

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100520\
 Data File : VX018787.D
 Acq On : 06 Oct 2020 00:42
 Operator : JC/SP
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD00594

Quant Time: Oct 06 06:07:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 06 05:58:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	134347	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	127801	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	66432	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	33601	4.28	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.60%
7) Chloroethane-d5	1.70	69	29845	4.86	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.20%
11) 1,1-Dichloroethene-d2	2.34	63	74763	4.22	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.40%
20) 2-Butanone-d5	4.56	46	115986	56.35	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.70%
24) Chloroform-d	5.13	84	88273	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.00%
26) 1,2-Dichloroethane-d4	6.03	65	51839	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.40%
32) Benzene-d6	6.05	84	155806	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.20%
36) 1,2-Dichloropropane-d6	7.37	67	47924	5.22	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.40%
41) Toluene-d8	8.70	98	143865	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.80%
45) trans-1,3-Dichloropropene-	8.99	79	21858	4.42	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.40%
48) 2-Hexanone-d5	9.43	63	96544	58.31	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	116.62%
59) 1,1,2,2-Tetrachloroethane-	11.23	84	40031	5.36	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.20%
65) 1,2-Dichlorobenzene-d4	12.36	152	58444	4.77	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	39998	4.435	ug/L 98
3) Chloromethane	1.31	50	33850	5.209	ug/L 97
5) Vinyl chloride	1.39	62	36389	5.020	ug/L 98
6) Bromomethane	1.64	94	19977	4.651	ug/L 99
8) Chloroethane	1.71	64	22969	5.224	ug/L 94
9) Trichlorofluoromethane	1.92	101	67616	4.371	ug/L 96
10) 1,1,2-Trichloro-1,2,2-trif	2.36	101	35608	4.720	ug/L 98
12) 1,1-Dichloroethene	2.35	96	33936	5.071	ug/L 82
13) Acetone	2.46	43	54651	48.629	ug/L 96
14) Carbon disulfide	2.55	76	101319	4.838	ug/L 98
15) Methyl Acetate	2.76	43	14023	5.077	ug/L 97
16) Methylene chloride	2.84	84	36432	4.490	ug/L 92
17) Methyl tert-butyl Ether	3.17	73	84496	4.895	ug/L 98
18) trans-1,2-Dichloroethene	3.14	96	35183	4.910	ug/L 98
19) 1,1-Dichloroethane	3.67	63	65550	5.146	ug/L 97
21) 2-Butanone	4.67	43	88307	53.976	ug/L 96
22) cis-1,2-Dichloroethene	4.57	96	36981	5.004	ug/L 96

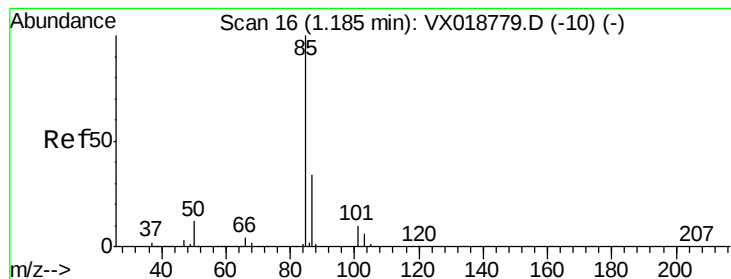
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100520\
 Data File : VX018787.D
 Acq On : 06 Oct 2020 00:42
 Operator : JC/SP
 Sample : VSTDCCC005EC
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Quant Time: Oct 06 06:07:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 06 05:58:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.98	128	18122	4.837	ug/L	90
25) Chloroform	5.18	83	69681	4.787	ug/L	96
27) 1,2-Dichloroethane	6.16	62	48069	4.545	ug/L #	95
29) 1,1,1-Trichloroethane	5.46	97	68680	4.543	ug/L	99
30) Cyclohexane	5.55	56	53074	5.061	ug/L	98
31) Carbon tetrachloride	5.76	117	62473	4.480	ug/L	95
33) Benzene	6.11	78	142064	5.308	ug/L	100
34) Trichloroethene	7.18	95	39261	4.969	ug/L	98
35) Methylcyclohexane	7.44	83	54166	4.838	ug/L	97
37) 1,2-Dichloropropane	7.49	63	34935	5.211	ug/L	100
38) Bromodichloromethane	7.88	83	49713	4.649	ug/L	96
39) cis-1,3-Dichloropropene	8.41	75	51658	4.827	ug/L	96
40) 4-Methyl-2-pentanone	8.62	43	211573	54.471	ug/L	100
42) Toluene	8.76	91	155586	5.313	ug/L	97
43) 1,3,5-Trimethylbenzene	11.49	105	134860	4.866	ug/L	97
44) 1,2,4-Trimethylbenzene	11.79	105	140215	4.984	ug/L	97
46) trans-1,3-Dichloropropene	9.02	75	47144	4.771	ug/L	93
47) 1,1,2-Trichloroethane	9.20	97	26539	5.245	ug/L	95
49) Tetrachloroethene	9.32	164	33580	4.861	ug/L	92
50) 2-Hexanone	9.48	43	155068	54.969	ug/L	97
51) Dibromochloromethane	9.57	129	35208	4.788	ug/L	96
52) 1,2-Dibromoethane	9.65	107	25213	4.929	ug/L #	97
53) Chlorobenzene	10.12	112	102307	5.107	ug/L	98
54) Ethylbenzene	10.24	91	166694	5.078	ug/L	94
55) m,p-xylene	10.34	106	63518	4.960	ug/L	99
56) o-xylene	10.68	106	61261	5.177	ug/L	96
57) Styrene	10.69	104	105482	5.225	ug/L	92
58) Isopropylbenzene	11.00	105	170280	5.140	ug/L	96
60) 1,1,2,2-Tetrachloroethane	11.25	83	30253	5.394	ug/L #	93
62) Bromoform	10.84	173	20240	4.610	ug/L	97
63) 1,3-Dichlorobenzene	12.01	146	83950	5.199	ug/L	97
64) 1,4-Dichlorobenzene	12.08	146	82097	5.098	ug/L	95
66) 1,2-Dichlorobenzene	12.38	146	74562	4.946	ug/L	97
67) 1,2-Dibromo-3-chloropropan	12.98	75	5717	4.450	ug/L	94
68) 1,3,5-Trichlorobenzene	13.15	180	58197	4.683	ug/L	97
69) 1,2,4-trichlorobenzene	13.63	180	48609	4.711	ug/L	99
70) Naphthalene	13.82	128	83161	4.931	ug/L	100
71) 1,2,3-Trichlorobenzene	14.00	180	44745	4.820	ug/L	96

