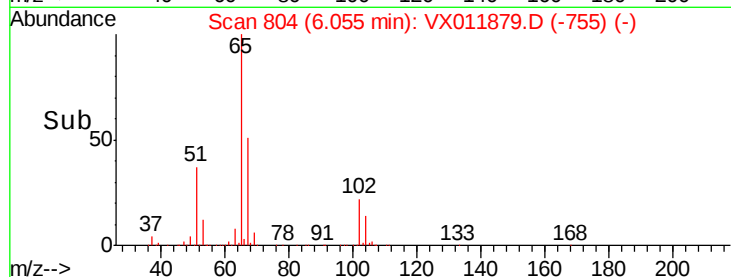
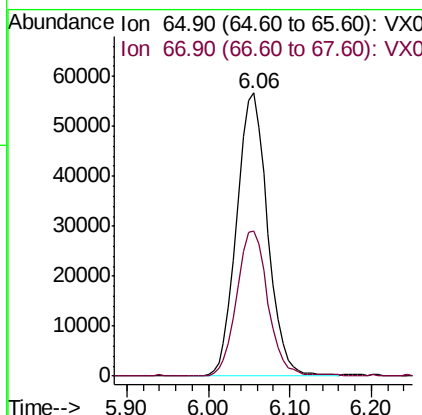
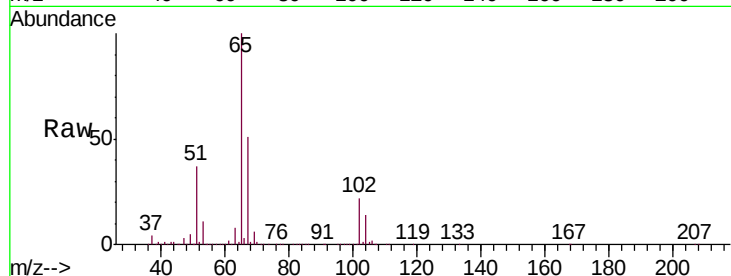




#33
 1,2-Dichloroethane-d4
 Concen: 54.407 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. -0.00 min
 Lab File: VX011879.D
 Acq: 28 Aug 2019 20:13

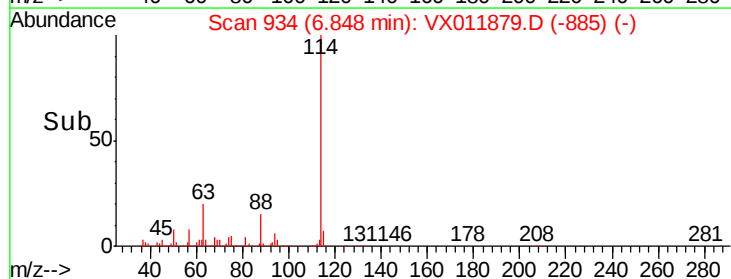
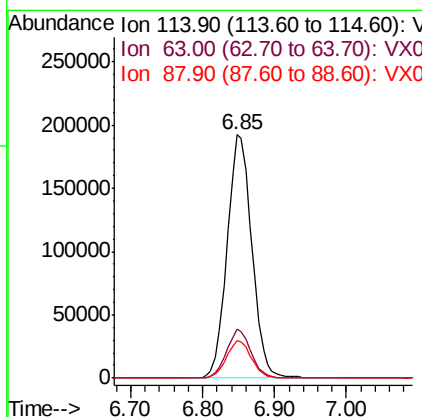
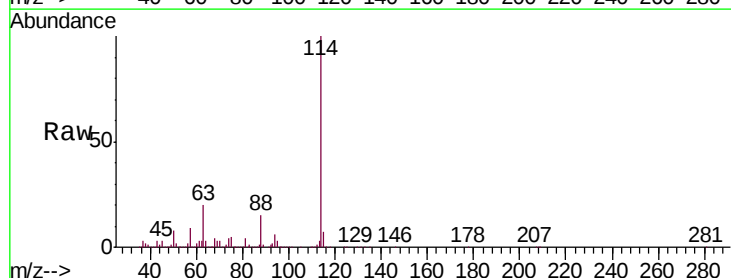
Instrument :
 MSVOA_X
 ClientSampleId :

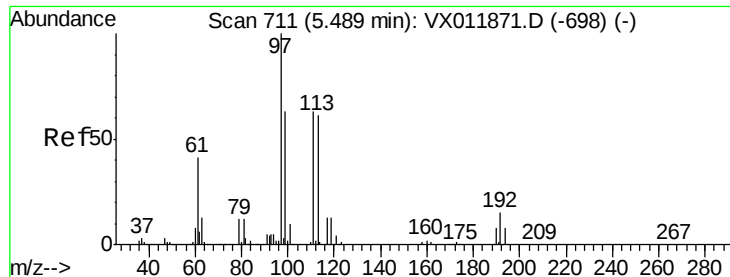
Tot Ion: 65 Resp: 149280
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 934
 Delta R.T. -0.00 min
 Lab File: VX011879.D
 Acq: 28 Aug 2019 20:13

Tgt Ion: 114 Resp: 460637
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.8
 88 15.5 0.0 31.6

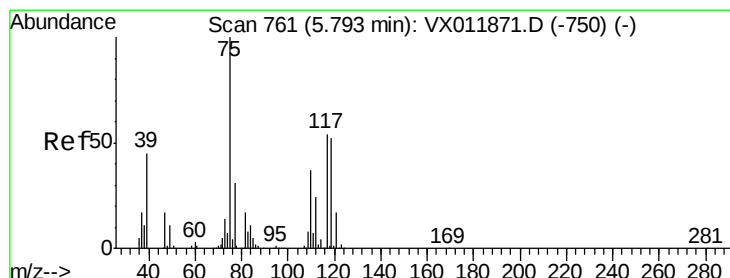
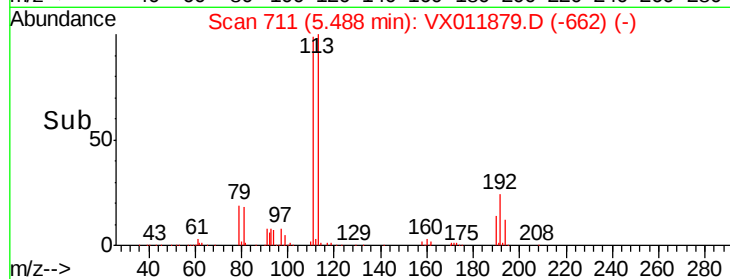
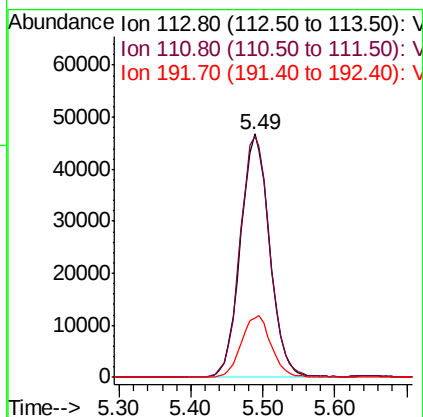
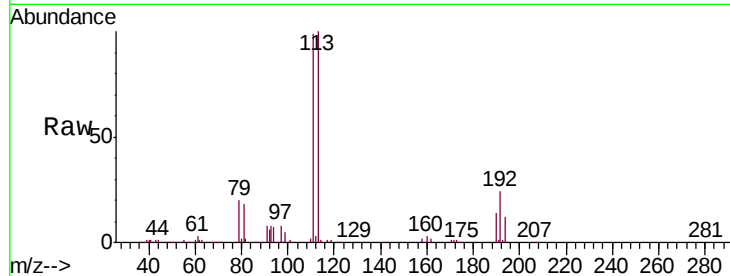




#35
 Dibromofluoromethane
 Concen: 46.976 ug/l
 RT: 5.49 min Scan# 711
 Delta R.T. -0.00 min
 Lab File: VX011879.D
 Acq: 28 Aug 2019 20:13

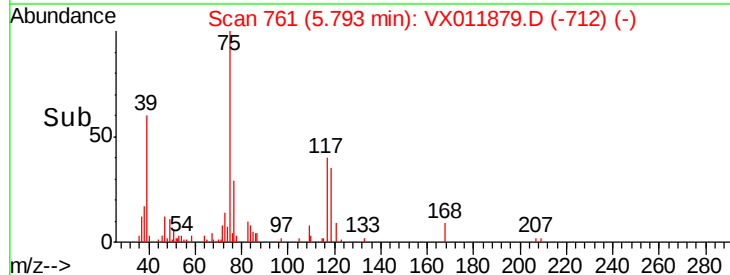
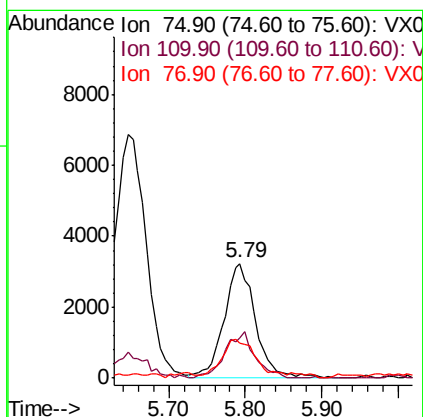
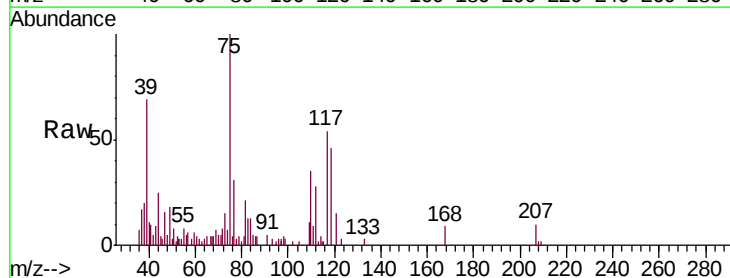
Instrument :
 MSVOA_X
 ClientSampleId :

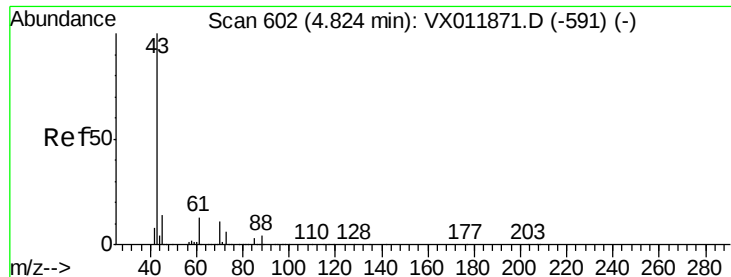
Tot Ion:113 Resp: 131501
 Ion Ratio Lower Upper
 113 100
 111 101.3 80.9 121.3
 192 26.0 20.6 30.8



#36
 1,1-Dichloropropene
 Concen: 2.444 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. -0.00 min
 Lab File: VX011879.D
 Acq: 28 Aug 2019 20:13

Tgt Ion: 75 Resp: 9259
 Ion Ratio Lower Upper
 75 100
 110 37.6 18.5 55.5
 77 32.4 24.7 37.1

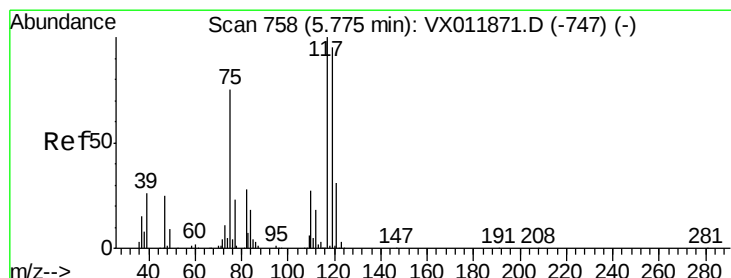
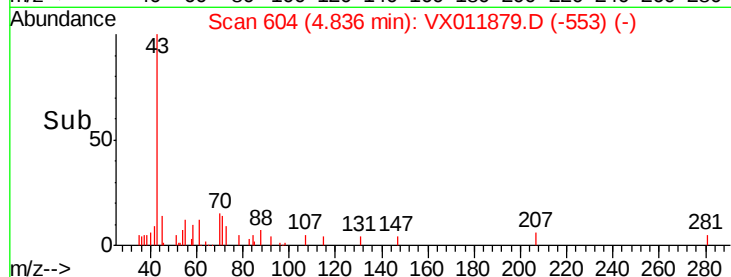
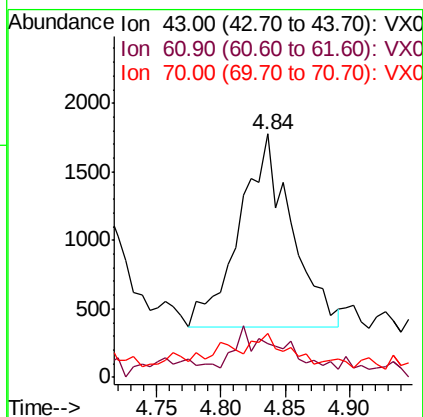
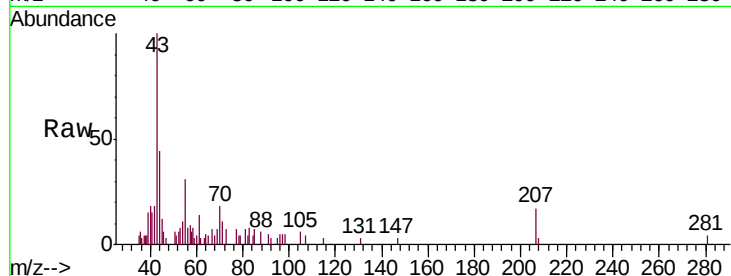




#37
Ethyl Acetate
Concen: 2.465 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX011879.D
Acq: 28 Aug 2019 20:13

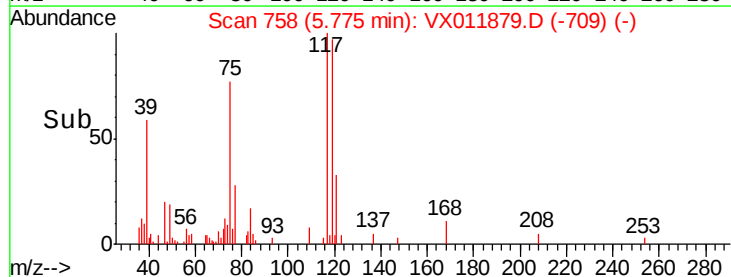
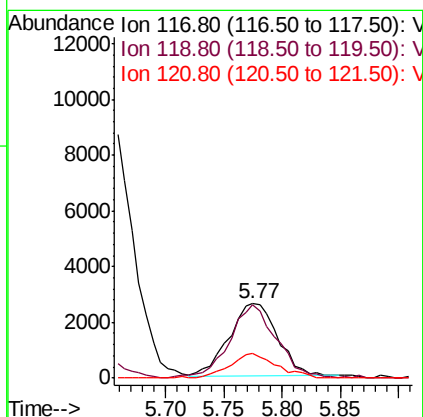
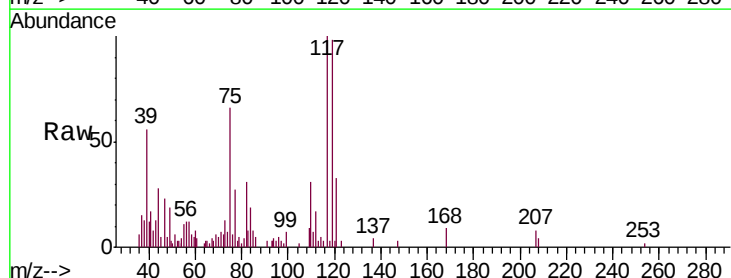
Instrument :
MSVOA_X
ClientSampleId :

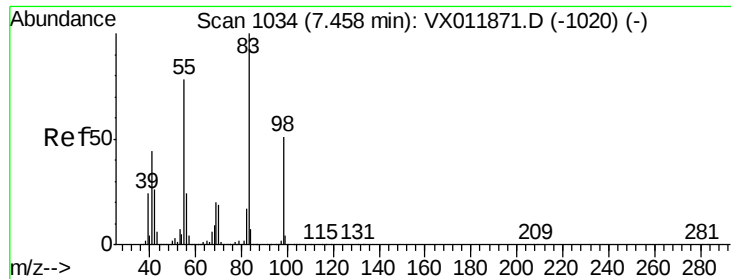
Tot Ion: 43 Resp: 3928
Ion Ratio Lower Upper
43 100
61 16.1 10.5 15.7#
70 10.4 8.9 13.3



#38
Carbon Tetrachloride
Concen: 2.077 ug/l
RT: 5.77 min Scan# 758
Delta R.T. -0.00 min
Lab File: VX011879.D
Acq: 28 Aug 2019 20:13

Tgt Ion: 117 Resp: 7670
Ion Ratio Lower Upper
117 100
119 101.2 75.7 113.5
121 33.9 25.1 37.7

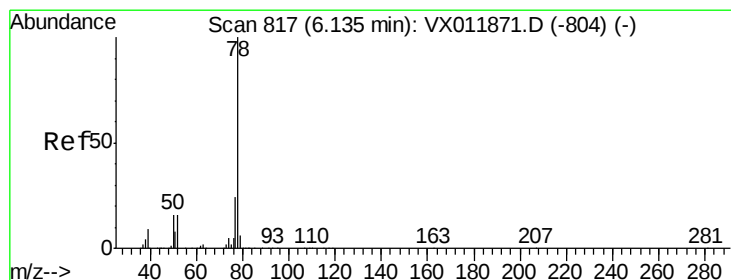
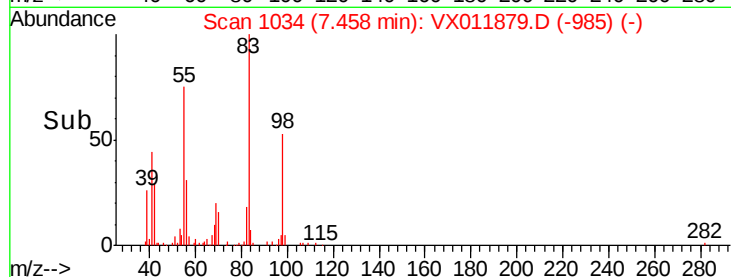
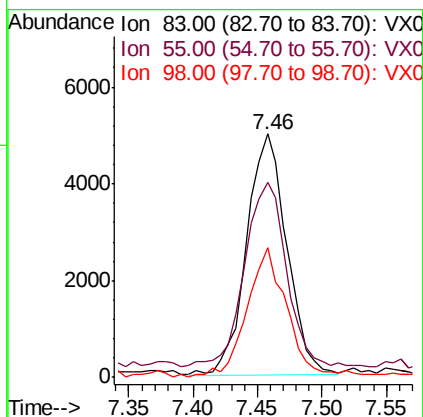
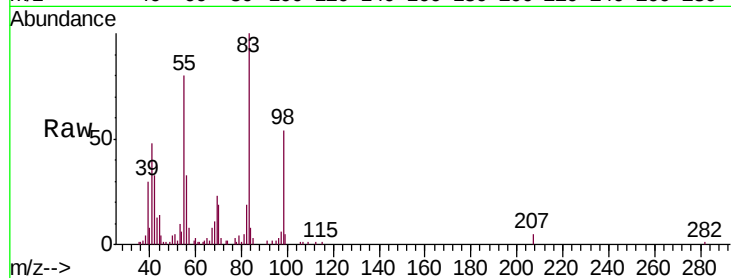




#39
Methvlcvclohexane
Concen: 2.313 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VX011879.D
Acq: 28 Aug 2019 20:13

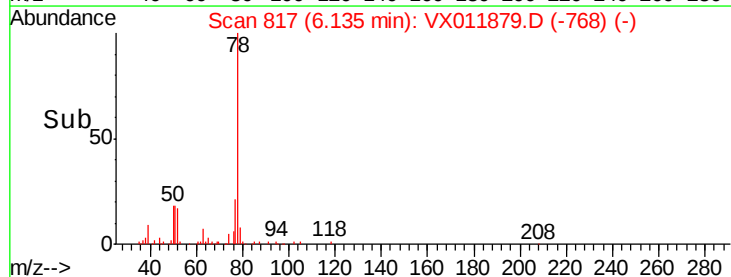
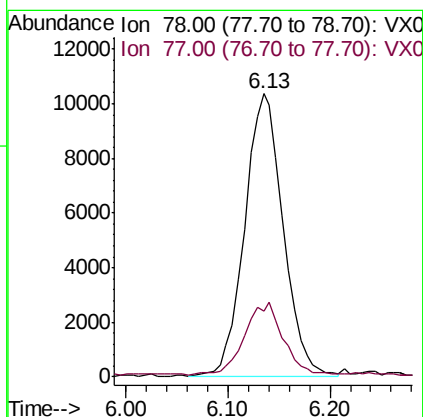
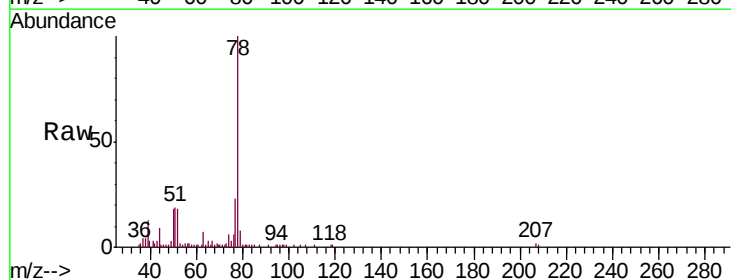
Instrument :
MSVOA_X
ClientSampleId :

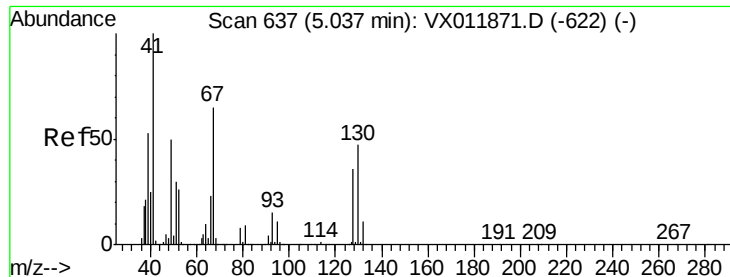
Tot Ion: 83 Resp: 10713
Ion Ratio Lower Upper
83 100
55 75.9 62.1 93.1
98 54.3 40.6 61.0



