

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110320\
 Data File : VX019227.D
 Acq On : 03 Nov 2020 12:17
 Operator : JC/MD
 Sample : L4485-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 04 01:22:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SFAMXLM110220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 04 01:20:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.82	114	443933	50.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	414051	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.06	152	184262	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	173081	45.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.58%
7) Chloroethane-d5	1.70	69	138928	48.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.92%
11) 1,1-Dichloroethene-d2	2.34	63	232765	36.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.82%
21) 2-Butanone-d5	4.53	46	199656	102.40	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.40%
24) Chloroform-d	5.14	84	287990	46.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.54%
26) 1,2-Dichloroethane-d4	6.03	65	202415	45.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.54%
32) Benzene-d6	6.04	84	615069	47.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.70%
36) 1,2-Dichloropropane-d6	7.37	67	186615	49.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.36%
41) Toluene-d8	8.70	98	572790	43.90	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.80%
43) trans-1,3-Dichloropropene-	8.99	79	96429	47.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.82%
47) 2-Hexanone-d5	9.43	63	161131	102.78	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.78%
56) 1,1,2,2-Tetrachloroethane-	11.23	84	215523	48.14	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.28%
66) 1,2-Dichlorobenzene-d4	12.36	152	187135	50.58	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.16%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	6234	2.216 ug/L	99
3) Chloromethane	1.31	50	6507	2.276 ug/L	100
5) Vinyl chloride	1.39	62	7955	2.469 ug/L #	61
6) Bromomethane	1.64	94	5047	2.370 ug/L	98
8) Chloroethane	1.72	64	4902	2.441 ug/L	97
9) Trichlorofluoromethane	1.92	101	10628	2.223 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.37	101	7994	2.900 ug/L #	79
12) 1,1-Dichloroethene	2.36	96	7614	2.846 ug/L #	1
13) Acetone	2.43	43	5482	4.550 ug/L	98
14) Carbon disulfide	2.55	76	16541	2.049 ug/L	100
15) Methyl Acetate	2.75	43	6717	2.554 ug/L	98
16) Methylene chloride	2.84	84	7250	2.430 ug/L	94
17) trans-1,2-Dichloroethene	3.14	96	6273	2.181 ug/L	92
18) Methyl tert-butyl Ether	3.17	73	19963	2.196 ug/L	98
19) 1,1-Dichloroethane	3.67	63	10896	2.132 ug/L	98
20) cis-1,2-Dichloroethene	4.56	96	7081	2.242 ug/L	90
22) 2-Butanone	4.65	43	8626	4.533 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

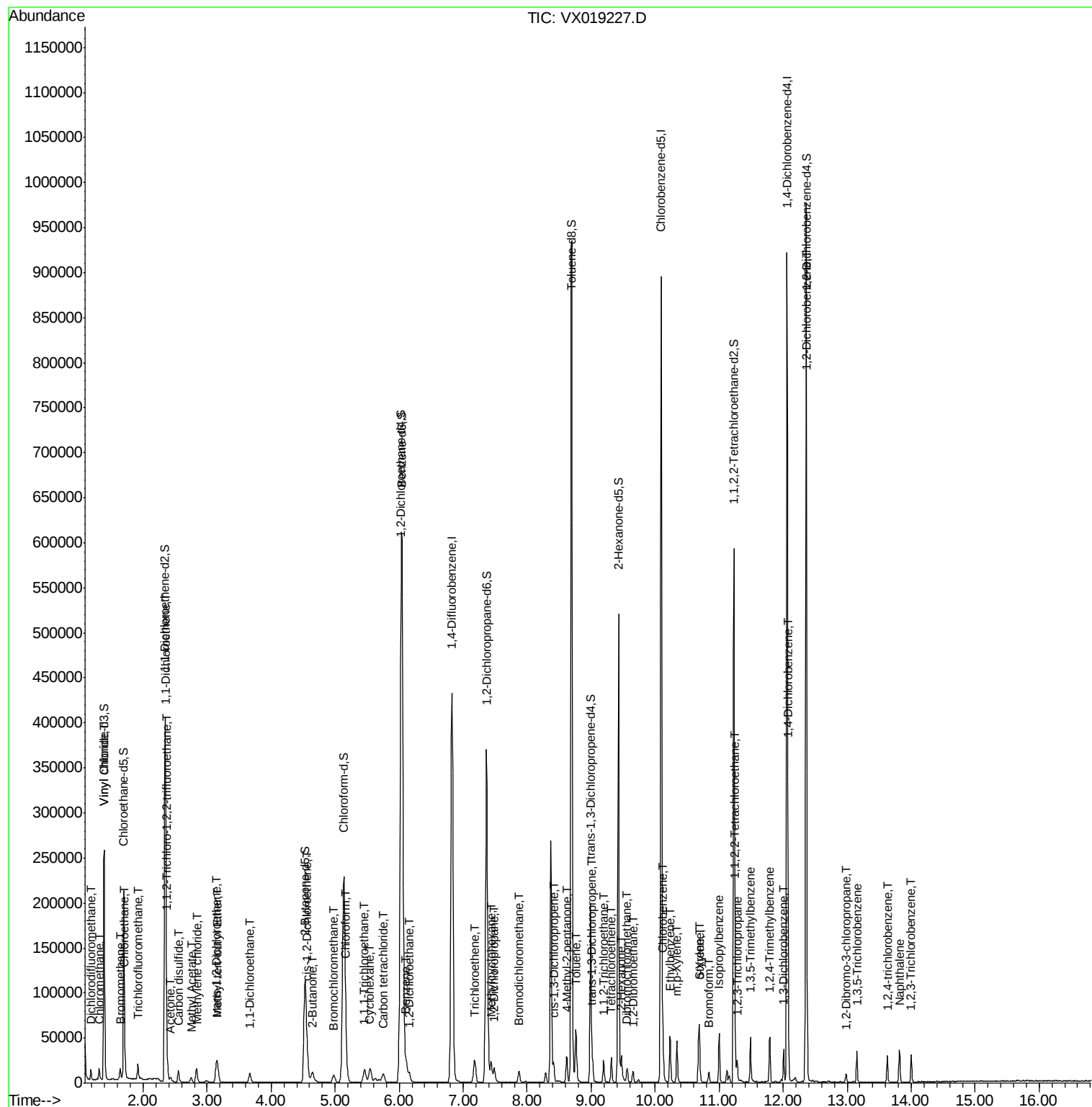
23) Bromochloromethane	4.97	128	3484	2.190	ug/L	93
25) Chloroform	5.17	83	22049	4.110	ug/L	98
27) 1,2-Dichloroethane	6.16	62	9993	2.366	ug/L #	94
29) Cyclohexane	5.55	56	10166	2.133	ug/L	100
30) 1,1,1-Trichloroethane	5.46	97	10616	2.127	ug/L	99
31) Carbon tetrachloride	5.75	117	8703	2.029	ug/L	99
33) Benzene	6.11	78	26365	2.218	ug/L	100
34) Trichloroethene	7.19	95	7040	2.170	ug/L	99
35) Methylcyclohexane	7.44	83	10646	2.073	ug/L	99
37) 1,2-Dichloropropane	7.49	63	6609	2.238	ug/L #	92
38) Bromodichloromethane	7.87	83	8470	2.063	ug/L	97
39) cis-1,3-Dichloropropene	8.41	75	10404	2.121	ug/L	98
40) 4-Methyl-2-pentanone	8.62	43	15838	4.386	ug/L	99
42) Toluene	8.76	91	35318	2.731	ug/L	99
44) trans-1,3-Dichloropropene	9.02	75	10094	2.112	ug/L	95
45) 1,1,2-Trichloroethane	9.20	97	6444	2.222	ug/L	99
46) Tetrachloroethene	9.32	164	5278	2.156	ug/L	97
48) 2-Hexanone	9.47	43	15670	5.507	ug/L	97
49) Dibromochloromethane	9.57	129	6427	2.026	ug/L	92
50) 1,2-Dibromoethane	9.65	107	6532	2.153	ug/L	96
51) Chlorobenzene	10.12	112	17672	2.198	ug/L	96
52) Ethylbenzene	10.23	91	29864	2.136	ug/L	97
53) m,p-Xylene	10.34	106	11141	2.121	ug/L	98
54) o-Xylene	10.68	106	10372	2.040	ug/L	92
55) Styrene	10.70	104	16961	1.977	ug/L	96
57) 1,1,2,2-Tetrachloroethane	11.25	83	9134	2.297	ug/L #	95
59) Bromoform	10.84	173	3816	1.912	ug/L	98
60) Isopropylbenzene	11.00	105	28123	2.249	ug/L	97
61) 1,2,3-Trichloropropane	11.28	75	7548	2.405	ug/L	99
62) 1,3,5-Trimethylbenzene	11.49	105	21924	2.131	ug/L	98
63) 1,2,4-Trimethylbenzene	11.79	105	21397	2.199	ug/L	98
64) 1,3-Dichlorobenzene	12.01	146	11924	2.209	ug/L	98
65) 1,4-Dichlorobenzene	12.08	146	12172	2.222	ug/L	97
67) 1,2-Dichlorobenzene	12.37	146	12012	2.298	ug/L	95
68) 1,2-Dibromo-3-chloropropan	12.98	75	1771	2.072	ug/L	93
69) 1,3,5-Trichlorobenzene	13.15	180	7895	2.088	ug/L	96
70) 1,2,4-trichlorobenzene	13.63	180	7047	2.022	ug/L	98
71) Naphthalene	13.82	128	20823	1.848	ug/L	99
72) 1,2,3-Trichlorobenzene	14.01	180	6688	1.961	ug/L	97

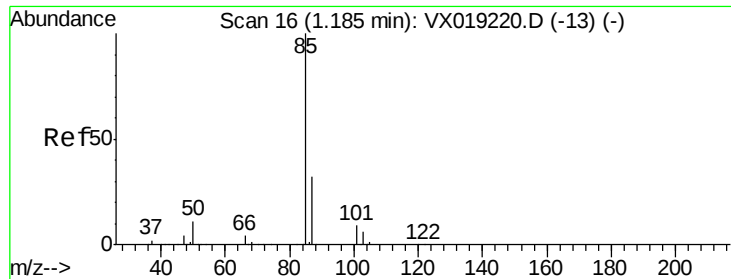
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 2.216 ug/L

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX019227.D

Acq: 03 Nov 2020 12:17

Instrument :

MSVOA_X

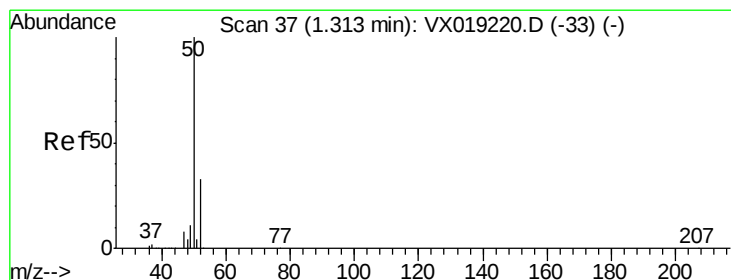
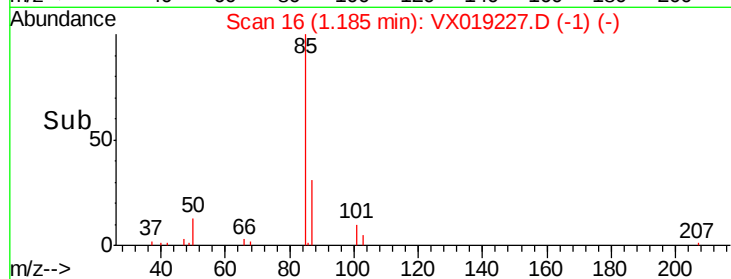
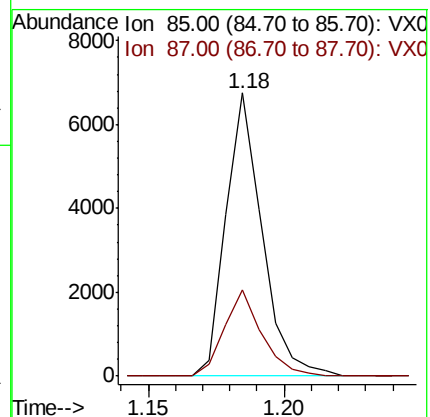
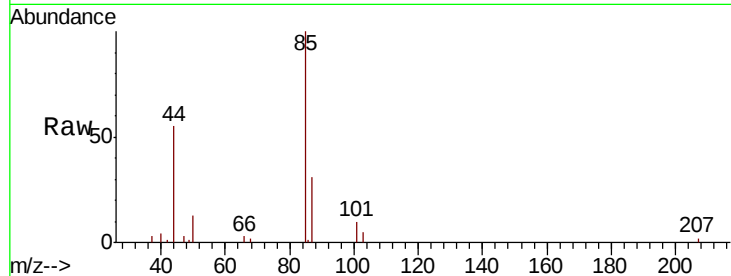
ClientSampleId :

Tot Ion: 85 Resp: 6234

Ion Ratio Lower Upper

85 100

87 31.8 25.8 38.8



#3

Chloromethane

Concen: 2.276 ug/L

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX019227.D

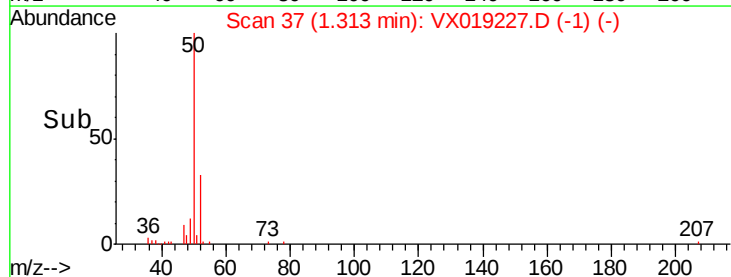
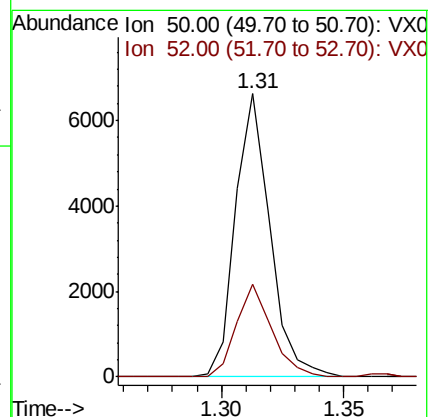
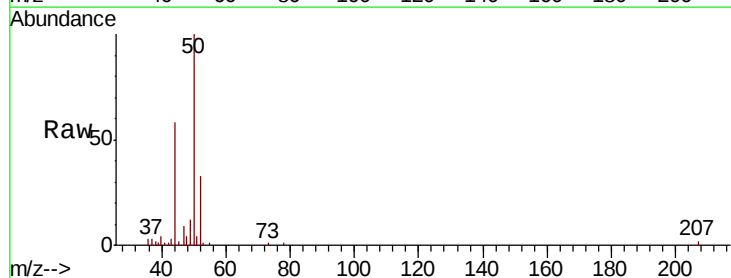
Acq: 03 Nov 2020 12:17

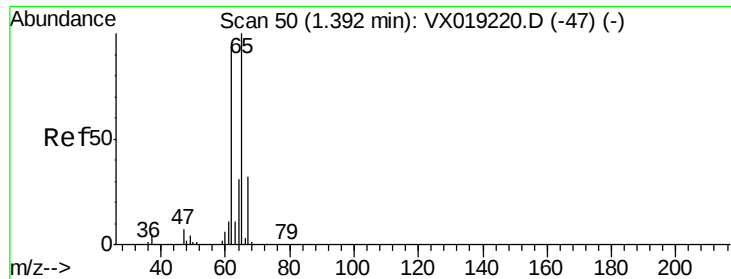
Tgt Ion: 50 Resp: 6507

Ion Ratio Lower Upper

50 100

52 32.7 22.8 42.4





#5

Vinyl chloride

Concen: 2.469 ug/L

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX019227.D

Acq: 03 Nov 2020 12:17

Instrument :

MSVOA_X

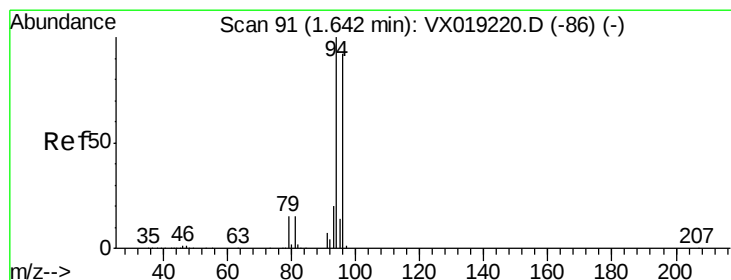
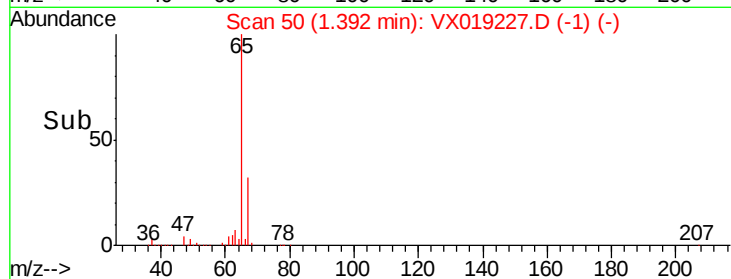
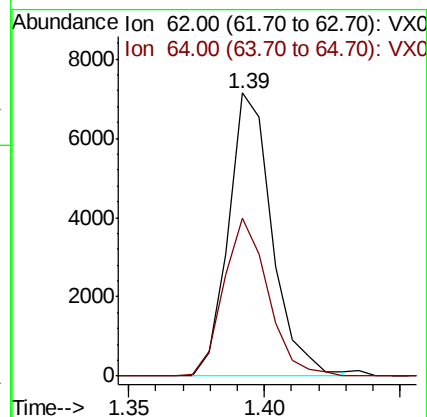
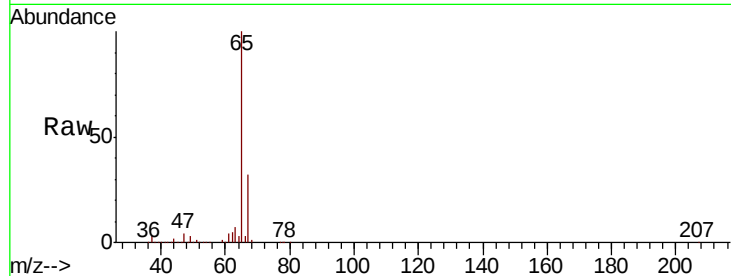
ClientSampleId :

Tot Ion: 62 Resp: 7955

Ion Ratio Lower Upper

62 100

64 55.7 23.4 43.6#



#6

Bromomethane

Concen: 2.370 ug/L

RT: 1.64 min Scan# 91

Delta R.T. 0.00 min

Lab File: VX019227.D

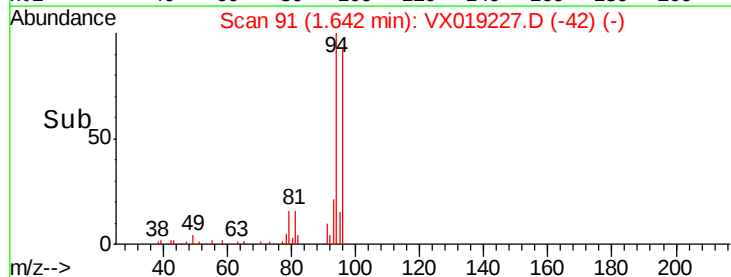
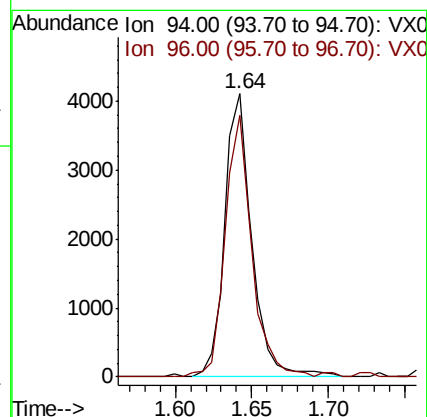
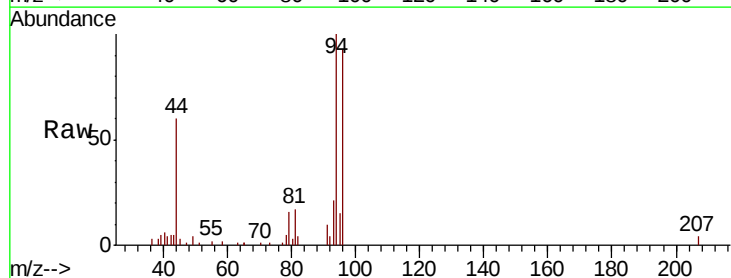
Acq: 03 Nov 2020 12:17

