

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110120\
 Data File : VX019197.D
 Acq On : 30 Oct 2020 10:01
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005311

Quant Time: Oct 30 15:02:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SFAMXTR102920WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Oct 30 08:55:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.82	114	203553	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.09	117	186037	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.06	152	89207	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	62364	4.74	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.80%
7) Chloroethane-d5	1.70	69	52514	4.78	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.60%
11) 1,1-Dichloroethene-d2	2.34	63	125955	4.90	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	98.00%
20) 2-Butanone-d5	4.56	46	149078	51.80	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.60%
24) Chloroform-d	5.13	84	122332	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.60%
26) 1,2-Dichloroethane-d4	6.03	65	65764	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.20%
32) Benzene-d6	6.04	84	241222	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.20%
36) 1,2-Dichloropropane-d6	7.37	67	69719	4.86	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.20%
41) Toluene-d8	8.70	98	232576	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.20%
43) trans-1,3-Dichloropropene-	8.99	79	30638	4.95	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.00%
46) 2-Hexanone-d5	9.43	63	138460	51.14	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.28%
56) 1,1,2,2-Tetrachloroethane-	11.23	84	54137	4.91	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.20%
66) 1,2-Dichlorobenzene-d4	12.36	152	80948	4.89	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	83627	4.969	ug/L 100
3) Chloromethane	1.31	50	74404	5.123	ug/L 98
5) Vinyl chloride	1.39	62	83277	5.092	ug/L 95
6) Bromomethane	1.64	94	50246	4.768	ug/L 94
8) Chloroethane	1.72	64	49781	5.021	ug/L 98
9) Trichlorofluoromethane	1.92	101	120296	5.094	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.36	101	69351	5.168	ug/L 99
12) 1,1-Dichloroethene	2.36	96	66321	5.081	ug/L 90
13) Acetone	2.47	43	83832	51.089	ug/L 100
14) Carbon disulfide	2.55	76	202482	5.001	ug/L 100
15) Methyl Acetate	2.76	43	22872	5.224	ug/L 98
16) Methylene chloride	2.83	84	67512	4.337	ug/L 93
17) Methyl tert-butyl Ether	3.17	73	157641	5.044	ug/L 99
18) trans-1,2-Dichloroethene	3.14	96	68540	4.991	ug/L 99
19) 1,1-Dichloroethane	3.67	63	119354	5.077	ug/L 99
21) 2-Butanone	4.67	43	143605	49.831	ug/L 100
22) cis-1,2-Dichloroethene	4.56	96	72900	4.984	ug/L 95

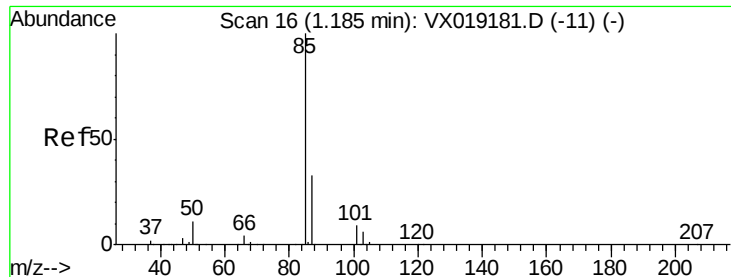
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110120\
 Data File : VX019197.D
 Acq On : 30 Oct 2020 10:01
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
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Quant Time: Oct 30 15:02:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SFAMXTR102920WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Oct 30 08:55:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.98	128	30773	5.060	ug/L	97
25) Chloroform	5.17	83	124810	5.106	ug/L	96
27) 1,2-Dichloroethane	6.16	62	78446	5.129	ug/L	97
29) 1,1,1-Trichloroethane	5.46	97	114105	4.968	ug/L	100
30) Cyclohexane	5.54	56	112806	4.927	ug/L	99
31) Carbon tetrachloride	5.74	117	98544	5.036	ug/L	100
33) Benzene	6.11	78	274746	4.958	ug/L	100
34) Trichloroethene	7.18	95	73827	4.872	ug/L	94
35) Methylcyclohexane	7.43	83	122864	5.013	ug/L	99
37) 1,2-Dichloropropane	7.48	63	66299	5.075	ug/L	100
38) Bromodichloromethane	7.87	83	84842	4.989	ug/L	99
39) cis-1,3-Dichloropropene	8.41	75	101197	5.044	ug/L	100
40) 4-Methyl-2-pentanone	8.62	43	360448	51.677	ug/L	100
42) Toluene	8.76	91	298327	4.984	ug/L	98
44) trans-1,3-Dichloropropene	9.02	75	87031	5.180	ug/L	100
45) 1,1,2-Trichloroethane	9.20	97	46751	4.905	ug/L	98
47) Tetrachloroethene	9.32	164	57019	4.929	ug/L	96
48) 2-Hexanone	9.47	43	255955	52.462	ug/L	99
49) Dibromochloromethane	9.56	129	56421	5.113	ug/L	96
50) 1,2-Dibromoethane	9.65	107	44522	5.036	ug/L	93
51) Chlorobenzene	10.12	112	188111	4.964	ug/L	99
52) Ethylbenzene	10.23	91	332338	4.963	ug/L	99
53) m,p-xylene	10.34	106	127574	4.965	ug/L	98
54) o-xylene	10.68	106	123362	5.012	ug/L	98
55) Styrene	10.70	104	204470	5.084	ug/L	98
57) 1,1,2,2-Tetrachloroethane	11.25	83	54673	5.032	ug/L	99
59) Bromoform	10.84	173	29779	5.085	ug/L	99
60) Isopropylbenzene	11.00	105	332966	5.081	ug/L	99
61) 1,2,3-Trichloropropane	11.28	75	41439	5.177	ug/L	100
62) 1,3,5-Trimethylbenzene	11.49	105	281731	5.135	ug/L	100
63) 1,2,4-Trimethylbenzene	11.79	105	286973	5.159	ug/L	100
64) 1,3-Dichlorobenzene	12.01	146	144816	4.975	ug/L	97
65) 1,4-Dichlorobenzene	12.08	146	146445	5.038	ug/L	98
67) 1,2-Dichlorobenzene	12.37	146	135738	5.073	ug/L	98
68) 1,2-Dibromo-3-chloropropan	12.98	75	9008	4.921	ug/L	97
69) 1,3,5-Trichlorobenzene	13.15	180	112378	5.259	ug/L	98
70) 1,2,4-trichlorobenzene	13.63	180	94629	5.074	ug/L	99
71) Naphthalene	13.82	128	170483	5.083	ug/L	100
72) 1,2,3-Trichlorobenzene	14.01	180	82600	5.020	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.969 ug/L

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX019197.D

Acq: 30 Oct 2020 10:01

Instrument :

MSVOA_X

ClientSampled :

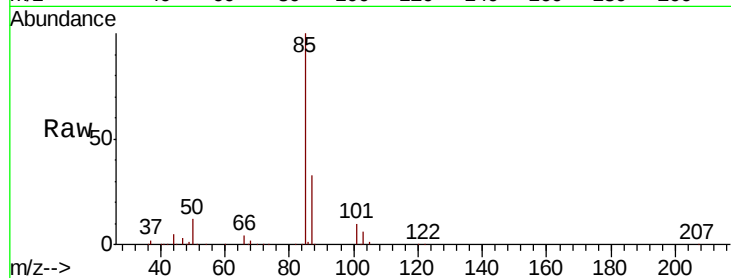
VSTD005311

Tot Ion: 85 Resp: 83627

Ion Ratio Lower Upper

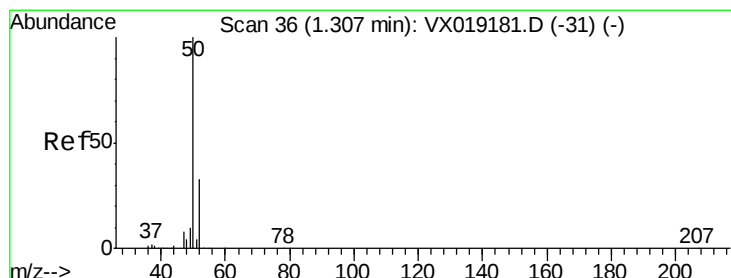
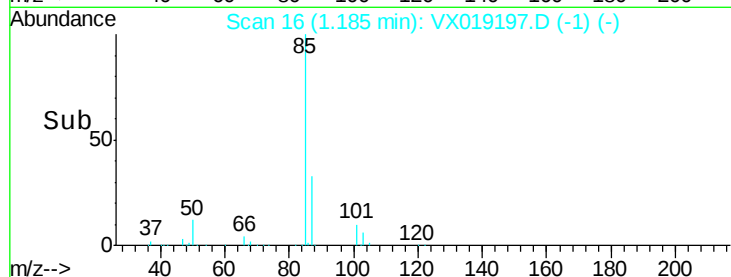
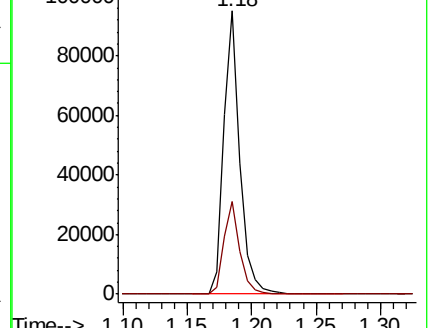
85 100

87 32.7 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#3

Chloromethane

Concen: 5.123 ug/L

RT: 1.31 min Scan# 37

Delta R.T. 0.01 min

Lab File: VX019197.D

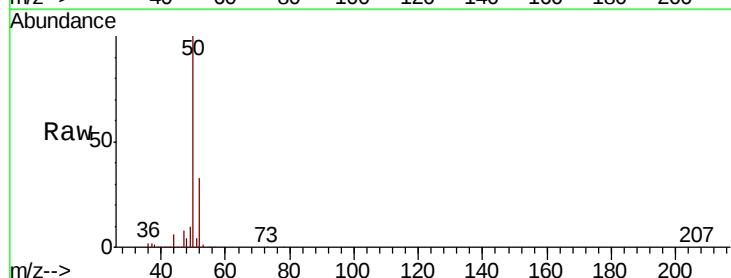
Acq: 30 Oct 2020 10:01

Tgt Ion: 50 Resp: 74404

Ion Ratio Lower Upper

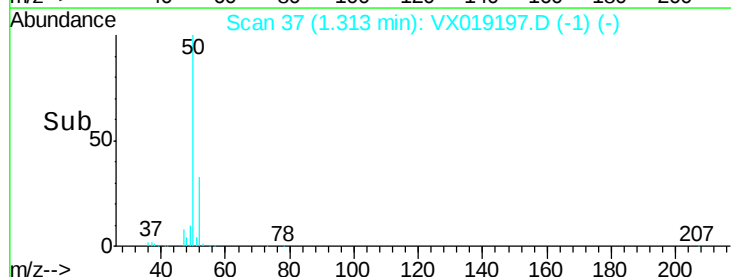
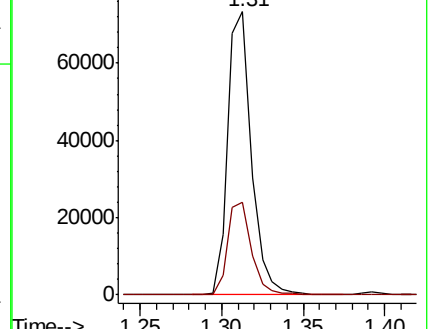
50 100

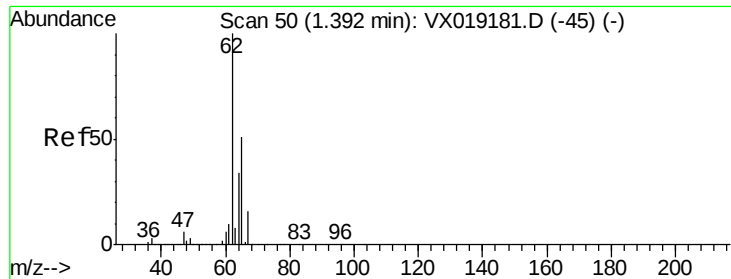
52 32.6 23.4 43.6



Abundance Ion 50.05 (49.75 to 50.75): VX0

Ion 52.05 (51.75 to 52.75): VX0





#5

Vinyl chloride

Concen: 5.092 ug/L

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX019197.D

Acq: 30 Oct 2020 10:01

Instrument :

MSVOA_X

ClientSampleId :

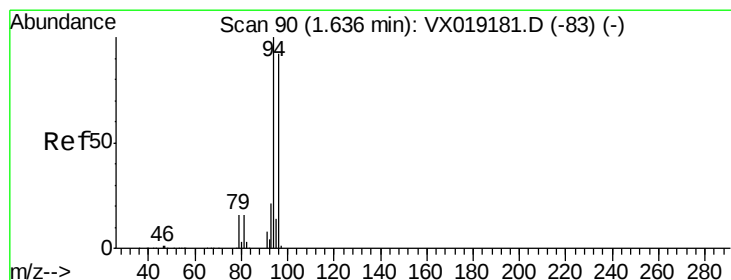
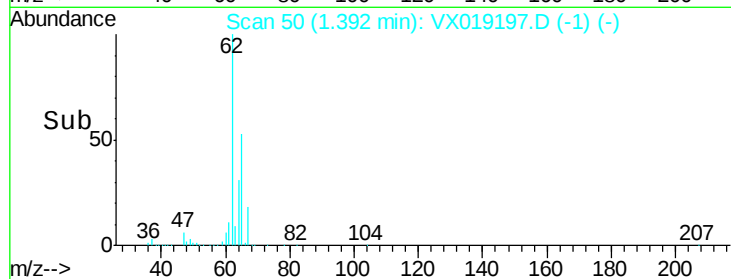
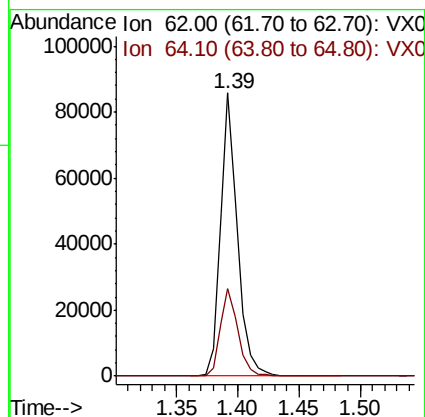
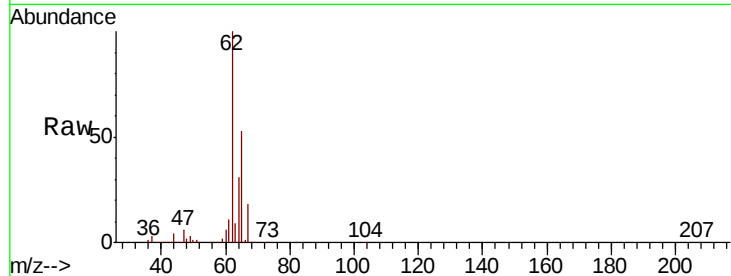
VSTD005311

Tot Ion: 62 Resp: 83277

Ion Ratio Lower Upper

62 100

64 30.7 23.5 43.7



#6

Bromomethane

Concen: 4.768 ug/L

RT: 1.64 min Scan# 90

Delta R.T. 0.00 min

Lab File: VX019197.D

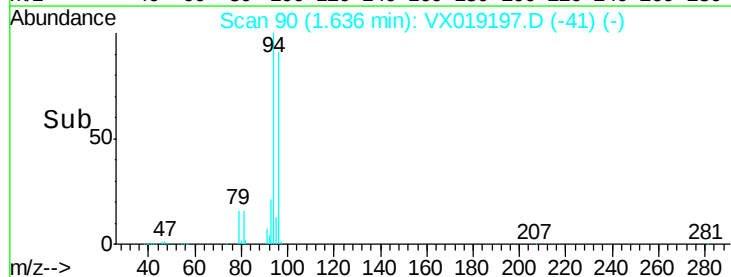
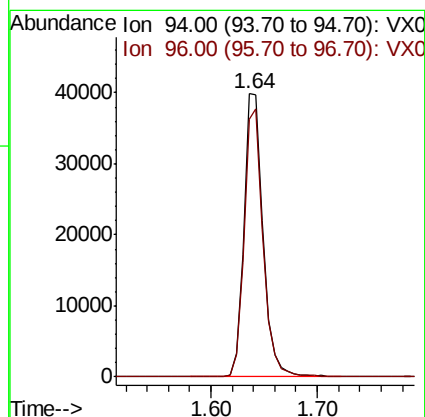
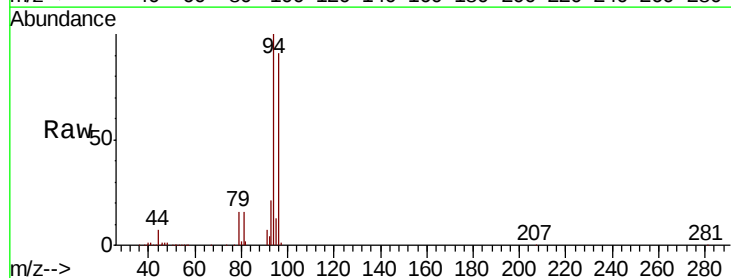
Acq: 30 Oct 2020 10:01

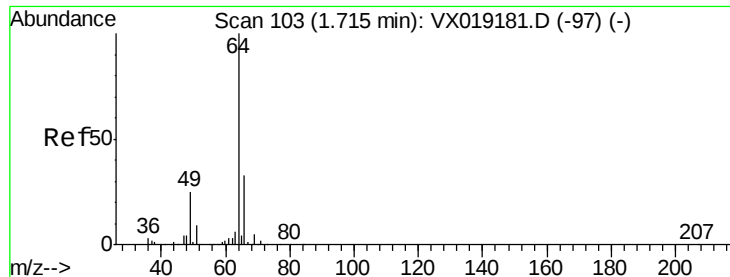
Tgt Ion: 94 Resp: 50246

Ion Ratio Lower Upper

94 100

96 91.2 67.9 126.1





#8

Chloroethane

Concen: 5.021 ug/L

RT: 1.72 min Scan# 103

Delta R.T. 0.00 min

Lab File: VX019197.D

Acq: 30 Oct 2020 10:01

Instrument :

MSVOA_X

ClientSampleId :

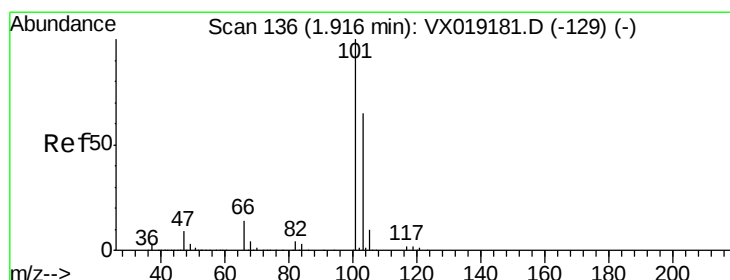
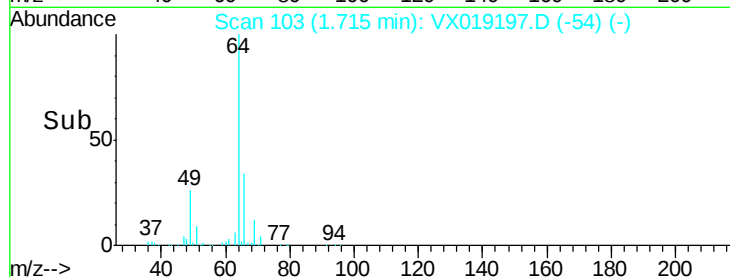
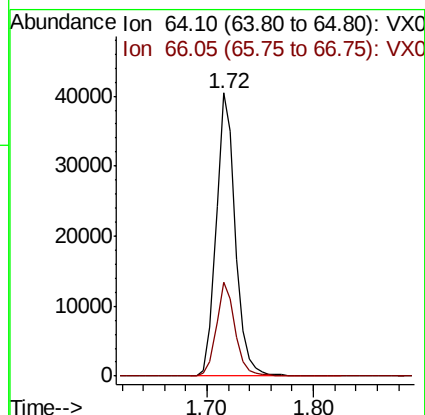
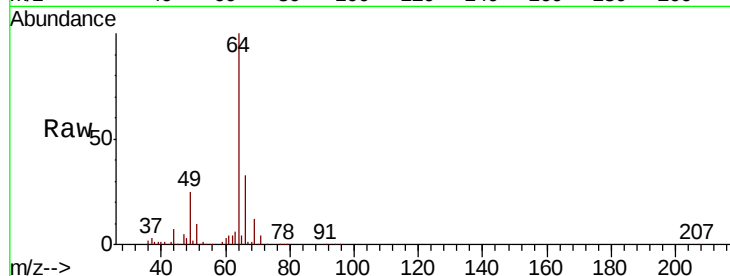
VSTD005311