#40
Benzene
Concen: 2.499 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.00 min
Lab File: VX011879.D
Acq: 28 Aug 2019 20:13

Tgt Ion: 78 Resp: 27312
Ion Ratio Lower Upper
78 100
77 22.2 19.0 28.4

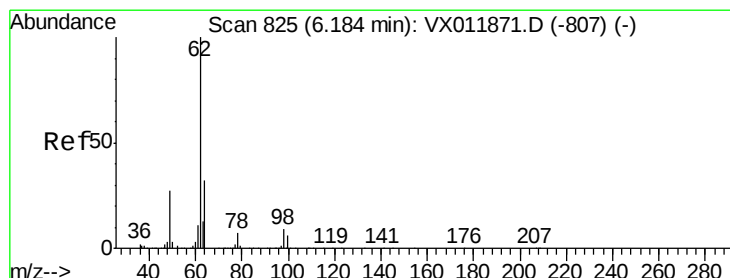
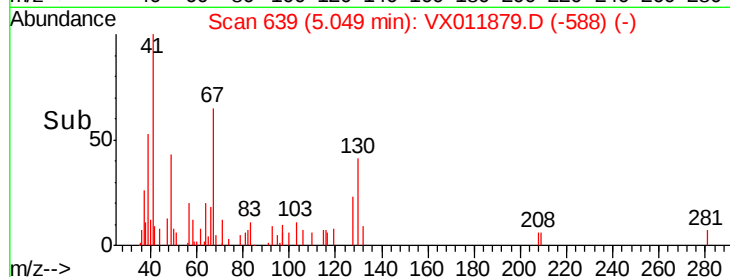
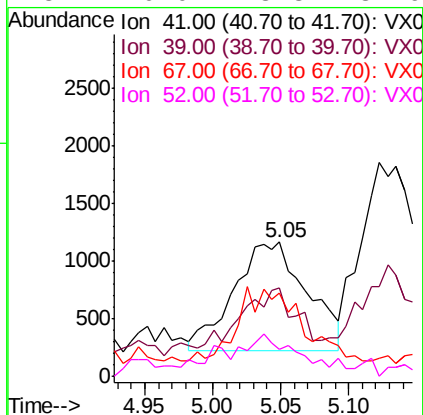
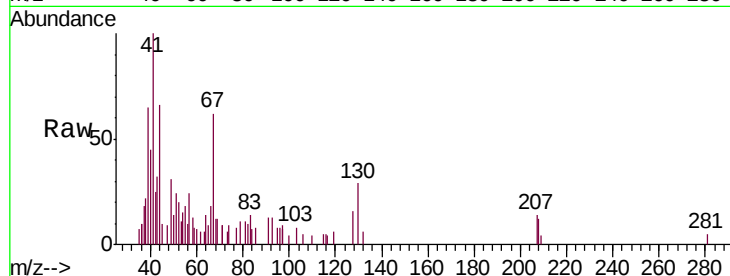




#41
Methacrylonitrile
Concen: 3.264 ug/l
RT: 5.05 min Scan# 639
Delta R.T. 0.01 min
Lab File: VX011879.D
Acq: 28 Aug 2019 20:13

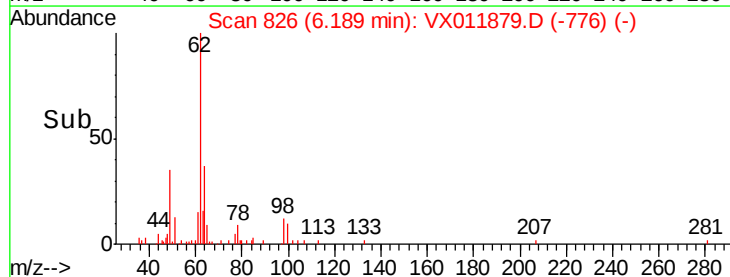
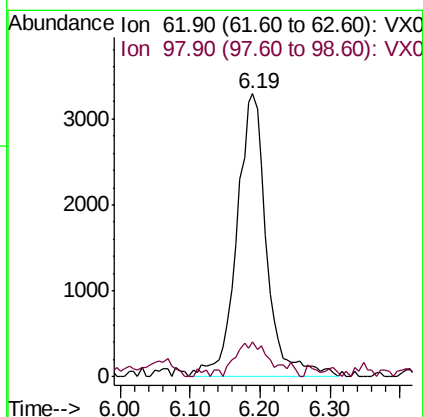
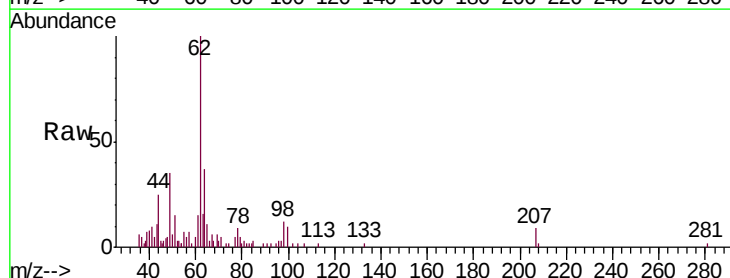
Instrument :
MSVOA_X
ClientSampled :

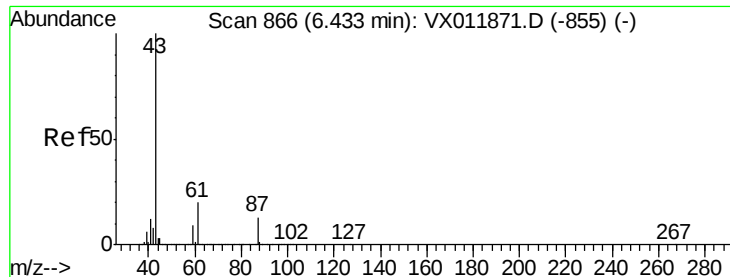
Tot Ion: 41 Resp: 3528
Ion Ratio Lower Upper
41 100
39 41.4 44.5 66.7#
67 0.0 55.0 82.4#
52 0.0 23.3 34.9#



#42
1,2-Dichloroethane
Concen: 2.817 ug/l
RT: 6.19 min Scan# 826
Delta R.T. 0.01 min
Lab File: VX011879.D
Acq: 28 Aug 2019 20:13

Tgt Ion: 62 Resp: 9775
Ion Ratio Lower Upper
62 100
98 15.0 0.0 19.2





#43

Isopropyl Acetate

Concen: 2.671 ug/l

RT: 6.44 min Scan# 867

Delta R.T. 0.01 min

Lab File: VX011879.D

Acq: 28 Aug 2019 20:13

Instrument :

MSVOA_X

ClientSampleId :

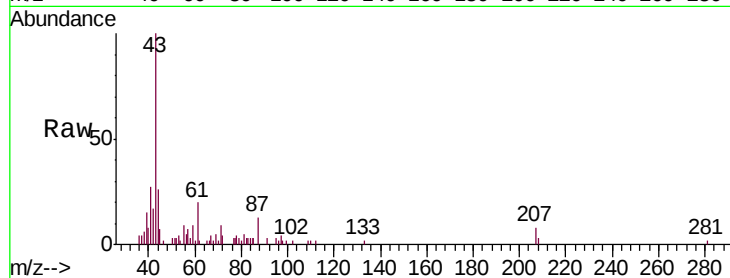
Tot Ion: 43 Resp: 8361

Ion Ratio Lower Upper

43 100

61 22.1 15.6 23.4

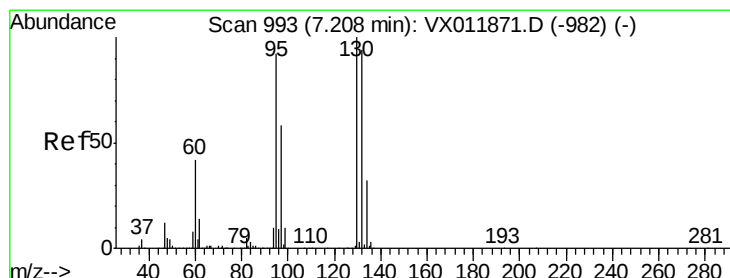
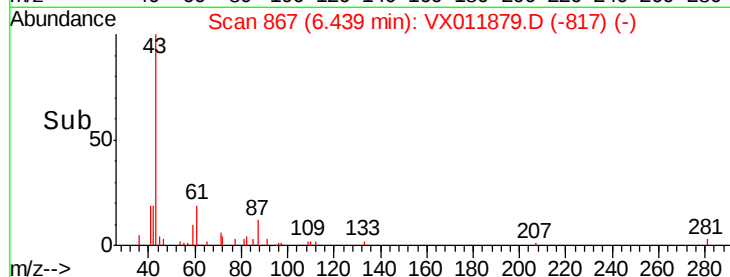
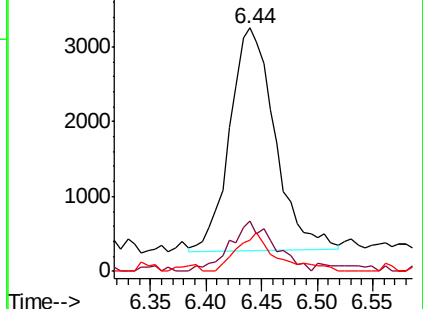
87 15.2 10.6 15.8



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: 2.703 ug/l

RT: 7.20 min Scan# 992

Delta R.T. -0.01 min

Lab File: VX011879.D

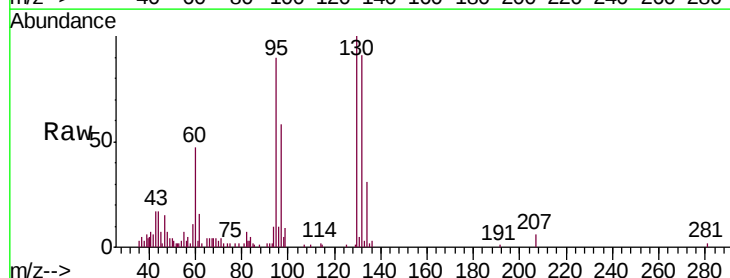
Acq: 28 Aug 2019 20:13

Tgt Ion: 130 Resp: 9929

Ion Ratio Lower Upper

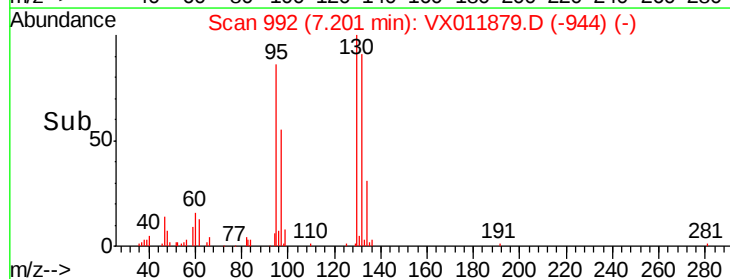
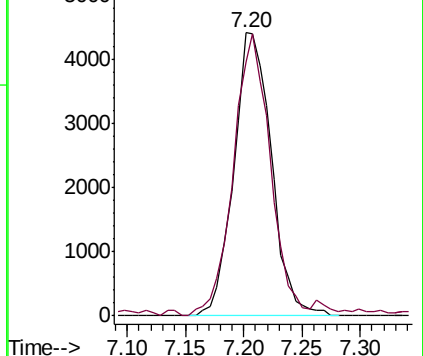
130 100

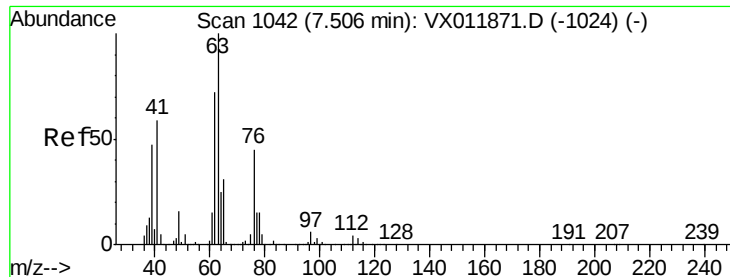
95 89.9 0.0 184.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 2.500 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.01 min

Lab File: VX011879.D

Acq: 28 Aug 2019 20:13

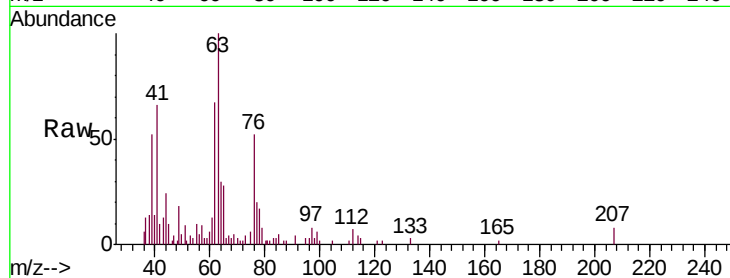
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 63 Resp: 6798

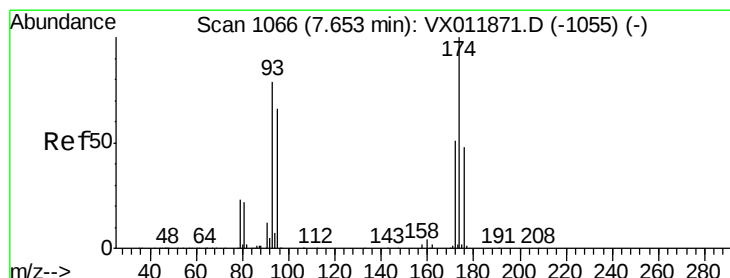
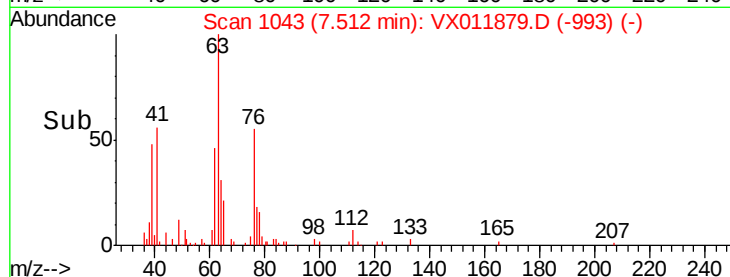
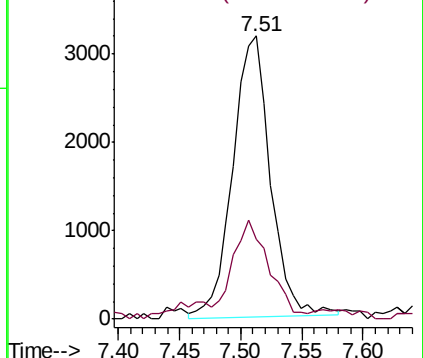
Ion Ratio Lower Upper

63 100

65 25.4 24.5 36.7



Abundance Ion 62.90 (62.60 to 63.60): VX0
Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 2.828 ug/l

RT: 7.65 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VX011879.D

Acq: 28 Aug 2019 20:13

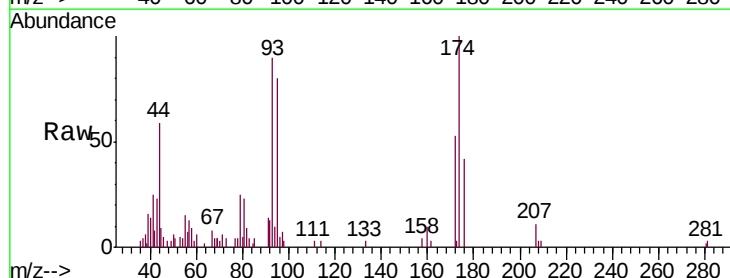
Tgt Ion: 93 Resp: 4556

Ion Ratio Lower Upper

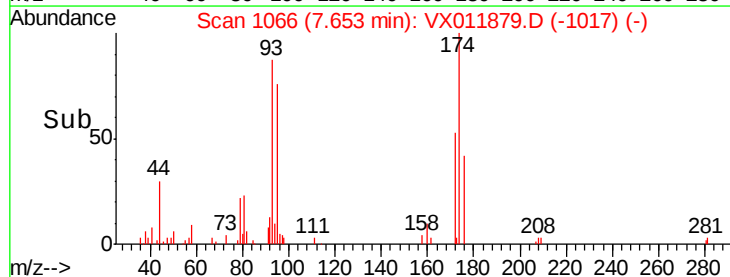
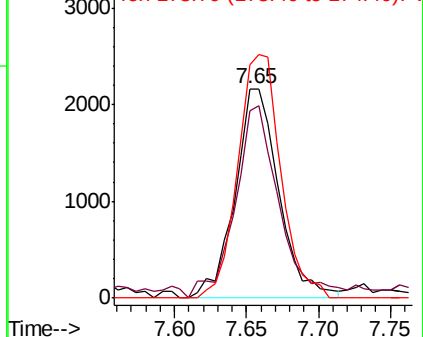
93 100

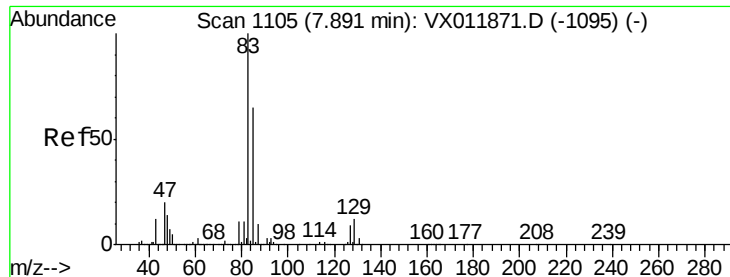
95 93.1 65.8 98.8

174 114.4 100.2 150.4



Abundance Ion 92.80 (92.50 to 93.50): VX0
Ion 94.80 (94.50 to 95.50): VX0
Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 2.399 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.01 min

Lab File: VX011879.D

Acq: 28 Aug 2019 20:13

Instrument :

MSVOA_X

ClientSampleId :

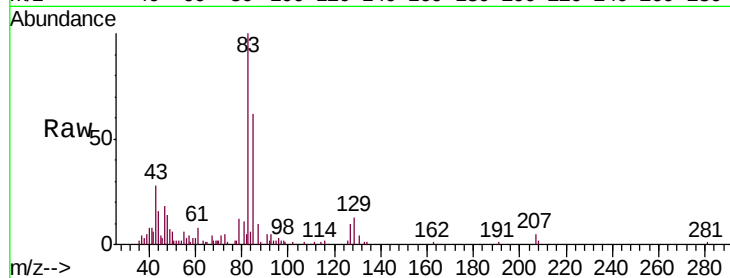
Tot Ion: 83 Resp: 9090

Ion Ratio Lower Upper

83 100

85 61.6 51.8 77.8

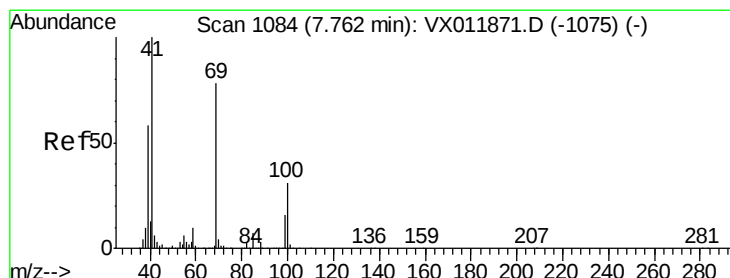
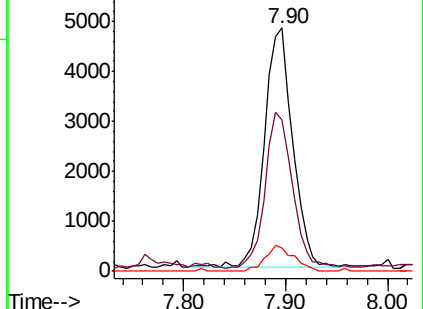
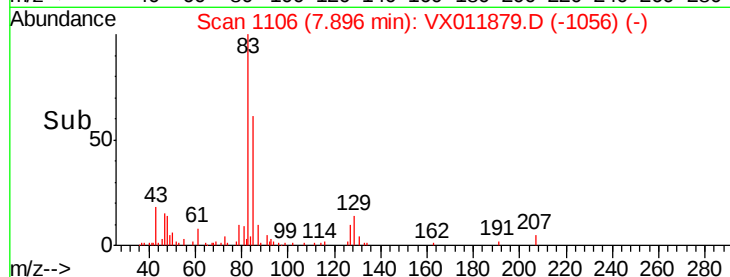
127 9.9 7.4 11.2



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: 2.688 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.01 min

Lab File: VX011879.D

Acq: 28 Aug 2019 20:13

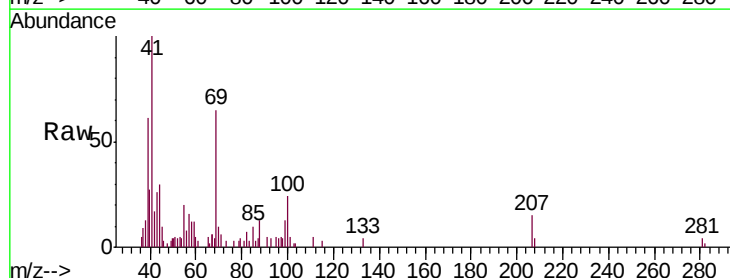
Tgt Ion: 41 Resp: 4208

Ion Ratio Lower Upper

41 100

69 72.5 63.0 94.4

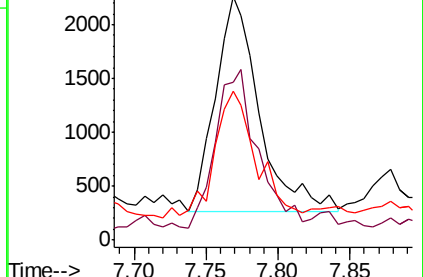
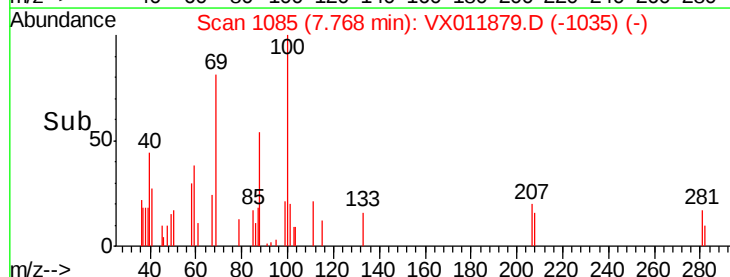
39 58.1 46.1 69.1