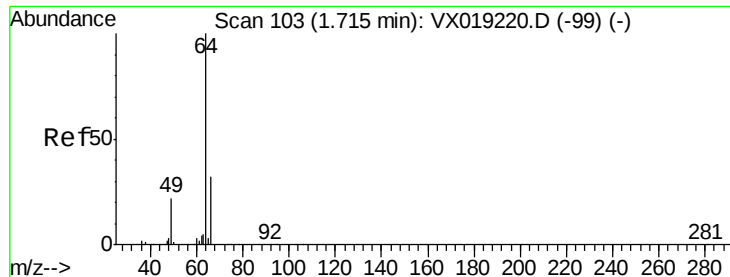
Tgt Ion: 94 Resp: 5047

Ion Ratio Lower Upper

94 100

96 92.6 66.0 122.6





#8

Chloroethane

Concen: 2.441 ug/L

RT: 1.72 min Scan# 103

Delta R.T. 0.00 min

Lab File: VX019227.D

Acq: 03 Nov 2020 12:17

Instrument :

MSVOA_X

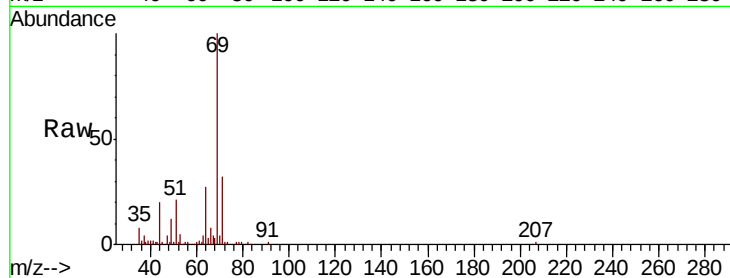
ClientSampleId :

Tot Ion: 64 Resp: 4902

Ion Ratio Lower Upper

64 100

66 30.8 22.5 41.9



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0

1.72

4000

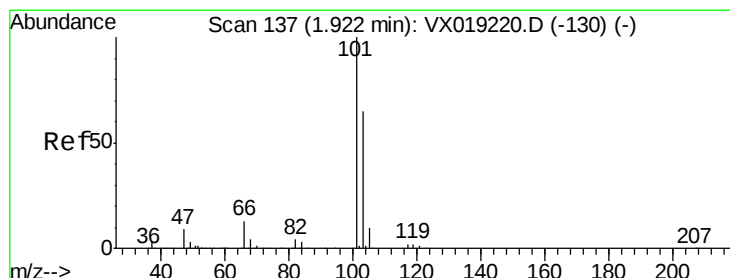
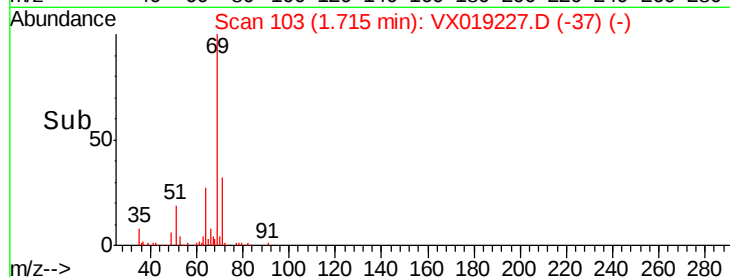
3000

2000

1000

0

Time-->



#9

Trichlorofluoromethane

Concen: 2.223 ug/L

RT: 1.92 min Scan# 136

Delta R.T. -0.01 min

Lab File: VX019227.D

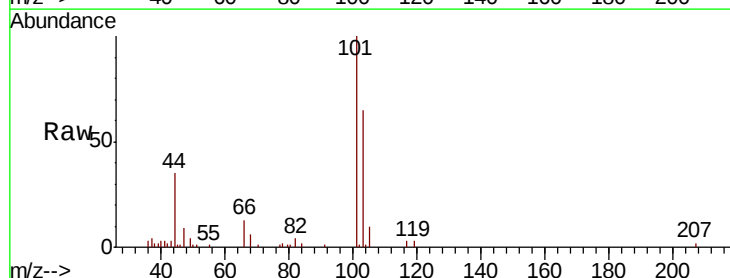
Acq: 03 Nov 2020 12:17

Tgt Ion: 101 Resp: 10628

Ion Ratio Lower Upper

101 100

103 66.3 51.3 76.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

1.92

8000

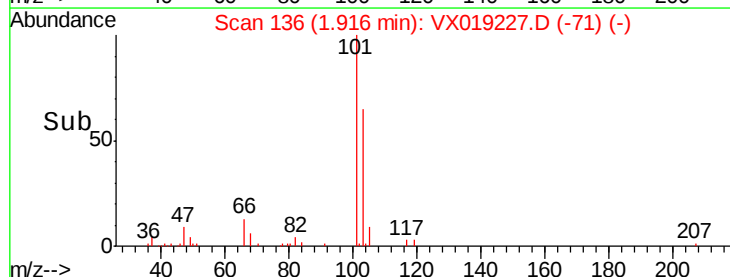
6000

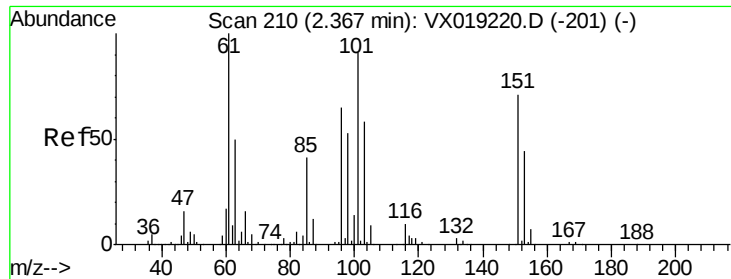
4000

2000

0

Time-->





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 2.900 ug/L

RT: 2.37 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX019227.D

Acq: 03 Nov 2020 12:17

Instrument :

MSVOA_X

ClientSampleId :

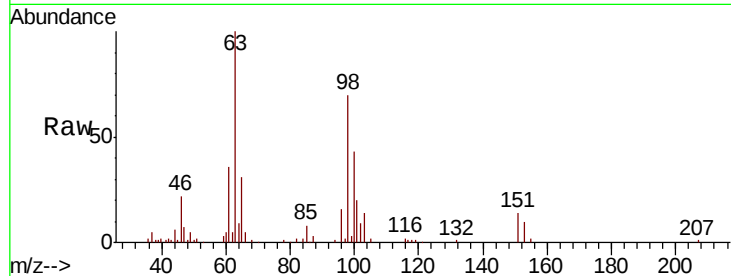
Tot Ion:101 Resp: 7994

Ion Ratio Lower Upper

101 100

85 33.5 35.0 52.4#

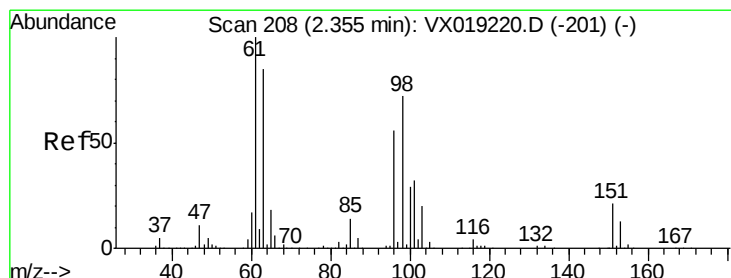
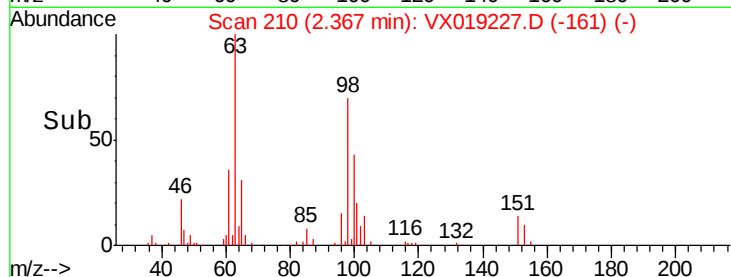
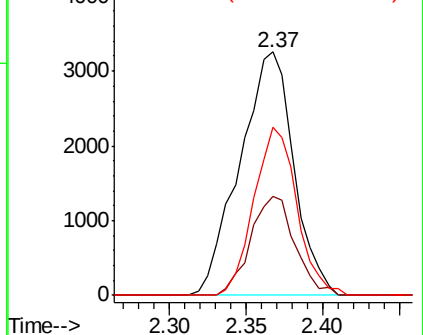
151 55.0 59.9 89.9#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VX0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 2.846 ug/L

RT: 2.36 min Scan# 208

Delta R.T. -0.00 min

Lab File: VX019227.D

Acq: 03 Nov 2020 12:17

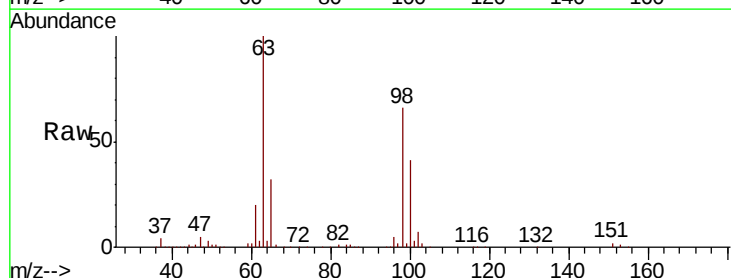
Tgt Ion: 96 Resp: 7614

Ion Ratio Lower Upper

96 100

61 398.4 115.1 213.8#

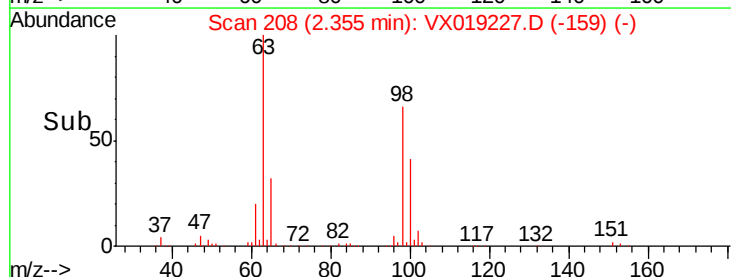
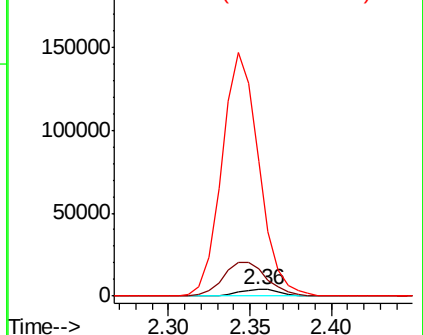
63 2002.3 78.3 145.5#

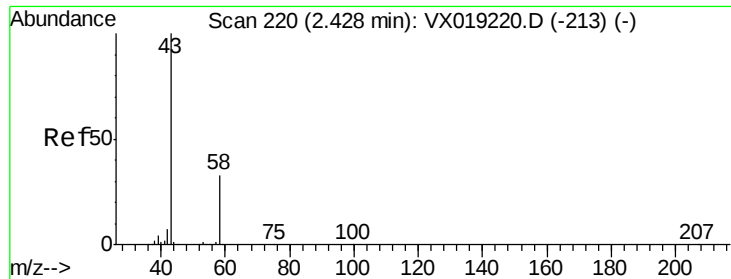


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 63.00 (62.70 to 63.70): VX0





#13

Acetone

Concen: 4.550 ug/L

RT: 2.43 min Scan# 220

Delta R.T. 0.00 min

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MSVOA_X

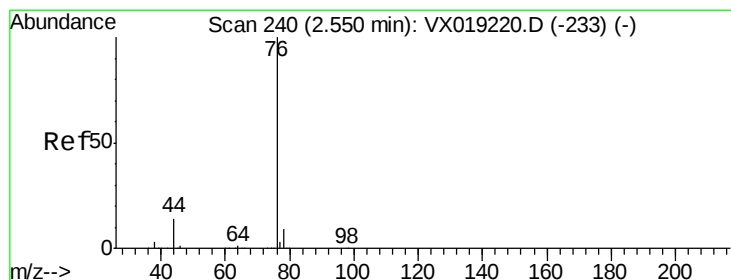
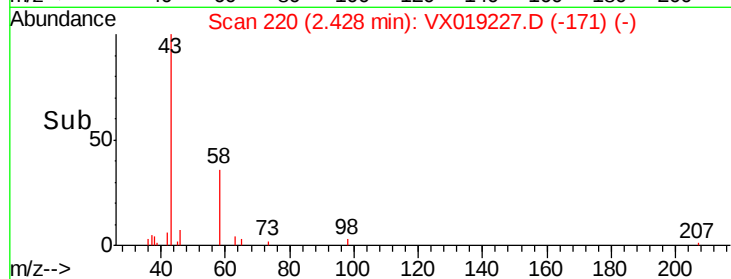
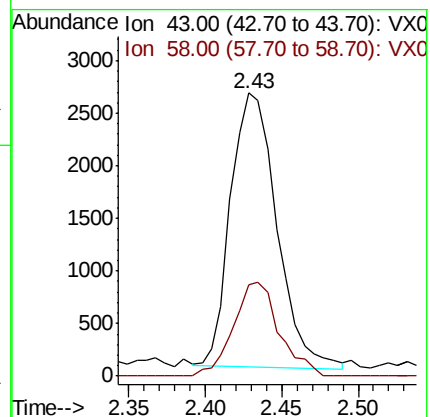
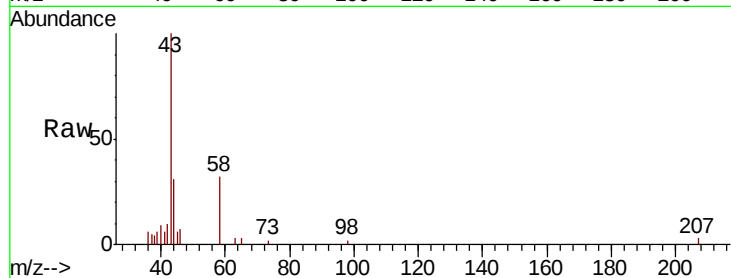
ClientSampled :

Tot Ion: 43 Resp: 5482

Ion Ratio Lower Upper

43 100

58 33.6 0.0 64.6



#14

Carbon disulfide

Concen: 2.049 ug/L

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX019227.D

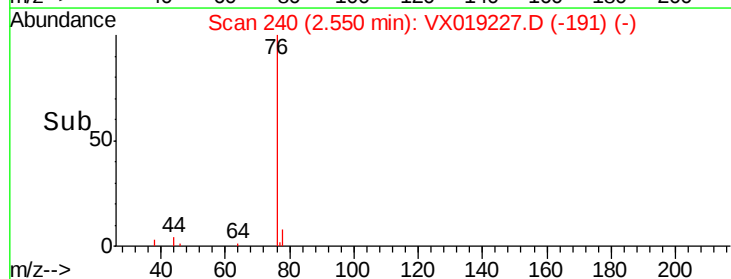
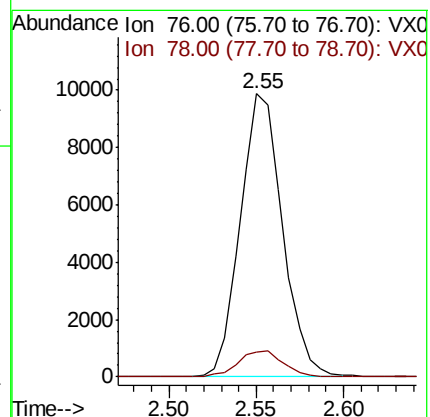
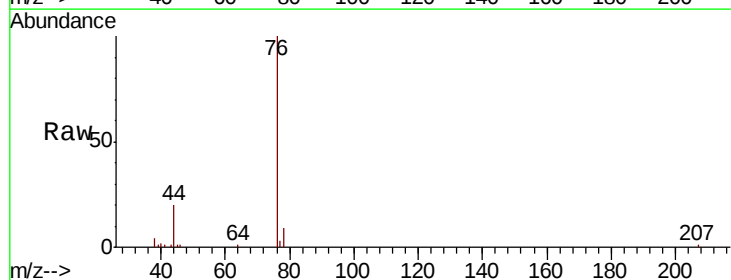
Acq: 03 Nov 2020 12:17

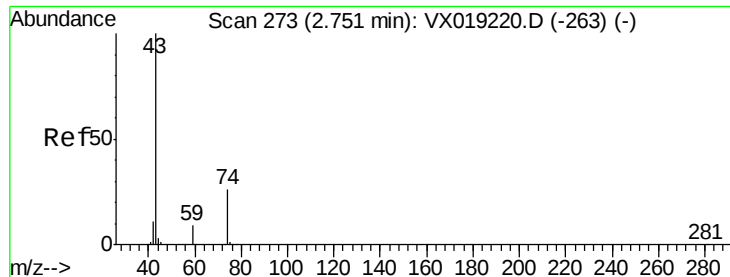
Tgt Ion: 76 Resp: 16541

Ion Ratio Lower Upper

76 100

78 8.9 7.1 10.7

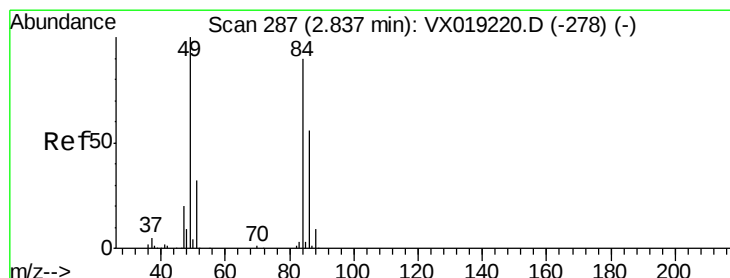
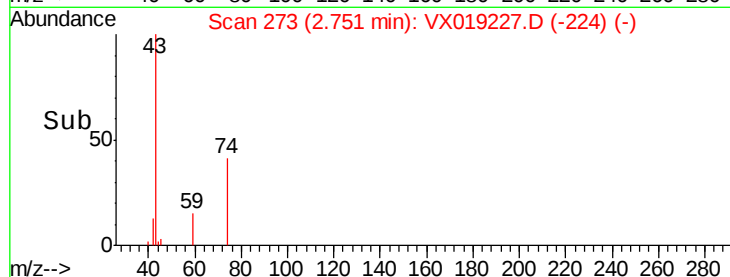
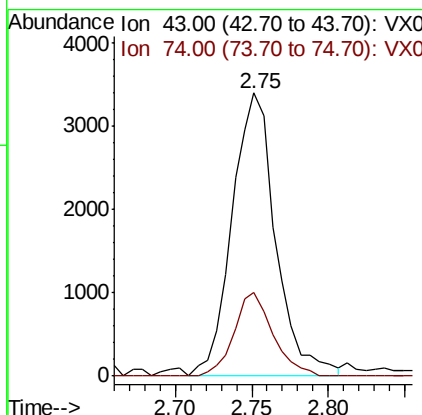
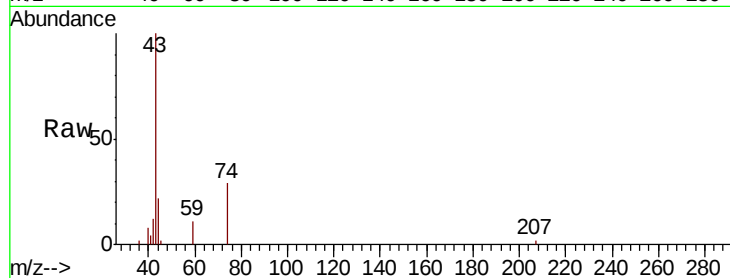




#15
Methvl Acetate
Concen: 2.554 ug/L
RT: 2.75 min Scan# 273
Delta R.T. 0.00 min
Lab File: VX019227.D
Acq: 03 Nov 2020 12:17

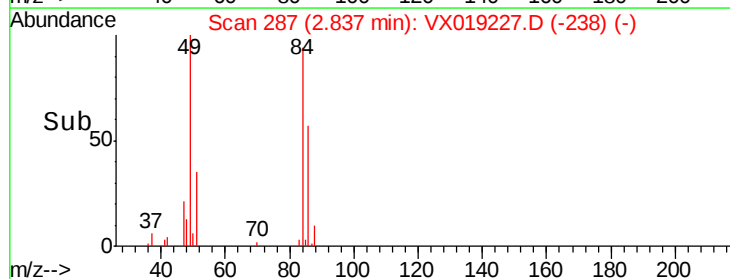
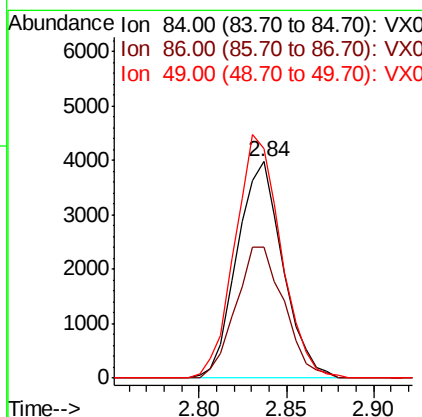
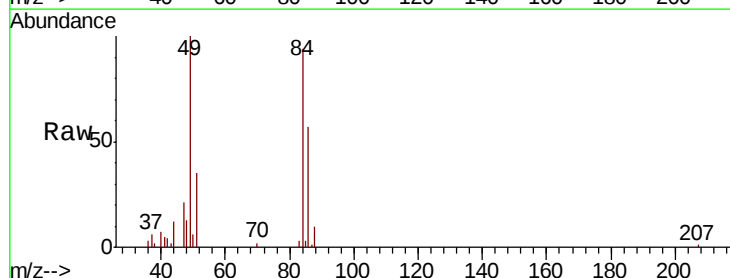
Instrument :
MSVOA_X
ClientSampleId :