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



#2

Dichlorodifluoromethane

Concen: 4.435 ug/L

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX018787.D

Acq: 06 Oct 2020 00:42

Instrument :

MSVOA_X

ClientSampleId :

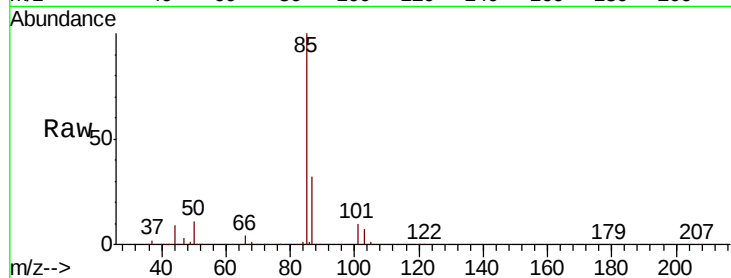
VSTD00594

Tot Ion: 85 Resp: 39998

Ion Ratio Lower Upper

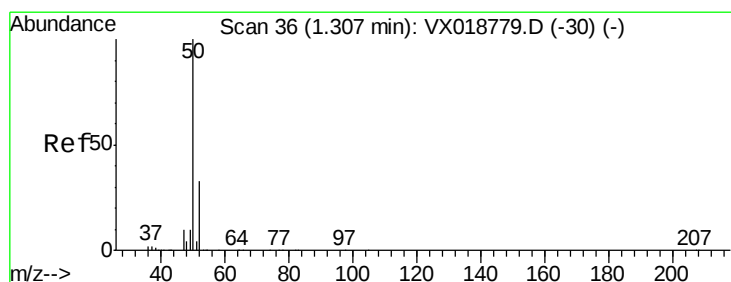
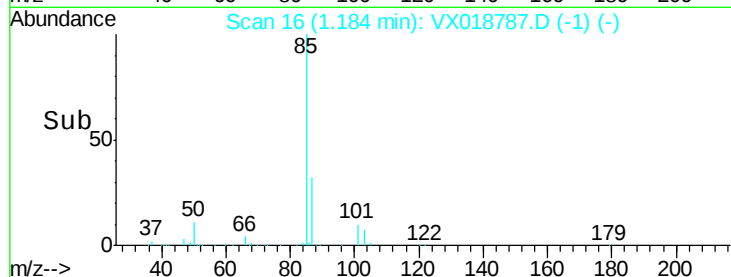
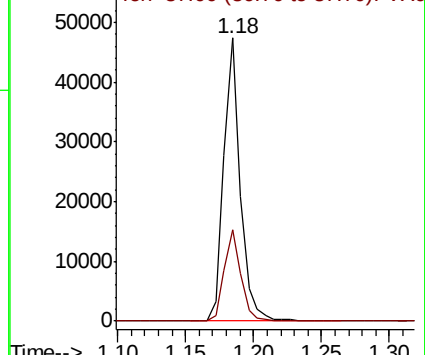
85 100

87 32.6 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#3

Chloromethane

Concen: 5.209 ug/L

RT: 1.31 min Scan# 37

Delta R.T. 0.01 min

Lab File: VX018787.D

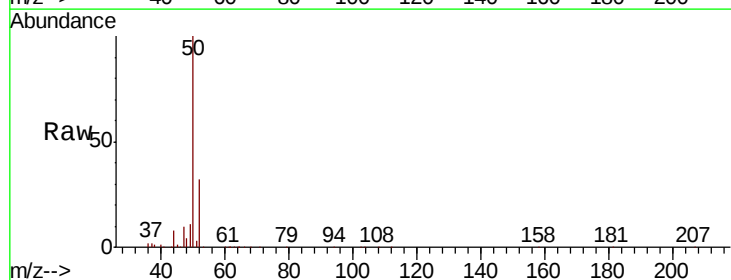
Acq: 06 Oct 2020 00:42

Tgt Ion: 50 Resp: 33850

Ion Ratio Lower Upper

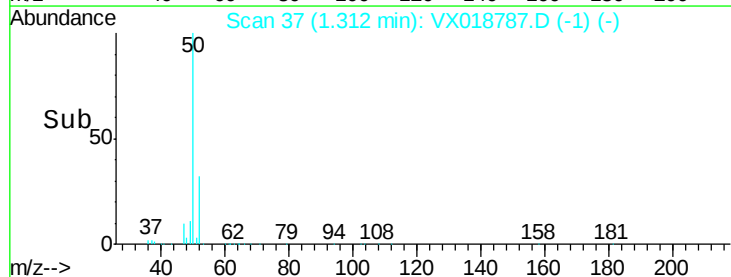
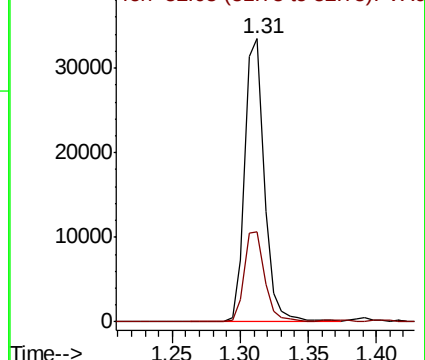
50 100

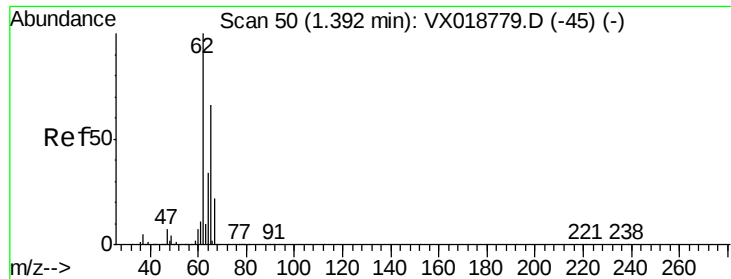
52 31.7 23.4 43.6



Abundance Ion 50.05 (49.75 to 50.75): VX0

Ion 52.05 (51.75 to 52.75): VX0





#5

Vinyl chloride

Concen: 5.020 ug/L

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX018787.D

Acq: 06 Oct 2020 00:42

Instrument :

MSVOA_X

ClientSampleId :

