

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX110220\
 Data File : VX019215.D
 Acq On : 02 Nov 2020 16:41
 Operator : JC/MD
 Sample : L4485-09 2.5PPB MDL
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 03 07:25:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SFAMXLM110220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Nov 02 14:52:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	421125	50.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	394150	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.06	152	185924	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	169809	46.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.68%
7) Chloroethane-d5	1.70	69	135855	50.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.94%
11) 1,1-Dichloroethene-d2	2.34	63	225087	37.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.26%
21) 2-Butanone-d5	4.53	46	213958	115.68	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	115.68%
24) Chloroform-d	5.14	84	279624	47.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.72%
26) 1,2-Dichloroethane-d4	6.03	65	194464	46.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.72%
32) Benzene-d6	6.05	84	593014	48.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.94%
36) 1,2-Dichloropropane-d6	7.37	67	178142	49.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.62%
41) Toluene-d8	8.70	98	545018	43.88	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.76%
43) trans-1,3-Dichloropropene-	8.99	79	92488	48.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.54%
47) 2-Hexanone-d5	9.43	63	170436	114.21	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	114.21%
56) 1,1,2,2-Tetrachloroethane-	11.23	84	222578	52.22	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.44%
66) 1,2-Dichlorobenzene-d4	12.36	152	184807	49.51	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.02%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.18	85	4807	1.801	ug/L	98
3) Chloromethane	1.31	50	6699	2.471	ug/L	98
5) Vinyl chloride	1.39	62	7255	2.374	ug/L #	56
6) Bromomethane	1.64	94	4971	2.461	ug/L	100
8) Chloroethane	1.71	64	4832	2.537	ug/L	98
9) Trichlorofluoromethane	1.92	101	8916	1.966	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.37	101	6601	2.524	ug/L #	75
12) 1,1-Dichloroethene	2.36	96	6831	2.692	ug/L #	1
13) Acetone	2.43	43	6074	5.314	ug/L	99
14) Carbon disulfide	2.56	76	16864	2.202	ug/L	98
15) Methyl Acetate	2.75	43	6759	2.710	ug/L	99
16) Methylene chloride	2.84	84	7148	2.526	ug/L	96
17) trans-1,2-Dichloroethene	3.15	96	6414	2.351	ug/L	92
18) Methyl tert-butyl Ether	3.17	73	20857	2.418	ug/L	97
19) 1,1-Dichloroethane	3.67	63	11103	2.290	ug/L	97
20) cis-1,2-Dichloroethene	4.56	96	7163	2.390	ug/L	93
22) 2-Butanone	4.64	43	10373	5.746	ug/L	92

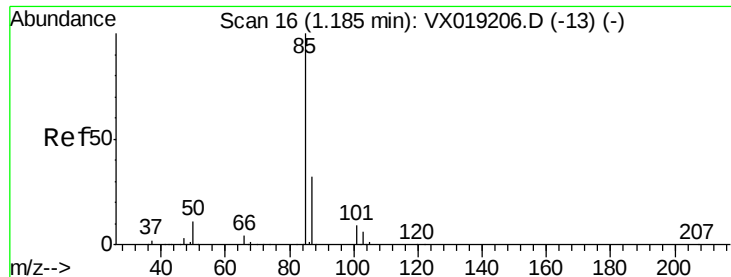
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110220\
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 Quant Title : VOC Analysis
 QLast Update : Mon Nov 02 14:52:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.98	128	3618	2.397	ug/L	94
25) Chloroform	5.17	83	19972	3.925	ug/L	99
27) 1,2-Dichloroethane	6.16	62	9960	2.486	ug/L	99
29) Cyclohexane	5.56	56	7764	1.711	ug/L	99
30) 1,1,1-Trichloroethane	5.46	97	9465	1.992	ug/L #	84
31) Carbon tetrachloride	5.76	117	7728	1.893	ug/L	98
33) Benzene	6.12	78	24735	2.186	ug/L	100
34) Trichloroethene	7.19	95	6555	2.122	ug/L	96
35) Methylcyclohexane	7.43	83	7964	1.629	ug/L	97
37) 1,2-Dichloropropane	7.49	63	6084	2.165	ug/L #	97
38) Bromodichloromethane	7.87	83	8427	2.156	ug/L #	95
39) cis-1,3-Dichloropropene	8.41	75	10251	2.195	ug/L	99
40) 4-Methyl-2-pentanone	8.62	43	17092	4.972	ug/L	99
42) Toluene	8.76	91	34286	2.785	ug/L	99
44) trans-1,3-Dichloropropene	9.02	75	10514	2.311	ug/L	99
45) 1,1,2-Trichloroethane	9.20	97	6644	2.406	ug/L	97
46) Tetrachloroethene	9.31	164	4600	1.974	ug/L	94
48) 2-Hexanone	9.47	43	16292	6.015	ug/L	97
49) Dibromochloromethane	9.56	129	6491	2.149	ug/L	88
50) 1,2-Dibromoethane	9.65	107	6705	2.322	ug/L	99
51) Chlorobenzene	10.12	112	16939	2.213	ug/L	97
52) Ethylbenzene	10.24	91	28308	2.127	ug/L	99
53) m,p-Xylene	10.34	106	10445	2.089	ug/L	91
54) o-Xylene	10.68	106	10272	2.122	ug/L	96
55) Styrene	10.69	104	16541	2.026	ug/L	98
57) 1,1,2,2-Tetrachloroethane	11.25	83	10309	2.724	ug/L #	95
59) Bromoform	10.84	173	4165	2.068	ug/L	97
60) Isopropylbenzene	11.00	105	25077	1.987	ug/L	100
61) 1,2,3-Trichloropropane	11.28	75	8294	2.619	ug/L	98
62) 1,3,5-Trimethylbenzene	11.49	105	20339	1.959	ug/L	98
63) 1,2,4-Trimethylbenzene	11.79	105	20854	2.124	ug/L	99
64) 1,3-Dichlorobenzene	12.01	146	11763	2.159	ug/L	97
65) 1,4-Dichlorobenzene	12.08	146	12756	2.308	ug/L	96
67) 1,2-Dichlorobenzene	12.38	146	12271	2.326	ug/L	93
68) 1,2-Dibromo-3-chloropropan	12.98	75	1788	2.073	ug/L	92
69) 1,3,5-Trichlorobenzene	13.15	180	7730	2.026	ug/L	98
70) 1,2,4-trichlorobenzene	13.63	180	7576	2.154	ug/L	98
71) Naphthalene	13.82	128	23469	2.064	ug/L	99
72) 1,2,3-Trichlorobenzene	14.01	180	7293	2.119	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 1.801 ug/L

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX019215.D

Acq: 02 Nov 2020 16:41

Instrument :

MSVOA_X

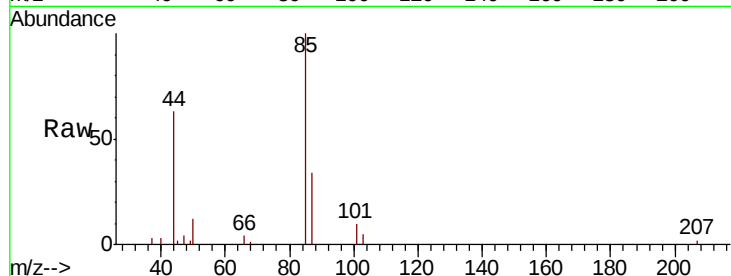
ClientSampled :

Tot Ion: 85 Resp: 4807

Ion Ratio Lower Upper

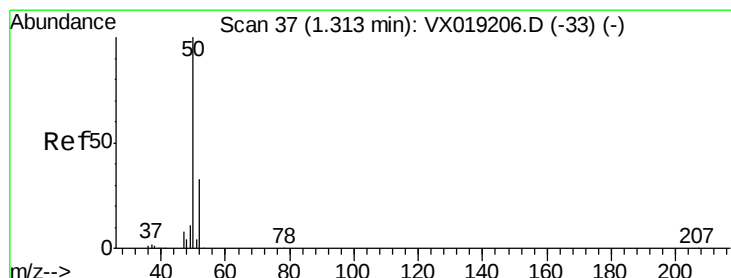
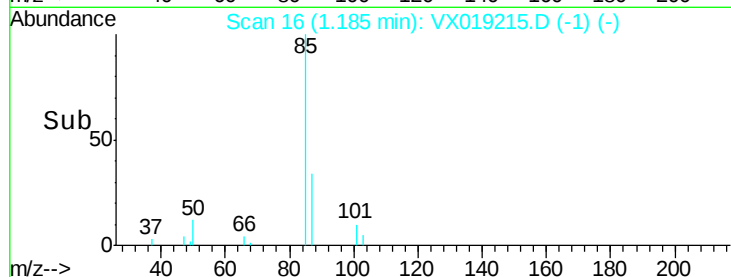
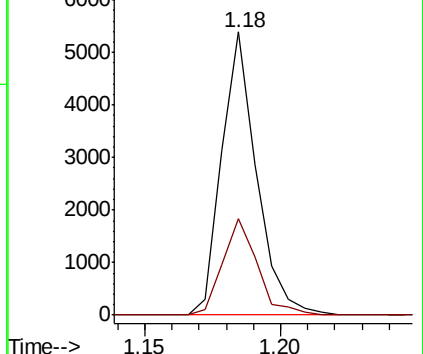
85 100

87 33.5 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: 2.471 ug/L

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX019215.D

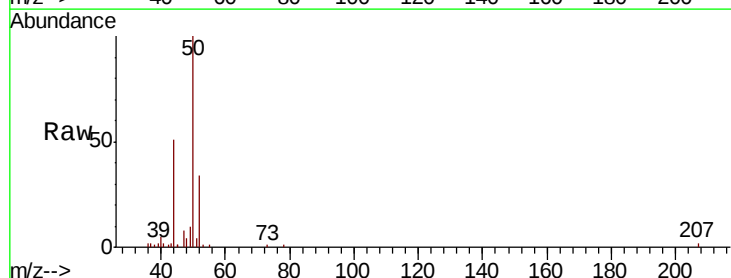
Acq: 02 Nov 2020 16:41

Tgt Ion: 50 Resp: 6699

Ion Ratio Lower Upper

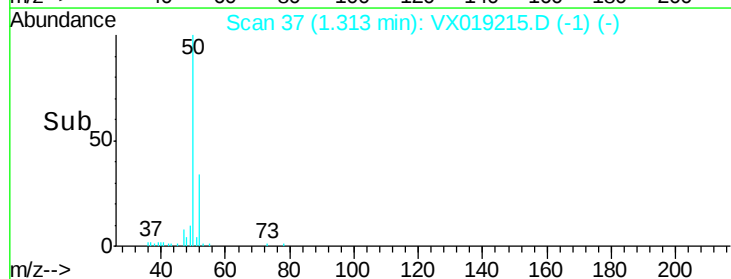
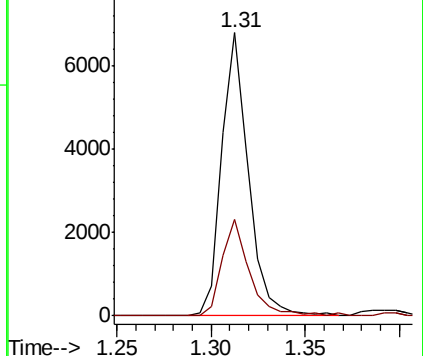
50 100

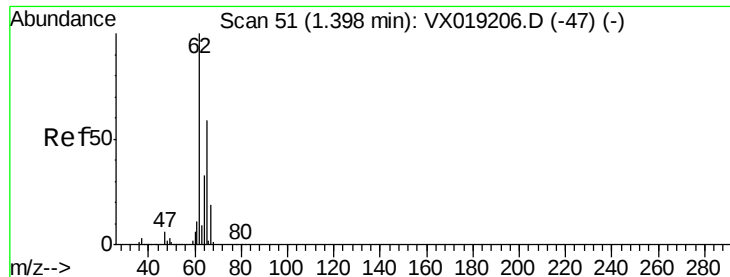
52 33.9 22.8 42.4



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





#5

Vinyl chloride

Concen: 2.374 ug/L

RT: 1.39 min Scan# 50

Delta R.T. -0.01 min

Lab File: VX019215.D

Acq: 02 Nov 2020 16:41

Instrument :

MSVOA_X

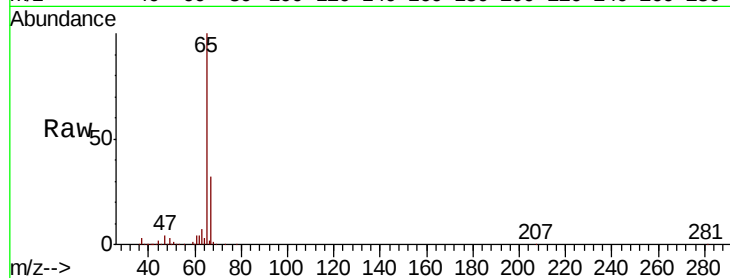
ClientSampleId :

Tot Ion: 62 Resp: 7255

Ion Ratio Lower Upper

62 100

64 58.6 23.4 43.6#



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0

1.39

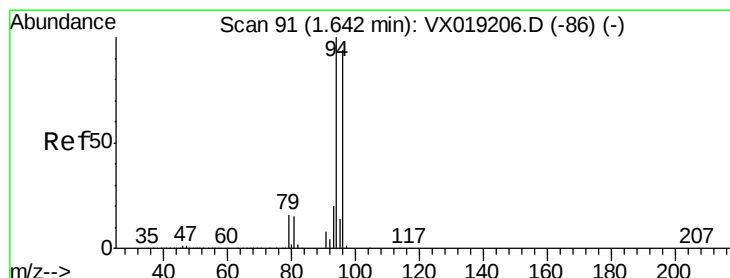
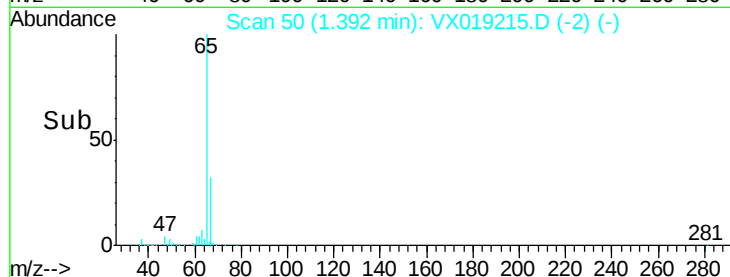
6000

4000

2000

0

Time--> 1.35 1.40 1.45



#6

Bromomethane

Concen: 2.461 ug/L

RT: 1.64 min Scan# 91

Delta R.T. -0.00 min

Lab File: VX019215.D

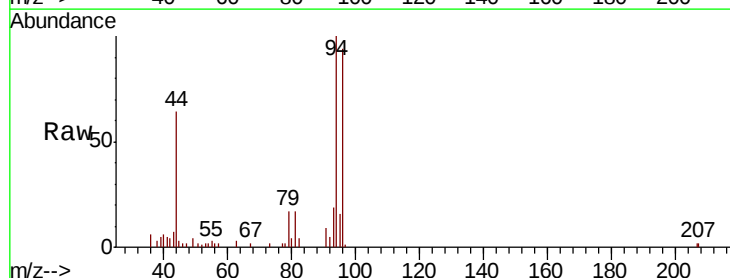
Acq: 02 Nov 2020 16:41

Tgt Ion: 94 Resp: 4971

Ion Ratio Lower Upper

94 100

96 94.0 66.0 122.6



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0

1.64

4000

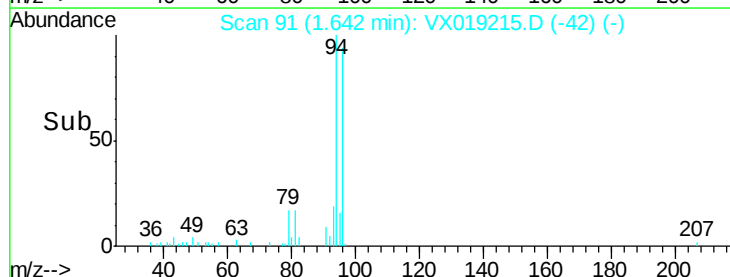
3000

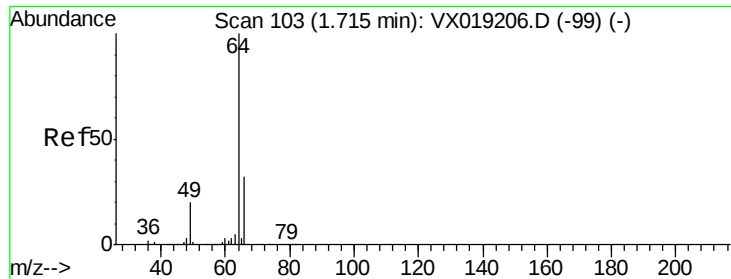
2000

1000

0

Time--> 1.60 1.65 1.70





#8

Chloroethane

Concen: 2.537 ug/L

RT: 1.71 min Scan# 103

Delta R.T. -0.00 min

Lab File: VX019215.D

Acq: 02 Nov 2020 16:41

Instrument :

MSVOA_X

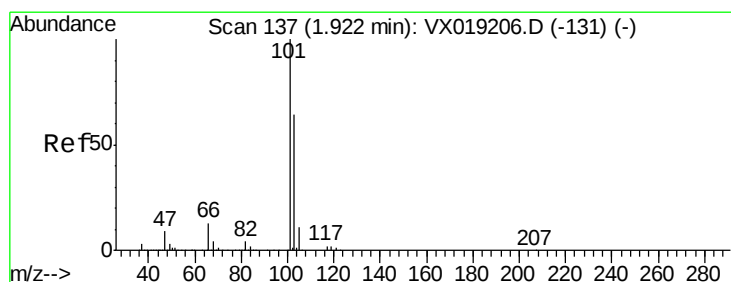
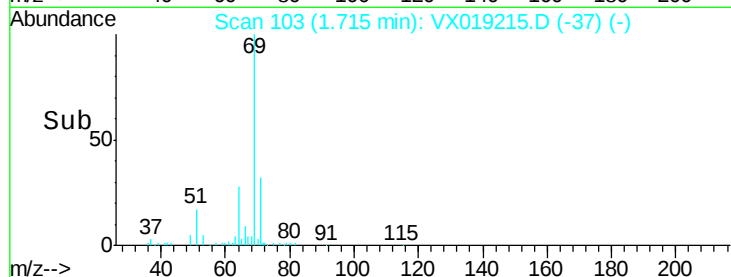
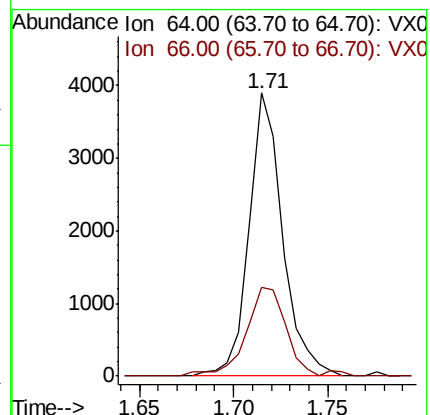
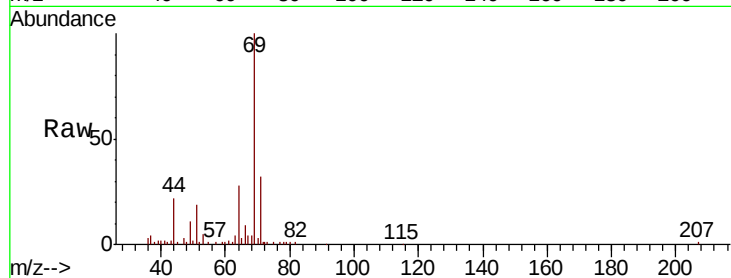
ClientSampleId :