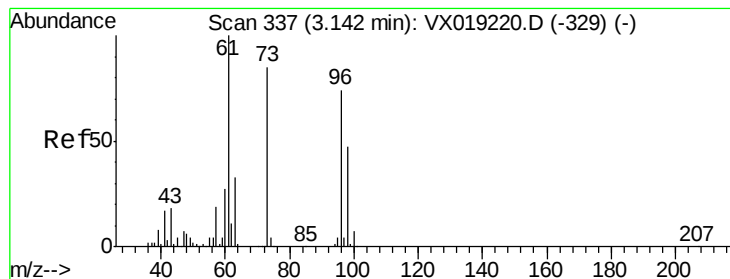
Tot Ion: 43 Resp: 6717
Ion Ratio Lower Upper
43 100
74 26.4 21.8 32.8



#16
Methylene chloride
Concen: 2.430 ug/L
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX019227.D
Acq: 03 Nov 2020 12:17

Tgt Ion: 84 Resp: 7250
Ion Ratio Lower Upper
84 100
86 60.7 44.0 81.6
49 106.0 80.6 149.6





#17

trans-1,2-Dichloroethene

Concen: 2.181 ug/L

RT: 3.14 min Scan# 337

Delta R.T. 0.00 min

Lab File: VX019227.D

Acq: 03 Nov 2020 12:17

Instrument :

MSVOA_X

ClientSampled :

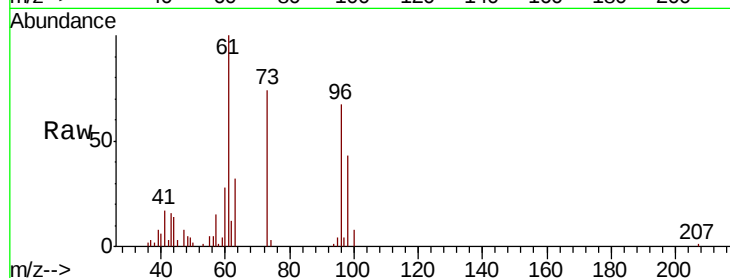
Tot Ion: 96 Resp: 6273

Ion Ratio Lower Upper

96 100

61 148.9 95.7 177.7

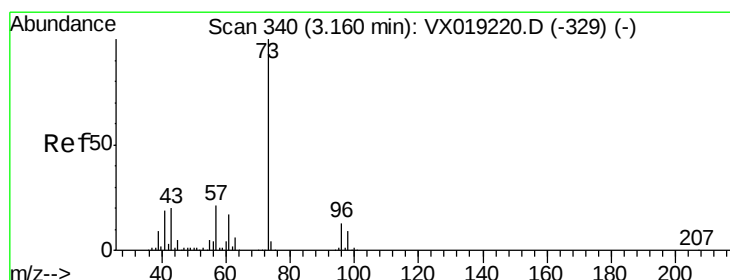
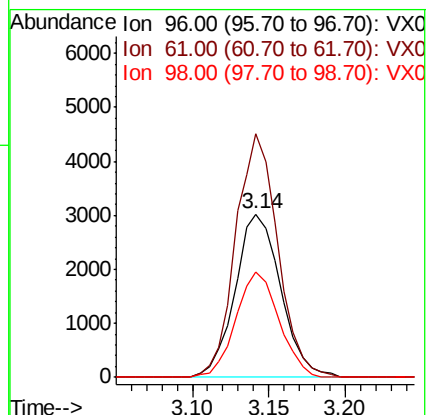
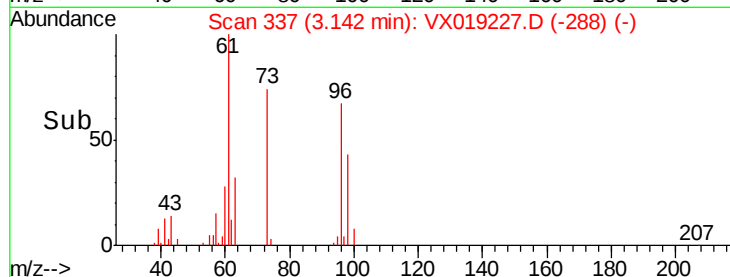
98 64.6 44.2 82.0



Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



#18

Methyl tert-butyl Ether

Concen: 2.196 ug/L

RT: 3.17 min Scan# 341

Delta R.T. 0.01 min

Lab File: VX019227.D

Acq: 03 Nov 2020 12:17

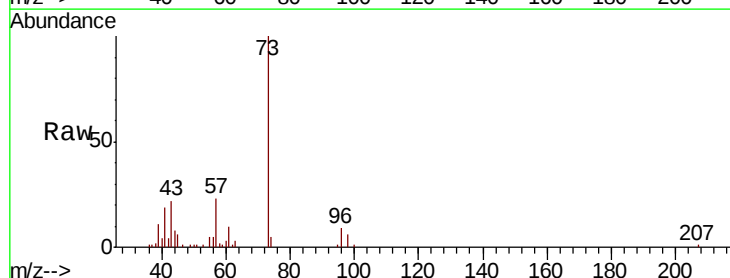
Tgt Ion: 73 Resp: 19963

Ion Ratio Lower Upper

73 100

43 21.0 15.8 23.6

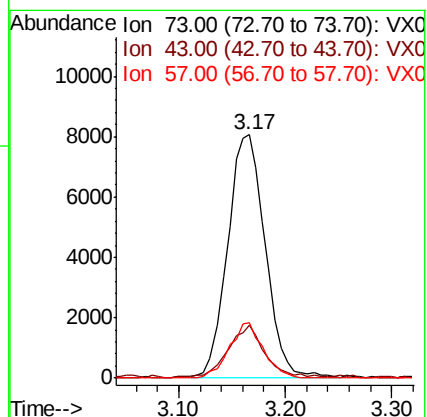
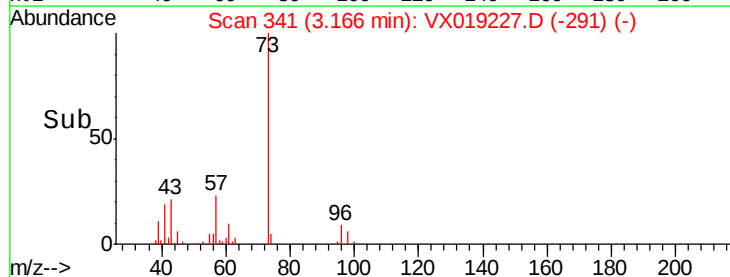
57 20.5 17.0 25.4

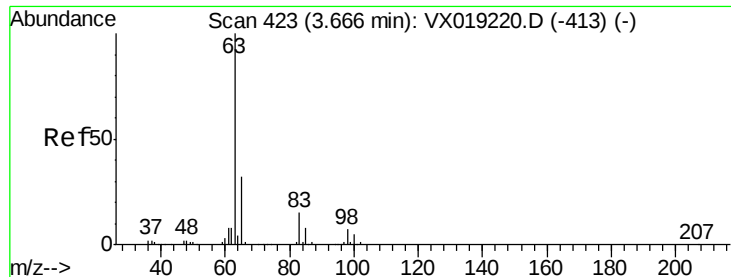


Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

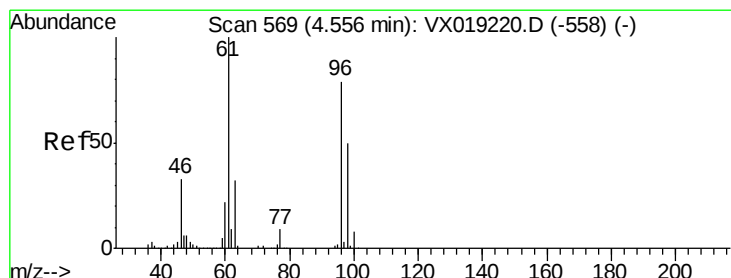
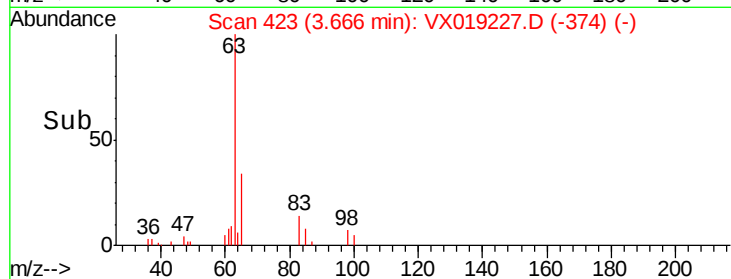
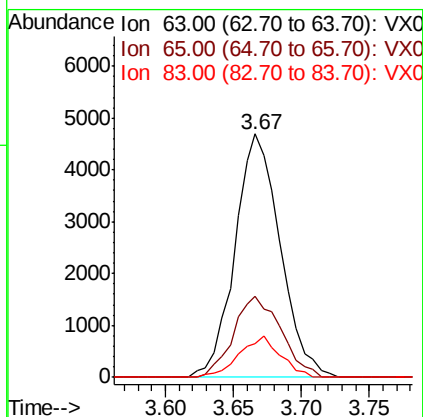
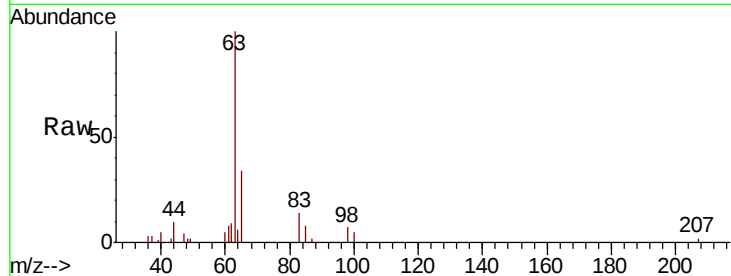




#19
 1,1-Dichloroethane
 Concen: 2.132 ug/L
 RT: 3.67 min Scan# 423
 Delta R.T. 0.00 min
 Lab File: VX019227.D
 Acq: 03 Nov 2020 12:17

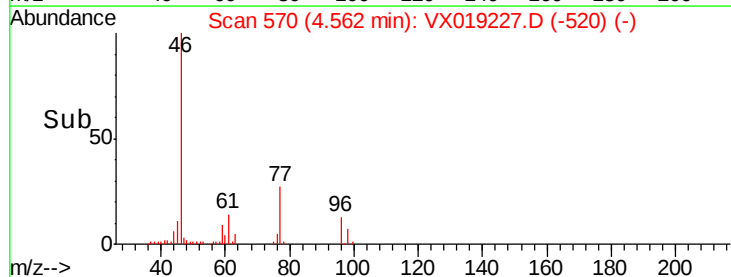
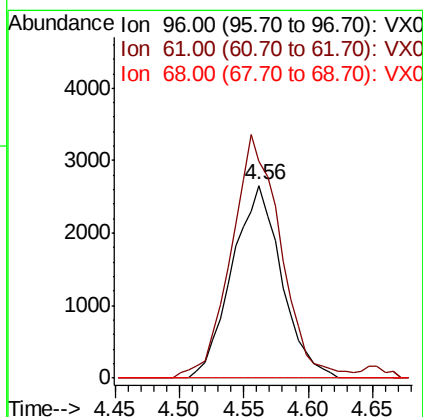
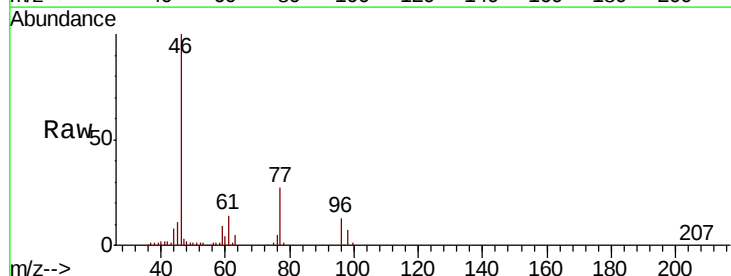
Instrument :
 MSVOA_X
 ClientSampleId :

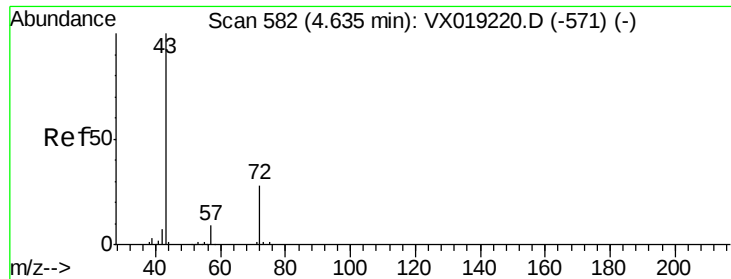
Tot Ion	Ratio	Lower	Upper
63	100		
65	33.5	22.3	41.3
83	14.0	9.7	18.1



#20
 cis-1,2-Dichloroethene
 Concen: 2.242 ug/L
 RT: 4.56 min Scan# 570
 Delta R.T. 0.01 min
 Lab File: VX019227.D
 Acq: 03 Nov 2020 12:17

Tgt Ion	Ratio	Lower	Upper
96	100		
61	112.0	86.1	159.9
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 4.533 ug/L

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX019227.D

Acq: 03 Nov 2020 12:17

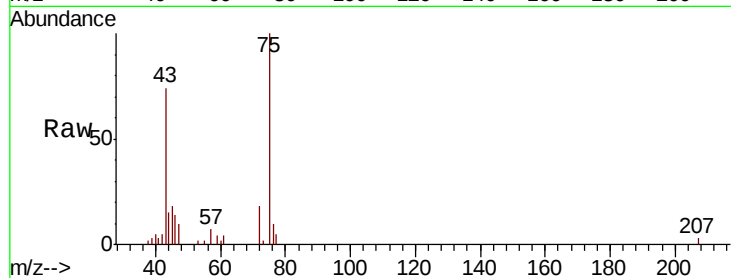
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 8626

Ion Ratio Lower Upper

43 100

72 30.5 15.0 45.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.65

3000

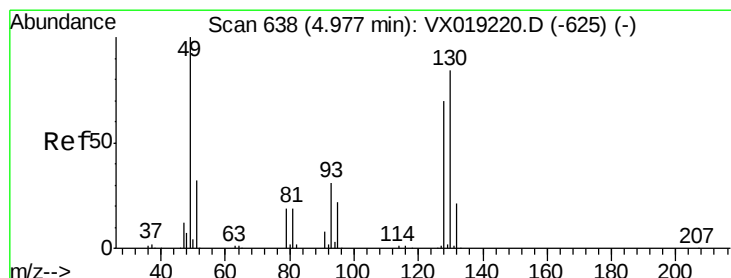
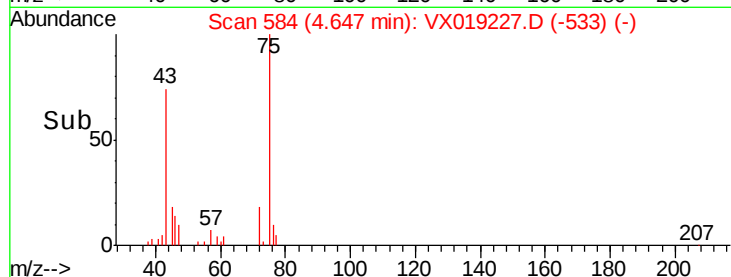
2000

1000

0

4.55 4.60 4.65 4.70 4.75

Time-->



#23

Bromochloromethane

Concen: 2.190 ug/L

RT: 4.97 min Scan# 637

Delta R.T. -0.01 min

Lab File: VX019227.D

Acq: 03 Nov 2020 12:17

Tgt Ion:128 Resp: 3484

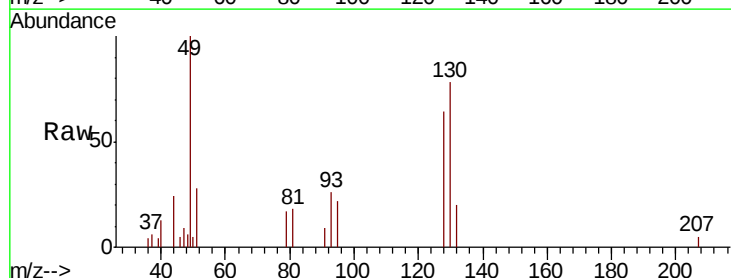
Ion Ratio Lower Upper

128 100

49 157.3 108.4 201.4

130 122.3 96.7 179.7

51 44.2 39.9 59.9



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VX0

3000

2500

2000

1500

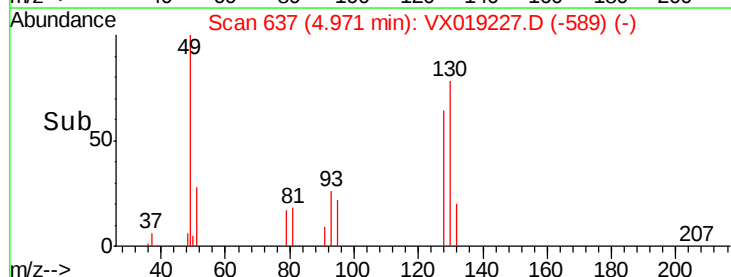
1000

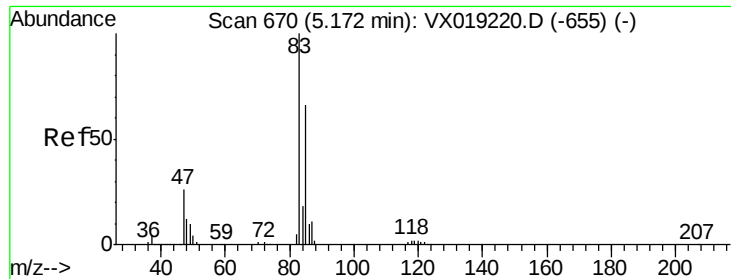
500

0

4.90 4.95 5.00 5.05

Time-->

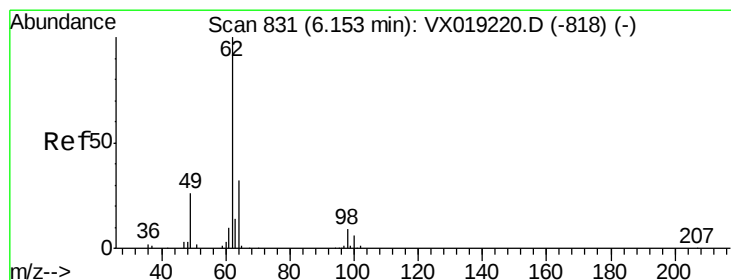
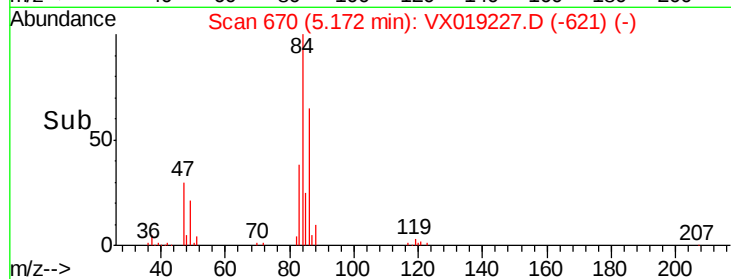
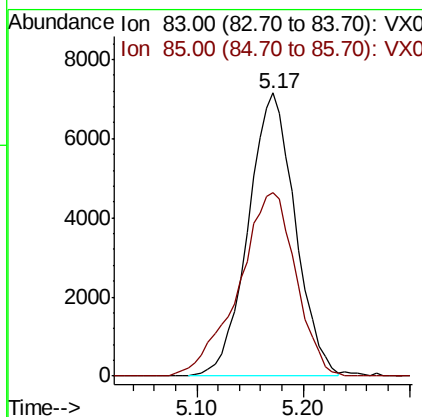
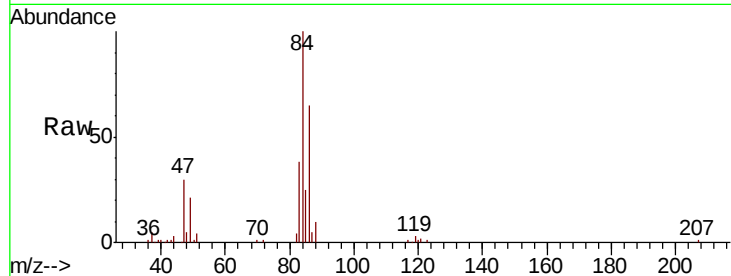