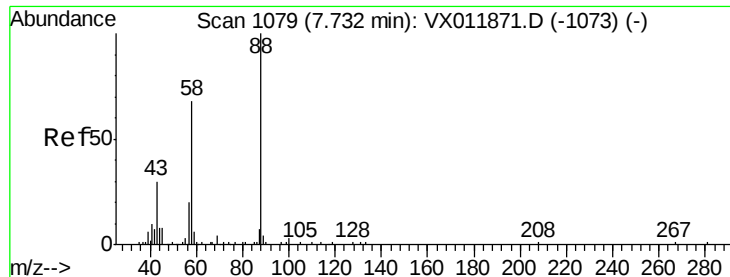


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 121.537 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. 0.01 min

Lab File: VX011879.D

Acq: 28 Aug 2019 20:13

Instrument :

MSVOA_X

ClientSampled :

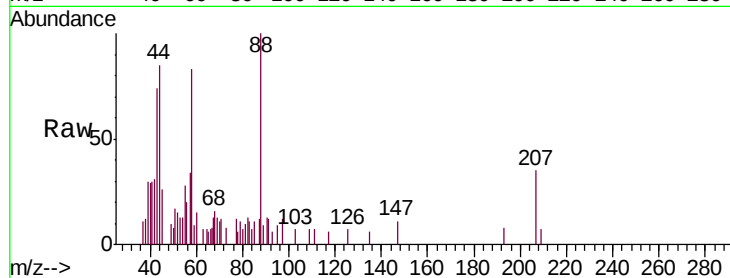
Tot Ion: 88 Resp: 2050

Ion Ratio Lower Upper

88 100

43 14.5 33.2 49.8#

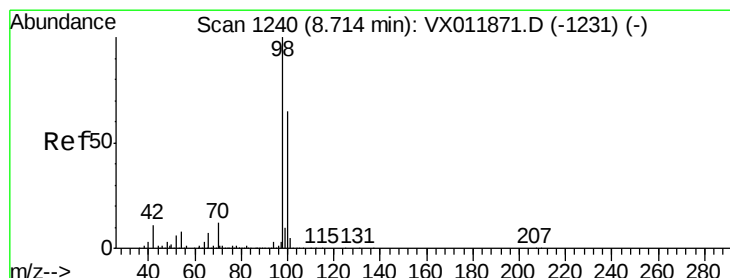
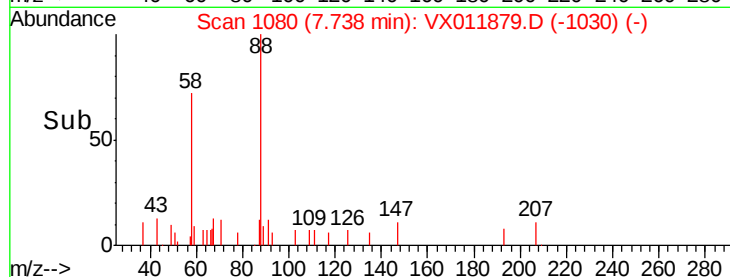
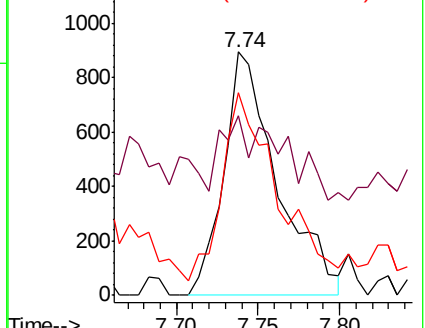
58 78.1 58.2 87.4



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: 49.278 ug/l

RT: 8.71 min Scan# 1239

Delta R.T. -0.01 min

Lab File: VX011879.D

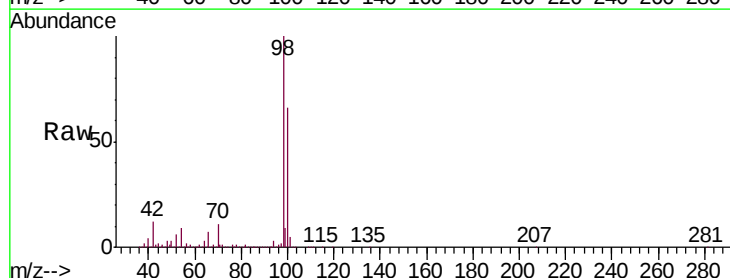
Acq: 28 Aug 2019 20:13

Tgt Ion: 98 Resp: 513509

Ion Ratio Lower Upper

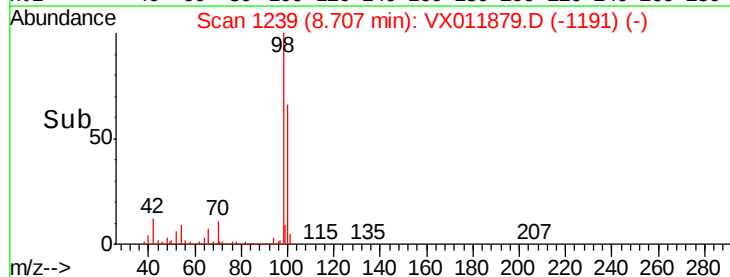
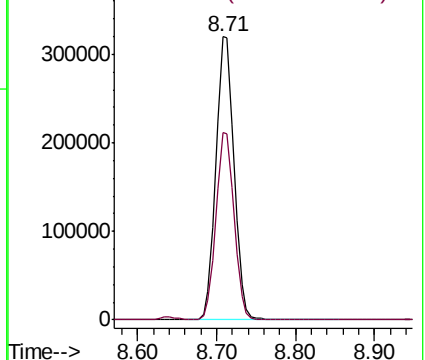
98 100

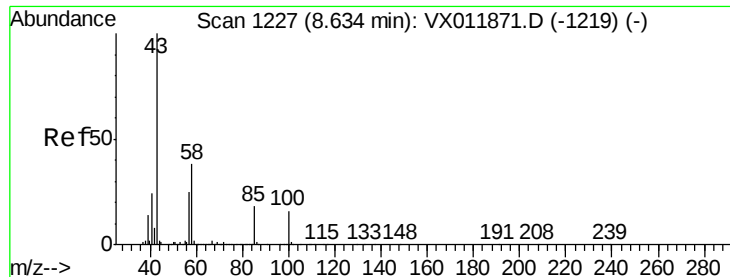
100 66.1 52.9 79.3



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: 28.874 ug/l

RT: 8.63 min Scan# 1227

Delta R.T. -0.00 min

Lab File: VX011879.D

Acq: 28 Aug 2019 20:13

Instrument :

MSVOA_X

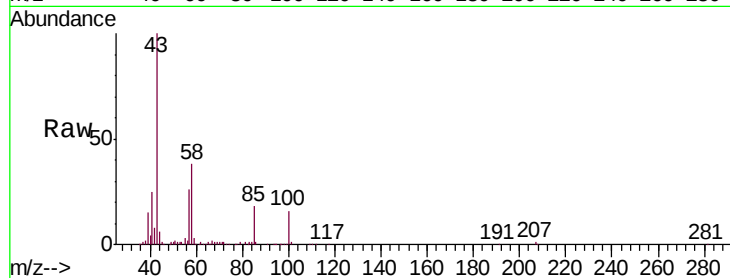
ClientSampleId :

Tot Ion: 43 Resp: 36407

Ion Ratio Lower Upper

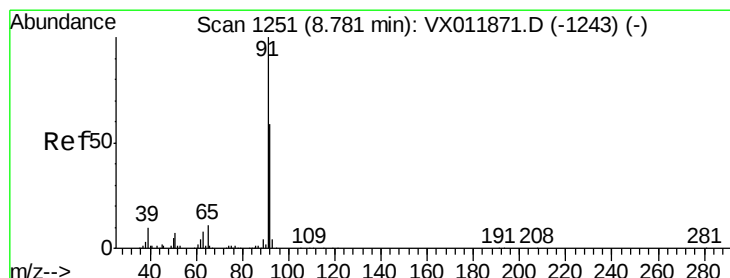
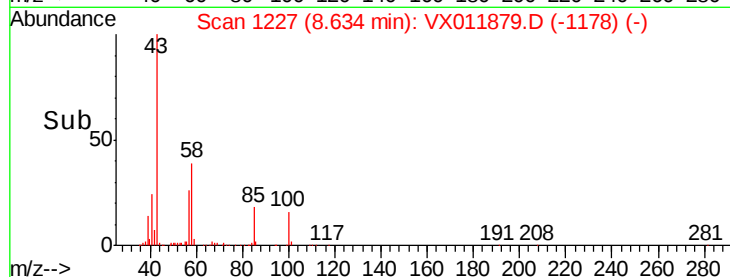
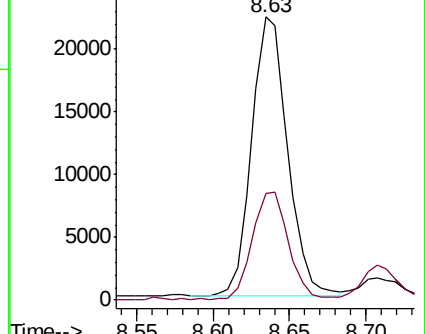
43 100

58 38.6 30.8 46.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 2.587 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX011879.D

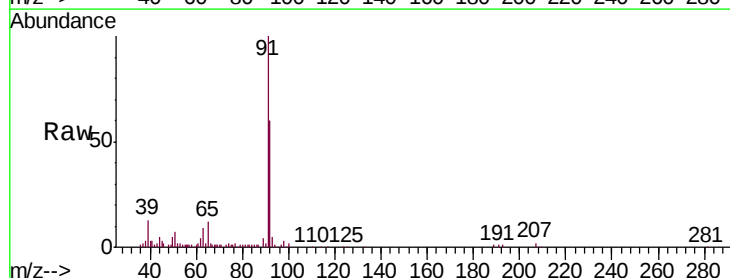
Acq: 28 Aug 2019 20:13

Tgt Ion: 92 Resp: 18219

Ion Ratio Lower Upper

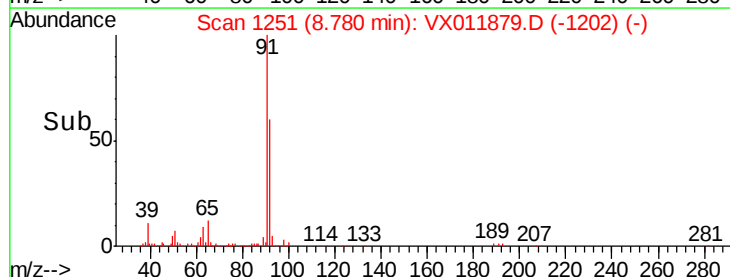
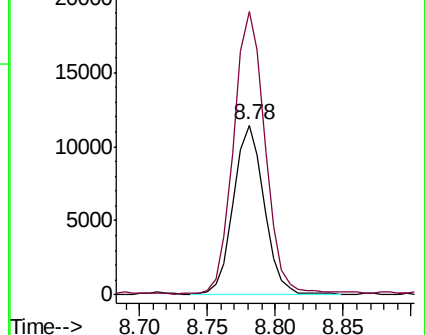
92 100

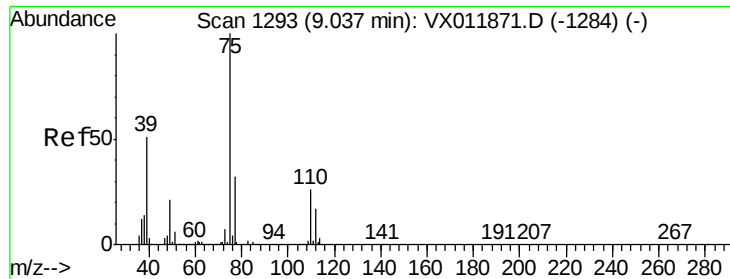
91 170.9 136.2 204.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

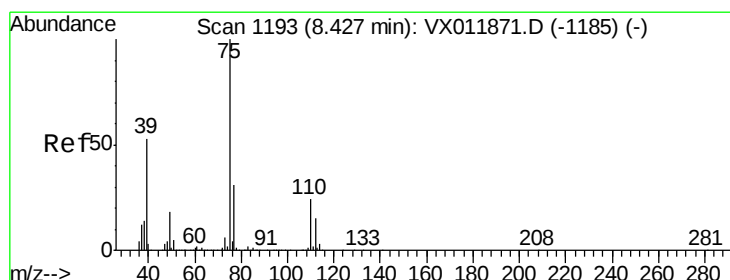
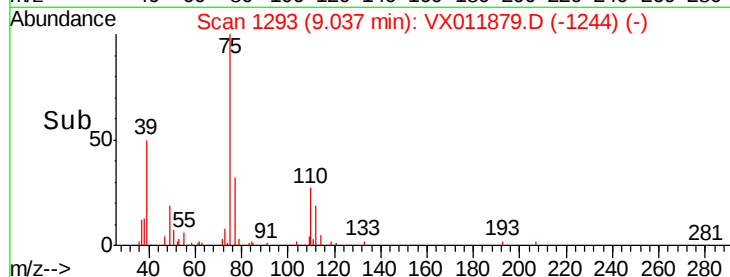
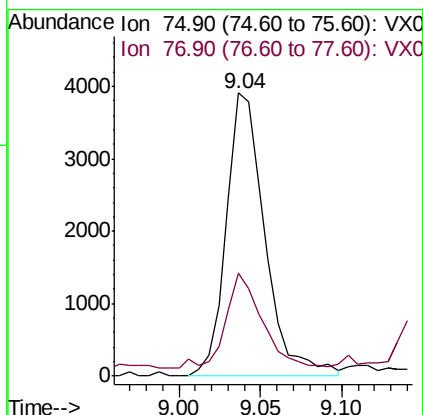
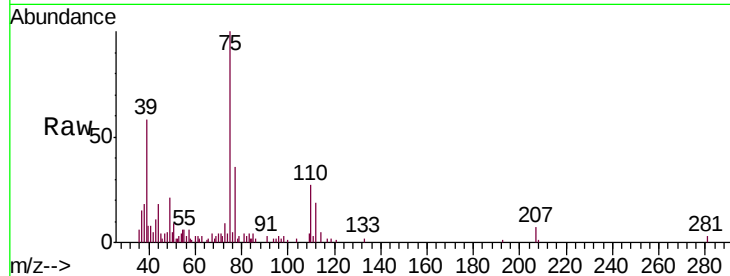




#53
t-1,3-Dichloropropene
Concen: 1.997 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. -0.00 min
Lab File: VX011879.D
Acq: 28 Aug 2019 20:13

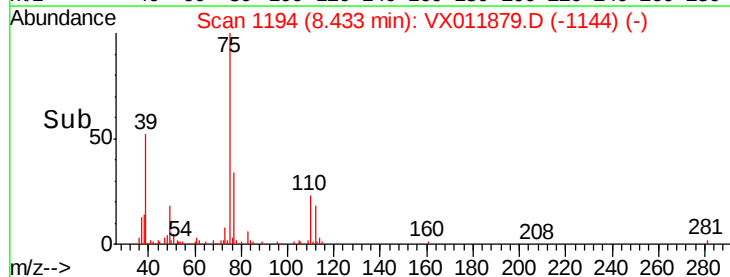
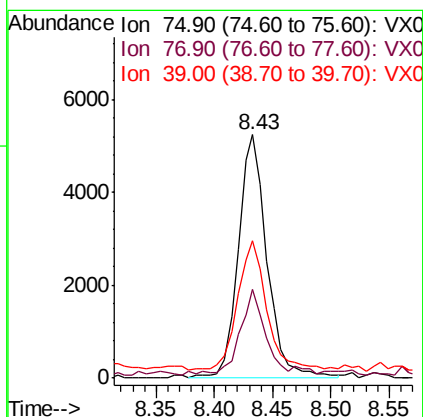
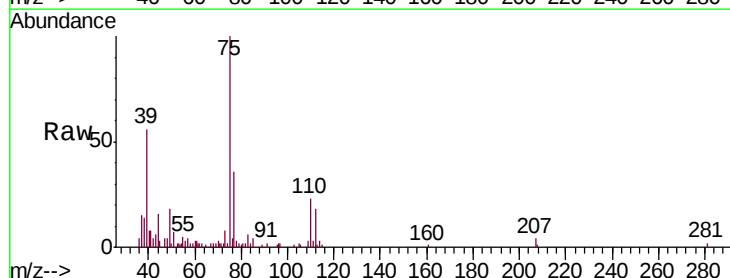
Instrument :
MSVOA_X
ClientSampleId :

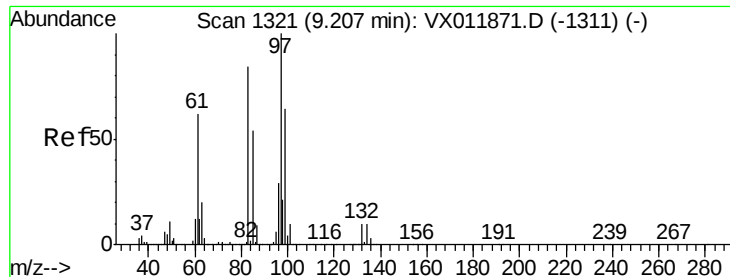
Tot Ion: 75 Resp: 6446
Ion Ratio Lower Upper
75 100
77 32.0 25.4 38.0



#54
cis-1,3-Dichloropropene
Concen: 2.209 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.01 min
Lab File: VX011879.D
Acq: 28 Aug 2019 20:13

Tgt Ion: 75 Resp: 9000
Ion Ratio Lower Upper
75 100
77 33.7 24.9 37.3
39 52.8 42.2 63.4

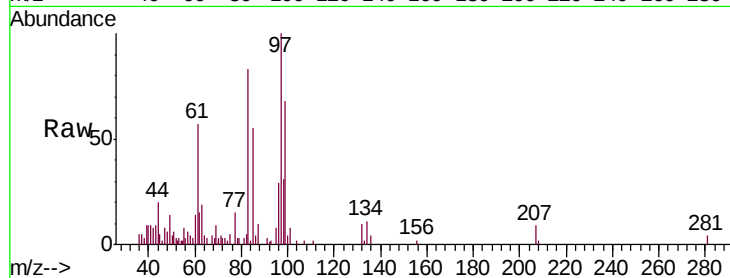




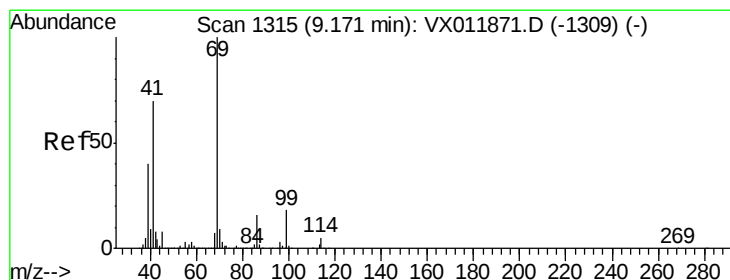
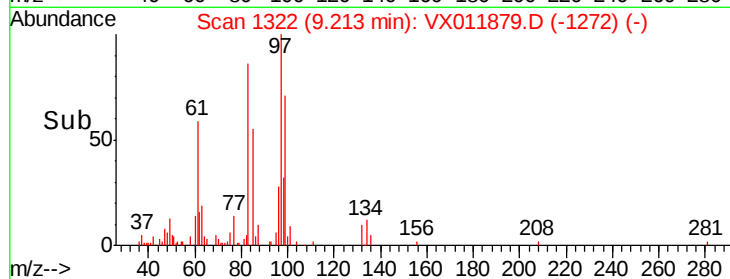
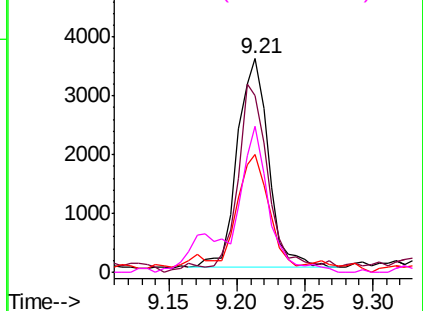
#55
 1,1,2-Trichloroethane
 Concen: 2.708 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.01 min
 Lab File: VX011879.D
 Acq: 28 Aug 2019 20:13

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:	97	Resp:	5685
Ion	Ratio	Lower	Upper
97	100		
83	81.9	67.6	101.4
85	53.5	42.9	64.3
99	69.7	51.1	76.7

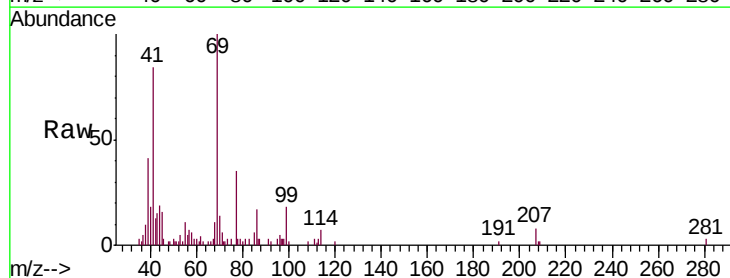


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

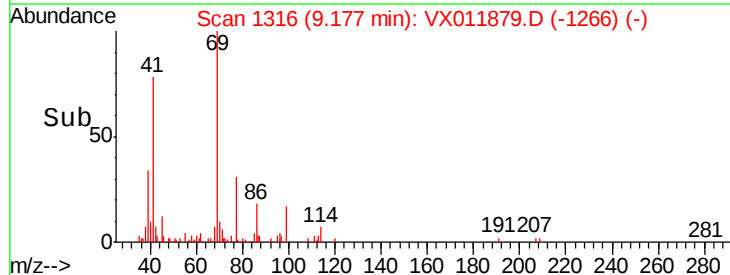
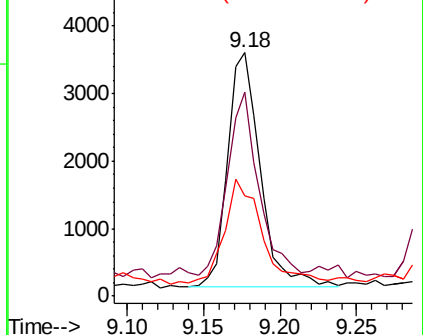