Tot Ion: 64 Resp: 49781

Ion Ratio Lower Upper

64 100

66 33.3 22.7 42.1



#9

Trichlorofluoromethane

Concen: 5.094 ug/L

RT: 1.92 min Scan# 136

Delta R.T. 0.00 min

Lab File: VX019197.D

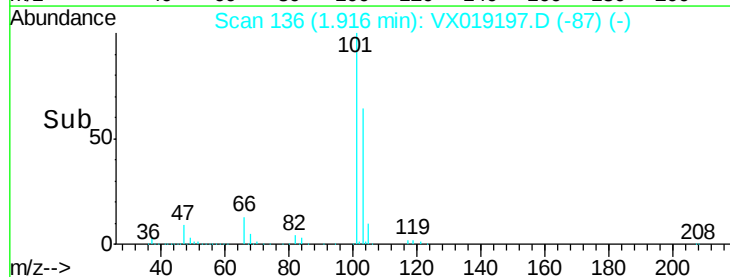
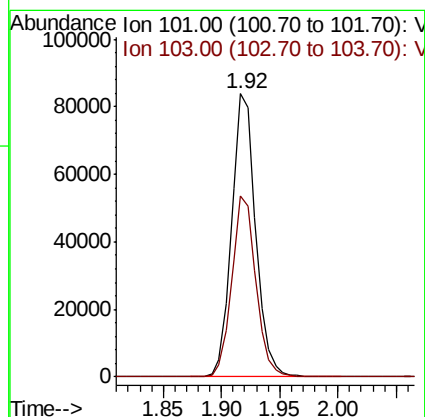
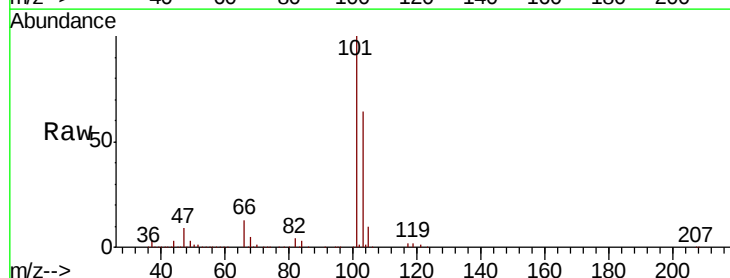
Acq: 30 Oct 2020 10:01

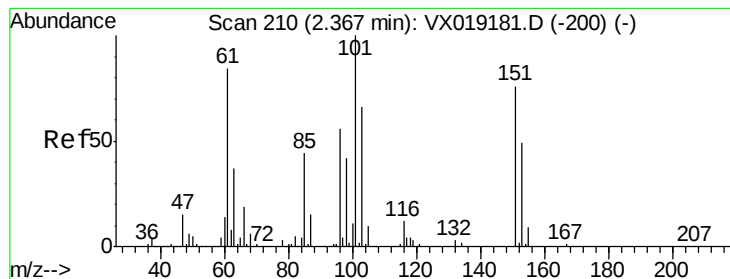
Tgt Ion: 101 Resp: 120296

Ion Ratio Lower Upper

101 100

103 64.2 51.9 77.9





#10

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

Concen: 5.168 ug/L

RT: 2.36 min Scan# 209

Delta R.T. -0.01 min

Lab File: VX019197.D

Acq: 30 Oct 2020 10:01

Instrument :

MSVOA_X

ClientSampleId :

VSTD005311

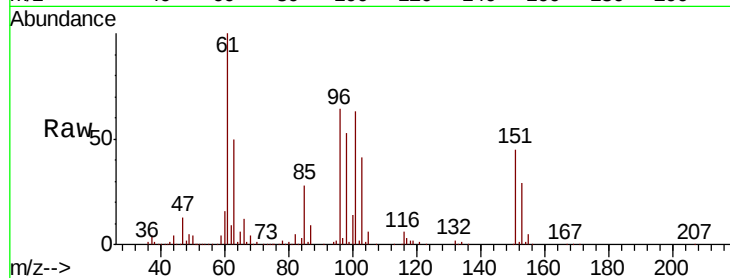
Tot Ion:101 Resp: 69351

Ion Ratio Lower Upper

101 100

85 44.8 35.3 52.9

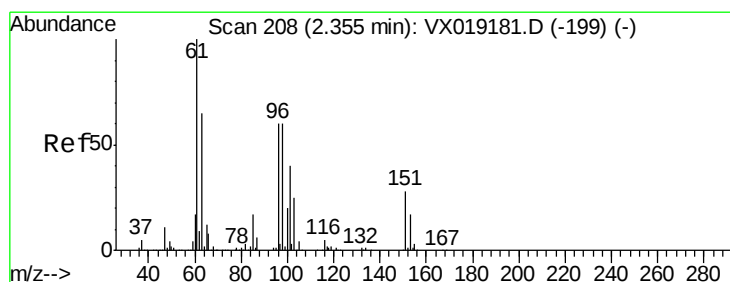
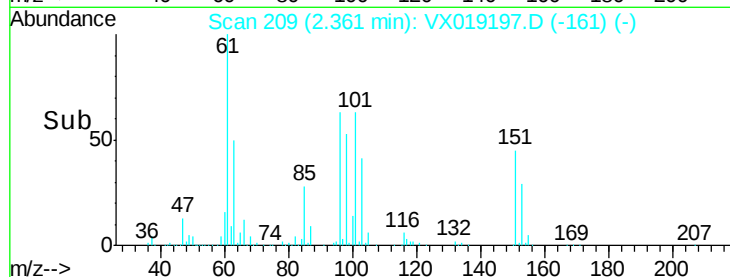
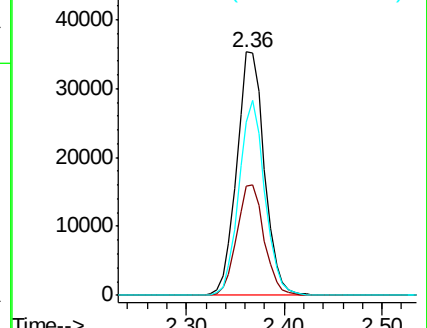
151 74.9 60.9 91.3



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: 5.081 ug/L

RT: 2.36 min Scan# 208

Delta R.T. 0.00 min

Lab File: VX019197.D

Acq: 30 Oct 2020 10:01

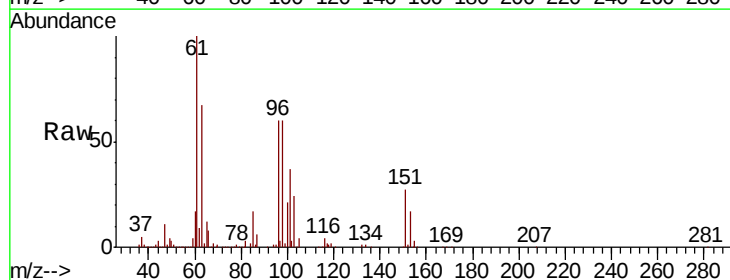
Tgt Ion: 96 Resp: 66321

Ion Ratio Lower Upper

96 100

61 166.1 109.5 203.3

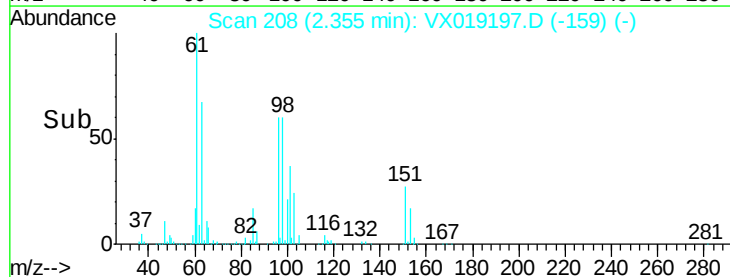
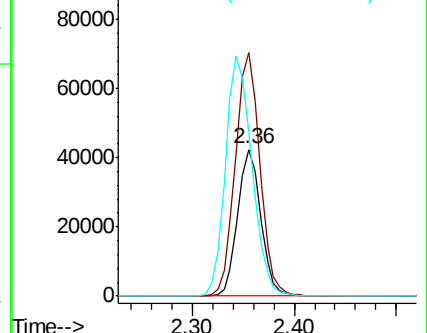
63 111.9 68.3 126.9

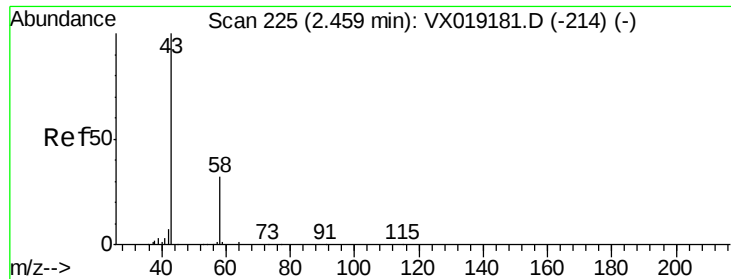


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.05 (60.75 to 61.75): VX0

Ion 63.00 (62.70 to 63.70): VX0





#13

Acetone

Concen: 51.089 ug/L

RT: 2.47 min Scan# 226

Delta R.T. 0.01 min

Lab File: VX019197.D

Acq: 30 Oct 2020 10:01

Instrument :

MSVOA_X

ClientSampleId :

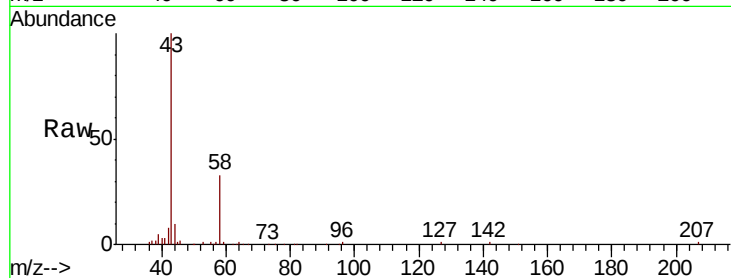
VSTD005311

Tot Ion: 43 Resp: 83832

Ion Ratio Lower Upper

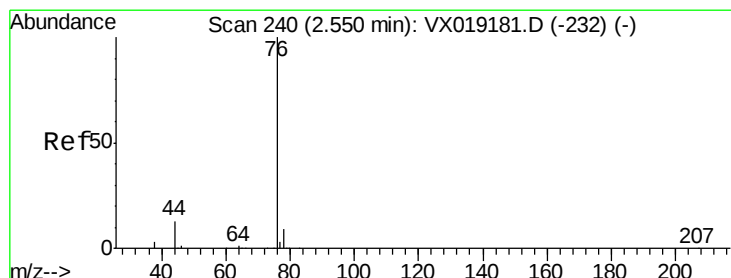
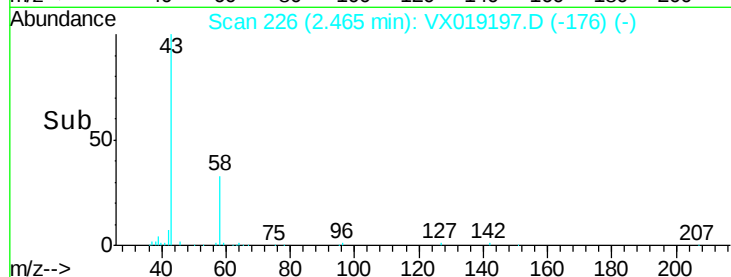
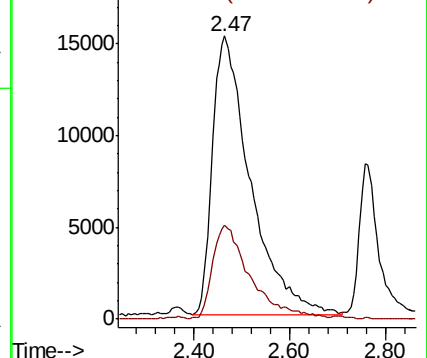
43 100

58 32.8 0.0 65.4



Abundance Ion 43.05 (42.75 to 43.75): VX0

Ion 58.05 (57.75 to 58.75): VX0



#14

Carbon disulfide

Concen: 5.001 ug/L

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX019197.D

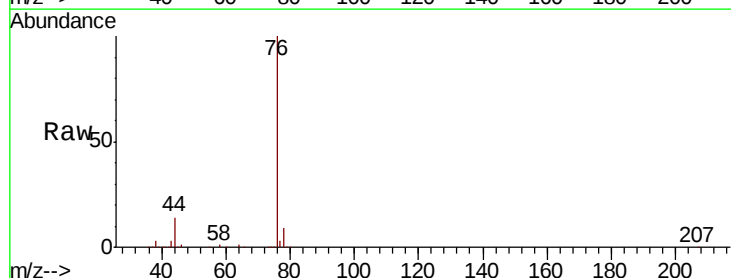
Acq: 30 Oct 2020 10:01

Tgt Ion: 76 Resp: 202482

Ion Ratio Lower Upper

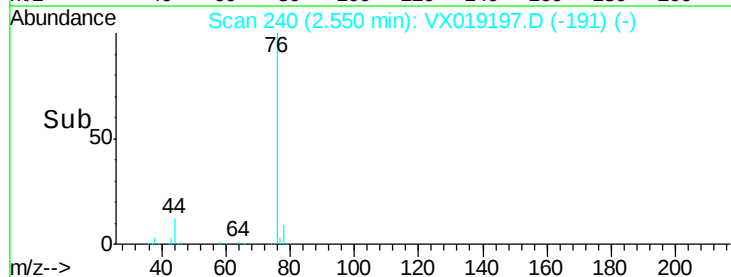
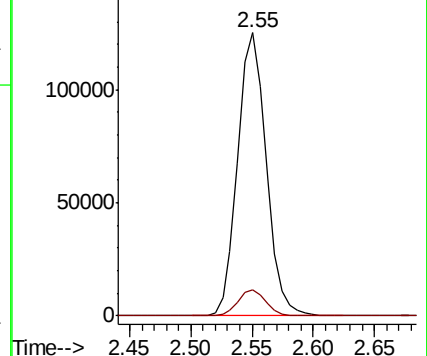
76 100

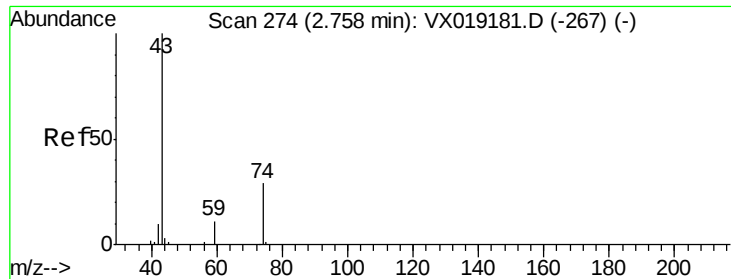
78 9.2 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VX0

Ion 78.00 (77.70 to 78.70): VX0

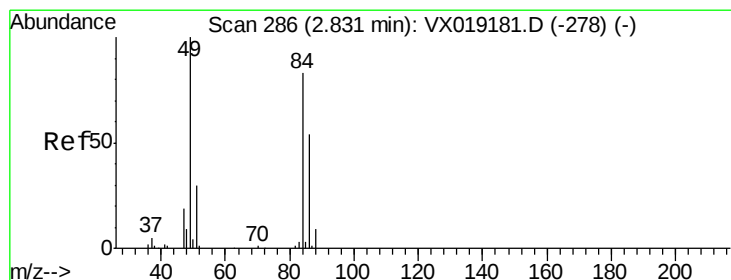
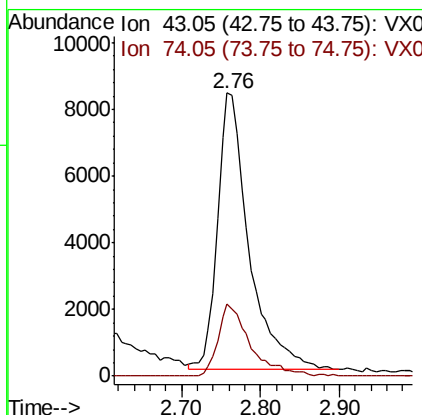
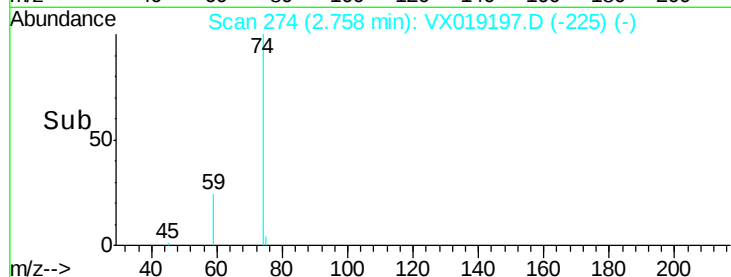
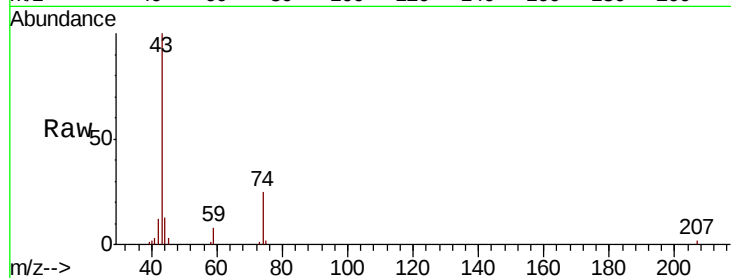




#15
Methyl Acetate
Concen: 5.224 ug/L
RT: 2.76 min Scan# 274
Delta R.T. 0.00 min
Lab File: VX019197.D
Acq: 30 Oct 2020 10:01

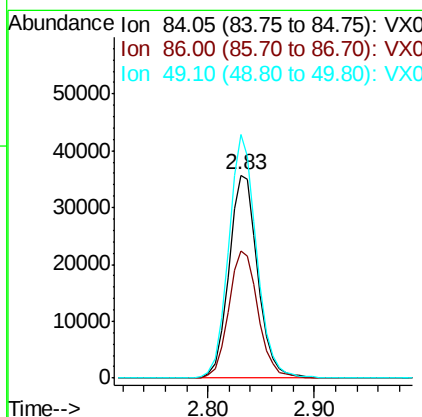
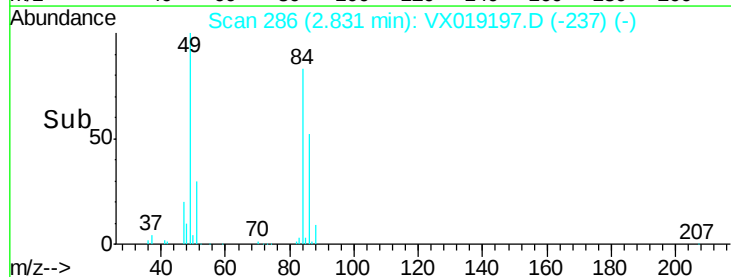
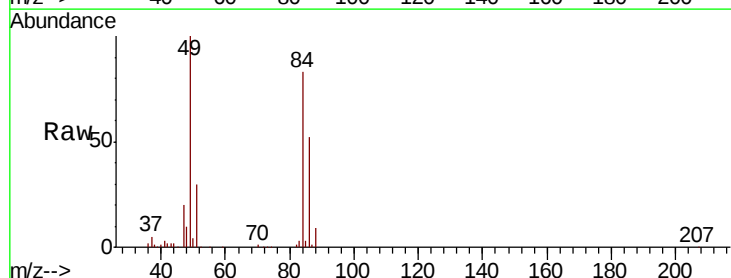
Instrument :
MSVOA_X
ClientSampleId :
VSTD005311

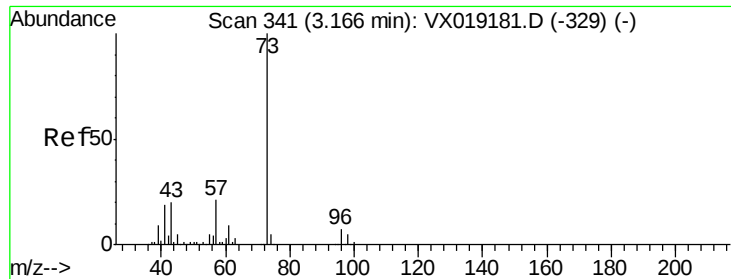
Tot Ion: 43 Resp: 22872
Ion Ratio Lower Upper
43 100
74 26.8 22.3 33.5



#16
Methylene chloride
Concen: 4.337 ug/L
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX019197.D
Acq: 30 Oct 2020 10:01

Tgt Ion: 84 Resp: 67512
Ion Ratio Lower Upper
84 100
86 62.9 42.2 78.4
49 120.0 77.5 143.9

