

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110320\
 Data File : VX019229.D
 Acq On : 03 Nov 2020 13:02
 Operator : JC/MD
 Sample : L4485-12
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 04 01:23:31 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	6.83	114	439701	50.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	407891	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.06	152	180820	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	173742	45.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.80%
7) Chloroethane-d5	1.70	69	139929	49.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.56%
11) 1,1-Dichloroethene-d2	2.34	63	233727	37.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.84%
21) 2-Butanone-d5	4.53	46	212735	110.16	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.16%
24) Chloroform-d	5.14	84	293274	47.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.14%
26) 1,2-Dichloroethane-d4	6.03	65	204342	46.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.30%
32) Benzene-d6	6.05	84	624669	49.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.66%
36) 1,2-Dichloropropane-d6	7.37	67	187490	50.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.30%
41) Toluene-d8	8.70	98	573931	44.65	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.30%
43) trans-1,3-Dichloropropene-	8.99	79	96235	48.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.06%
47) 2-Hexanone-d5	9.43	63	168207	108.92	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.92%
56) 1,1,2,2-Tetrachloroethane-	11.23	84	220829	50.07	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.14%
66) 1,2-Dichlorobenzene-d4	12.36	152	184298	50.76	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.52%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	6750	2.422 ug/L	95
3) Chloromethane	1.31	50	7501	2.649 ug/L	97
5) Vinyl chloride	1.39	62	8935	2.800 ug/L #	69
6) Bromomethane	1.64	94	5565	2.639 ug/L	96
8) Chloroethane	1.72	64	5417	2.724 ug/L	94
9) Trichlorofluoromethane	1.92	101	11978	2.530 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.37	101	8779	3.215 ug/L #	83
12) 1,1-Dichloroethene	2.36	96	8401	3.170 ug/L #	1
13) Acetone	2.43	43	6418	5.378 ug/L	98
14) Carbon disulfide	2.56	76	19137	2.393 ug/L	98
15) Methyl Acetate	2.75	43	8036	3.085 ug/L	95
16) Methylene chloride	2.84	84	8169	2.765 ug/L	96
17) trans-1,2-Dichloroethene	3.15	96	7194	2.525 ug/L	90
18) Methyl tert-butyl Ether	3.17	73	22198	2.465 ug/L	97
19) 1,1-Dichloroethane	3.67	63	12431	2.456 ug/L	95
20) cis-1,2-Dichloroethene	4.57	96	8144	2.603 ug/L	93
22) 2-Butanone	4.64	43	10245	5.436 ug/L	96

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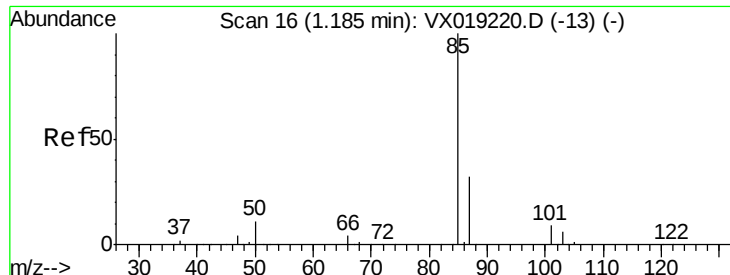
Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 04 01:23:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SFAMXLM110220WMA.M
 Quant Title : VOC Analysis
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 Response via : Initial Calibration

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

23) Bromochloromethane	4.99	128	4194	2.661	ug/L	80
25) Chloroform	5.18	83	24976	4.701	ug/L	95
27) 1,2-Dichloroethane	6.17	62	11245	2.688	ug/L	99
29) Cyclohexane	5.55	56	11213	2.388	ug/L	98
30) 1,1,1-Trichloroethane	5.46	97	11939	2.428	ug/L	98
31) Carbon tetrachloride	5.75	117	9857	2.333	ug/L	100
33) Benzene	6.12	78	29832	2.547	ug/L	100
34) Trichloroethene	7.19	95	7767	2.430	ug/L	92
35) Methylcyclohexane	7.44	83	11816	2.336	ug/L	99
37) 1,2-Dichloropropane	7.49	63	7688	2.643	ug/L	98
38) Bromodichloromethane	7.87	83	9674	2.391	ug/L #	91
39) cis-1,3-Dichloropropene	8.42	75	11904	2.463	ug/L	95
40) 4-Methyl-2-pentanone	8.62	43	18676	5.250	ug/L	97
42) Toluene	8.76	91	39911	3.133	ug/L	98
44) trans-1,3-Dichloropropene	9.02	75	11852	2.517	ug/L	94
45) 1,1,2-Trichloroethane	9.20	97	7267	2.543	ug/L	95
46) Tetrachloroethene	9.32	164	5781	2.397	ug/L	94
48) 2-Hexanone	9.48	43	17517	6.249	ug/L	98
49) Dibromochloromethane	9.56	129	7330	2.345	ug/L	93
50) 1,2-Dibromoethane	9.65	107	7706	2.578	ug/L	86
51) Chlorobenzene	10.12	112	20254	2.557	ug/L	98
52) Ethylbenzene	10.23	91	34228	2.485	ug/L	97
53) m,p-Xylene	10.34	106	12707	2.456	ug/L	93
54) o-Xylene	10.68	106	11835	2.363	ug/L	96
55) Styrene	10.70	104	18936	2.241	ug/L	100
57) 1,1,2,2-Tetrachloroethane	11.25	83	10361	2.645	ug/L #	98
59) Bromoform	10.84	173	4343	2.217	ug/L #	96
60) Isopropylbenzene	11.00	105	31042	2.530	ug/L	98
61) 1,2,3-Trichloropropane	11.28	75	8508	2.762	ug/L	99
62) 1,3,5-Trimethylbenzene	11.49	105	23654	2.343	ug/L	99
63) 1,2,4-Trimethylbenzene	11.79	105	23508	2.462	ug/L	100
64) 1,3-Dichlorobenzene	12.01	146	13087	2.470	ug/L	97
65) 1,4-Dichlorobenzene	12.08	146	13757	2.559	ug/L	96
67) 1,2-Dichlorobenzene	12.37	146	13183	2.570	ug/L #	93
68) 1,2-Dibromo-3-chloropropan	12.98	75	1978	2.358	ug/L	93
69) 1,3,5-Trichlorobenzene	13.15	180	8744	2.356	ug/L	99
70) 1,2,4-trichlorobenzene	13.63	180	7719	2.257	ug/L	96
71) Naphthalene	13.82	128	24034	2.173	ug/L	99
72) 1,2,3-Trichlorobenzene	14.00	180	7860	2.349	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 2.422 ug/L

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX019229.D

Acq: 03 Nov 2020 13:02

Instrument :

MSVOA_X

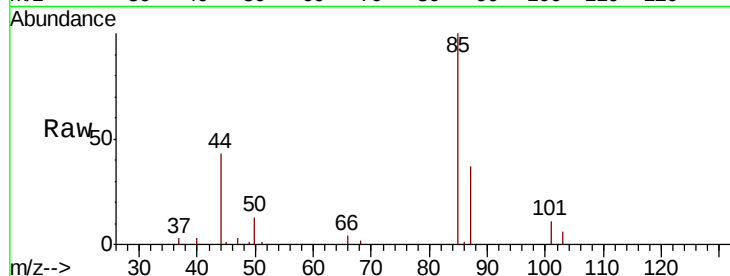
ClientSampleId :

Tot Ion: 85 Resp: 6750

Ion Ratio Lower Upper

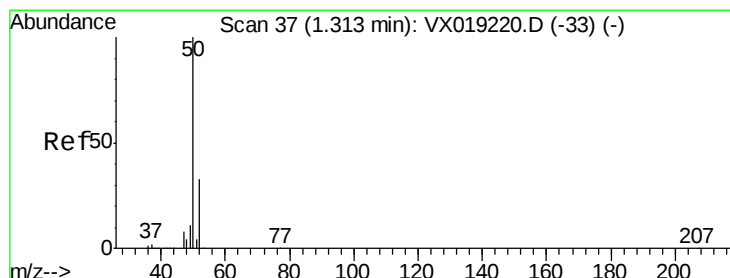
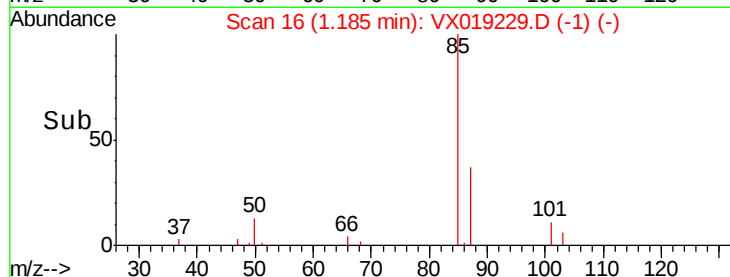
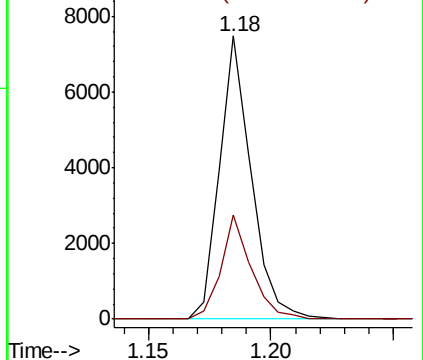
85 100

87 35.1 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#3

Chloromethane

Concen: 2.649 ug/L

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX019229.D

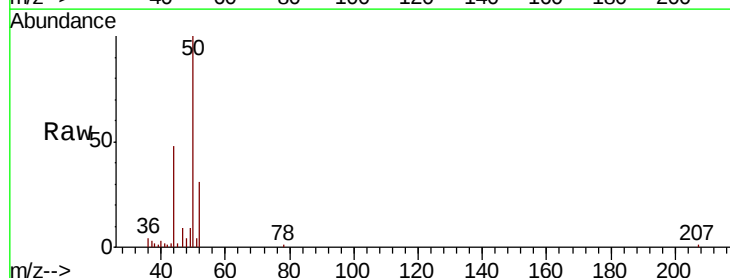
Acq: 03 Nov 2020 13:02

Tgt Ion: 50 Resp: 7501

Ion Ratio Lower Upper

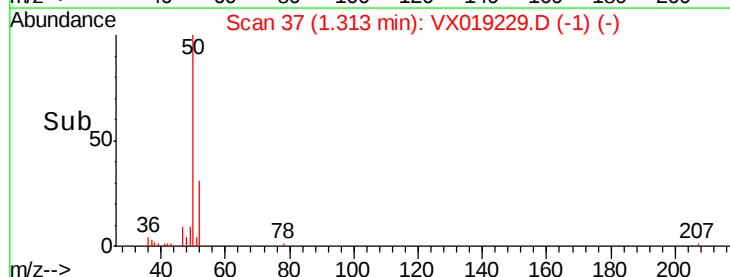
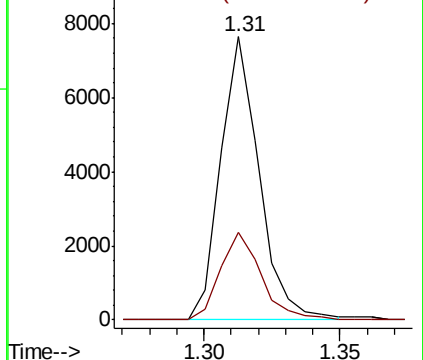
50 100

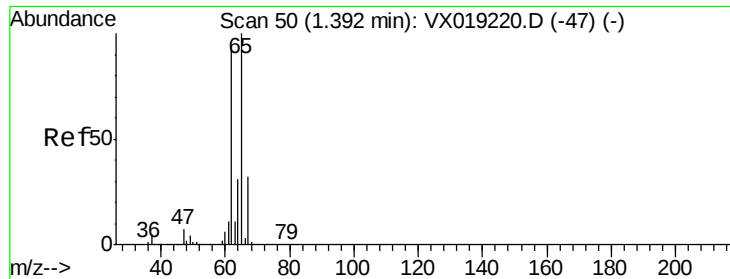
52 31.0 22.8 42.4



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





#5

Vinyl chloride

Concen: 2.800 ug/L

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX019229.D

Acq: 03 Nov 2020 13:02

Instrument :

MSVOA_X

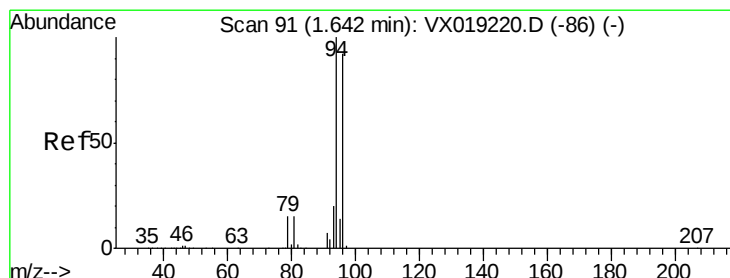
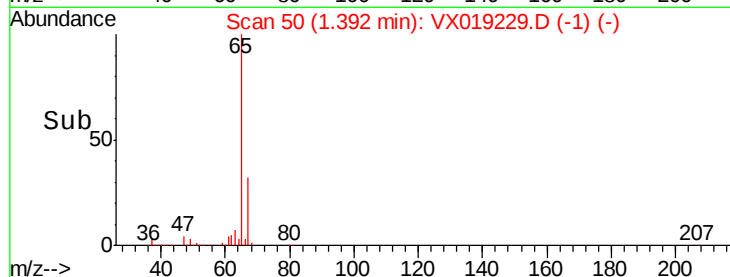
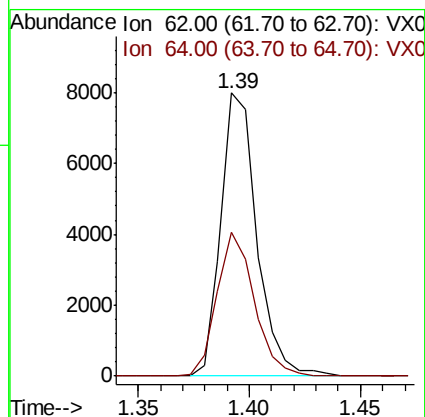
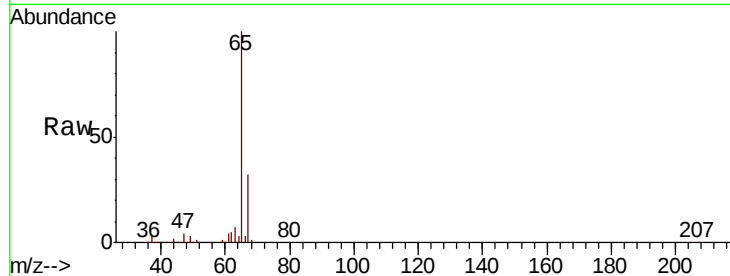
ClientSampled :

Tot Ion: 62 Resp: 8935

Ion Ratio Lower Upper

62 100

64 51.0 23.4 43.6#



#6

Bromomethane

Concen: 2.639 ug/L

RT: 1.64 min Scan# 91

Delta R.T. 0.00 min

Lab File: VX019229.D

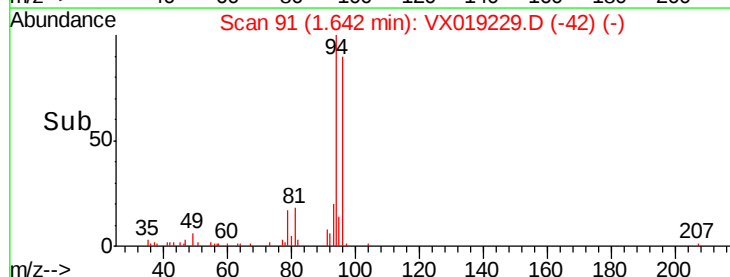
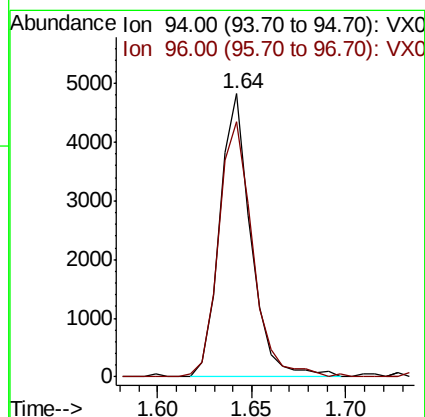
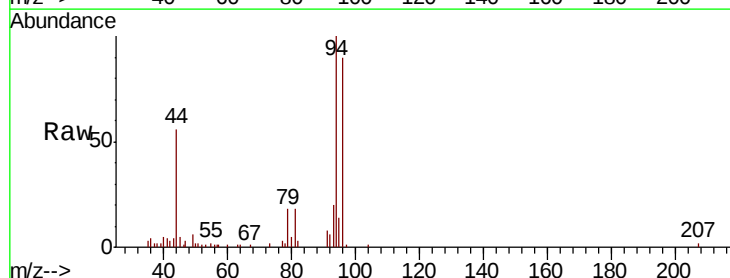
Acq: 03 Nov 2020 13:02

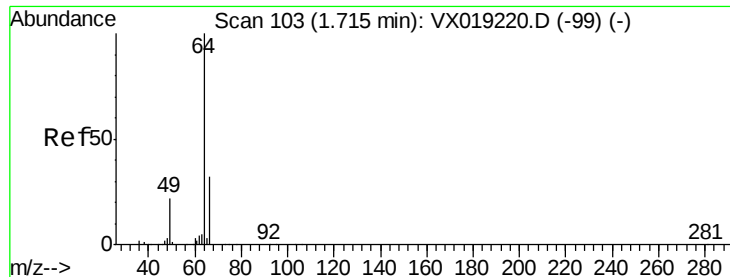
Tgt Ion: 94 Resp: 5565

Ion Ratio Lower Upper

94 100

96 90.2 66.0 122.6

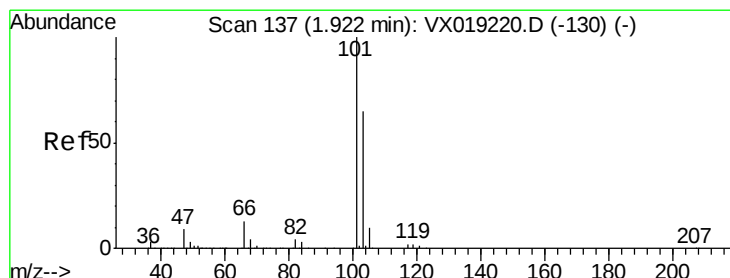
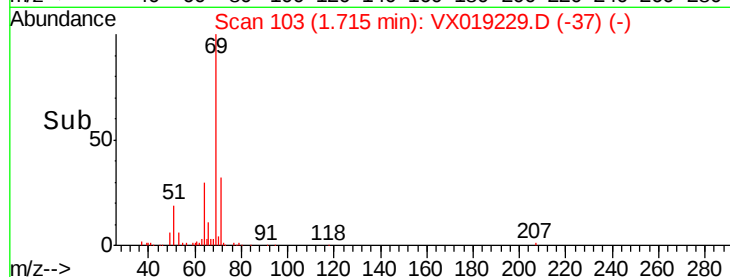
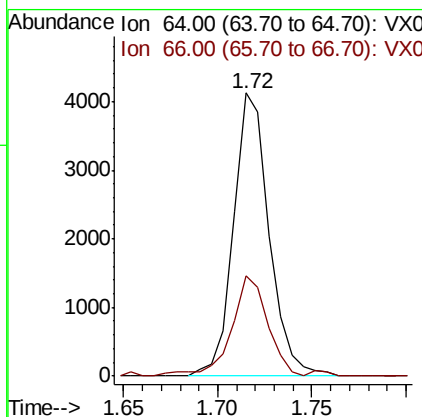
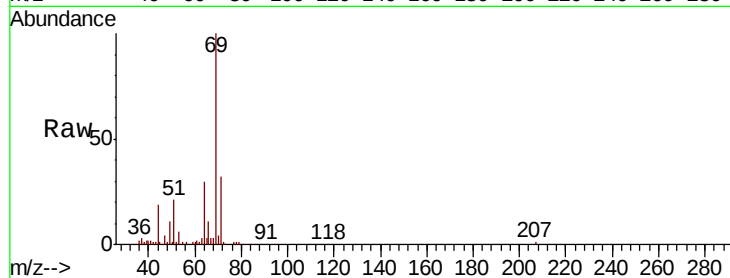




#8
Chloroethane
Concen: 2.724 ug/L
RT: 1.72 min Scan# 103
Delta R.T. 0.00 min
Lab File: VX019229.D
Acq: 03 Nov 2020 13:02