Tot Ion: 64 Resp: 4832

Ion Ratio Lower Upper

64 100

66 31.3 22.5 41.9



#9

Trichlorofluoromethane

Concen: 1.966 ug/L

RT: 1.92 min Scan# 137

Delta R.T. -0.00 min

Lab File: VX019215.D

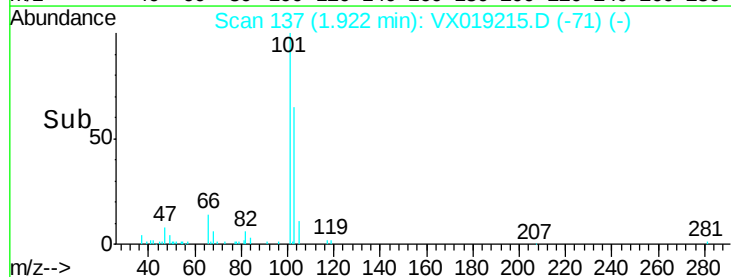
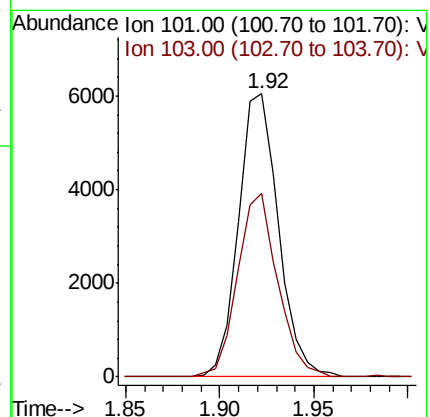
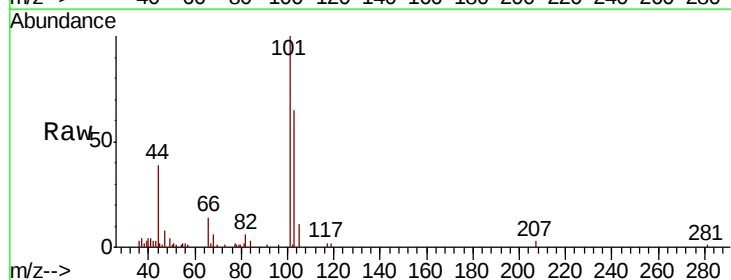
Acq: 02 Nov 2020 16:41

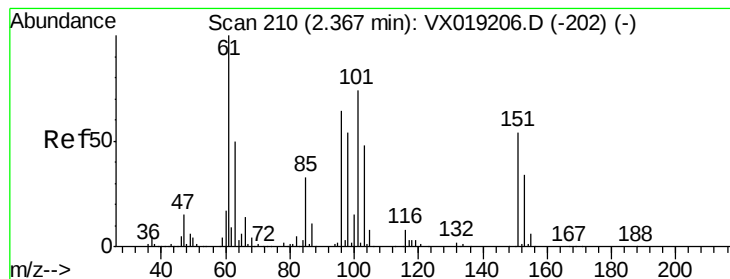
Tgt Ion: 101 Resp: 8916

Ion Ratio Lower Upper

101 100

103 64.9 51.3 76.9





#10

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

Concen: 2.524 ug/L

RT: 2.37 min Scan# 210

Delta R.T. -0.00 min

Lab File: VX019215.D

Acq: 02 Nov 2020 16:41

Instrument :

MSVOA_X

ClientSampled :

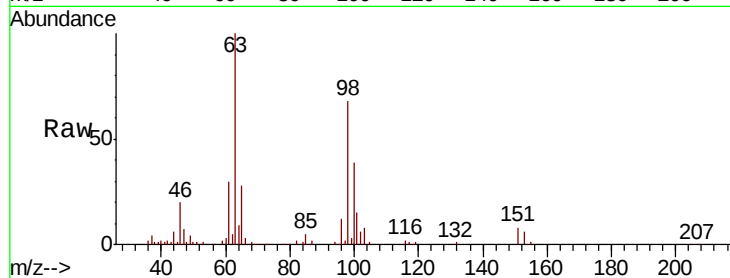
Tot Ion:101 Resp: 6601

Ion Ratio Lower Upper

101 100

85 29.0 35.0 52.4#

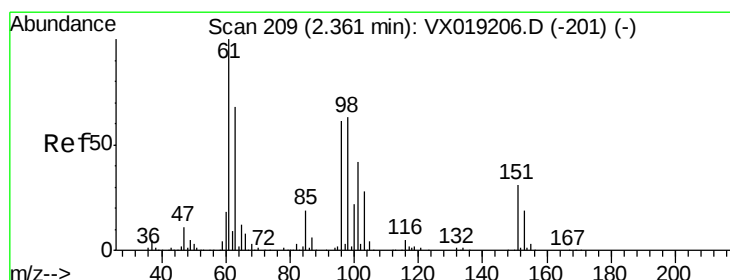
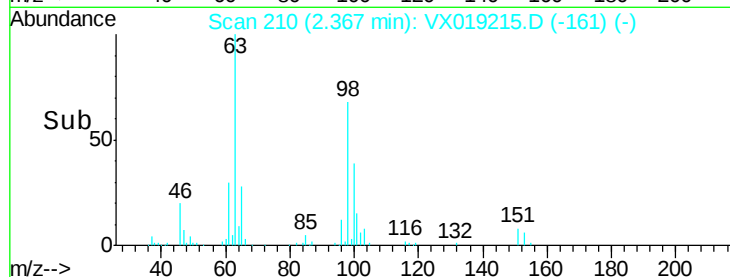
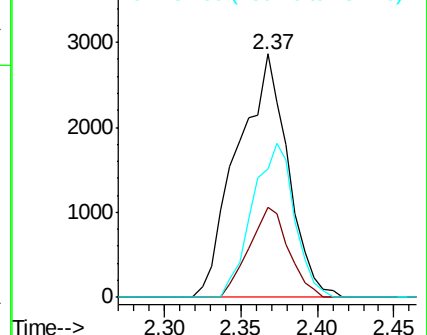
151 52.6 59.9 89.9#



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: 2.692 ug/L

RT: 2.36 min Scan# 208

Delta R.T. -0.01 min

Lab File: VX019215.D

Acq: 02 Nov 2020 16:41

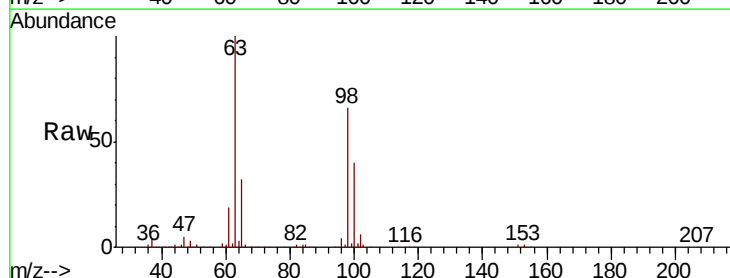
Tgt Ion: 96 Resp: 6831

Ion Ratio Lower Upper

96 100

61 432.6 115.1 213.8#

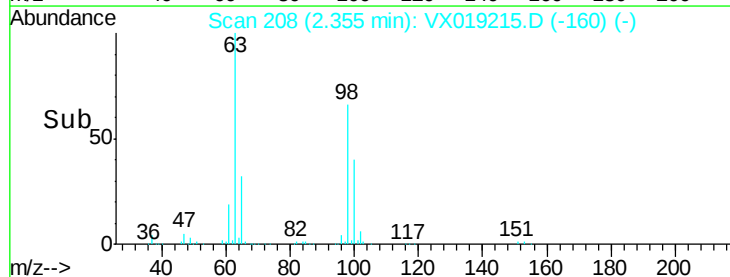
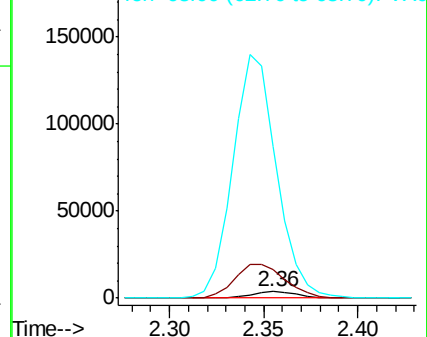
63 2303.7 78.3 145.5#

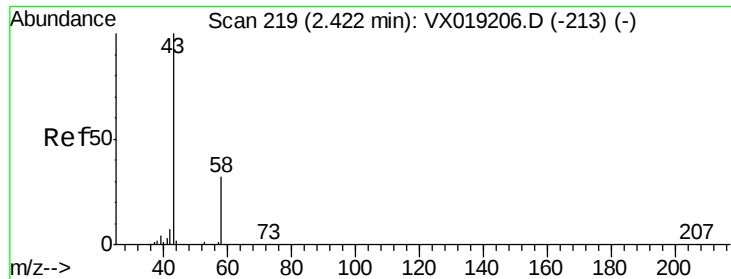


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 63.00 (62.70 to 63.70): VX0





#13

Acetone

Concen: 5.314 ug/L

RT: 2.43 min Scan# 220

Delta R.T. 0.01 min

Lab File: VX019215.D

Acq: 02 Nov 2020 16:41

Instrument :

MSVOA_X

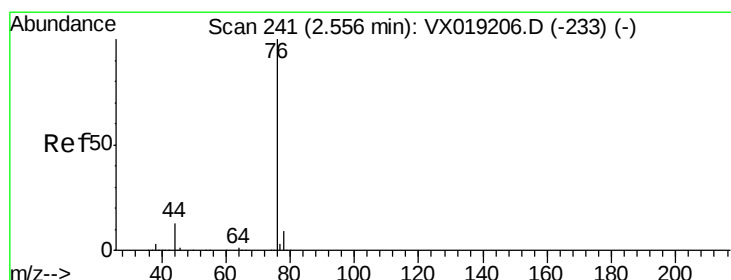
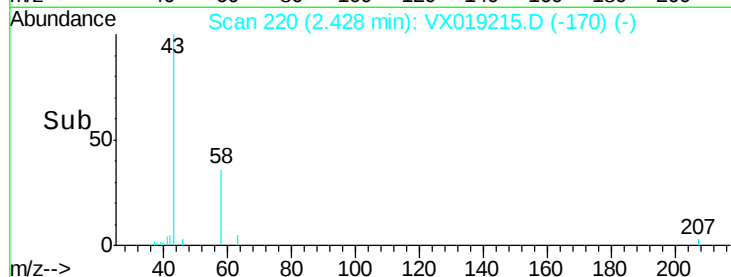
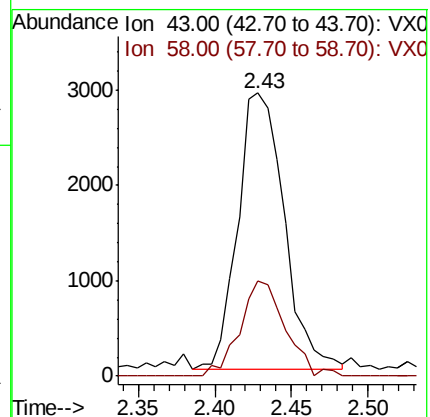
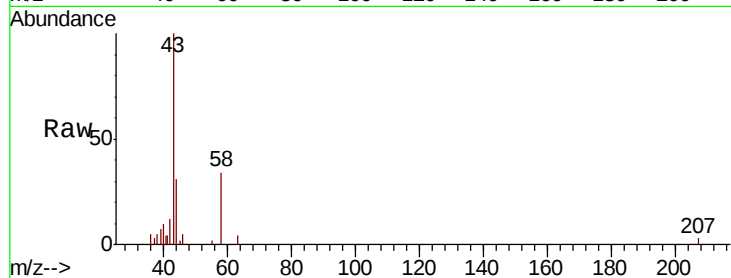
ClientSampleId :

Tot Ion: 43 Resp: 6074

Ion Ratio Lower Upper

43 100

58 33.0 0.0 64.6



#14

Carbon disulfide

Concen: 2.202 ug/L

RT: 2.56 min Scan# 241

Delta R.T. -0.00 min

Lab File: VX019215.D

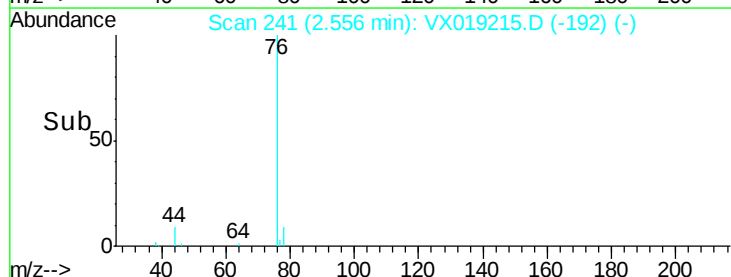
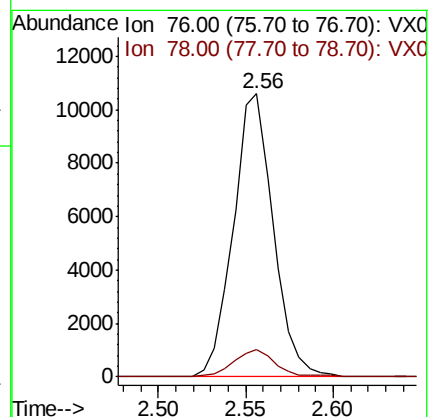
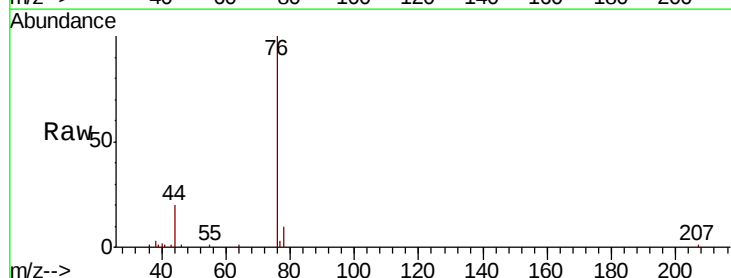
Acq: 02 Nov 2020 16:41

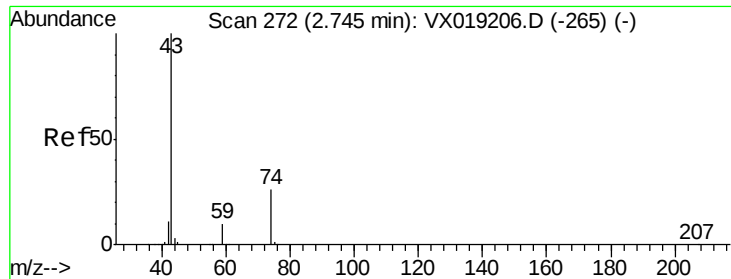
Tgt Ion: 76 Resp: 16864

Ion Ratio Lower Upper

76 100

78 9.7 7.1 10.7

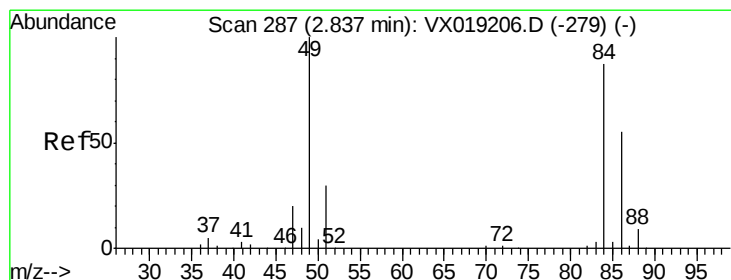
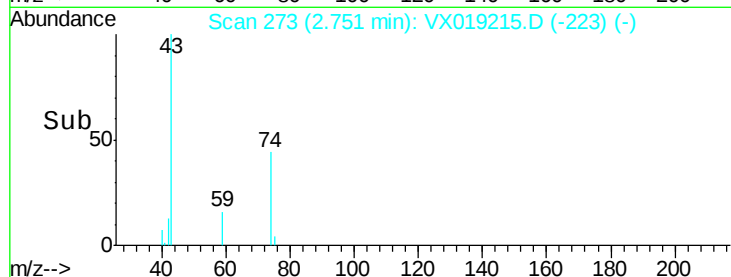
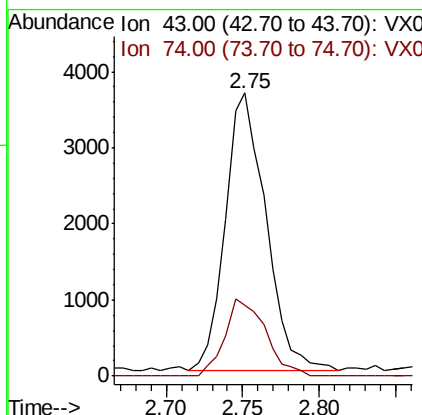
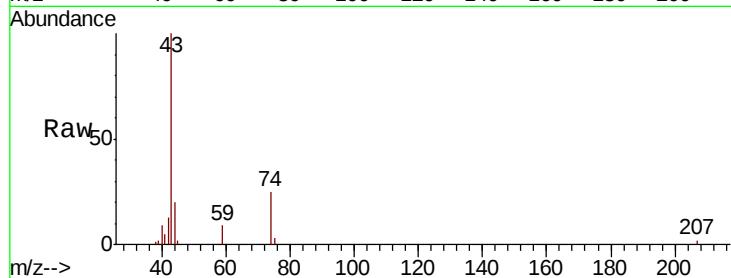




#15
Methyl Acetate
Concen: 2.710 ug/L
RT: 2.75 min Scan# 273
Delta R.T. 0.01 min
Lab File: VX019215.D
Acq: 02 Nov 2020 16:41

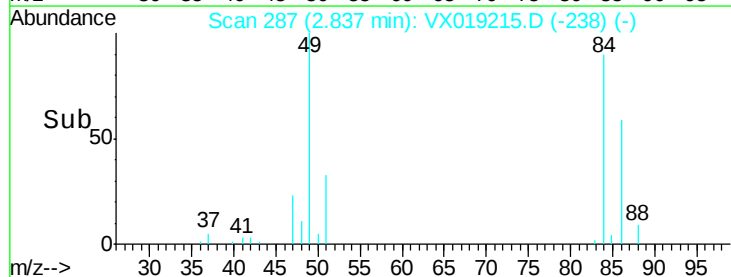
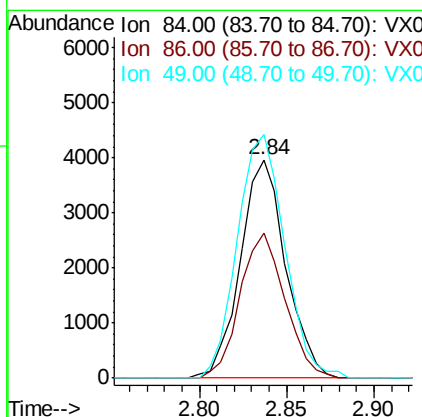
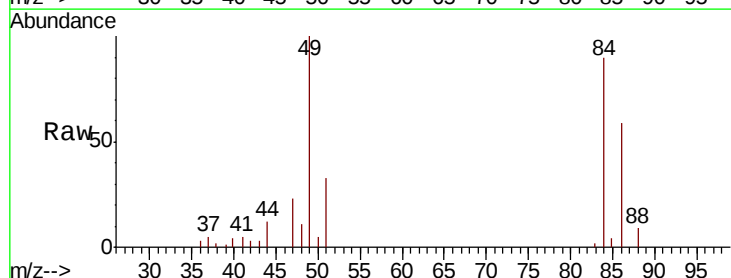
Instrument :
MSVOA_X
ClientSampled :

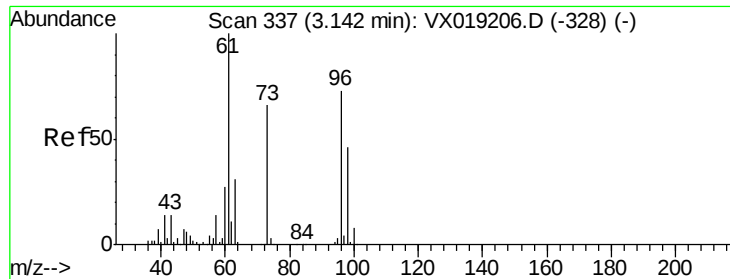
Tot Ion: 43 Resp: 6759
Ion Ratio Lower Upper
43 100
74 27.7 21.8 32.8



#16
Methylene chloride
Concen: 2.526 ug/L
RT: 2.84 min Scan# 287
Delta R.T. -0.00 min
Lab File: VX019215.D
Acq: 02 Nov 2020 16:41

Tgt Ion: 84 Resp: 7148
Ion Ratio Lower Upper
84 100
86 66.3 44.0 81.6
49 111.6 80.6 149.6





#17

trans-1,2-Dichloroethene

Concen: 2.351 ug/L

RT: 3.15 min Scan# 338

Delta R.T. 0.01 min

Lab File: VX019215.D

Acq: 02 Nov 2020 16:41

Instrument :

MSVOA_X

ClientSampled :