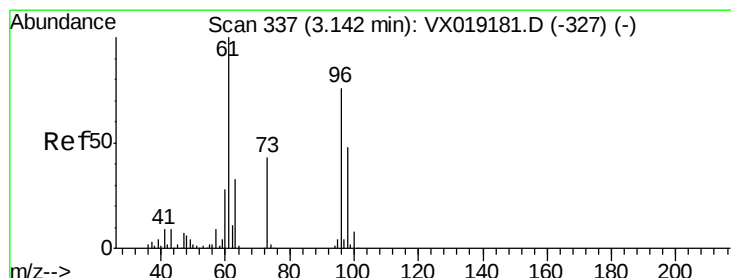
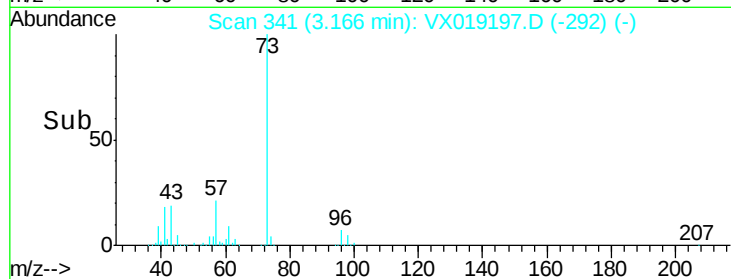
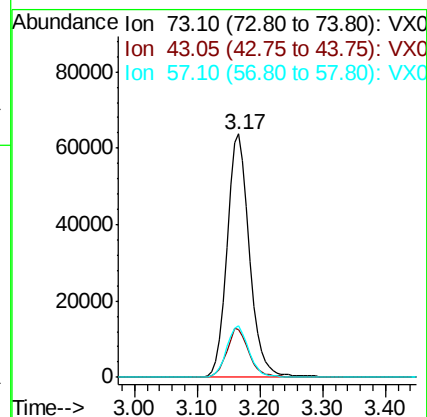
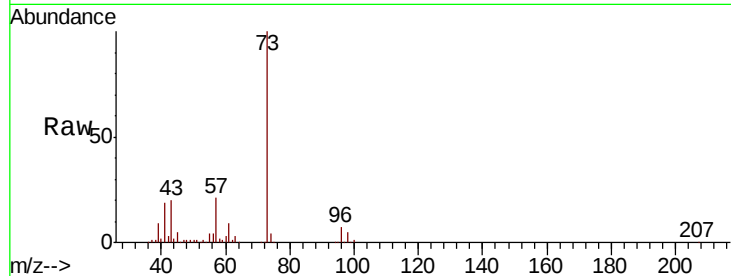




#17
Methvl tert-butvl Ether
Concen: 5.044 ug/L
RT: 3.17 min Scan# 341
Delta R.T. 0.00 min
Lab File: VX019197.D
Acq: 30 Oct 2020 10:01

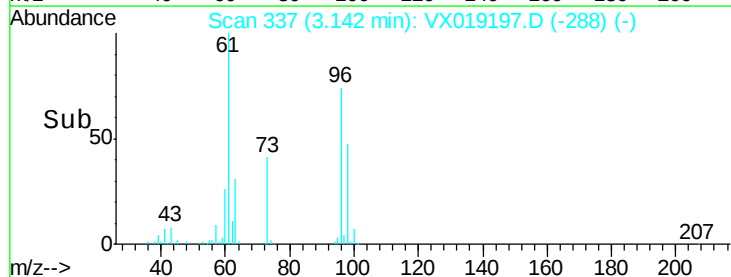
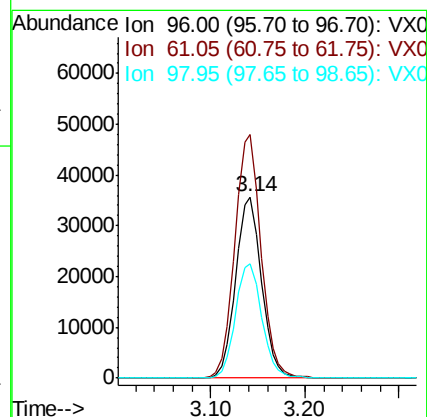
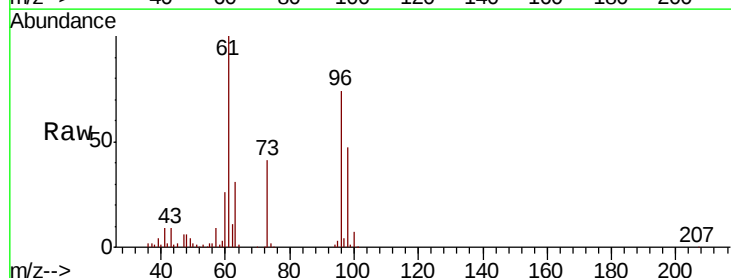
Instrument :
MSVOA_X
ClientSampleId :
VSTD005311

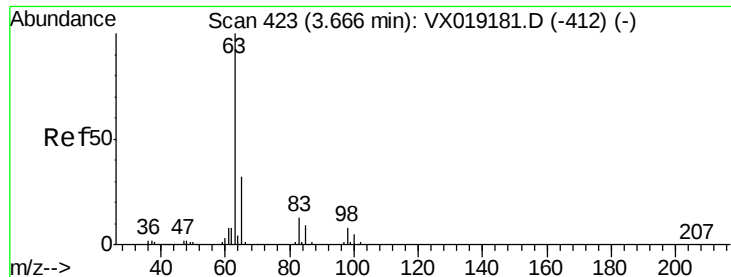
Tot Ion: 73 Resp: 157641
Ion Ratio Lower Upper
73 100
43 19.6 16.1 24.1
57 21.1 16.8 25.2



#18
trans-1,2-Dichloroethene
Concen: 4.991 ug/L
RT: 3.14 min Scan# 337
Delta R.T. 0.00 min
Lab File: VX019197.D
Acq: 30 Oct 2020 10:01

Tgt Ion: 96 Resp: 68540
Ion Ratio Lower Upper
96 100
61 134.5 93.7 173.9
98 63.5 42.8 79.6

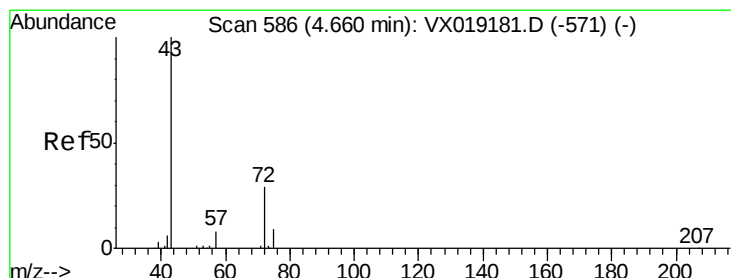
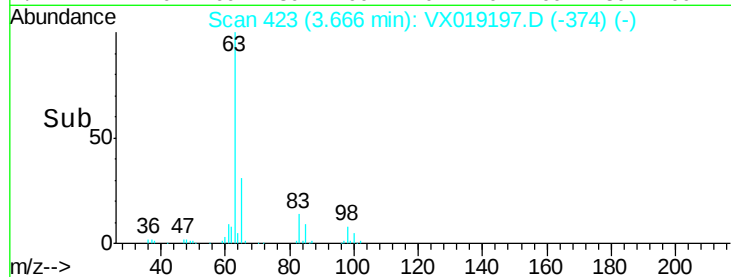
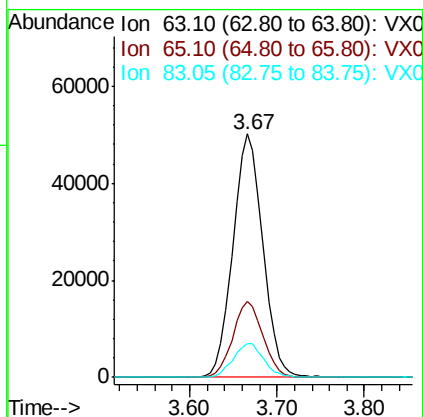
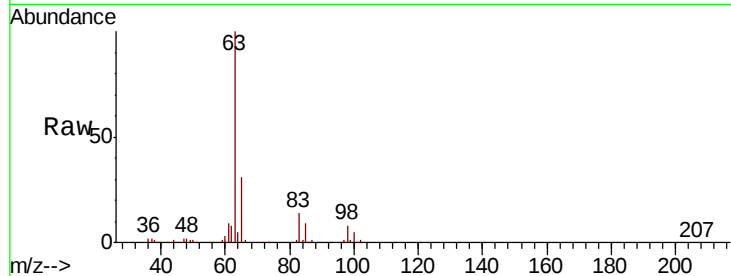




#19
 1,1-Dichloroethane
 Concen: 5.077 ug/L
 RT: 3.67 min Scan# 423
 Delta R.T. 0.00 min
 Lab File: VX019197.D
 Acq: 30 Oct 2020 10:01

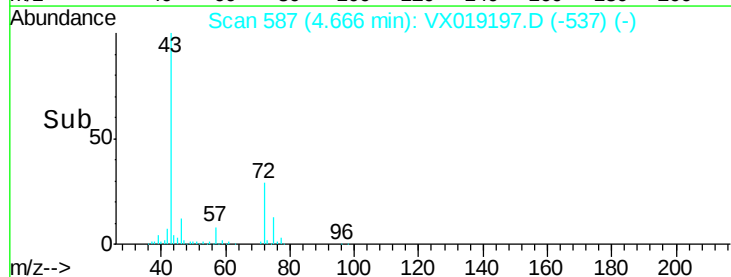
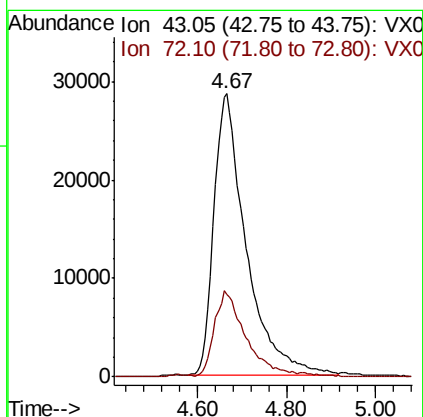
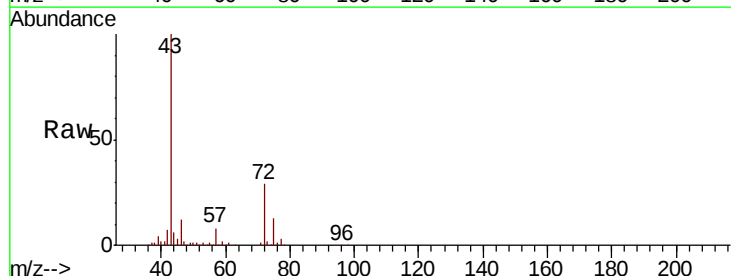
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005311

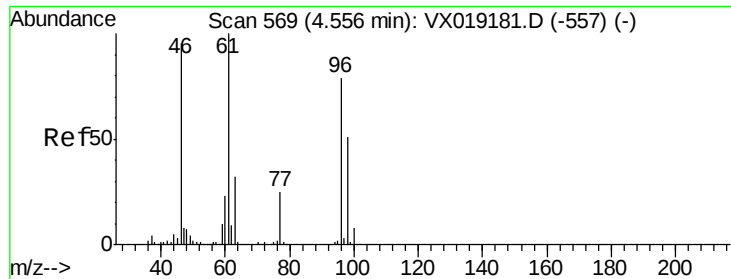
Tot Ion	Ratio	Lower	Upper
63	100		
65	31.4	22.5	41.9
83	13.7	9.7	17.9



#21
 2-Butanone
 Concen: 49.831 ug/L
 RT: 4.67 min Scan# 587
 Delta R.T. 0.01 min
 Lab File: VX019197.D
 Acq: 30 Oct 2020 10:01

Tgt Ion	Ratio	Lower	Upper
43	100		
72	28.8	14.4	43.4



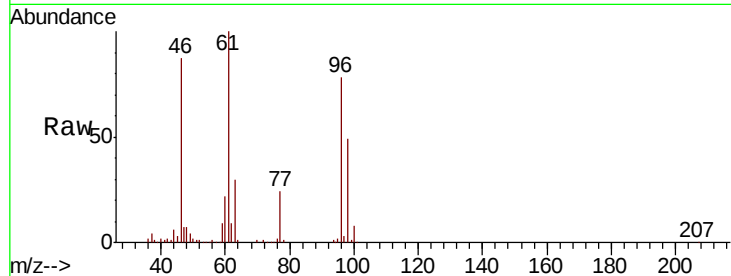


#22

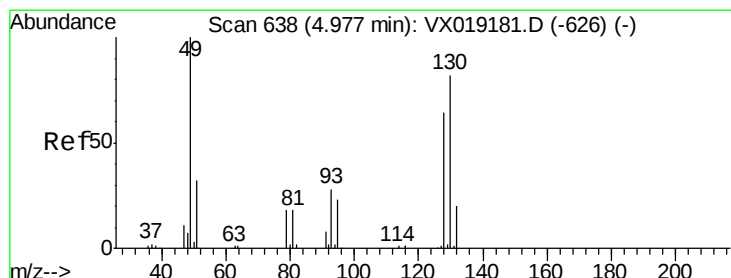
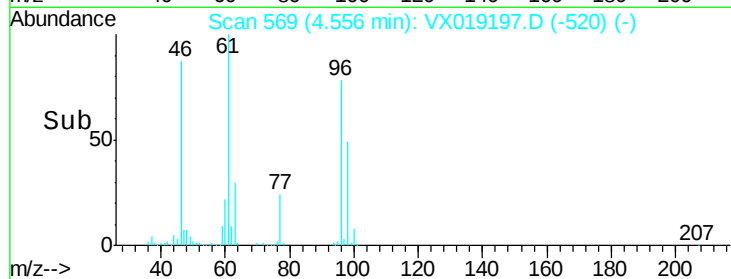
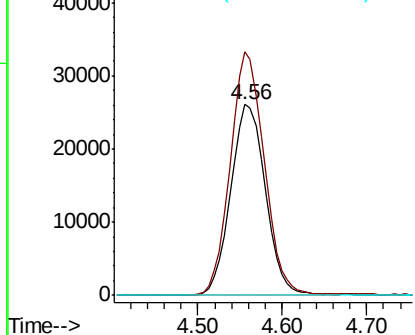
cis-1,2-Dichloroethene
 Concen: 4.984 ug/L
 RT: 4.56 min Scan# 569
 Delta R.T. 0.00 min
 Lab File: VX019197.D
 Acq: 30 Oct 2020 10:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005311

Tot Ion: 96 Resp: 72900
 Ion Ratio Lower Upper
 96 100
 61 127.5 85.7 159.1
 68 0.0 0.0 0.0



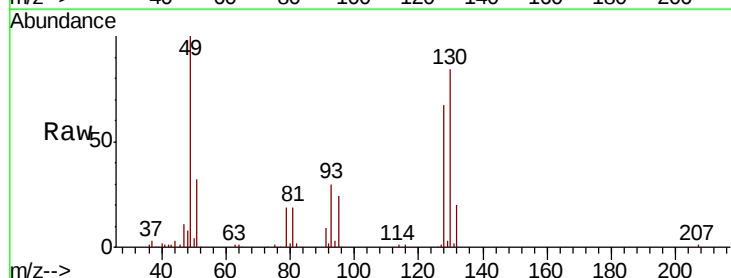
Abundance Ion 96.00 (95.70 to 96.70): VX0
 Ion 61.05 (60.75 to 61.75): VX0
 Ion 68.15 (67.85 to 68.85): VX0



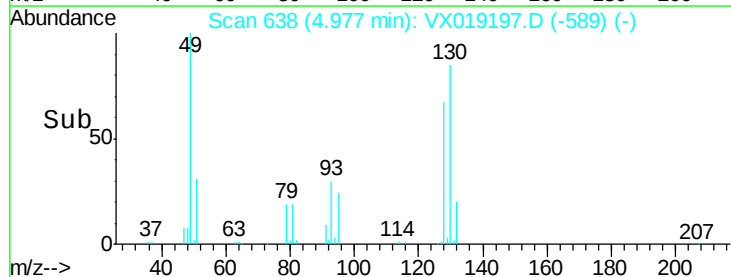
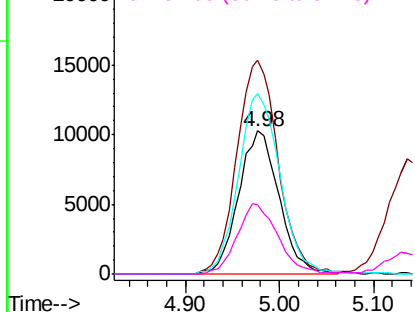
#23

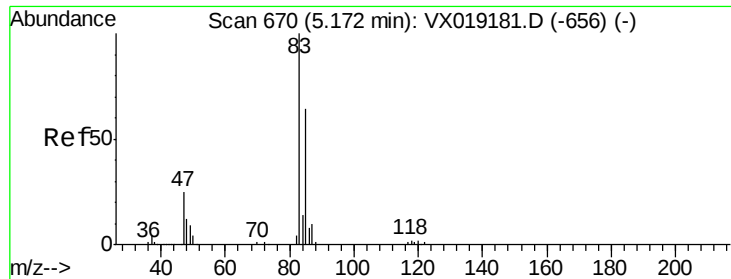
Bromochloromethane
 Concen: 5.060 ug/L
 RT: 4.98 min Scan# 638
 Delta R.T. 0.00 min
 Lab File: VX019197.D
 Acq: 30 Oct 2020 10:01

Tgt Ion: 128 Resp: 30773
 Ion Ratio Lower Upper
 128 100
 49 149.6 102.8 191.0
 130 126.1 86.3 160.3
 51 48.4 36.5 54.7



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VX0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VX0





#25

Chloroform

Concen: 5.106 ug/L

RT: 5.17 min Scan# 670

Delta R.T. 0.00 min

Lab File: VX019197.D

Acq: 30 Oct 2020 10:01

Instrument :

MSVOA_X

ClientSampleId :

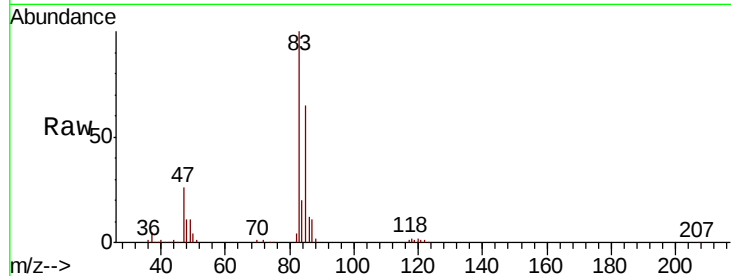
VSTD005311

Tot Ion: 83 Resp: 124810

Ion Ratio Lower Upper

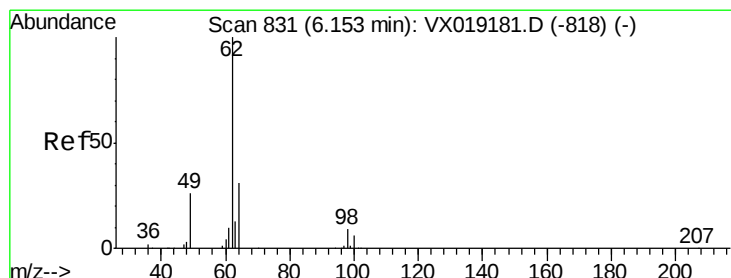
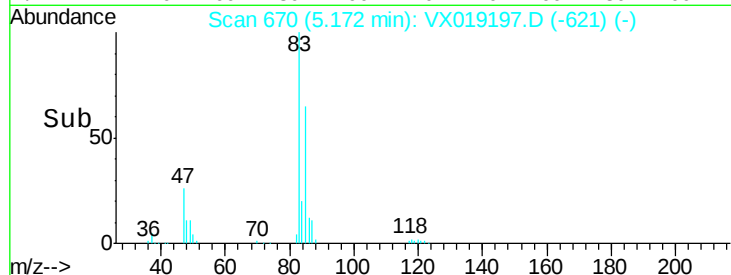
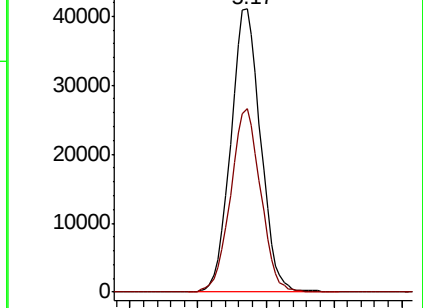
83 100