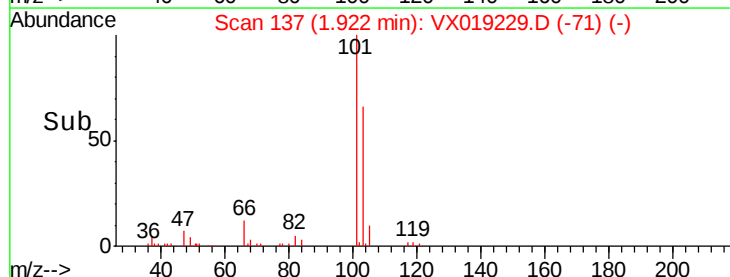
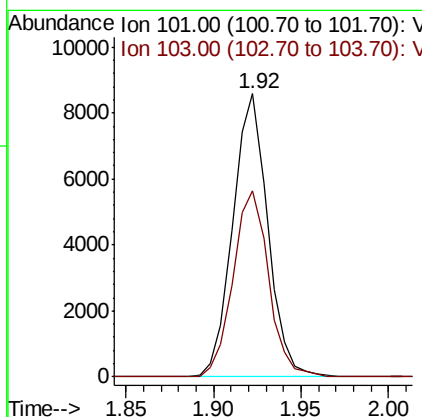
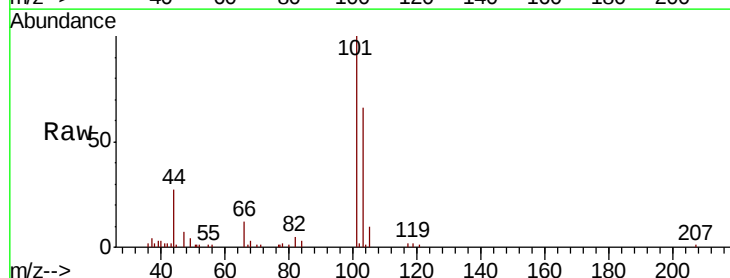
Instrument :
MSVOA_X
ClientSampleId :

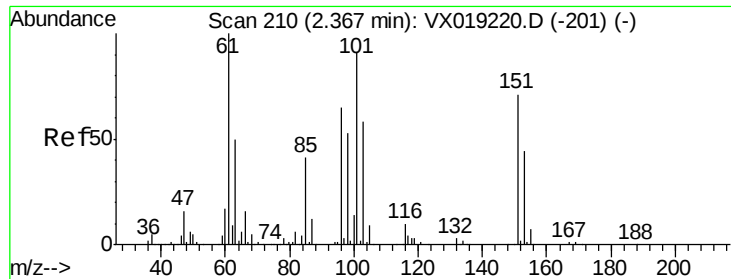
Tot Ion: 64 Resp: 5417
Ion Ratio Lower Upper
64 100
66 35.7 22.5 41.9



#9
Trichlorofluoromethane
Concen: 2.530 ug/L
RT: 1.92 min Scan# 137
Delta R.T. 0.00 min
Lab File: VX019229.D
Acq: 03 Nov 2020 13:02

Tgt Ion: 101 Resp: 11978
Ion Ratio Lower Upper
101 100
103 66.7 51.3 76.9





#10

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

Concen: 3.215 ug/L

RT: 2.37 min Scan# 211

Delta R.T. 0.01 min

Lab File: VX019229.D

Acq: 03 Nov 2020 13:02

Instrument :

MSVOA_X

ClientSampled :

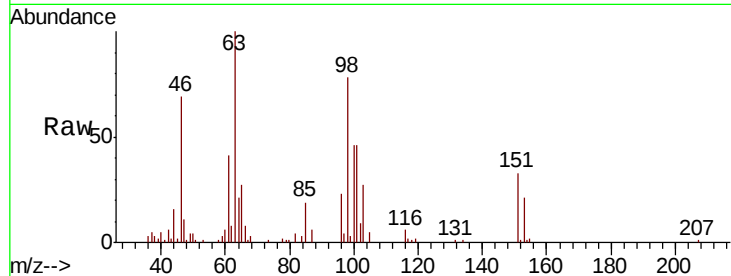
Tot Ion:101 Resp: 8779

Ion Ratio Lower Upper

101 100

85 34.9 35.0 52.4#

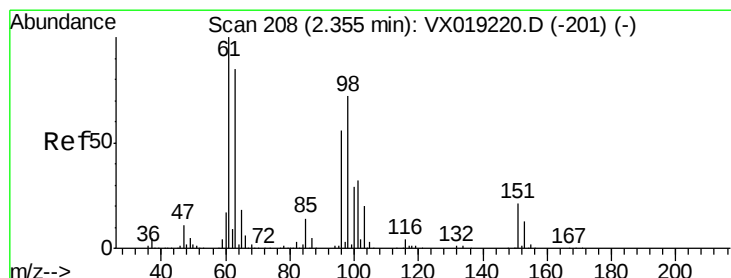
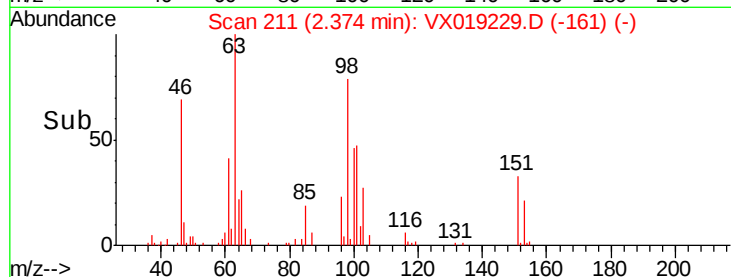
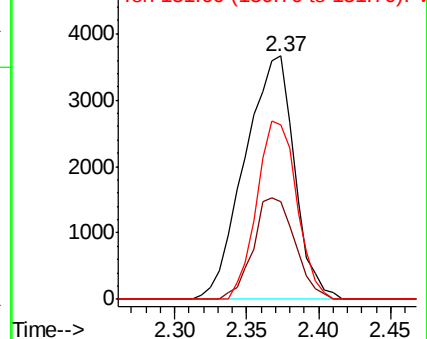
151 58.5 59.9 89.9#



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: 3.170 ug/L

RT: 2.36 min Scan# 208

Delta R.T. 0.00 min

Lab File: VX019229.D

Acq: 03 Nov 2020 13:02

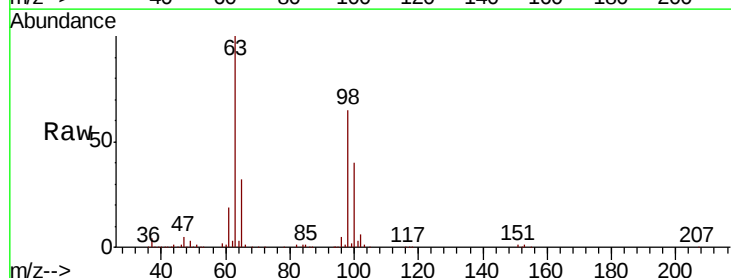
Tgt Ion: 96 Resp: 8401

Ion Ratio Lower Upper

96 100

61 377.3 115.1 213.8#

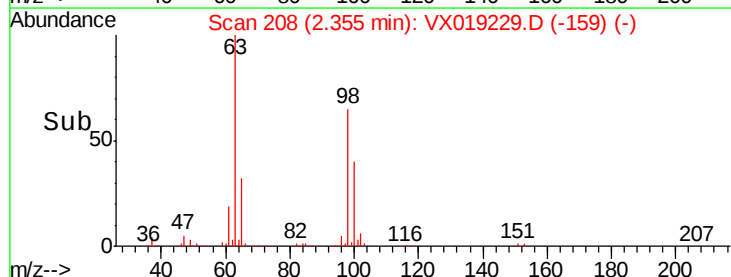
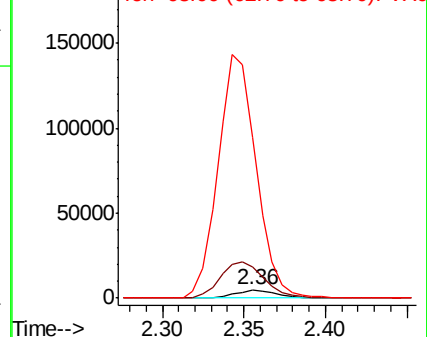
63 1967.5 78.3 145.5#

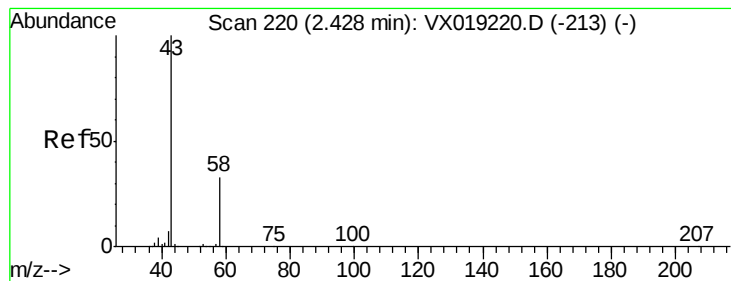


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 63.00 (62.70 to 63.70): VX0





#13

Acetone

Concen: 5.378 ug/L

RT: 2.43 min Scan# 220

Delta R.T. 0.00 min

Lab File: VX019229.D

Acq: 03 Nov 2020 13:02

Instrument :

MSVOA_X

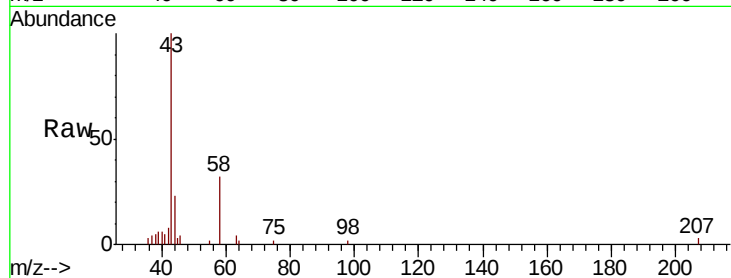
ClientSampleId :

Tot Ion: 43 Resp: 6418

Ion Ratio Lower Upper

43 100

58 31.4 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.43

4000

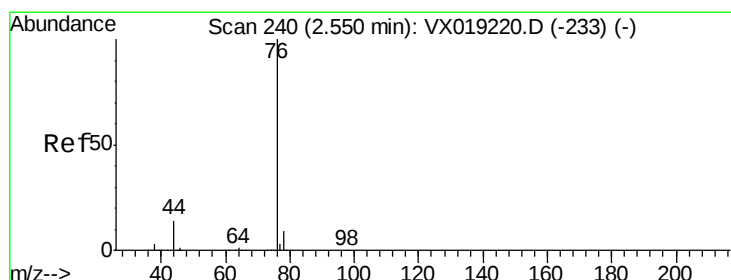
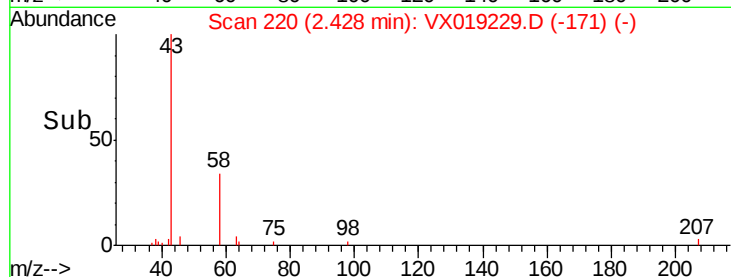
3000

2000

1000

0

Time--> 2.35 2.40 2.45 2.50



#14

Carbon disulfide

Concen: 2.393 ug/L

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX019229.D

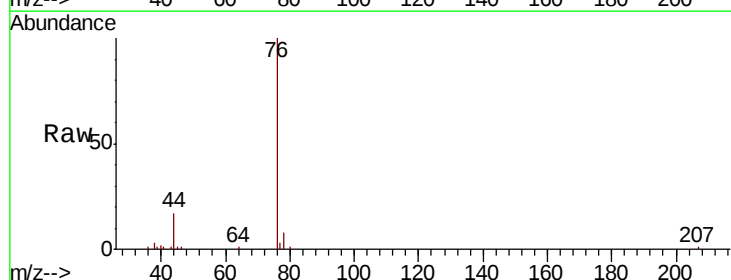
Acq: 03 Nov 2020 13:02

Tgt Ion: 76 Resp: 19137

Ion Ratio Lower Upper

76 100

78 8.3 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0

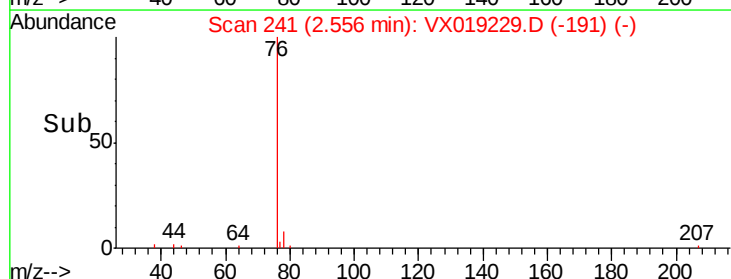
2.56

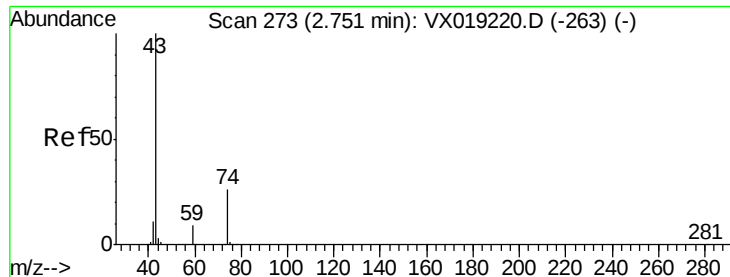
10000

5000

0

Time--> 2.50 2.55 2.60

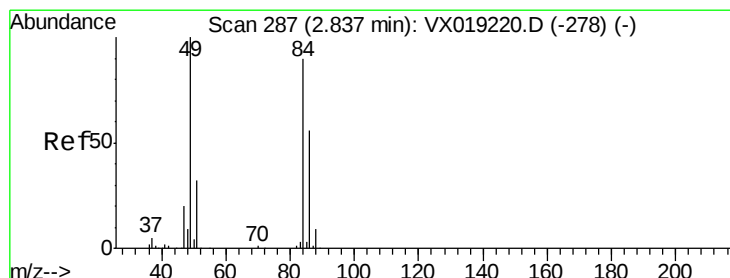
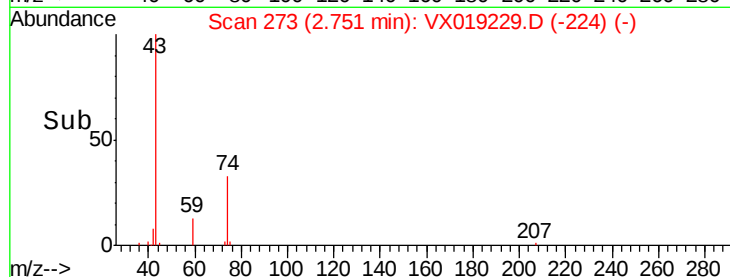
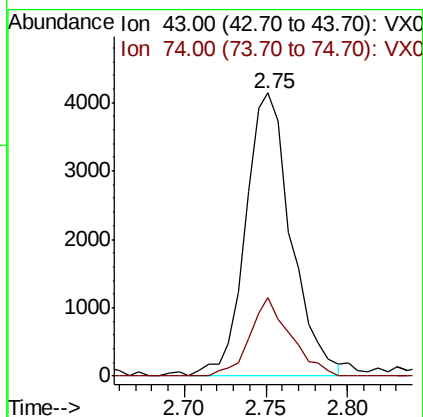
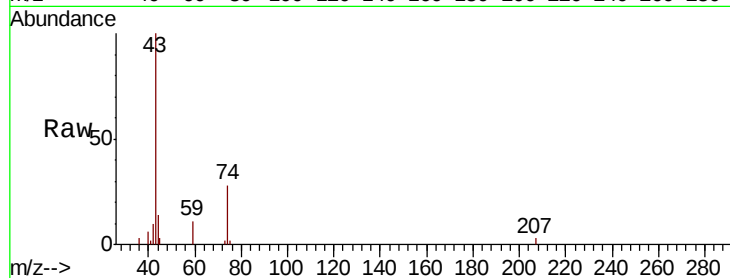




#15
Methyl Acetate
Concen: 3.085 ug/L
RT: 2.75 min Scan# 273
Delta R.T. 0.00 min
Lab File: VX019229.D
Acq: 03 Nov 2020 13:02

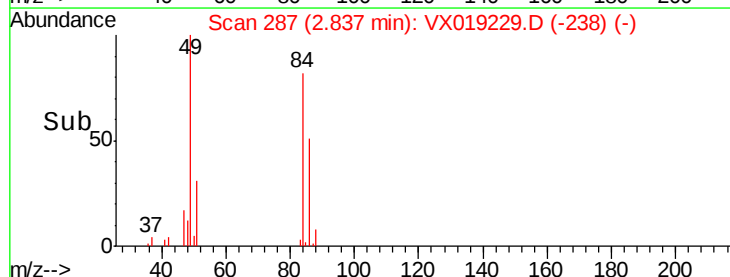
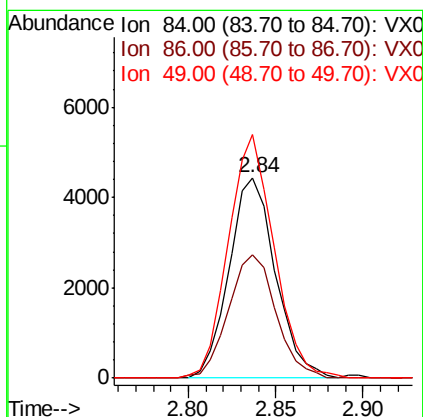
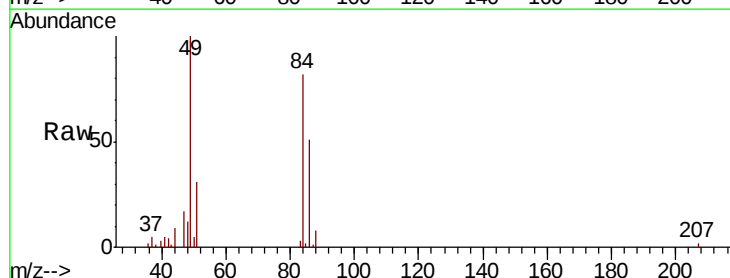
Instrument :
MSVOA_X
ClientSampled :

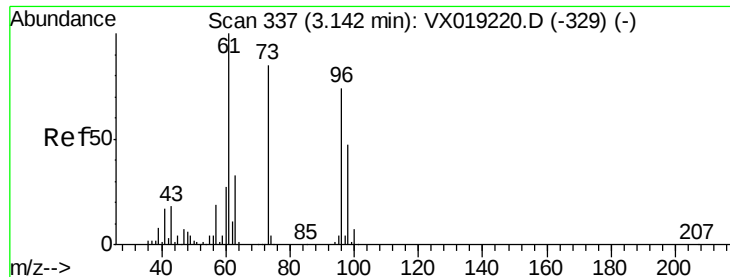
Tot Ion: 43 Resp: 8036
Ion Ratio Lower Upper
43 100
74 24.8 21.8 32.8



#16
Methylene chloride
Concen: 2.765 ug/L
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX019229.D
Acq: 03 Nov 2020 13:02

Tgt Ion: 84 Resp: 8169
Ion Ratio Lower Upper
84 100
86 61.8 44.0 81.6
49 121.6 80.6 149.6

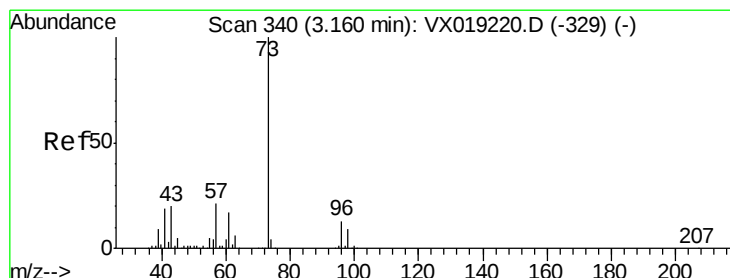
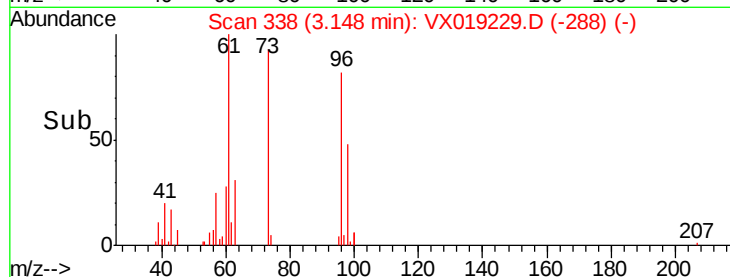
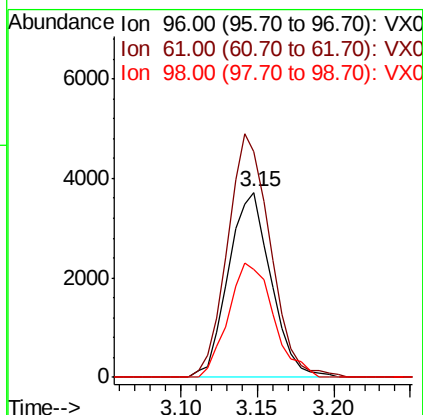
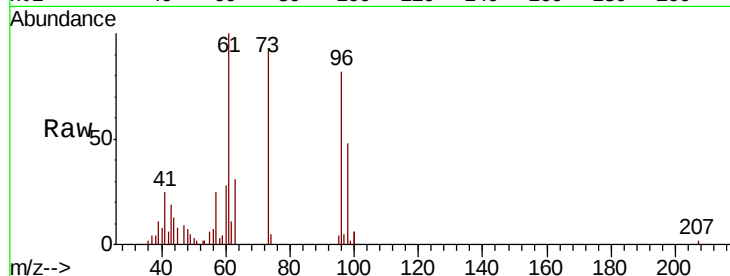