#25
Chloroform
Concen: 4.110 ug/L
RT: 5.17 min Scan# 670
Delta R.T. -0.00 min
Lab File: VX019227.D
Acq: 03 Nov 2020 12:17

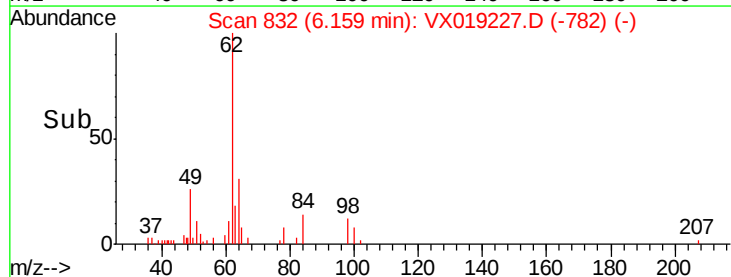
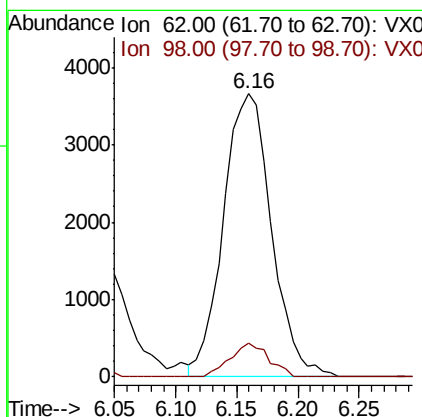
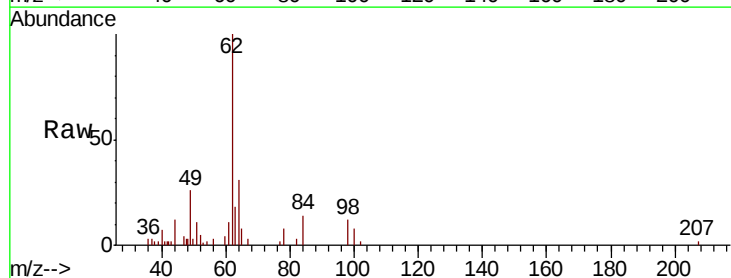
Instrument :
MSVOA_X
ClientSampled :

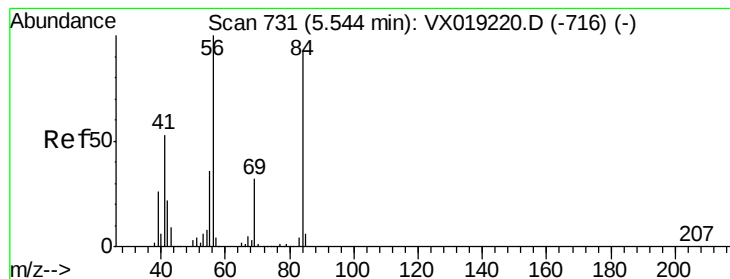
Tot Ion: 83 Resp: 22049
Ion Ratio Lower Upper
83 100
85 64.7 46.5 86.3



#27
1,2-Dichloroethane
Concen: 2.366 ug/L
RT: 6.16 min Scan# 832
Delta R.T. 0.01 min
Lab File: VX019227.D
Acq: 03 Nov 2020 12:17

Tgt Ion: 62 Resp: 9993
Ion Ratio Lower Upper
62 100
98 11.8 7.6 11.4#





#29

Cyclohexane

Concen: 2.133 ug/L

RT: 5.55 min Scan# 732

Delta R.T. 0.01 min

Lab File: VX019227.D

Acq: 03 Nov 2020 12:17

Instrument :

MSVOA_X

ClientSampleId :

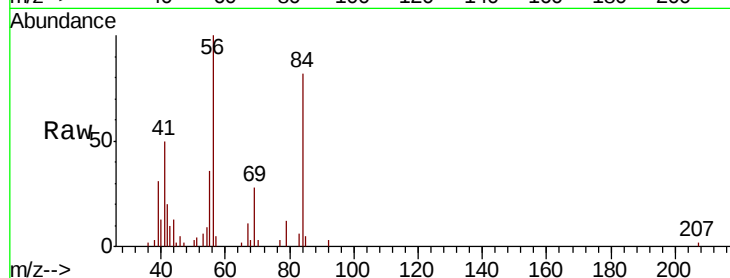
Tot Ion: 56 Resp: 10166

Ion Ratio Lower Upper

56 100

69 31.2 25.2 37.8

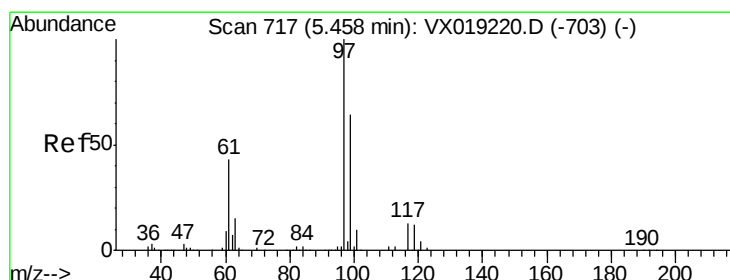
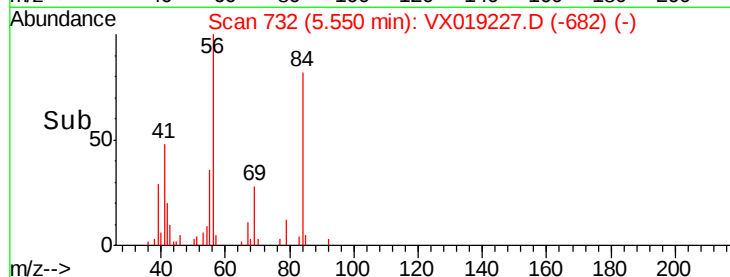
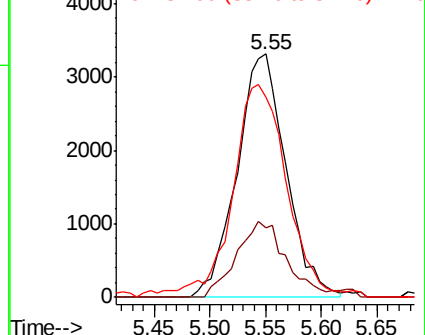
84 92.2 73.6 110.4



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#30

1,1,1-Trichloroethane

Concen: 2.127 ug/L

RT: 5.46 min Scan# 718

Delta R.T. 0.01 min

Lab File: VX019227.D

Acq: 03 Nov 2020 12:17

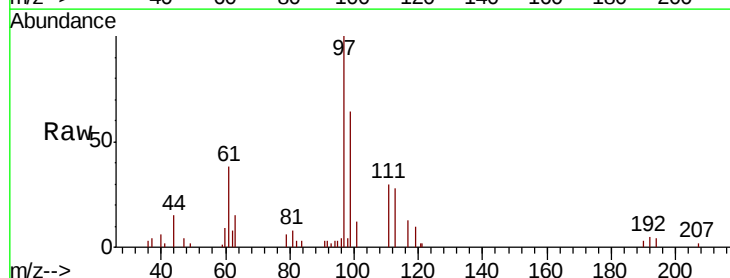
Tgt Ion: 97 Resp: 10616

Ion Ratio Lower Upper

97 100

99 63.6 51.0 76.6

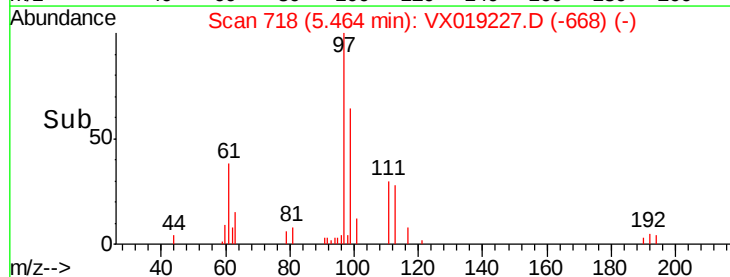
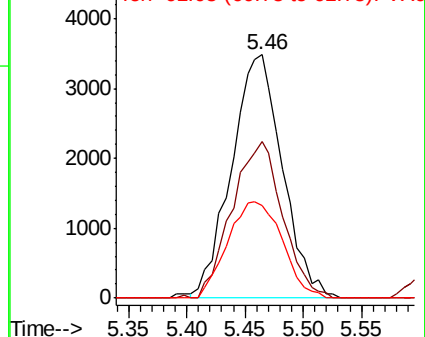
61 42.4 34.8 52.2

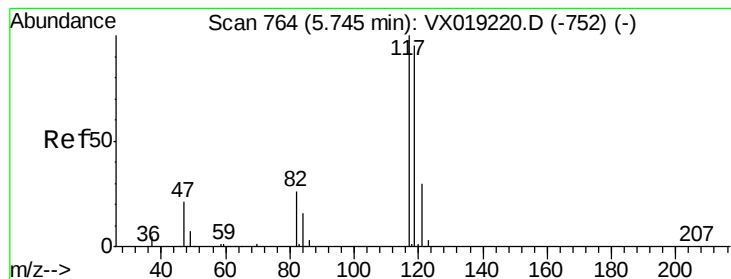


Abundance Ion 97.00 (96.70 to 97.70): VX0

Ion 99.00 (98.70 to 99.70): VX0

Ion 61.05 (60.75 to 61.75): VX0





#31

Carbon tetrachloride

Concen: 2.029 ug/L

RT: 5.75 min Scan# 765

Delta R.T. 0.01 min

Lab File: VX019227.D

Acq: 03 Nov 2020 12:17

Instrument :

MSVOA_X

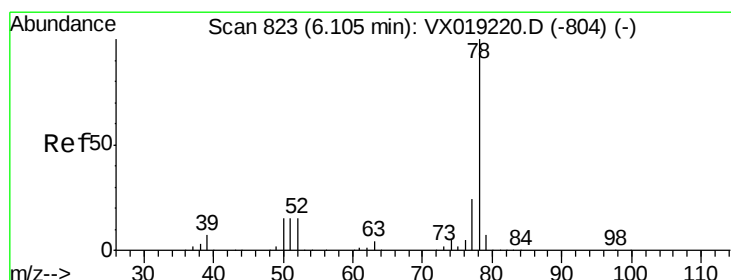
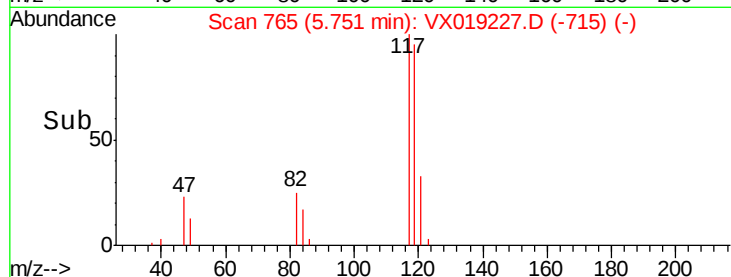
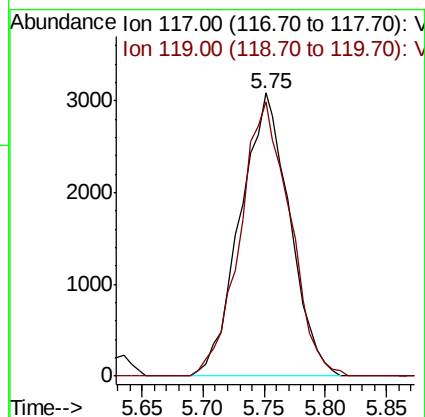
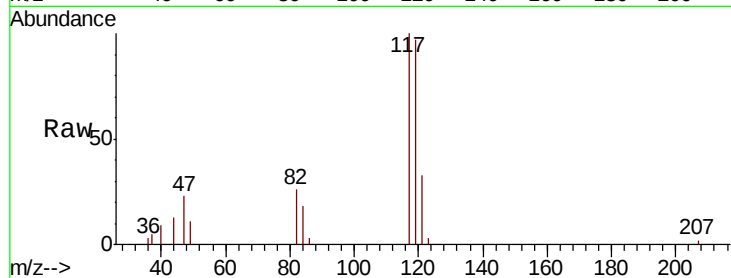
ClientSampleId :

Tot Ion:117 Resp: 8703

Ion Ratio Lower Upper

117 100

119 97.3 76.9 115.3



#33

Benzene

Concen: 2.218 ug/L

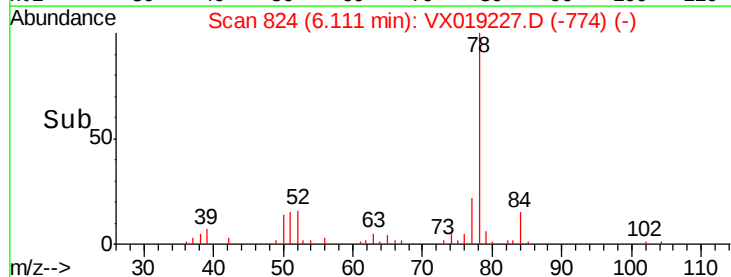
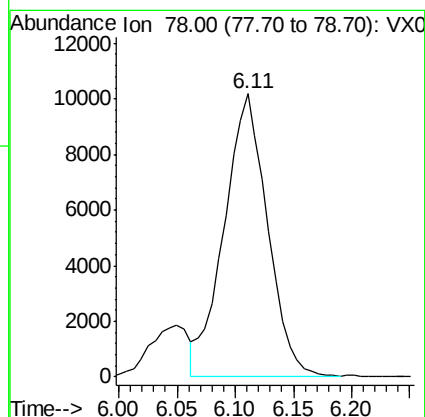
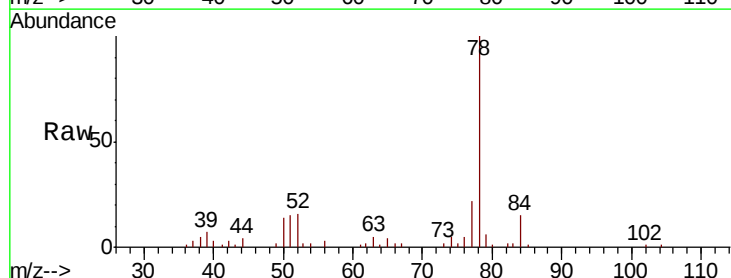
RT: 6.11 min Scan# 824

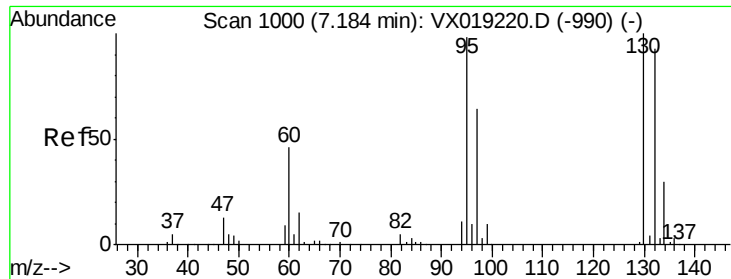
Delta R.T. 0.01 min

Lab File: VX019227.D

Acq: 03 Nov 2020 12:17

Tgt Ion: 78 Resp: 26365

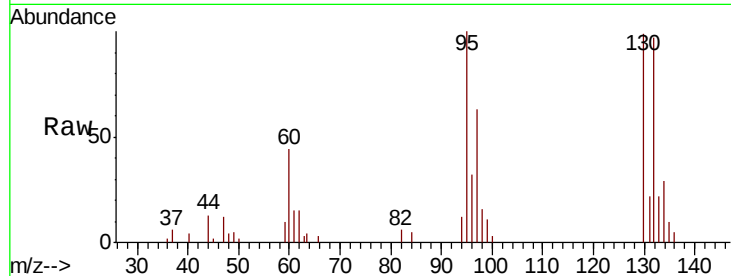




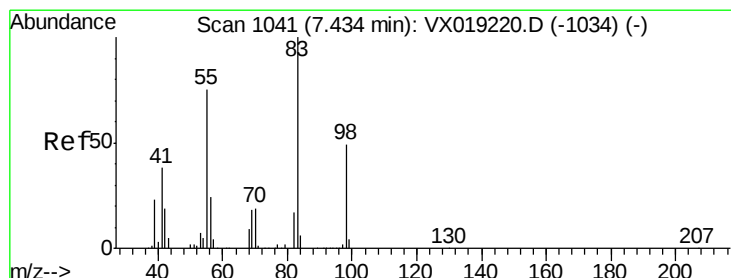
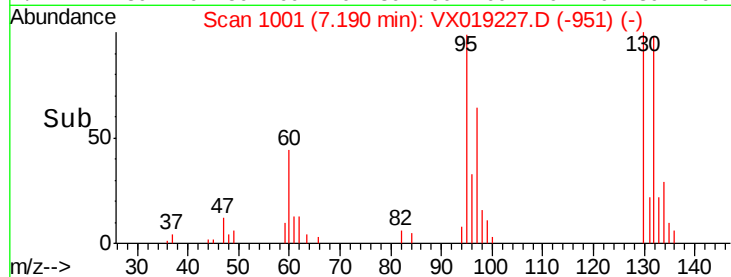
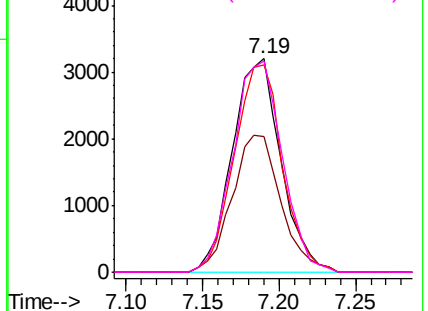
#34
 Trichloroethene
 Concen: 2.170 ug/L
 RT: 7.19 min Scan# 1001
 Delta R.T. 0.01 min
 Lab File: VX019227.D
 Acq: 03 Nov 2020 12:17

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion: 95 Resp: 7040
 Ion Ratio Lower Upper
 95 100
 97 63.3 45.1 83.9
 132 97.3 67.3 124.9
 130 98.8 69.9 129.9

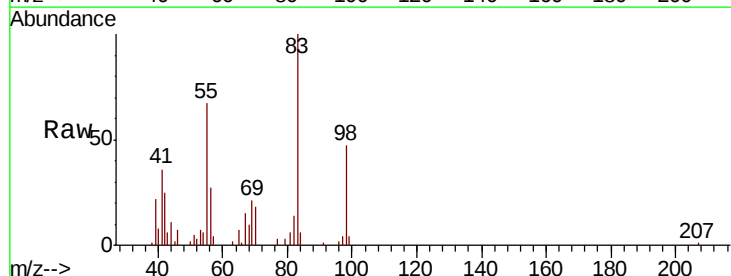


Abundance Ion 95.00 (94.70 to 95.70): VX0
 Ion 97.00 (96.70 to 97.70): VX0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

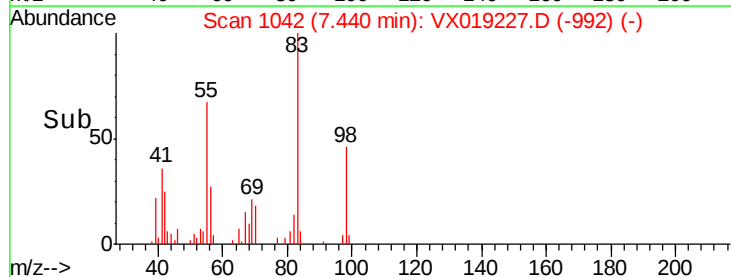
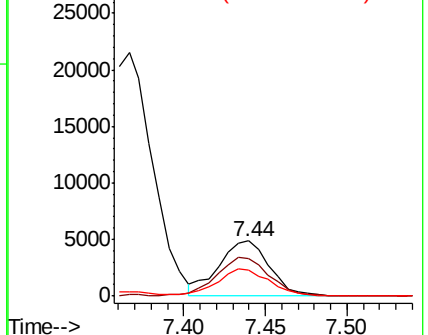


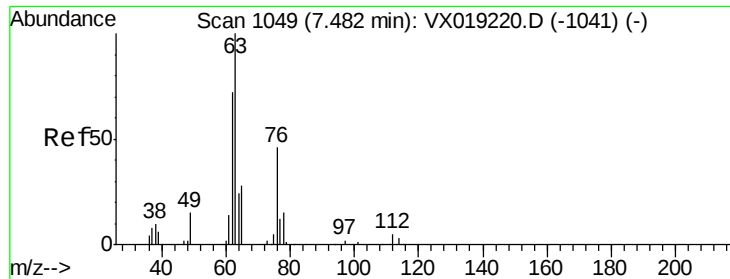
#35
 Methylcyclohexane
 Concen: 2.073 ug/L
 RT: 7.44 min Scan# 1042
 Delta R.T. 0.01 min
 Lab File: VX019227.D
 Acq: 03 Nov 2020 12:17