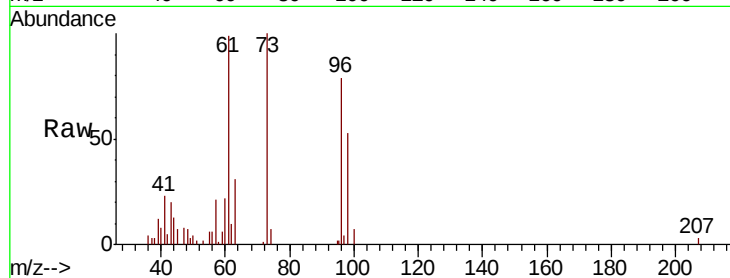
Tot Ion: 96 Resp: 6414

Ion Ratio Lower Upper

96 100

61 126.0 95.7 177.7

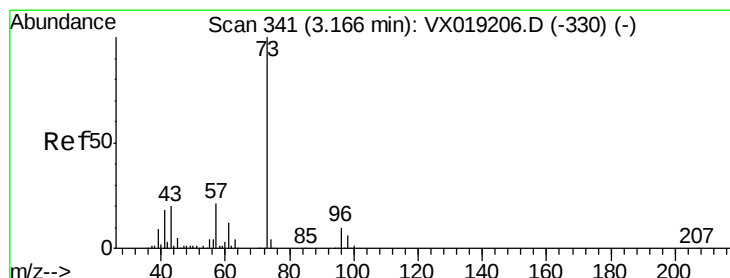
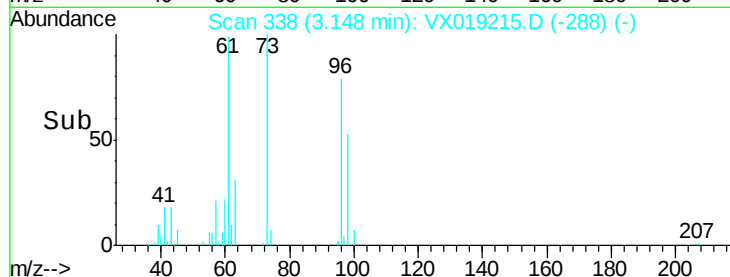
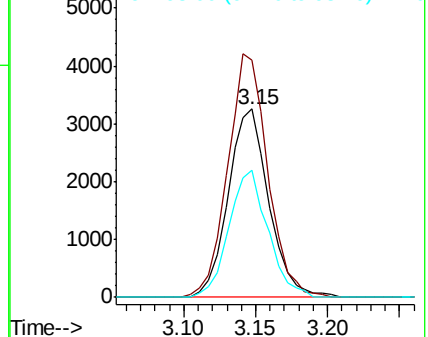
98 67.4 44.2 82.0



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: 2.418 ug/L

RT: 3.17 min Scan# 341

Delta R.T. -0.00 min

Lab File: VX019215.D

Acq: 02 Nov 2020 16:41

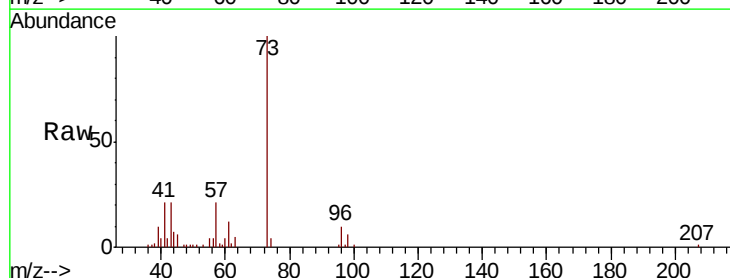
Tgt Ion: 73 Resp: 20857

Ion Ratio Lower Upper

73 100

43 21.8 15.8 23.6

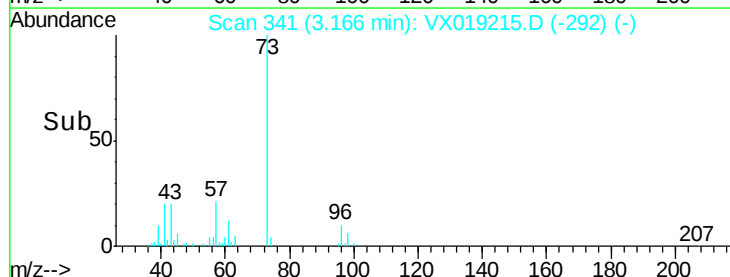
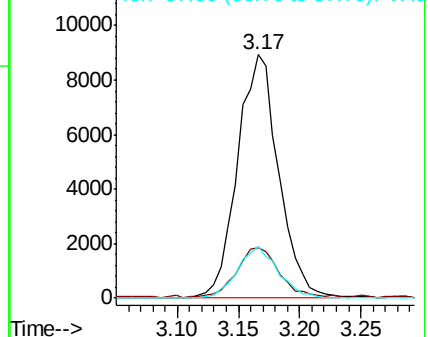
57 20.7 17.0 25.4

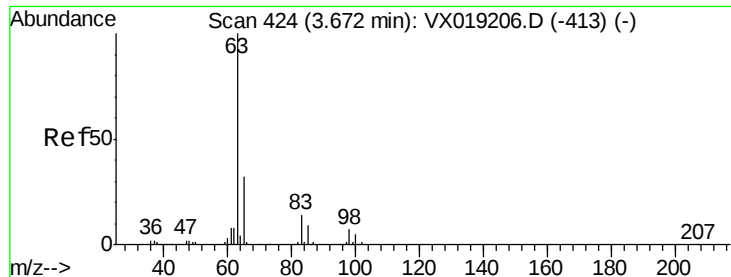


Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#19

1,1-Dichloroethane

Concen: 2.290 ug/L

RT: 3.67 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX019215.D

Acq: 02 Nov 2020 16:41

Instrument :

MSVOA_X

ClientSampleId :

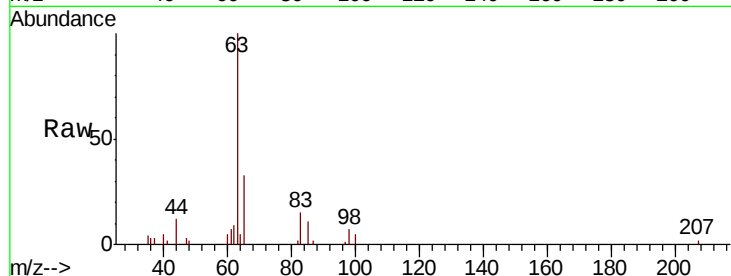
Tot Ion: 63 Resp: 11103

Ion Ratio Lower Upper

63 100

65 33.5 22.3 41.3

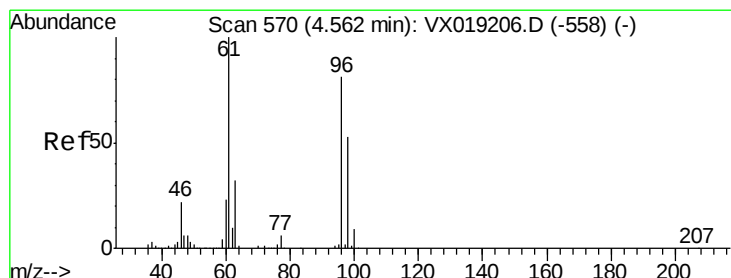
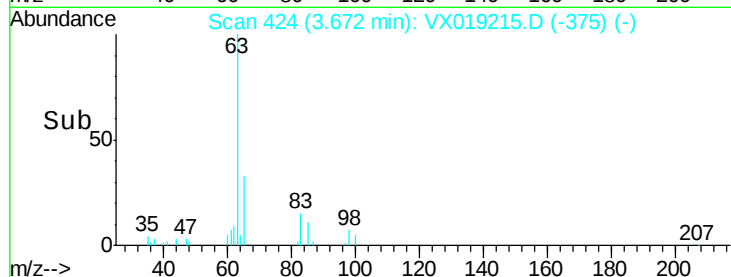
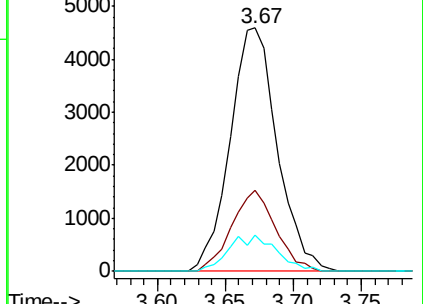
83 15.1 9.7 18.1



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: 2.390 ug/L

RT: 4.56 min Scan# 570

Delta R.T. -0.00 min

Lab File: VX019215.D

Acq: 02 Nov 2020 16:41

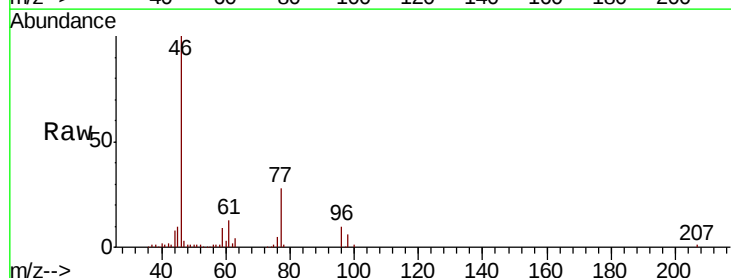
Tgt Ion: 96 Resp: 7163

Ion Ratio Lower Upper

96 100

61 131.0 86.1 159.9

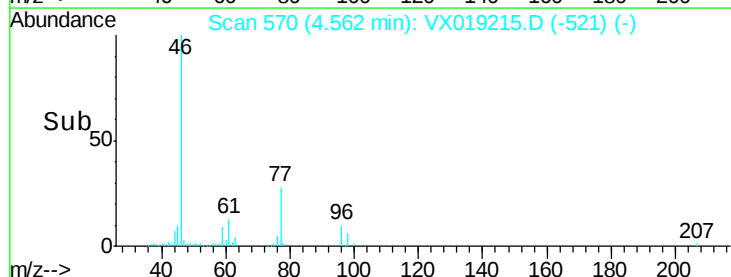
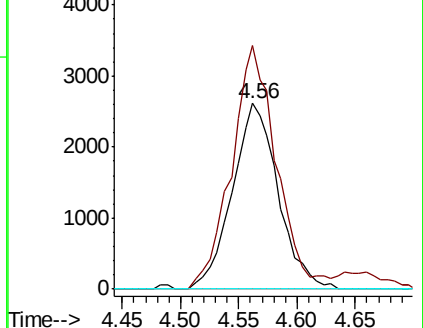
68 0.0 0.0 0.0

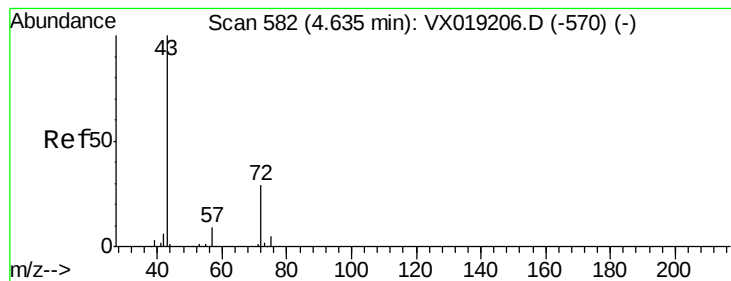


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 68.00 (67.70 to 68.70): VX0





#22

2-Butanone

Concen: 5.746 ug/L

RT: 4.64 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX019215.D

Acq: 02 Nov 2020 16:41

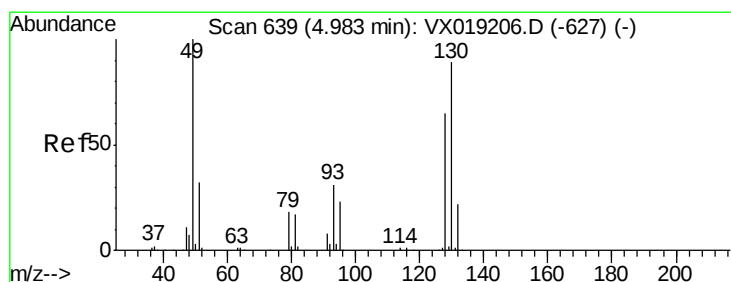
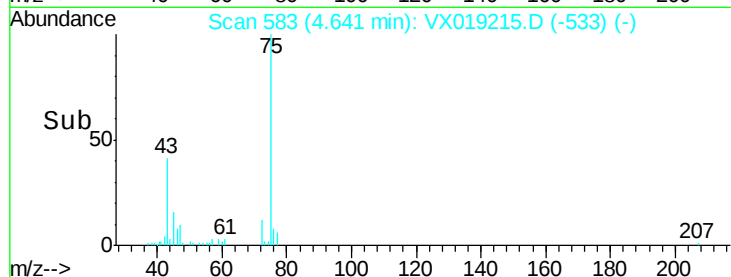
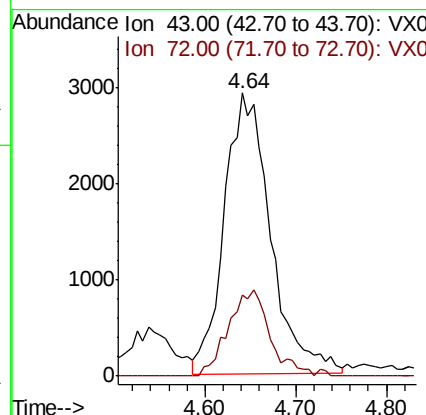
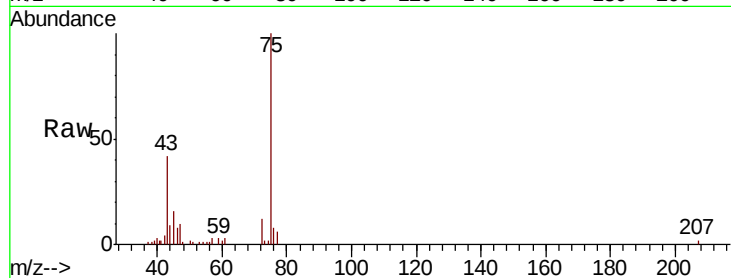
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 10373

Ion Ratio Lower Upper

43 100

72 25.5 15.0 45.0



#23

Bromochloromethane

Concen: 2.397 ug/L

RT: 4.98 min Scan# 638

Delta R.T. -0.01 min

Lab File: VX019215.D

Acq: 02 Nov 2020 16:41

Tgt Ion:128 Resp: 3618

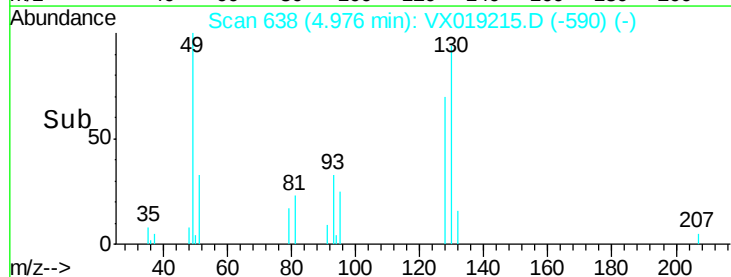
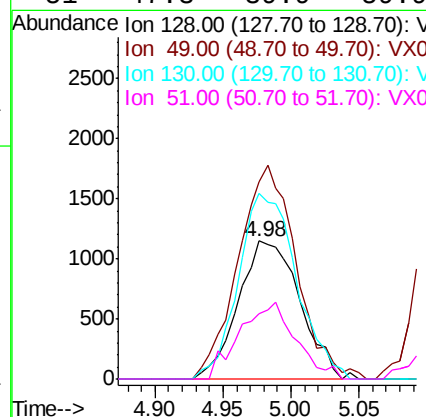
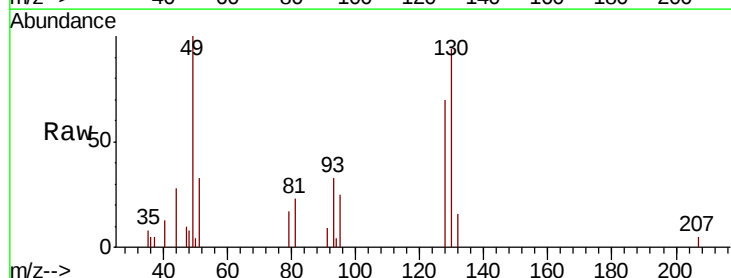
Ion Ratio Lower Upper

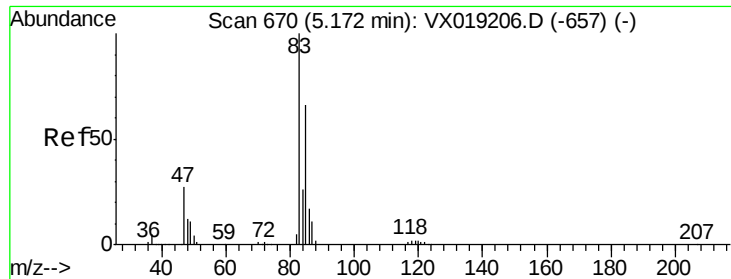
128 100

49 143.6 108.4 201.4

130 134.6 96.7 179.7

51 47.3 39.9 59.9

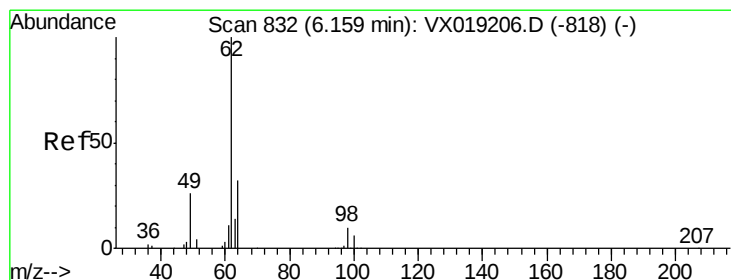
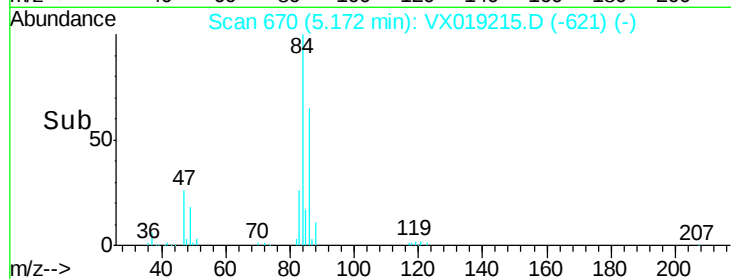
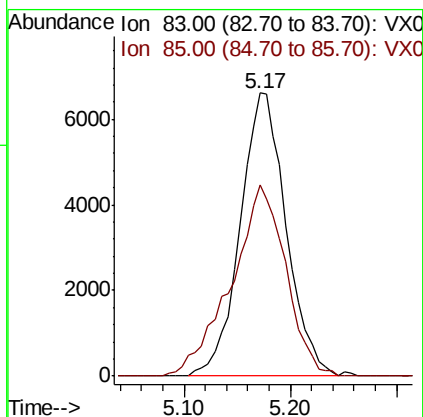
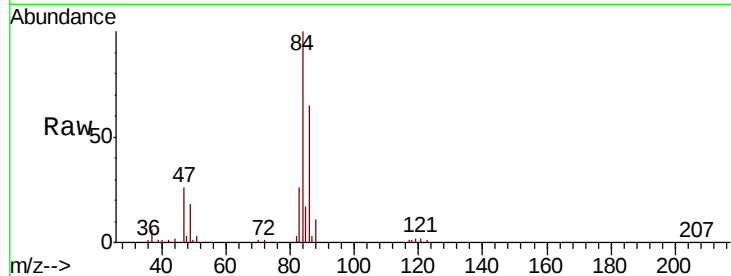




#25
Chloroform
Concen: 3.925 ug/L
RT: 5.17 min Scan# 670
Delta R.T. -0.00 min
Lab File: VX019215.D
Acq: 02 Nov 2020 16:41