85 65.0 47.6 88.4



Abundance Ion 83.05 (82.75 to 83.75): VX0

Ion 85.00 (84.70 to 85.70): VX0



#27

1,2-Dichloroethane

Concen: 5.129 ug/L

RT: 6.16 min Scan# 832

Delta R.T. 0.01 min

Lab File: VX019197.D

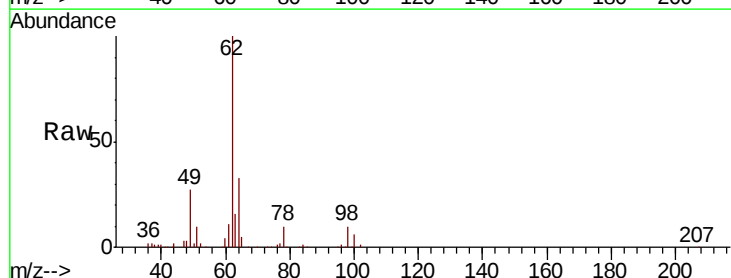
Acq: 30 Oct 2020 10:01

Tgt Ion: 62 Resp: 78446

Ion Ratio Lower Upper

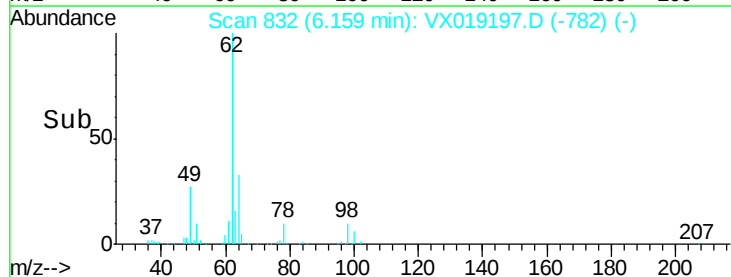
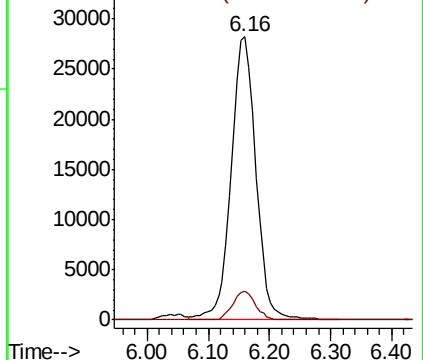
62 100

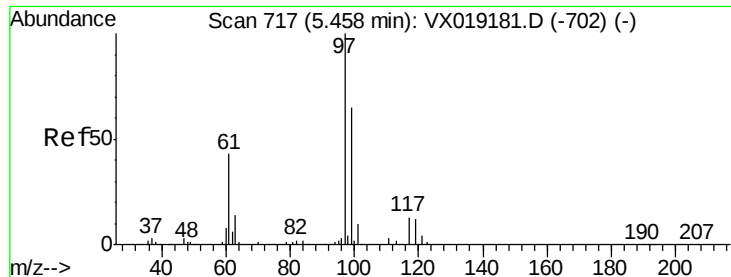
98 10.2 7.4 11.0



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 98.05 (97.75 to 98.75): VX0

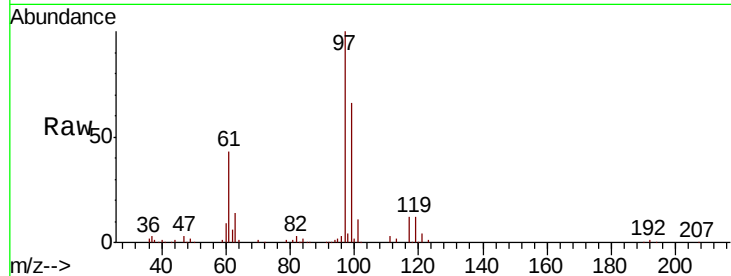




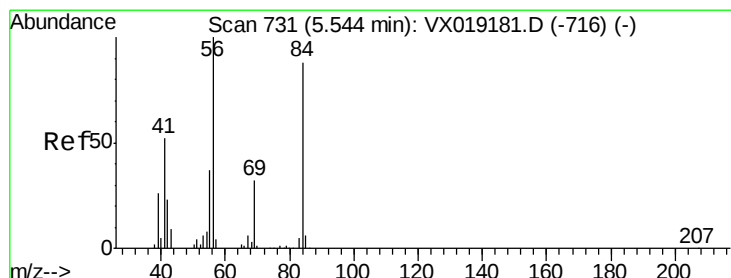
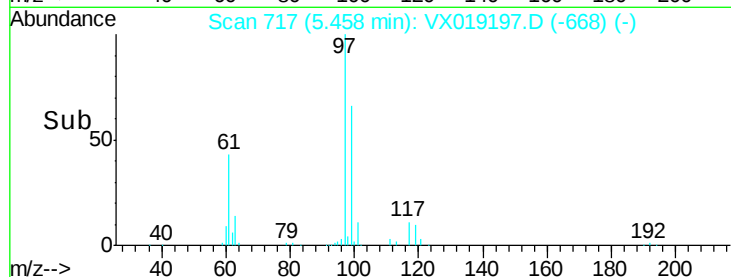
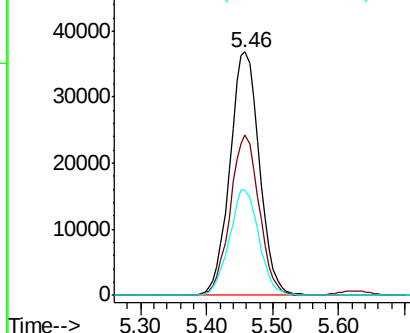
#29
 1,1,1-Trichloroethane
 Concen: 4.968 ug/L
 RT: 5.46 min Scan# 717
 Delta R.T. 0.00 min
 Lab File: VX019197.D
 Acq: 30 Oct 2020 10:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005311

Tot Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.8	77.8
61	43.6	34.5	51.7

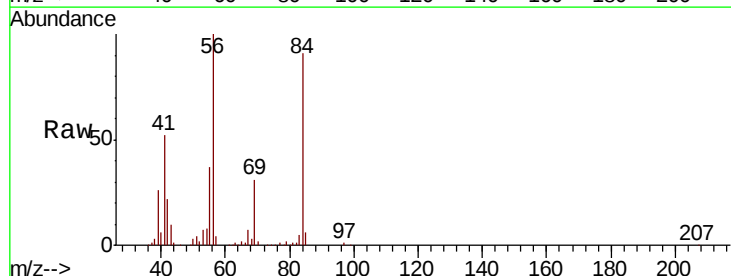


Abundance Ion 96.95 (96.65 to 97.65): VX0
 Ion 99.05 (98.75 to 99.75): VX0
 Ion 61.05 (60.75 to 61.75): VX0

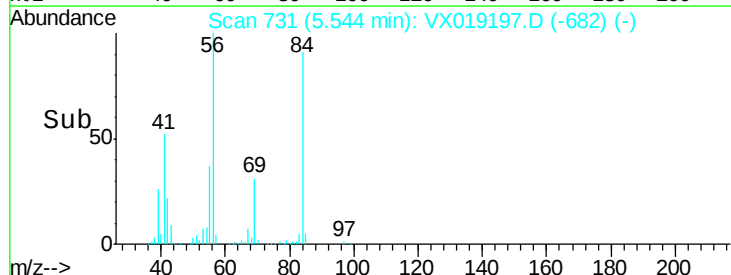
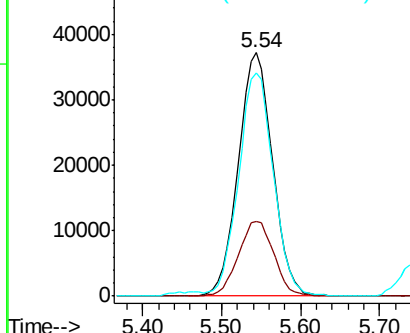


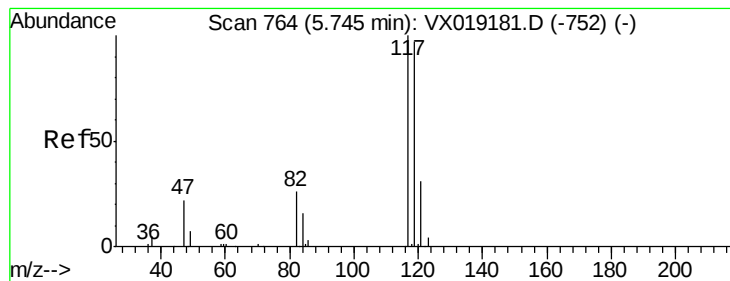
#30
 Cyclohexane
 Concen: 4.927 ug/L
 RT: 5.54 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: VX019197.D
 Acq: 30 Oct 2020 10:01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	31.9	26.2	39.2
84	92.8	74.5	111.7



Abundance Ion 56.10 (55.80 to 56.80): VX0
 Ion 69.15 (68.85 to 69.85): VX0
 Ion 84.15 (83.85 to 84.85): VX0





#31

Carbon tetrachloride

Concen: 5.036 ug/L

RT: 5.74 min Scan# 764

Delta R.T. 0.00 min

Lab File: VX019197.D

Acq: 30 Oct 2020 10:01

Instrument :

MSVOA_X

ClientSampleId :

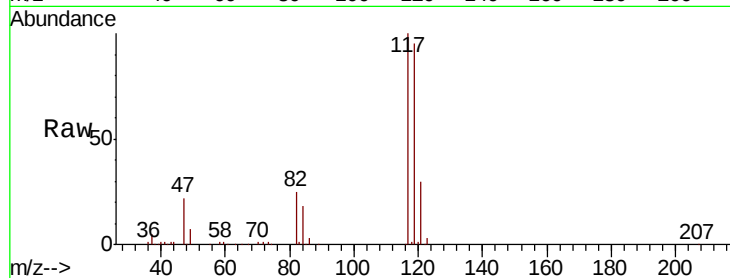
VSTD005311

Tot Ion:117 Resp: 98544

Ion Ratio Lower Upper

117 100

119 96.8 77.3 115.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.74

40000

30000

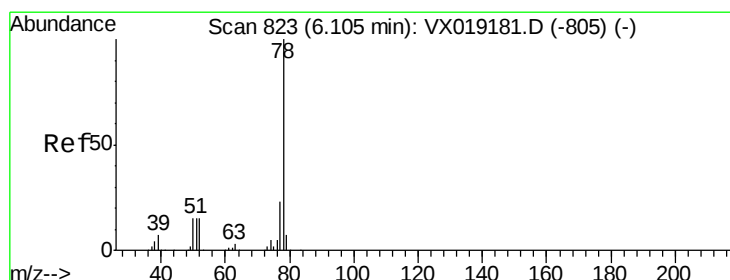
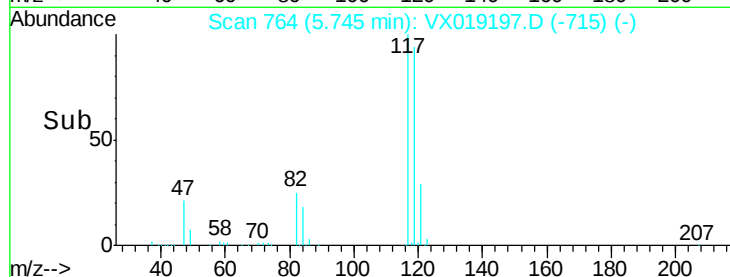
20000

10000

0

Time-->

5.60 5.70 5.80 5.90



#33

Benzene

Concen: 4.958 ug/L

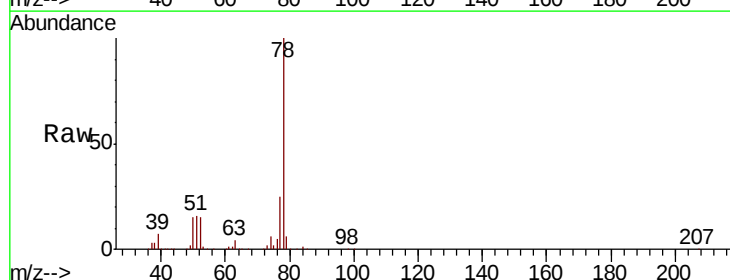
RT: 6.11 min Scan# 824

Delta R.T. 0.01 min

Lab File: VX019197.D

Acq: 30 Oct 2020 10:01

Tgt Ion: 78 Resp: 274746



Abundance Ion 78.10 (77.80 to 78.80): VX0

120000

100000

80000

60000

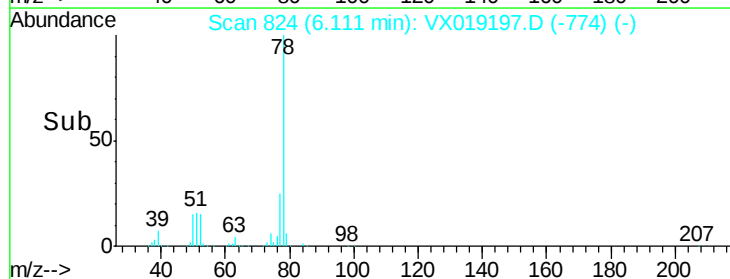
40000

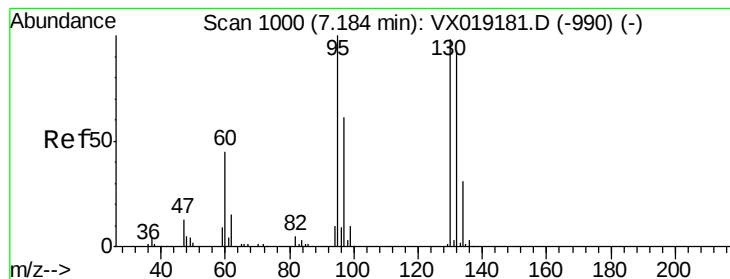
20000

0

Time-->

5.90 6.00 6.10 6.20 6.30





#34

Trichloroethene

Concen: 4.872 ug/L

RT: 7.18 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VX019197.D

Acq: 30 Oct 2020 10:01

Instrument :

MSVOA_X

ClientSampled :

VSTD005311

Tot Ion: 95 Resp: 73827

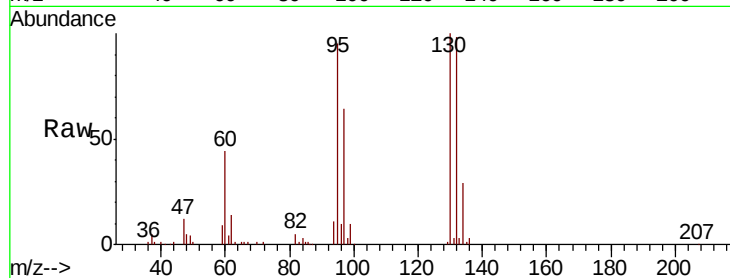
Ion Ratio Lower Upper

95 100

97 67.2 45.2 84.0

132 103.5 65.3 121.3

130 105.1 70.6 131.0

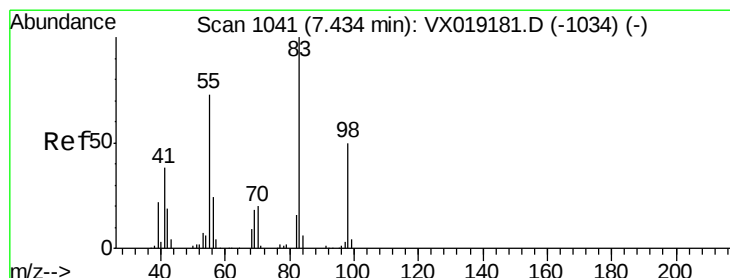
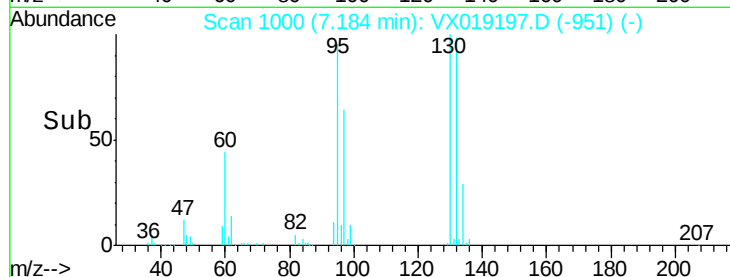
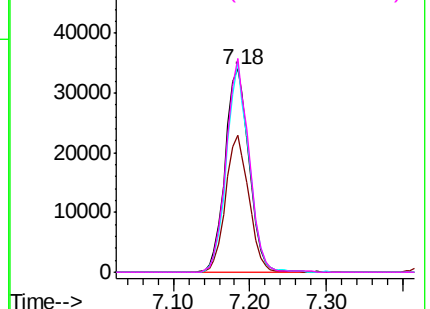


Abundance Ion 95.00 (94.70 to 95.70): VX0

Ion 96.95 (96.65 to 97.65): VX0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 5.013 ug/L

RT: 7.43 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VX019197.D

Acq: 30 Oct 2020 10:01

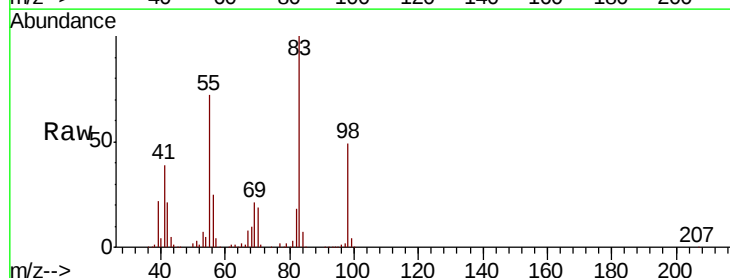
Tgt Ion: 83 Resp: 122864

Ion Ratio Lower Upper

83 100

55 73.4 58.5 87.7

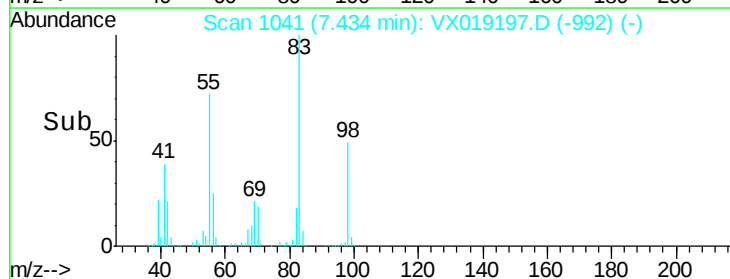
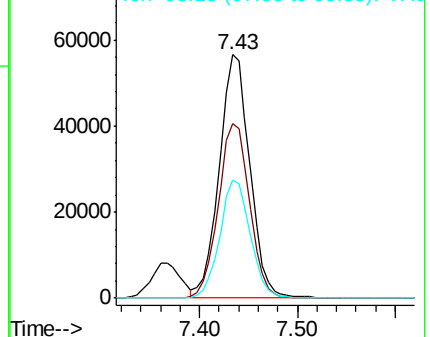
98 47.9 40.1 60.1

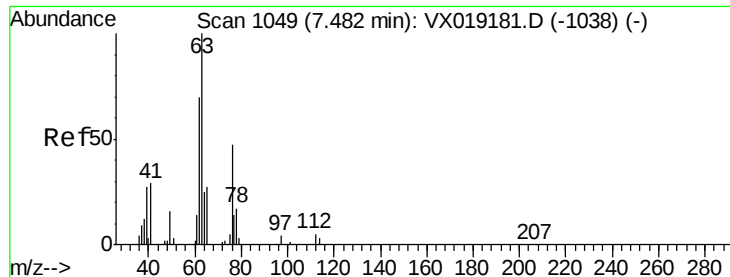


Abundance Ion 83.15 (82.85 to 83.85): VX0

Ion 55.10 (54.80 to 55.80): VX0

Ion 98.15 (97.85 to 98.85): VX0

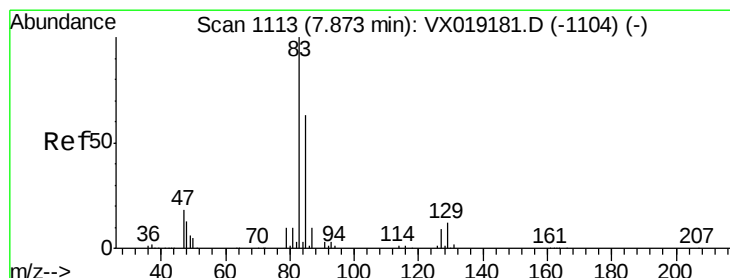
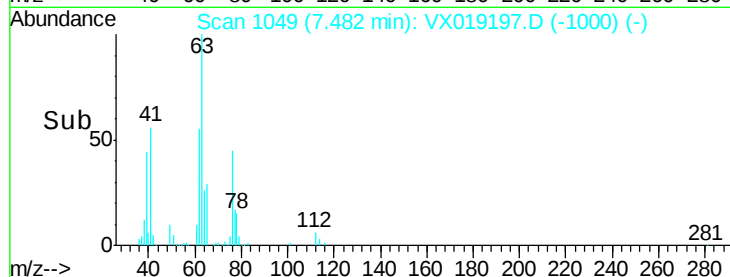
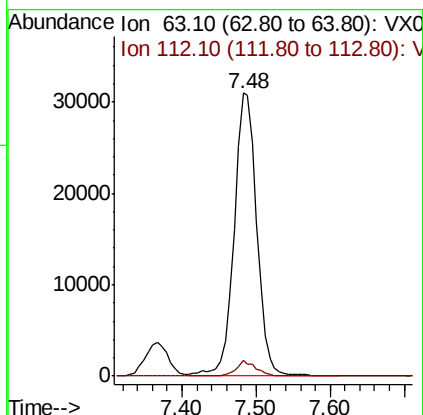
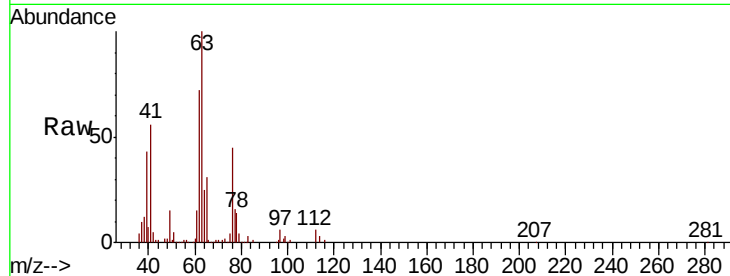