Tgt Ion: 83 Resp: 10646
 Ion Ratio Lower Upper
 83 100
 55 72.1 58.6 87.8
 98 49.6 39.0 58.6



Abundance Ion 83.00 (82.70 to 83.70): VX0
 Ion 55.00 (54.70 to 55.70): VX0
 Ion 98.00 (97.70 to 98.70): VX0





#37

1,2-Dichloropropane

Concen: 2.238 ug/L

RT: 7.49 min Scan# 1050

Delta R.T. 0.01 min

Lab File: VX019227.D

Acq: 03 Nov 2020 12:17

Instrument :

MSVOA_X

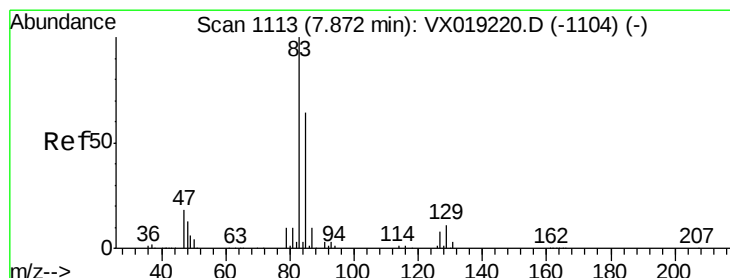
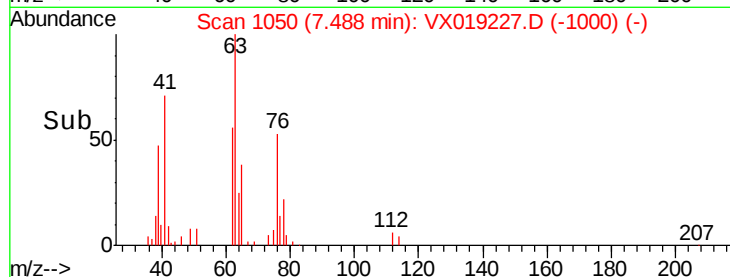
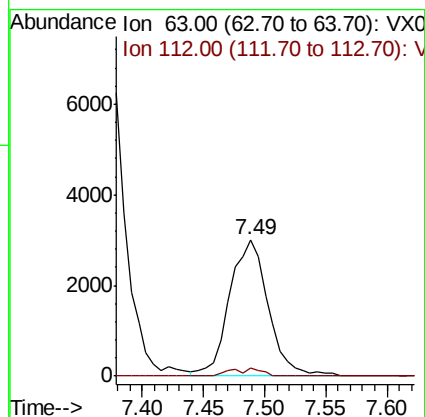
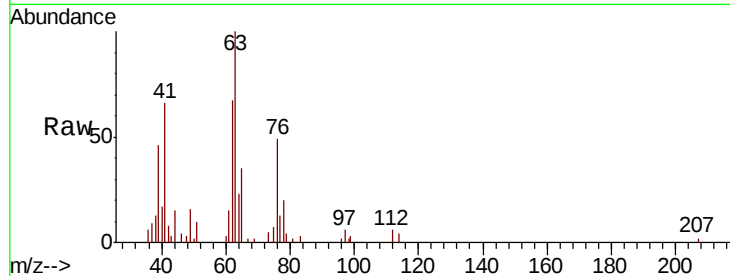
ClientSampleId :

Tot Ion: 63 Resp: 6609

Ion Ratio Lower Upper

63 100

112 2.2 3.8 5.6#



#38

Bromodichloromethane

Concen: 2.063 ug/L

RT: 7.87 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VX019227.D

Acq: 03 Nov 2020 12:17

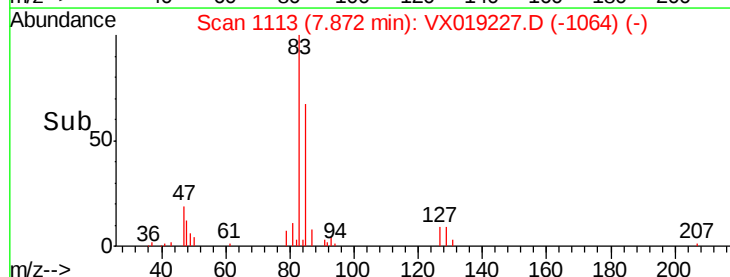
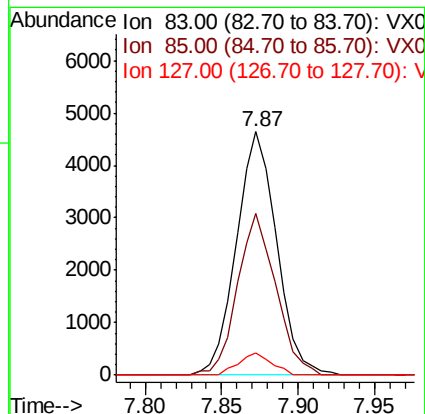
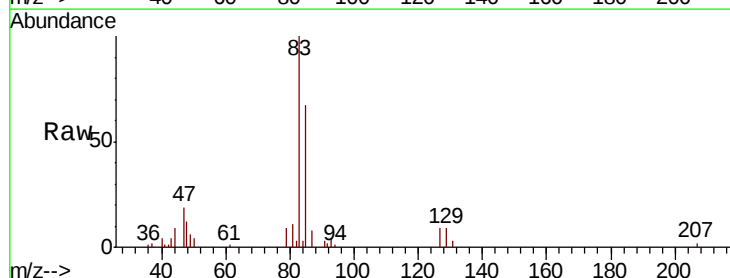
Tgt Ion: 83 Resp: 8470

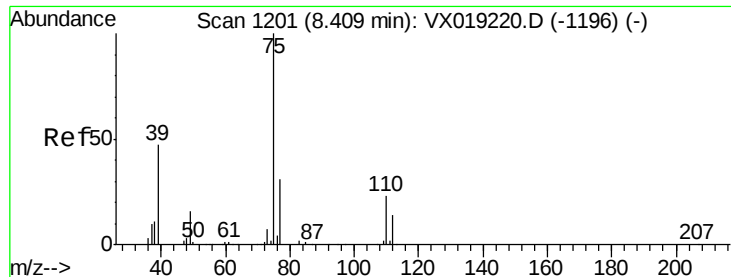
Ion Ratio Lower Upper

83 100

85 66.7 44.6 82.8

127 8.9 6.8 10.2

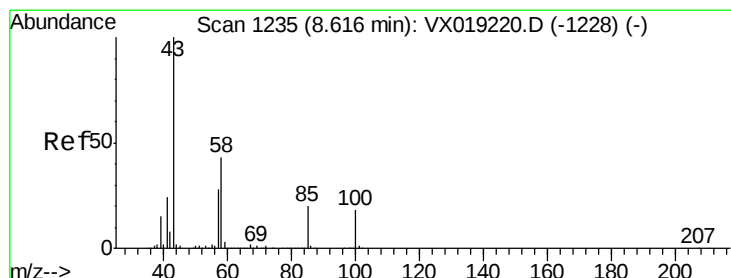
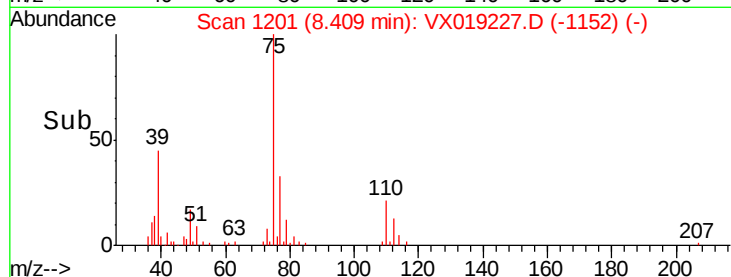
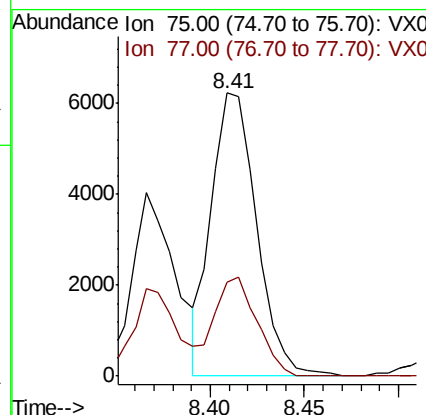
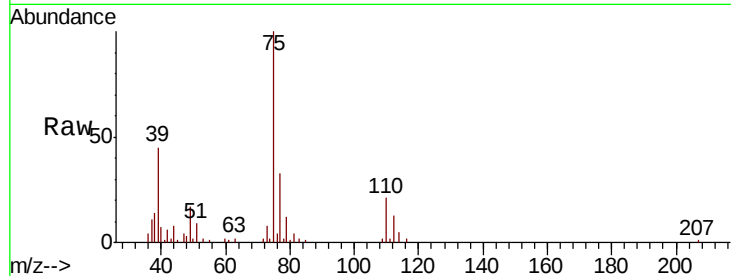




#39
 cis-1,3-Dichloropropene
 Concen: 2.121 ug/L
 RT: 8.41 min Scan# 1201
 Delta R.T. 0.00 min
 Lab File: VX019227.D
 Acq: 03 Nov 2020 12:17

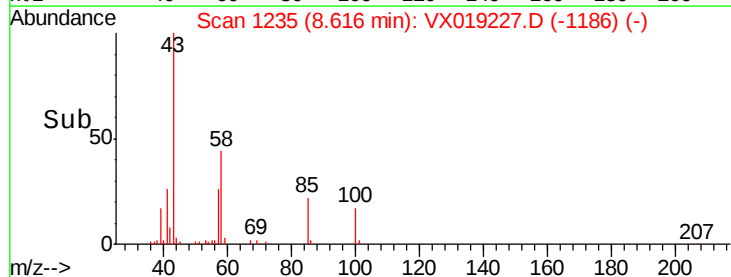
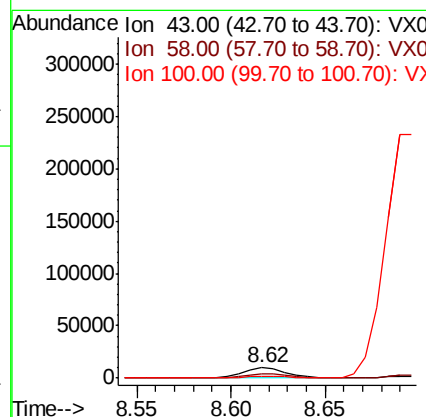
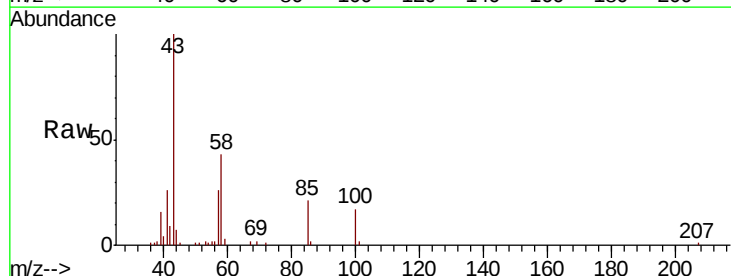
Instrument :
 MSVOA_X
 ClientSampleId :

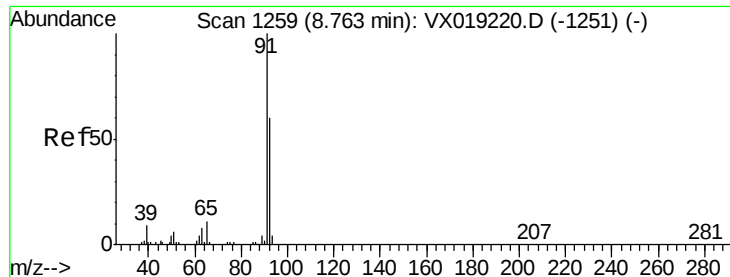
Tot Ion: 75 Resp: 10404
 Ion Ratio Lower Upper
 75 100
 77 33.3 22.5 41.7



#40
 4-Methyl-2-pentanone
 Concen: 4.386 ug/L
 RT: 8.62 min Scan# 1235
 Delta R.T. 0.00 min
 Lab File: VX019227.D
 Acq: 03 Nov 2020 12:17

Tgt Ion: 43 Resp: 15838
 Ion Ratio Lower Upper
 43 100
 58 43.3 34.1 51.1
 100 18.2 14.8 22.2





#42

Toluene

Concen: 2.731 ug/L

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX019227.D

Acq: 03 Nov 2020 12:17

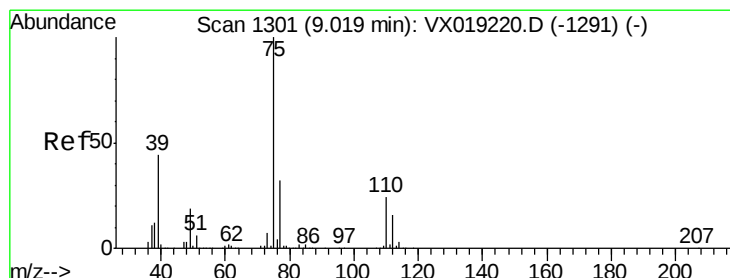
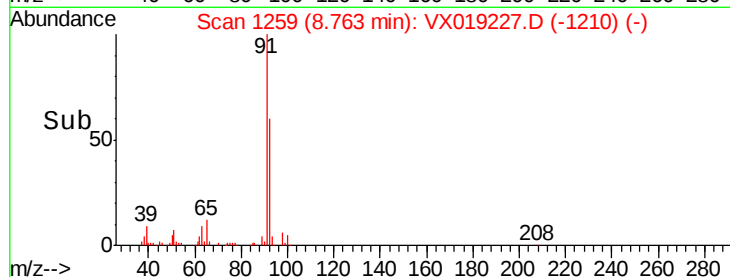
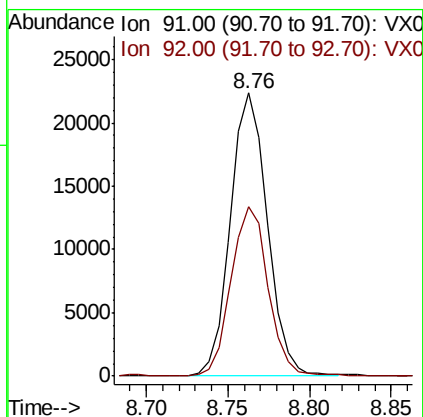
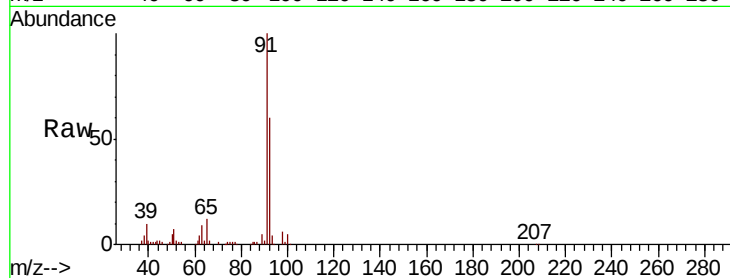
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 91 Resp: 35318

Ion Ratio Lower Upper

91 100

92 60.0 41.2 76.6



#44

trans-1,3-Dichloropropene

Concen: 2.112 ug/L

RT: 9.02 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VX019227.D

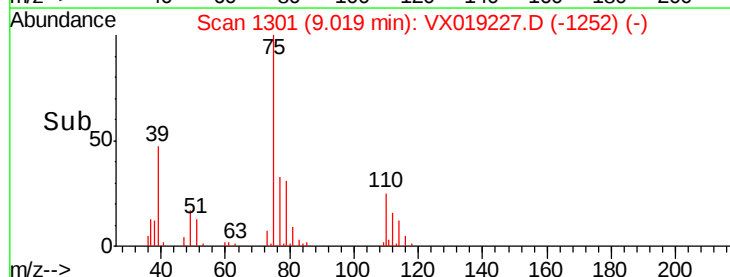
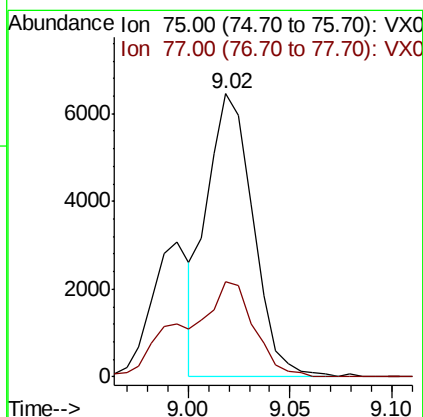
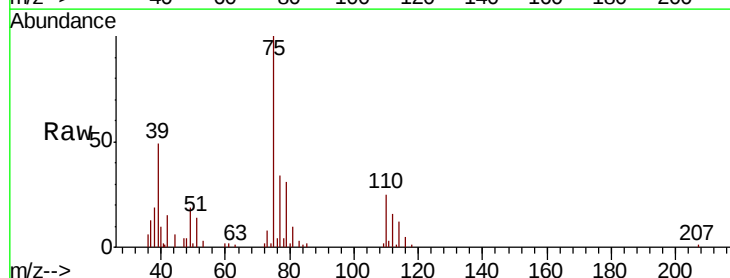
Acq: 03 Nov 2020 12:17

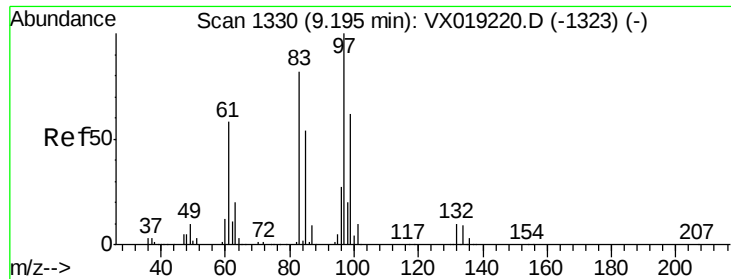
Tgt Ion: 75 Resp: 10094

Ion Ratio Lower Upper

75 100

77 33.7 21.8 40.6

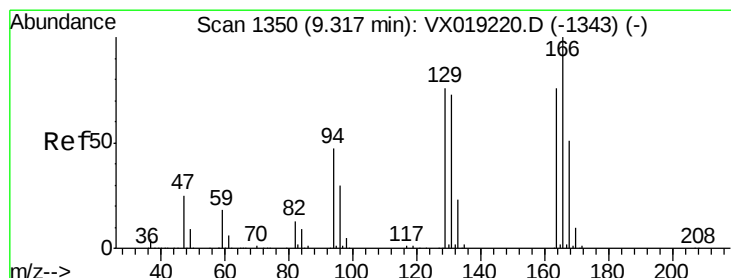
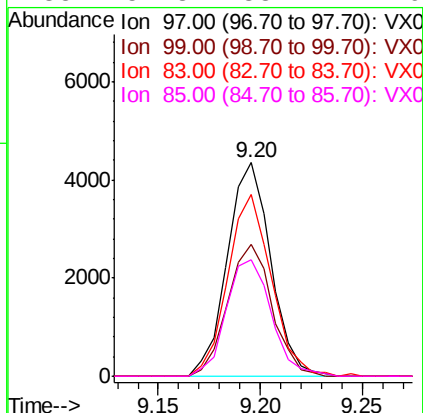
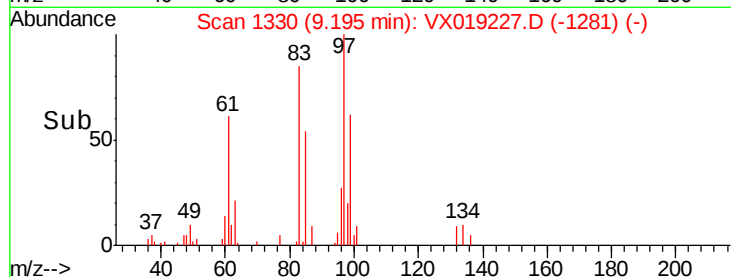
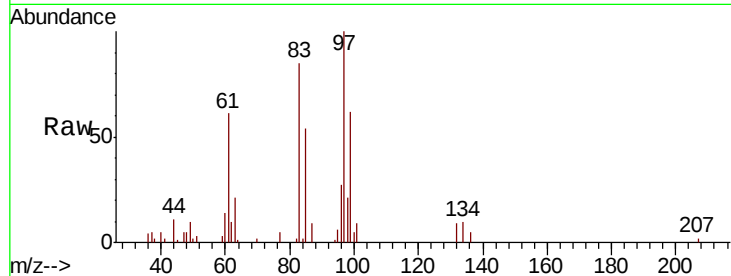




#45
 1,1,2-Trichloroethane
 Concen: 2.222 ug/L
 RT: 9.20 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VX019227.D
 Acq: 03 Nov 2020 12:17