#17
trans-1,2-Dichloroethene
Concen: 2.525 ug/L
RT: 3.15 min Scan# 338
Delta R.T. 0.01 min
Lab File: VX019229.D
Acq: 03 Nov 2020 13:02

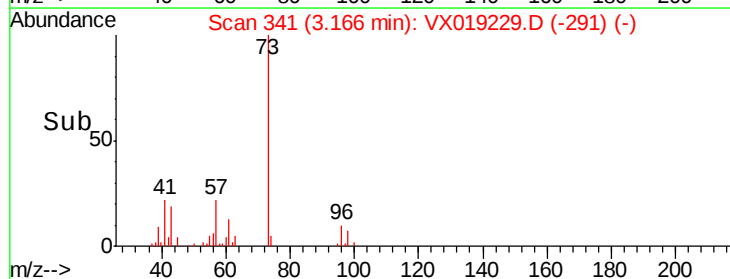
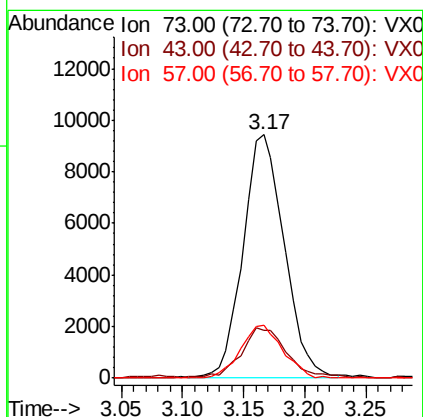
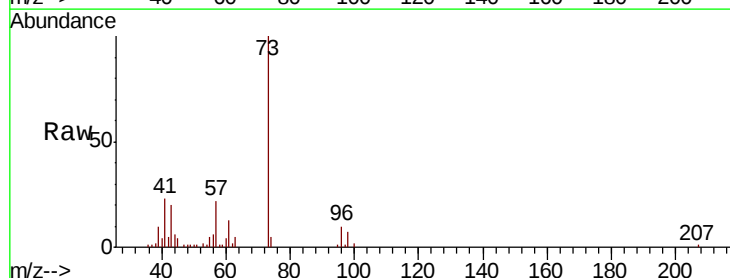
Instrument :
MSVOA_X
ClientSampleId :

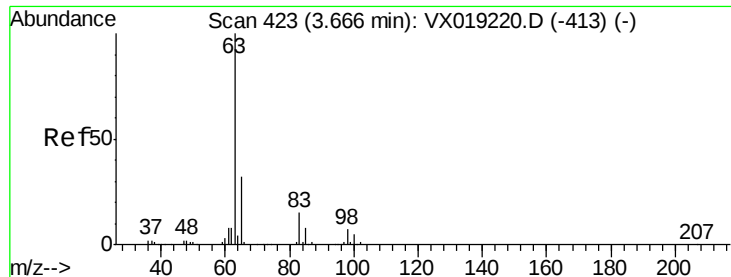
Tot Ion: 96 Resp: 7194
Ion Ratio Lower Upper
96 100
61 121.9 95.7 177.7
98 58.6 44.2 82.0



#18
Methyl tert-butyl Ether
Concen: 2.465 ug/L
RT: 3.17 min Scan# 341
Delta R.T. 0.01 min
Lab File: VX019229.D
Acq: 03 Nov 2020 13:02

Tgt Ion: 73 Resp: 22198
Ion Ratio Lower Upper
73 100
43 21.8 15.8 23.6
57 21.9 17.0 25.4





#19

1,1-Dichloroethane

Concen: 2.456 ug/L

RT: 3.67 min Scan# 424

Delta R.T. 0.01 min

Lab File: VX019229.D

Acq: 03 Nov 2020 13:02

Instrument :

MSVOA_X

ClientSampleId :

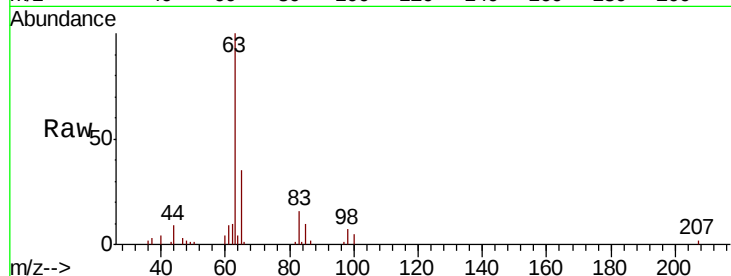
Tot Ion: 63 Resp: 12431

Ion Ratio Lower Upper

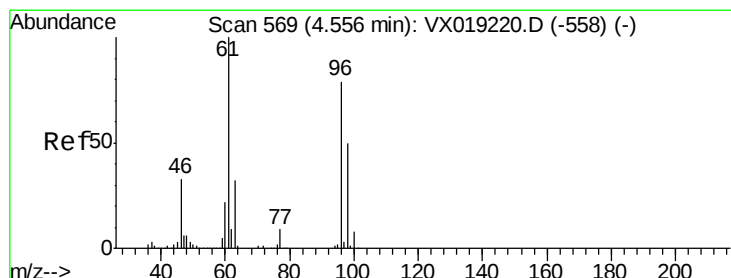
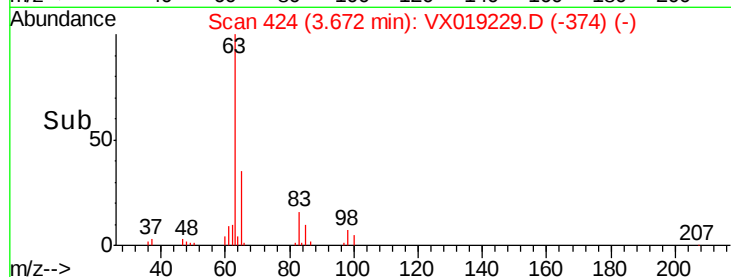
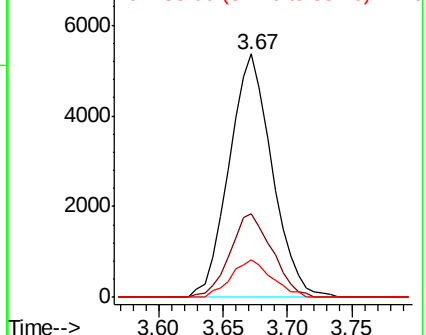
63 100

65 34.6 22.3 41.3

83 15.6 9.7 18.1



Abundance Ion 63.00 (62.70 to 63.70): VX0
Ion 65.00 (64.70 to 65.70): VX0
Ion 83.00 (82.70 to 83.70): VX0



#20

cis-1,2-Dichloroethene

Concen: 2.603 ug/L

RT: 4.57 min Scan# 571

Delta R.T. 0.01 min

Lab File: VX019229.D

Acq: 03 Nov 2020 13:02

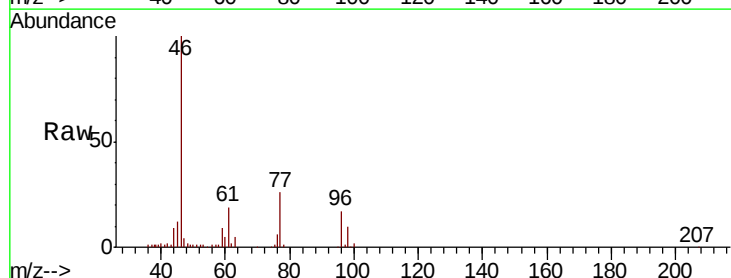
Tgt Ion: 96 Resp: 8144

Ion Ratio Lower Upper

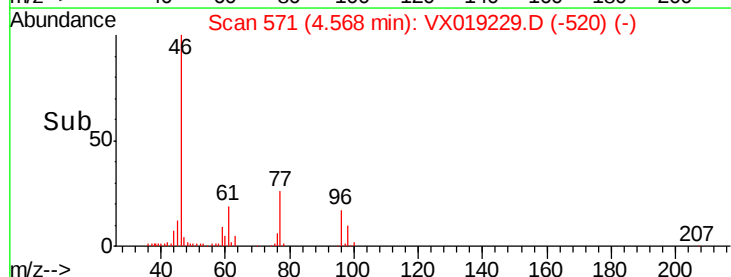
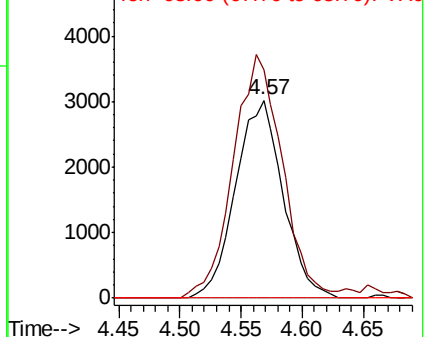
96 100

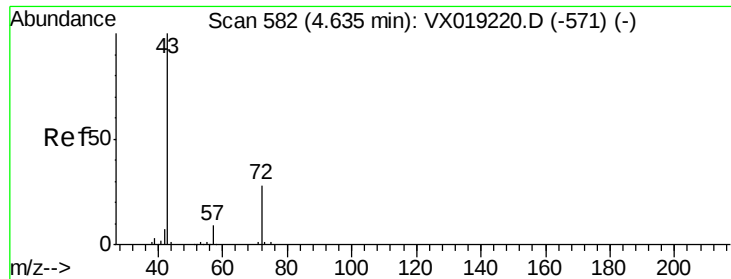
61 115.3 86.1 159.9

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 68.00 (67.70 to 68.70): VX0





#22

2-Butanone

Concen: 5.436 ug/L

RT: 4.64 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX019229.D

Acq: 03 Nov 2020 13:02

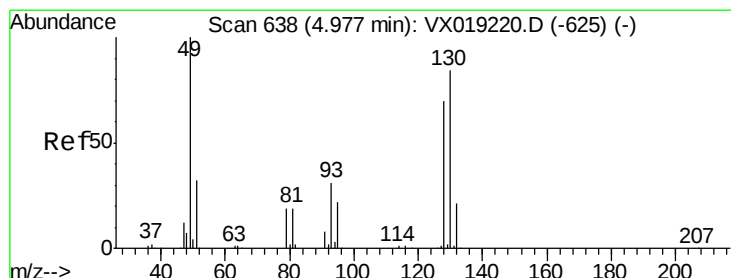
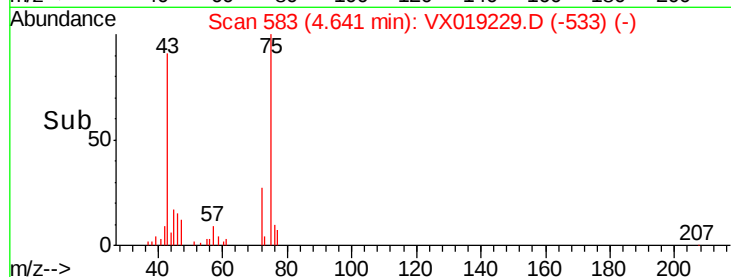
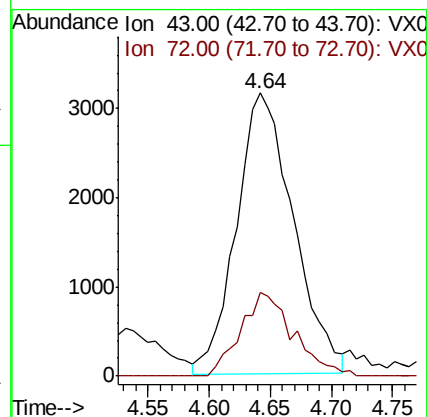
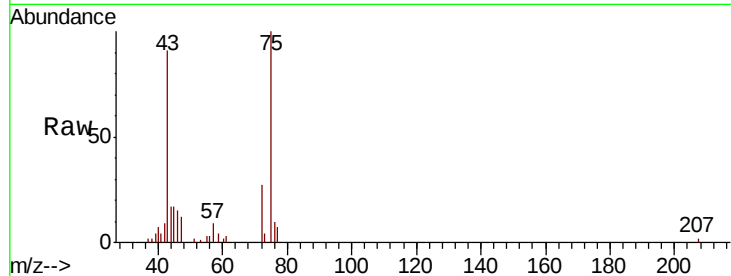
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 10245

Ion Ratio Lower Upper

43 100

72 27.7 15.0 45.0



#23

Bromochloromethane

Concen: 2.661 ug/L

RT: 4.99 min Scan# 640

Delta R.T. 0.01 min

Lab File: VX019229.D

Acq: 03 Nov 2020 13:02

Tgt Ion:128 Resp: 4194

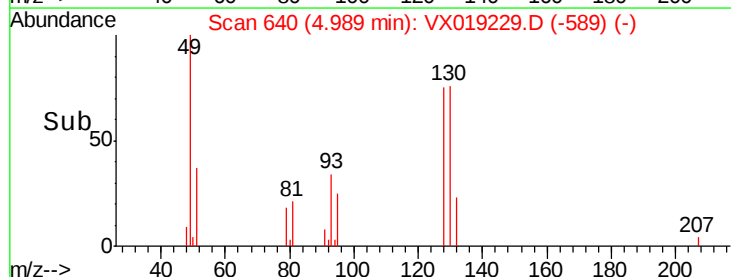
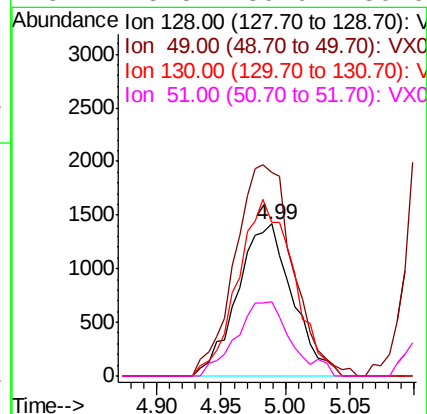
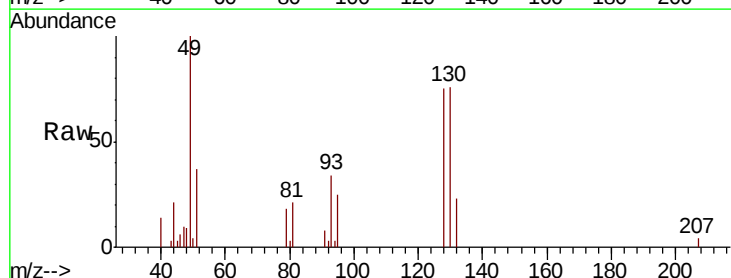
Ion Ratio Lower Upper

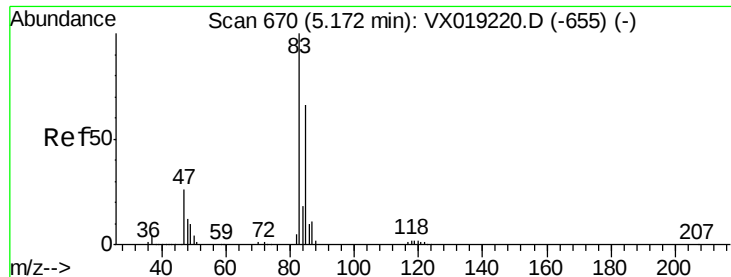
128 100

49 133.3 108.4 201.4

130 100.8 96.7 179.7

51 48.8 39.9 59.9

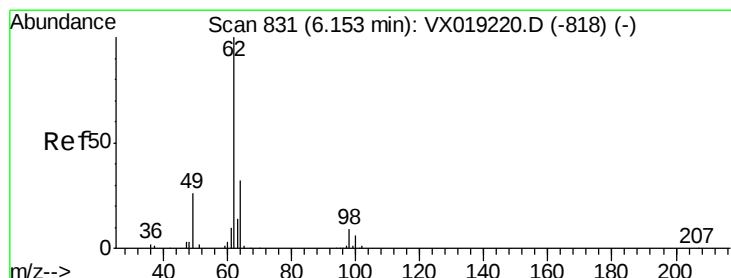
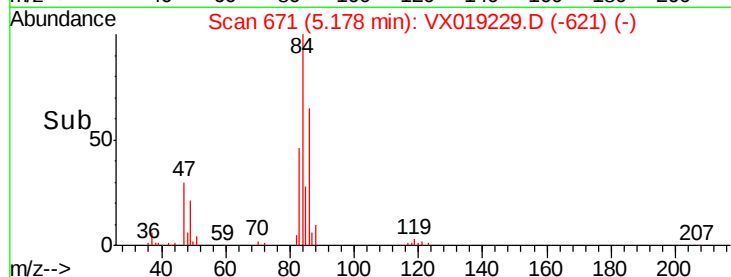
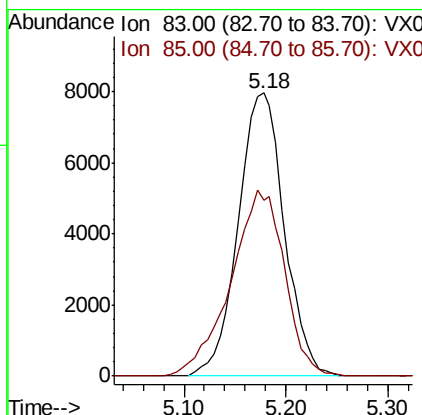
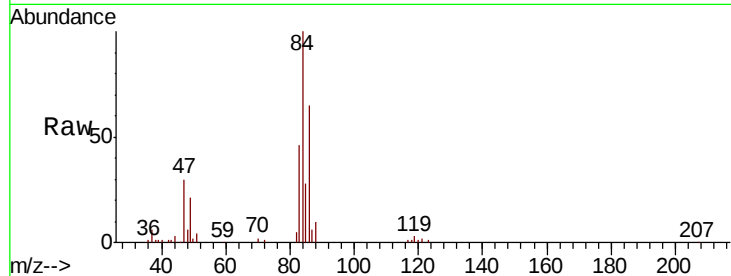




#25
Chloroform
Concen: 4.701 ug/L
RT: 5.18 min Scan# 671
Delta R.T. 0.01 min
Lab File: VX019229.D
Acq: 03 Nov 2020 13:02

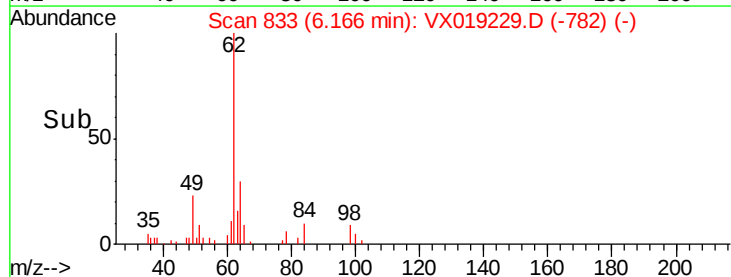
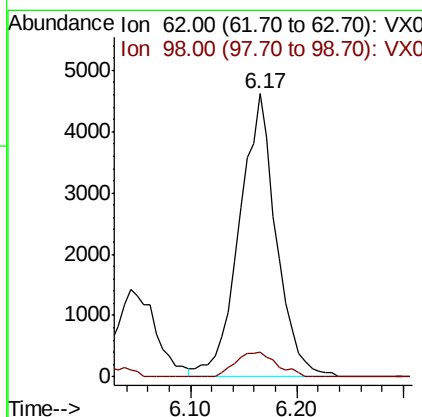
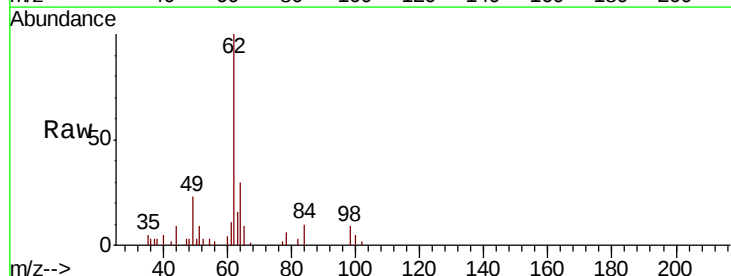
Instrument :
MSVOA_X
ClientSampled :