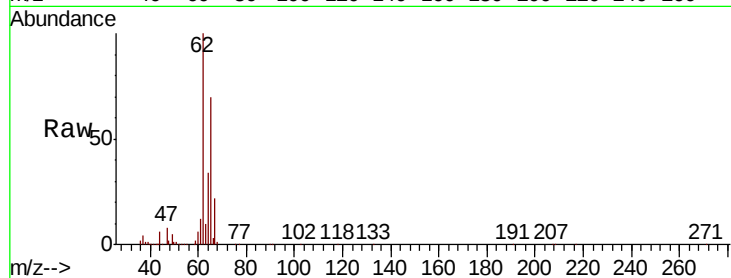
VSTD00594

Tot Ion: 62 Resp: 36389

Ion Ratio Lower Upper

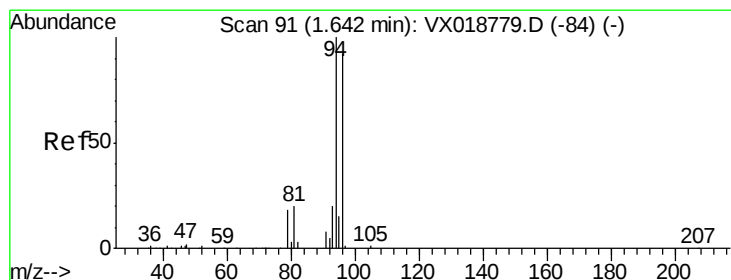
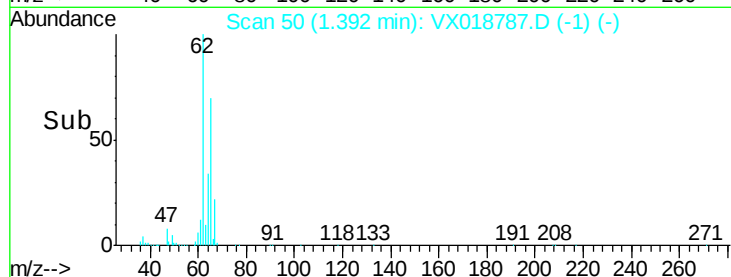
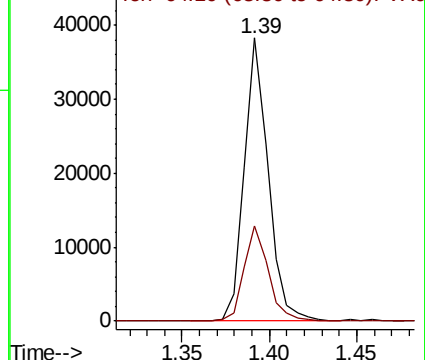
62 100

64 33.6 24.3 45.1



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.10 (63.80 to 64.80): VX0



#6

Bromomethane

Concen: 4.651 ug/L

RT: 1.64 min Scan# 91

Delta R.T. -0.00 min

Lab File: VX018787.D

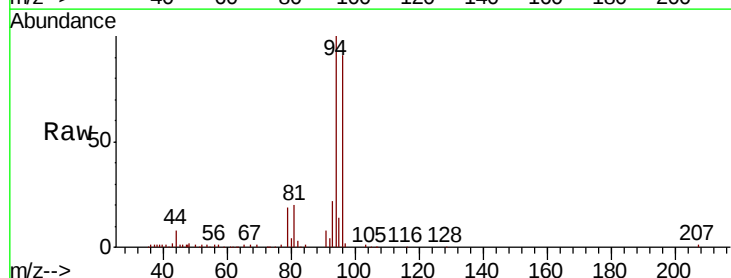
Acq: 06 Oct 2020 00:42

Tgt Ion: 94 Resp: 19977

Ion Ratio Lower Upper

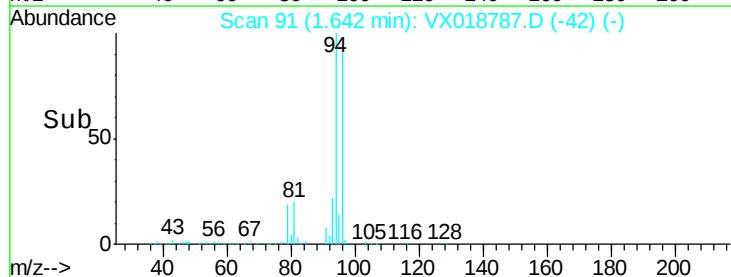
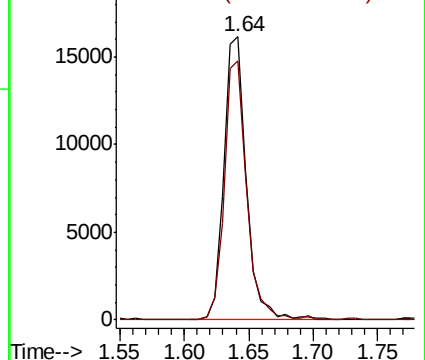
94 100

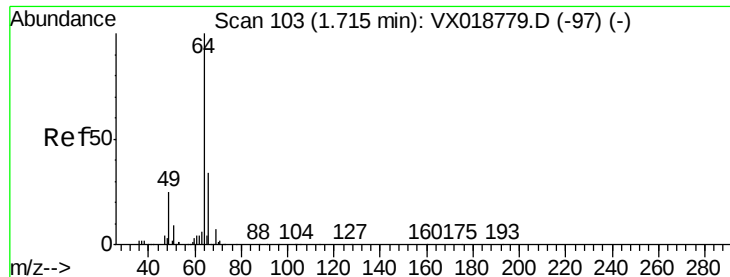
96 91.4 63.5 117.9



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0

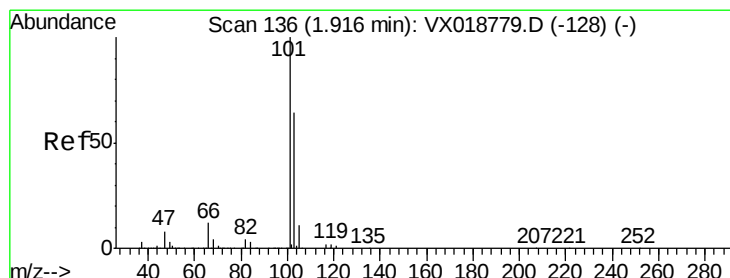
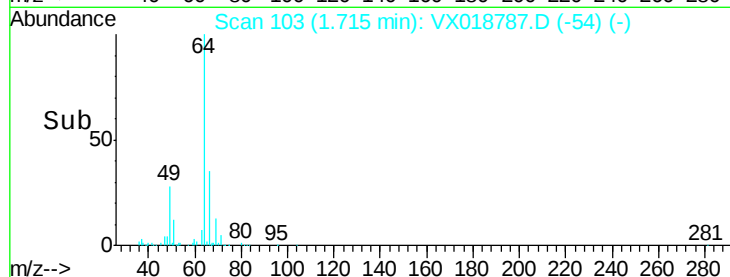
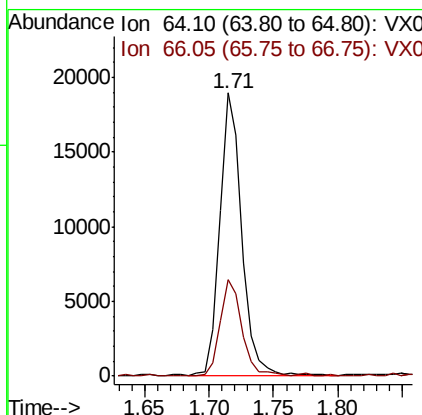
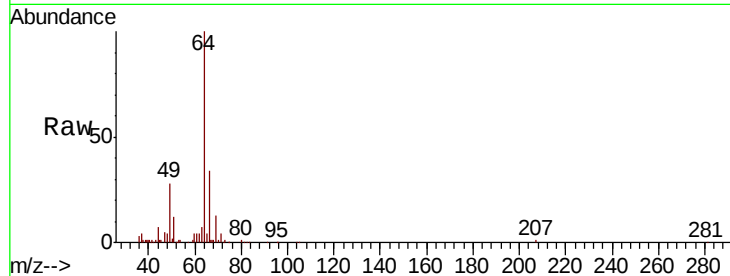