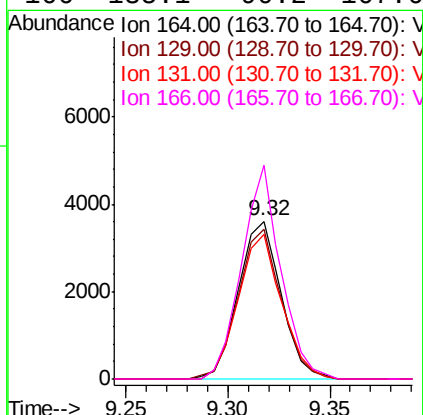
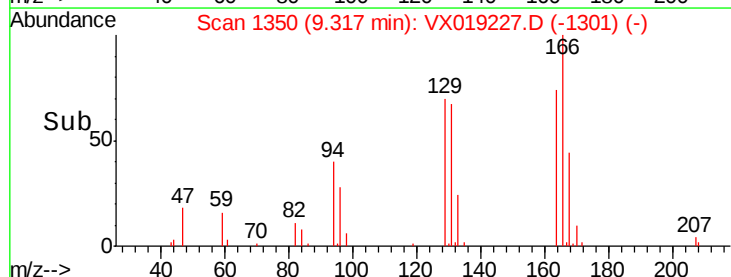
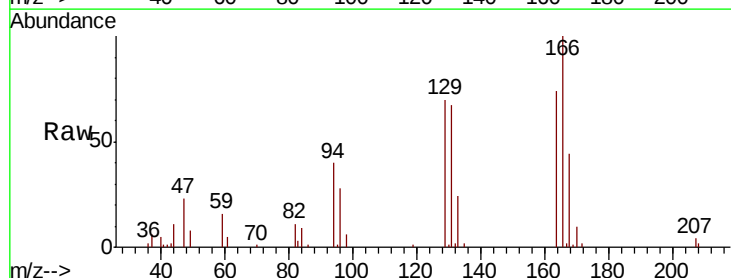
Instrument :
 MSVOA_X
 ClientSampleId :

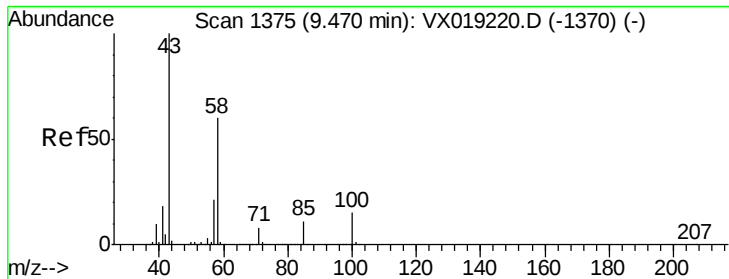
Tot Ion:	97	Resp:	6444
Ion	Ratio	Lower	Upper
97	100		
99	61.8	43.3	80.3
83	85.3	59.4	110.4
85	54.3	38.7	71.9



#46
 Tetrachloroethene
 Concen: 2.156 ug/L
 RT: 9.32 min Scan# 1350
 Delta R.T. 0.00 min
 Lab File: VX019227.D
 Acq: 03 Nov 2020 12:17

Tgt Ion:	164	Resp:	5278
Ion	Ratio	Lower	Upper
164	100		
129	94.8	65.2	121.2
131	91.2	62.5	116.1
166	135.1	90.2	167.6

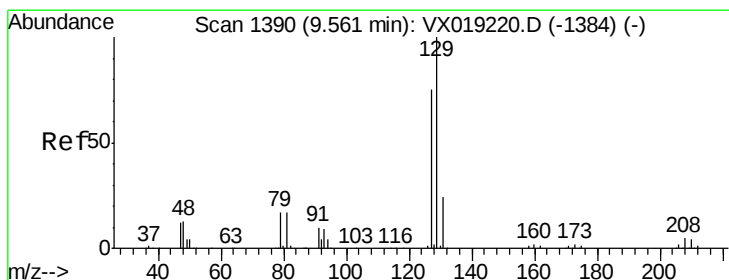
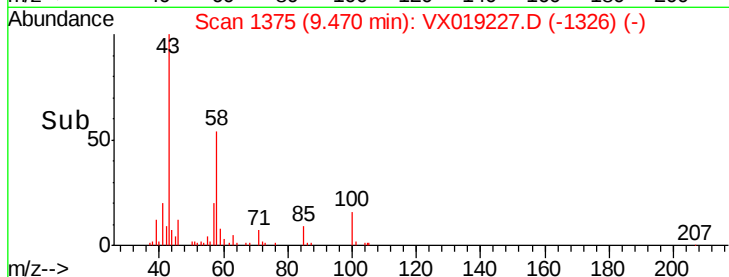
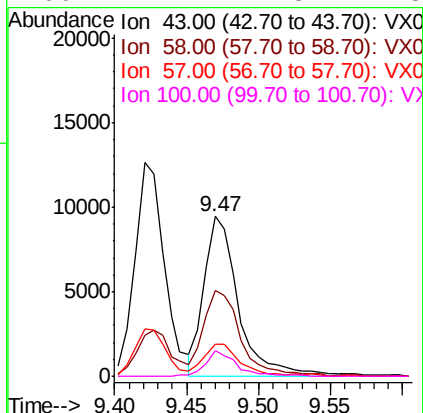
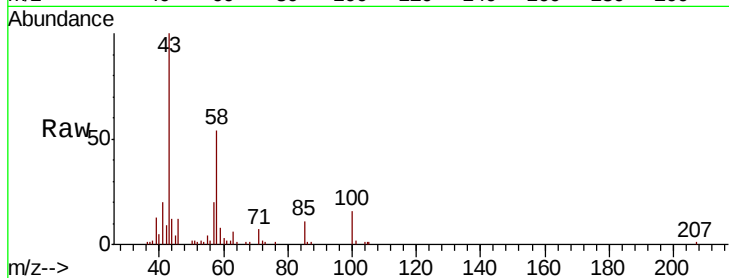




#48
2-Hexanone
Concen: 5.507 ug/L
RT: 9.47 min Scan# 1375
Delta R.T. 0.00 min
Lab File: VX019227.D
Acq: 03 Nov 2020 12:17

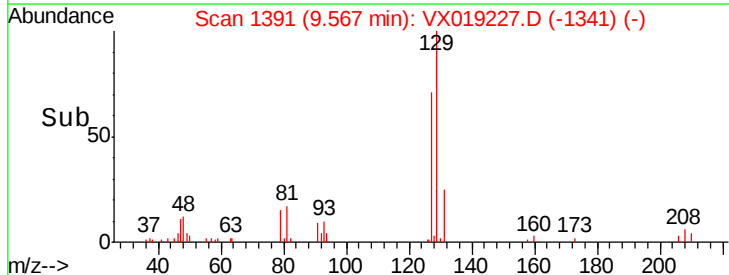
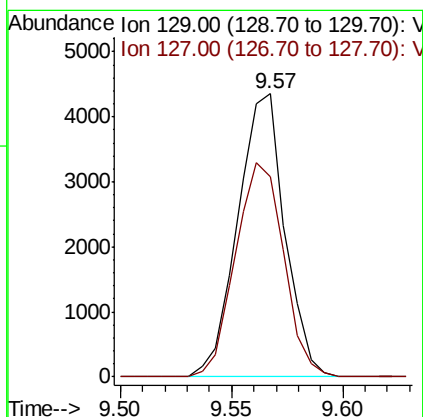
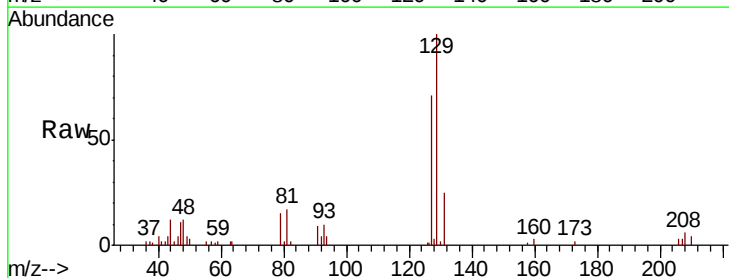
Instrument :
MSVOA_X
ClientSampleId :

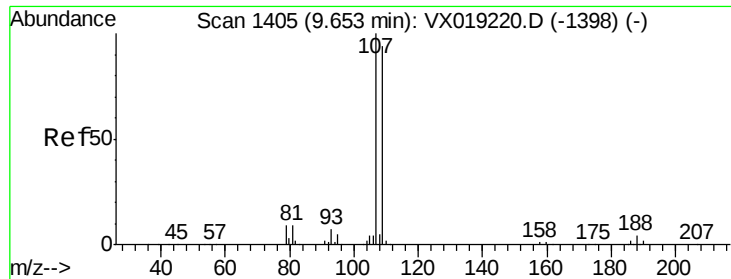
Tot Ion:	43	Resp:	15670
Ion	Ratio	Lower	Upper
43	100		
58	57.3	48.2	72.2
57	21.0	17.1	25.7
100	14.4	11.8	17.8



#49
Dibromochloromethane
Concen: 2.026 ug/L
RT: 9.57 min Scan# 1391
Delta R.T. 0.01 min
Lab File: VX019227.D
Acq: 03 Nov 2020 12:17

Tgt Ion:	129	Resp:	6427
Ion	Ratio	Lower	Upper
129	100		
127	70.6	54.0	100.2

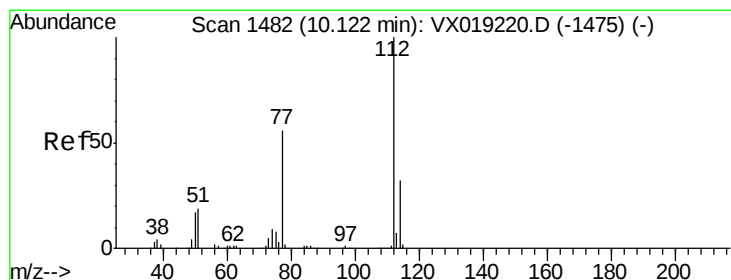
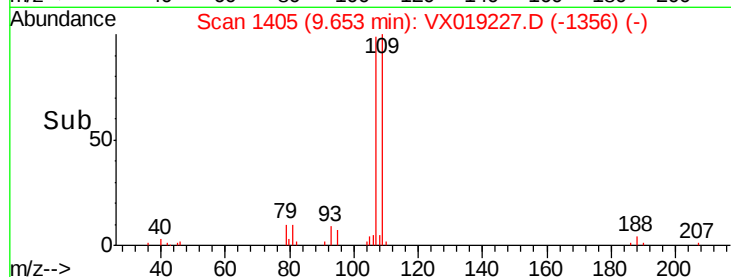
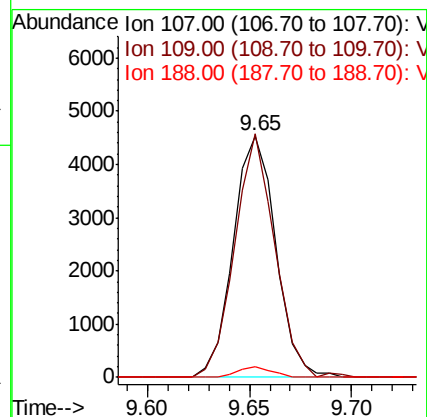
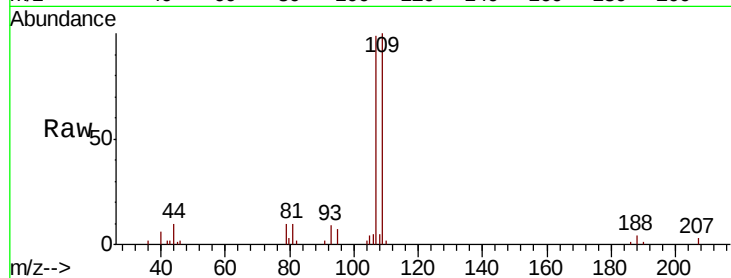




#50
1,2-Dibromoethane
Concen: 2.153 ug/L
RT: 9.65 min Scan# 1405
Delta R.T. 0.00 min
Lab File: VX019227.D
Acq: 03 Nov 2020 12:17

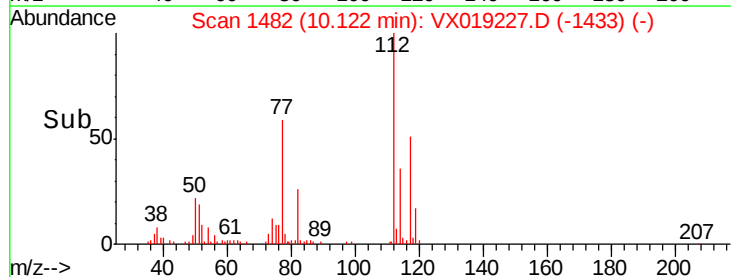
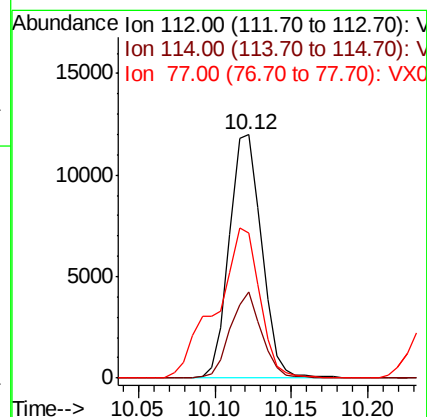
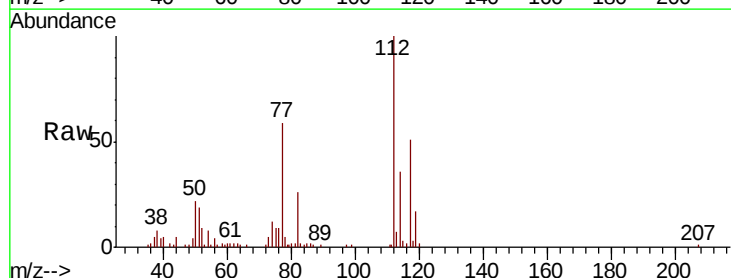
Instrument :
MSVOA_X
ClientSampleId :

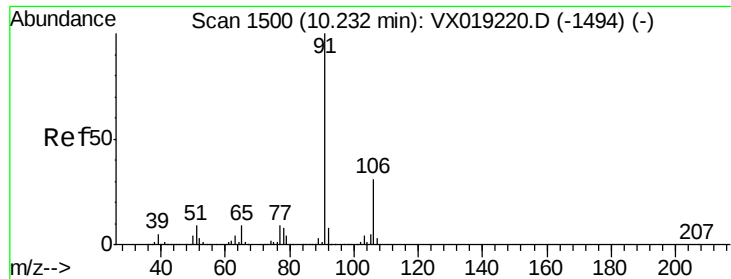
Tot Ion	Ratio	Lower	Upper
107	100		
109	101.0	68.1	126.5
188	4.3	3.0	4.4



#51
Chlorobenzene
Concen: 2.198 ug/L
RT: 10.12 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VX019227.D
Acq: 03 Nov 2020 12:17

Tgt Ion	Ratio	Lower	Upper
112	100		
114	35.6	22.2	41.2
77	59.3	46.2	69.4





#52

Ethylbenzene

Concen: 2.136 ug/L

RT: 10.23 min Scan# 1500

Delta R.T. -0.00 min

Lab File: VX019227.D

Acq: 03 Nov 2020 12:17

Instrument :

MSVOA_X

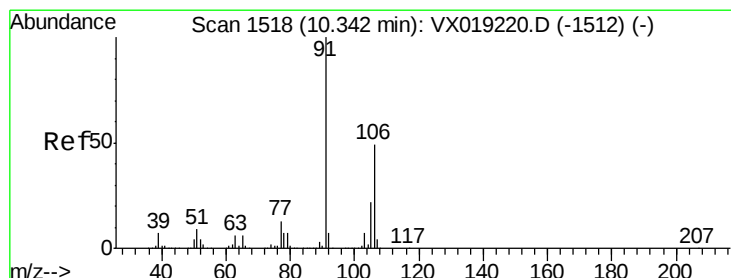
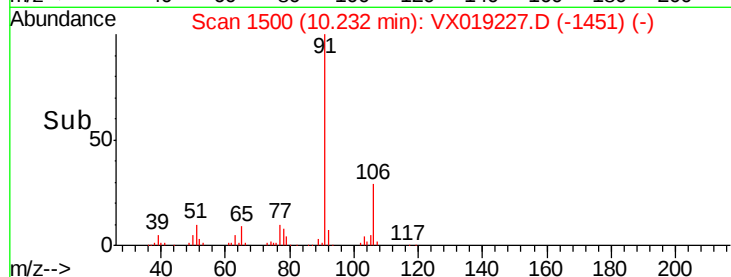
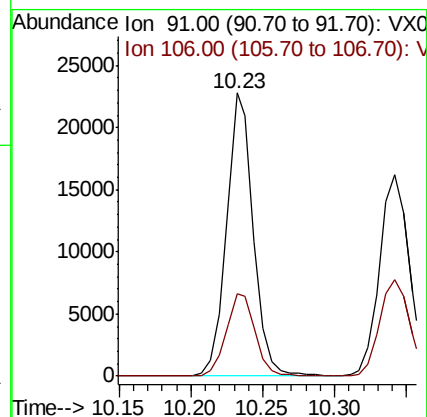
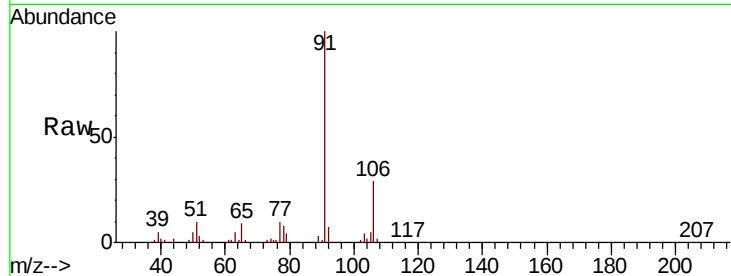
ClientSampled :

Tot Ion: 91 Resp: 29864

Ion Ratio Lower Upper

91 100

106 29.3 21.5 39.9



#53

m,p-Xylene

Concen: 2.121 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX019227.D

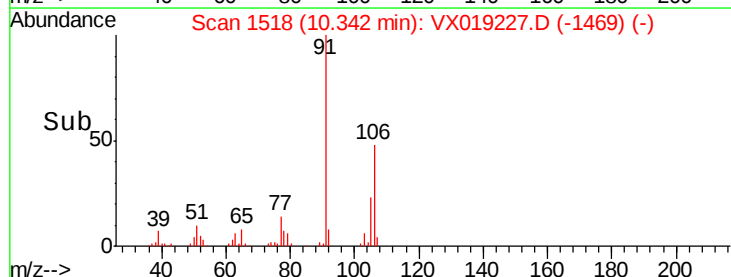
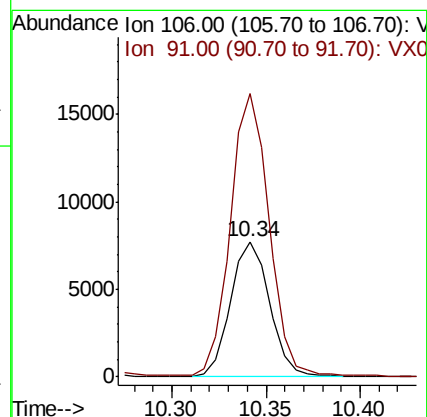
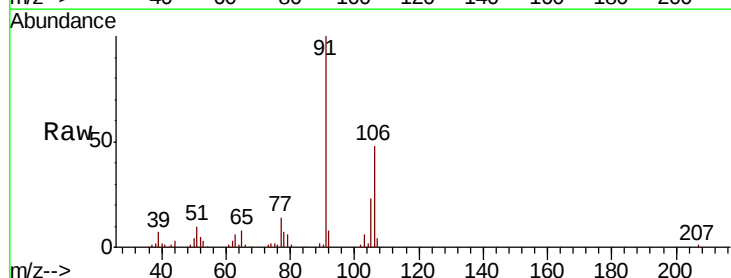
Acq: 03 Nov 2020 12:17