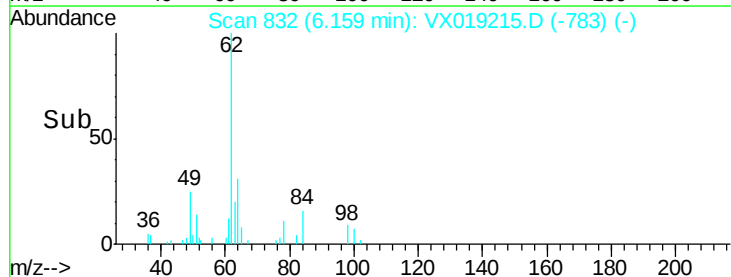
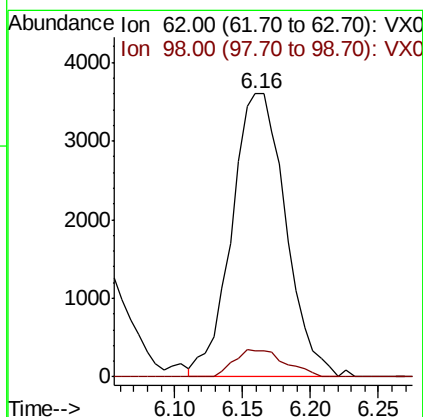
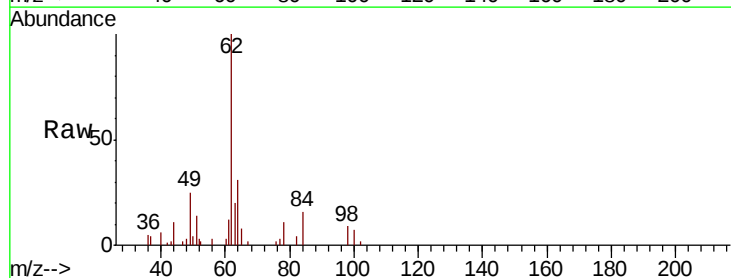
Instrument :
MSVOA_X
ClientSampleId :

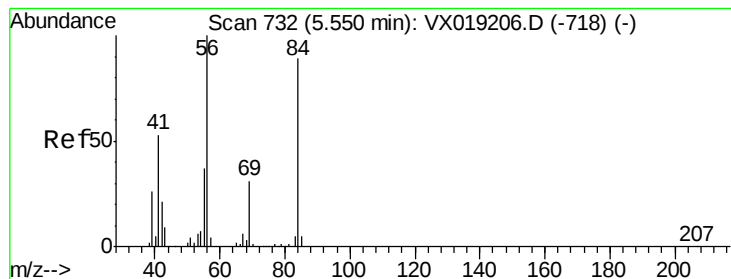
Tot Ion: 83 Resp: 19972
Ion Ratio Lower Upper
83 100
85 67.5 46.5 86.3



#27
1,2-Dichloroethane
Concen: 2.486 ug/L
RT: 6.16 min Scan# 832
Delta R.T. -0.00 min
Lab File: VX019215.D
Acq: 02 Nov 2020 16:41

Tgt Ion: 62 Resp: 9960
Ion Ratio Lower Upper
62 100
98 9.3 7.6 11.4





#29

Cyclohexane

Concen: 1.711 ug/L

RT: 5.56 min Scan# 733

Delta R.T. 0.01 min

Lab File: VX019215.D

Acq: 02 Nov 2020 16:41

Instrument :

MSVOA_X

ClientSampleId :

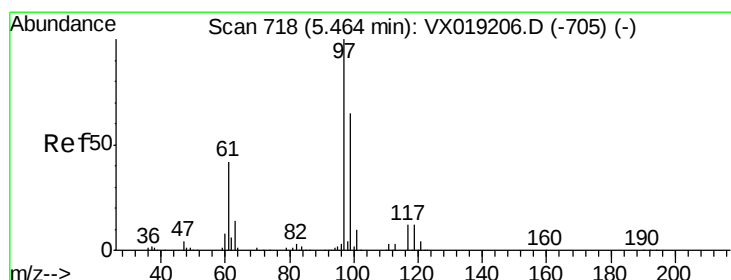
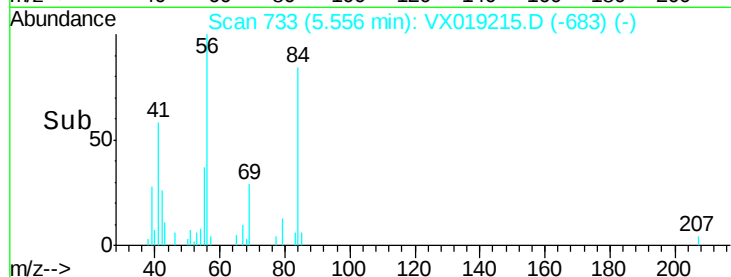
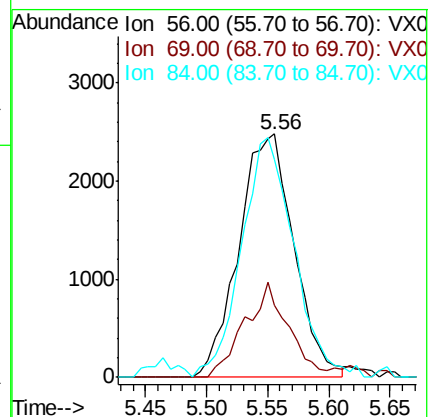
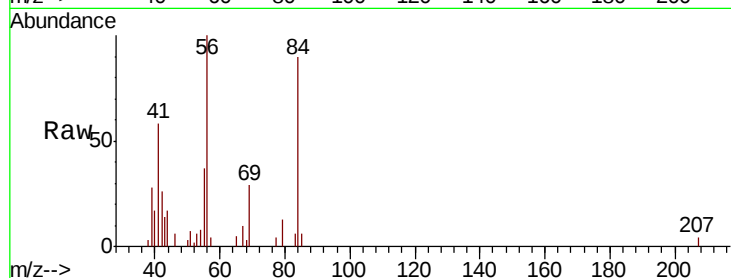
Tot Ion: 56 Resp: 7764

Ion Ratio Lower Upper

56 100

69 30.8 25.2 37.8

84 93.0 73.6 110.4



#30

1,1,1-Trichloroethane

Concen: 1.992 ug/L

RT: 5.46 min Scan# 717

Delta R.T. -0.01 min

Lab File: VX019215.D

Acq: 02 Nov 2020 16:41

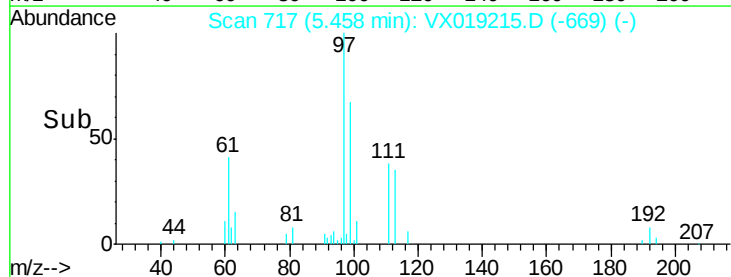
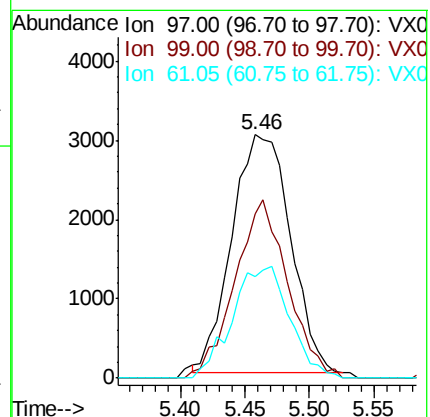
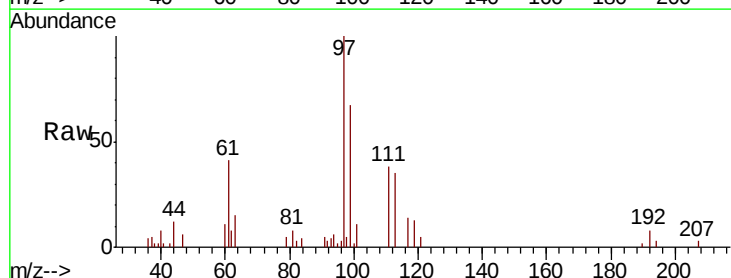
Tgt Ion: 97 Resp: 9465

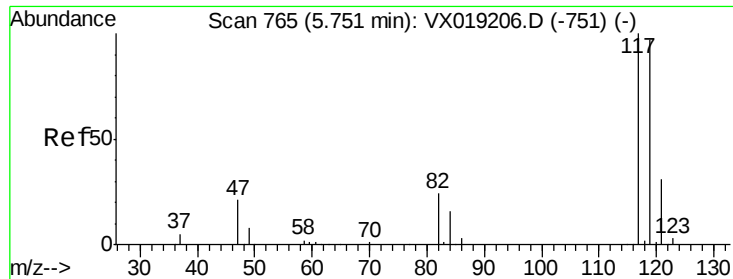
Ion Ratio Lower Upper

97 100

99 67.6 51.0 76.6

61 22.0 34.8 52.2#

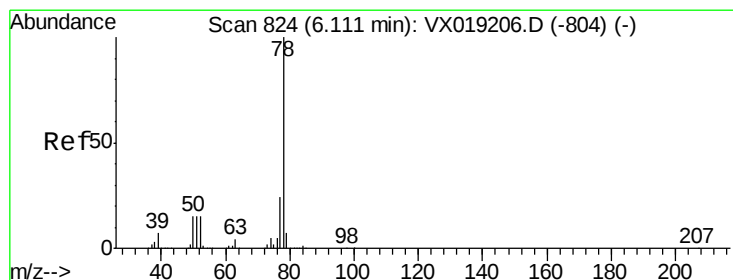
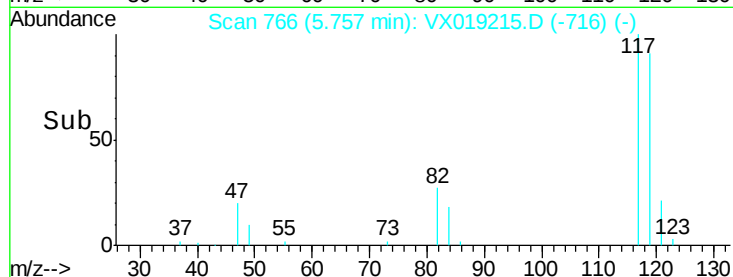
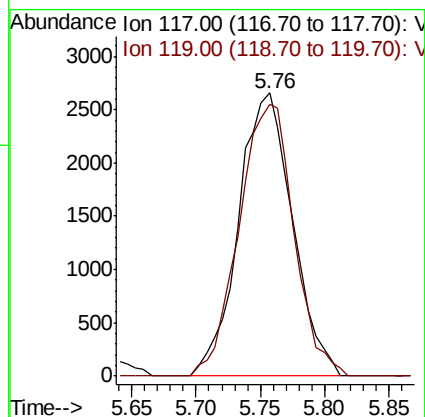
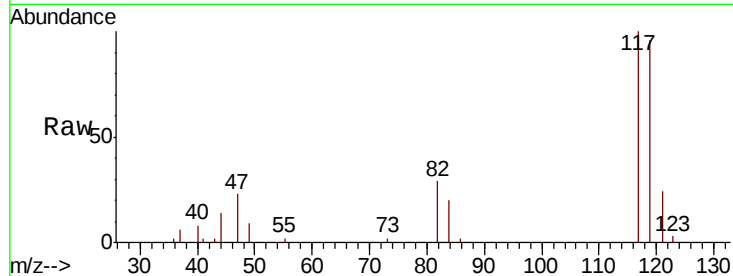




#31
Carbon tetrachloride
Concen: 1.893 ug/L
RT: 5.76 min Scan# 766
Delta R.T. 0.01 min
Lab File: VX019215.D
Acq: 02 Nov 2020 16:41

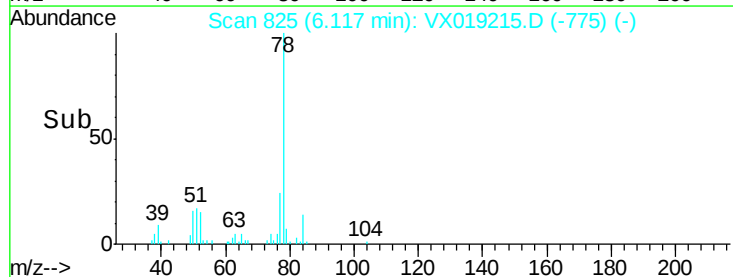
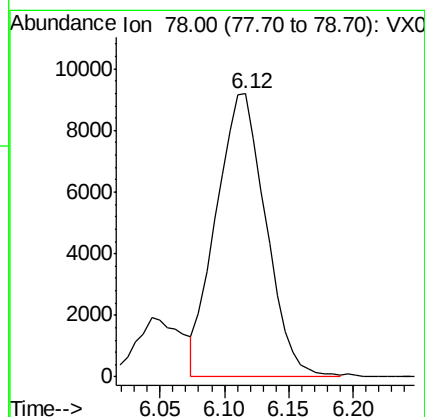
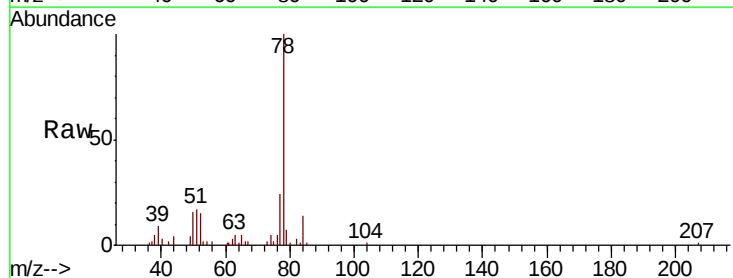
Instrument :
MSVOA_X
ClientSampled :

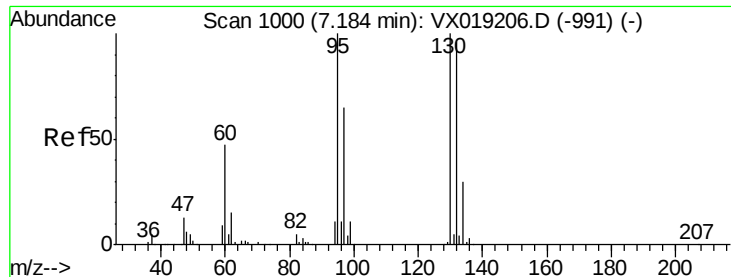
Tot Ion:117 Resp: 7728
Ion Ratio Lower Upper
117 100
119 97.8 76.9 115.3



#33
Benzene
Concen: 2.186 ug/L
RT: 6.12 min Scan# 825
Delta R.T. 0.01 min
Lab File: VX019215.D
Acq: 02 Nov 2020 16:41

Tgt Ion: 78 Resp: 24735

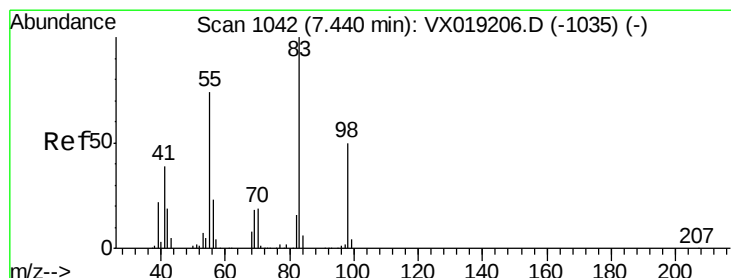
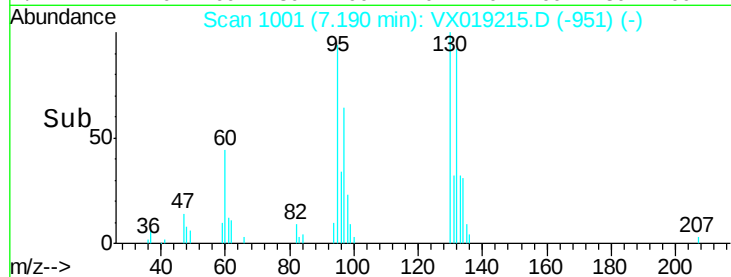
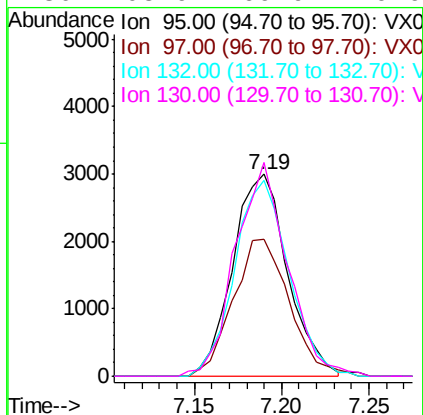
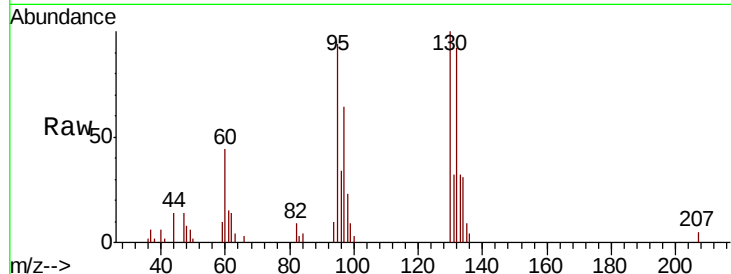




#34
 Trichloroethene
 Concen: 2.122 ug/L
 RT: 7.19 min Scan# 1001
 Delta R.T. 0.01 min
 Lab File: VX019215.D
 Acq: 02 Nov 2020 16:41

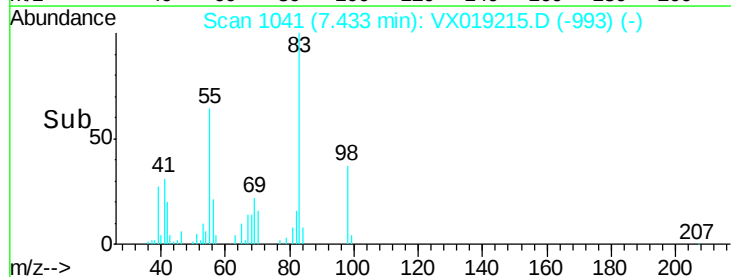
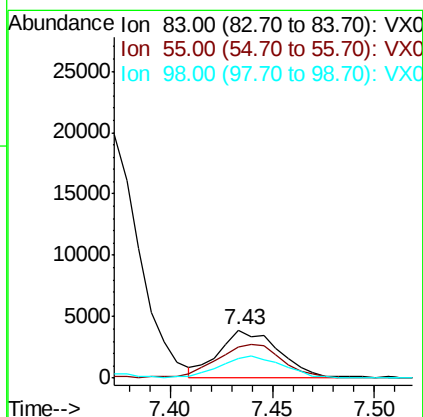
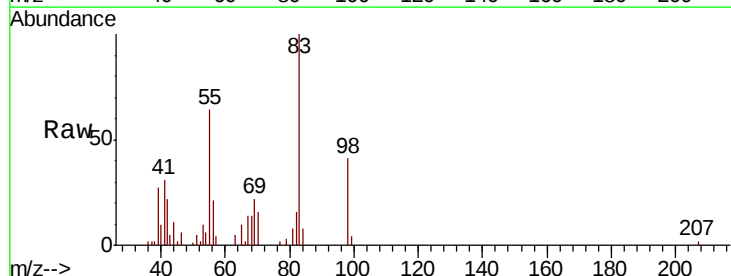
Instrument :
 MSVOA_X
 ClientSampleId :

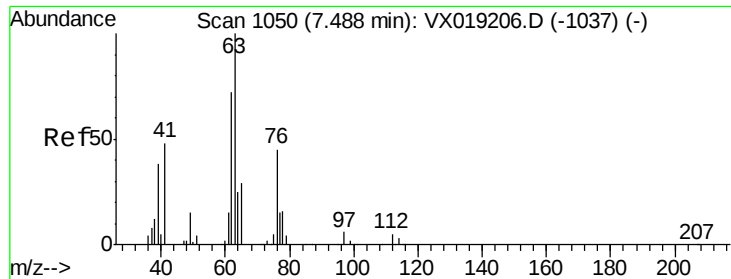
Tot Ion: 95 Resp: 6555
 Ion Ratio Lower Upper
 95 100
 97 68.1 45.1 83.9
 132 97.3 67.3 124.9
 130 105.9 69.9 129.9



#35
 Methylcyclohexane
 Concen: 1.629 ug/L
 RT: 7.43 min Scan# 1041
 Delta R.T. -0.01 min
 Lab File: VX019215.D
 Acq: 02 Nov 2020 16:41

Tgt Ion: 83 Resp: 7964
 Ion Ratio Lower Upper
 83 100
 55 77.4 58.6 87.8
 98 49.0 39.0 58.6