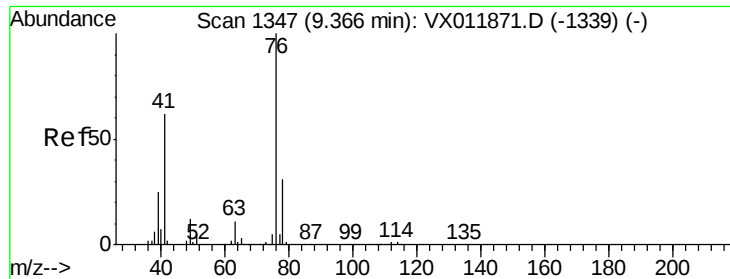
#56
 Ethyl methacrylate
 Concen: 2.509 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VX011879.D
 Acq: 28 Aug 2019 20:13

Tgt Ion:	69	Resp:	5137
Ion	Ratio	Lower	Upper
69	100		
41	74.2	55.9	83.9
39	53.4	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: 2.576 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.00 min

Lab File: VX011879.D

Acq: 28 Aug 2019 20:13

Instrument :

MSVOA_X

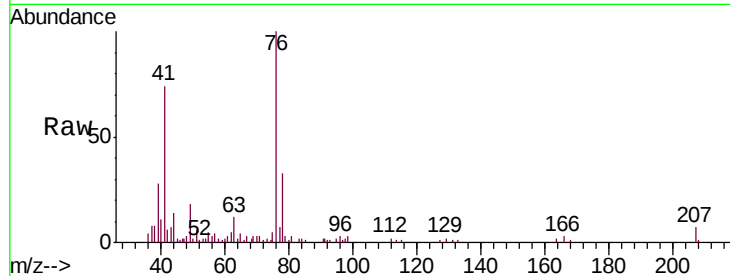
ClientSampleId :

Tot Ion: 76 Resp: 8989

Ion Ratio Lower Upper

76 100

78 35.1 25.4 38.0



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

6000

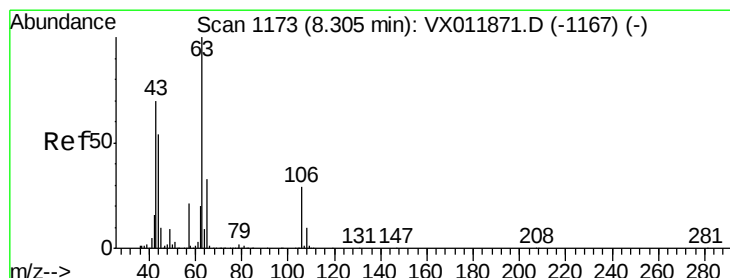
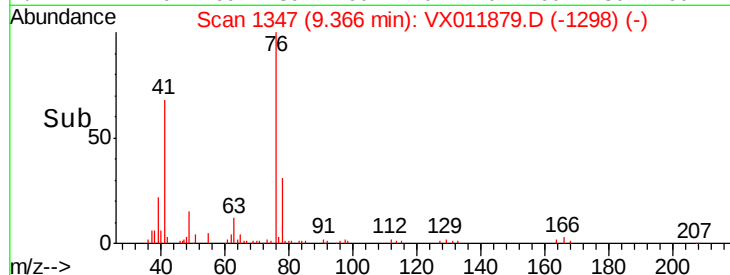
4000

2000

0

9.30 9.35 9.40 9.45

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 35.994 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.01 min

Lab File: VX011879.D

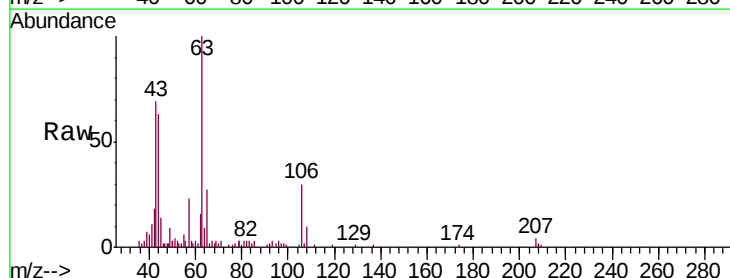
Acq: 28 Aug 2019 20:13

Tgt Ion: 63 Resp: 6939

Ion Ratio Lower Upper

63 100

106 34.6 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

5000

4000

3000

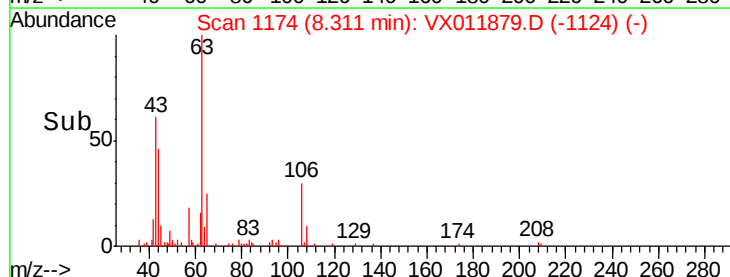
2000

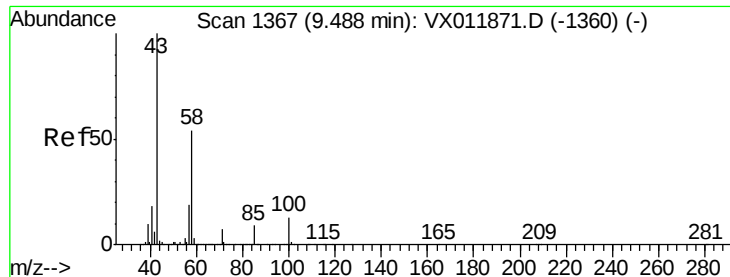
1000

0

8.20 8.30 8.40

Time-->

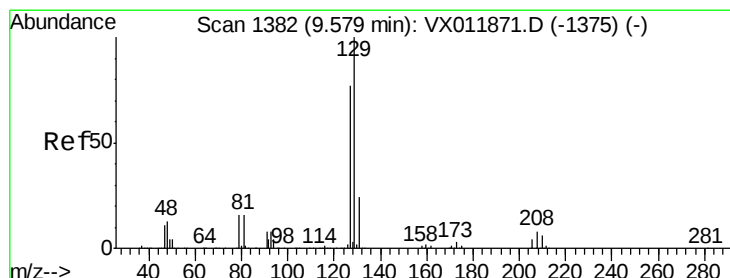
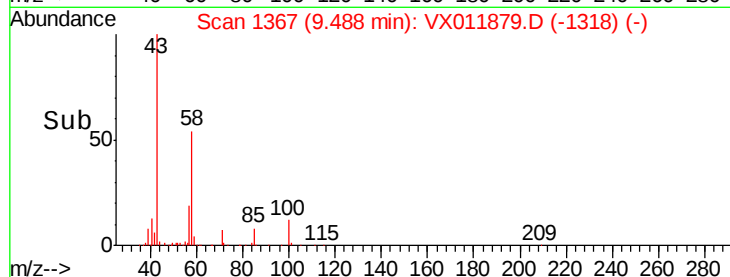
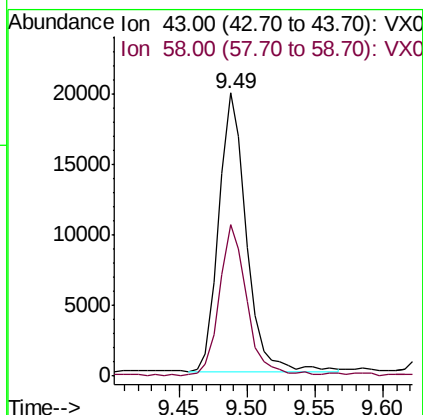
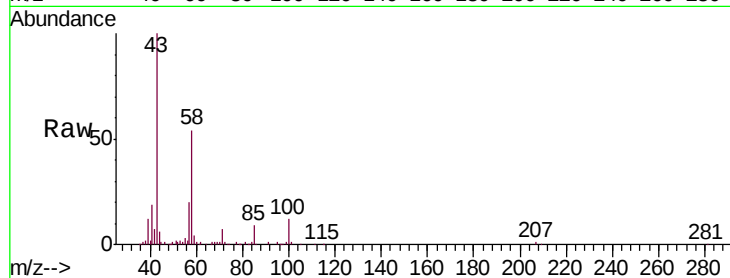




#59
2-Hexanone
Concen: 34.564 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX011879.D
Acq: 28 Aug 2019 20:13

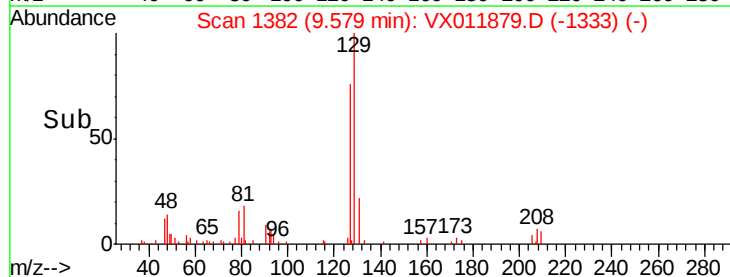
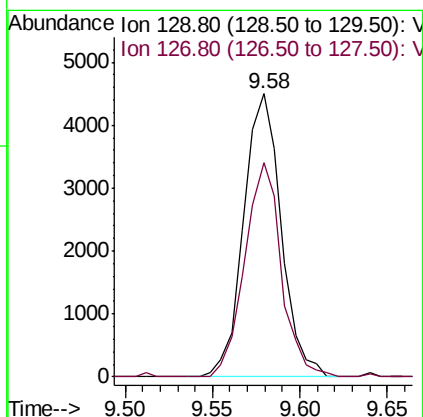
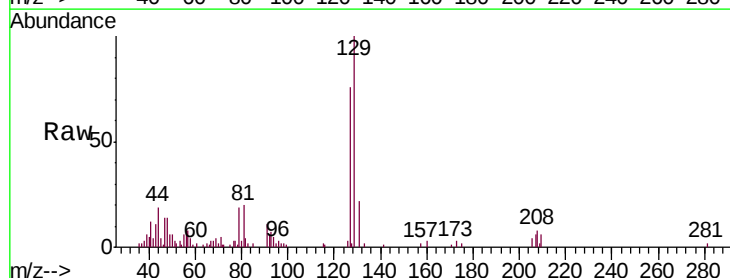
Instrument :
MSVOA_X
ClientSampleId :

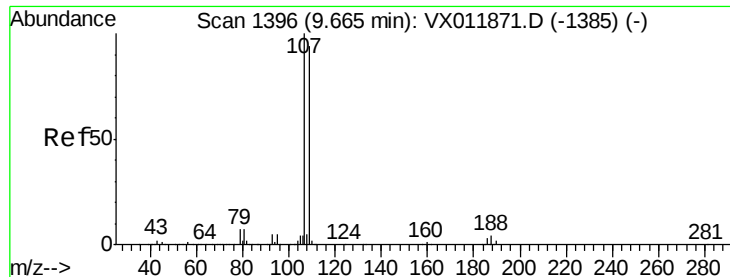
Tot Ion: 43 Resp: 27851
Ion Ratio Lower Upper
43 100
58 52.9 26.7 80.1



#60
Dibromochloromethane
Concen: 2.409 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX011879.D
Acq: 28 Aug 2019 20:13

Tgt Ion: 129 Resp: 6730
Ion Ratio Lower Upper
129 100
127 73.5 38.3 114.8





#61

1,2-Dibromoethane

Concen: 2.605 ug/l

RT: 9.66 min Scan# 1396

Delta R.T. -0.00 min

Lab File: VX011879.D

Acq: 28 Aug 2019 20:13

Instrument :

MSVOA_X

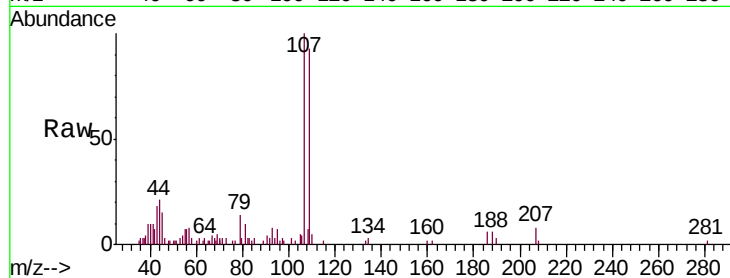
ClientSampleId :

Tot Ion:107 Resp: 5355

Ion Ratio Lower Upper

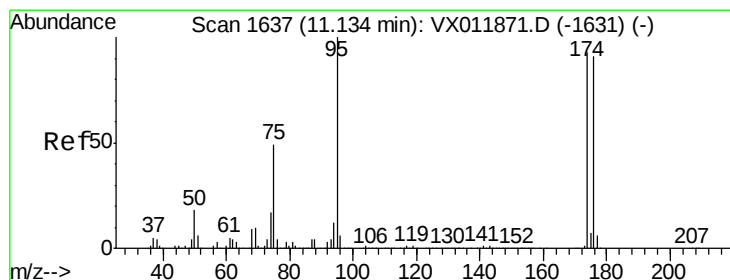
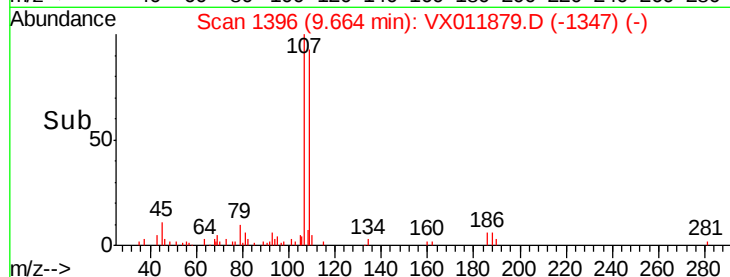
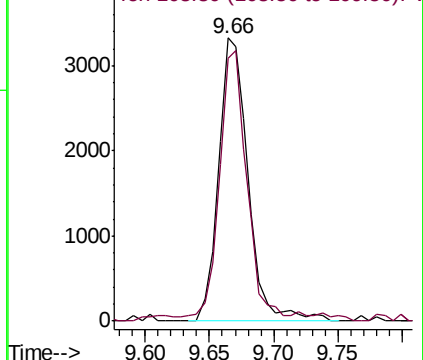
107 100

109 86.3 75.5 113.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.082 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011879.D

Acq: 28 Aug 2019 20:13

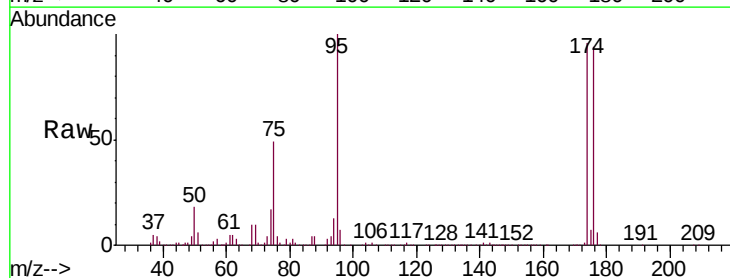
Tgt Ion: 95 Resp: 199864

Ion Ratio Lower Upper

95 100

174 95.4 0.0 189.2

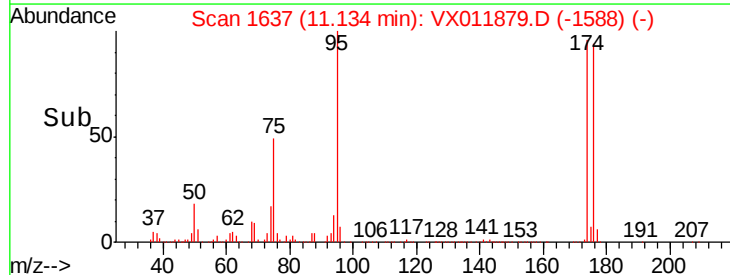
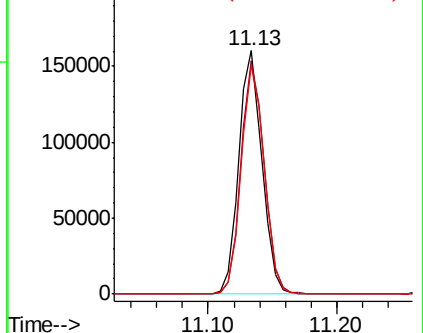
176 93.1 0.0 185.6

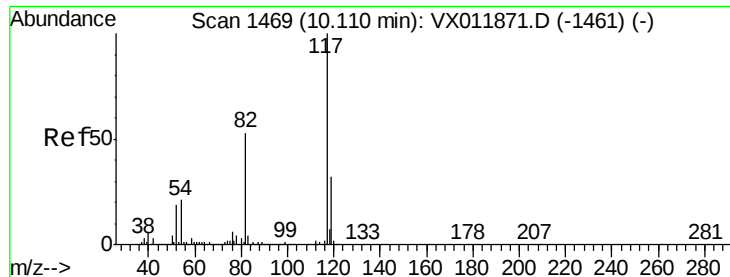


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

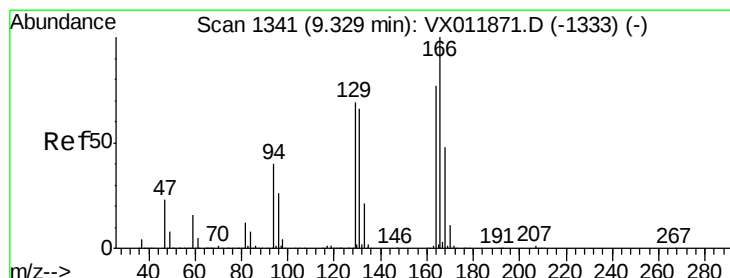
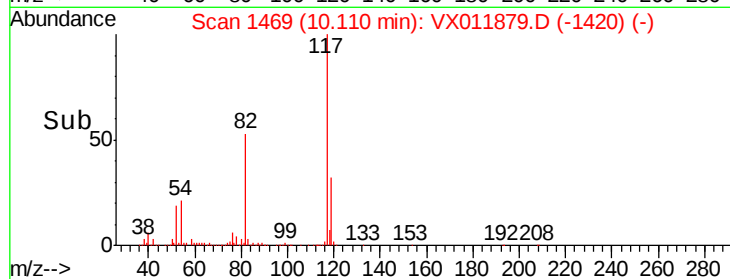
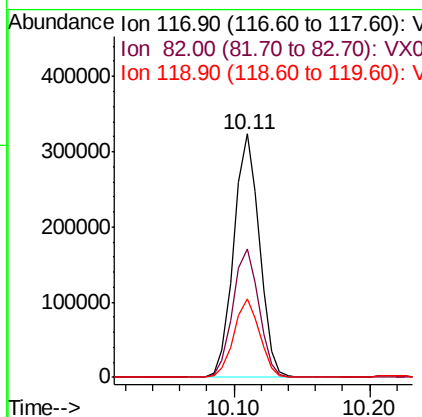
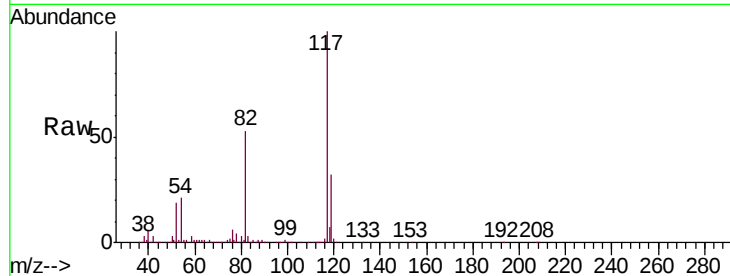




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011879.D
Acq: 28 Aug 2019 20:13

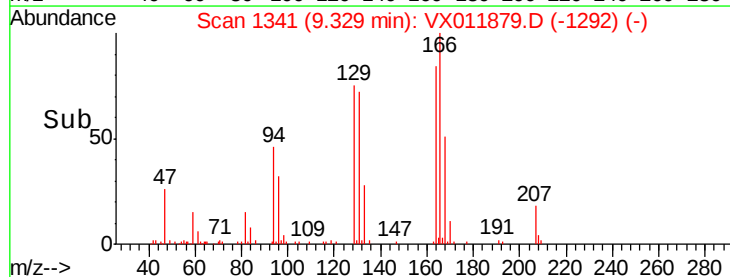
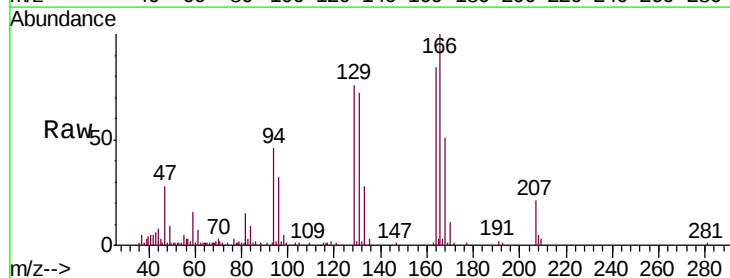
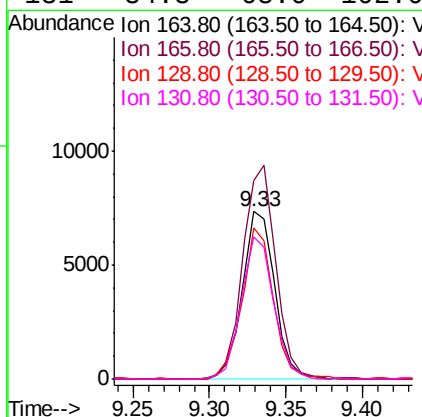
Instrument :
MSVOA_X
ClientSampled :