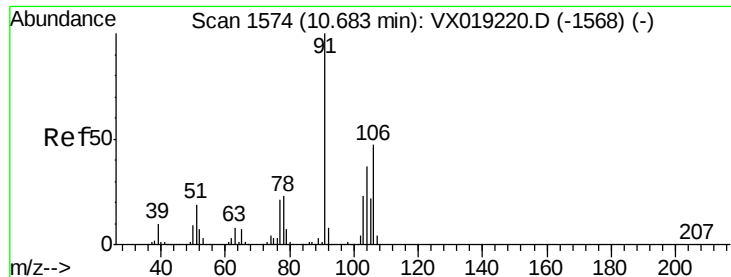
Tgt Ion: 106 Resp: 11141

Ion Ratio Lower Upper

106 100

91 209.4 144.2 267.8

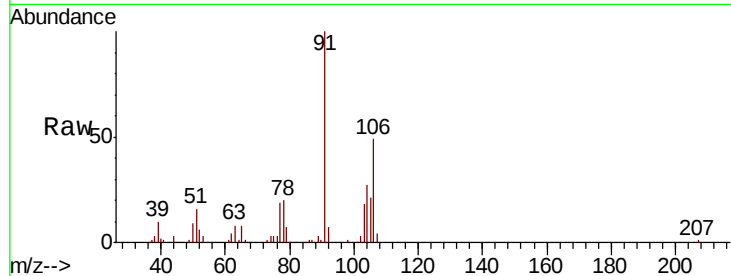




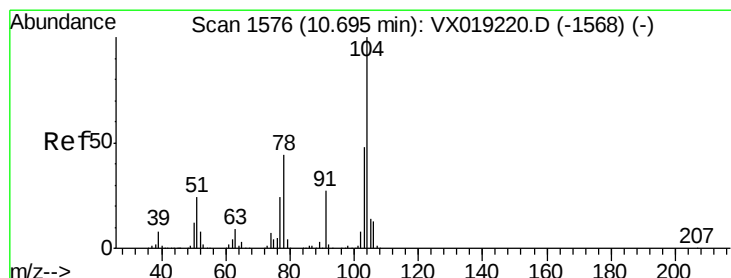
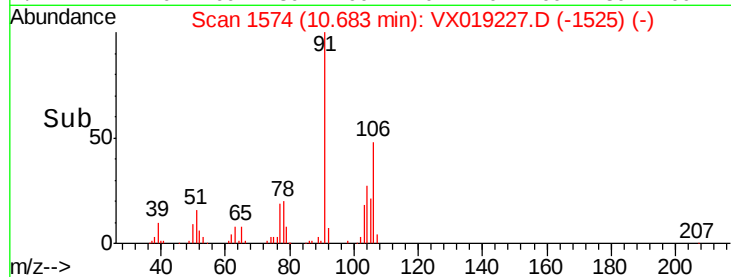
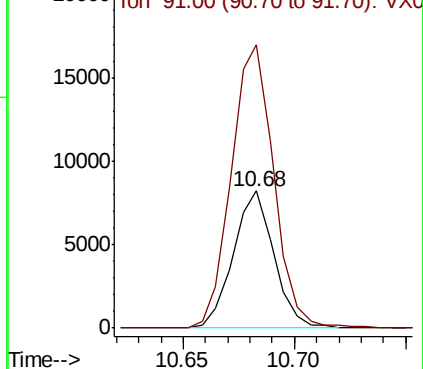
#54
o-Xylene
Concen: 2.040 ug/L
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX019227.D
Acq: 03 Nov 2020 12:17

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:106 Resp: 10372
Ion Ratio Lower Upper
106 100
91 206.2 153.3 284.7

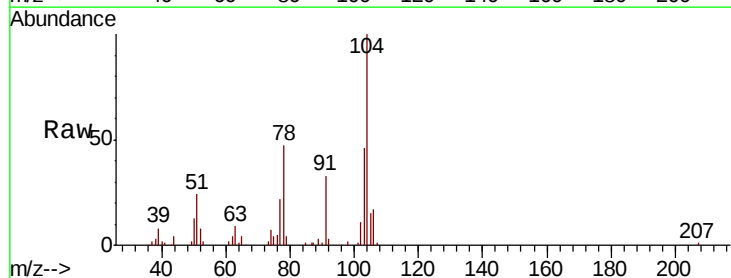


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

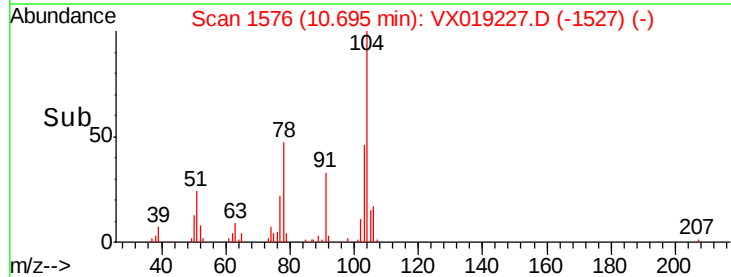
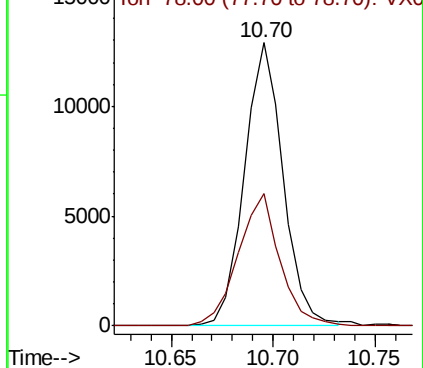


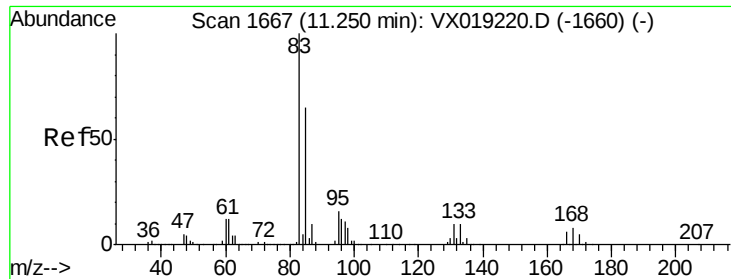
#55
Styrene
Concen: 1.977 ug/L
RT: 10.70 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX019227.D
Acq: 03 Nov 2020 12:17

Tgt Ion:104 Resp: 16961
Ion Ratio Lower Upper
104 100
78 46.6 30.9 57.5



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0





#57

1,1,2,2-Tetrachloroethane

Concen: 2.297 ug/L

RT: 11.25 min Scan# 1667

Delta R.T. 0.00 min

Lab File: VX019227.D

Acq: 03 Nov 2020 12:17

Instrument :

MSVOA_X

ClientSampleId :

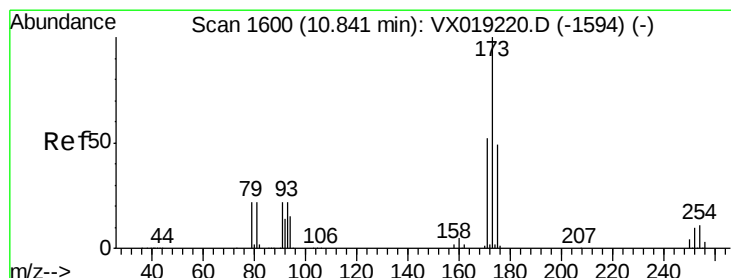
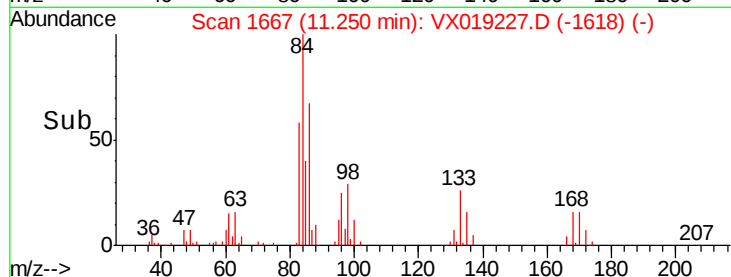
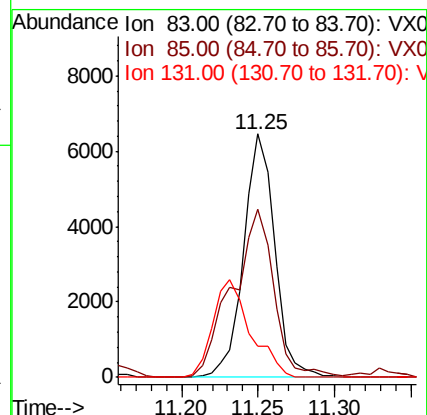
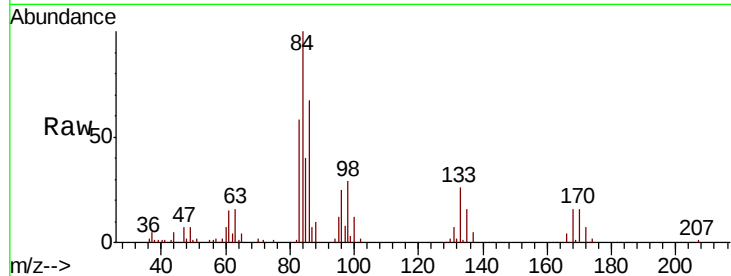
Tot Ion: 83 Resp: 9134

Ion Ratio Lower Upper

83 100

85 68.9 45.9 85.3

131 12.9 7.7 11.5#



#59

Bromoform

Concen: 1.912 ug/L

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX019227.D

Acq: 03 Nov 2020 12:17

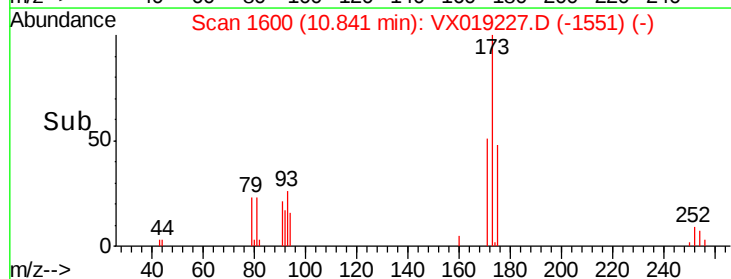
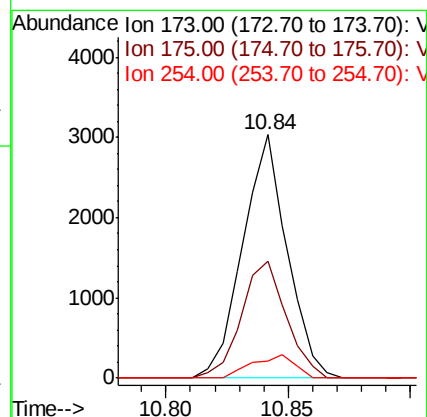
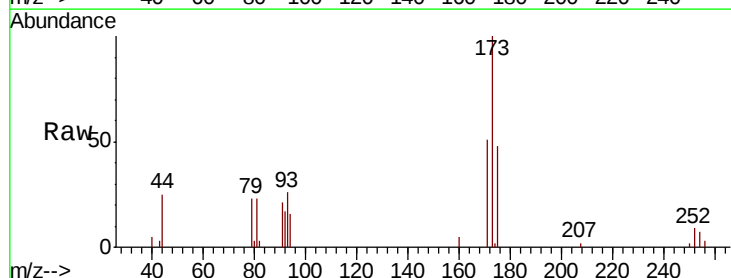
Tgt Ion: 173 Resp: 3816

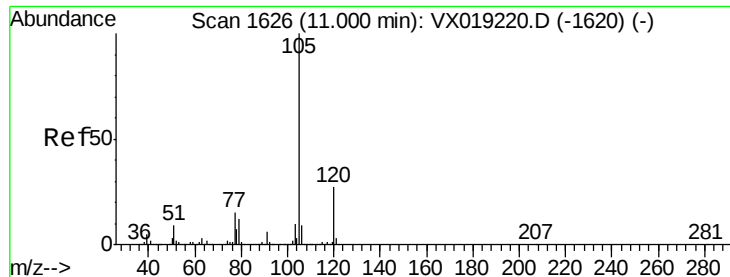
Ion Ratio Lower Upper

173 100

175 48.7 39.7 59.5

254 9.2 8.2 12.4





#60

Isopropylbenzene

Concen: 2.249 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX019227.D

Acq: 03 Nov 2020 12:17

Instrument :

MSVOA_X

ClientSampleId :

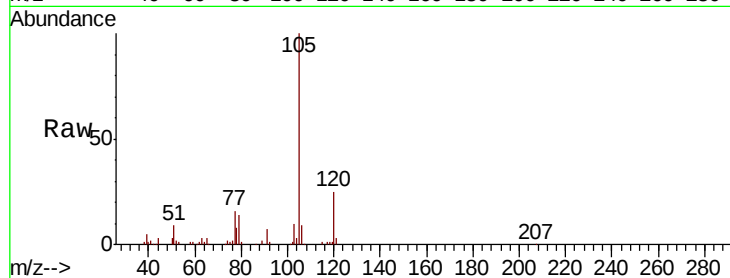
Tot Ion: 105 Resp: 28123

Ion Ratio Lower Upper

105 100

120 25.1 21.1 31.7

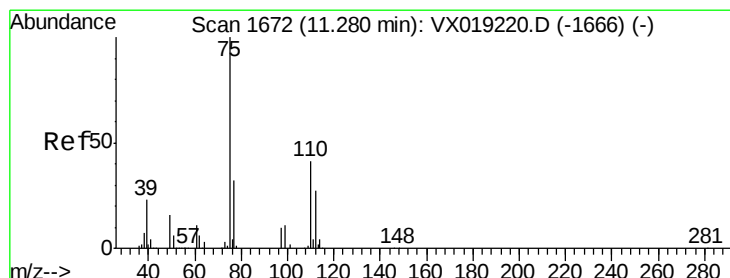
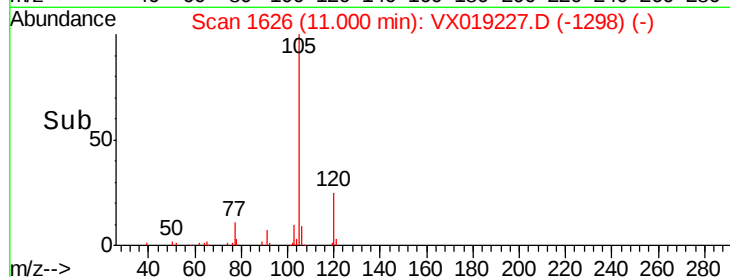
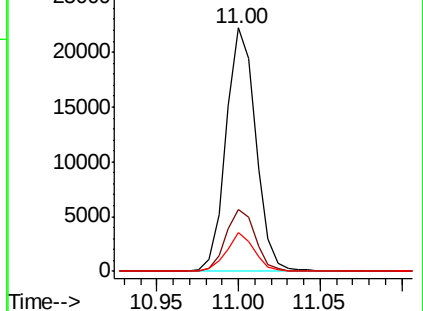
77 14.7 12.6 19.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#61

1,2,3-Trichloropropane

Concen: 2.405 ug/L

RT: 11.28 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VX019227.D

Acq: 03 Nov 2020 12:17

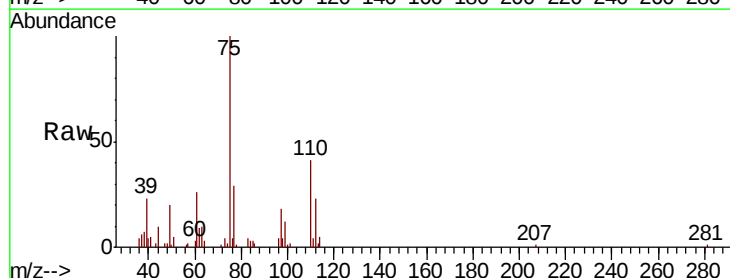
Tgt Ion: 75 Resp: 7548

Ion Ratio Lower Upper

75 100

77 32.1 25.4 38.0

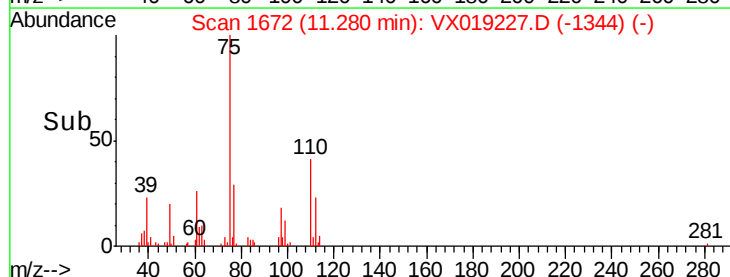
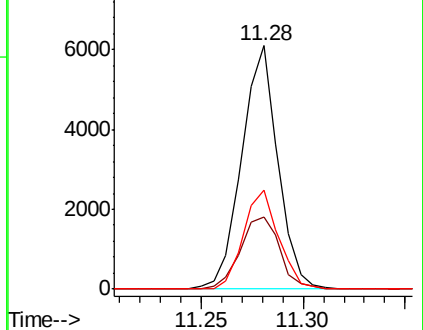
110 39.2 32.2 48.2

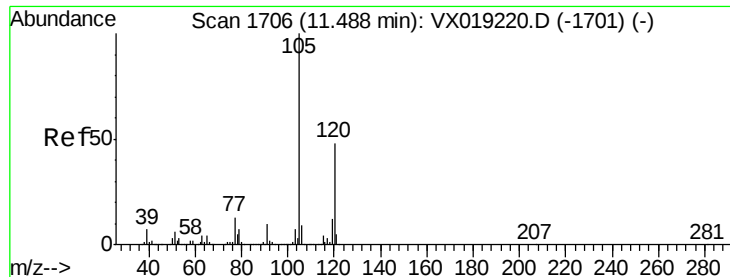


Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 110.00 (109.70 to 110.70): V





#62

1,3,5-Trimethylbenzene

Concen: 2.131 ug/L

RT: 11.49 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VX019227.D

Acq: 03 Nov 2020 12:17

Instrument :

MSVOA_X

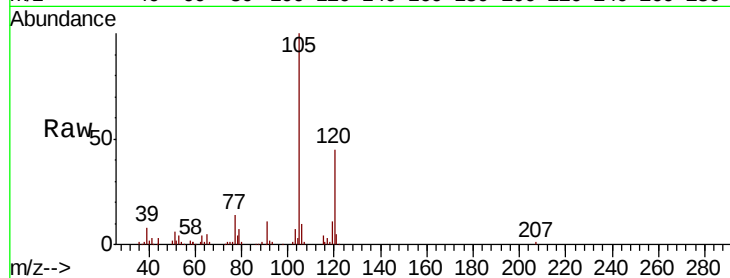
ClientSampleId :

Tot Ion:105 Resp: 21924

Ion Ratio Lower Upper

105 100

120 47.0 38.8 58.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.49

20000

15000

10000

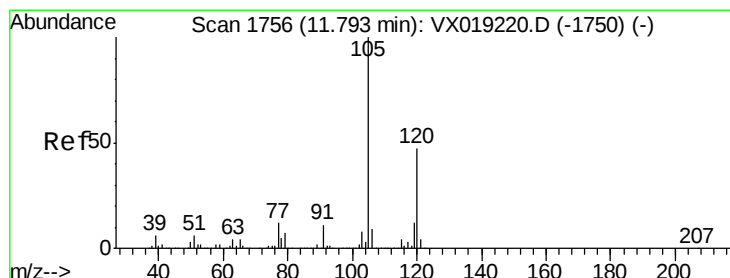
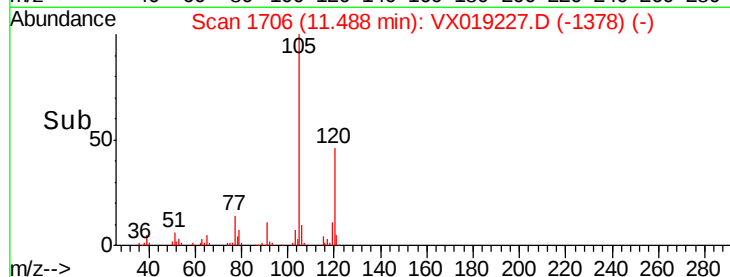
5000

0

Time-->

11.45

11.50



#63

1,2,4-Trimethylbenzene

Concen: 2.199 ug/L

RT: 11.79 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VX019227.D

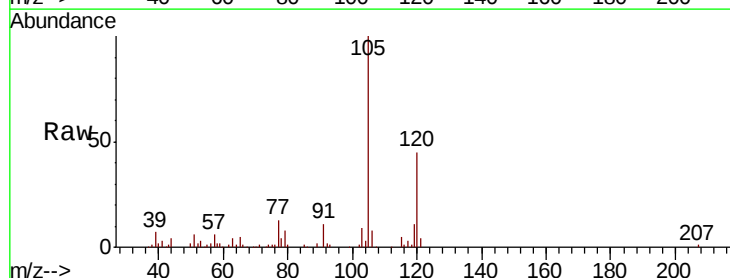
Acq: 03 Nov 2020 12:17

Tgt Ion:105 Resp: 21397

Ion Ratio Lower Upper

105 100

120 43.5 36.0 54.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

20000

15000

10000

5000

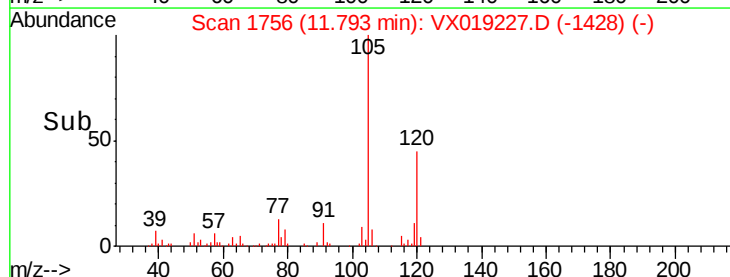
0

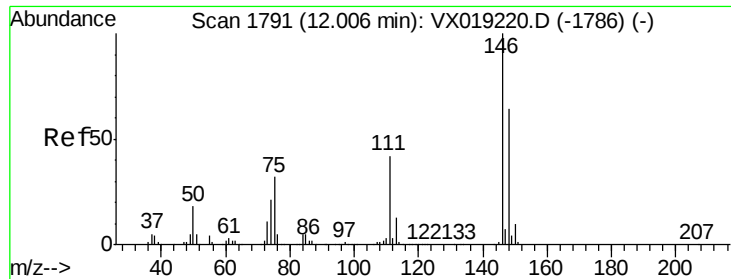
Time-->

11.75

11.80

11.85





#64

1,3-Dichlorobenzene

Concen: 2.209 ug/L

RT: 12.01 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX019227.D

Acq: 03 Nov 2020 12:17

Instrument :