#8
Chloroethane
Concen: 5.224 ug/L
RT: 1.71 min Scan# 103
Delta R.T. -0.00 min
Lab File: VX018787.D
Acq: 06 Oct 2020 00:42

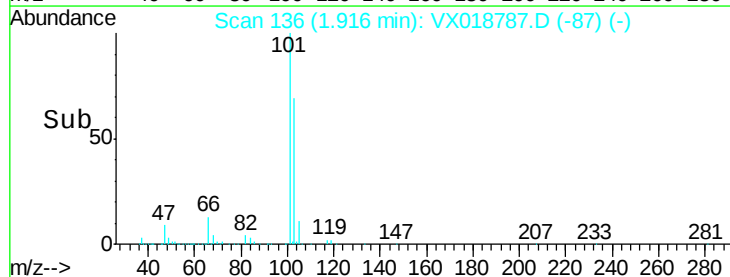
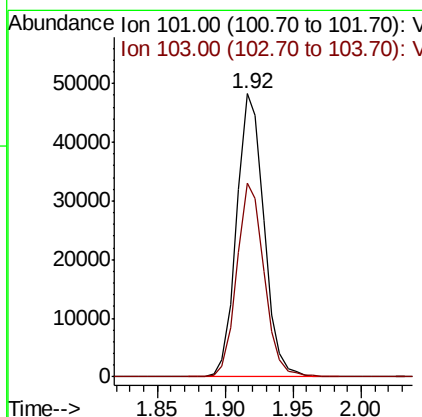
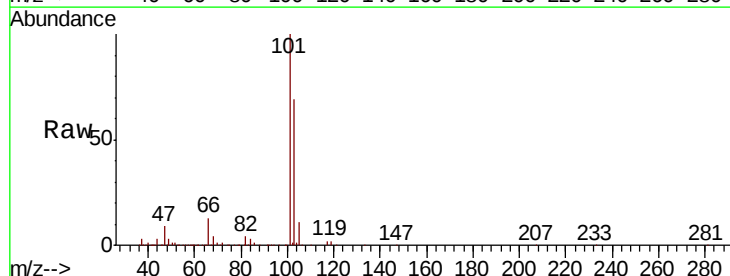
Instrument :
MSVOA_X
ClientSampleId :
VSTD00594

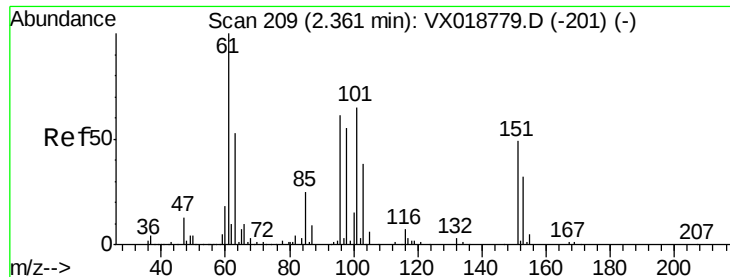
Tot Ion: 64 Resp: 22969
Ion Ratio Lower Upper
64 100
66 34.0 21.5 39.9



#9
Trichlorofluoromethane
Concen: 4.371 ug/L
RT: 1.92 min Scan# 136
Delta R.T. -0.00 min
Lab File: VX018787.D
Acq: 06 Oct 2020 00:42

Tgt Ion:101 Resp: 67616
Ion Ratio Lower Upper
101 100
103 68.5 52.2 78.4





#10

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

Concen: 4.720 ug/L

RT: 2.36 min Scan# 209

Delta R.T. -0.00 min

Lab File: VX018787.D

Acq: 06 Oct 2020 00:42

Instrument :

MSVOA_X

ClientSampleID :

VSTD00594

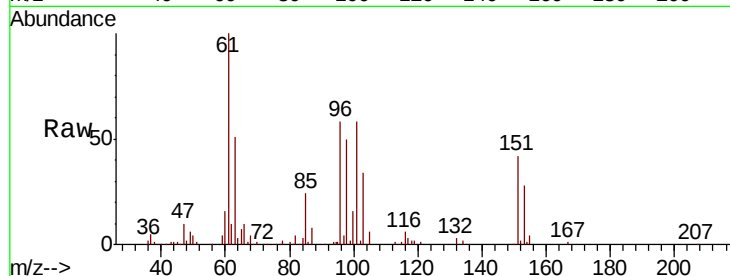
Tot Ion:101 Resp: 35608

Ion Ratio Lower Upper

101 100

85 42.9 37.1 55.7

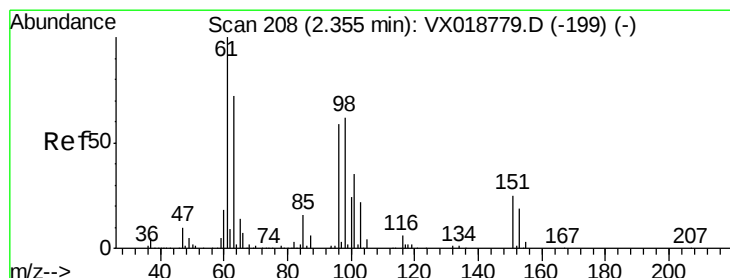
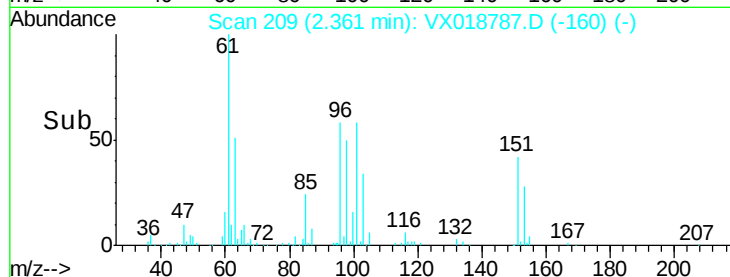
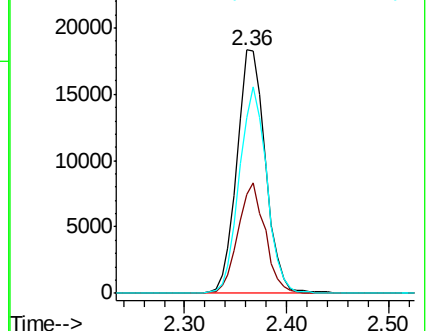
151 81.4 65.0 97.6