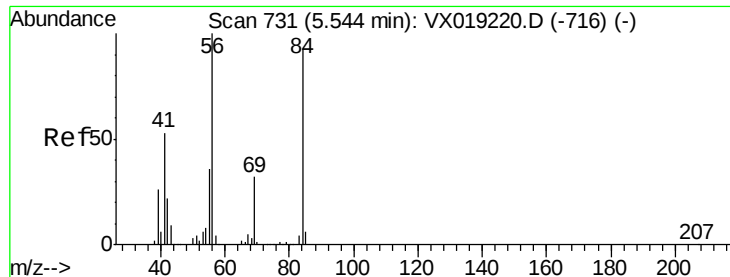
Tot Ion: 83 Resp: 24976
Ion Ratio Lower Upper
83 100
85 62.1 46.5 86.3



#27
1,2-Dichloroethane
Concen: 2.688 ug/L
RT: 6.17 min Scan# 833
Delta R.T. 0.01 min
Lab File: VX019229.D
Acq: 03 Nov 2020 13:02

Tgt Ion: 62 Resp: 11245
Ion Ratio Lower Upper
62 100
98 9.0 7.6 11.4

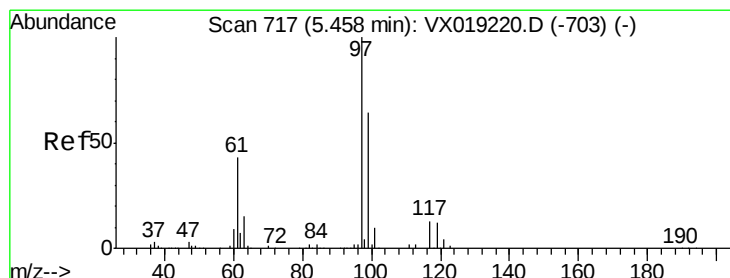
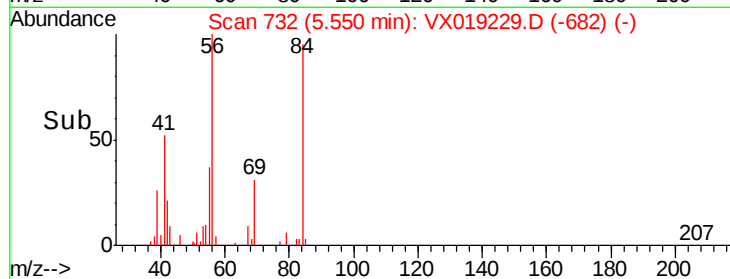
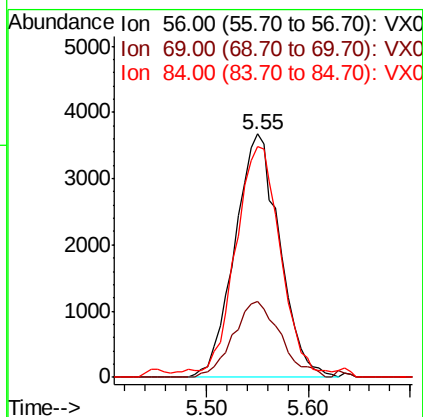
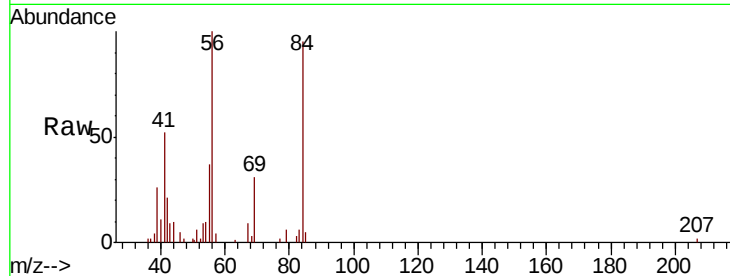




#29
Cvclohexane
Concen: 2.388 ug/L
RT: 5.55 min Scan# 732
Delta R.T. 0.01 min
Lab File: VX019229.D
Acq: 03 Nov 2020 13:02

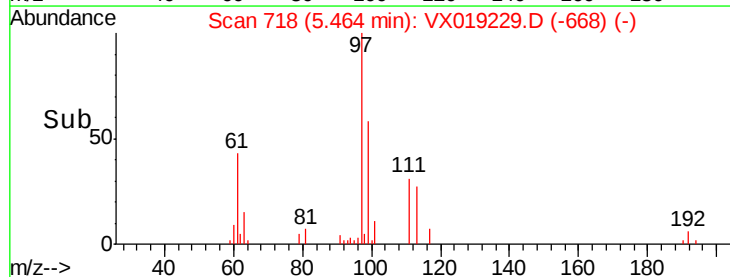
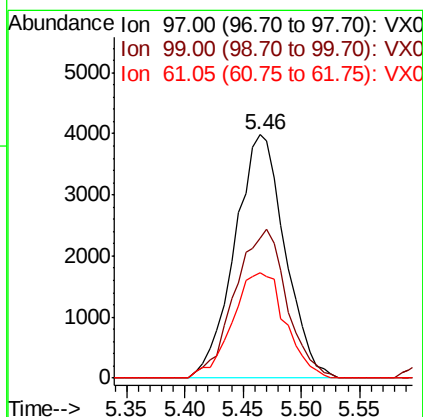
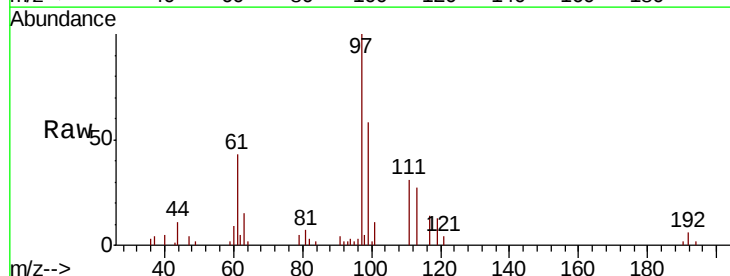
Instrument :
MSVOA_X
ClientSampleId :

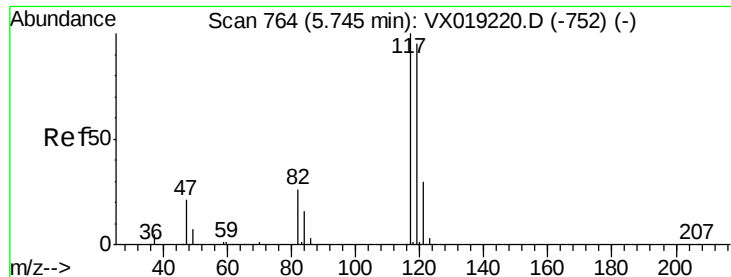
Tot Ion: 56 Resp: 11213
Ion Ratio Lower Upper
56 100
69 32.9 25.2 37.8
84 93.8 73.6 110.4



#30
1,1,1-Trichloroethane
Concen: 2.428 ug/L
RT: 5.46 min Scan# 718
Delta R.T. 0.01 min
Lab File: VX019229.D
Acq: 03 Nov 2020 13:02

Tgt Ion: 97 Resp: 11939
Ion Ratio Lower Upper
97 100
99 63.1 51.0 76.6
61 45.7 34.8 52.2

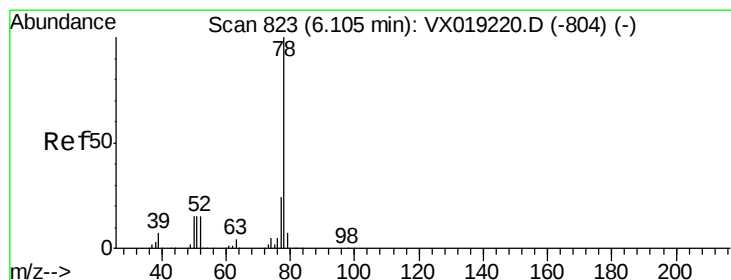
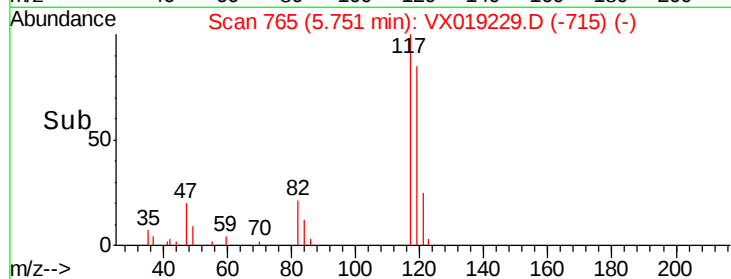
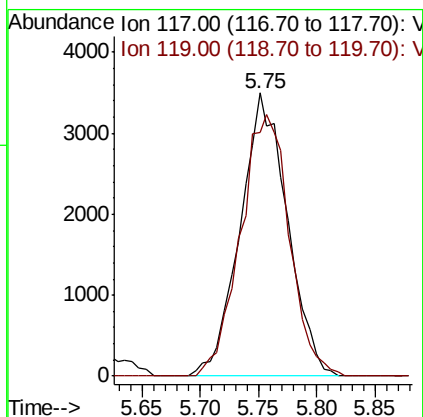
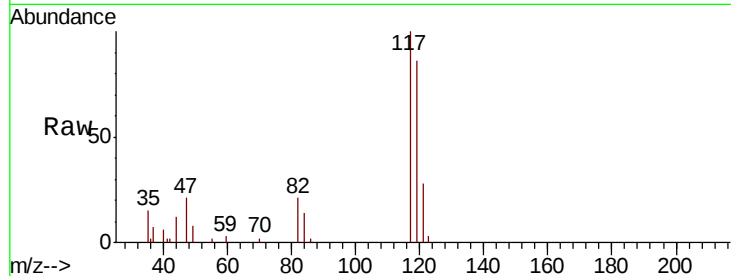




#31
Carbon tetrachloride
Concen: 2.333 ug/L
RT: 5.75 min Scan# 765
Delta R.T. 0.01 min
Lab File: VX019229.D
Acq: 03 Nov 2020 13:02

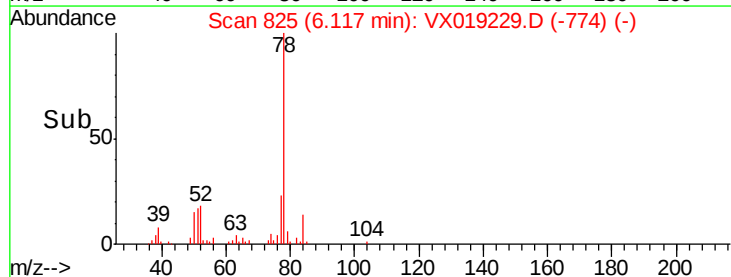
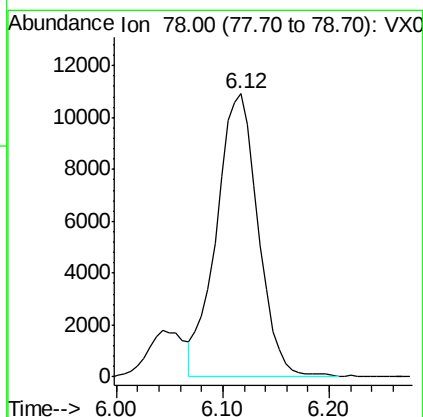
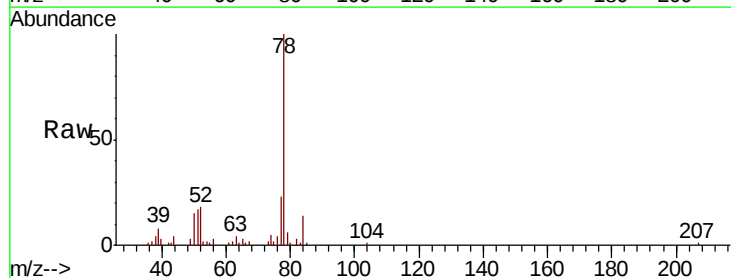
Instrument :
MSVOA_X
ClientSampleId :

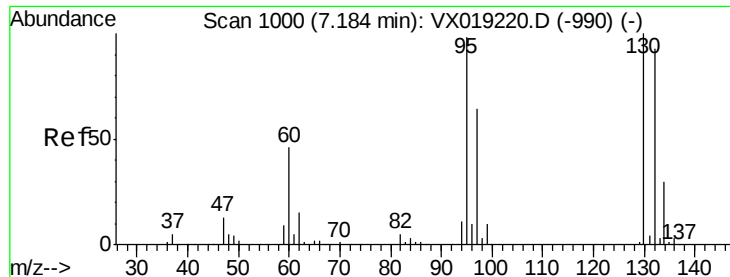
Tot Ion:117 Resp: 9857
Ion Ratio Lower Upper
117 100
119 96.1 76.9 115.3



#33
Benzene
Concen: 2.547 ug/L
RT: 6.12 min Scan# 825
Delta R.T. 0.01 min
Lab File: VX019229.D
Acq: 03 Nov 2020 13:02

Tgt Ion: 78 Resp: 29832

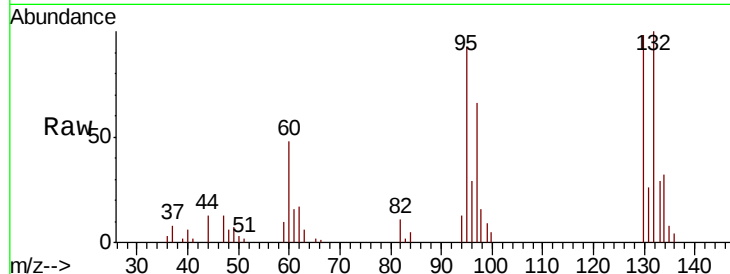




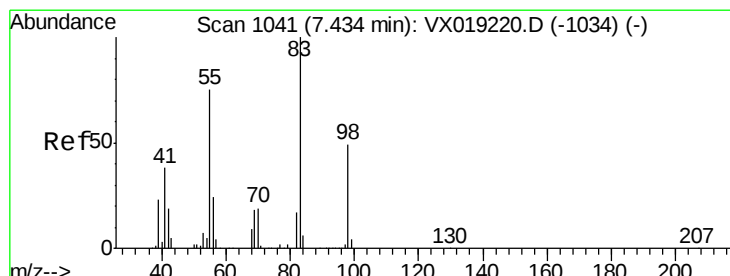
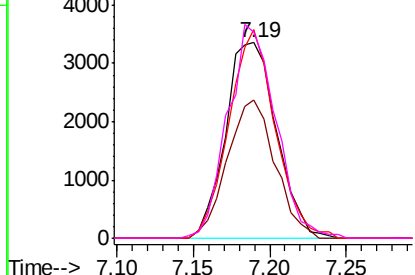
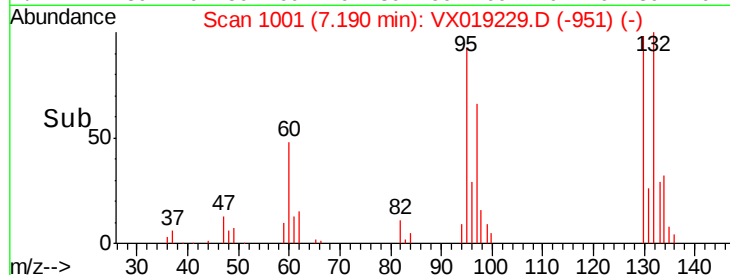
#34
 Trichloroethene
 Concen: 2.430 ug/L
 RT: 7.19 min Scan# 1001
 Delta R.T. 0.01 min
 Lab File: VX019229.D
 Acq: 03 Nov 2020 13:02

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion: 95 Resp: 7767
 Ion Ratio Lower Upper
 95 100
 97 71.1 45.1 83.9
 132 107.1 67.3 124.9
 130 105.3 69.9 129.9

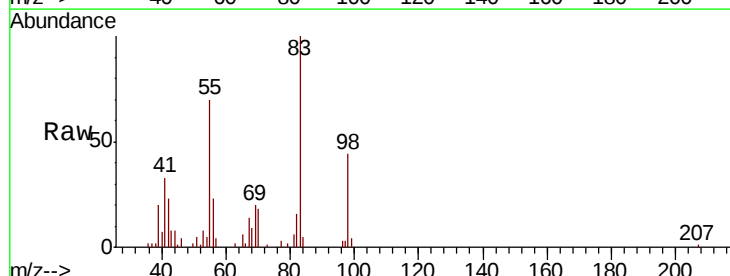


Abundance Ion 95.00 (94.70 to 95.70): VX0
 Ion 97.00 (96.70 to 97.70): VX0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

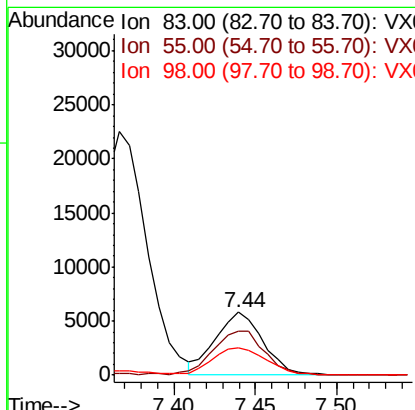
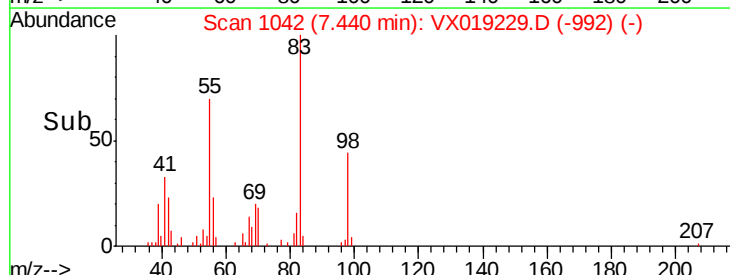


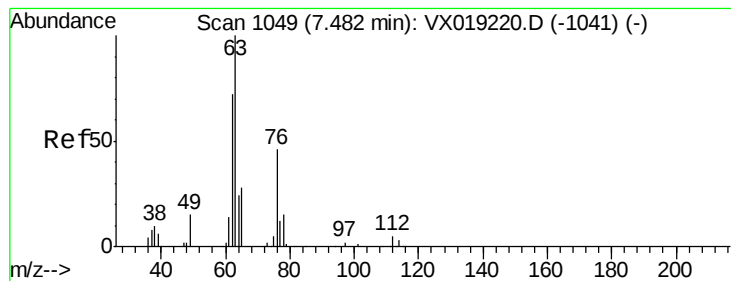
#35
 Methylcyclohexane
 Concen: 2.336 ug/L
 RT: 7.44 min Scan# 1042
 Delta R.T. 0.01 min
 Lab File: VX019229.D
 Acq: 03 Nov 2020 13:02

Tgt Ion: 83 Resp: 11816
 Ion Ratio Lower Upper
 83 100
 55 71.5 58.6 87.8
 98 49.2 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: 2.643 ug/L

RT: 7.49 min Scan# 1050

Delta R.T. 0.01 min

Lab File: VX019229.D

Acq: 03 Nov 2020 13:02

Instrument :

MSVOA_X

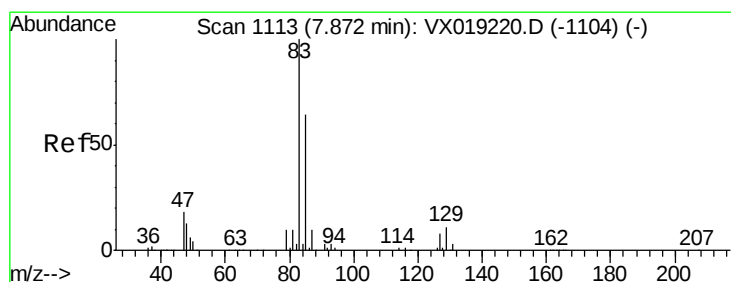
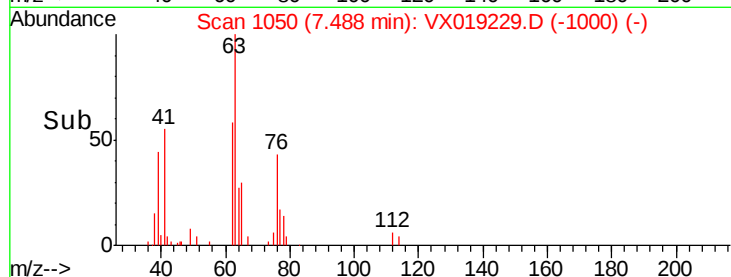
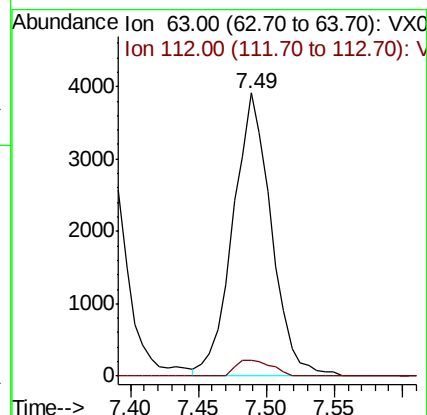
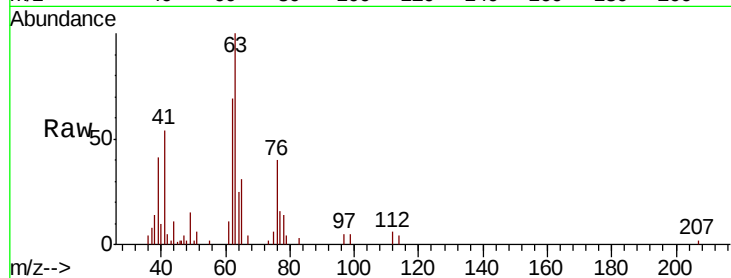
ClientSampled :