MSVOA_X

ClientSampled :

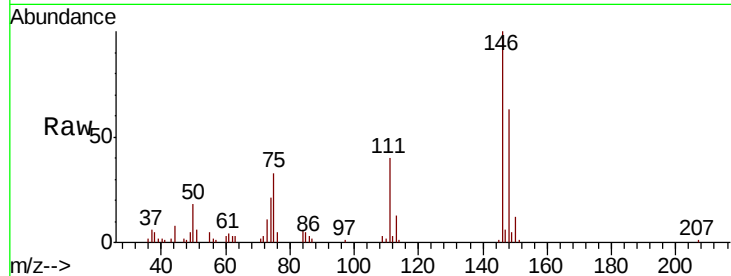
Tot Ion:146 Resp: 11924

Ion Ratio Lower Upper

146 100

111 40.3 29.7 55.1

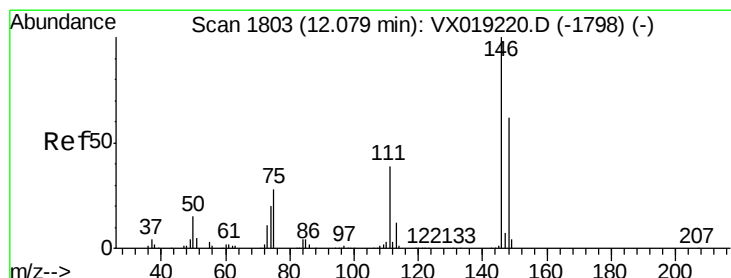
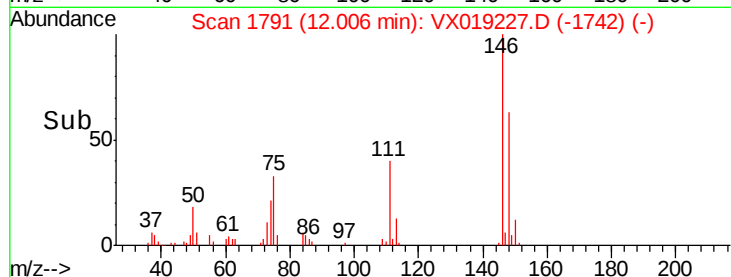
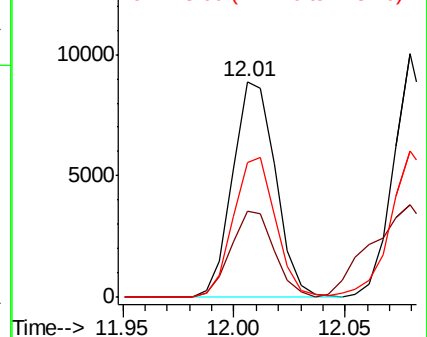
148 62.8 44.5 82.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,4-Dichlorobenzene

Concen: 2.222 ug/L

RT: 12.08 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VX019227.D

Acq: 03 Nov 2020 12:17

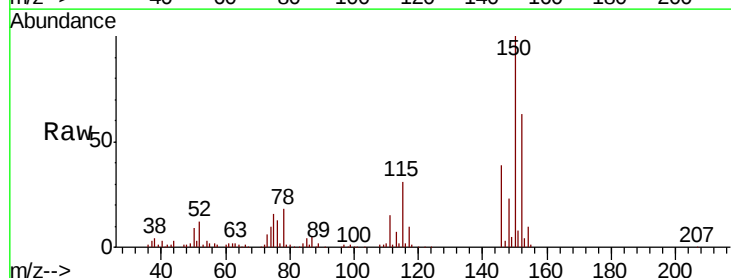
Tgt Ion:146 Resp: 12172

Ion Ratio Lower Upper

146 100

111 37.9 28.1 52.3

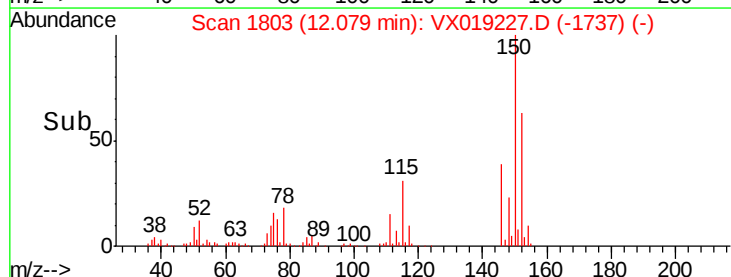
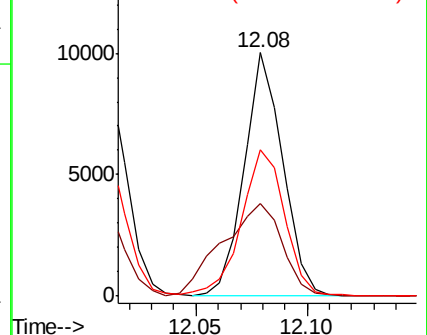
148 60.1 43.8 81.4

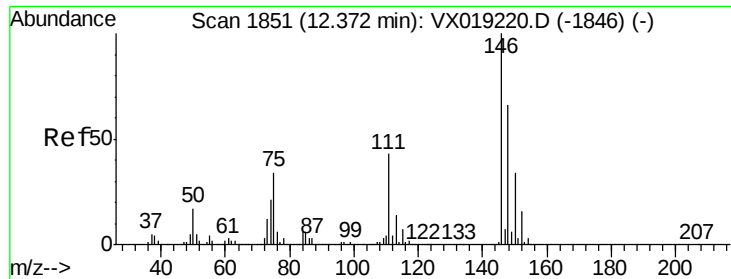


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#67

1,2-Dichlorobenzene

Concen: 2.298 ug/L

RT: 12.37 min Scan# 1851

Delta R.T. 0.00 min

Lab File: VX019227.D

Acq: 03 Nov 2020 12:17

Instrument :

MSVOA_X

ClientSampled :

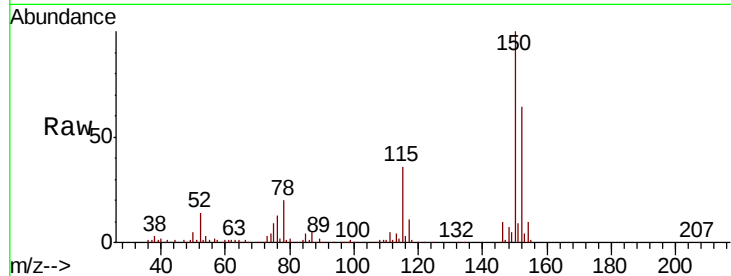
Tot Ion:146 Resp: 12012

Ion Ratio Lower Upper

146 100

111 52.4 35.9 53.9

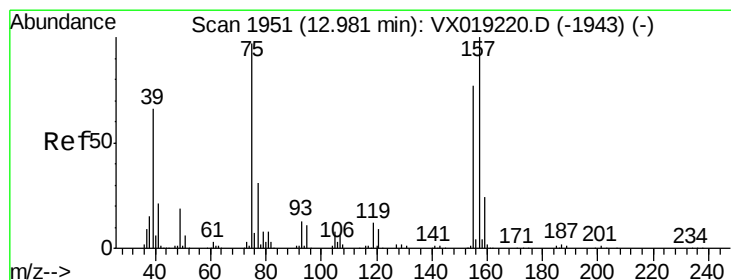
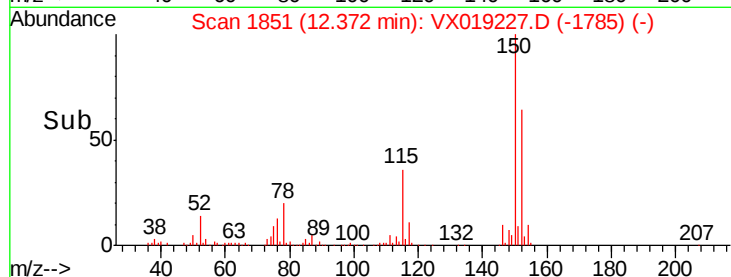
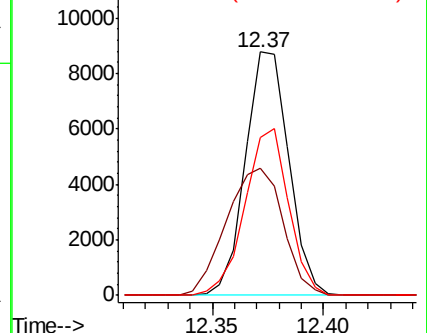
148 65.0 52.2 78.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#68

1,2-Dibromo-3-chloropropane

Concen: 2.072 ug/L

RT: 12.98 min Scan# 1951

Delta R.T. 0.00 min

Lab File: VX019227.D

Acq: 03 Nov 2020 12:17

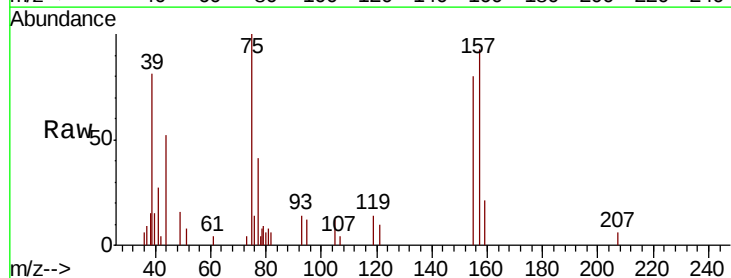
Tgt Ion: 75 Resp: 1771

Ion Ratio Lower Upper

75 100

155 79.9 65.8 98.8

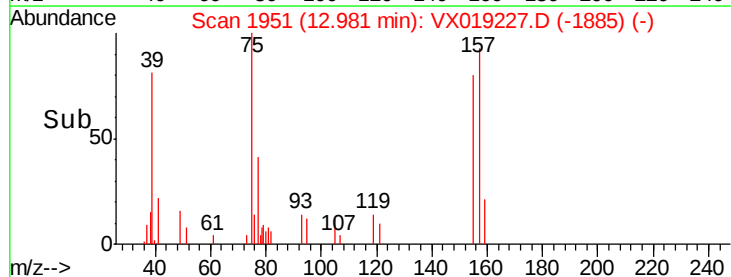
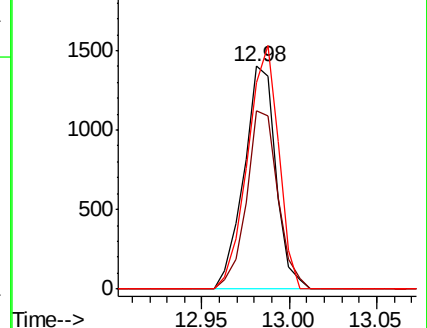
157 92.8 82.6 123.8

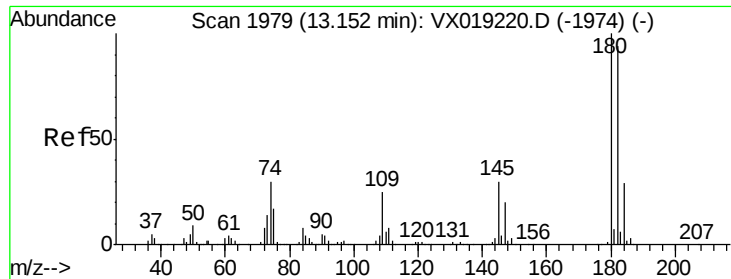


Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

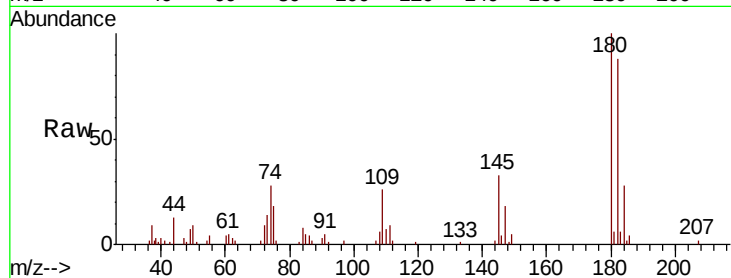




#69
 1,3,5-Trichlorobenzene
 Concen: 2.088 ug/L
 RT: 13.15 min Scan# 1979
 Delta R.T. 0.00 min
 Lab File: VX019227.D
 Acq: 03 Nov 2020 12:17

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.0	78.8	118.2
184	29.6	25.2	37.8
145	32.3	25.8	38.6



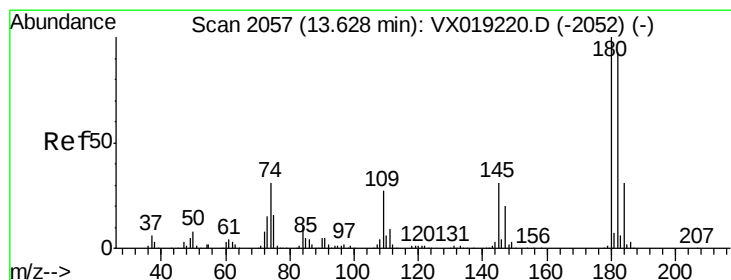
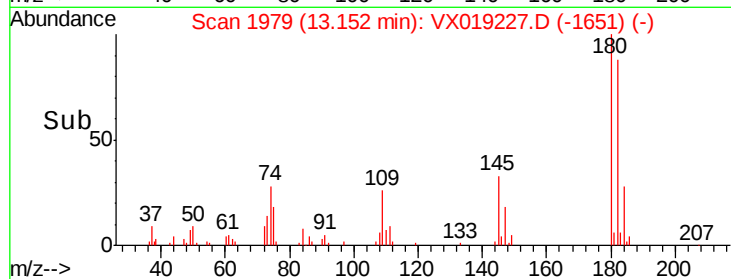
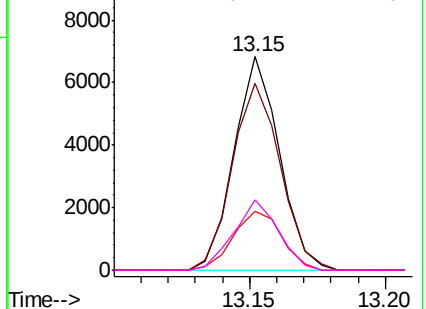
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

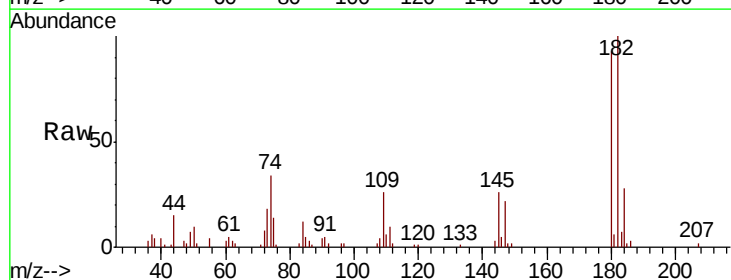
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 2.022 ug/L
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX019227.D
 Acq: 03 Nov 2020 12:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	74.6	111.8
145	30.4	25.4	38.0

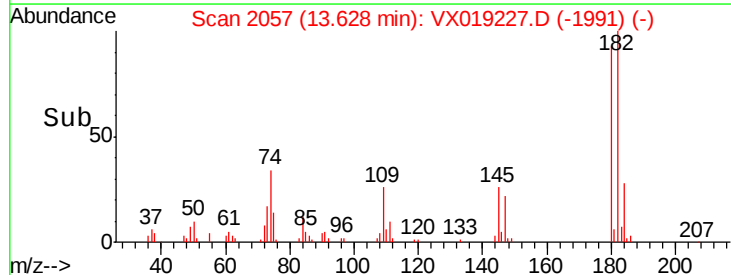
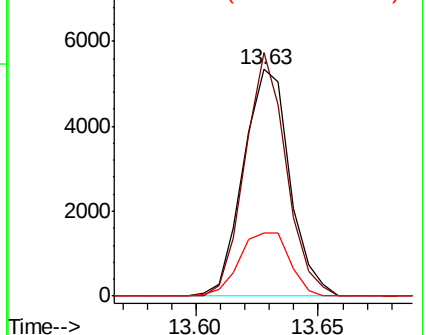


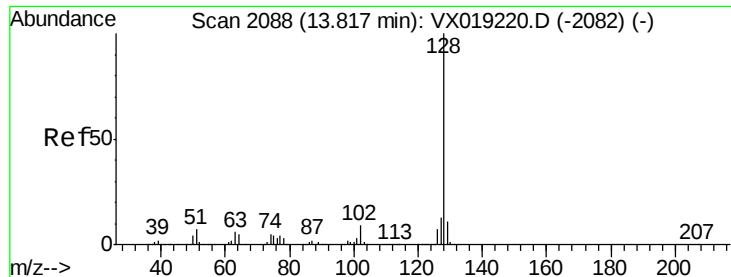
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

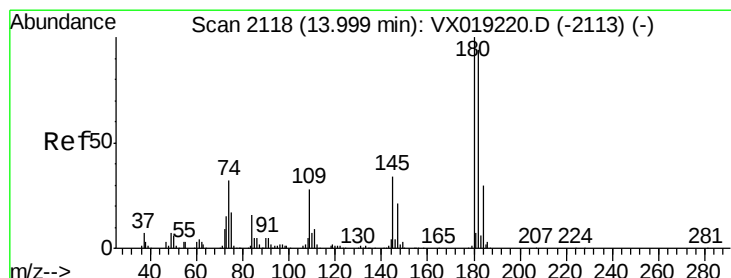
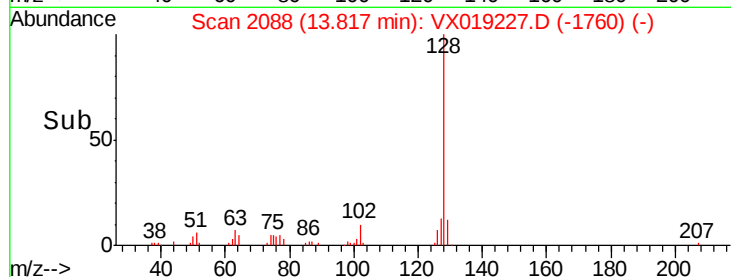
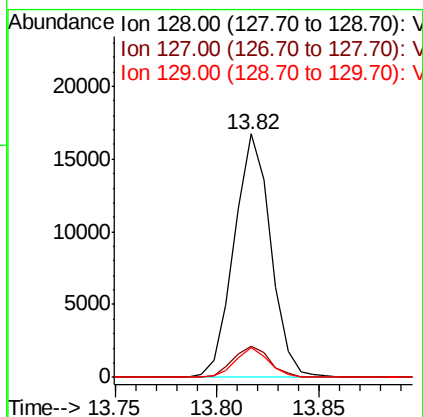
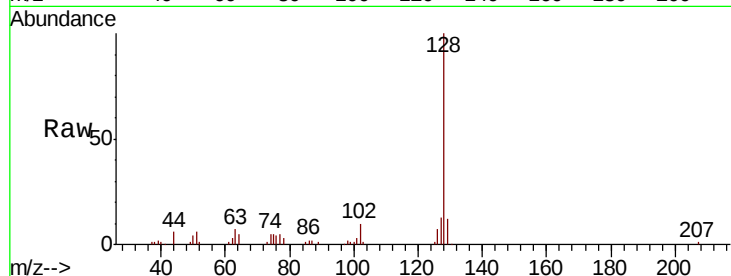




#71
Naphthalene
Concen: 1.848 ug/L
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX019227.D
Acq: 03 Nov 2020 12:17

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:128 Resp: 20823
Ion Ratio Lower Upper
128 100
127 12.6 10.1 15.1
129 11.2 8.5 12.7



#72
1,2,3-Trichlorobenzene
Concen: 1.961 ug/L
RT: 14.01 min Scan# 2119
Delta R.T. 0.01 min
Lab File: VX019227.D
Acq: 03 Nov 2020 12:17

Tgt Ion:180 Resp: 6688
Ion Ratio Lower Upper
180 100
182 97.2 75.3 112.9
145 36.2 27.1 40.7