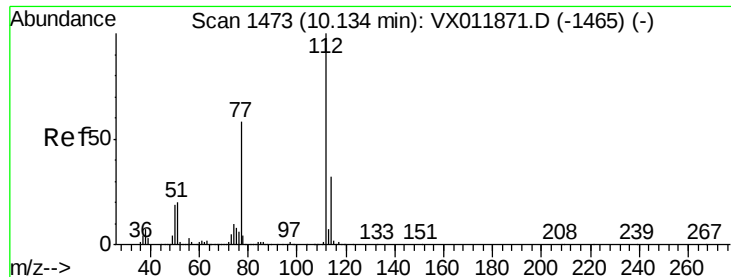
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.6	42.4	63.6
119	32.1	25.5	38.3



#64
Tetrachloroethene
Concen: 2.621 ug/l
RT: 9.33 min Scan# 1341
Delta R.T. -0.00 min
Lab File: VX011879.D
Acq: 28 Aug 2019 20:13

Tgt Ion	Ratio	Lower	Upper
164	100		
166	118.4	103.6	155.4
129	89.8	71.4	107.2
131	84.8	68.0	102.0





#65

Chlorobenzene

Concen: 2.689 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.00 min

Lab File: VX011879.D

Acq: 28 Aug 2019 20:13

Instrument :

MSVOA_X

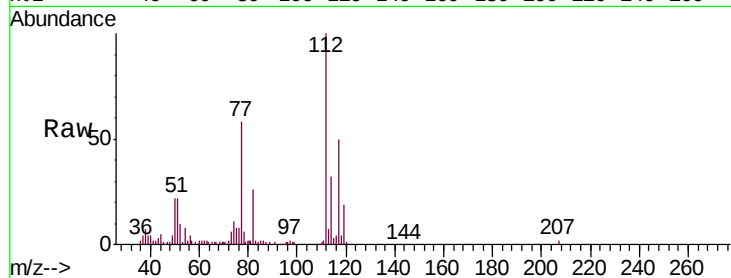
ClientSampleId :

Tot Ion:112 Resp: 21159

Ion Ratio Lower Upper

112 100

114 31.7 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

15000

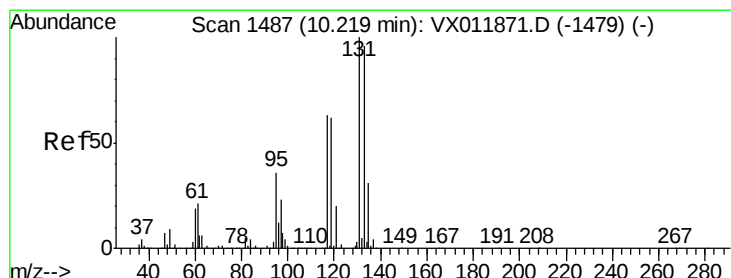
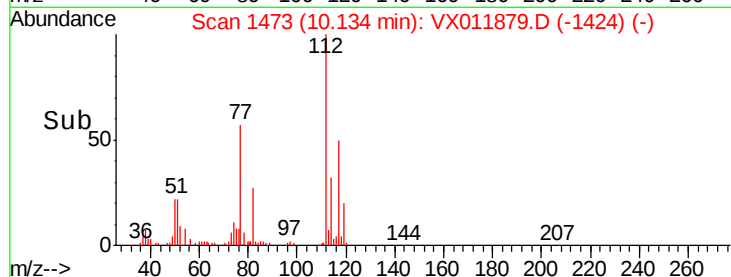
10000

5000

0

10.05 10.10 10.15 10.20

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 2.242 ug/l

RT: 10.21 min Scan# 1486

Delta R.T. -0.01 min

Lab File: VX011879.D

Acq: 28 Aug 2019 20:13

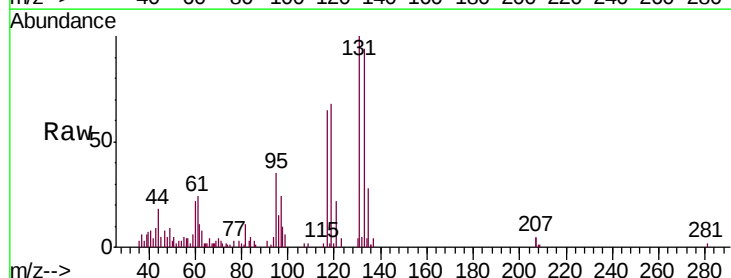
Tgt Ion:131 Resp: 6472

Ion Ratio Lower Upper

131 100

133 97.1 47.8 143.3

119 67.7 31.1 93.5



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

6000

5000

4000

3000

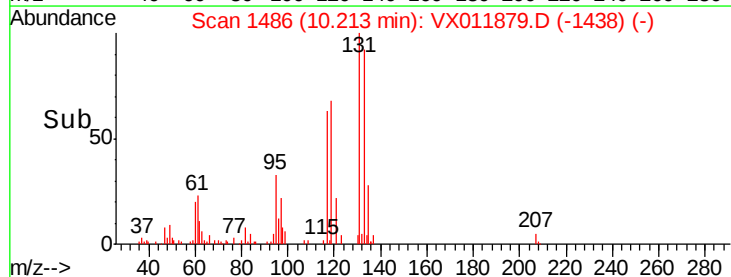
2000

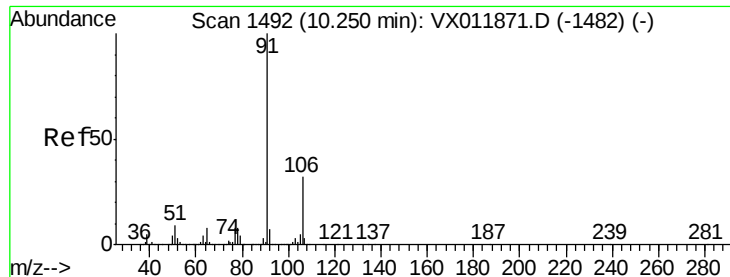
1000

0

10.15 10.20 10.25

Time-->





#67

Ethyl Benzene

Concen: 2.716 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX011879.D

Acq: 28 Aug 2019 20:13

Instrument :

MSVOA_X

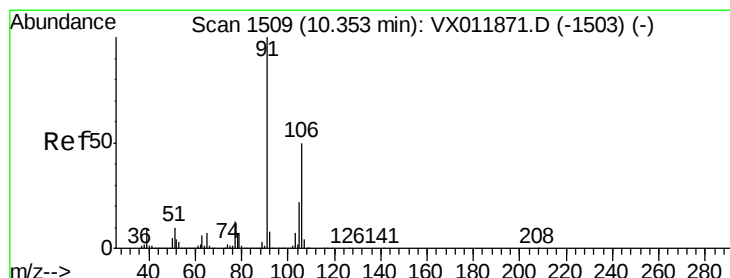
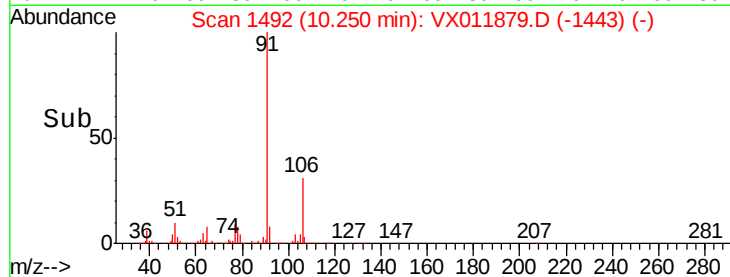
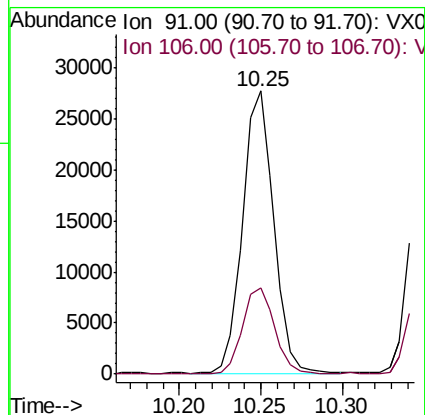
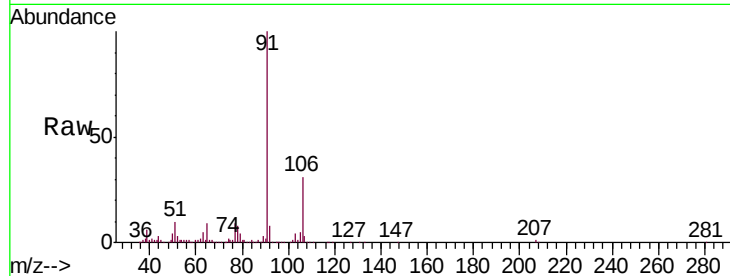
ClientSampleId :

Tot Ion: 91 Resp: 36712

Ion Ratio Lower Upper

91 100

106 30.7 25.5 38.3



#68

m/p-Xylenes

Concen: 5.536 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.00 min

Lab File: VX011879.D

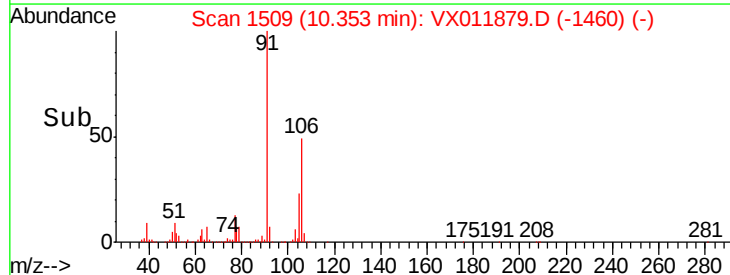
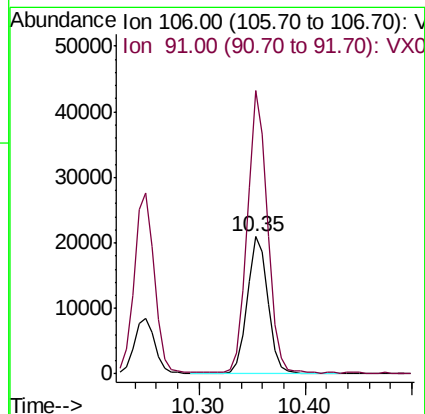
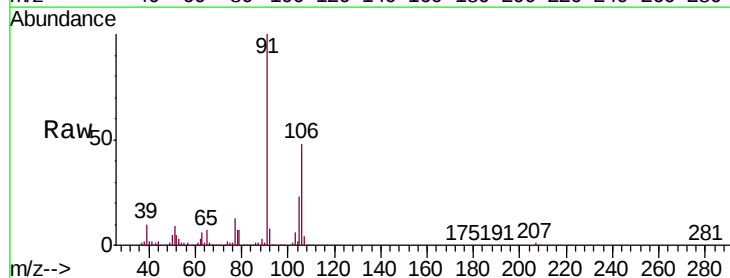
Acq: 28 Aug 2019 20:13

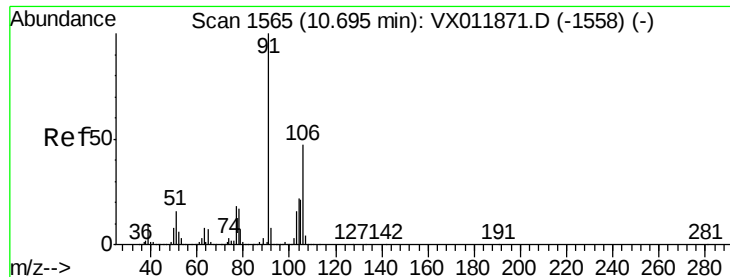
Tgt Ion: 106 Resp: 28487

Ion Ratio Lower Upper

106 100

91 200.6 158.9 238.3

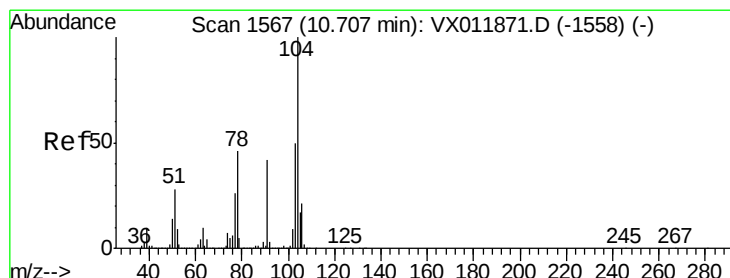
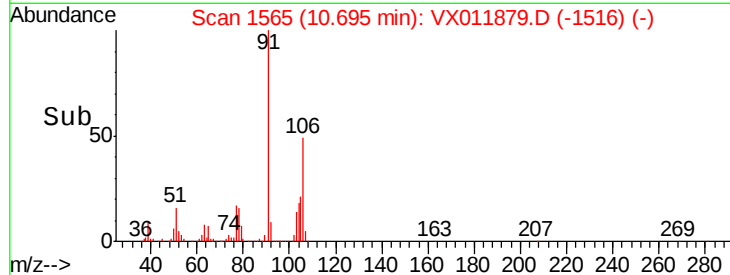
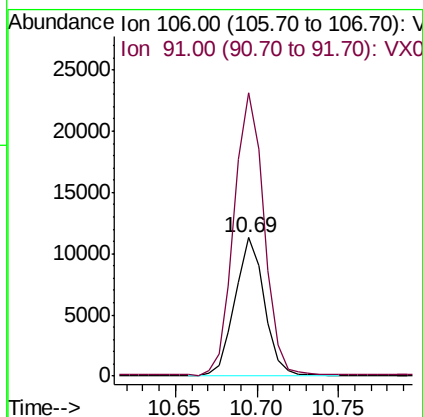
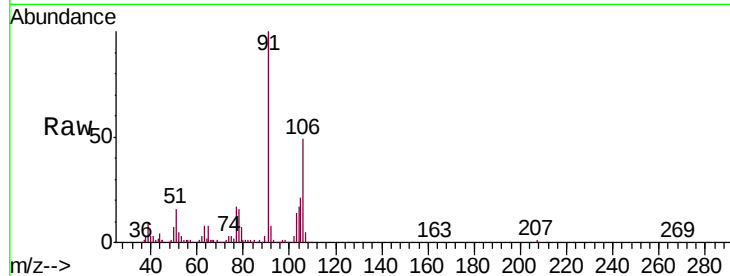




#69
o-Xylene
Concen: 2.955 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX011879.D
Acq: 28 Aug 2019 20:13

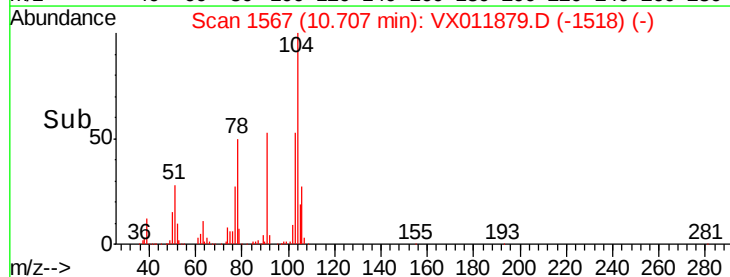
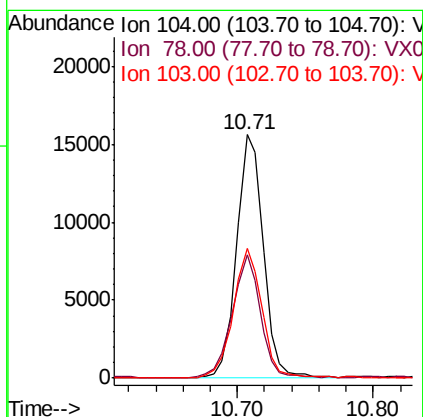
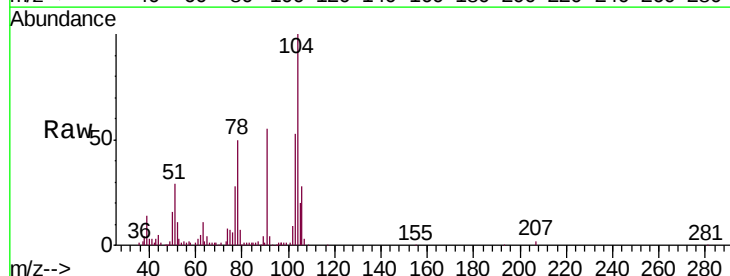
Instrument :
MSVOA_X
ClientSampled :

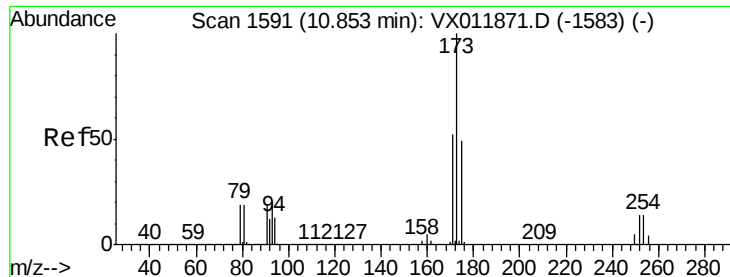
Tot Ion:106 Resp: 14306
Ion Ratio Lower Upper
106 100
91 205.3 105.6 316.8



#70
Styrene
Concen: 2.677 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX011879.D
Acq: 28 Aug 2019 20:13

Tgt Ion:104 Resp: 21433
Ion Ratio Lower Upper
104 100
78 53.6 40.4 60.6
103 57.0 43.5 65.3





#71

Bromoform

Concen: 2.344 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX011879.D

Acq: 28 Aug 2019 20:13

Instrument :

MSVOA_X

ClientSampleId :

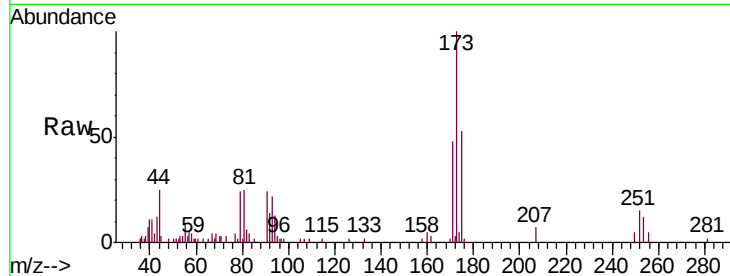
Tot Ion:173 Resp: 4384

Ion Ratio Lower Upper

173 100

175 50.8 23.8 71.2

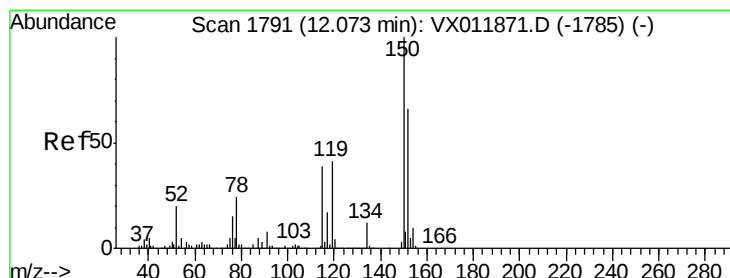
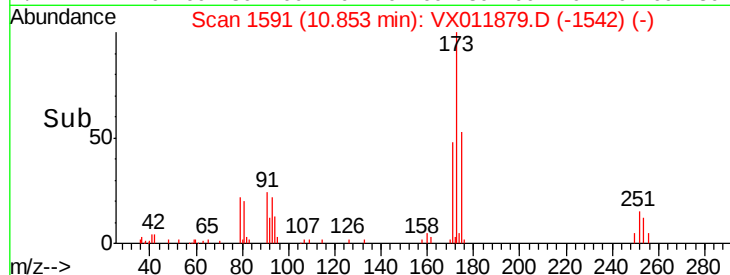
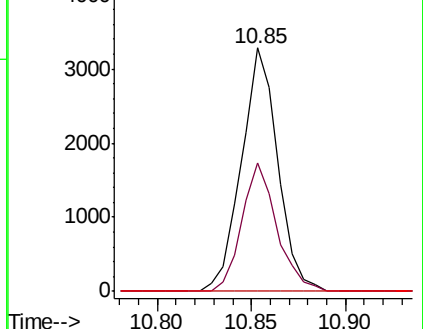
254 0.0 0.2 0.2#



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: VX011879.D

Acq: 28 Aug 2019 20:13

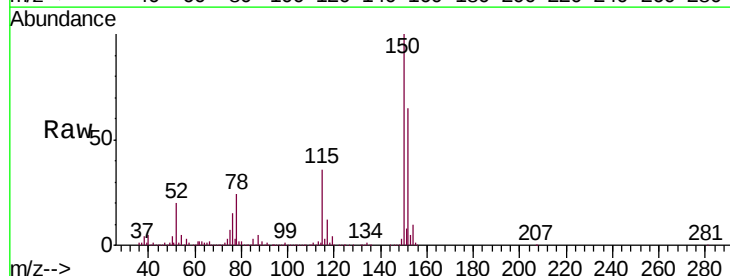
Tgt Ion:152 Resp: 231334

Ion Ratio Lower Upper

152 100

115 55.4 36.0 108.1

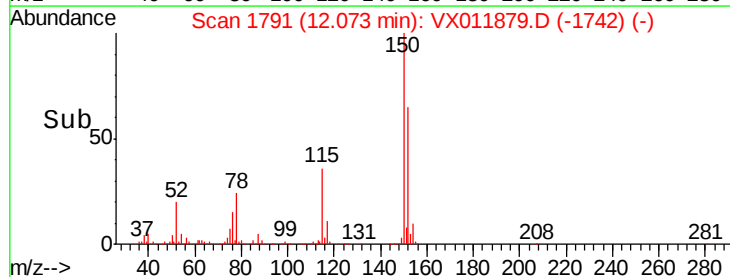
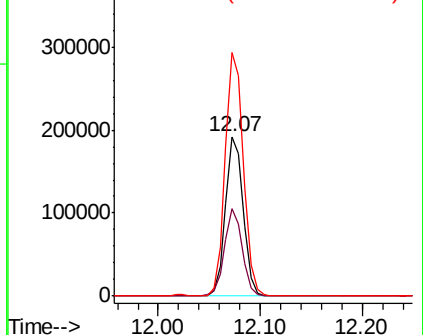
150 156.1 0.0 341.4