Tot Ion: 63 Resp: 7688

Ion Ratio Lower Upper

63 100

112 5.2 3.8 5.6



#38

Bromodichloromethane

Concen: 2.391 ug/L

RT: 7.87 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VX019229.D

Acq: 03 Nov 2020 13:02

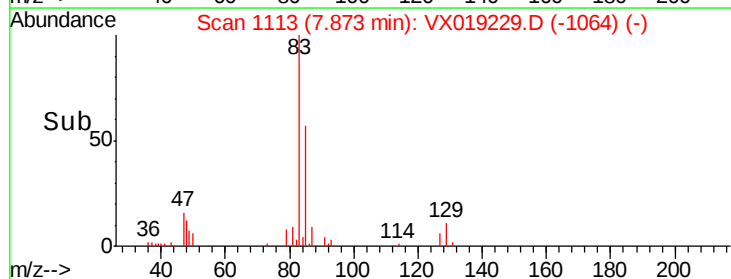
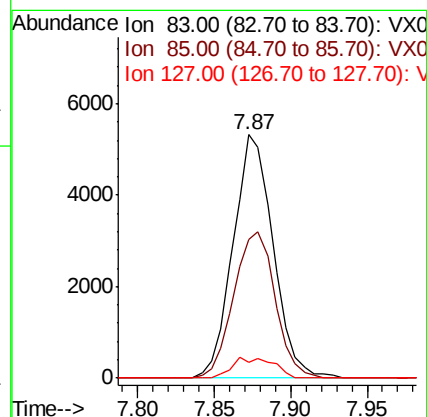
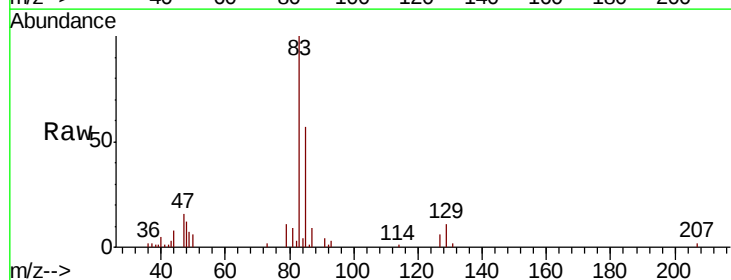
Tgt Ion: 83 Resp: 9674

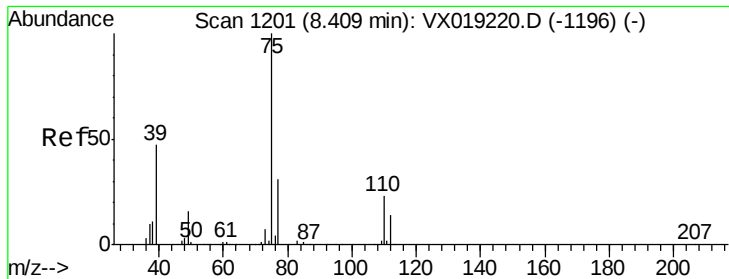
Ion Ratio Lower Upper

83 100

85 56.7 44.6 82.8

127 6.4 6.8 10.2#

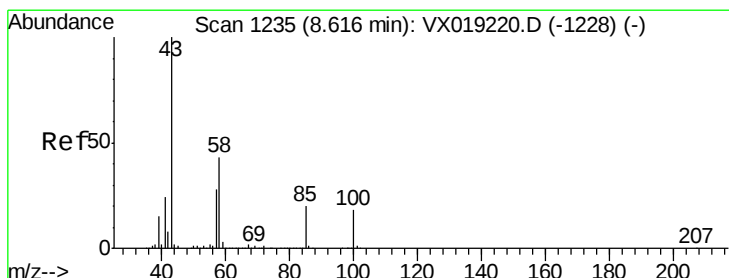
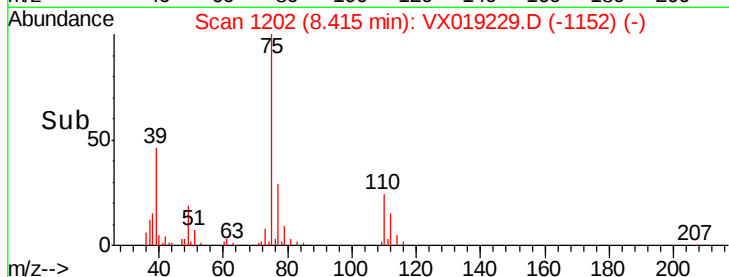
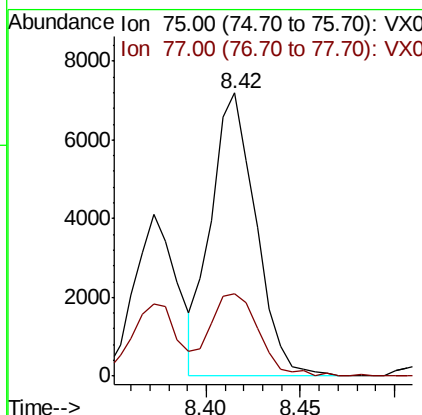
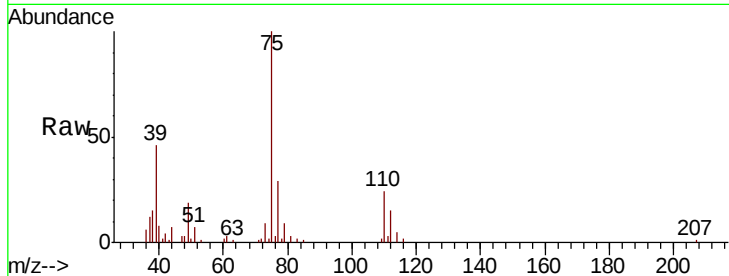




#39
 cis-1,3-Dichloropropene
 Concen: 2.463 ug/L
 RT: 8.42 min Scan# 1202
 Delta R.T. 0.01 min
 Lab File: VX019229.D
 Acq: 03 Nov 2020 13:02

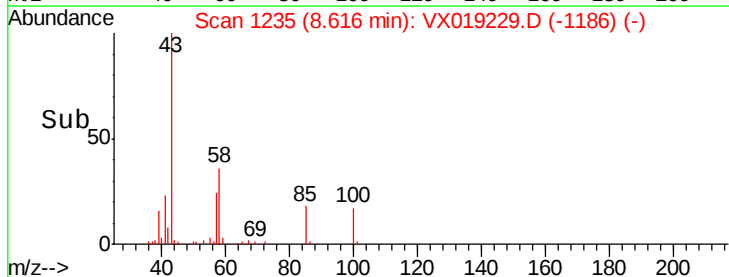
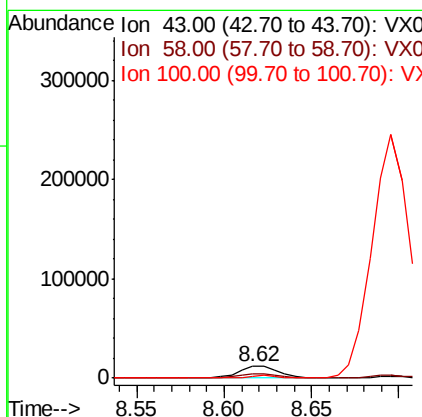
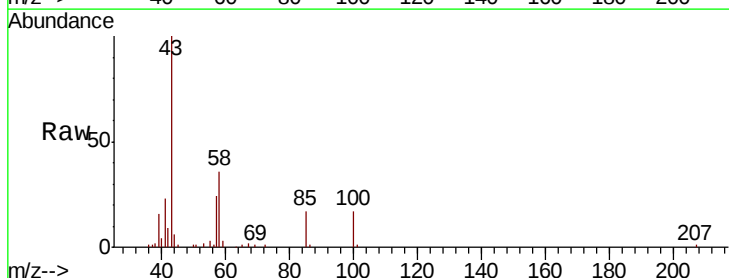
Instrument :
 MSVOA_X
 ClientSampled :

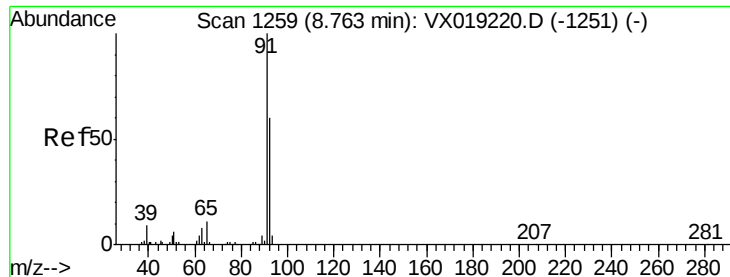
Tot Ion: 75 Resp: 11904
 Ion Ratio Lower Upper
 75 100
 77 29.2 22.5 41.7



#40
 4-Methyl-2-pentanone
 Concen: 5.250 ug/L
 RT: 8.62 min Scan# 1235
 Delta R.T. 0.00 min
 Lab File: VX019229.D
 Acq: 03 Nov 2020 13:02

Tgt Ion: 43 Resp: 18676
 Ion Ratio Lower Upper
 43 100
 58 40.3 34.1 51.1
 100 18.0 14.8 22.2





#42

Toluene

Concen: 3.133 ug/L

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX019229.D

Acq: 03 Nov 2020 13:02

Instrument :

MSVOA_X

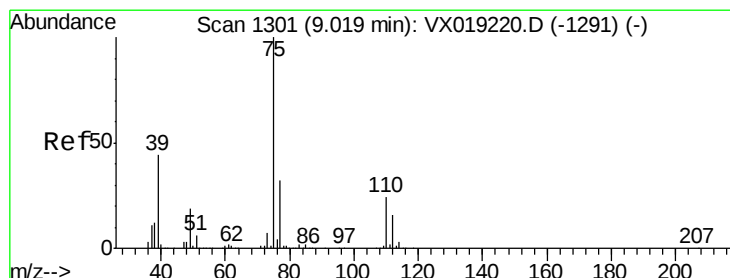
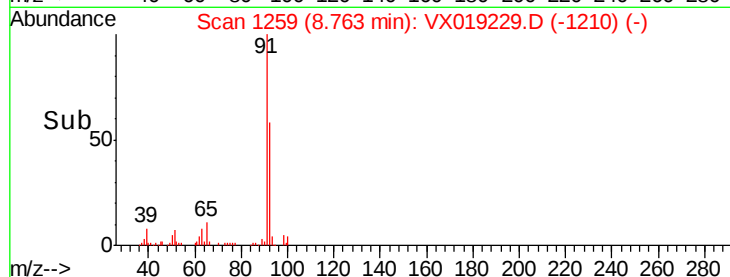
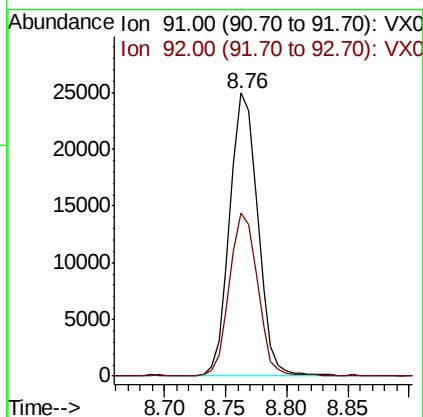
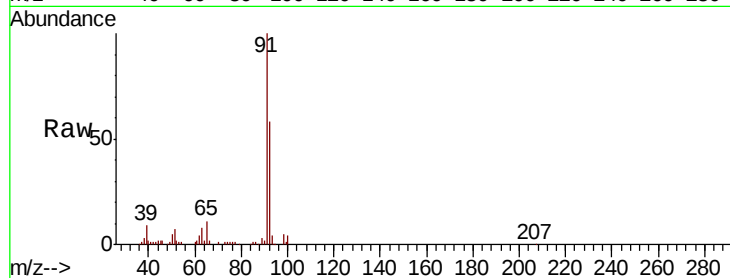
ClientSampled :

Tot Ion: 91 Resp: 39911

Ion Ratio Lower Upper

91 100

92 57.7 41.2 76.6



#44

trans-1,3-Dichloropropene

Concen: 2.517 ug/L

RT: 9.02 min Scan# 1302

Delta R.T. 0.01 min

Lab File: VX019229.D

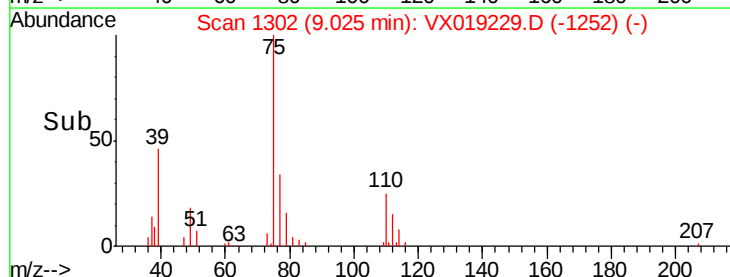
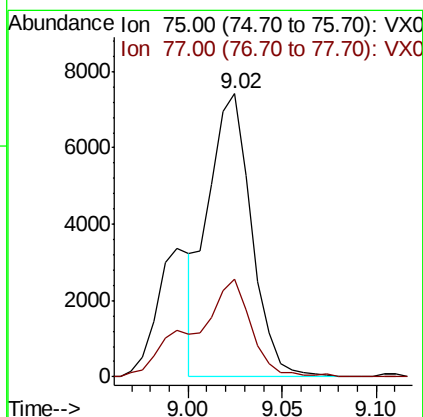
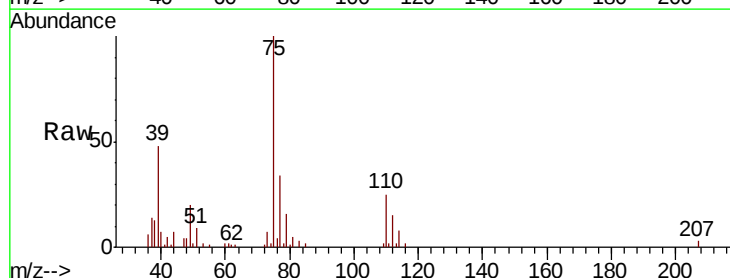
Acq: 03 Nov 2020 13:02

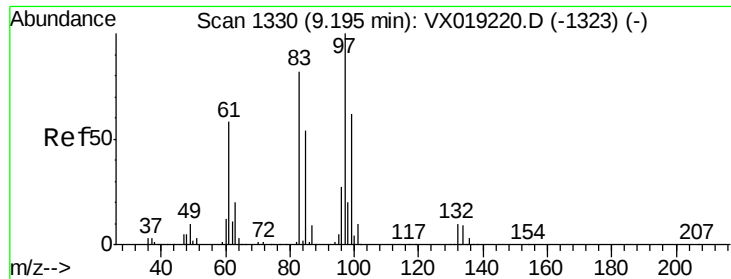
Tgt Ion: 75 Resp: 11852

Ion Ratio Lower Upper

75 100

77 34.4 21.8 40.6

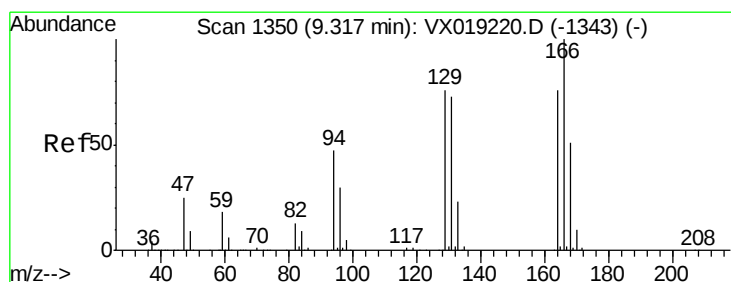
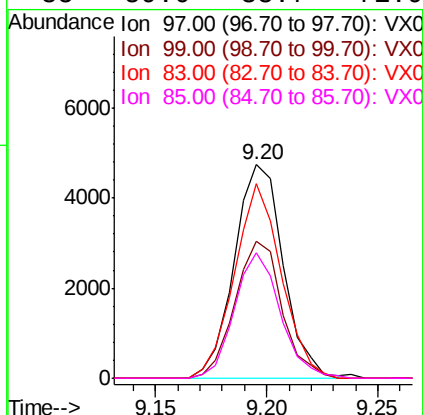
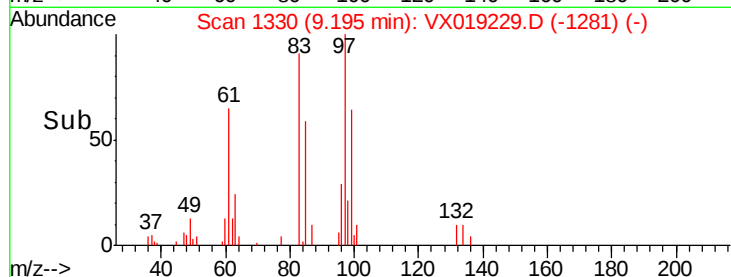
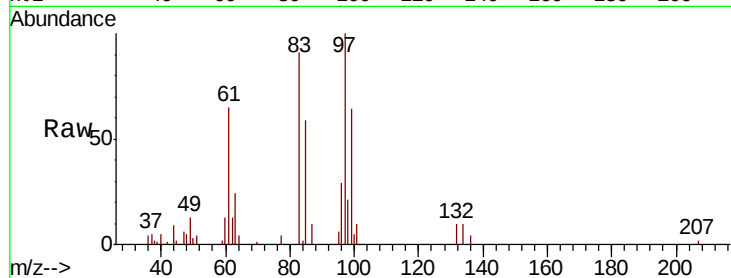




#45
1,1,2-Trichloroethane
Concen: 2.543 ug/L
RT: 9.20 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VX019229.D
Acq: 03 Nov 2020 13:02

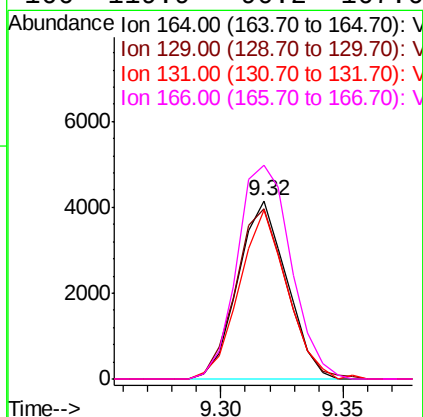
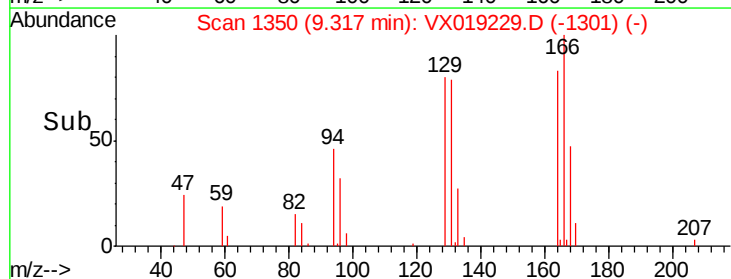
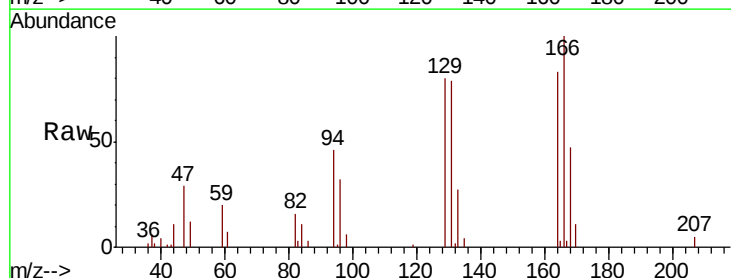
Instrument :
MSVOA_X
ClientSampleId :