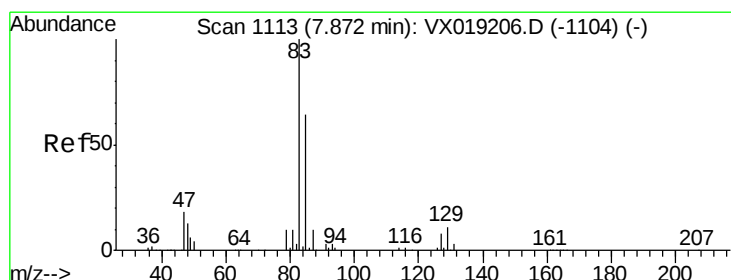
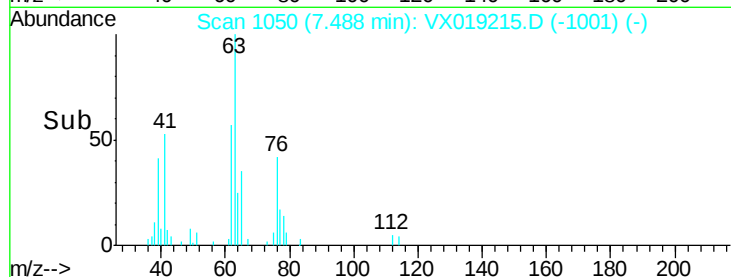
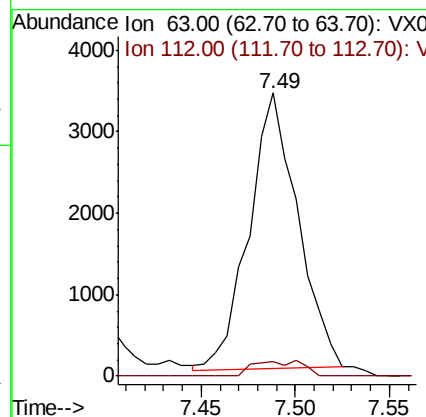
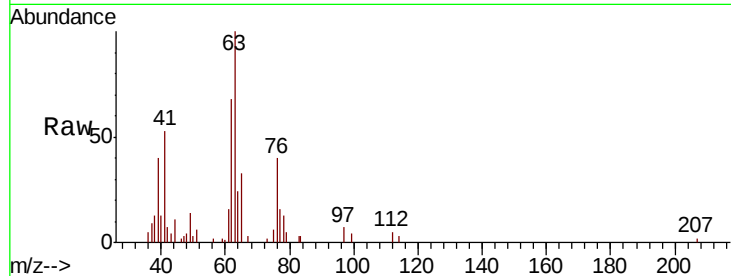




#37
 1,2-Dichloropropane
 Concen: 2.165 ug/L
 RT: 7.49 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VX019215.D
 Acq: 02 Nov 2020 16:41

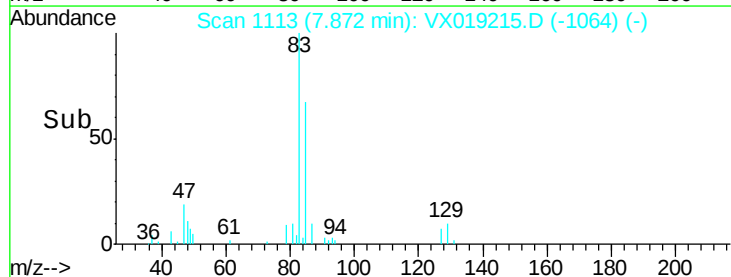
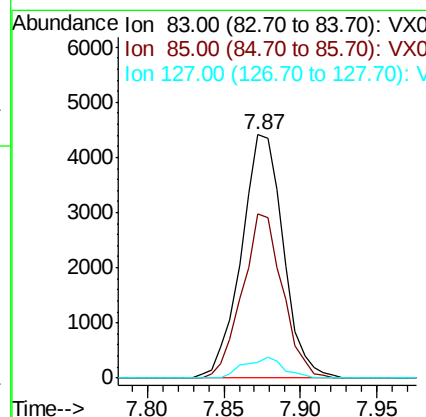
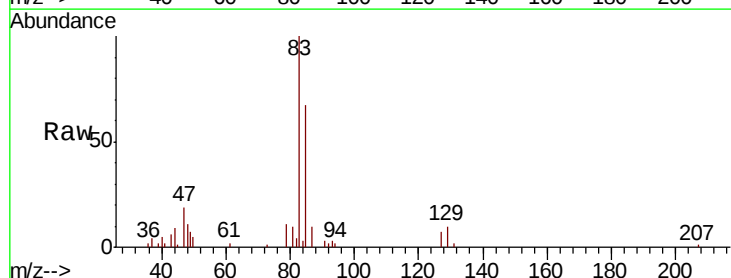
Instrument :
 MSVOA_X
 ClientSampleId :

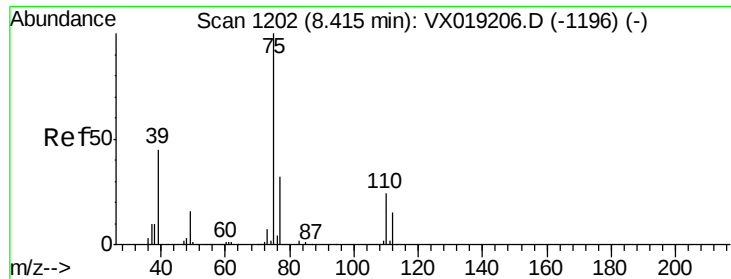
Tot Ion: 63 Resp: 6084
 Ion Ratio Lower Upper
 63 100
 112 3.7 3.8 5.6#



#38
 Bromodichloromethane
 Concen: 2.156 ug/L
 RT: 7.87 min Scan# 1113
 Delta R.T. -0.00 min
 Lab File: VX019215.D
 Acq: 02 Nov 2020 16:41

Tgt Ion: 83 Resp: 8427
 Ion Ratio Lower Upper
 83 100
 85 67.3 44.6 82.8
 127 6.6 6.8 10.2#



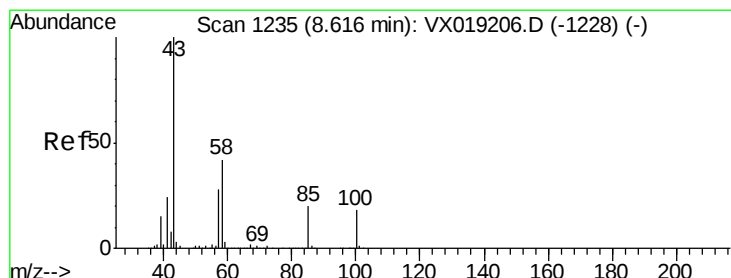
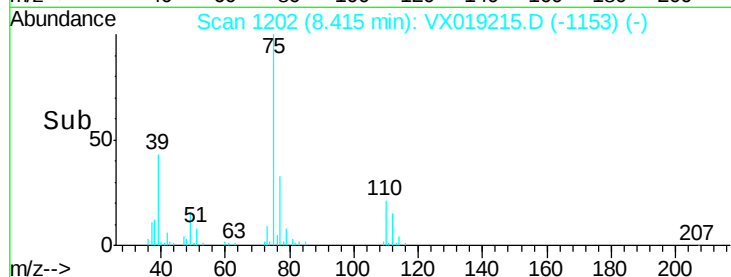
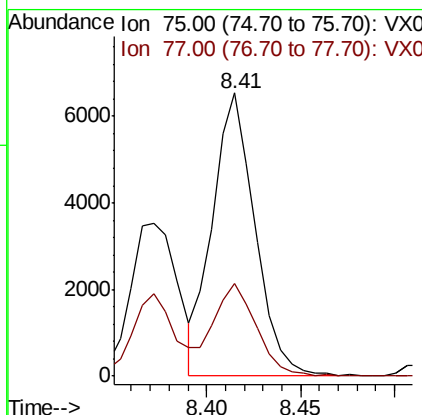
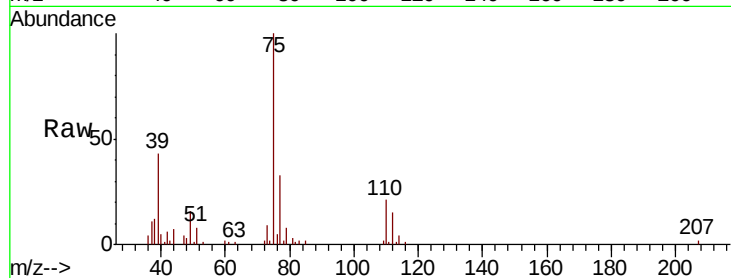


#39

cis-1,3-Dichloropropene
 Concen: 2.195 ug/L
 RT: 8.41 min Scan# 1202
 Delta R.T. -0.00 min
 Lab File: VX019215.D
 Acq: 02 Nov 2020 16:41

Instrument :
 MSVOA_X
 ClientSampleId :

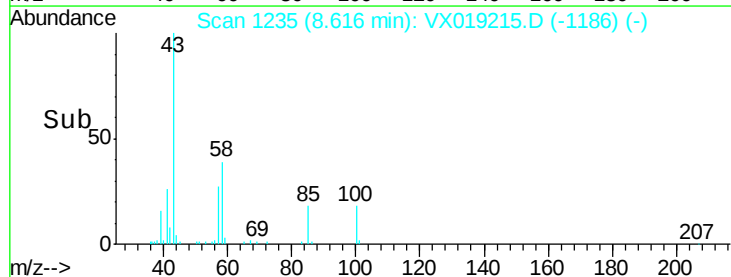
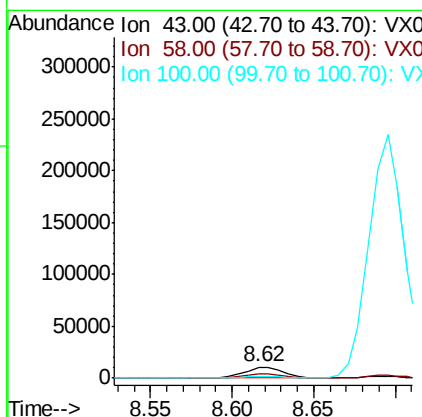
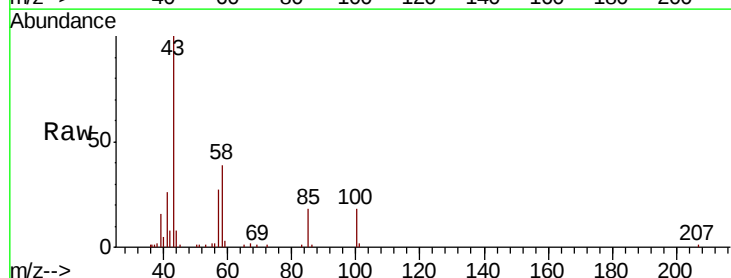
Tot Ion: 75 Resp: 10251
 Ion Ratio Lower Upper
 75 100
 77 32.7 22.5 41.7

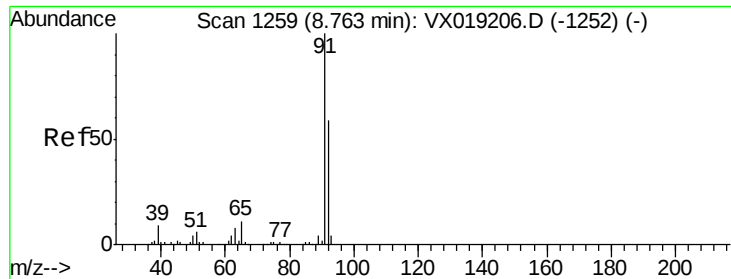


#40

4-Methyl-2-pentanone
 Concen: 4.972 ug/L
 RT: 8.62 min Scan# 1235
 Delta R.T. -0.00 min
 Lab File: VX019215.D
 Acq: 02 Nov 2020 16:41

Tgt Ion: 43 Resp: 17092
 Ion Ratio Lower Upper
 43 100
 58 42.2 34.1 51.1
 100 17.8 14.8 22.2





#42

Toluene

Concen: 2.785 ug/L

RT: 8.76 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VX019215.D

Acq: 02 Nov 2020 16:41

Instrument :

MSVOA_X

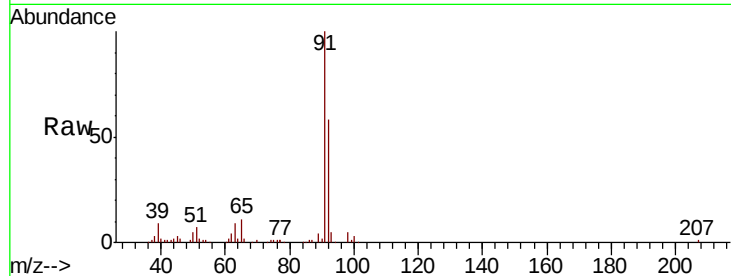
ClientSampleId :

Tot Ion: 91 Resp: 34286

Ion Ratio Lower Upper

91 100

92 57.9 41.2 76.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

8.76

25000

20000

15000

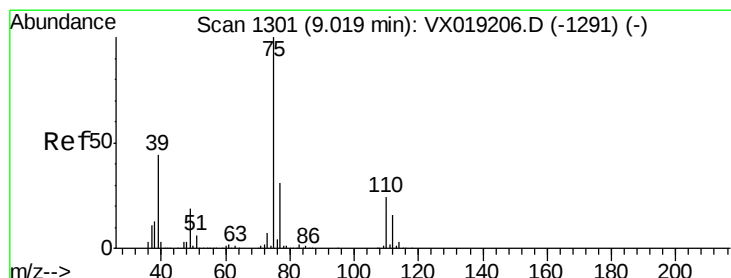
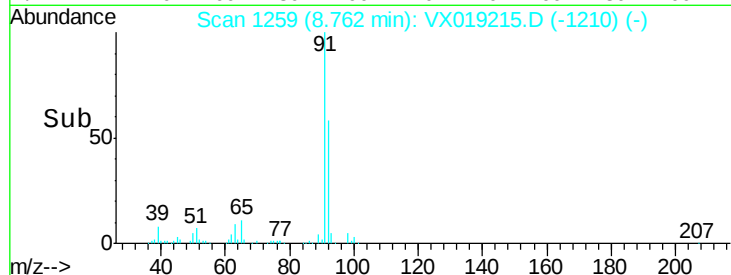
10000

5000

0

8.70 8.75 8.80 8.85

Time-->



#44

trans-1,3-Dichloropropene

Concen: 2.311 ug/L

RT: 9.02 min Scan# 1302

Delta R.T. 0.01 min

Lab File: VX019215.D

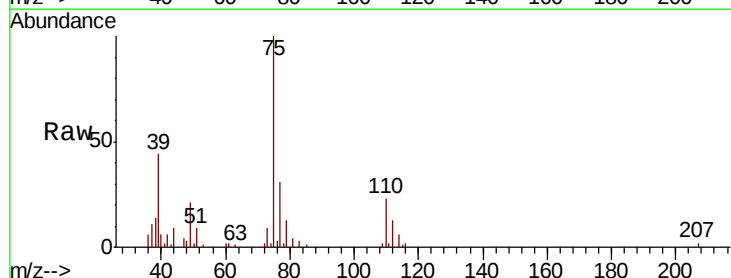
Acq: 02 Nov 2020 16:41

Tgt Ion: 75 Resp: 10514

Ion Ratio Lower Upper

75 100

77 30.6 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

9.02

8000

6000

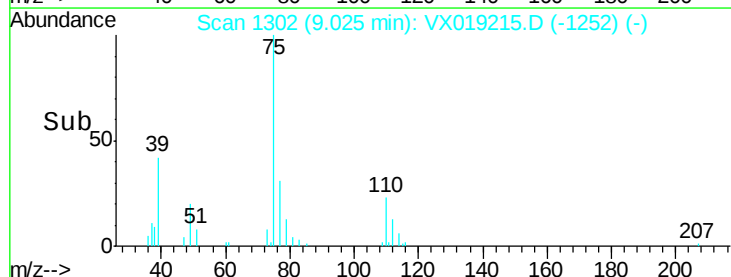
4000

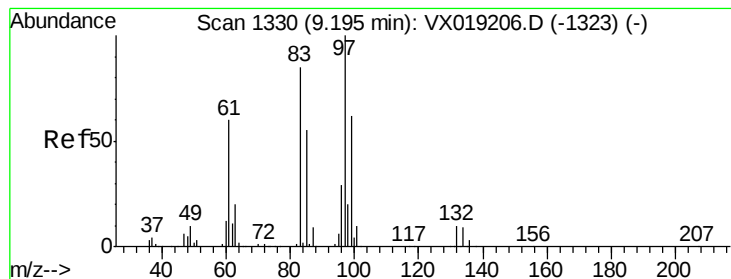
2000

0

9.00 9.05

Time-->





#45

1,1,2-Trichloroethane

Concen: 2.406 ug/L

RT: 9.20 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VX019215.D

Acq: 02 Nov 2020 16:41

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 97 Resp: 6644

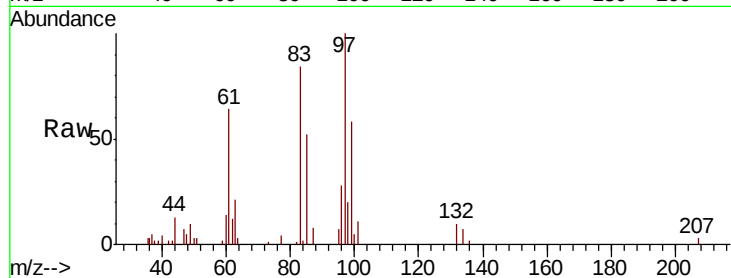
Ion Ratio Lower Upper

97 100

99 58.3 43.3 80.3

83 83.9 59.4 110.4

85 52.0 38.7 71.9

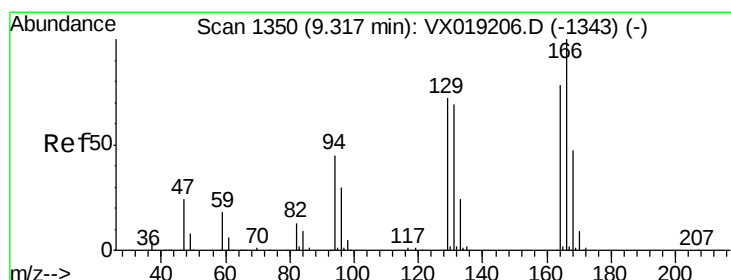
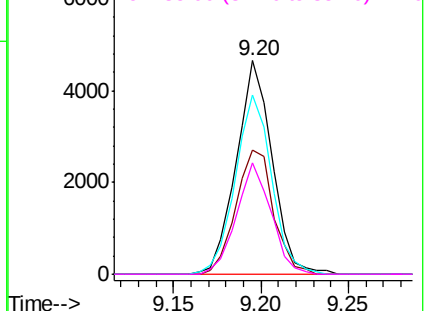
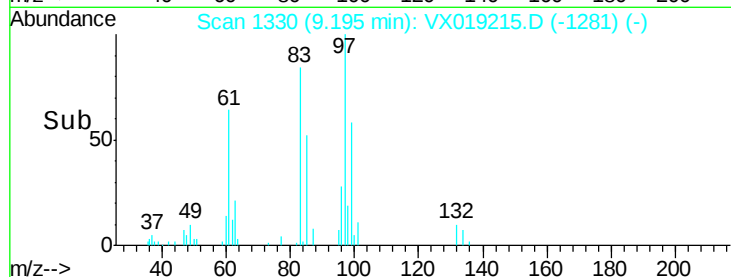


Abundance Ion 97.00 (96.70 to 97.70): VX0

Ion 99.00 (98.70 to 99.70): VX0

Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



#46

Tetrachloroethene

Concen: 1.974 ug/L

RT: 9.31 min Scan# 1349

Delta R.T. -0.01 min

Lab File: VX019215.D

Acq: 02 Nov 2020 16:41

Tgt Ion: 164 Resp: 4600

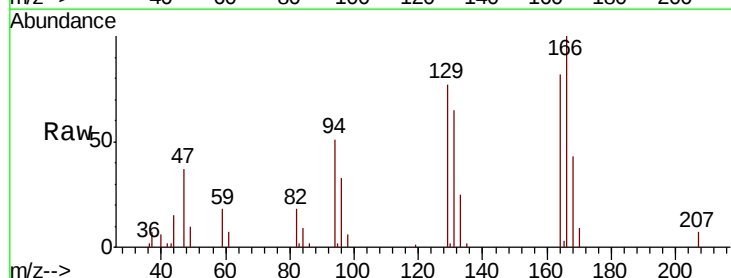
Ion Ratio Lower Upper

164 100

129 94.5 65.2 121.2

131 78.9 62.5 116.1

166 122.0 90.2 167.6

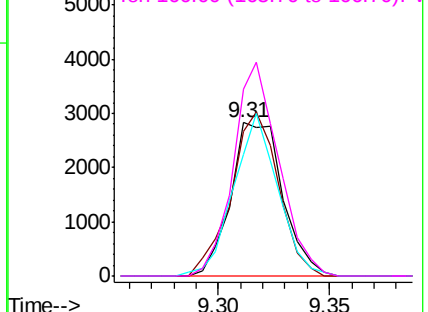
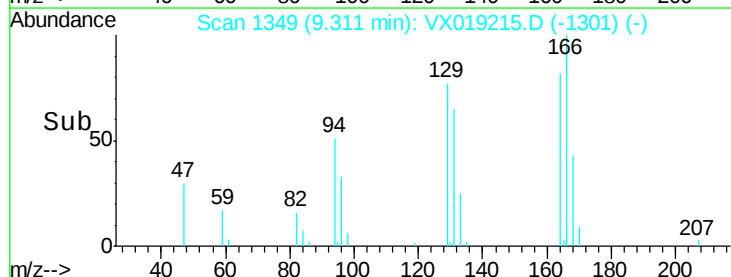