#37
 1,2-Dichloropropane
 Concen: 5.075 ug/L
 RT: 7.48 min Scan# 1049
 Delta R.T. 0.00 min
 Lab File: VX019197.D
 Acq: 30 Oct 2020 10:01

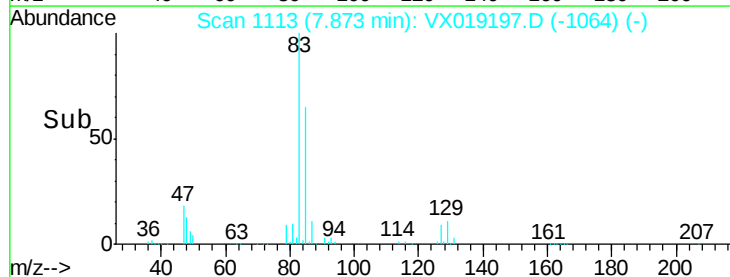
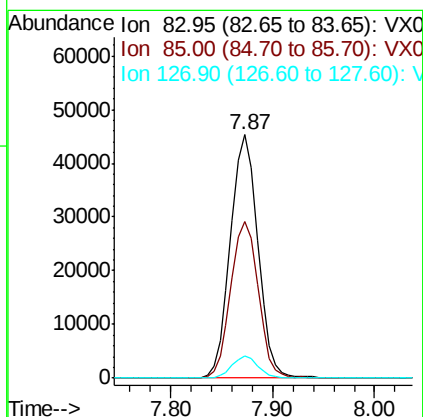
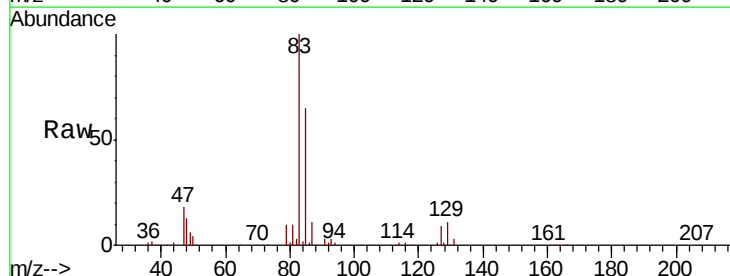
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005311

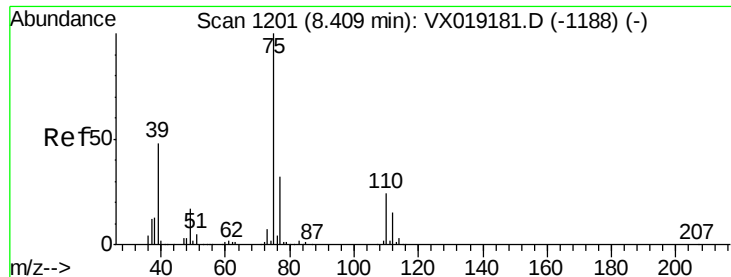
Tot Ion: 63 Resp: 66299
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.8 5.6



#38
 Bromodichloromethane
 Concen: 4.989 ug/L
 RT: 7.87 min Scan# 1113
 Delta R.T. 0.00 min
 Lab File: VX019197.D
 Acq: 30 Oct 2020 10:01

Tgt Ion: 83 Resp: 84842
 Ion Ratio Lower Upper
 83 100
 85 64.5 44.4 82.5
 127 9.0 7.2 10.8



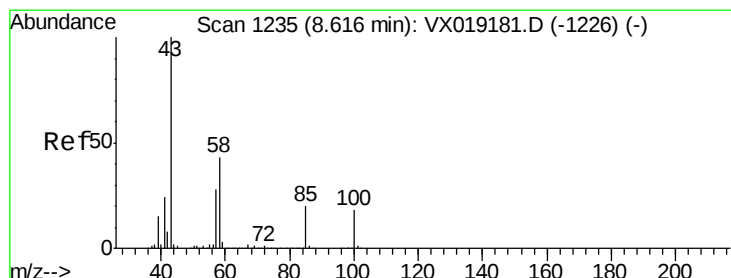
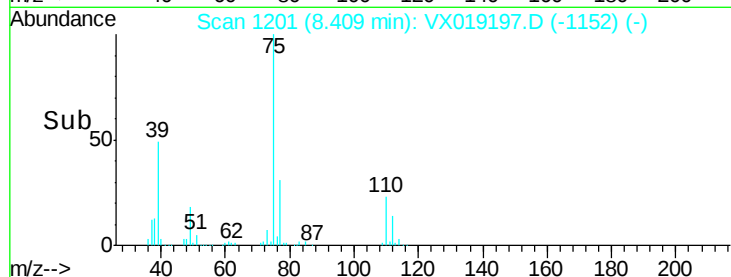
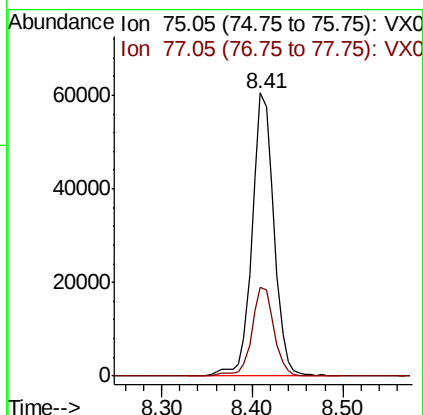
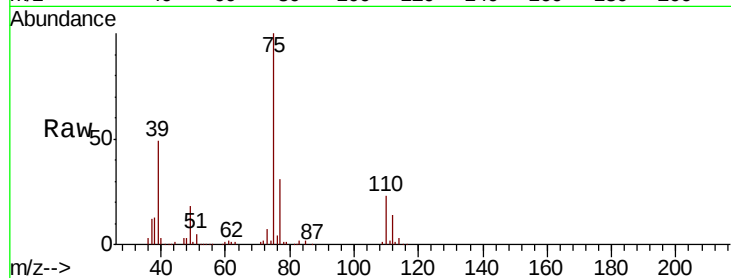


#39

cis-1,3-Dichloropropene
Concen: 5.044 ug/L
RT: 8.41 min Scan# 1201
Delta R.T. 0.00 min
Lab File: VX019197.D
Acq: 30 Oct 2020 10:01

Instrument :
MSVOA_X
ClientSampleId :
VSTD005311

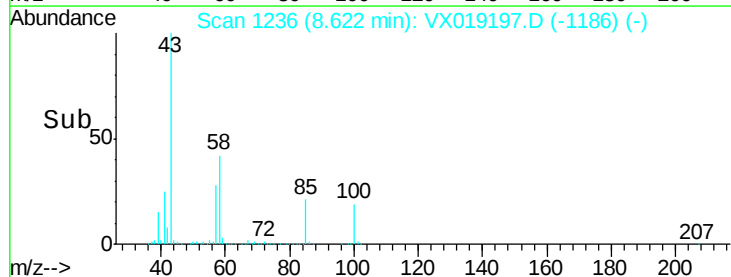
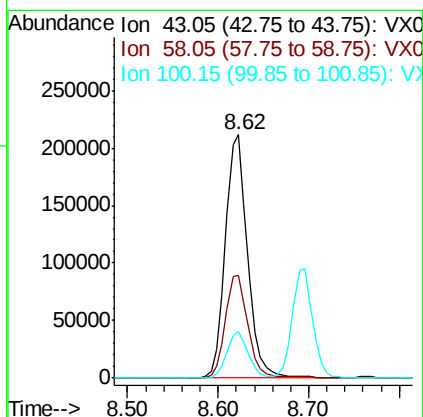
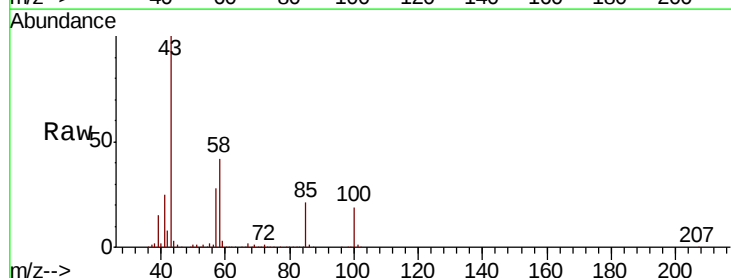
Tot Ion: 75 Resp: 101197
Ion Ratio Lower Upper
75 100
77 31.4 21.8 40.6

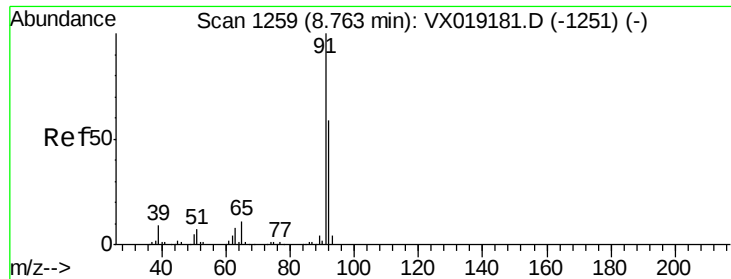


#40

4-Methyl-2-pentanone
Concen: 51.677 ug/L
RT: 8.62 min Scan# 1236
Delta R.T. 0.01 min
Lab File: VX019197.D
Acq: 30 Oct 2020 10:01

Tgt Ion: 43 Resp: 360448
Ion Ratio Lower Upper
43 100
58 42.5 34.1 51.1
100 18.4 15.0 22.4





#42

Toluene

Concen: 4.984 ug/L

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX019197.D

Acq: 30 Oct 2020 10:01

Instrument :

MSVOA_X

ClientSampleId :

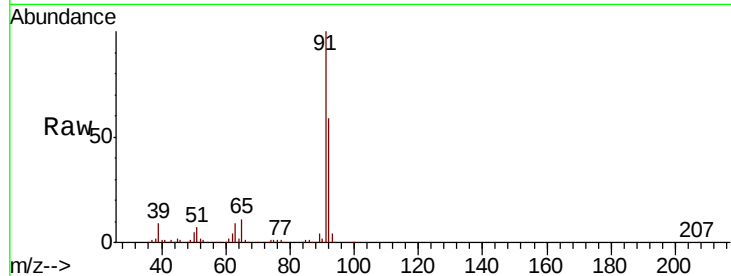
VSTD005311

Tot Ion: 91 Resp: 298327

Ion Ratio Lower Upper

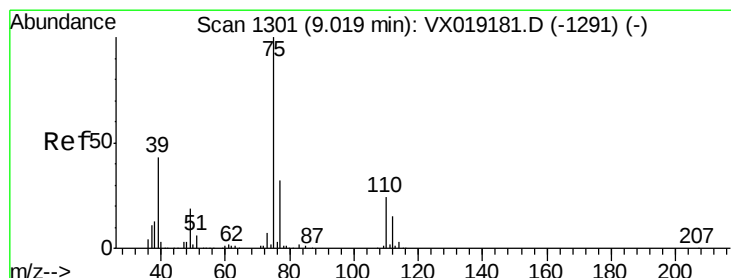
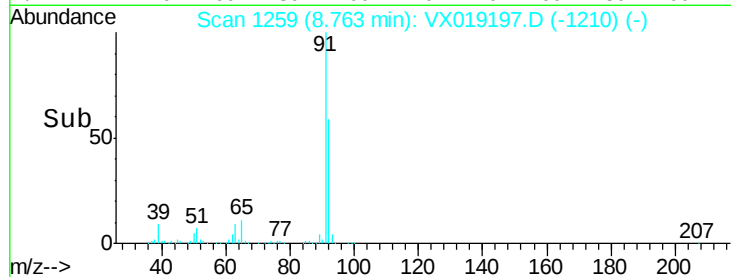
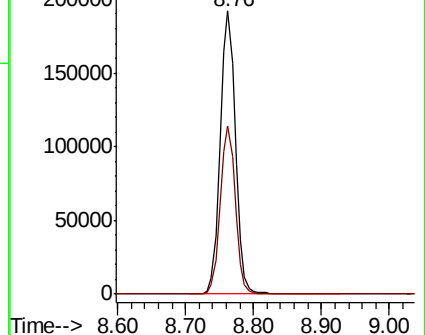
91 100

92 59.4 40.7 75.7



Abundance Ion 91.15 (90.85 to 91.85): VX0

Ion 92.15 (91.85 to 92.85): VX0



#44

trans-1,3-Dichloropropene

Concen: 5.180 ug/L

RT: 9.02 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VX019197.D

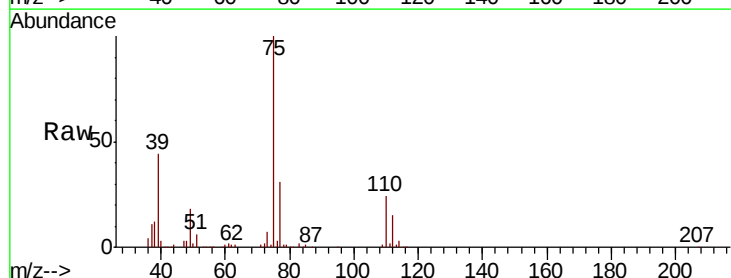
Acq: 30 Oct 2020 10:01

Tgt Ion: 75 Resp: 87031

Ion Ratio Lower Upper

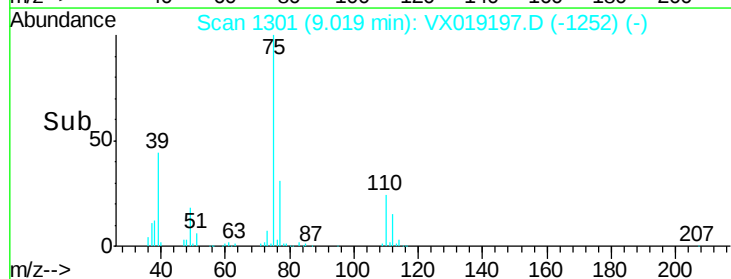
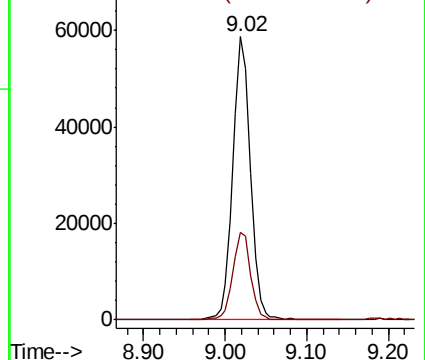
75 100

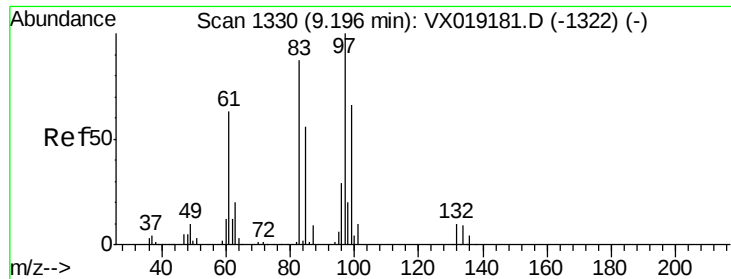
77 31.0 21.7 40.3



Abundance Ion 75.05 (74.75 to 75.75): VX0

Ion 77.05 (76.75 to 77.75): VX0

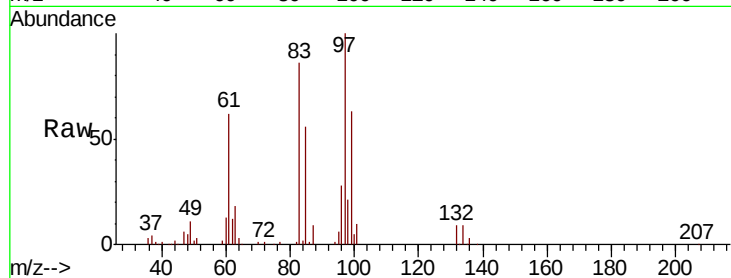




#45
 1,1,2-Trichloroethane
 Concen: 4.905 ug/L
 RT: 9.20 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VX019197.D
 Acq: 30 Oct 2020 10:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005311

Tot Ion:	97	Resp:	46751
Ion	Ratio	Lower	Upper
97	100		
99	63.4	44.8	83.2
83	86.0	59.1	109.7
85	55.6	37.4	69.4



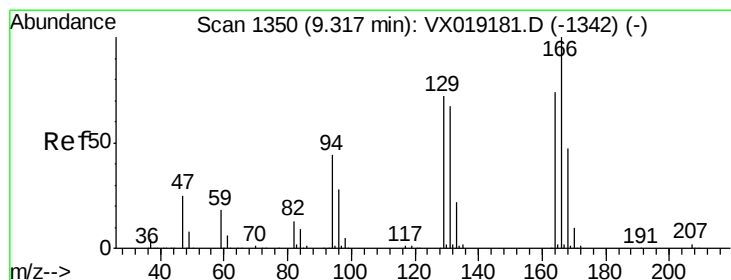
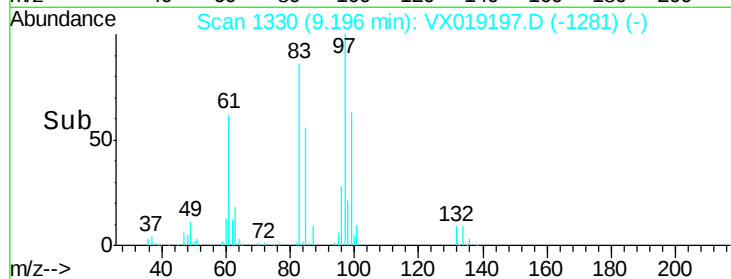
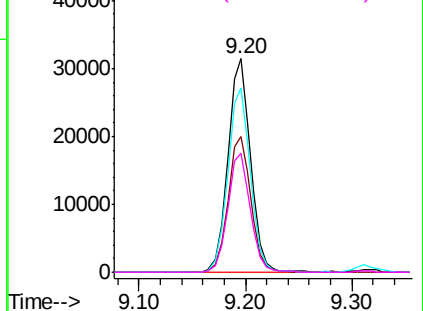
Abundance

Ion 96.95 (96.65 to 97.65): VX0

Ion 99.05 (98.75 to 99.75): VX0

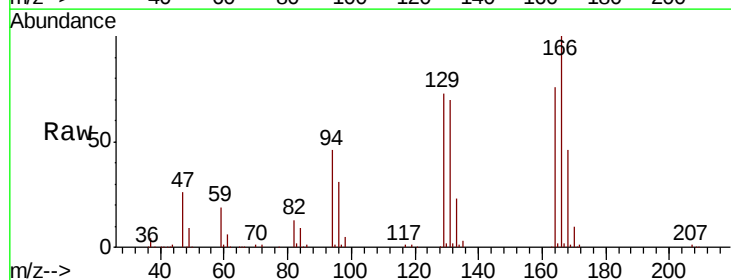
Ion 82.95 (82.65 to 83.65): VX0

Ion 85.00 (84.70 to 85.70): VX0



#47
 Tetrachloroethene
 Concen: 4.929 ug/L
 RT: 9.32 min Scan# 1350
 Delta R.T. 0.00 min
 Lab File: VX019197.D
 Acq: 30 Oct 2020 10:01

Tgt Ion:	164	Resp:	57019
Ion	Ratio	Lower	Upper
164	100		
129	95.9	64.2	119.2
131	92.3	63.8	118.4
166	132.2	88.3	164.1



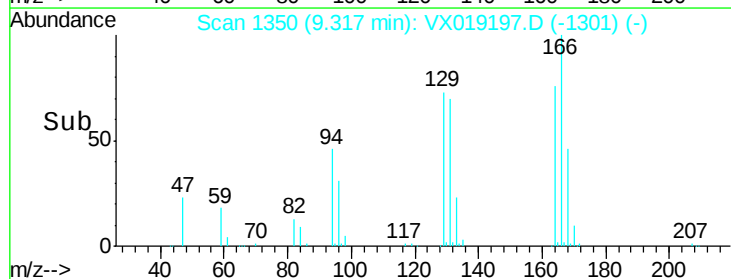
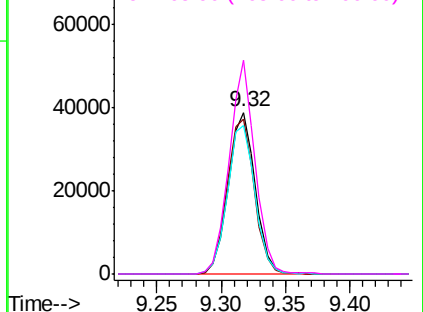
Abundance