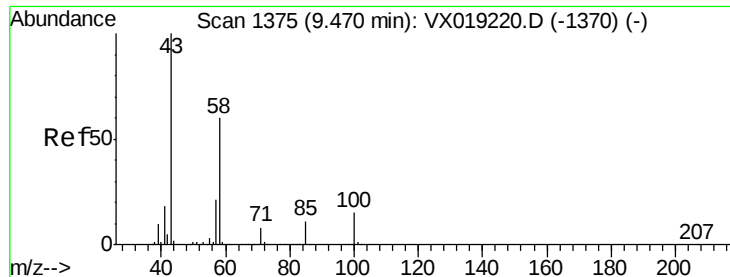
Tot Ion:	97	Resp:	7267
Ion	Ratio	Lower	Upper
97	100		
99	63.8	43.3	80.3
83	91.1	59.4	110.4
85	59.0	38.7	71.9



#46
Tetrachloroethene
Concen: 2.397 ug/L
RT: 9.32 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VX019229.D
Acq: 03 Nov 2020 13:02

Tgt Ion:	164	Resp:	5781
Ion	Ratio	Lower	Upper
164	100		
129	95.8	65.2	121.2
131	94.8	62.5	116.1
166	119.9	90.2	167.6

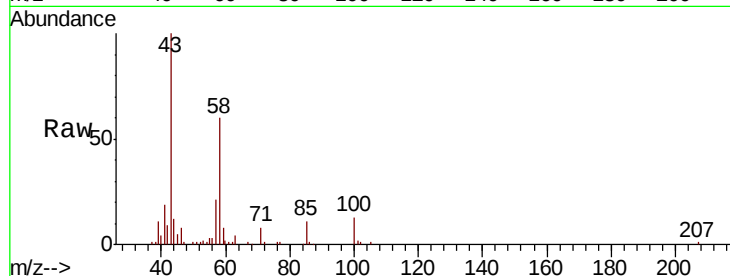




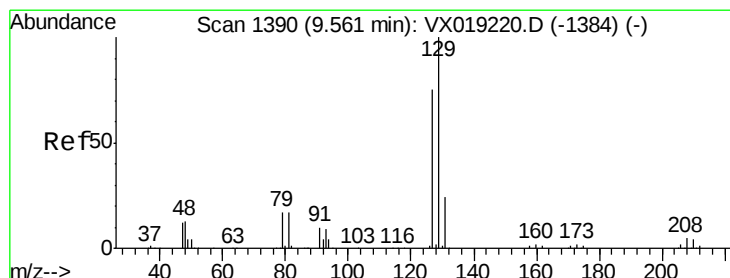
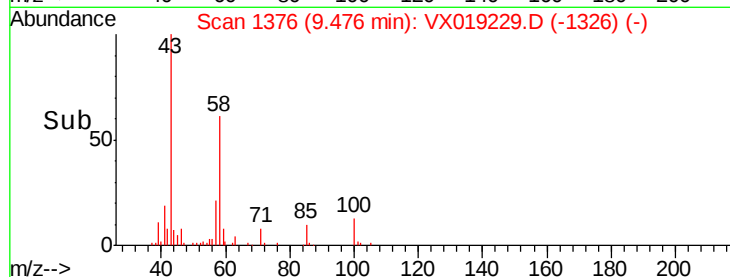
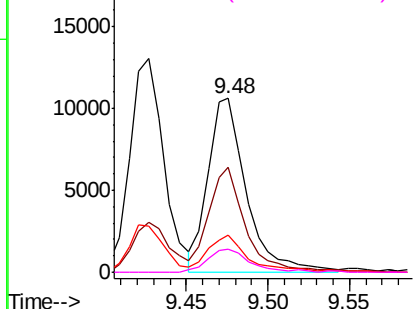
#48
2-Hexanone
Concen: 6.249 ug/L
RT: 9.48 min Scan# 1376
Delta R.T. 0.01 min
Lab File: VX019229.D
Acq: 03 Nov 2020 13:02

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	43	Resp:	17517
Ion	Ratio	Lower	Upper
43	100		
58	58.3	48.2	72.2
57	22.0	17.1	25.7
100	14.2	11.8	17.8

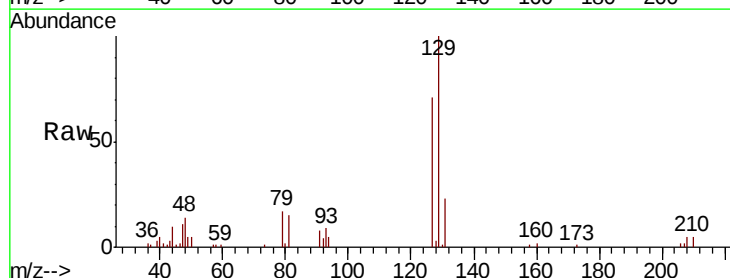


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0
Ion 57.00 (56.70 to 57.70): VX0
Ion 100.00 (99.70 to 100.70): V

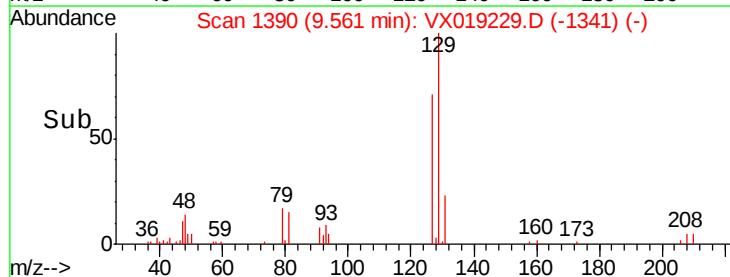
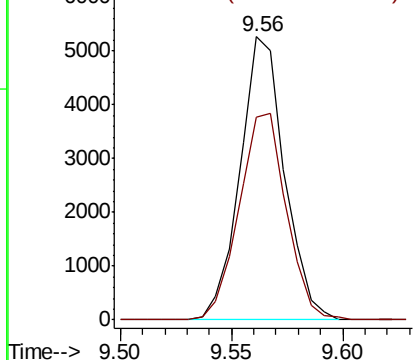


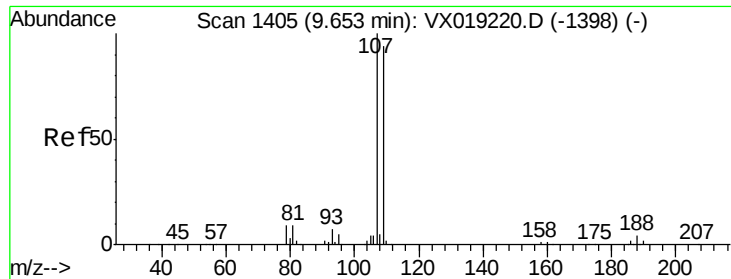
#49
Dibromochloromethane
Concen: 2.345 ug/L
RT: 9.56 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VX019229.D
Acq: 03 Nov 2020 13:02

Tgt Ion:	129	Resp:	7330
Ion	Ratio	Lower	Upper
129	100		
127	71.4	54.0	100.2



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

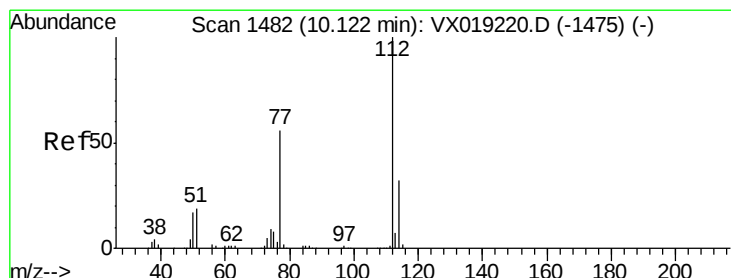
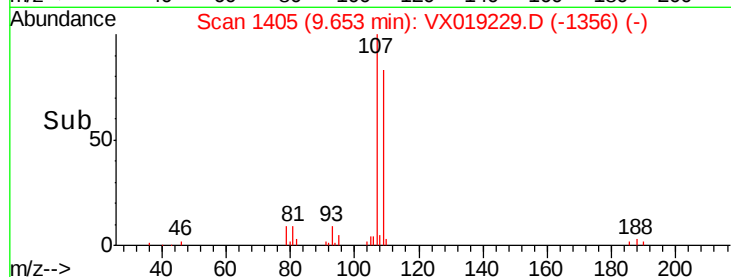
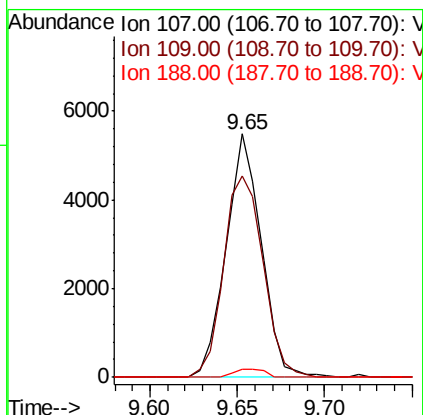
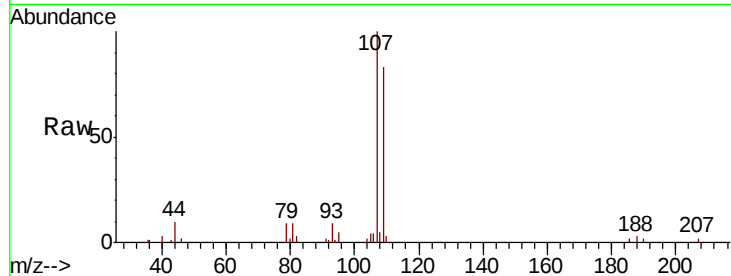




#50
 1,2-Dibromoethane
 Concen: 2.578 ug/L
 RT: 9.65 min Scan# 1405
 Delta R.T. 0.00 min
 Lab File: VX019229.D
 Acq: 03 Nov 2020 13:02

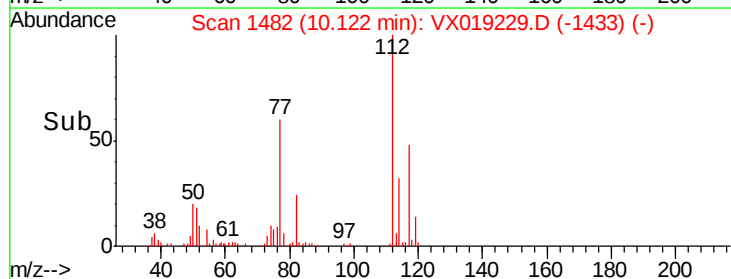
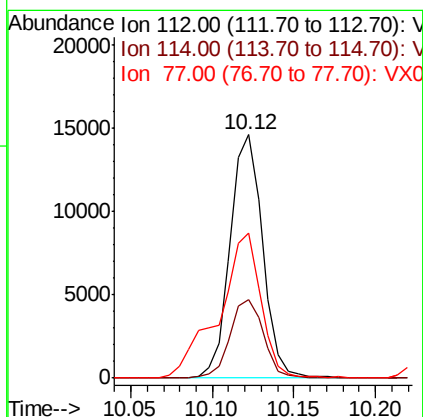
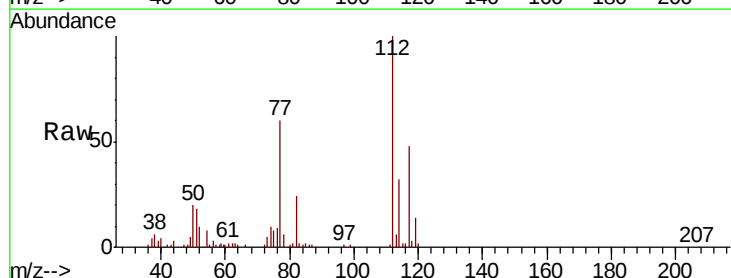
Instrument :
 MSVOA_X
 ClientSampleId :

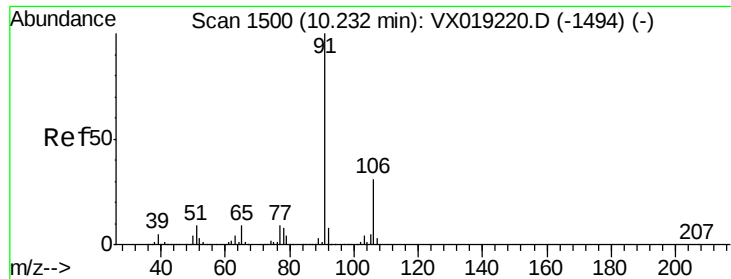
Tot Ion	Ratio	Lower	Upper
107	100		
109	82.9	68.1	126.5
188	3.4	3.0	4.4



#51
 Chlorobenzene
 Concen: 2.557 ug/L
 RT: 10.12 min Scan# 1482
 Delta R.T. 0.00 min
 Lab File: VX019229.D
 Acq: 03 Nov 2020 13:02

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.4	22.2	41.2
77	59.7	46.2	69.4





#52

Ethylbenzene

Concen: 2.485 ug/L

RT: 10.23 min Scan# 1500

Delta R.T. 0.00 min

Lab File: VX019229.D

Acq: 03 Nov 2020 13:02

Instrument :

MSVOA_X

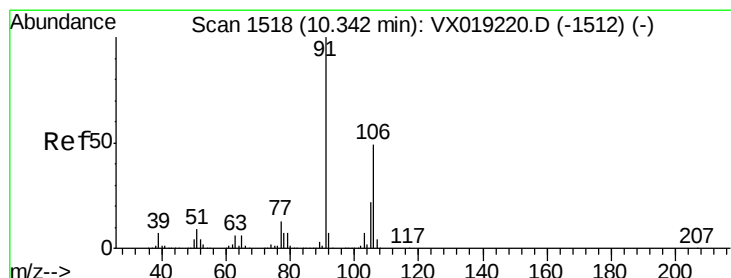
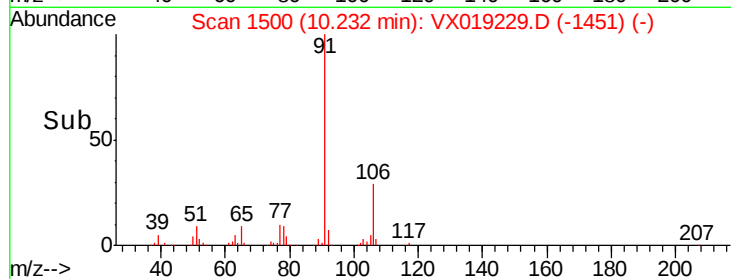
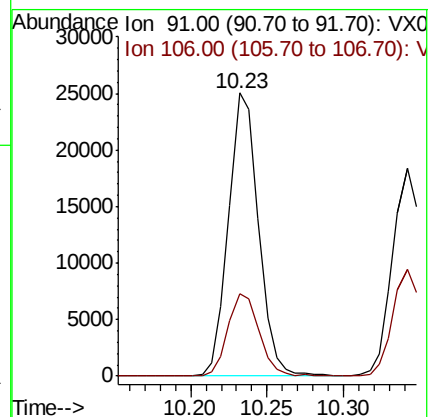
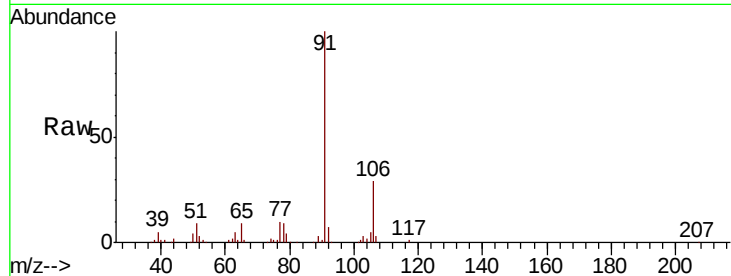
ClientSampled :

Tot Ion: 91 Resp: 34228

Ion Ratio Lower Upper

91 100

106 29.0 21.5 39.9



#53

m,p-Xylene

Concen: 2.456 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX019229.D

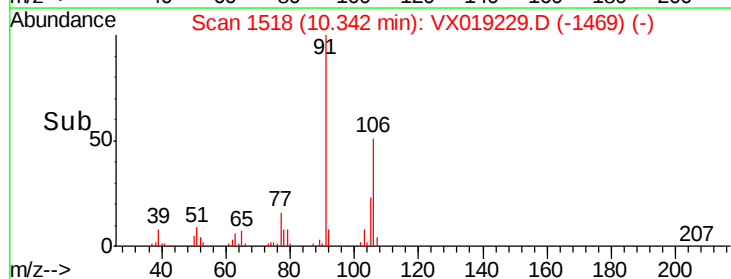
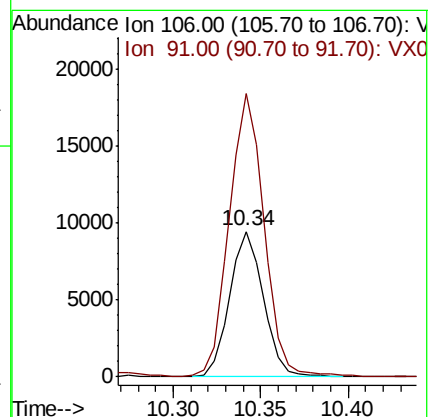
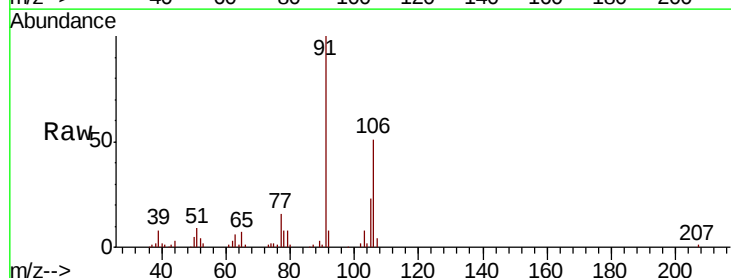
Acq: 03 Nov 2020 13:02

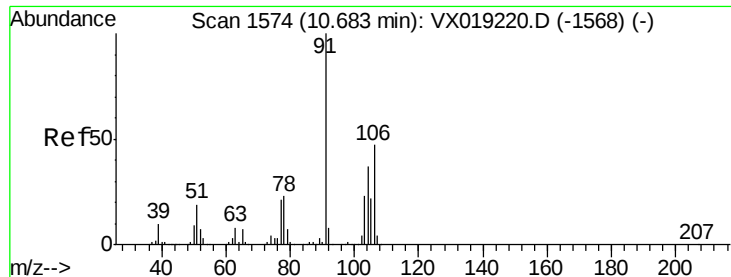
Tgt Ion: 106 Resp: 12707

Ion Ratio Lower Upper

106 100

91 194.7 144.2 267.8

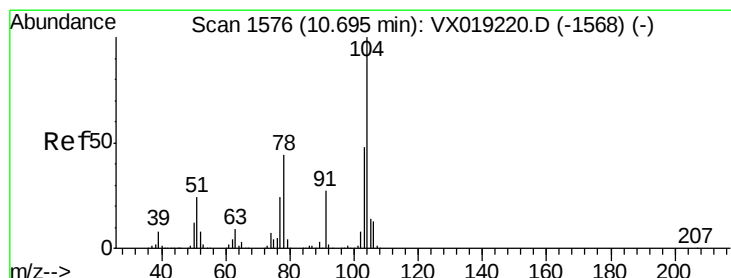
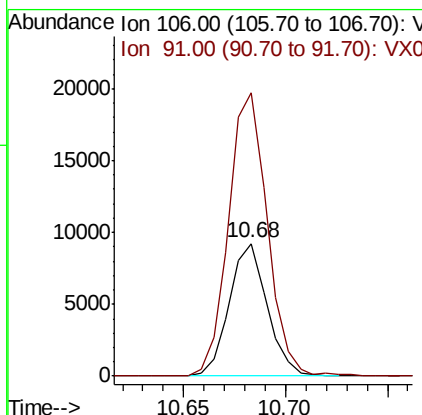
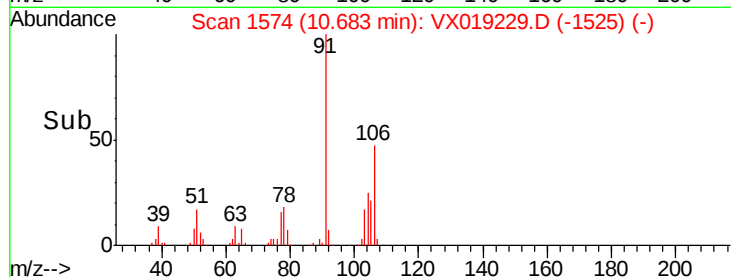
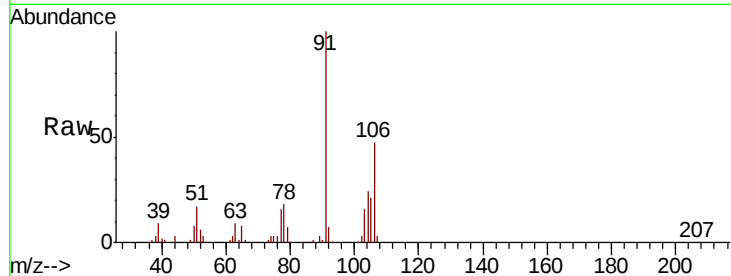