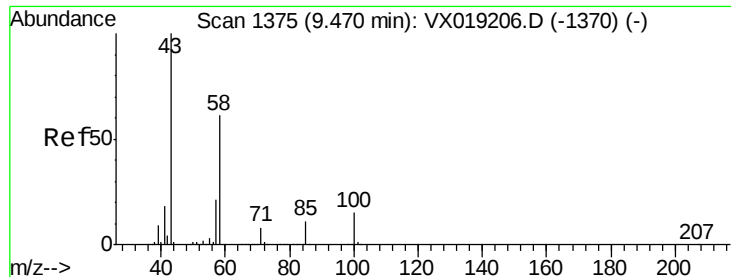
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

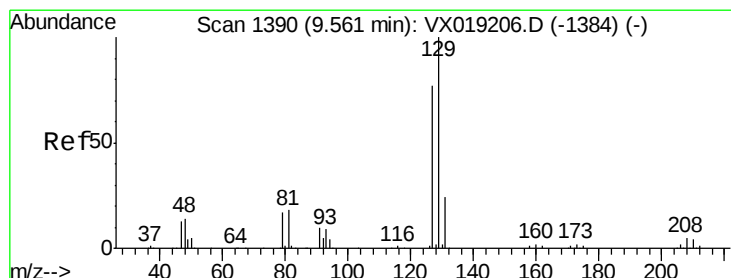
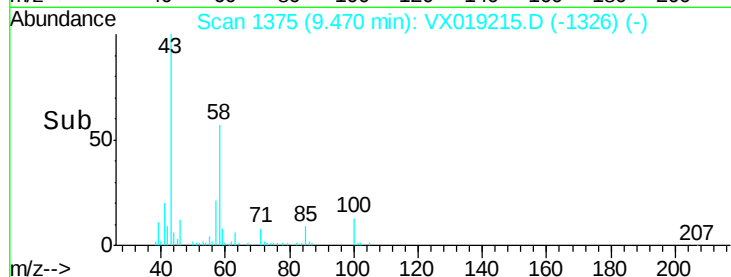
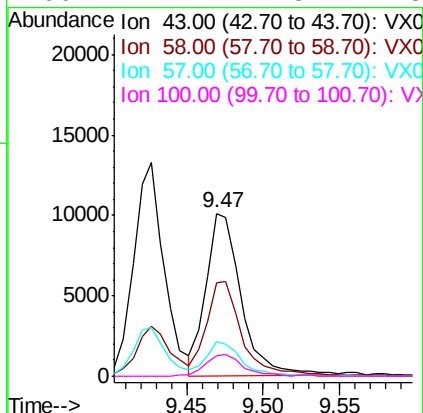
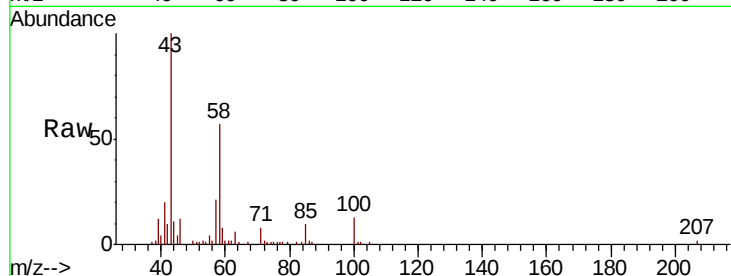




#48
2-Hexanone
Concen: 6.015 ug/L
RT: 9.47 min Scan# 1375
Delta R.T. -0.00 min
Lab File: VX019215.D
Acq: 02 Nov 2020 16:41

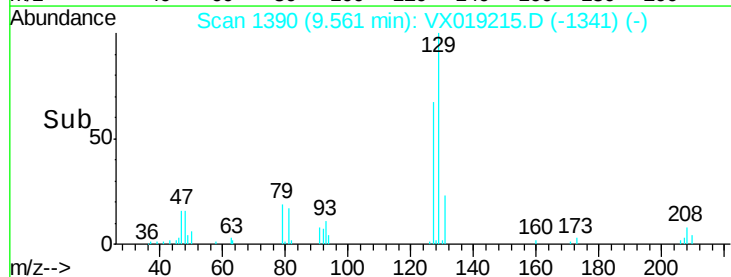
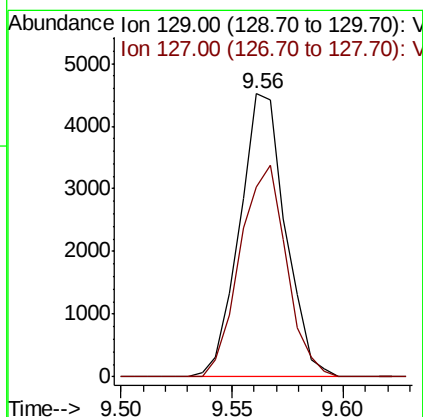
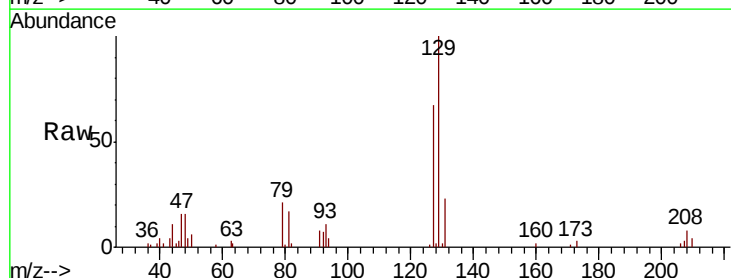
Instrument :
MSVOA_X
ClientSampleId :

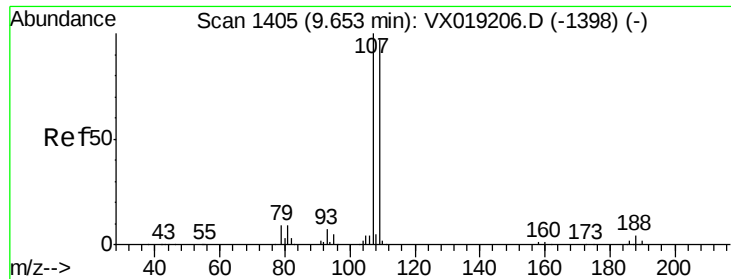
Tot Ion: 43 Resp: 16292
Ion Ratio Lower Upper
43 100
58 58.4 48.2 72.2
57 19.6 17.1 25.7
100 14.1 11.8 17.8



#49
Dibromochloromethane
Concen: 2.149 ug/L
RT: 9.56 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VX019215.D
Acq: 02 Nov 2020 16:41

Tgt Ion: 129 Resp: 6491
Ion Ratio Lower Upper
129 100
127 67.1 54.0 100.2

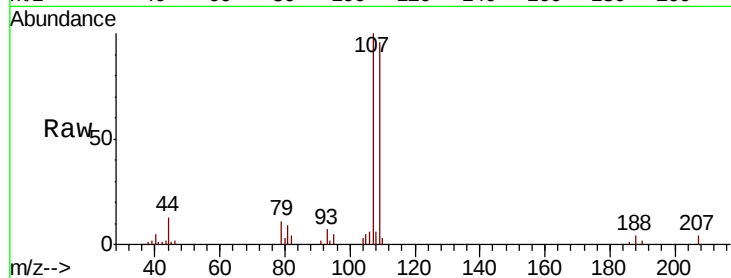




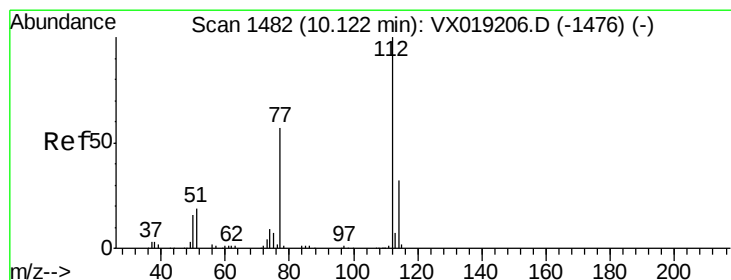
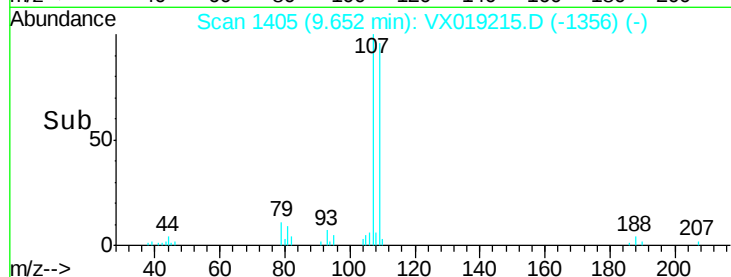
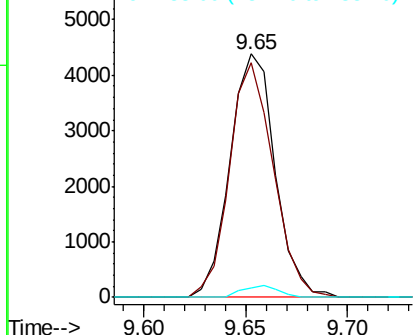
#50
1,2-Dibromoethane
Concen: 2.322 ug/L
RT: 9.65 min Scan# 1405
Delta R.T. -0.00 min
Lab File: VX019215.D
Acq: 02 Nov 2020 16:41

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.4	68.1	126.5
188	4.0	3.0	4.4

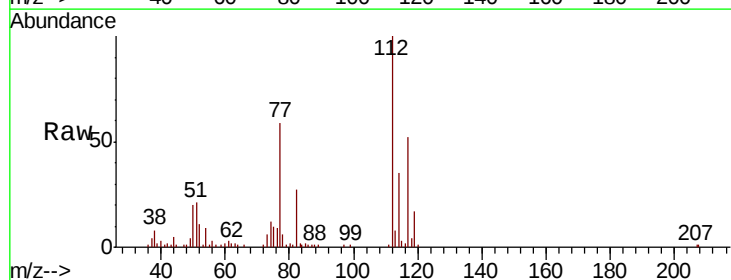


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

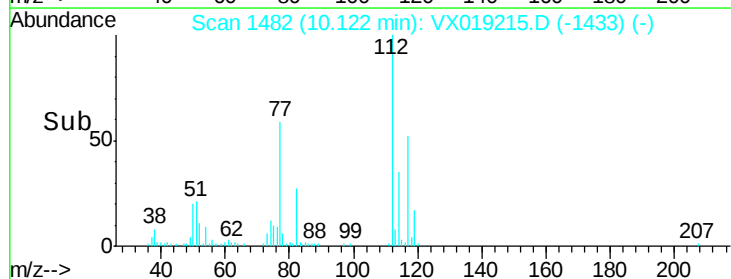
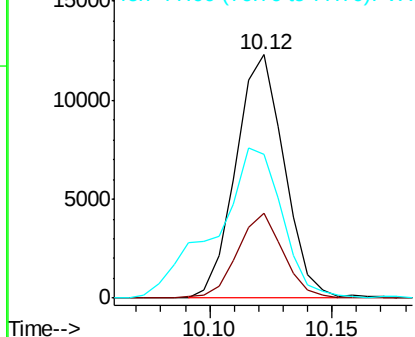


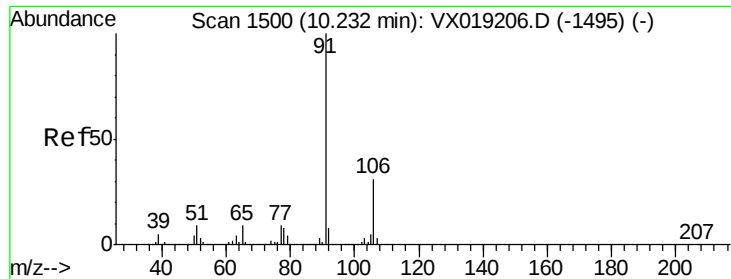
#51
Chlorobenzene
Concen: 2.213 ug/L
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX019215.D
Acq: 02 Nov 2020 16:41

Tgt Ion	Ratio	Lower	Upper
112	100		
114	34.9	22.2	41.2
77	59.3	46.2	69.4



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 2.127 ug/L

RT: 10.24 min Scan# 1501

Delta R.T. 0.01 min

Lab File: VX019215.D

Acq: 02 Nov 2020 16:41

Instrument :

MSVOA_X

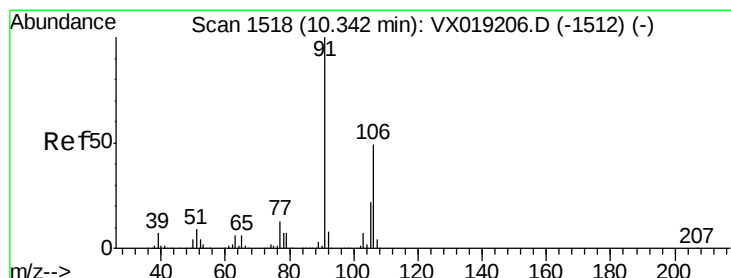
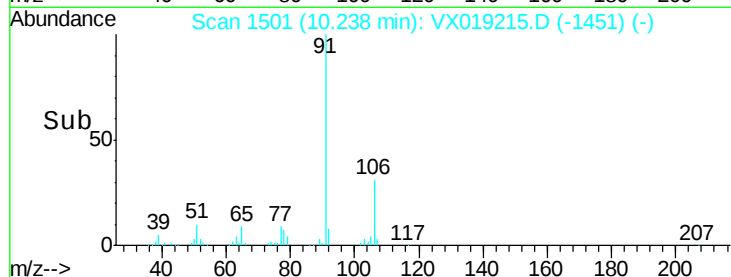
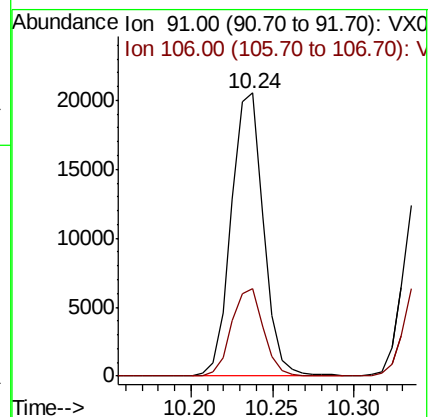
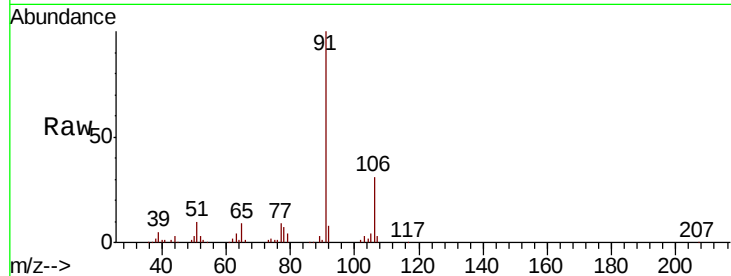
ClientSampled :

Tot Ion: 91 Resp: 28308

Ion Ratio Lower Upper

91 100

106 31.1 21.5 39.9



#53

m,p-Xylene

Concen: 2.089 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX019215.D

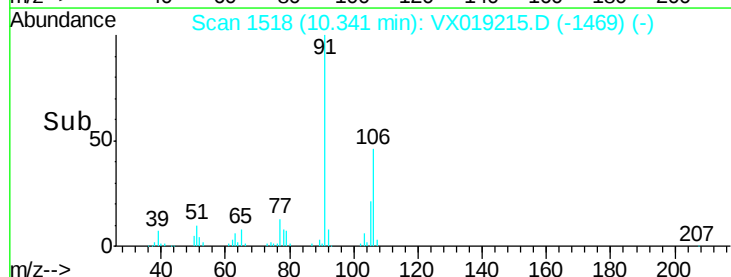
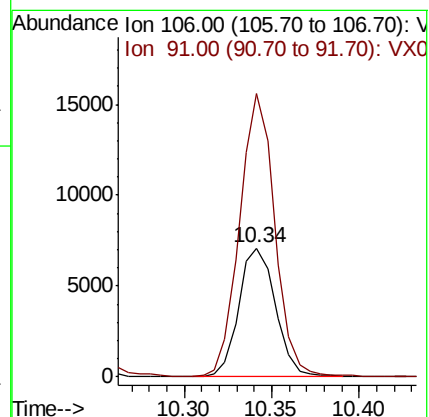
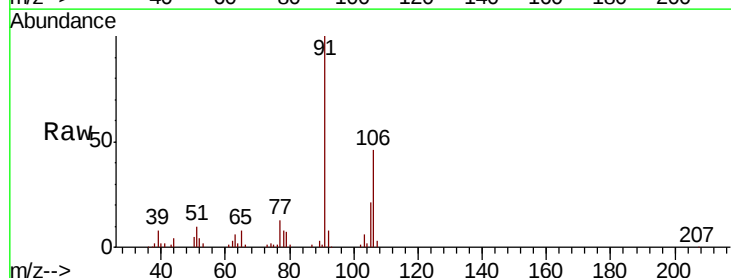
Acq: 02 Nov 2020 16:41

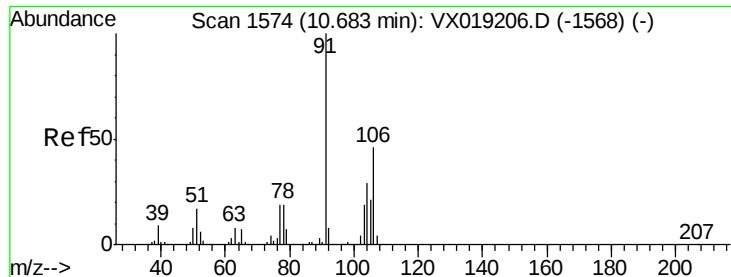
Tgt Ion: 106 Resp: 10445

Ion Ratio Lower Upper

106 100

91 219.4 144.2 267.8





#54

o-Xylene

Concen: 2.122 ug/L

RT: 10.68 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VX019215.D

Acq: 02 Nov 2020 16:41

Instrument :

MSVOA_X

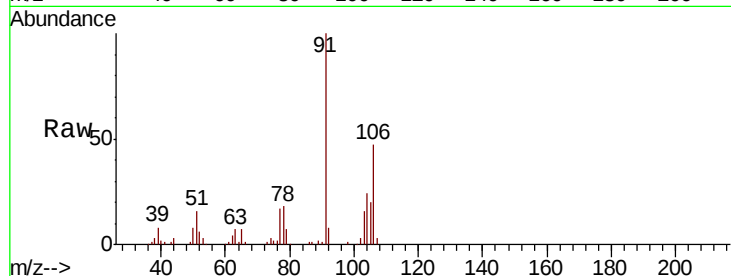
ClientSampled :