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: 5.071 ug/L

RT: 2.35 min Scan# 208

Delta R.T. -0.00 min

Lab File: VX018787.D

Acq: 06 Oct 2020 00:42

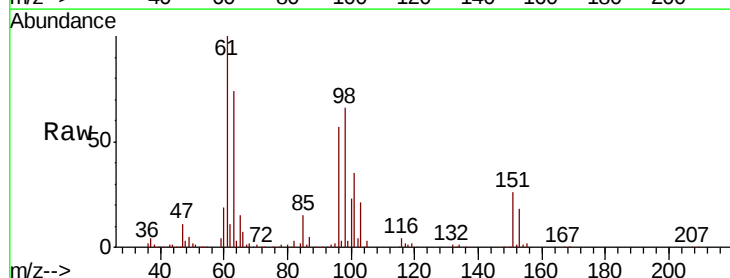
Tgt Ion: 96 Resp: 33936

Ion Ratio Lower Upper

96 100

61 173.9 133.2 247.4

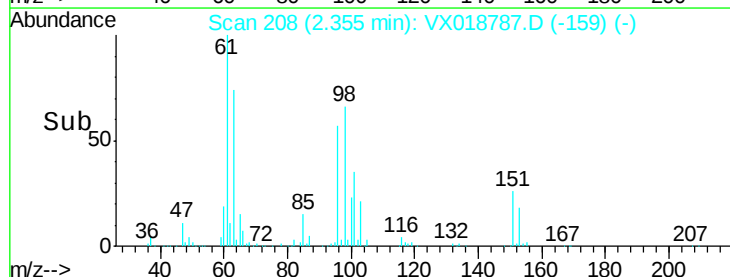
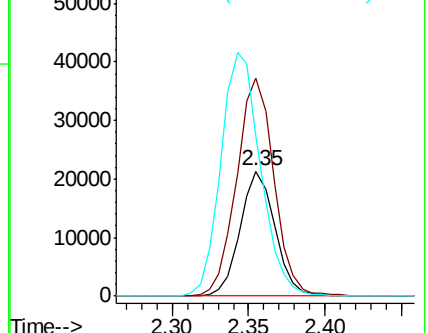
63 128.4 115.1 213.7

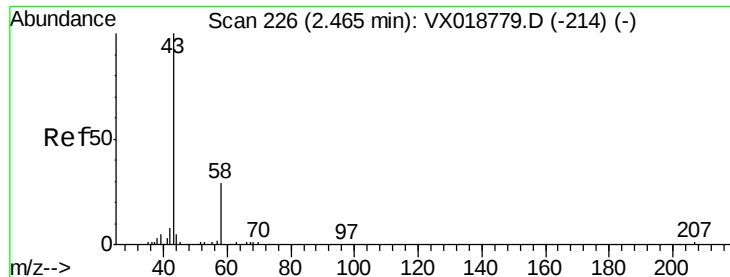


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.05 (60.75 to 61.75): VX0

Ion 63.00 (62.70 to 63.70): VX0





#13

Acetone

Concen: 48.629 ug/L

RT: 2.46 min Scan# 225

Delta R.T. -0.01 min

Lab File: VX018787.D

Acq: 06 Oct 2020 00:42

Instrument :

MSVOA_X

ClientSampleId :

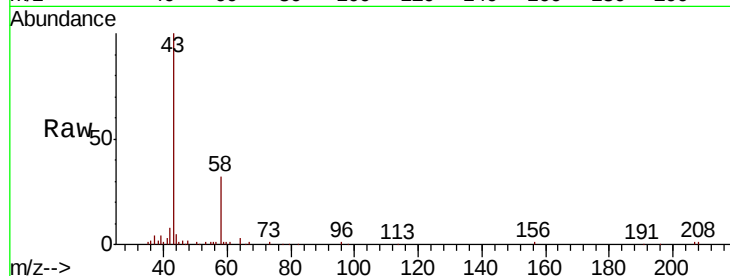
VSTD00594

Tot Ion: 43 Resp: 54651

Ion Ratio Lower Upper

43 100

58 30.1 0.0 56.4



Abundance Ion 43.05 (42.75 to 43.75): VX0

Ion 58.05 (57.75 to 58.75): VX0

15000

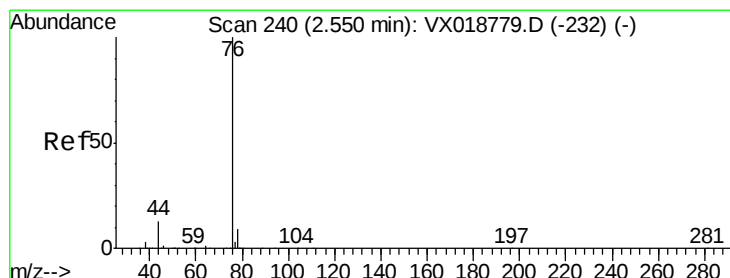
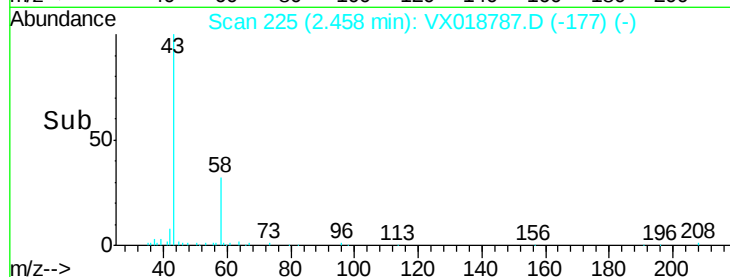
10000