#54
o-Xylene
Concen: 2.363 ug/L
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX019229.D
Acq: 03 Nov 2020 13:02

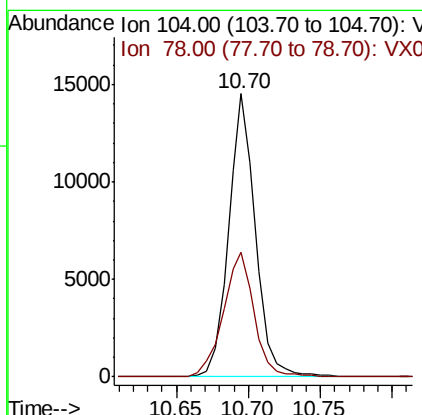
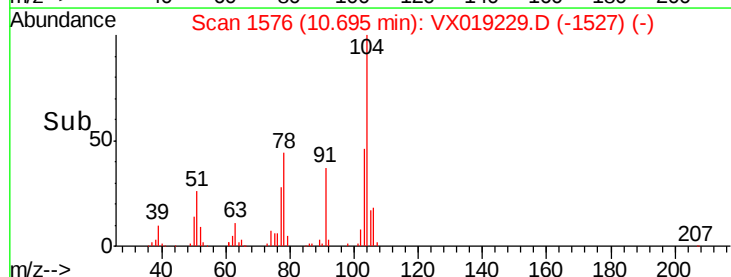
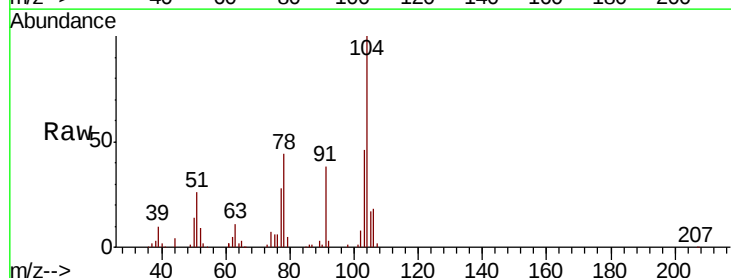
Instrument :
MSVOA_X
ClientSampled :

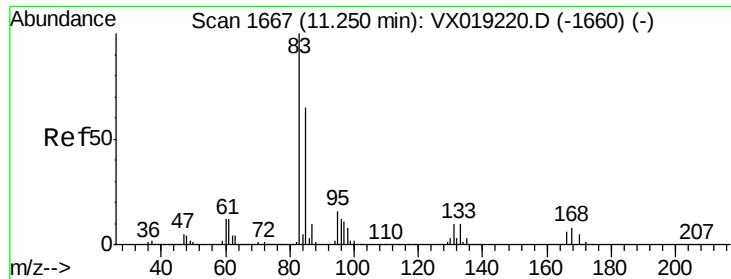
Tot Ion:106 Resp: 11835
Ion Ratio Lower Upper
106 100
91 213.2 153.3 284.7



#55
Styrene
Concen: 2.241 ug/L
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX019229.D
Acq: 03 Nov 2020 13:02

Tgt Ion:104 Resp: 18936
Ion Ratio Lower Upper
104 100
78 43.9 30.9 57.5

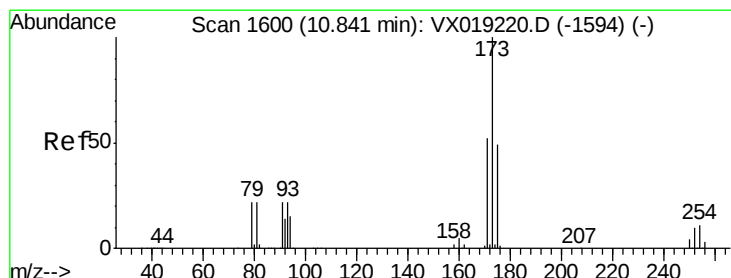
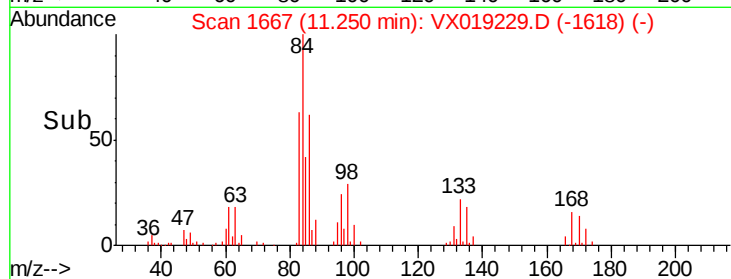
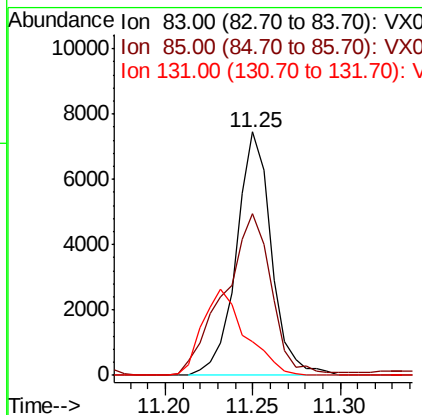
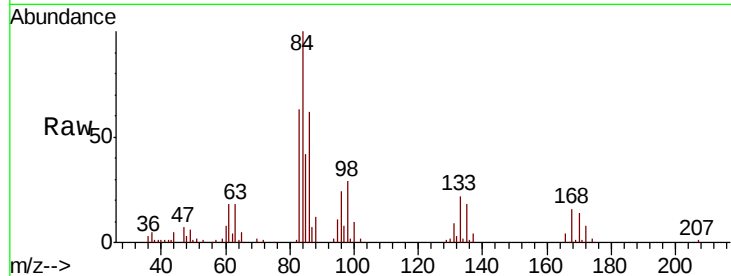




#57
 1,1,2,2-Tetrachloroethane
 Concen: 2.645 ug/L
 RT: 11.25 min Scan# 1667
 Delta R.T. 0.00 min
 Lab File: VX019229.D
 Acq: 03 Nov 2020 13:02

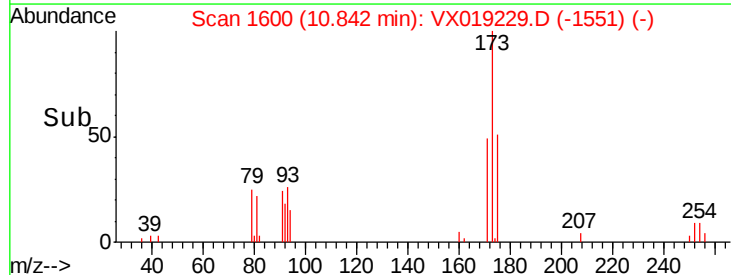
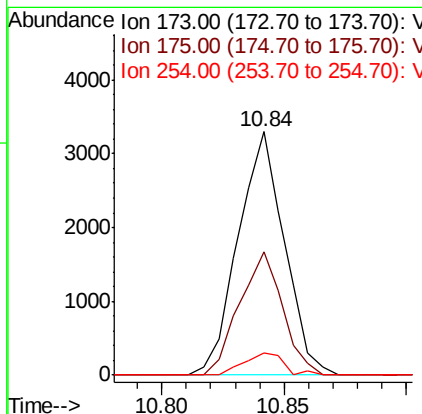
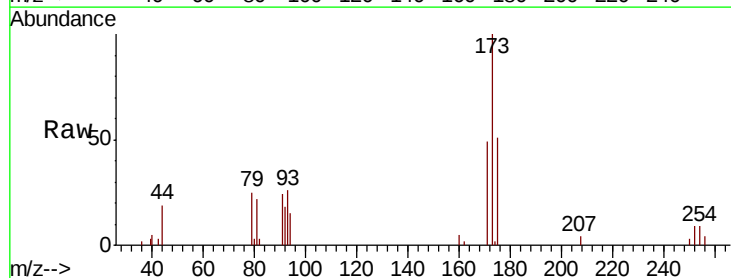
Instrument :
 MSVOA_X
 ClientSampleId :

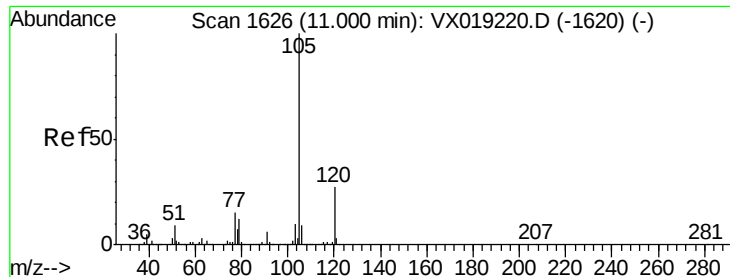
Tot Ion: 83 Resp: 10361
 Ion Ratio Lower Upper
 83 100
 85 66.3 45.9 85.3
 131 13.9 7.7 11.5#



#59
 Bromoform
 Concen: 2.217 ug/L
 RT: 10.84 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VX019229.D
 Acq: 03 Nov 2020 13:02

Tgt Ion: 173 Resp: 4343
 Ion Ratio Lower Upper
 173 100
 175 47.6 39.7 59.5
 254 7.3 8.2 12.4#





#60

Isopropylbenzene

Concen: 2.530 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX019229.D

Acq: 03 Nov 2020 13:02

Instrument :

MSVOA_X

ClientSampleId :

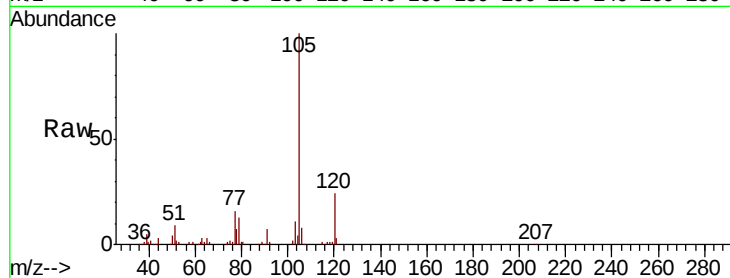
Tot Ion: 105 Resp: 31042

Ion Ratio Lower Upper

105 100

120 25.3 21.1 31.7

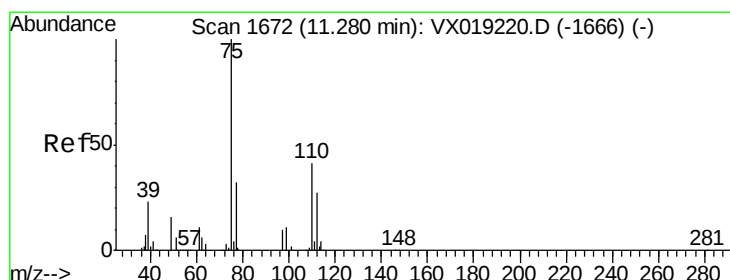
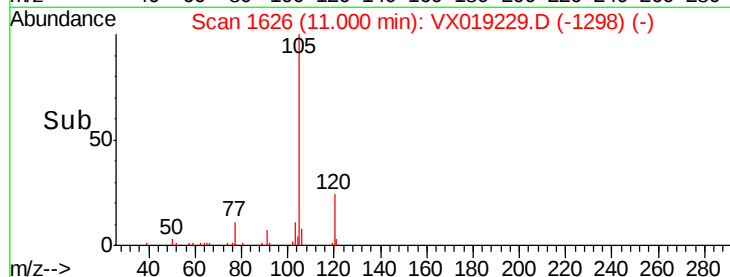
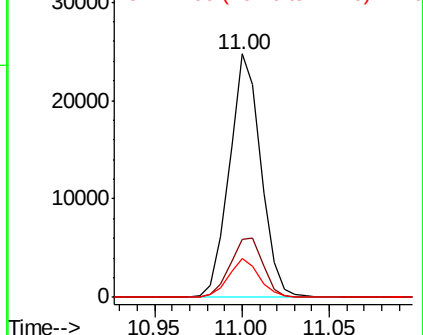
77 15.3 12.6 19.0



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: 2.762 ug/L

RT: 11.28 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VX019229.D

Acq: 03 Nov 2020 13:02

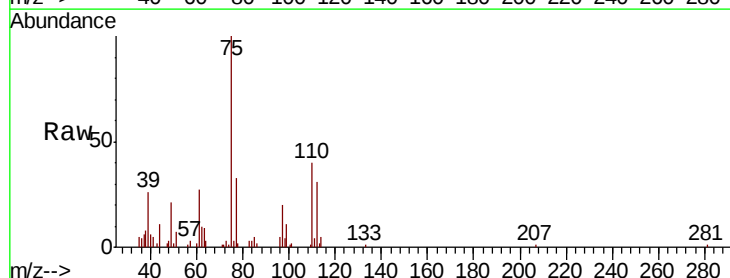
Tgt Ion: 75 Resp: 8508

Ion Ratio Lower Upper

75 100

77 30.7 25.4 38.0

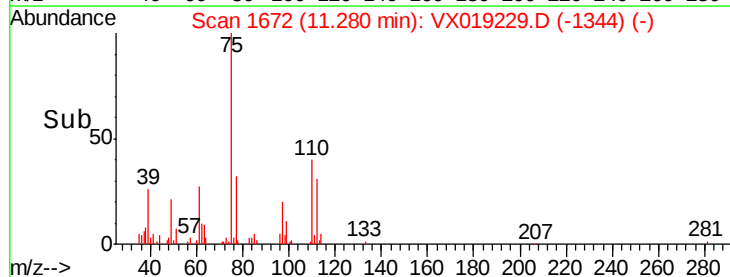
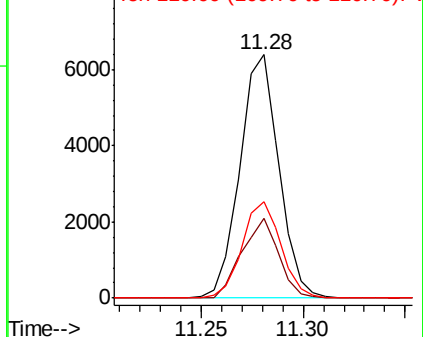
110 39.4 32.2 48.2

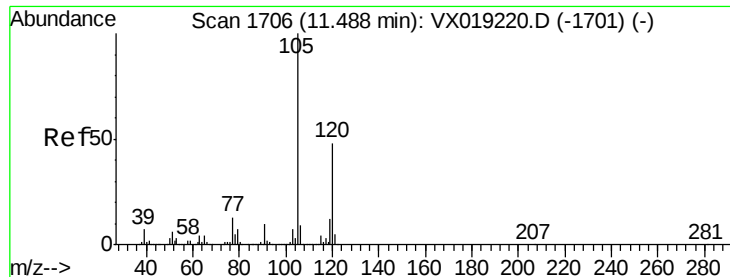


Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 110.00 (109.70 to 110.70): V





#62

1,3,5-Trimethylbenzene

Concen: 2.343 ug/L

RT: 11.49 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VX019229.D

Acq: 03 Nov 2020 13:02

Instrument :

MSVOA_X

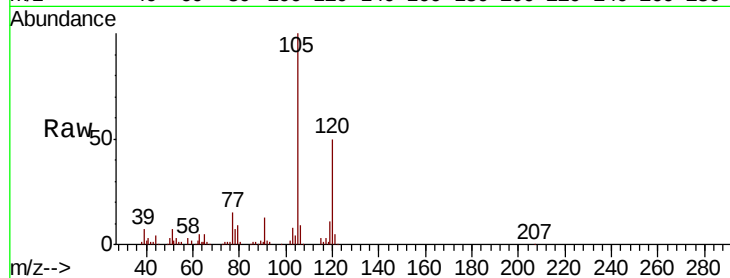
ClientSampleId :

Tot Ion:105 Resp: 23654

Ion Ratio Lower Upper

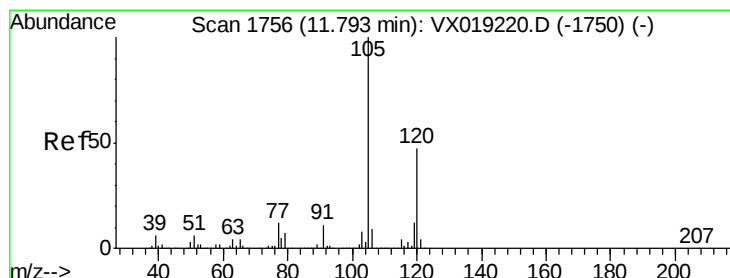
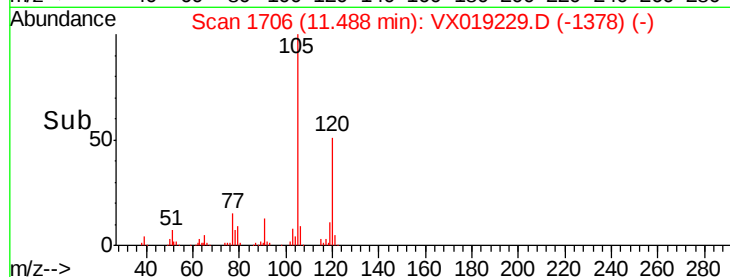
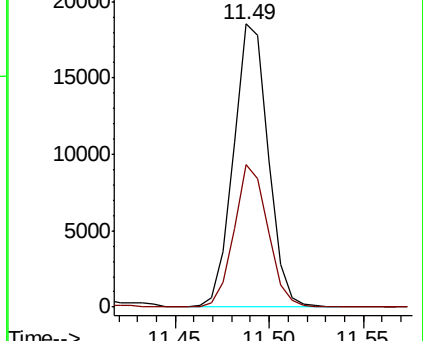
105 100

120 48.9 38.8 58.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#63

1,2,4-Trimethylbenzene

Concen: 2.462 ug/L

RT: 11.79 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VX019229.D

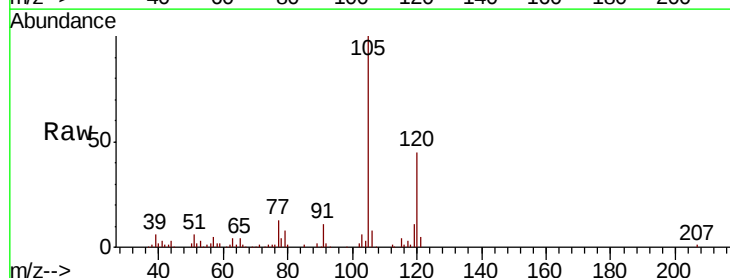
Acq: 03 Nov 2020 13:02

Tgt Ion:105 Resp: 23508

Ion Ratio Lower Upper

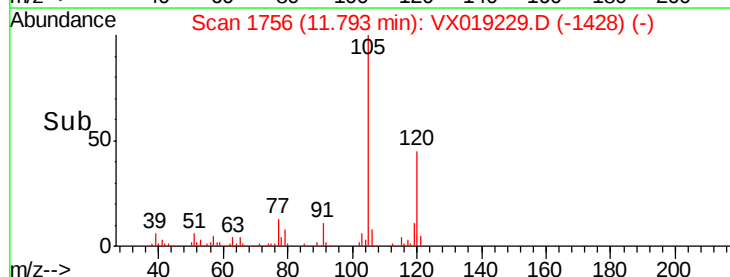
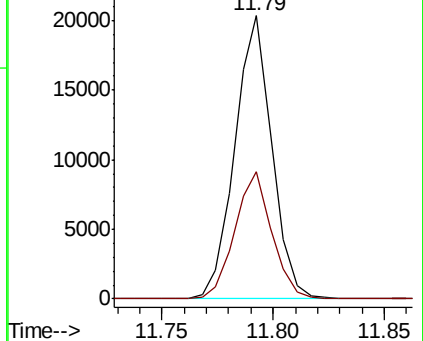
105 100

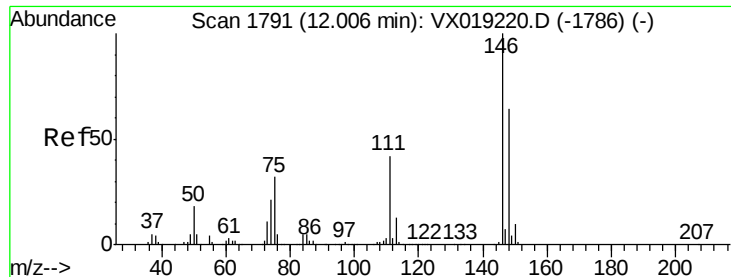
120 45.0 36.0 54.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#64