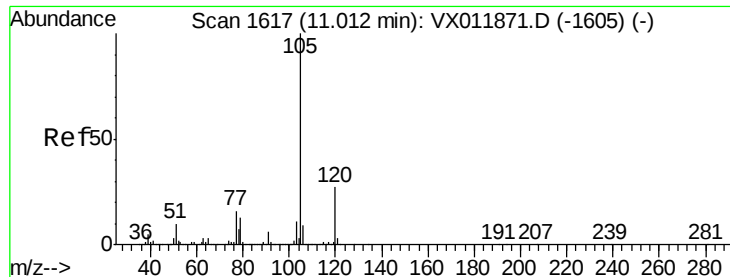


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 3.323 ug/l

RT: 11.01 min Scan# 1617

Delta R.T. -0.00 min

Lab File: VX011879.D

Acq: 28 Aug 2019 20:13

Instrument :

MSVOA_X

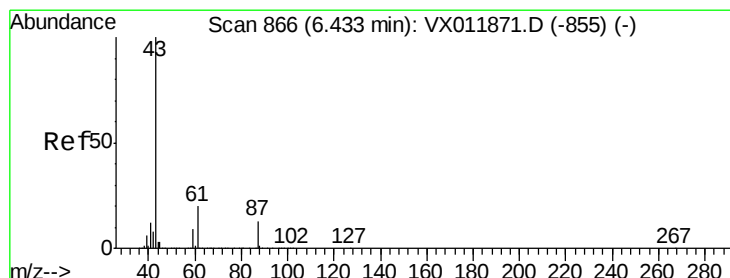
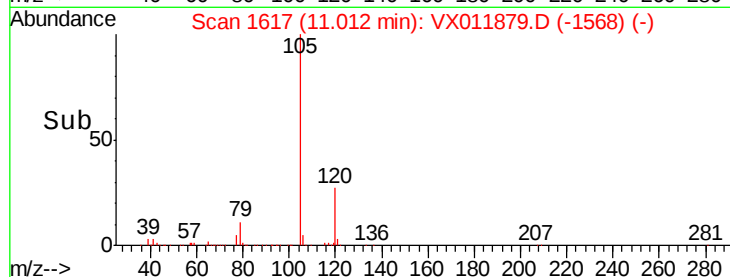
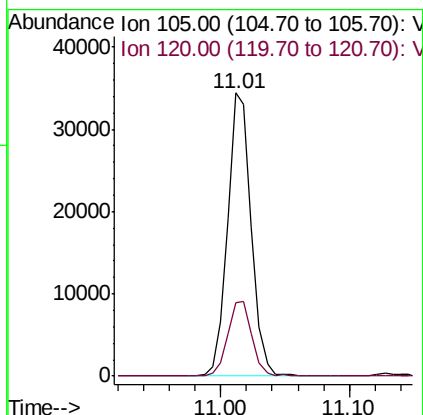
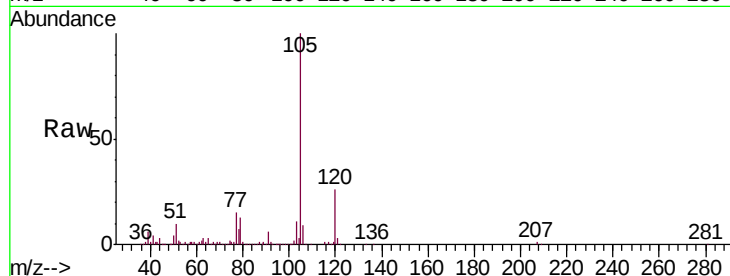
ClientSampleId :

Tot Ion:105 Resp: 44390

Ion Ratio Lower Upper

105 100

120 27.3 13.8 41.3



#74

N-ethyl acetate

Concen: 2.485 ug/l

RT: 6.44 min Scan# 867

Delta R.T. 0.01 min

Lab File: VX011879.D

Acq: 28 Aug 2019 20:13

Tgt Ion: 43 Resp: 8361

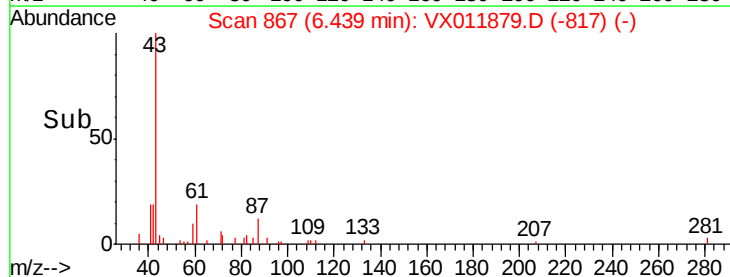
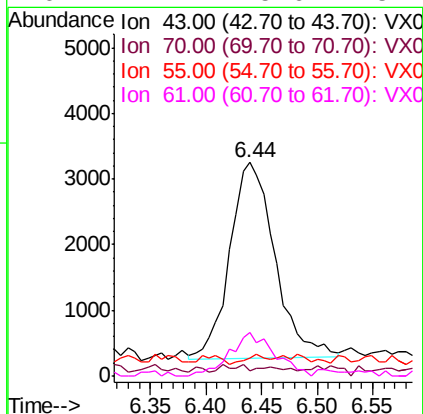
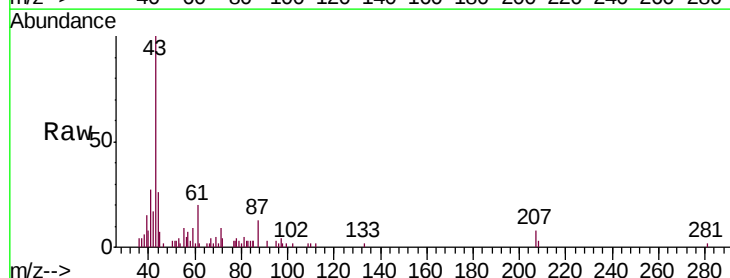
Ion Ratio Lower Upper

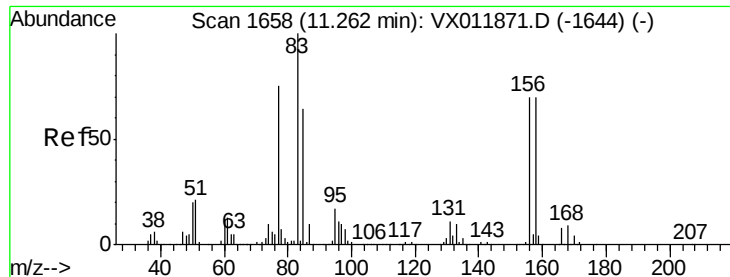
43 100

70 0.0 0.1 0.1#

55 2.5 0.1 0.1#

61 22.1 15.6 23.4





#75

1,1,2,2-Tetrachloroethane

Concen: 2.618 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.00 min

Lab File: VX011879.D

Acq: 28 Aug 2019 20:13

Instrument :

MSVOA_X

ClientSampled :

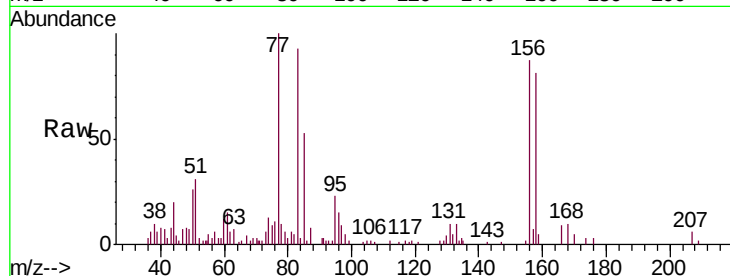
Tot Ion: 83 Resp: 5853

Ion Ratio Lower Upper

83 100

131 12.8 6.0 18.1

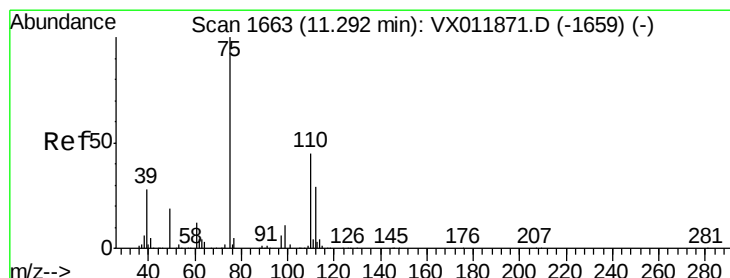
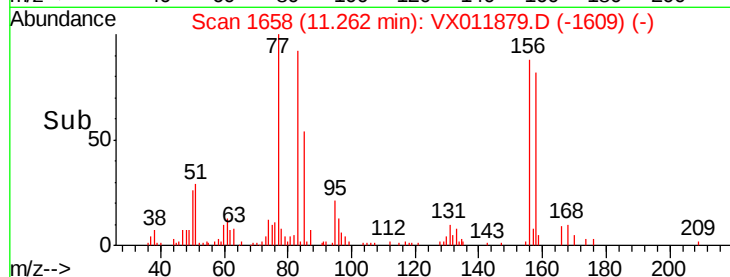
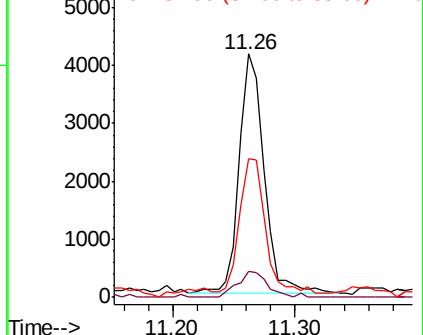
85 58.8 31.9 95.9



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: 2.708 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX011879.D

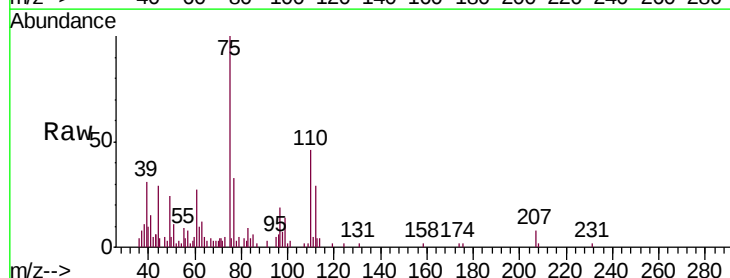
Acq: 28 Aug 2019 20:13

Tgt Ion: 75 Resp: 4812

Ion Ratio Lower Upper

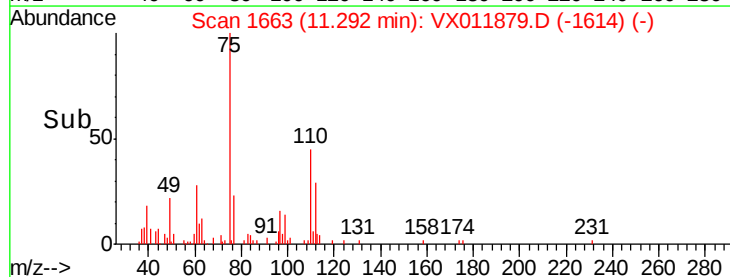
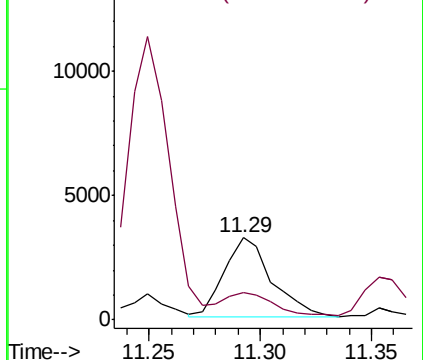
75 100

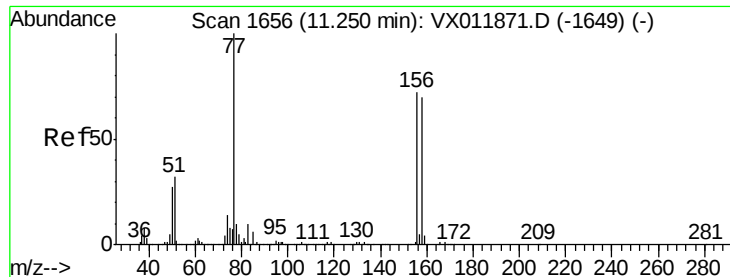
77 33.4 19.5 58.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 2.882 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.00 min

Lab File: VX011879.D

Acq: 28 Aug 2019 20:13

Instrument :

MSVOA_X

ClientSampleId :

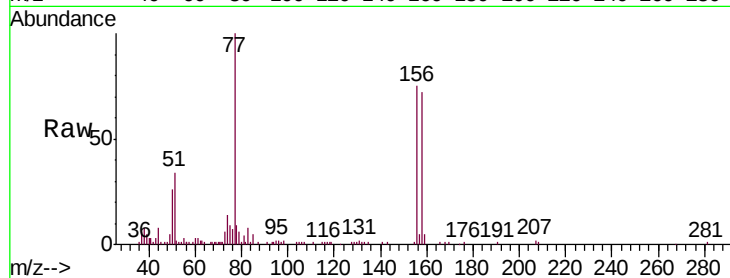
Tot Ion:156 Resp: 10733

Ion Ratio Lower Upper

156 100

77 142.2 69.4 208.2

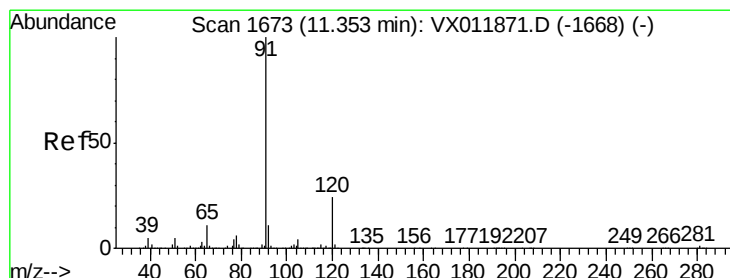
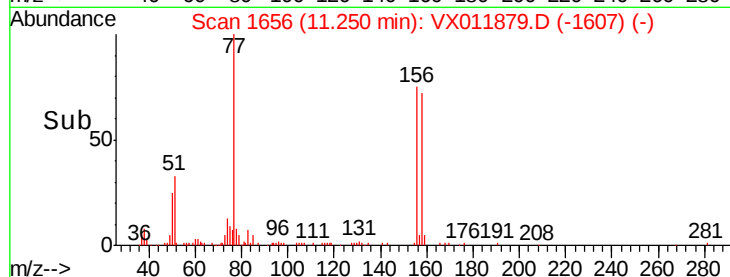
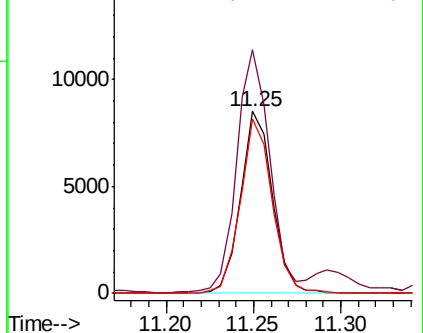
158 95.6 48.2 144.6



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: 3.479 ug/l

RT: 11.35 min Scan# 1673

Delta R.T. -0.00 min

Lab File: VX011879.D

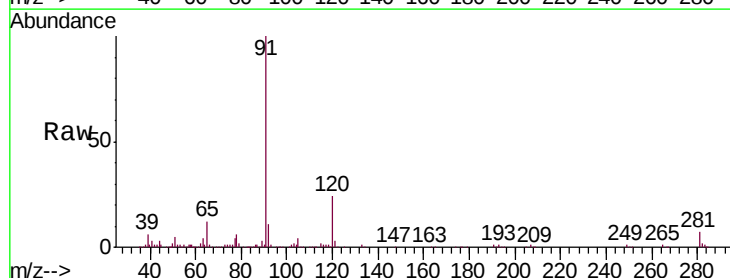
Acq: 28 Aug 2019 20:13

Tgt Ion: 91 Resp: 51126

Ion Ratio Lower Upper

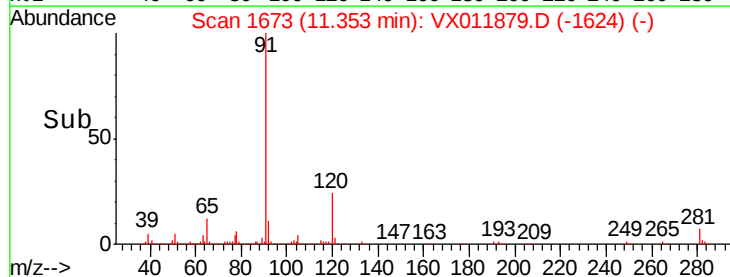
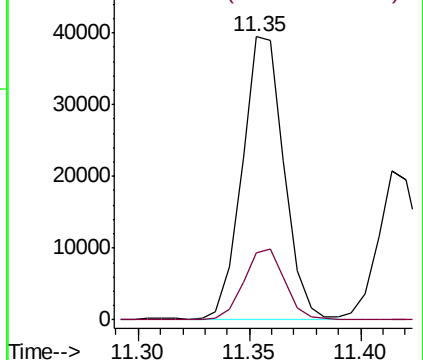
91 100

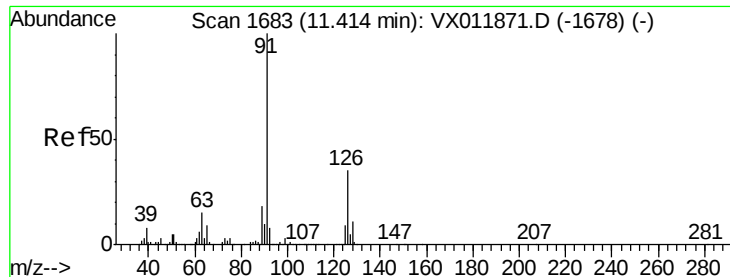
120 24.7 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 2.904 ug/l

RT: 11.41 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VX011879.D

Acq: 28 Aug 2019 20:13

Instrument :

MSVOA_X

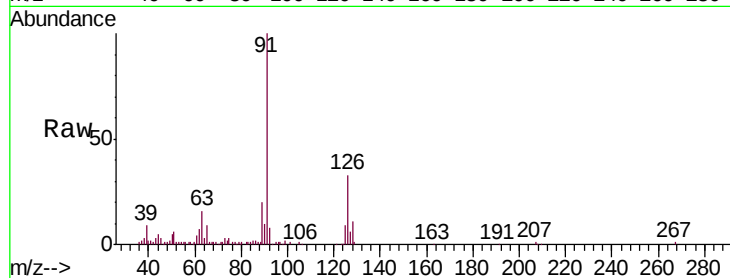
ClientSampled :

Tot Ion: 91 Resp: 26740

Ion Ratio Lower Upper

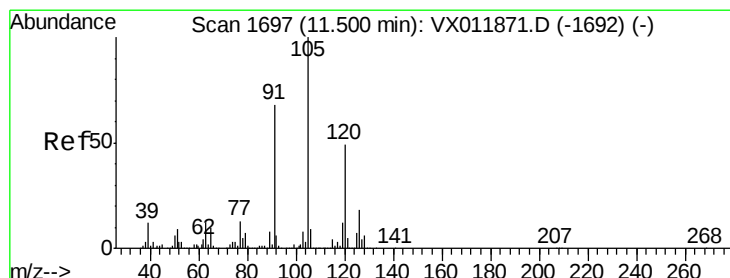
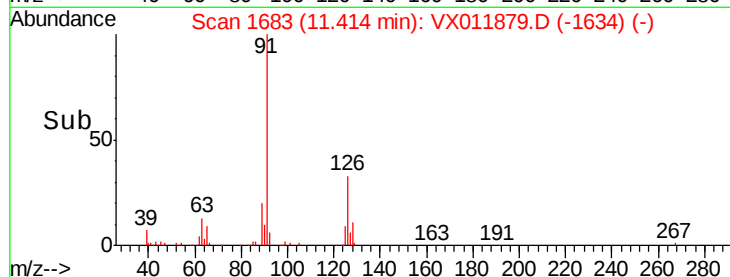
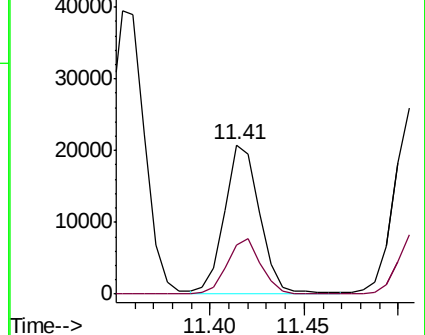
91 100

126 36.0 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VX011879.D (-1678) (-)

Ion 125.90 (125.60 to 126.60): VX011879.D (-1678) (-)



#80

1,3,5-Trimethylbenzene

Concen: 3.238 ug/l

RT: 11.50 min Scan# 1697

Delta R.T. -0.00 min

Lab File: VX011879.D

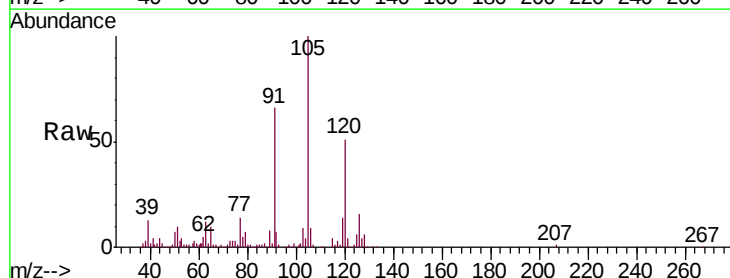
Acq: 28 Aug 2019 20:13

Tgt Ion:105 Resp: 36286

Ion Ratio Lower Upper

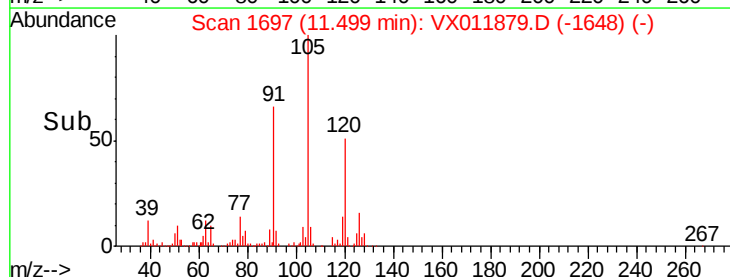
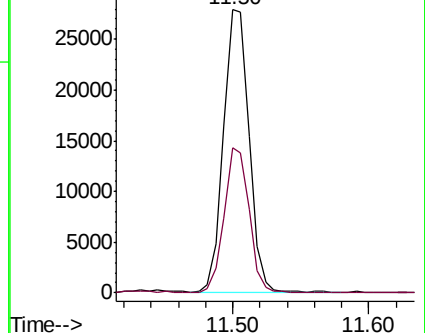
105 100