5000

0

Time--> 2.30 2.40 2.50 2.60 2.70

2.46



#14

Carbon disulfide

Concen: 4.838 ug/L

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX018787.D

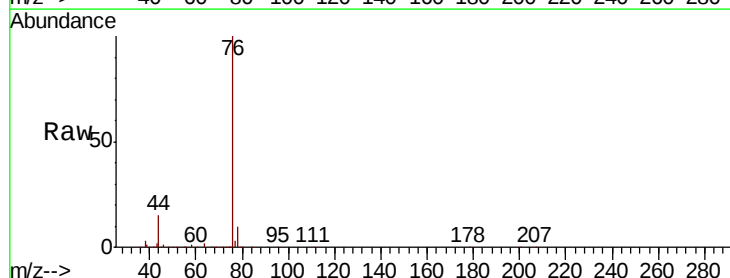
Acq: 06 Oct 2020 00:42

Tgt Ion: 76 Resp: 101319

Ion Ratio Lower Upper

76 100

78 10.0 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VX0

Ion 78.00 (77.70 to 78.70): VX0

60000

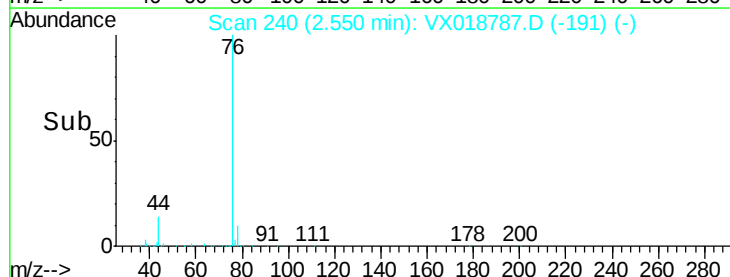
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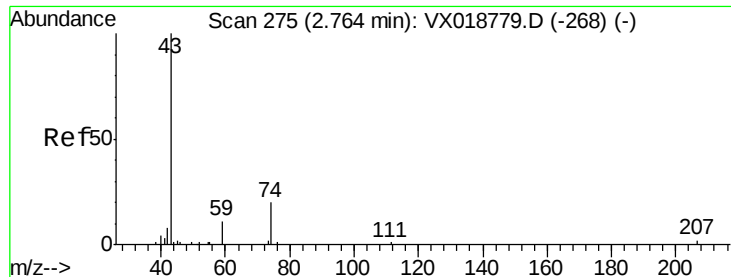
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0

Time--> 2.50 2.55 2.60 2.65

2.55

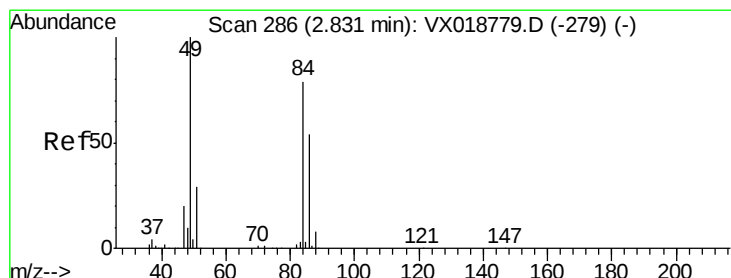
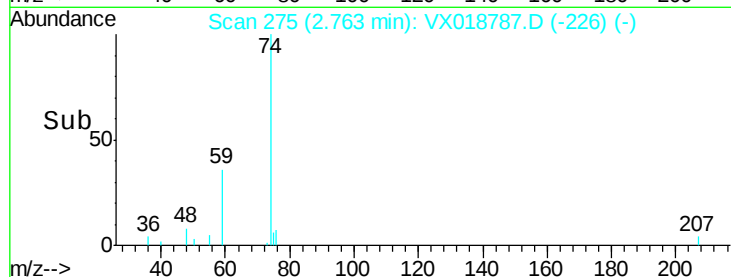
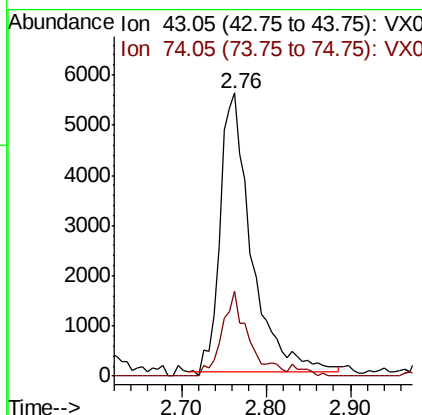
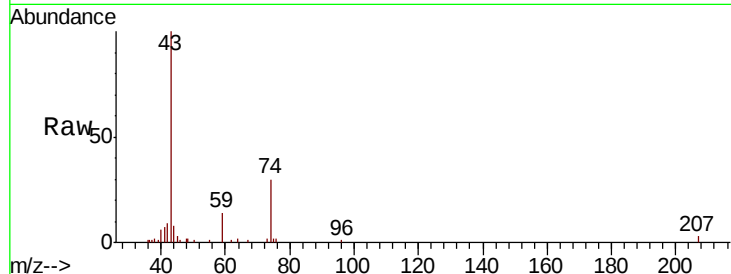




#15
Methvl Acetate
Concen: 5.077 ug/L
RT: 2.76 min Scan# 275
Delta R.T. -0.00 min
Lab File: VX018787.D
Acq: 06 Oct 2020 00:42

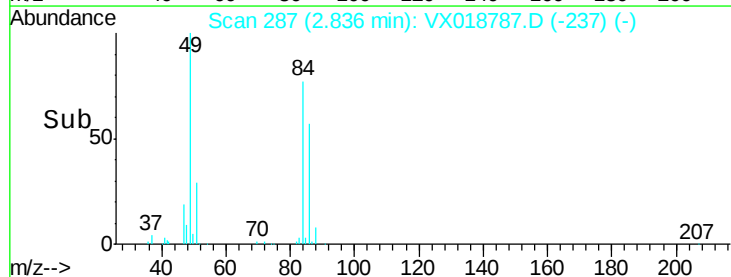
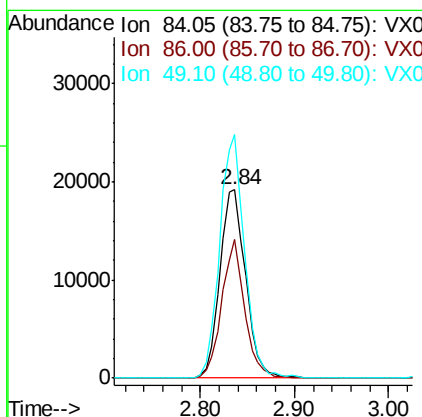
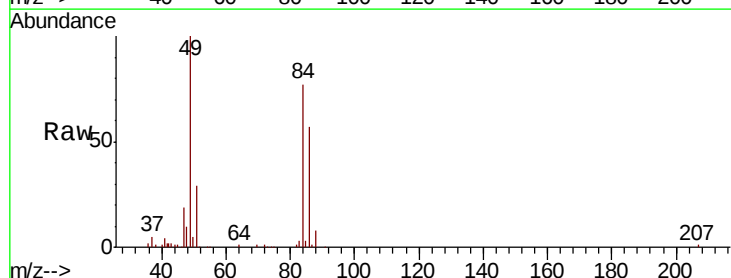
Instrument :
MSVOA_X
ClientSampleId :
VSTD00594