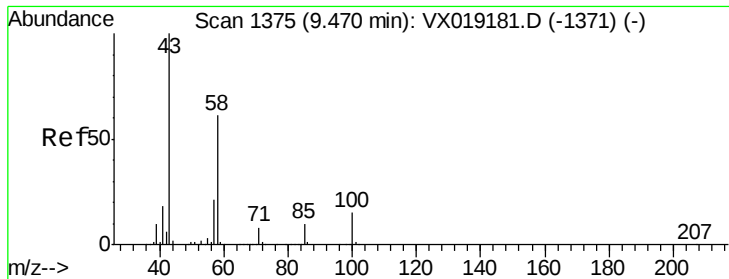
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

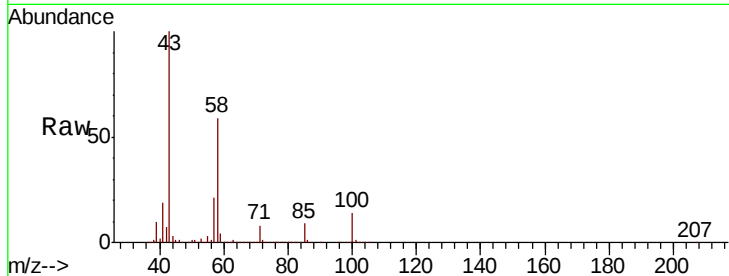




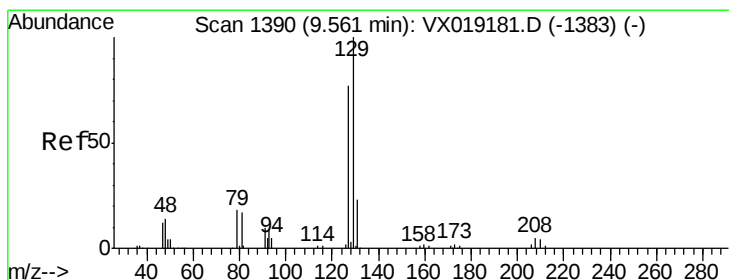
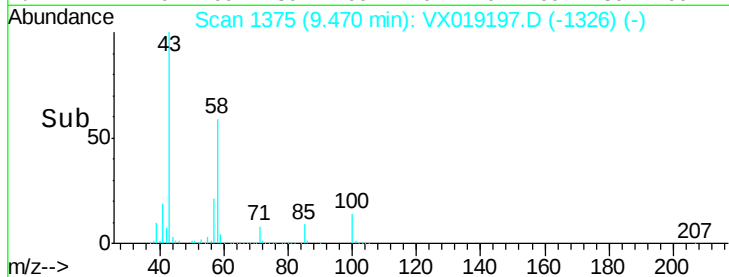
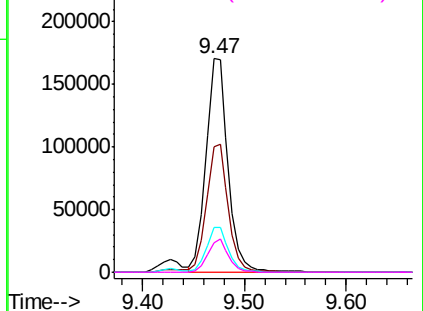
#48
2-Hexanone
Concen: 52.462 ug/L
RT: 9.47 min Scan# 1375
Delta R.T. 0.00 min
Lab File: VX019197.D
Acq: 30 Oct 2020 10:01

Instrument :
MSVOA_X
ClientSampleId :
VSTD005311

Tot Ion:	43	Resp:	255955
Ion	Ratio	Lower	Upper
43	100		
58	60.2	49.3	73.9
57	20.9	17.2	25.8
100	14.6	11.8	17.8

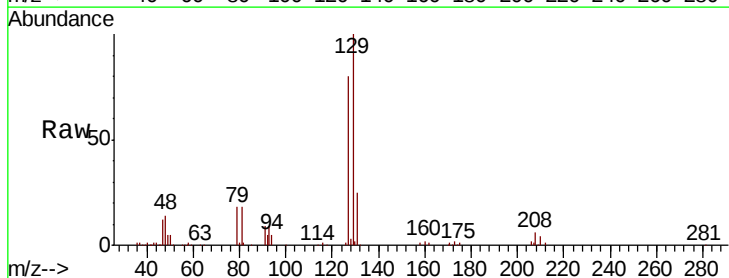


Abundance Ion 43.05 (42.75 to 43.75): VX0
Ion 58.05 (57.75 to 58.75): VX0
Ion 57.20 (56.90 to 57.90): VX0
Ion 100.15 (99.85 to 100.85): V

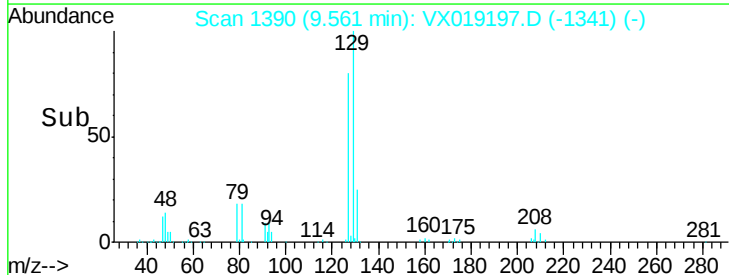
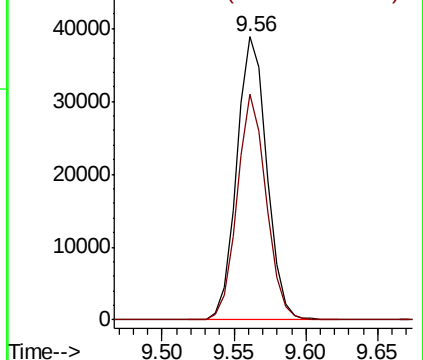


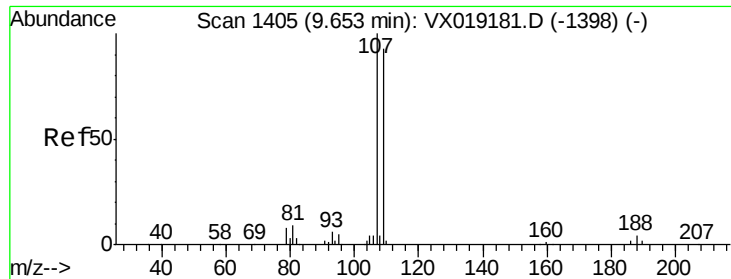
#49
Dibromochloromethane
Concen: 5.113 ug/L
RT: 9.56 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VX019197.D
Acq: 30 Oct 2020 10:01

Tgt Ion:	129	Resp:	56421
Ion	Ratio	Lower	Upper
129	100		
127	80.0	53.6	99.6



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

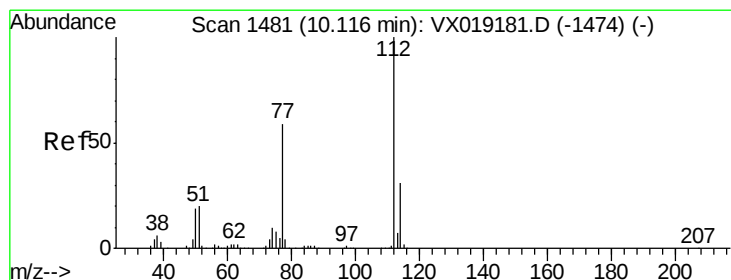
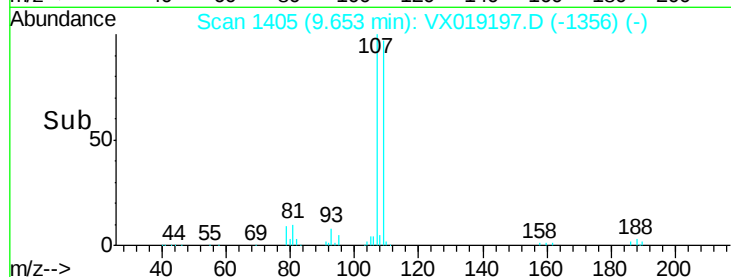
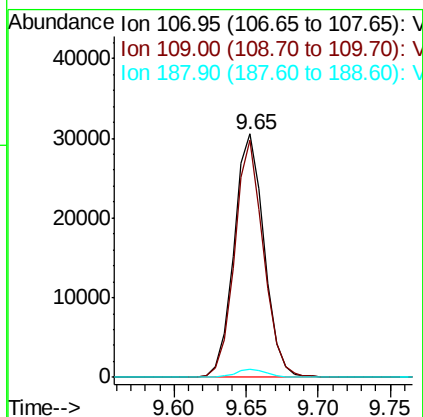
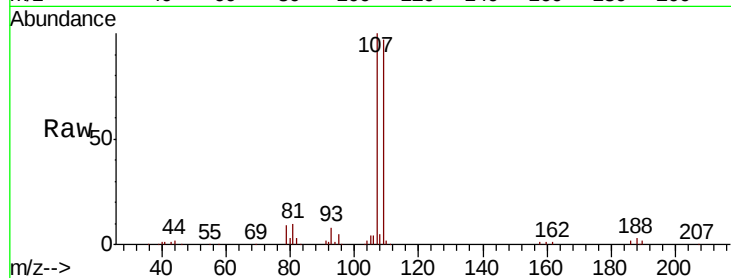




#50
 1,2-Dibromoethane
 Concen: 5.036 ug/L
 RT: 9.65 min Scan# 1405
 Delta R.T. 0.00 min
 Lab File: VX019197.D
 Acq: 30 Oct 2020 10:01

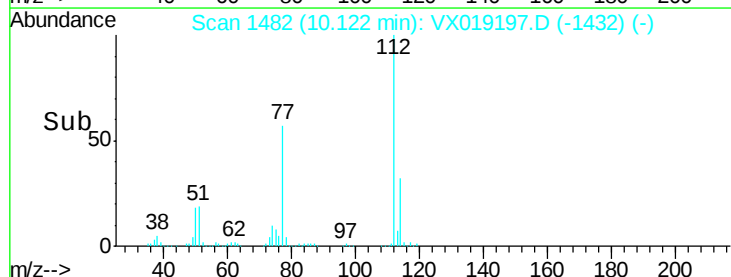
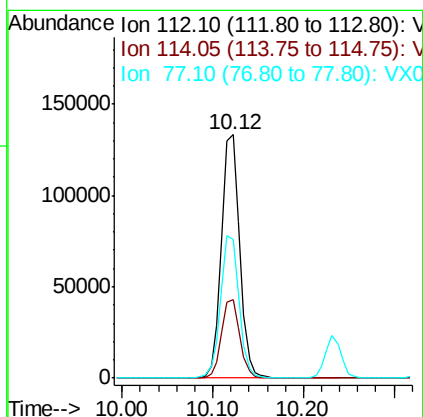
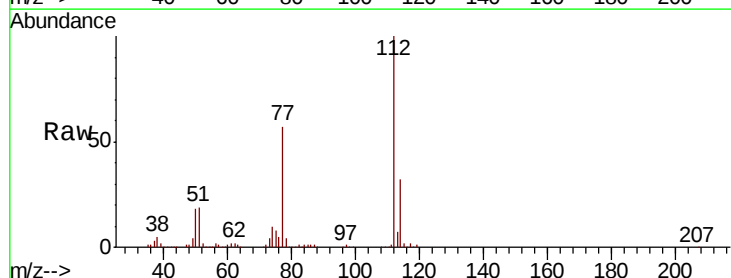
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005311

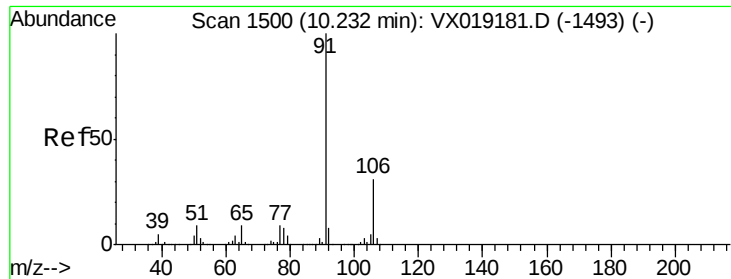
Tot Ion:107 Resp: 44522
 Ion Ratio Lower Upper
 107 100
 109 97.2 62.9 116.9
 188 3.4 3.0 4.4



#51
 Chlorobenzene
 Concen: 4.964 ug/L
 RT: 10.12 min Scan# 1482
 Delta R.T. 0.01 min
 Lab File: VX019197.D
 Acq: 30 Oct 2020 10:01

Tgt Ion:112 Resp: 188111
 Ion Ratio Lower Upper
 112 100
 114 32.3 22.5 41.9
 77 57.0 46.2 69.2





#52

Ethylbenzene

Concen: 4.963 ug/L

RT: 10.23 min Scan# 1500

Delta R.T. 0.00 min

Lab File: VX019197.D

Acq: 30 Oct 2020 10:01

Instrument :

MSVOA_X

ClientSampled :

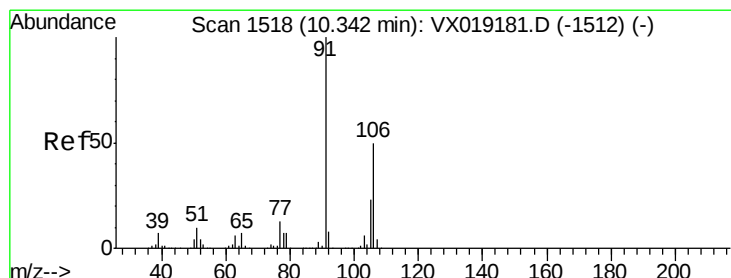
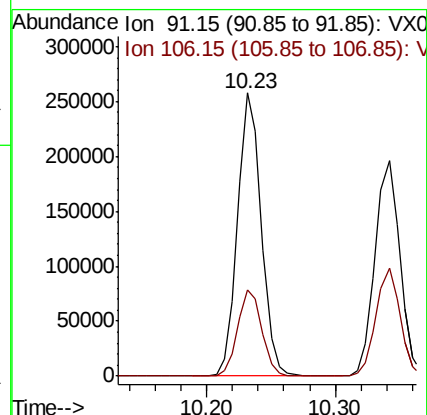
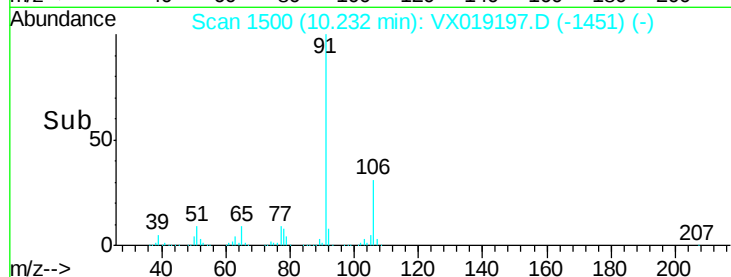
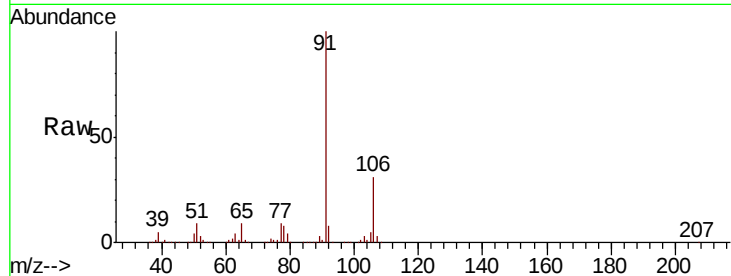
VSTD005311

Tot Ion: 91 Resp: 332338

Ion Ratio Lower Upper

91 100

106 30.5 21.1 39.1



#53

m,p-xylene

Concen: 4.965 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX019197.D

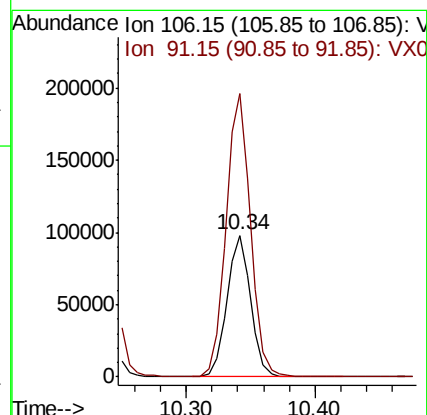
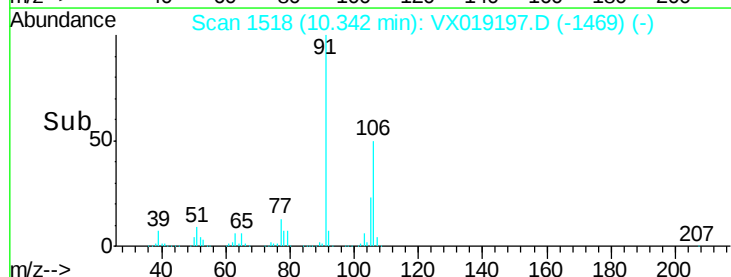
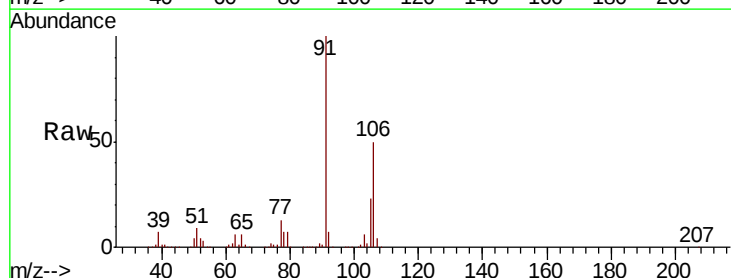
Acq: 30 Oct 2020 10:01

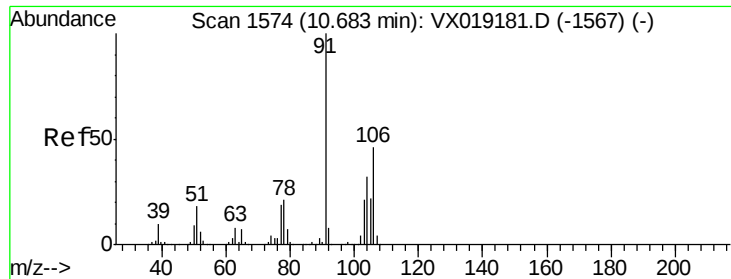
Tgt Ion: 106 Resp: 127574

Ion Ratio Lower Upper

106 100

91 199.7 141.5 262.7

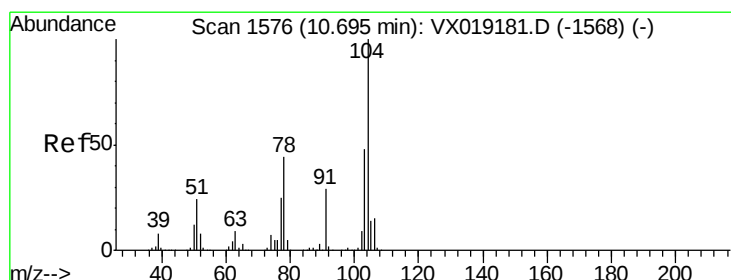
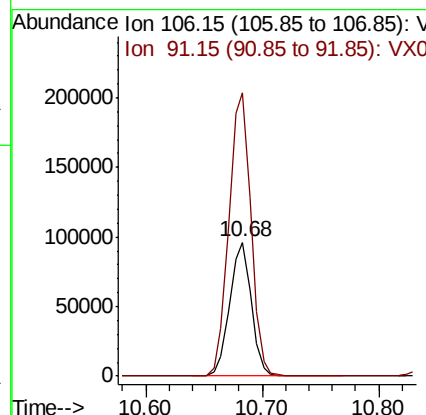
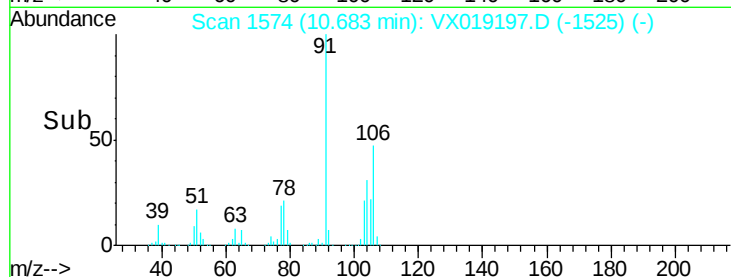
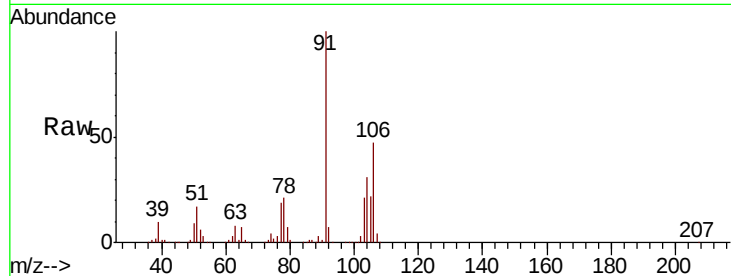