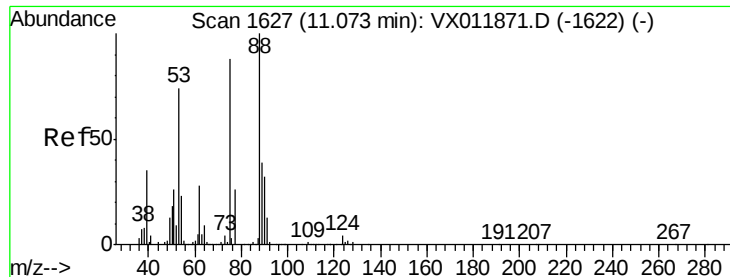
120 50.4 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): VX011879.D (-1648) (-)

Ion 120.00 (119.70 to 120.70): VX011879.D (-1648) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 203.044 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011879.D

Acq: 28 Aug 2019 20:13

Instrument :

MSVOA_X

ClientSampled :

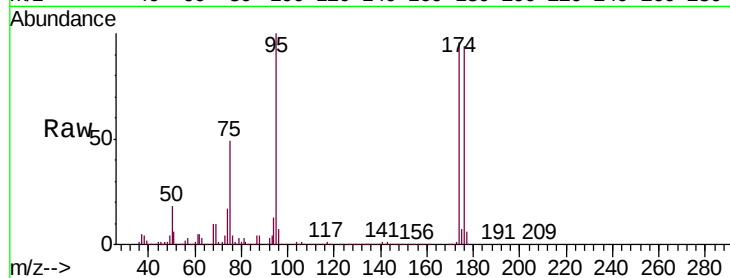
Tot Ion: 75 Resp: 98011

Ion Ratio Lower Upper

75 100

53 0.0 73.3 109.9#

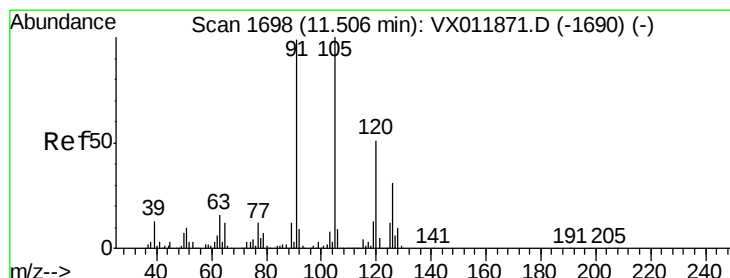
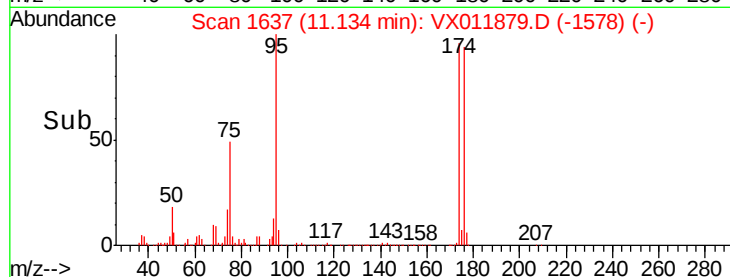
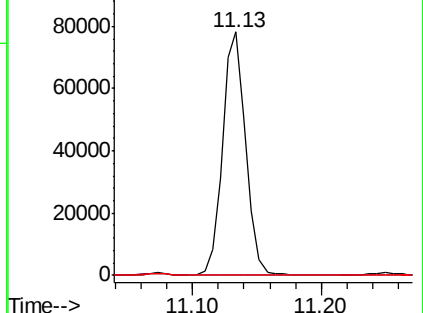
89 0.0 37.4 56.0#



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: 3.117 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX011879.D

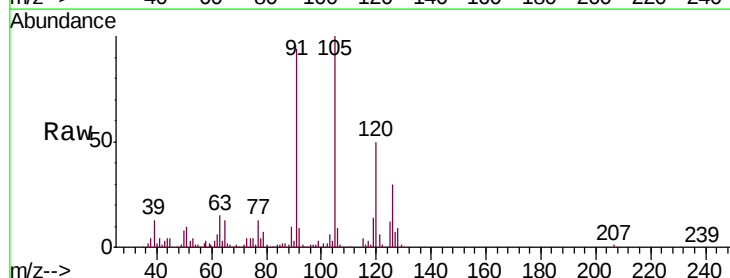
Acq: 28 Aug 2019 20:13

Tgt Ion: 91 Resp: 33279

Ion Ratio Lower Upper

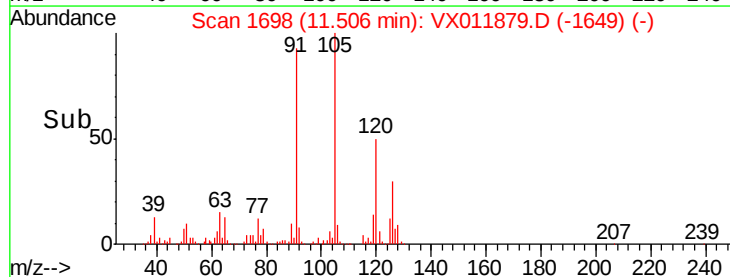
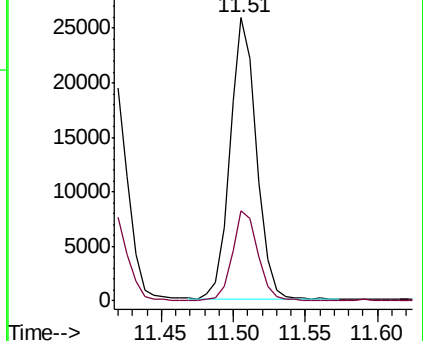
91 100

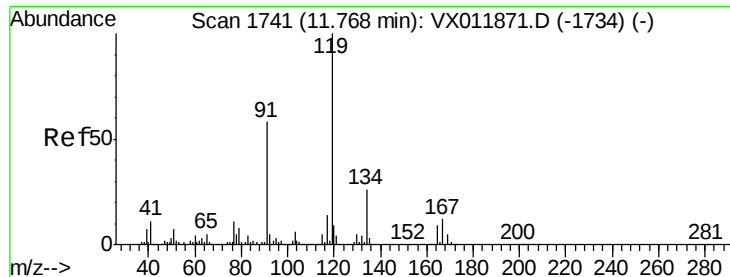
126 31.4 15.4 46.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

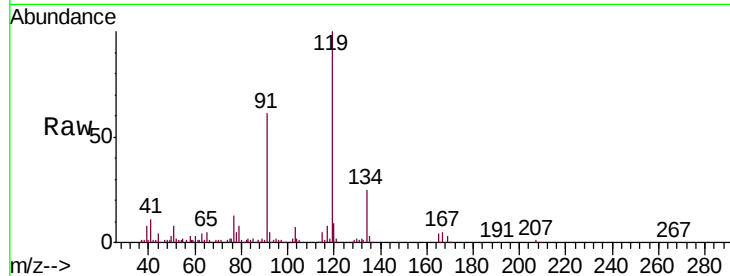




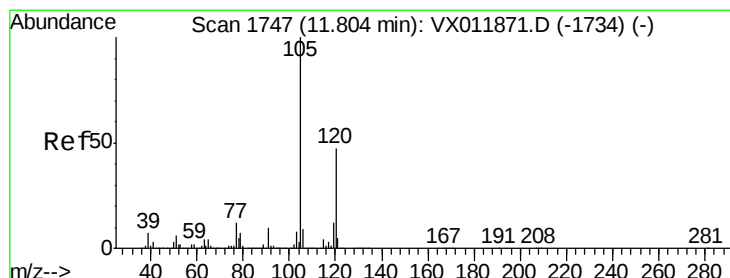
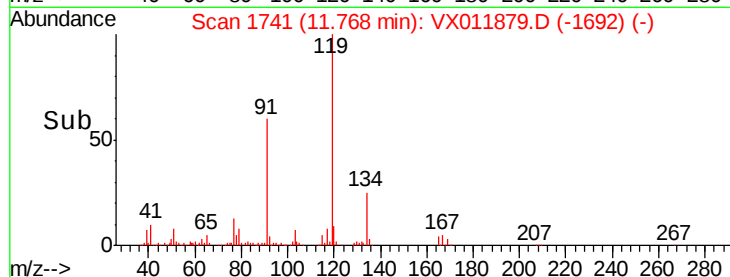
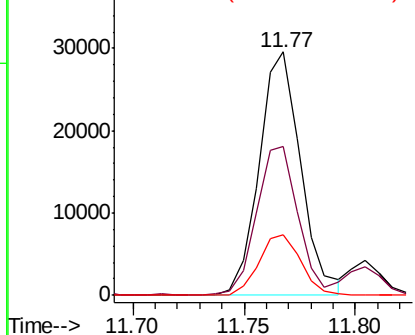
#83
tert-Butylbenzene
Concen: 3.690 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX011879.D
Acq: 28 Aug 2019 20:13

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:119 Resp: 38439
Ion Ratio Lower Upper
119 100
91 60.9 28.6 85.8
134 25.0 12.4 37.2

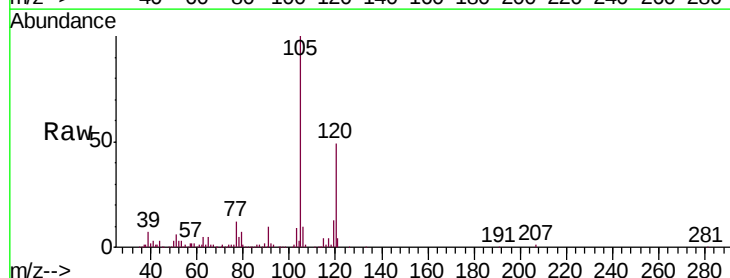


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VX0
Ion 134.00 (133.70 to 134.70): V

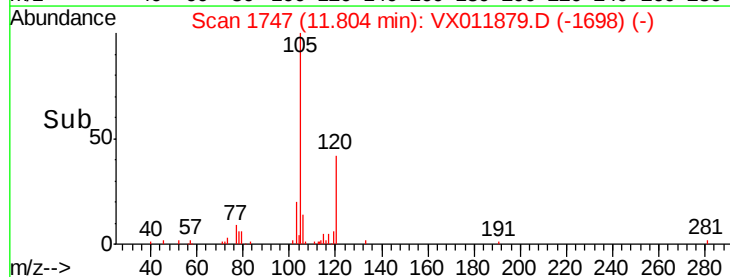
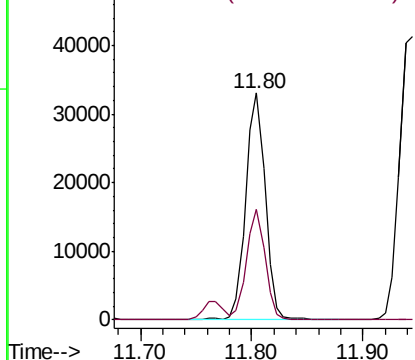


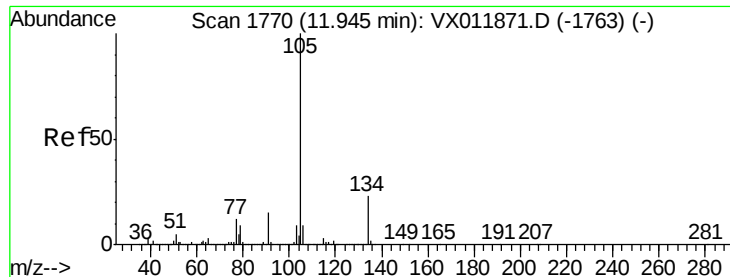
#84
1,2,4-Trimethylbenzene
Concen: 3.813 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX011879.D
Acq: 28 Aug 2019 20:13

Tgt Ion:105 Resp: 40536
Ion Ratio Lower Upper
105 100
120 46.6 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 4.319 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX011879.D

Acq: 28 Aug 2019 20:13

Instrument :

MSVOA_X

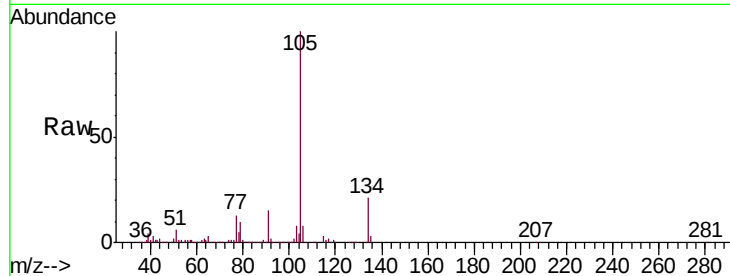
ClientSampleId :

Tot Ion:105 Resp: 52258

Ion Ratio Lower Upper

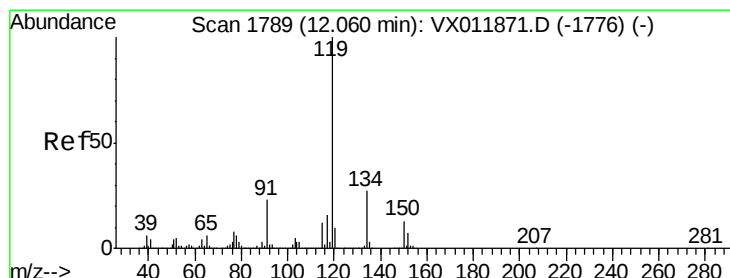
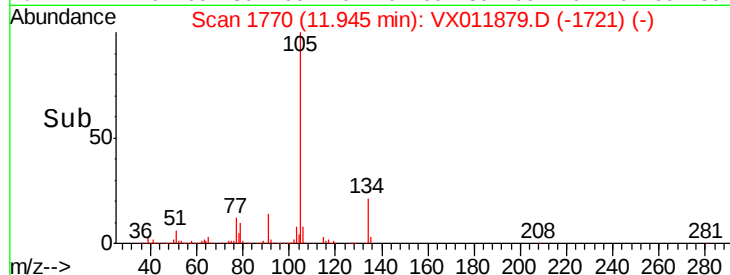
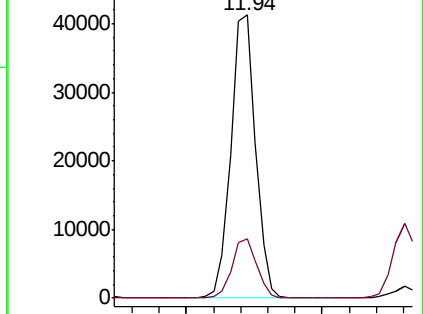
105 100

134 21.1 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: 4.454 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX011879.D

Acq: 28 Aug 2019 20:13

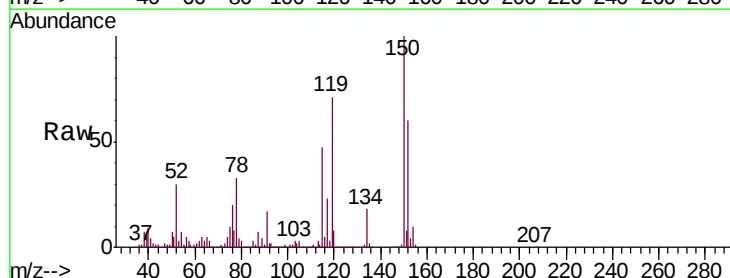
Tgt Ion:119 Resp: 49636

Ion Ratio Lower Upper

119 100

134 26.7 13.5 40.5

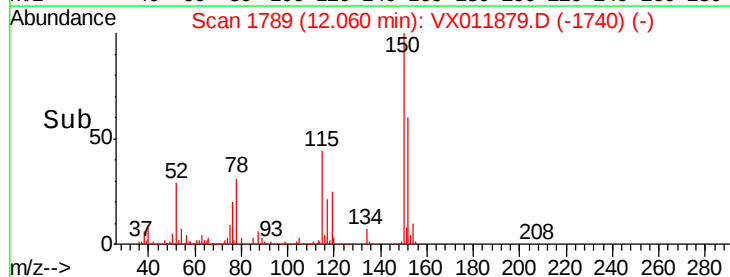
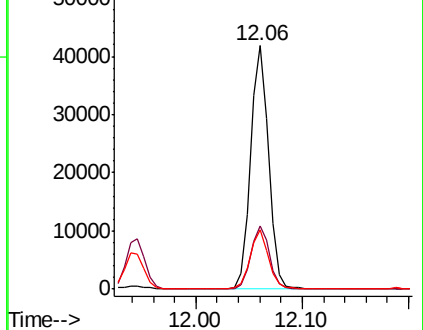
91 24.2 11.7 35.0

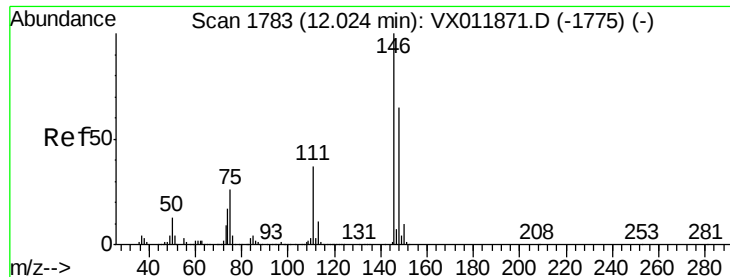


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

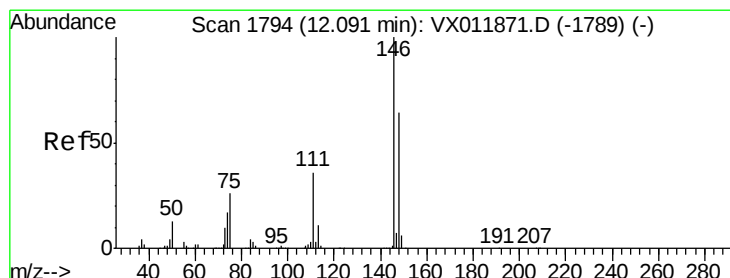
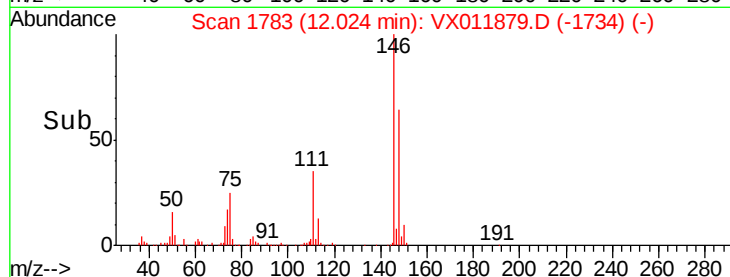
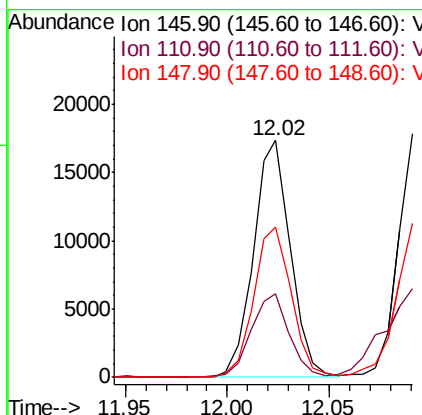
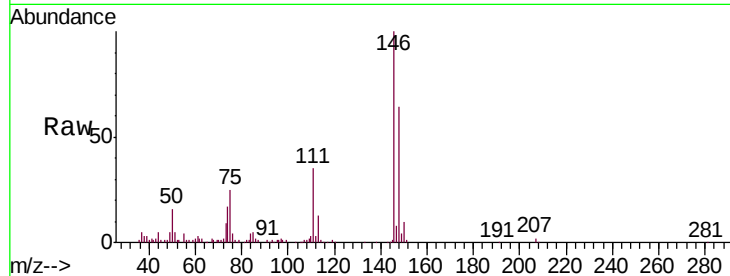




#87
 1,3-Dichlorobenzene
 Concen: 3.262 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX011879.D
 Acq: 28 Aug 2019 20:13

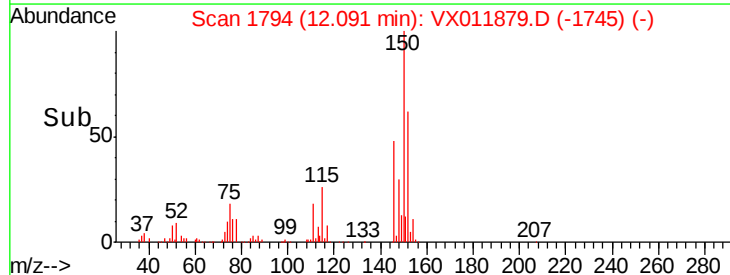
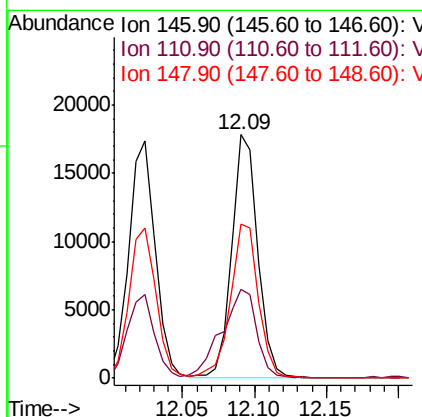
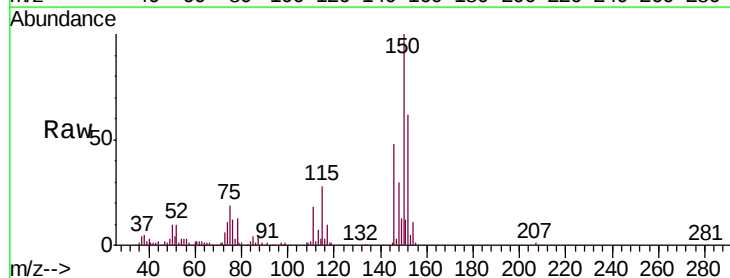
Instrument :
 MSVOA_X
 ClientSampled :