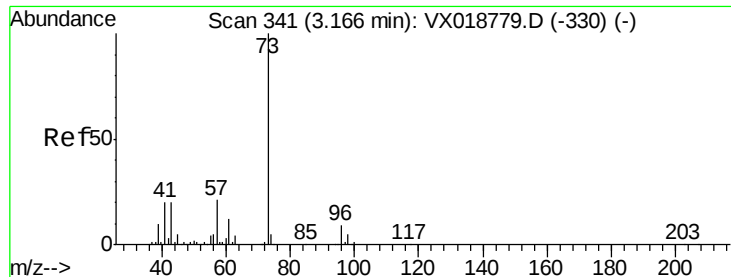
Tot Ion: 43 Resp: 14023
Ion Ratio Lower Upper
43 100
74 25.9 21.9 32.9



#16
Methylene chloride
Concen: 4.490 ug/L
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX018787.D
Acq: 06 Oct 2020 00:42

Tgt Ion: 84 Resp: 36432
Ion Ratio Lower Upper
84 100
86 73.6 45.6 84.8
49 129.1 85.8 159.3

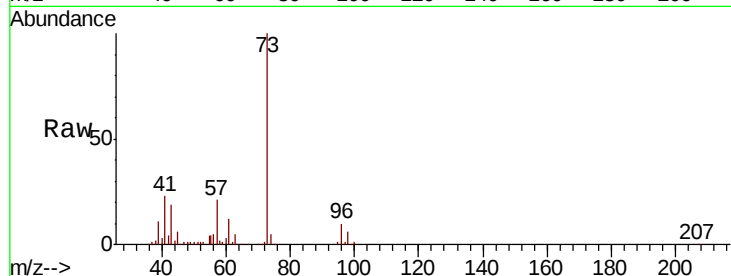




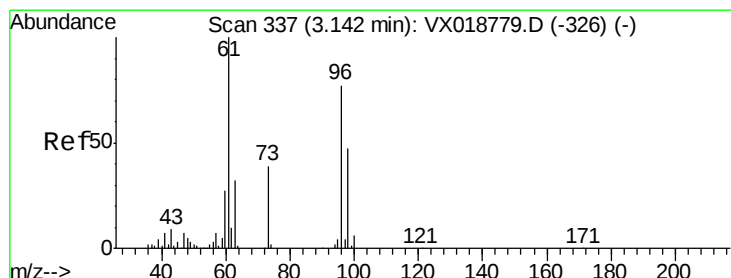
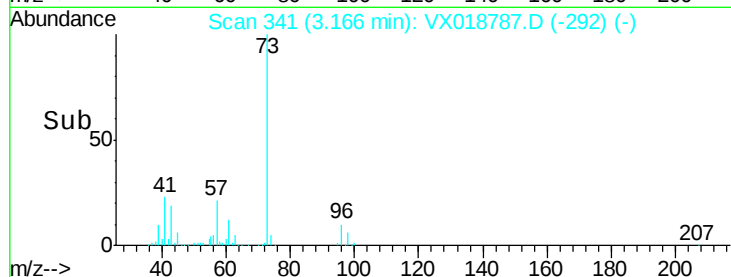
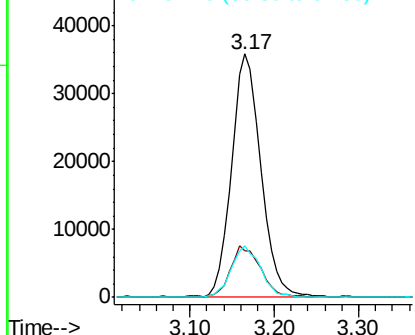
#17
Methvl tert-butvl Ether
Concen: 4.895 ug/L
RT: 3.17 min Scan# 341
Delta R.T. -0.00 min
Lab File: VX018787.D
Acq: 06 Oct 2020 00:42

Instrument :
MSVOA_X
ClientSampleId :
VSTD00594

Tot Ion	Ratio	Lower	Upper
73	100		
43	22.1	19.4	29.0
57	21.4	17.2	25.8

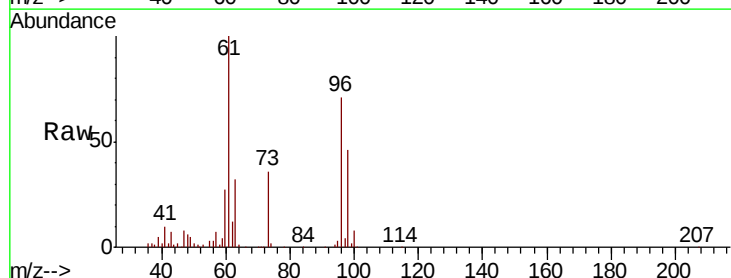


Abundance Ion 73.10 (72.80 to 73.80): VX0
Ion 43.05 (42.75 to 43.75): VX0
Ion 57.10 (56.80 to 57.80): VX0

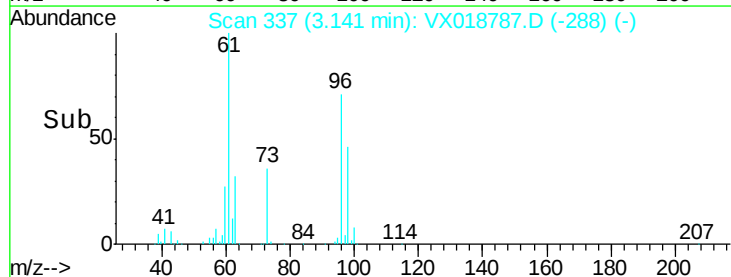
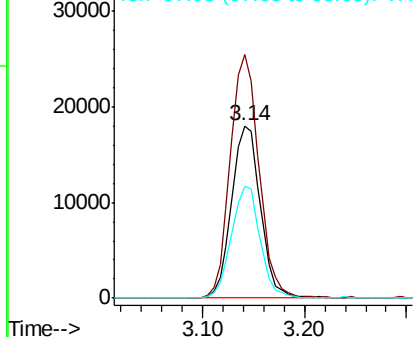


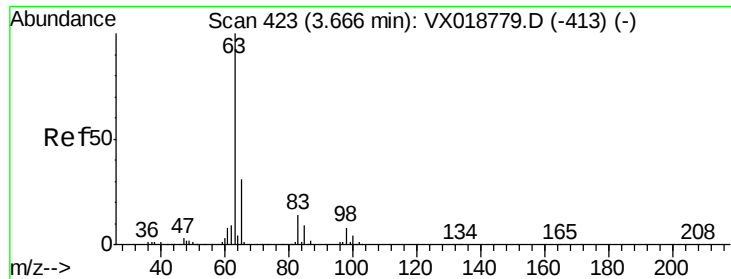
#18
trans-1,2-Dichloroethene
Concen: 4.910 ug/L
RT: 3.14 min Scan# 337
Delta R.T. -0.00 min
Lab File: VX018787.D
Acq: 06 Oct 2020 00:42