#54
o-xylene
Concen: 5.012 ug/L
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX019197.D
Acq: 30 Oct 2020 10:01

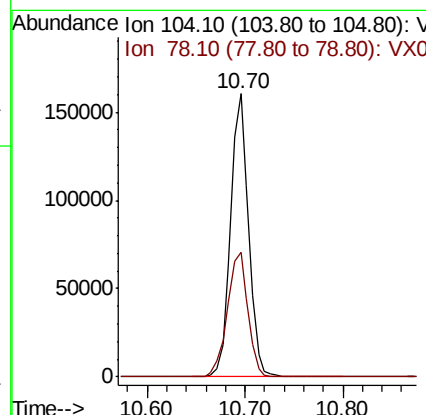
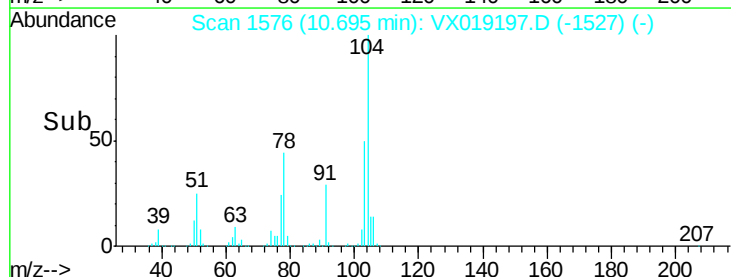
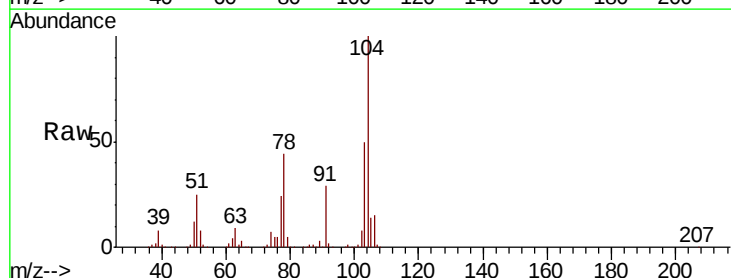
Instrument :
MSVOA_X
ClientSampled :
VSTD005311

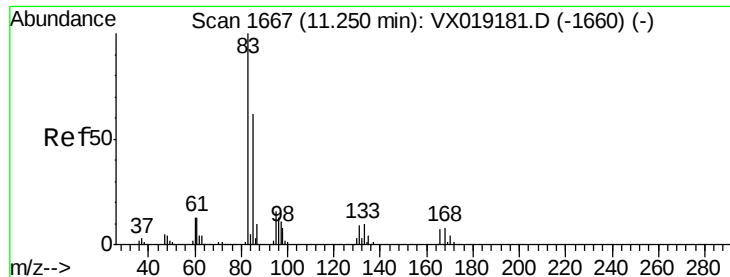
Tot Ion:106 Resp: 123362
Ion Ratio Lower Upper
106 100
91 211.7 145.9 271.1



#55
Styrene
Concen: 5.084 ug/L
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX019197.D
Acq: 30 Oct 2020 10:01

Tgt Ion:104 Resp: 204470
Ion Ratio Lower Upper
104 100
78 44.2 31.7 58.9





#57

1,1,2,2-Tetrachloroethane

Concen: 5.032 ug/L

RT: 11.25 min Scan# 1667

Delta R.T. 0.00 min

Lab File: VX019197.D

Acq: 30 Oct 2020 10:01

Instrument :

MSVOA_X

ClientSampleId :

VSTD005311

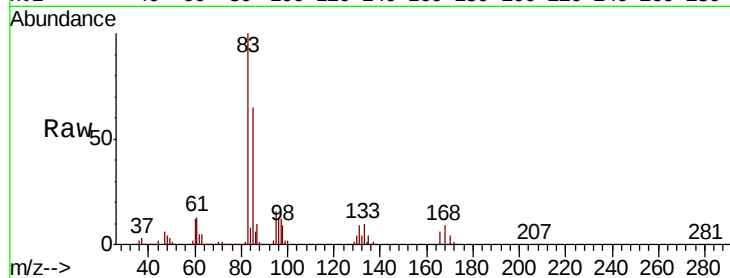
Tot Ion: 83 Resp: 54673

Ion Ratio Lower Upper

83 100

85 65.2 46.0 85.4

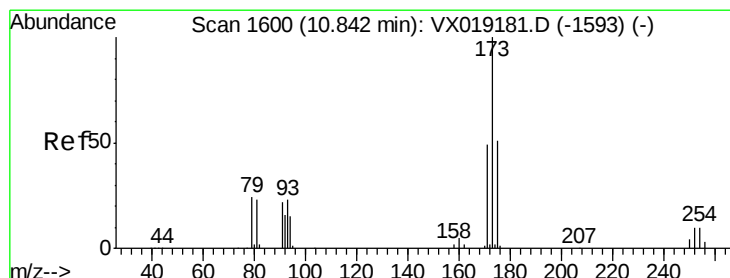
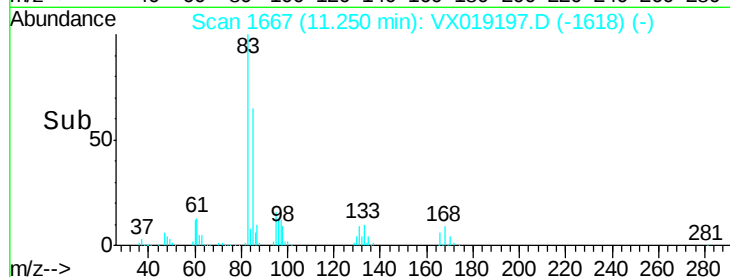
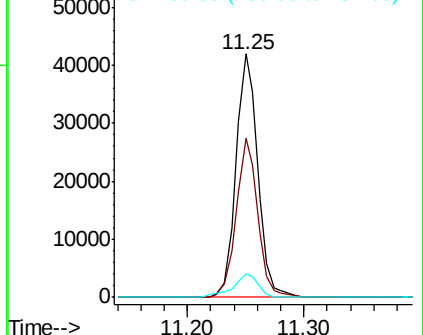
131 9.4 7.7 11.5



Abundance Ion 82.95 (82.65 to 83.65): VX0

Ion 85.00 (84.70 to 85.70): VX0

Ion 130.95 (130.65 to 131.65): V



#59

Bromoform

Concen: 5.085 ug/L

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX019197.D

Acq: 30 Oct 2020 10:01

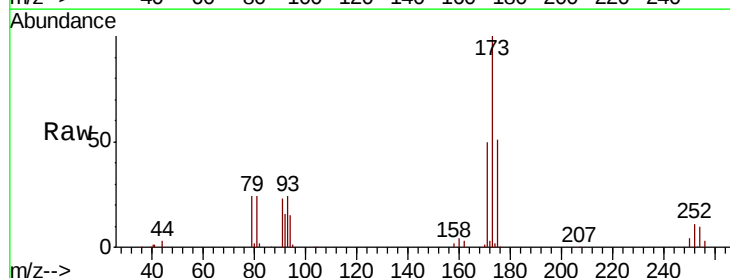
Tgt Ion: 173 Resp: 29779

Ion Ratio Lower Upper

173 100

175 47.6 38.6 57.8

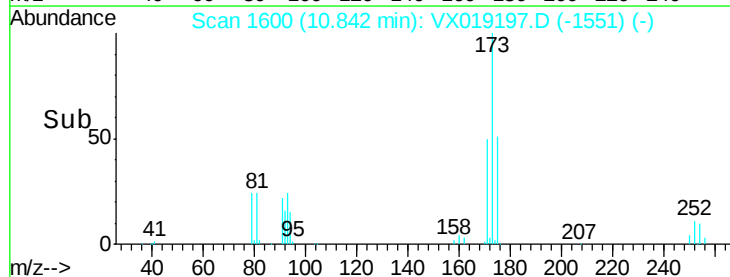
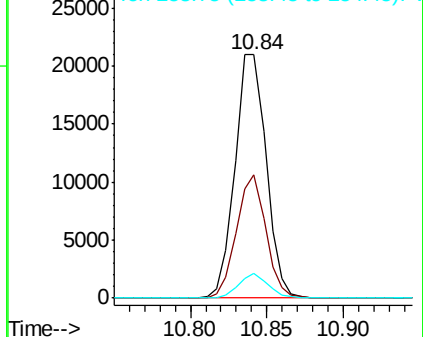
254 9.6 7.4 11.0

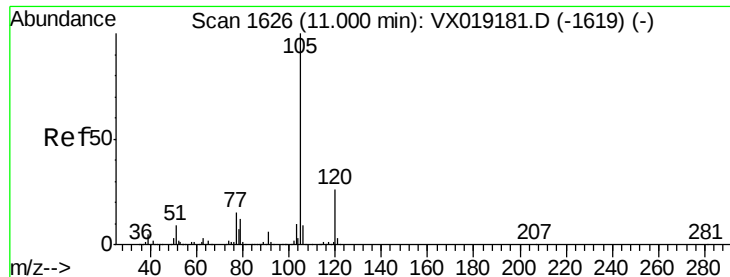


Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V





#60

Isopropylbenzene

Concen: 5.081 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX019197.D

Acq: 30 Oct 2020 10:01

Instrument :

MSVOA_X

ClientSampled :

VSTD005311

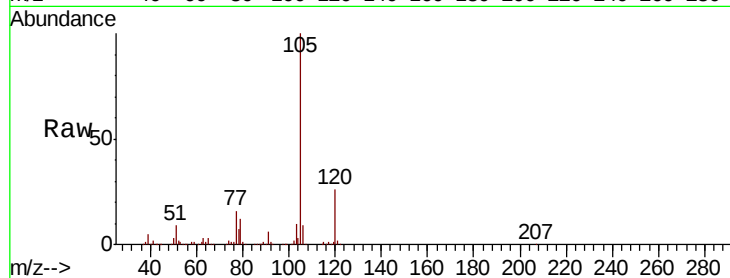
Tot Ion:105 Resp: 332966

Ion Ratio Lower Upper

105 100

120 26.3 21.4 32.2

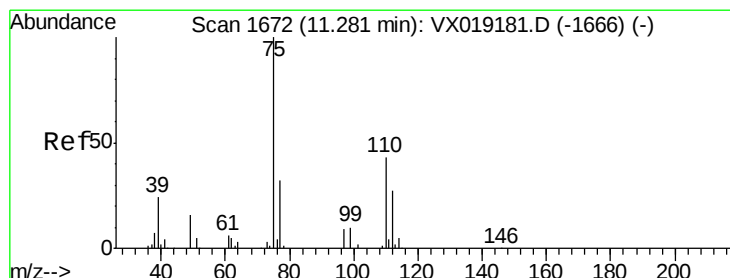
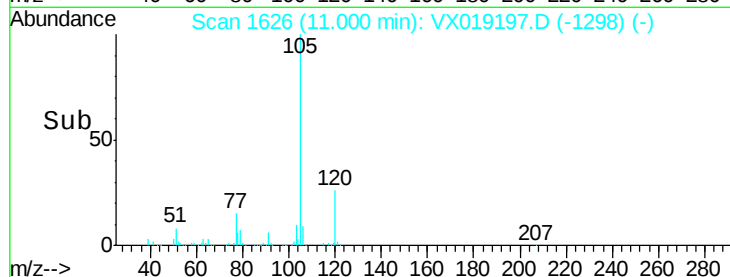
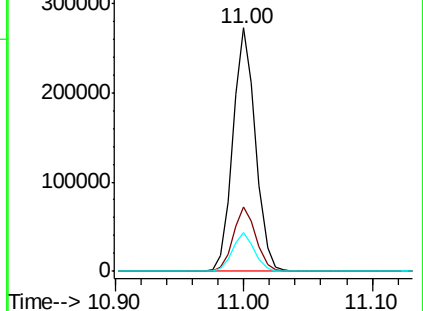
77 15.6 12.9 19.3



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: 5.177 ug/L

RT: 11.28 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VX019197.D

Acq: 30 Oct 2020 10:01

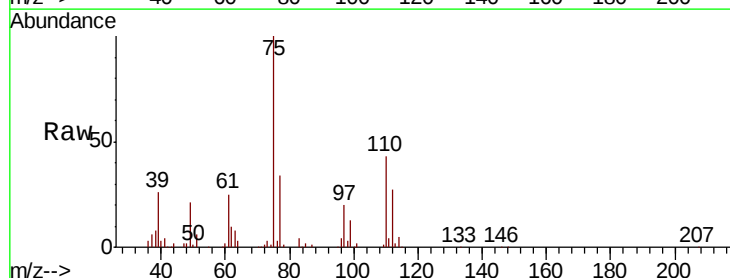
Tgt Ion: 75 Resp: 41439

Ion Ratio Lower Upper

75 100

77 32.3 25.6 38.4

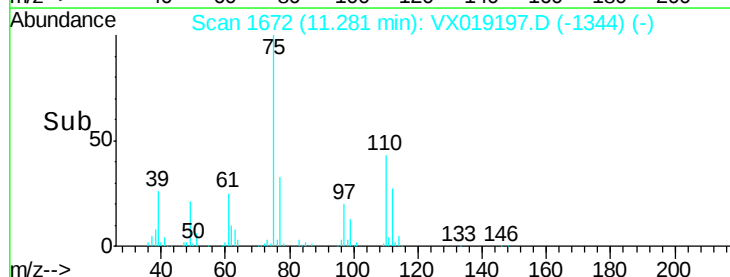
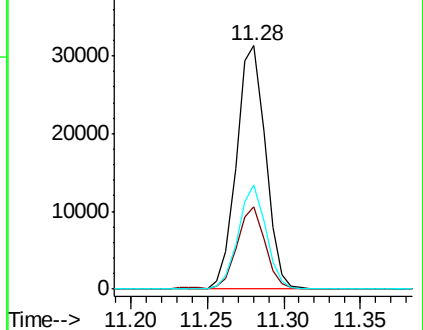
110 40.6 32.4 48.6

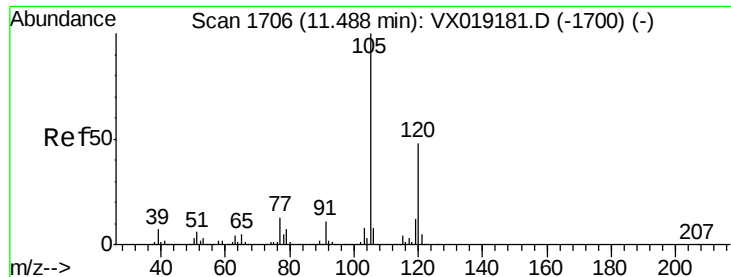


Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 110.00 (109.70 to 110.70): V





#62

1,3,5-Trimethylbenzene

Concen: 5.135 ug/L

RT: 11.49 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VX019197.D

Acq: 30 Oct 2020 10:01

Instrument :

MSVOA_X

ClientSampled :

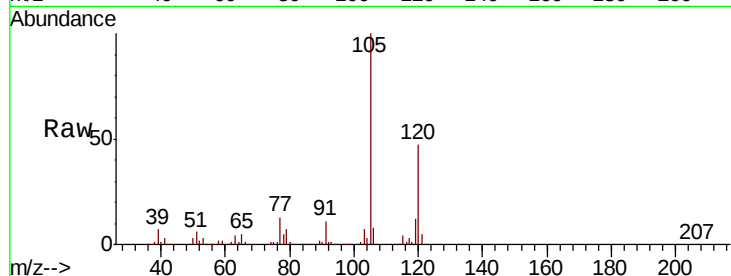
VSTD005311

Tot Ion:105 Resp: 281731

Ion Ratio Lower Upper

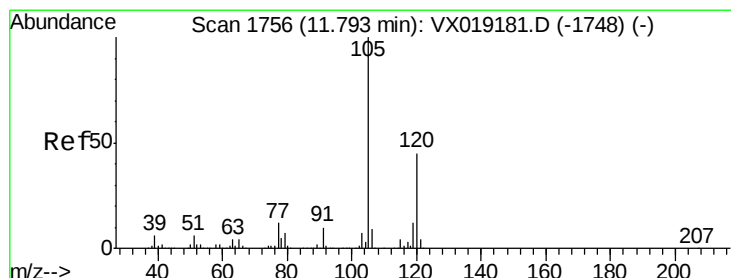
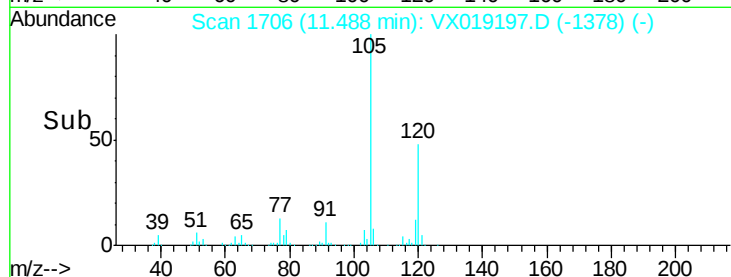
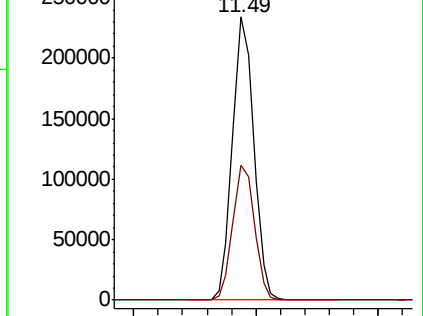
105 100

120 48.5 38.9 58.3



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: 5.159 ug/L

RT: 11.79 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VX019197.D

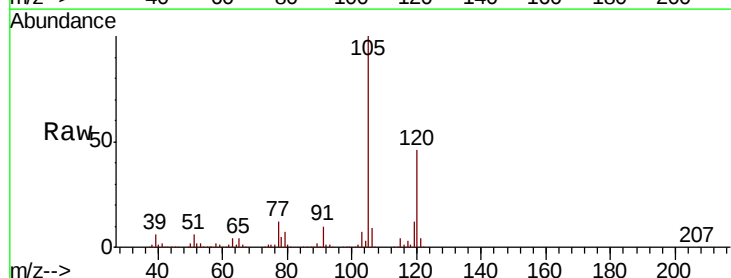
Acq: 30 Oct 2020 10:01

Tgt Ion:105 Resp: 286973

Ion Ratio Lower Upper

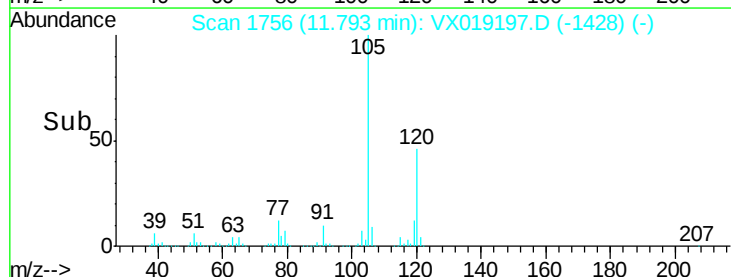
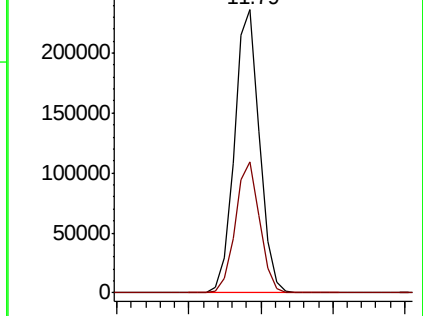
105 100

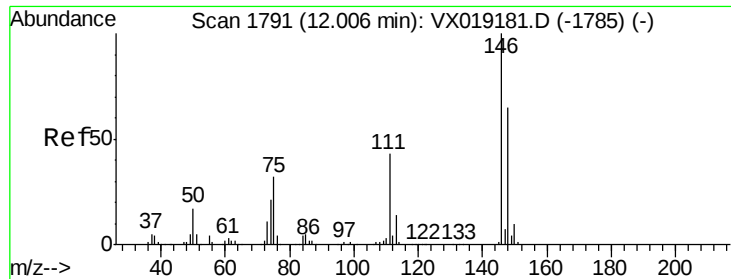
120 45.1 36.1 54.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