Tot Ion:106 Resp: 10272

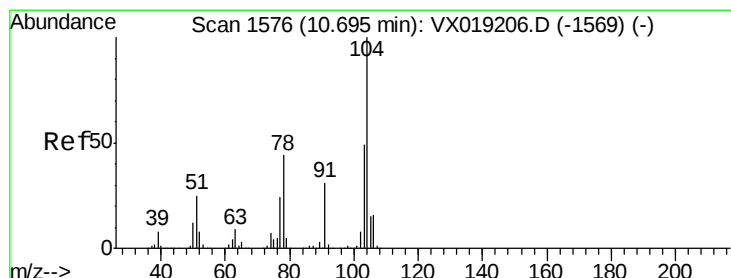
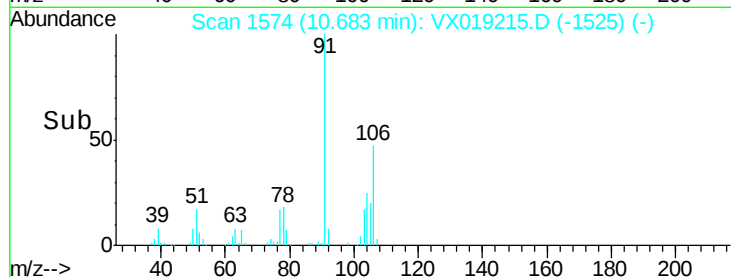
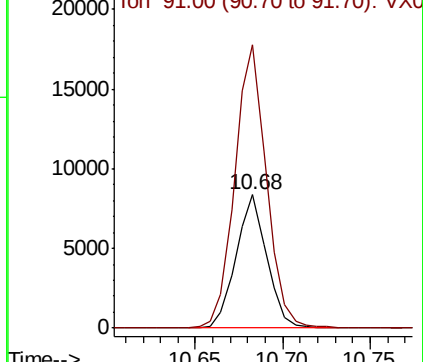
Ion Ratio Lower Upper

106 100

91 212.8 153.3 284.7



Abundance Ion 106.00 (105.70 to 106.70): V



#55

Styrene

Concen: 2.026 ug/L

RT: 10.69 min Scan# 1576

Delta R.T. -0.00 min

Lab File: VX019215.D

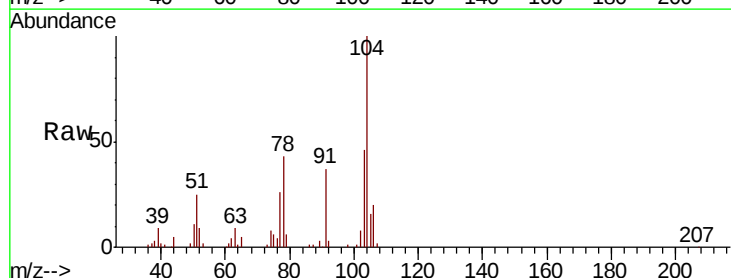
Acq: 02 Nov 2020 16:41

Tgt Ion:104 Resp: 16541

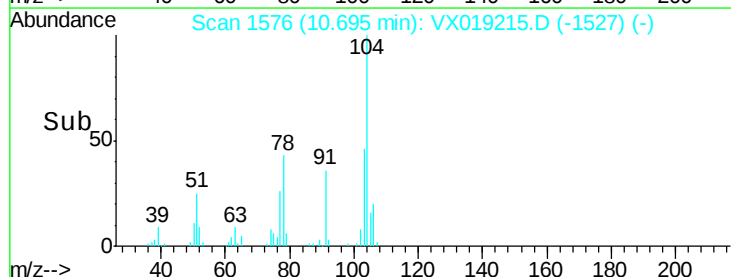
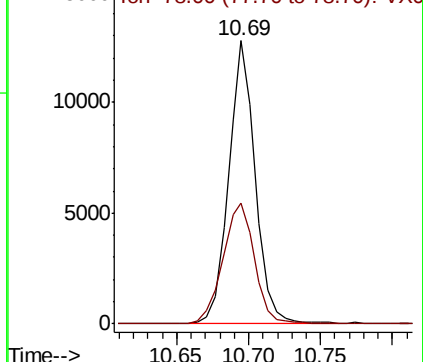
Ion Ratio Lower Upper

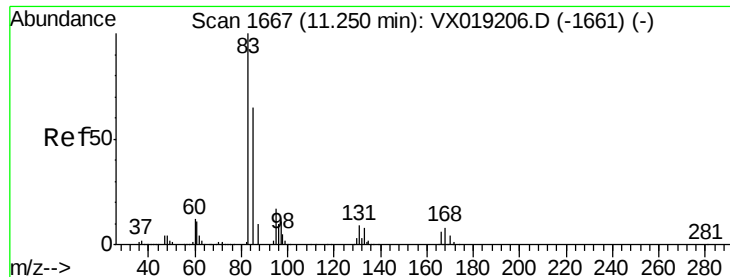
104 100

78 42.7 30.9 57.5



Abundance Ion 104.00 (103.70 to 104.70): V

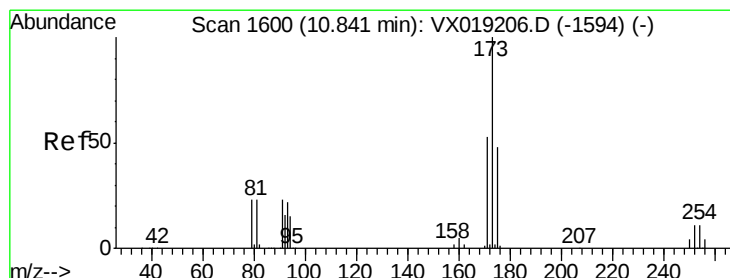
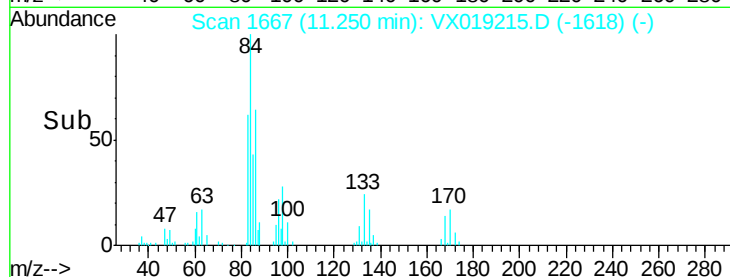
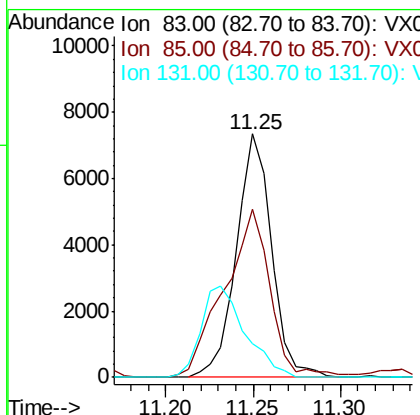
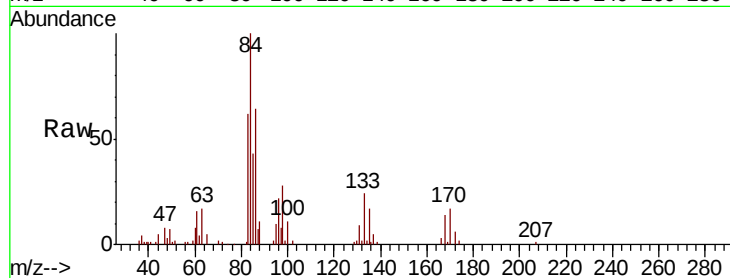




#57
 1,1,2,2-Tetrachloroethane
 Concen: 2.724 ug/L
 RT: 11.25 min Scan# 1667
 Delta R.T. -0.00 min
 Lab File: VX019215.D
 Acq: 02 Nov 2020 16:41

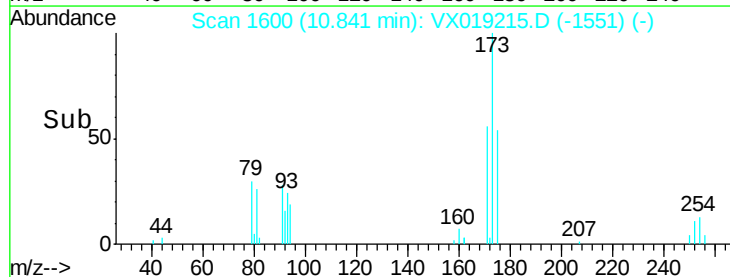
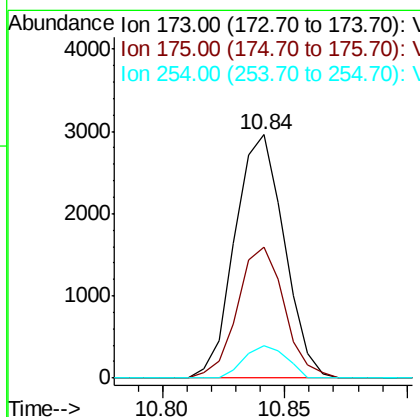
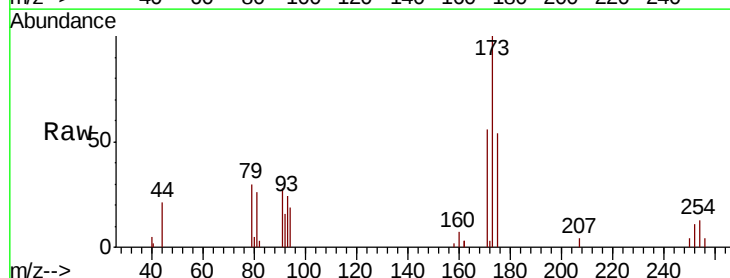
Instrument :
 MSVOA_X
 ClientSampleId :

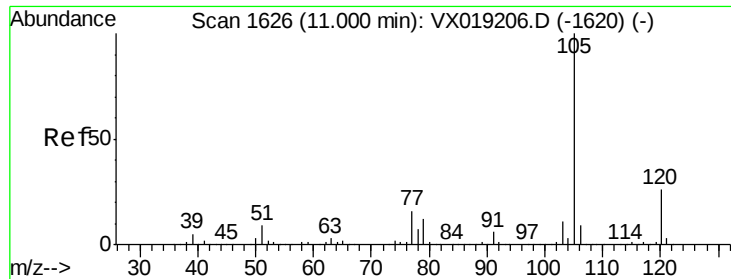
Tot Ion: 83 Resp: 10309
 Ion Ratio Lower Upper
 83 100
 85 68.9 45.9 85.3
 131 13.8 7.7 11.5#



#59
 Bromoform
 Concen: 2.068 ug/L
 RT: 10.84 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VX019215.D
 Acq: 02 Nov 2020 16:41

Tgt Ion: 173 Resp: 4165
 Ion Ratio Lower Upper
 173 100
 175 51.2 39.7 59.5
 254 11.5 8.2 12.4





#60

Isopropylbenzene

Concen: 1.987 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX019215.D

Acq: 02 Nov 2020 16:41

Instrument :

MSVOA_X

ClientSampled :

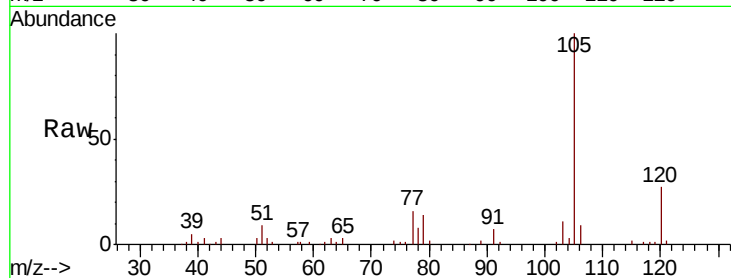
Tot Ion:105 Resp: 25077

Ion Ratio Lower Upper

105 100

120 26.3 21.1 31.7

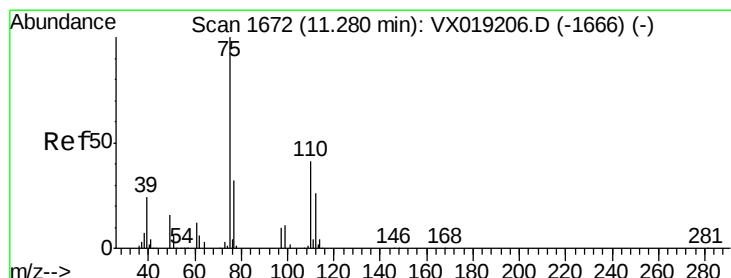
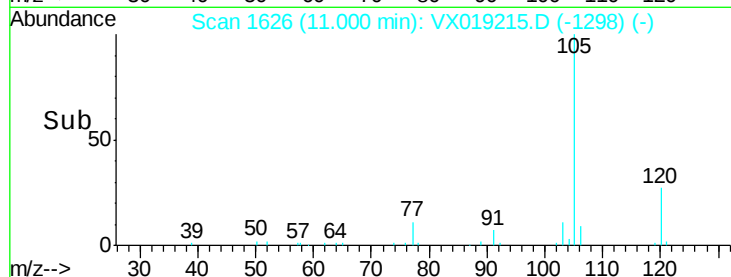
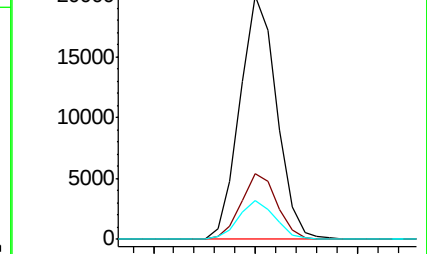
77 16.0 12.6 19.0



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: 2.619 ug/L

RT: 11.28 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VX019215.D

Acq: 02 Nov 2020 16:41

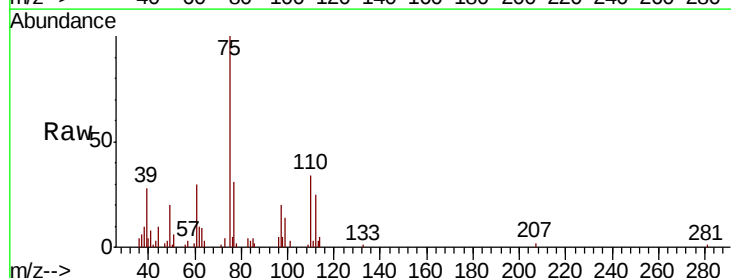
Tgt Ion: 75 Resp: 8294

Ion Ratio Lower Upper

75 100

77 32.4 25.4 38.0

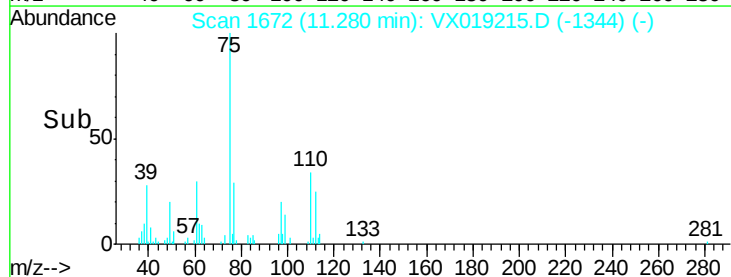
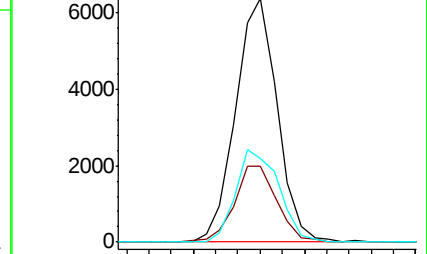
110 39.2 32.2 48.2

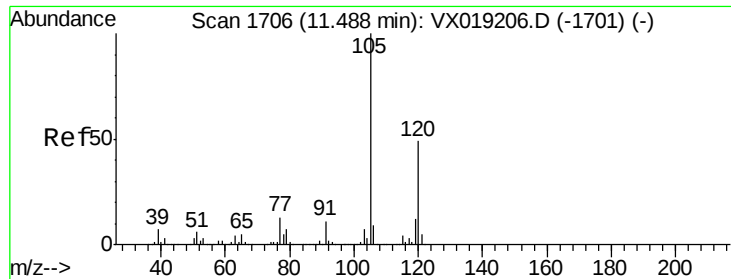


Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 110.00 (109.70 to 110.70): V





#62

1,3,5-Trimethylbenzene

Concen: 1.959 ug/L

RT: 11.49 min Scan# 1706

Delta R.T. -0.00 min

Lab File: VX019215.D

Acq: 02 Nov 2020 16:41

Instrument :

MSVOA_X

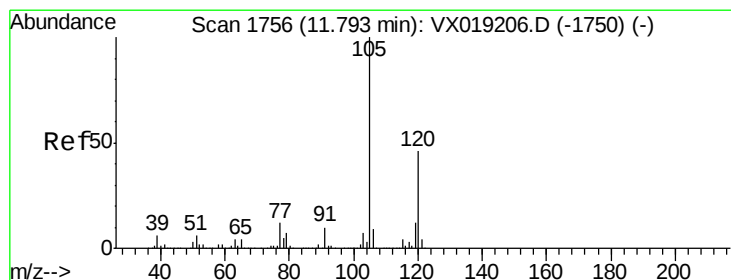
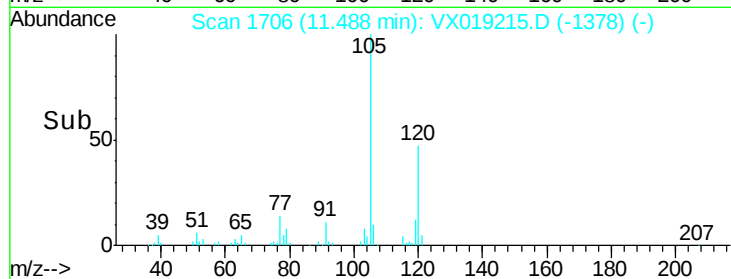
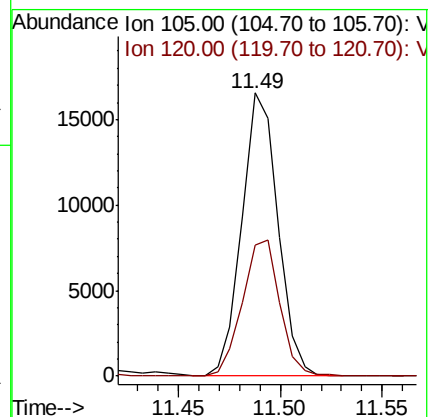
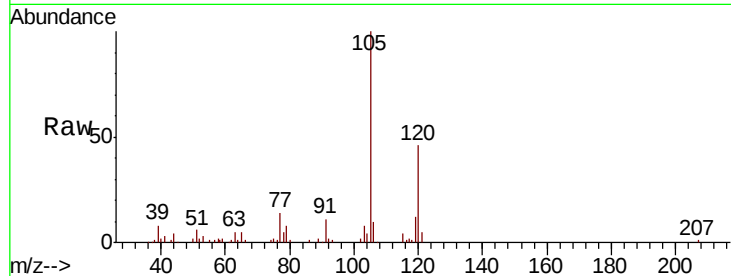
ClientSampled :

Tot Ion:105 Resp: 20339

Ion Ratio Lower Upper

105 100

120 50.0 38.8 58.2



#63

1,2,4-Trimethylbenzene

Concen: 2.124 ug/L

RT: 11.79 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VX019215.D

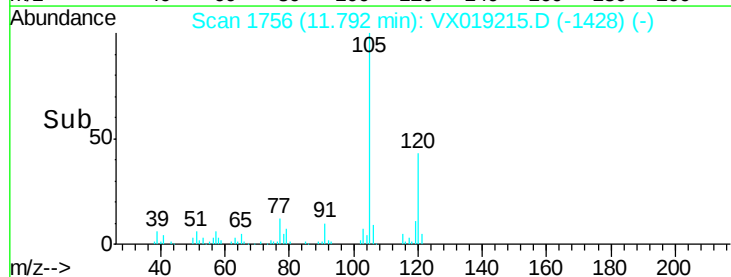
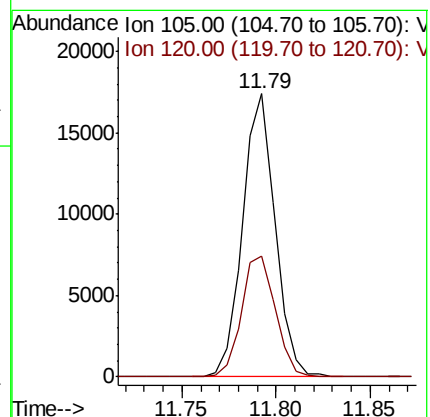
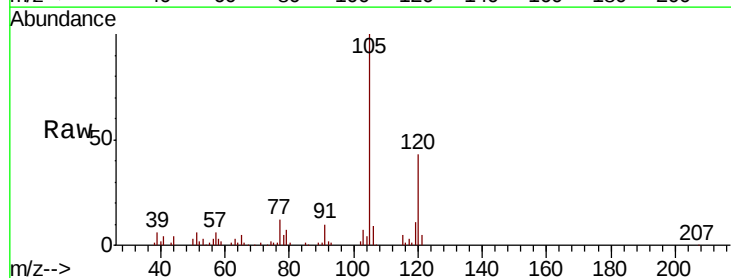
Acq: 02 Nov 2020 16:41