1,3-Dichlorobenzene

Concen: 2.470 ug/L

RT: 12.01 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX019229.D

Acq: 03 Nov 2020 13:02

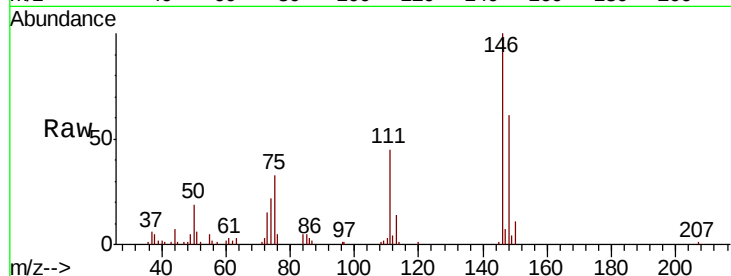
Instrument :

MSVOA_X

ClientSampled :

Tot Ion:146 Resp: 13087

Ion	Ratio	Lower	Upper
146	100		
111	44.5	29.7	55.1
148	61.3	44.5	82.7

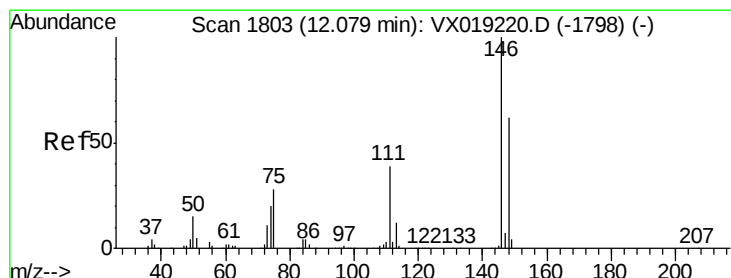
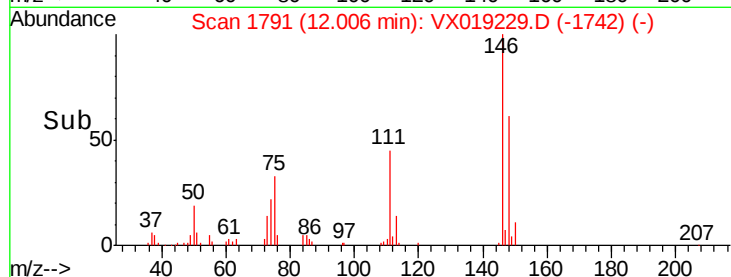
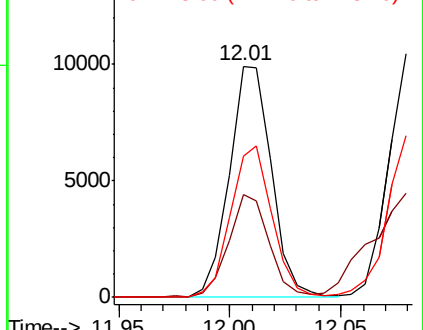


Abundance

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: 2.559 ug/L

RT: 12.08 min Scan# 1803

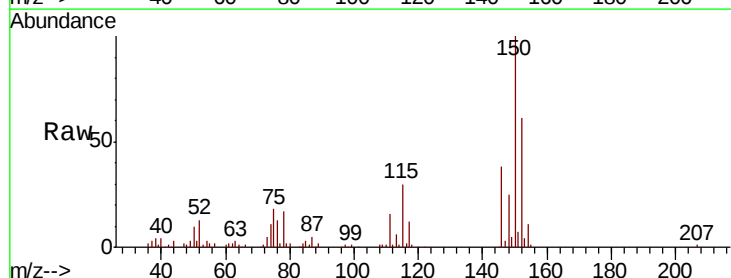
Delta R.T. 0.00 min

Lab File: VX019229.D

Acq: 03 Nov 2020 13:02

Tgt Ion:146 Resp: 13757

Ion	Ratio	Lower	Upper
146	100		
111	42.6	28.1	52.3
148	66.2	43.8	81.4

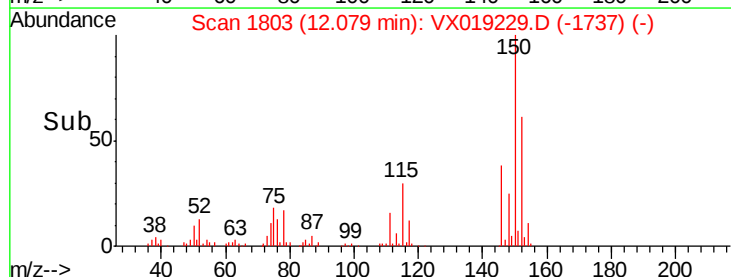
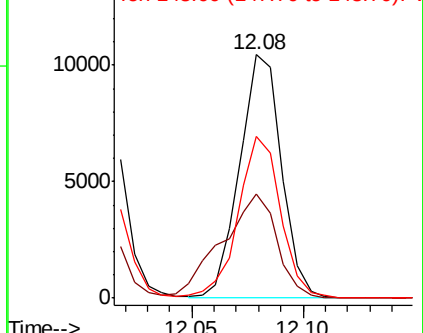


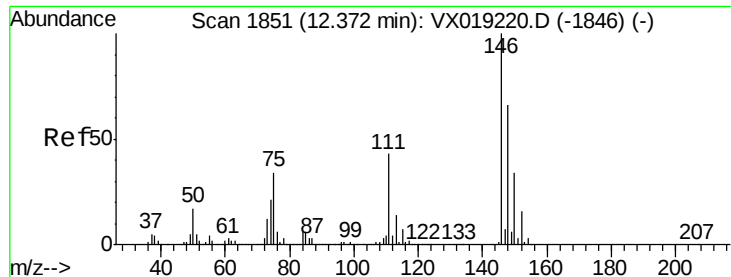
Abundance

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

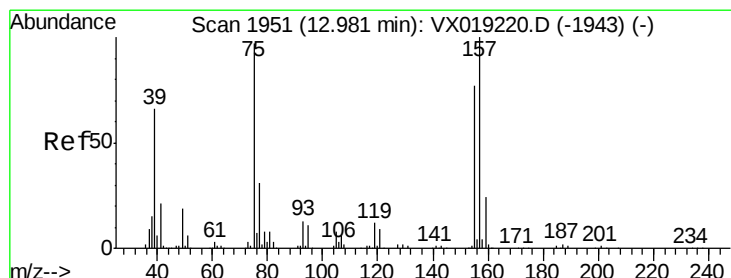
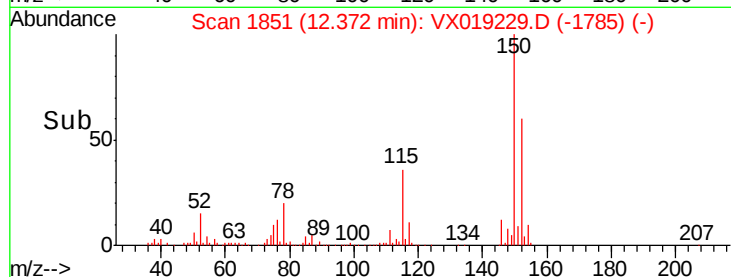
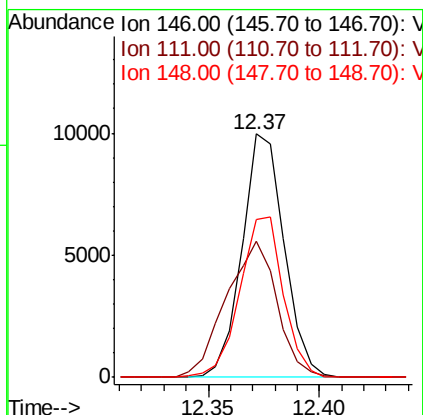
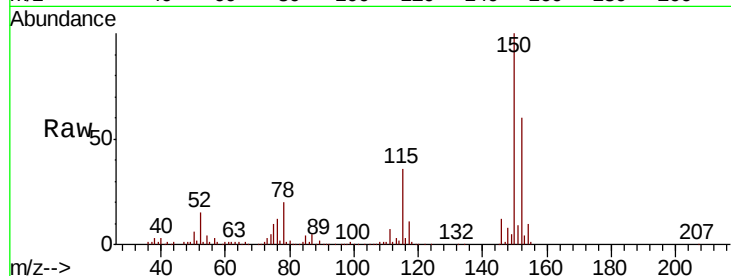




#67
 1,2-Dichlorobenzene
 Concen: 2.570 ug/L
 RT: 12.37 min Scan# 1851
 Delta R.T. 0.00 min
 Lab File: VX019229.D
 Acq: 03 Nov 2020 13:02

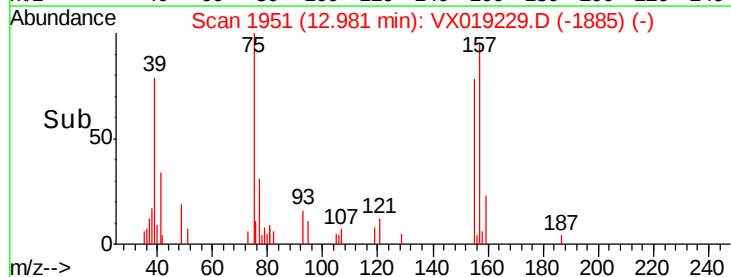
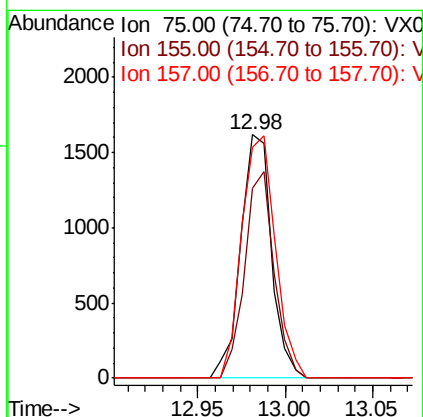
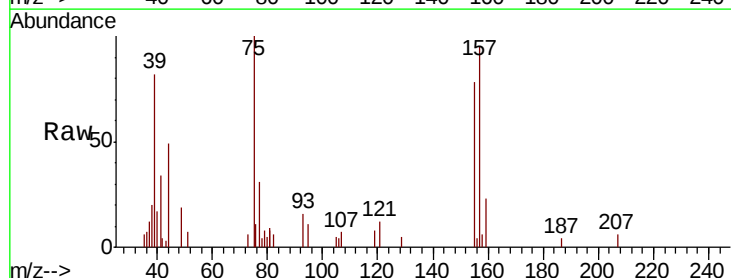
Instrument :
 MSVOA_X
 ClientSampleId :

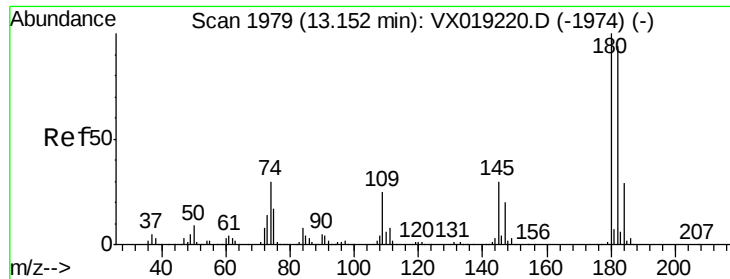
Tot Ion	Ratio	Lower	Upper
146	100		
111	56.1	35.9	53.9
148	65.0	52.2	78.4



#68
 1,2-Dibromo-3-chloropropane
 Concen: 2.358 ug/L
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX019229.D
 Acq: 03 Nov 2020 13:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.1	65.8	98.8
157	94.9	82.6	123.8

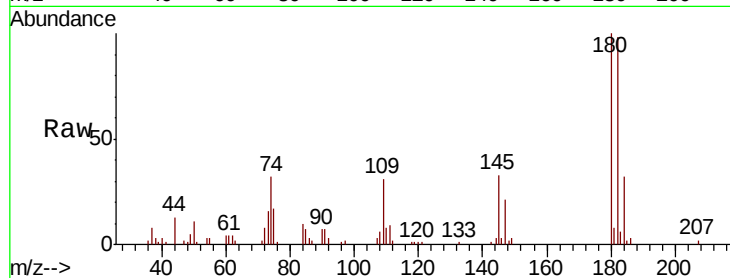




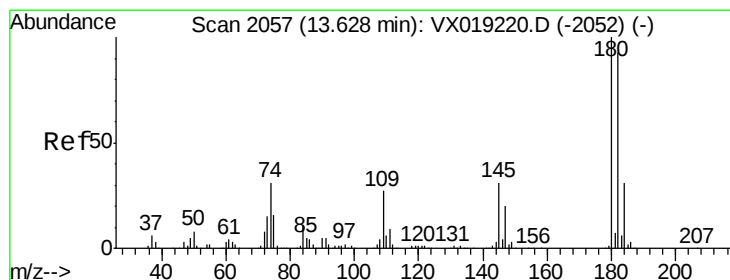
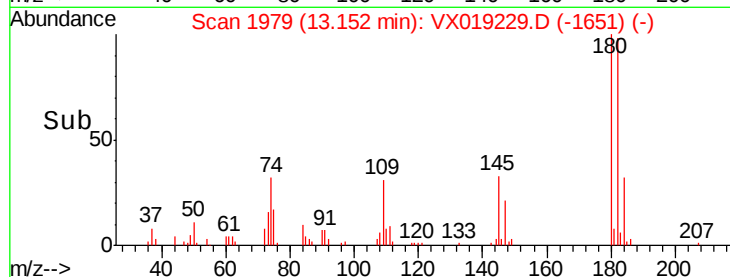
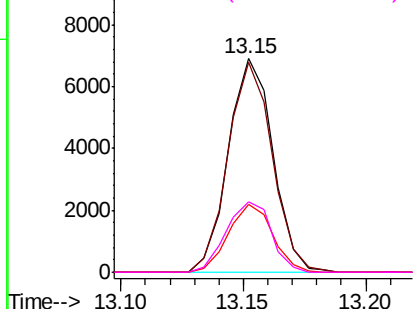
#69
 1,3,5-Trichlorobenzene
 Concen: 2.356 ug/L
 RT: 13.15 min Scan# 1979
 Delta R.T. 0.00 min
 Lab File: VX019229.D
 Acq: 03 Nov 2020 13:02

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion:180 Resp: 8744
 Ion Ratio Lower Upper
 180 100
 182 97.6 78.8 118.2
 184 31.4 25.2 37.8
 145 33.4 25.8 38.6

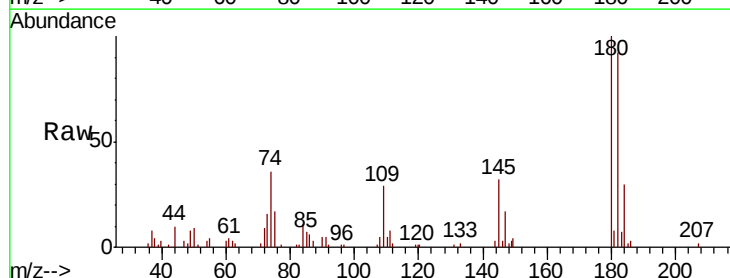


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

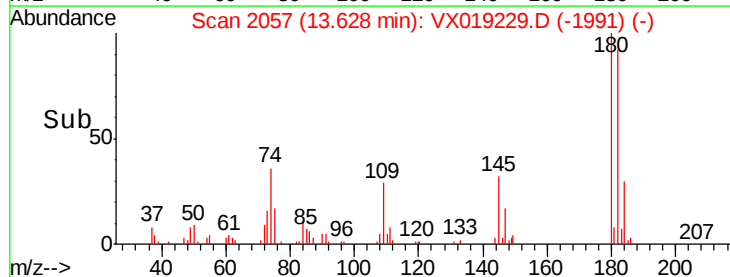
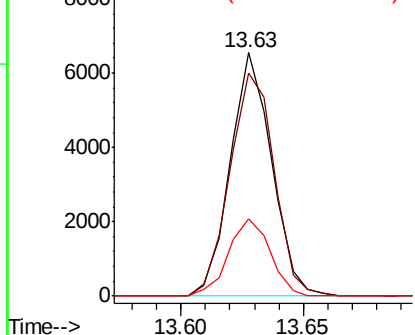


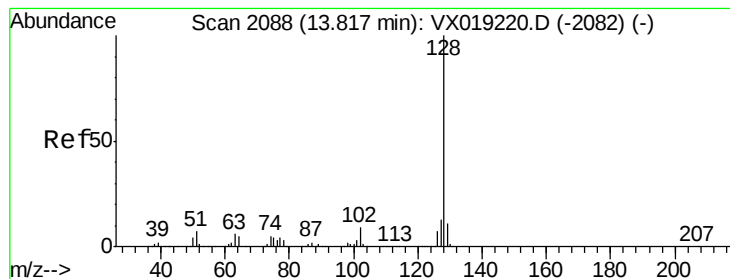
#70
 1,2,4-trichlorobenzene
 Concen: 2.257 ug/L
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX019229.D
 Acq: 03 Nov 2020 13:02

Tgt Ion:180 Resp: 7719
 Ion Ratio Lower Upper
 180 100
 182 98.1 74.6 111.8
 145 32.1 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: 2.173 ug/L

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX019229.D

Acq: 03 Nov 2020 13:02

Instrument :

MSVOA_X

ClientSampleId :

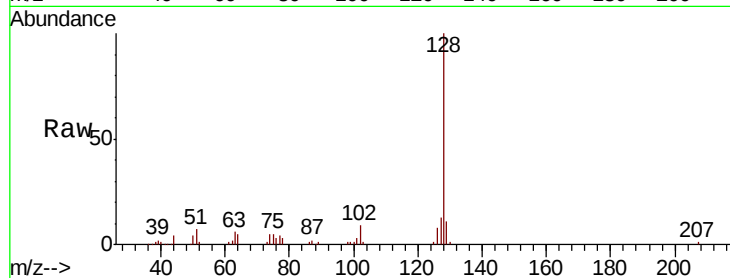
Tot Ion:128 Resp: 24034

Ion Ratio Lower Upper

128 100

127 12.4 10.1 15.1

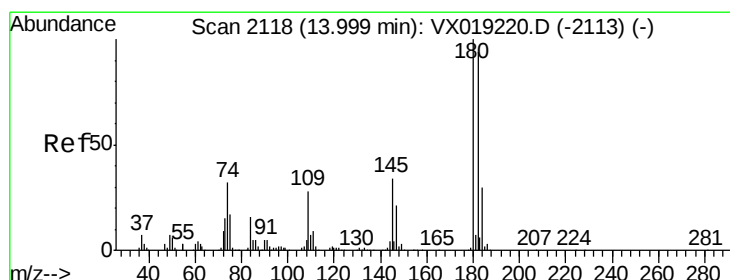
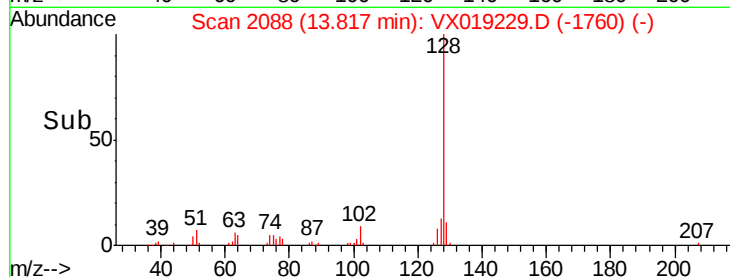
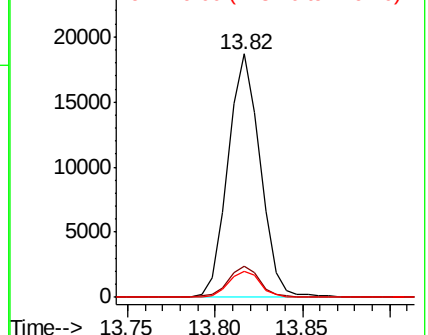
129 10.4 8.5 12.7



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



#72

1,2,3-Trichlorobenzene

Concen: 2.349 ug/L

RT: 14.00 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VX019229.D

Acq: 03 Nov 2020 13:02

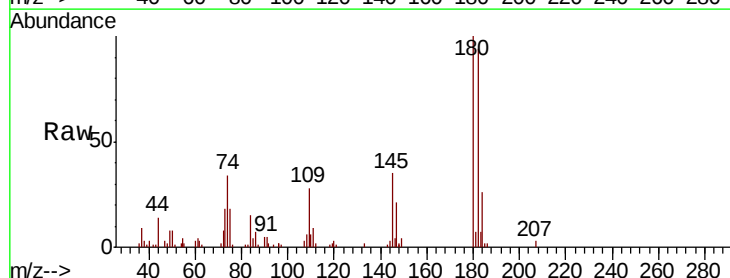
Tgt Ion:180 Resp: 7860

Ion Ratio Lower Upper

180 100

182 96.3 75.3 112.9

145 33.7 27.1 40.7



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