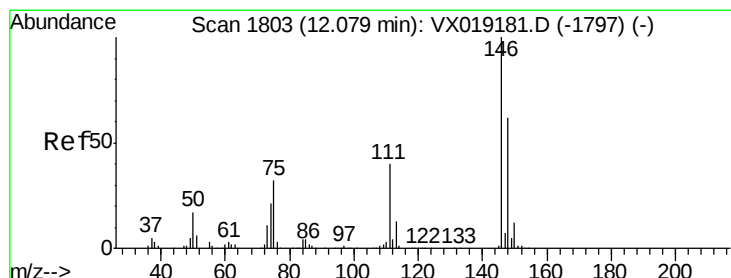
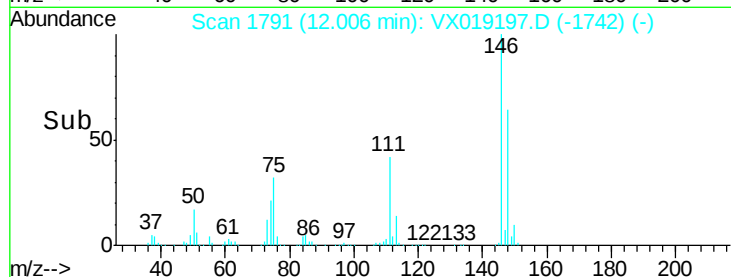
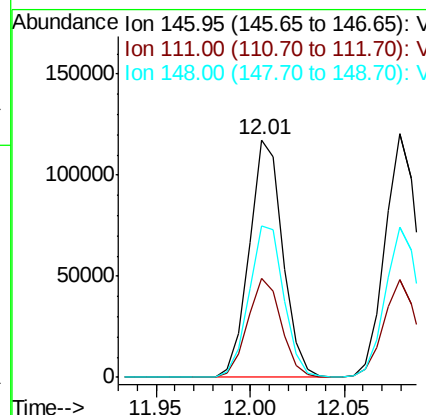
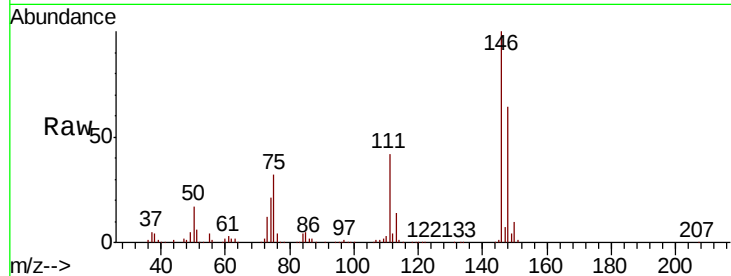




#64
 1,3-Dichlorobenzene
 Concen: 4.975 ug/L
 RT: 12.01 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX019197.D
 Acq: 30 Oct 2020 10:01

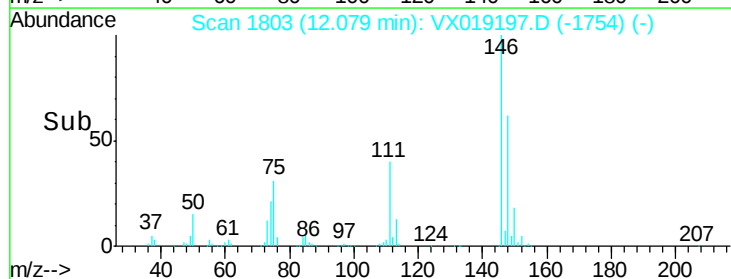
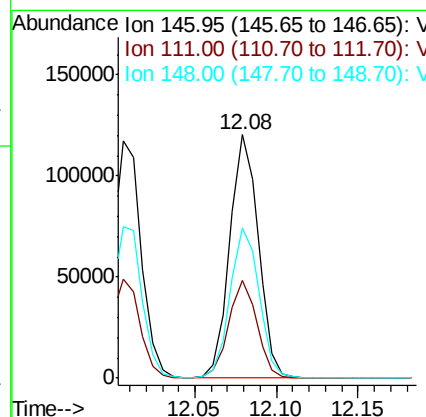
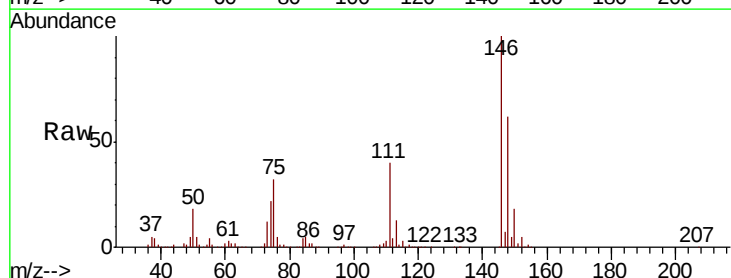
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005311

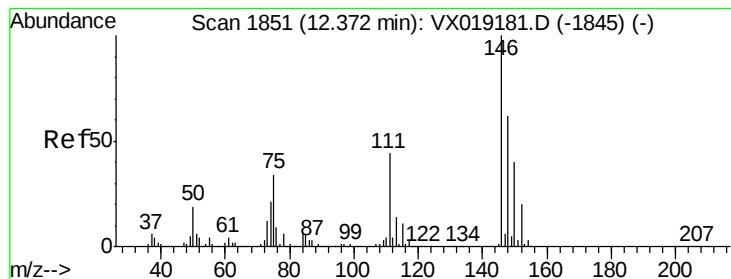
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	27.3	50.7
148	63.6	45.4	84.2



#65
 1,4-Dichlorobenzene
 Concen: 5.038 ug/L
 RT: 12.08 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VX019197.D
 Acq: 30 Oct 2020 10:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	28.1	52.3
148	61.6	44.5	82.7





#67

1,2-Dichlorobenzene

Concen: 5.073 ug/L

RT: 12.37 min Scan# 1851

Delta R.T. 0.00 min

Lab File: VX019197.D

Acq: 30 Oct 2020 10:01

Instrument :

MSVOA_X

ClientSampled :

VSTD005311

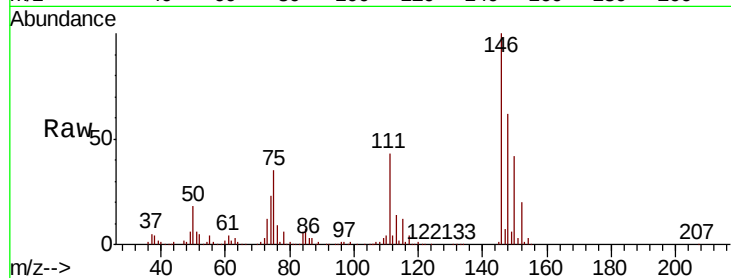
Tot Ion:146 Resp: 135738

Ion Ratio Lower Upper

146 100

111 43.2 32.6 49.0

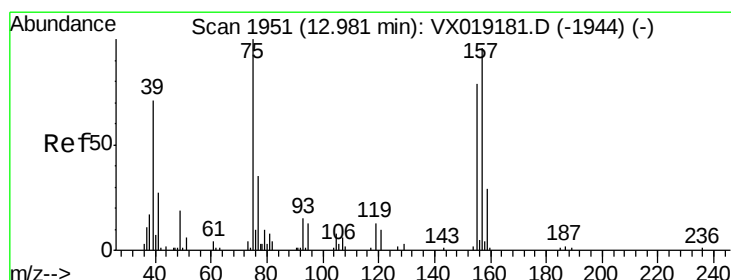
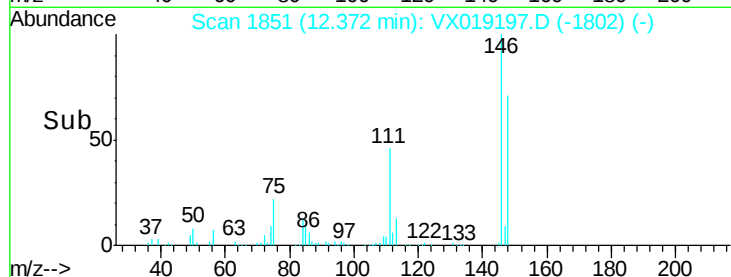
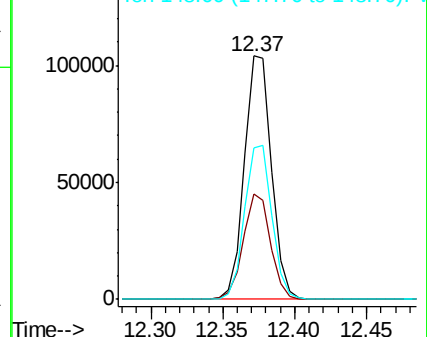
148 62.2 49.4 74.2



Abundance Ion 145.95 (145.65 to 146.65): 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: 4.921 ug/L

RT: 12.98 min Scan# 1951

Delta R.T. 0.00 min

Lab File: VX019197.D

Acq: 30 Oct 2020 10:01

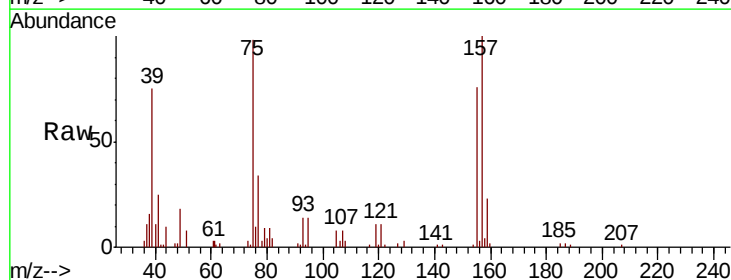
Tgt Ion: 75 Resp: 9008

Ion Ratio Lower Upper

75 100

155 78.0 62.9 94.3

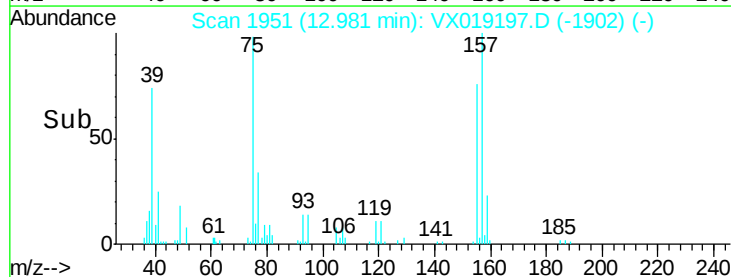
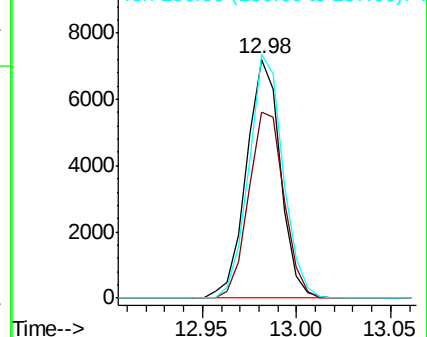
157 102.1 77.5 116.3

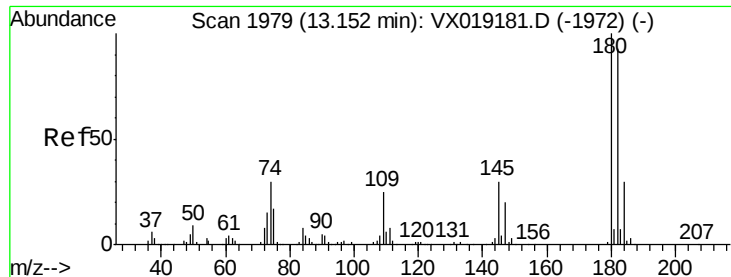


Abundance Ion 75.05 (74.75 to 75.75): VX0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

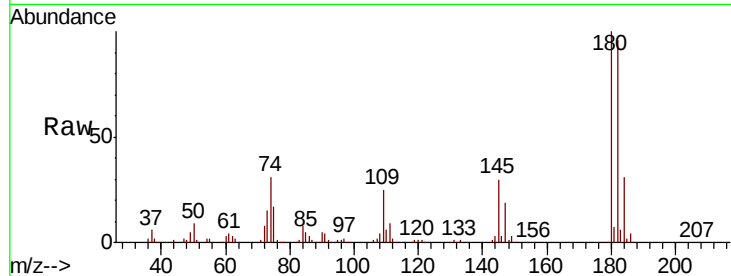




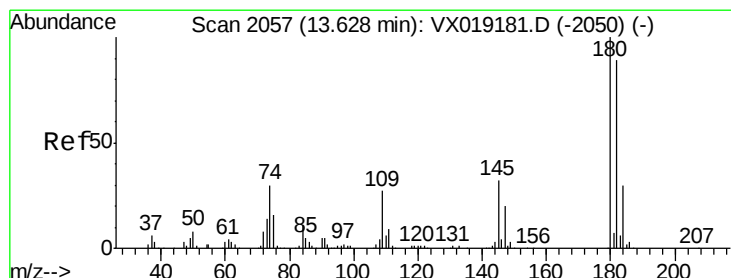
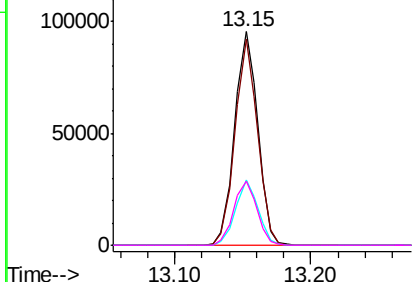
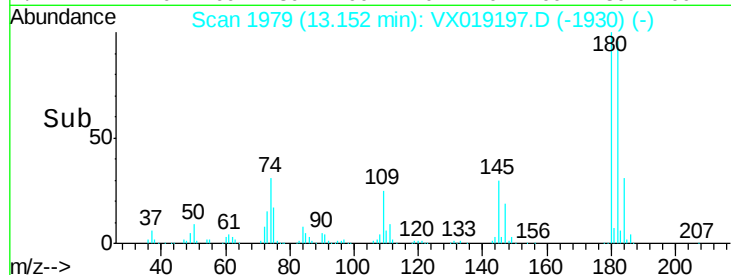
#69
 1,3,5-Trichlorobenzene
 Concen: 5.259 ug/L
 RT: 13.15 min Scan# 1979
 Delta R.T. 0.00 min
 Lab File: VX019197.D
 Acq: 30 Oct 2020 10:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005311

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	74.1	111.1
184	29.8	24.4	36.6
145	30.4	24.9	37.3

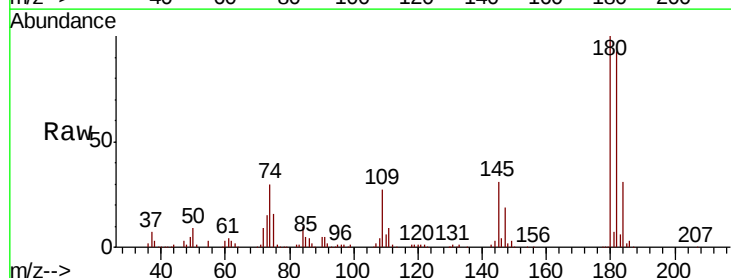


Abundance Ion 180.00 (179.70 to 180.70): V
 150000
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

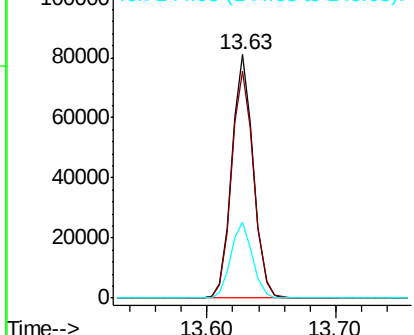
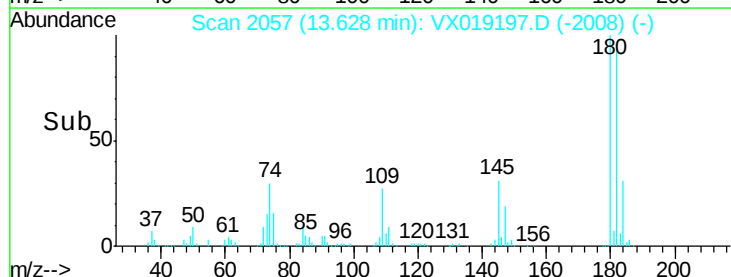


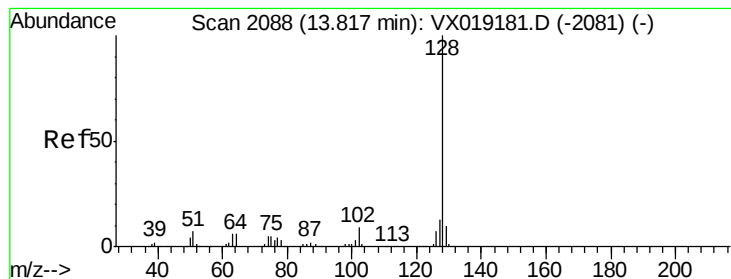
#70
 1,2,4-trichlorobenzene
 Concen: 5.074 ug/L
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX019197.D
 Acq: 30 Oct 2020 10:01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	77.8	116.6
145	31.4	25.0	37.4



Abundance Ion 179.90 (179.60 to 180.60): V
 100000
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#71

Naphthalene

Concen: 5.083 ug/L

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX019197.D

Acq: 30 Oct 2020 10:01

Instrument :

MSVOA_X

ClientSampleId :

VSTD005311

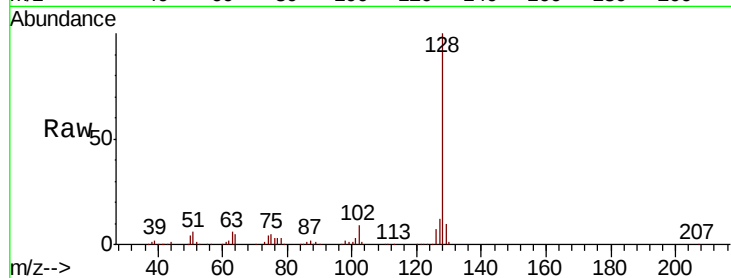
Tot Ion:128 Resp: 170483

Ion Ratio Lower Upper

128 100

129 10.6 8.6 13.0

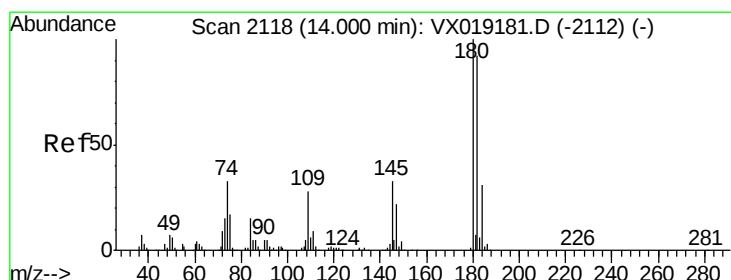
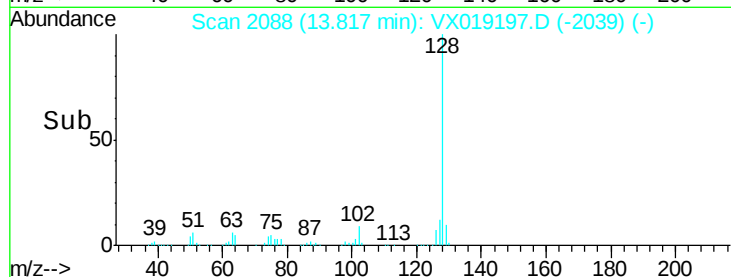
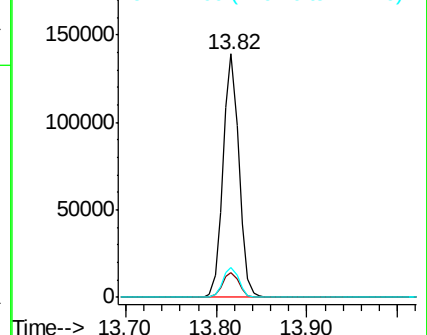
127 12.6 10.1 15.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#72

1,2,3-Trichlorobenzene

Concen: 5.020 ug/L

RT: 14.01 min Scan# 2119

Delta R.T. 0.01 min

Lab File: VX019197.D

Acq: 30 Oct 2020 10:01

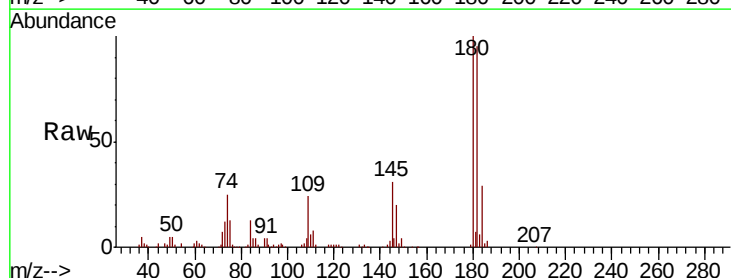
Tgt Ion:180 Resp: 82600

Ion Ratio Lower Upper

180 100

182 96.9 77.0 115.4

145 34.6 27.8 41.6



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