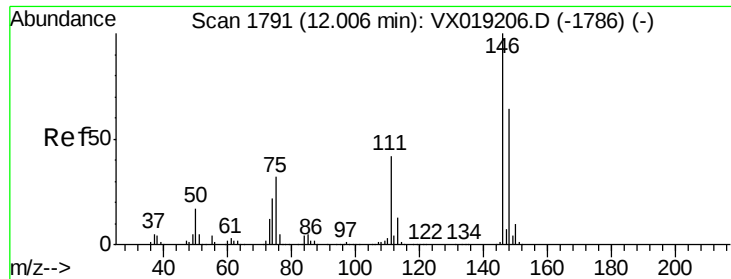
Tgt Ion:105 Resp: 20854

Ion Ratio Lower Upper

105 100

120 44.5 36.0 54.0





#64

1,3-Dichlorobenzene

Concen: 2.159 ug/L

RT: 12.01 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX019215.D

Acq: 02 Nov 2020 16:41

Instrument :

MSVOA_X

ClientSampled :

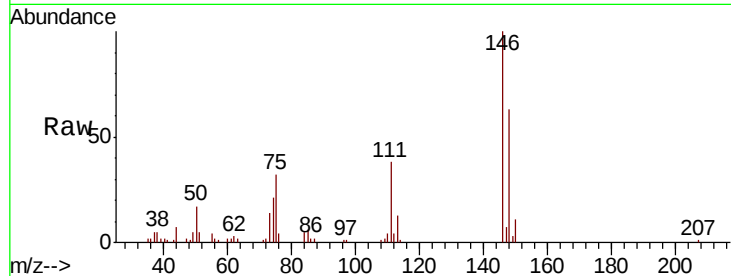
Tot Ion:146 Resp: 11763

Ion Ratio Lower Upper

146 100

111 38.5 29.7 55.1

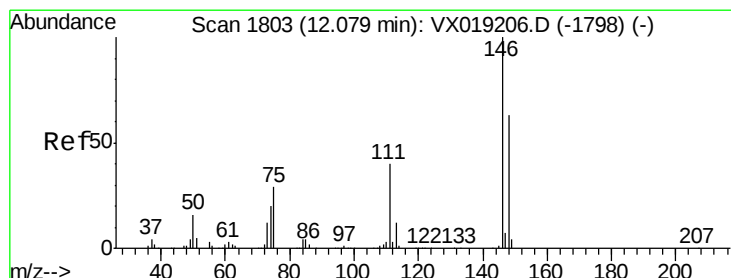
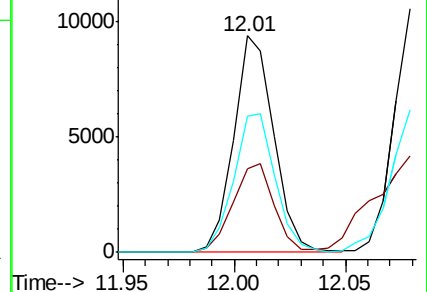
148 63.1 44.5 82.7



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: 2.308 ug/L

RT: 12.08 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VX019215.D

Acq: 02 Nov 2020 16:41

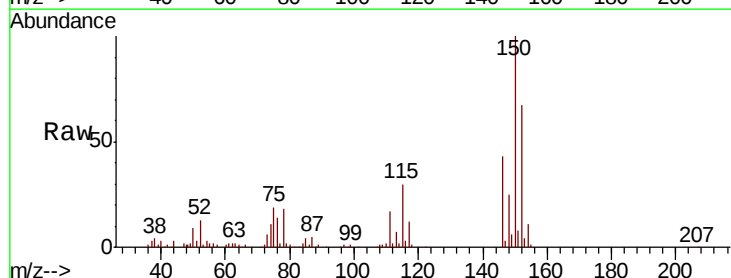
Tgt Ion:146 Resp: 12756

Ion Ratio Lower Upper

146 100

111 39.7 28.1 52.3

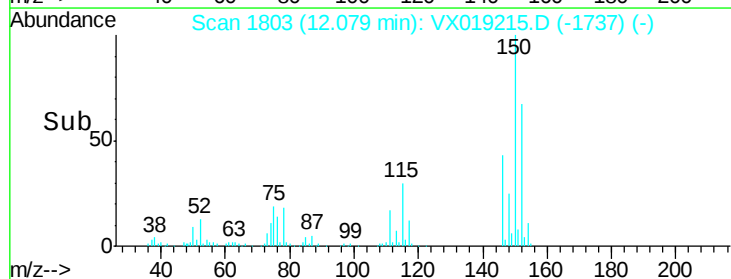
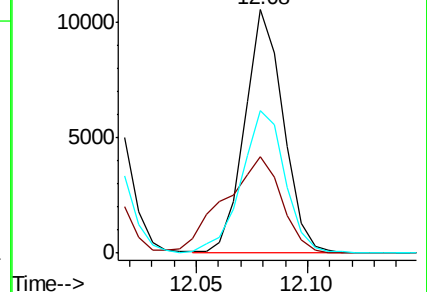
148 58.3 43.8 81.4

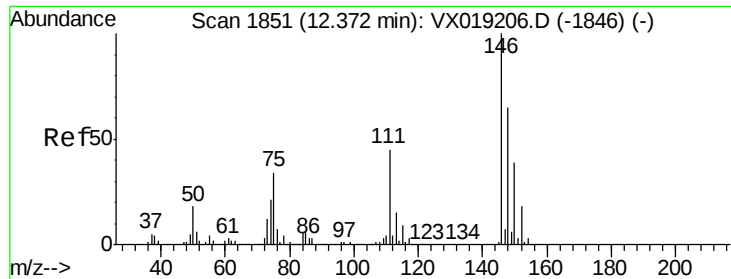


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#67

1,2-Dichlorobenzene

Concen: 2.326 ug/L

RT: 12.38 min Scan# 1852

Delta R.T. 0.01 min

Lab File: VX019215.D

Acq: 02 Nov 2020 16:41

Instrument :

MSVOA_X

ClientSampleId :

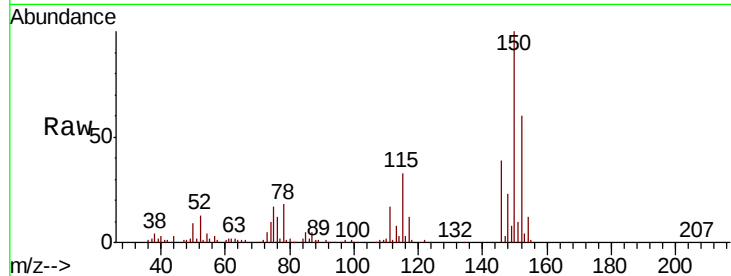
Tot Ion:146 Resp: 12271

Ion Ratio Lower Upper

146 100

111 43.1 35.9 53.9

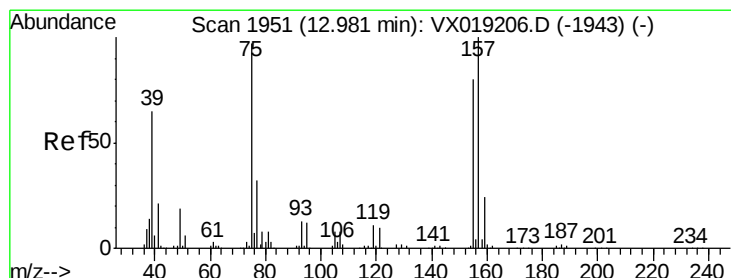
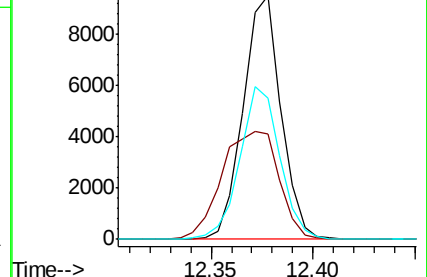
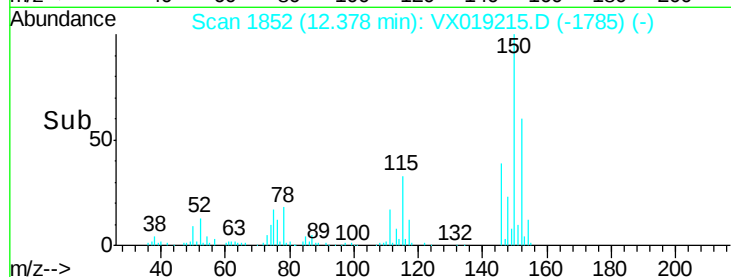
148 57.9 52.2 78.4



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: 2.073 ug/L

RT: 12.98 min Scan# 1951

Delta R.T. -0.00 min

Lab File: VX019215.D

Acq: 02 Nov 2020 16:41

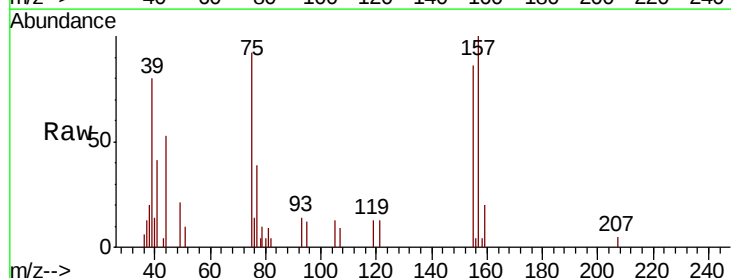
Tgt Ion: 75 Resp: 1788

Ion Ratio Lower Upper

75 100

155 93.5 65.8 98.8

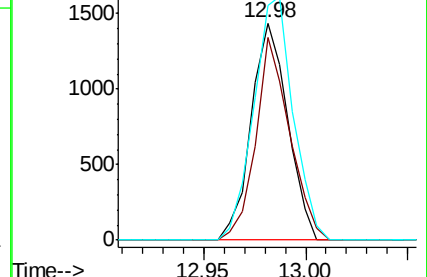
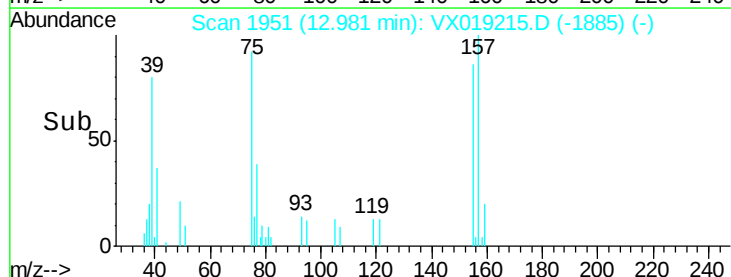
157 108.1 82.6 123.8

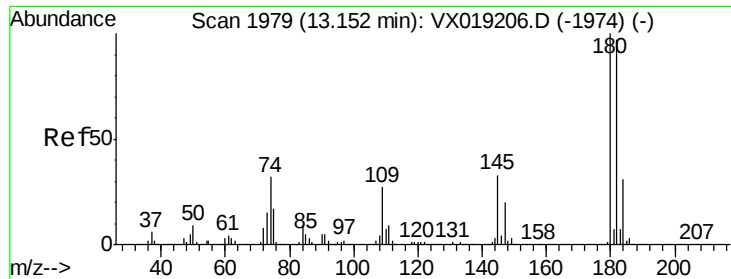


Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

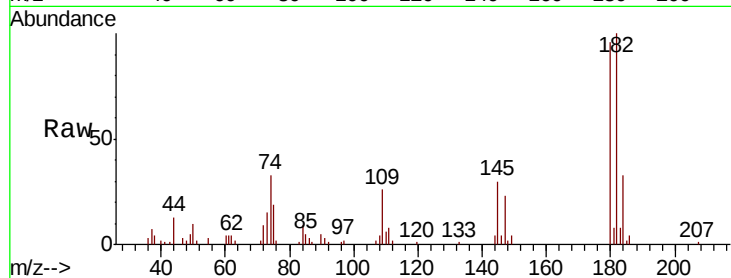




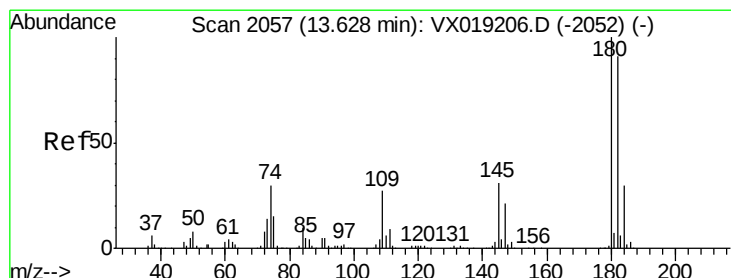
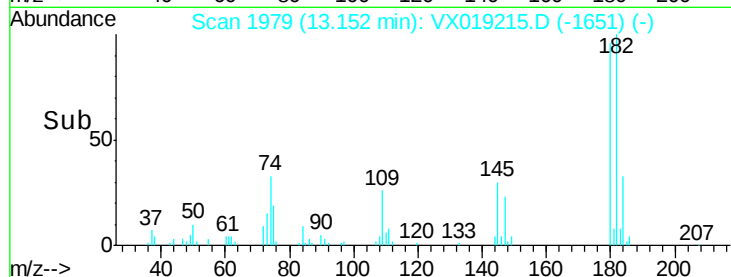
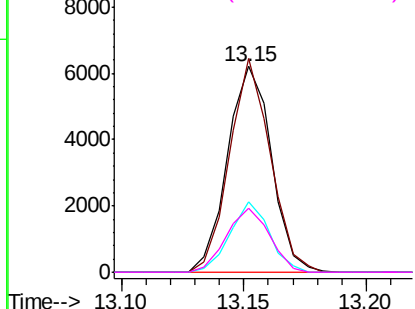
#69
 1,3,5-Trichlorobenzene
 Concen: 2.026 ug/L
 RT: 13.15 min Scan# 1979
 Delta R.T. -0.00 min
 Lab File: VX019215.D
 Acq: 02 Nov 2020 16:41

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:	180	Resp:	7730
Ion	Ratio	Lower	Upper
180	100		
182	96.6	78.8	118.2
184	30.8	25.2	37.8
145	30.6	25.8	38.6

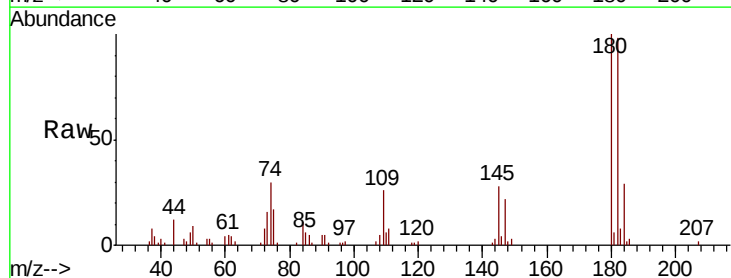


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

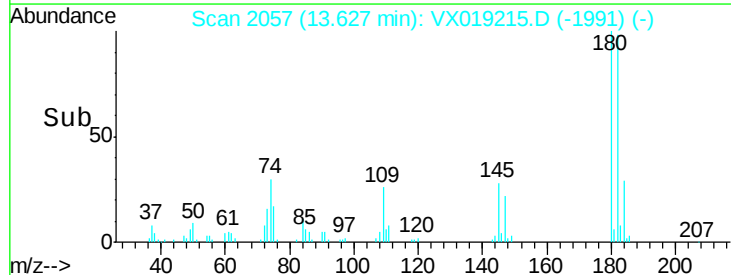
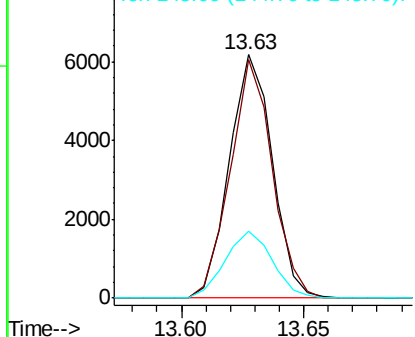


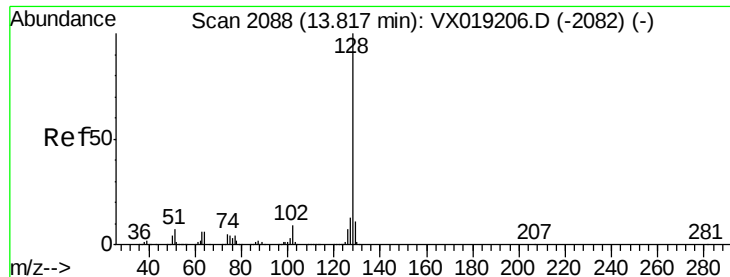
#70
 1,2,4-trichlorobenzene
 Concen: 2.154 ug/L
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX019215.D
 Acq: 02 Nov 2020 16:41

Tgt Ion:	180	Resp:	7576
Ion	Ratio	Lower	Upper
180	100		
182	95.3	74.6	111.8
145	30.0	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: 2.064 ug/L

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX019215.D

Acq: 02 Nov 2020 16:41

Instrument :

MSVOA_X

ClientSampled :

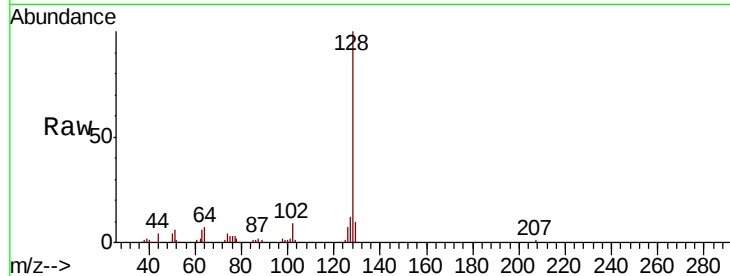
Tot Ion:128 Resp: 23469

Ion Ratio Lower Upper

128 100

127 12.9 10.1 15.1

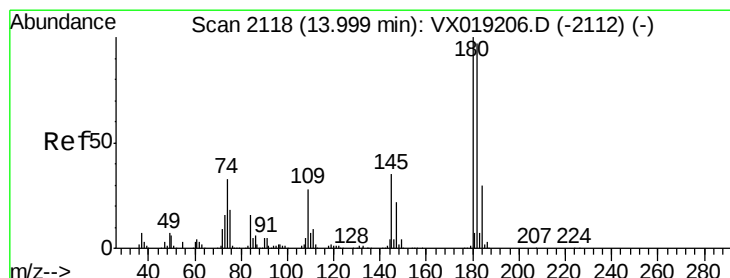
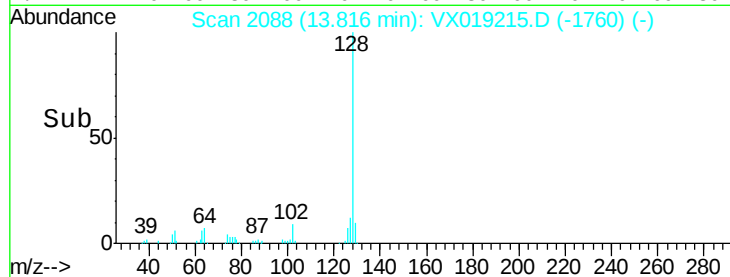
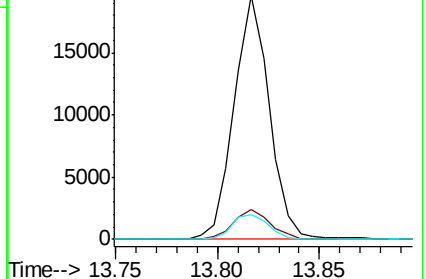
129 10.6 8.5 12.7



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: 2.119 ug/L

RT: 14.01 min Scan# 2119

Delta R.T. 0.01 min

Lab File: VX019215.D

Acq: 02 Nov 2020 16:41

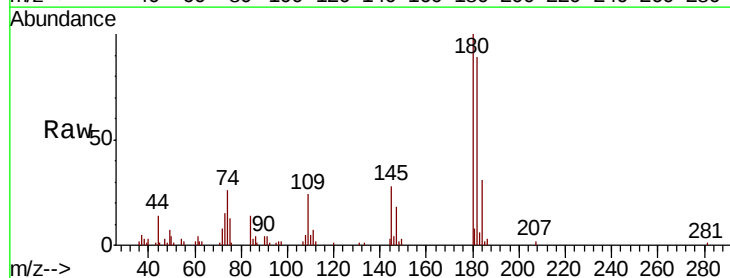
Tgt Ion:180 Resp: 7293

Ion Ratio Lower Upper

180 100

182 92.0 75.3 112.9

145 33.4 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