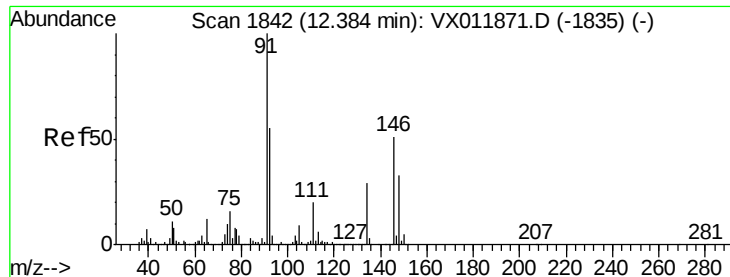
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.8	56.3
148	64.7	32.0	96.2



#88
 1,4-Dichlorobenzene
 Concen: 3.503 ug/l
 RT: 12.09 min Scan# 1794
 Delta R.T. -0.00 min
 Lab File: VX011879.D
 Acq: 28 Aug 2019 20:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	48.9	18.3	54.8
148	68.1	32.3	96.8

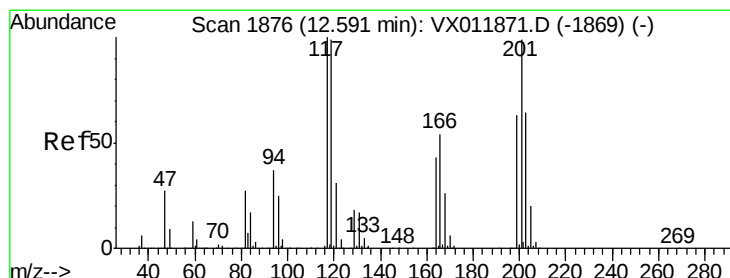
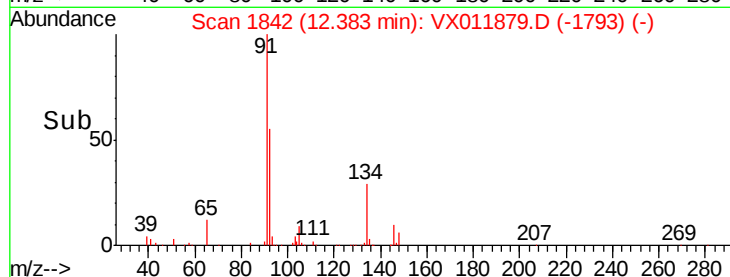
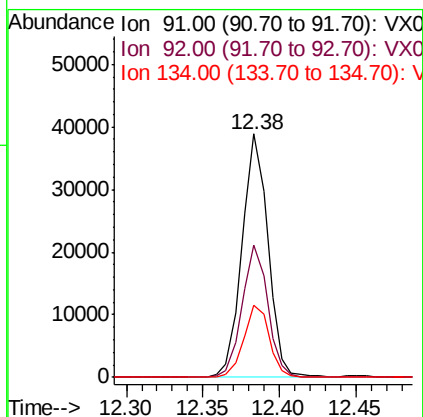
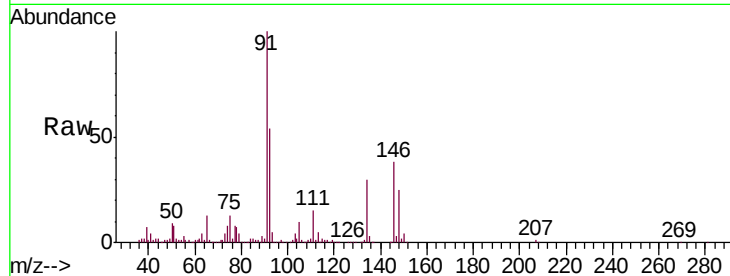




#89
n-Butylbenzene
Concen: 4.923 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX011879.D
Acq: 28 Aug 2019 20:13

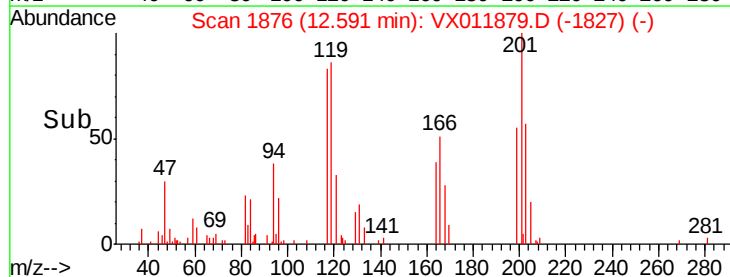
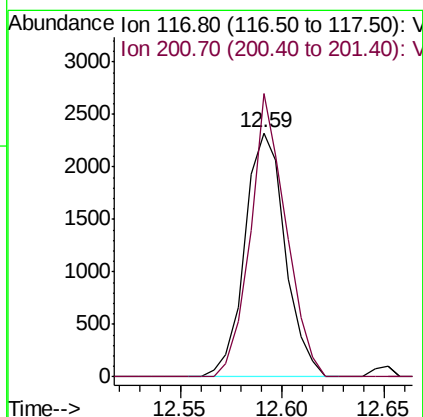
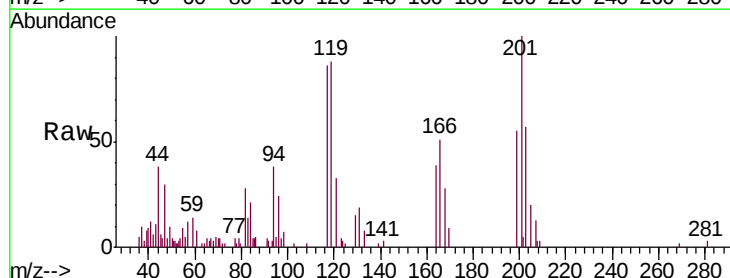
Instrument :
MSVOA_X
ClientSampled :

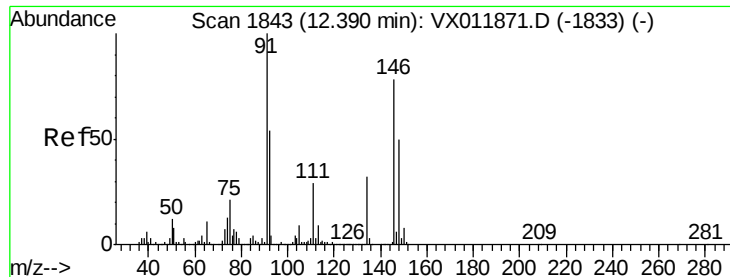
Tot Ion: 91 Resp: 45518
Ion Ratio Lower Upper
91 100
92 54.3 27.6 82.7
134 29.4 14.4 43.4



#90
Hexachloroethane
Concen: 1.787 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.00 min
Lab File: VX011879.D
Acq: 28 Aug 2019 20:13

Tgt Ion: 117 Resp: 3196
Ion Ratio Lower Upper
117 100
201 102.1 51.0 153.1





#91

1,2-Dichlorobenzene

Concen: 3.755 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX011879.D

Acq: 28 Aug 2019 20:13

Instrument :

MSVOA_X

ClientSampled :

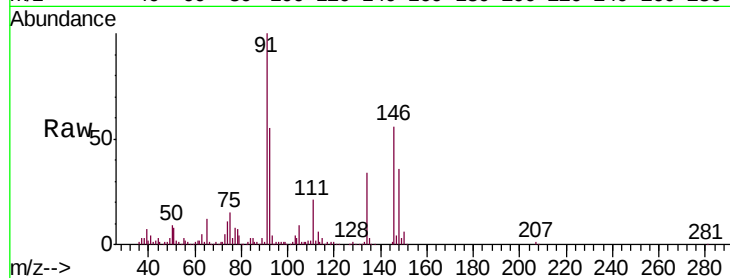
Tot Ion:146 Resp: 21436

Ion Ratio Lower Upper

146 100

111 40.2 19.3 57.9

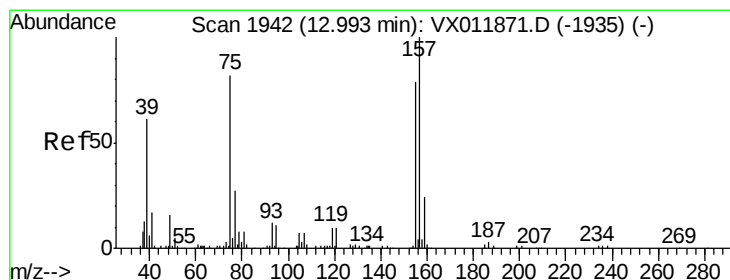
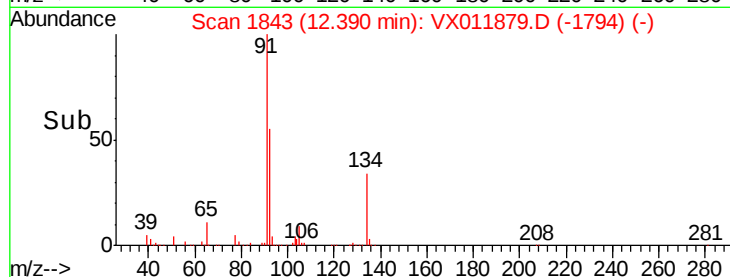
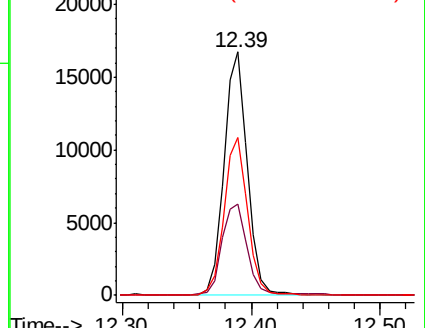
148 64.9 32.0 96.0



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: 2.930 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.01 min

Lab File: VX011879.D

Acq: 28 Aug 2019 20:13

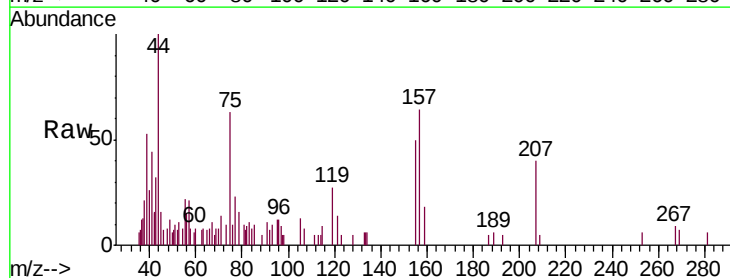
Tgt Ion: 75 Resp: 922

Ion Ratio Lower Upper

75 100

155 93.8 50.3 150.9

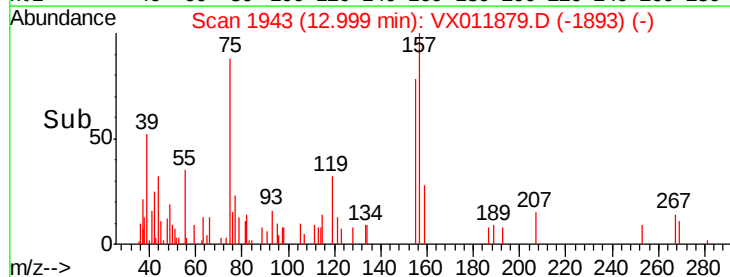
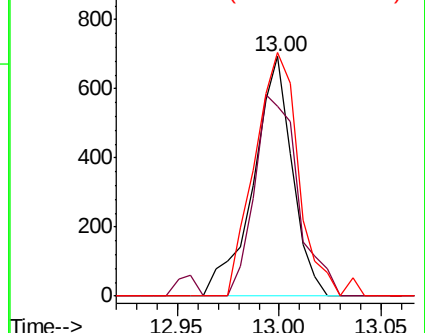
157 115.8 64.7 194.1

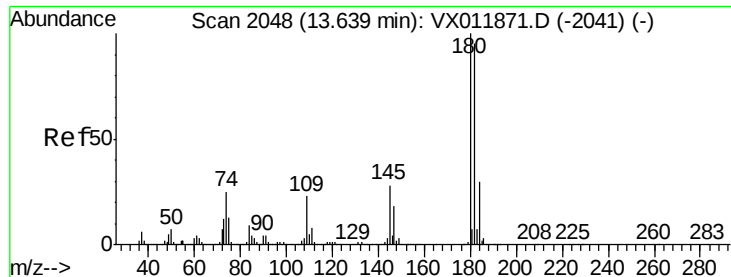


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

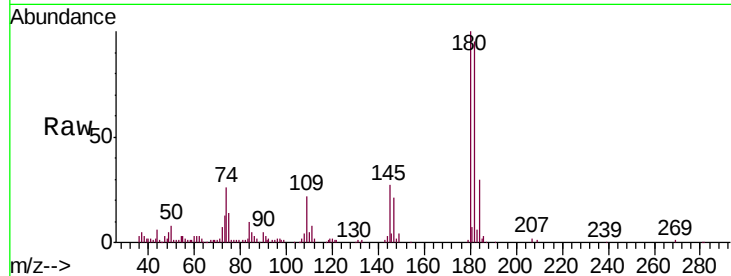




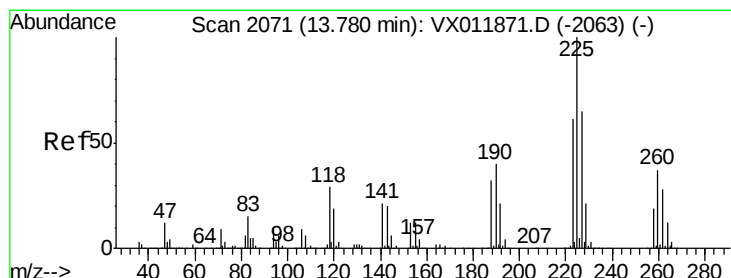
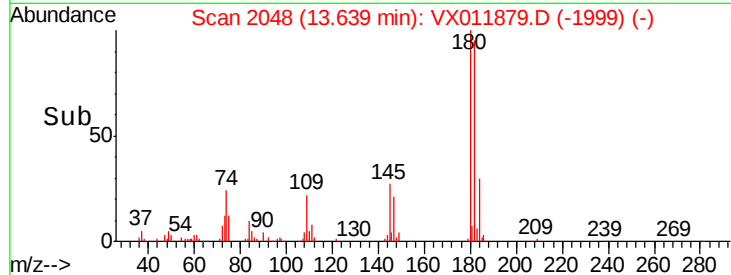
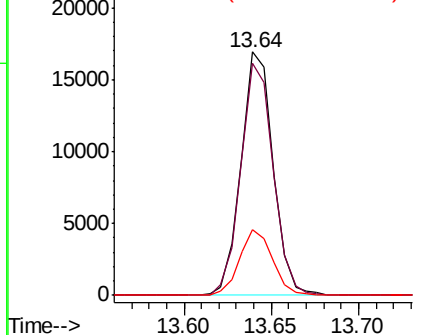
#93
 1,2,4-Trichlorobenzene
 Concen: 5.459 ug/l
 RT: 13.64 min Scan# 2048
 Delta R.T. -0.00 min
 Lab File: VX011879.D
 Acq: 28 Aug 2019 20:13

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:180 Resp: 21629
 Ion Ratio Lower Upper
 180 100
 182 96.3 47.9 143.7
 145 27.6 13.8 41.4

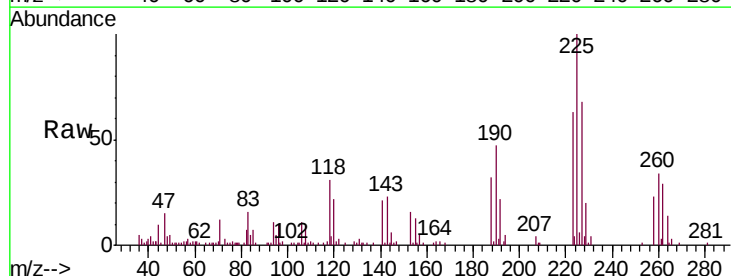


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

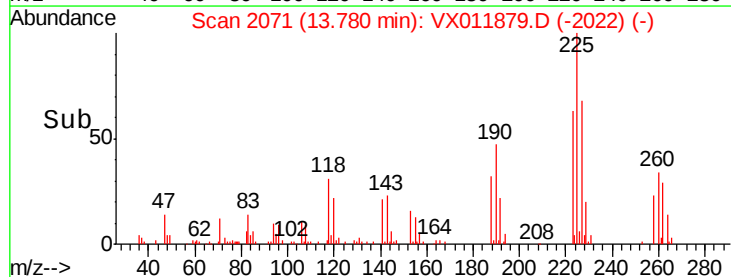
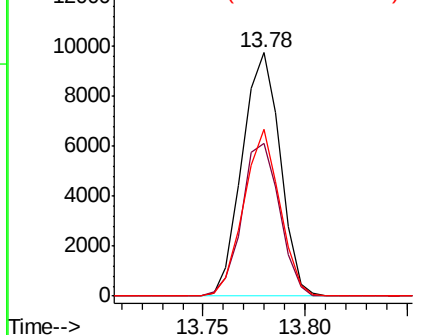


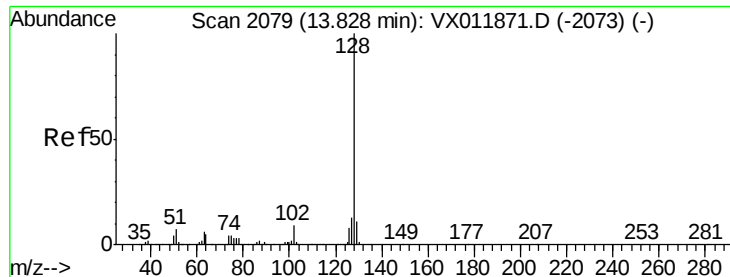
#94
 Hexachlorobutadiene
 Concen: 4.374 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX011879.D
 Acq: 28 Aug 2019 20:13

Tgt Ion:225 Resp: 12637
 Ion Ratio Lower Upper
 225 100
 223 62.5 30.9 92.8
 227 65.0 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: 7.280 ug/l

RT: 13.83 min Scan# 2079

Delta R.T. -0.00 min

Lab File: VX011879.D

Acq: 28 Aug 2019 20:13

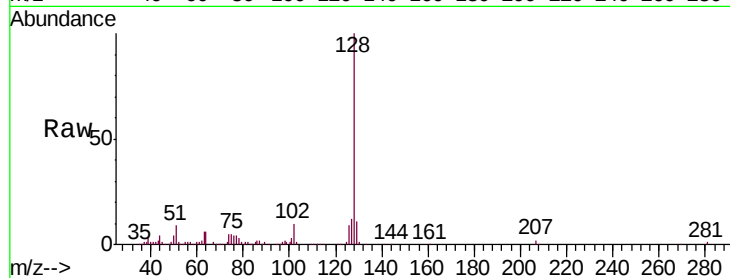
Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:128 Resp: 34680

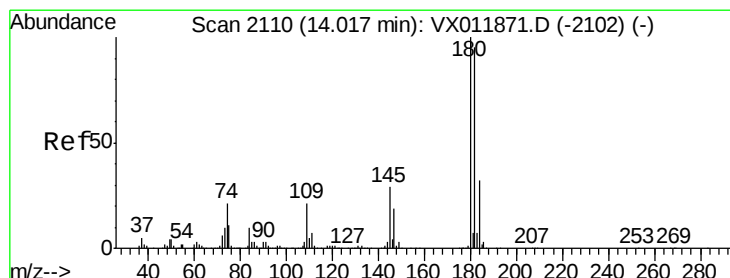
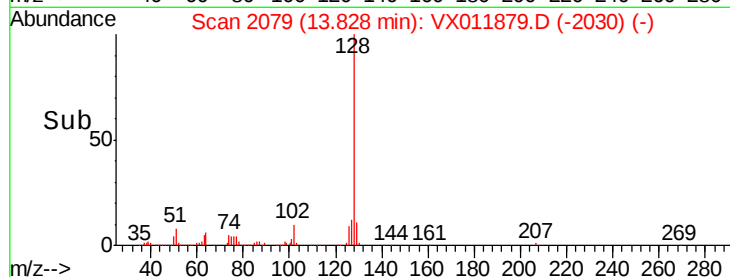
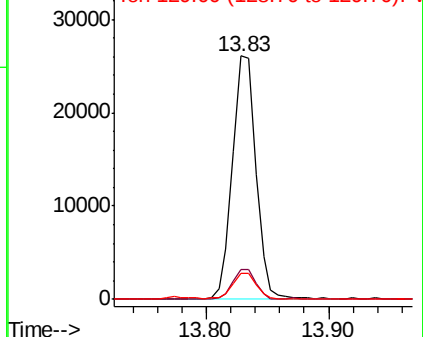
Ion	Ratio	Lower	Upper
128	100		
127	12.2	10.4	15.6
129	11.1	9.0	13.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 6.346 ug/l

RT: 14.02 min Scan# 2110

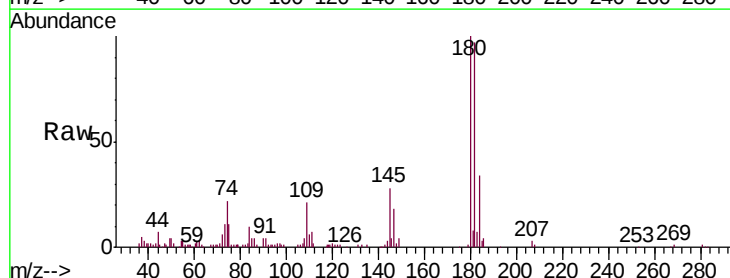
Delta R.T. -0.00 min

Lab File: VX011879.D

Acq: 28 Aug 2019 20:13

Tgt Ion:180 Resp: 20402

Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.9	143.7
145	30.5	14.9	44.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