Tgt Ion	Ratio	Lower	Upper
96	100		
61	141.4	97.6	181.4
98	64.8	43.1	80.1



Abundance Ion 96.00 (95.70 to 96.70): VX0
Ion 61.05 (60.75 to 61.75): VX0
Ion 97.95 (97.65 to 98.65): VX0

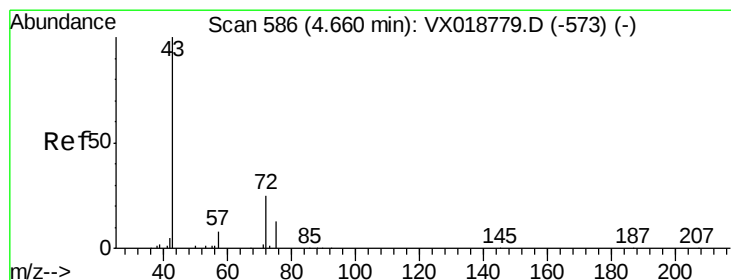
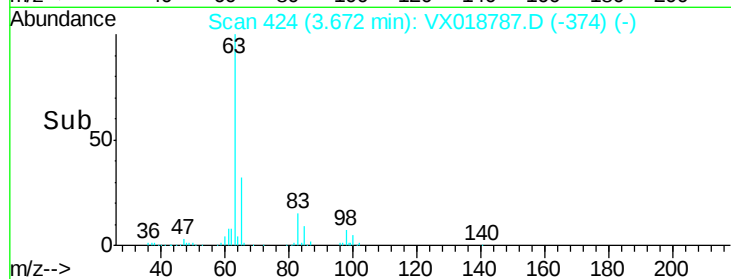
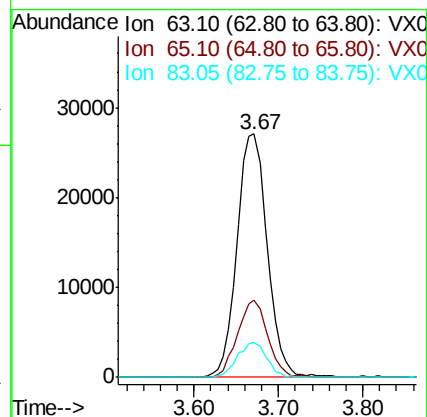
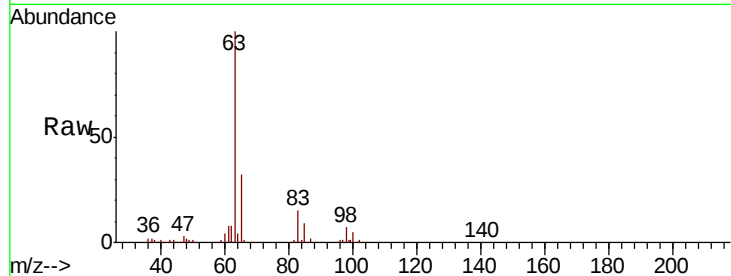




#19
 1,1-Dichloroethane
 Concen: 5.146 ug/L
 RT: 3.67 min Scan# 424
 Delta R.T. 0.01 min
 Lab File: VX018787.D
 Acq: 06 Oct 2020 00:42

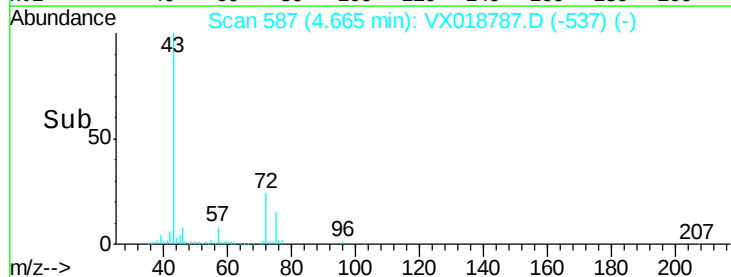
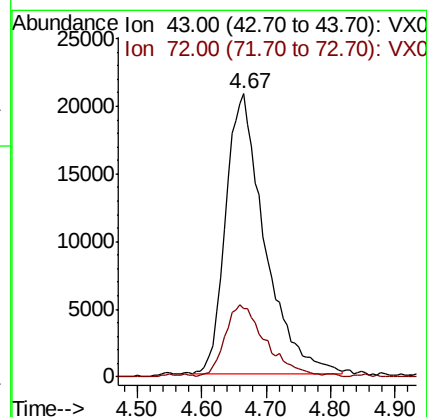
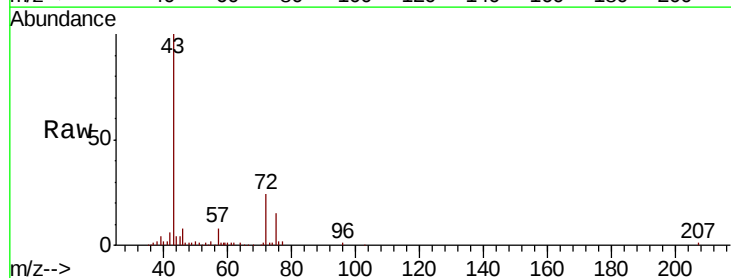
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD00594

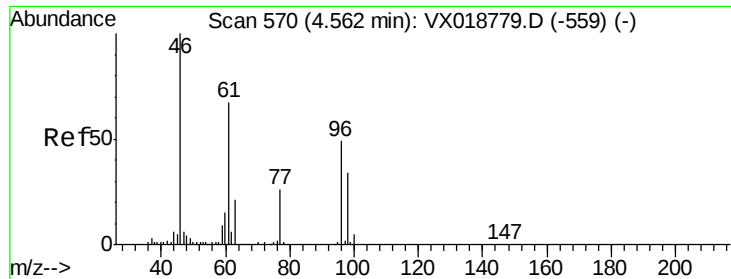
Tot Ion	Ratio	Lower	Upper
63	100		
65	32.0	21.6	40.2
83	14.5	8.7	16.1



#21
 2-Butanone
 Concen: 53.976 ug/L
 RT: 4.67 min Scan# 587
 Delta R.T. 0.01 min
 Lab File: VX018787.D
 Acq: 06 Oct 2020 00:42

Tgt Ion	Ratio	Lower	Upper
43	100		
72	26.8	12.4	37.2



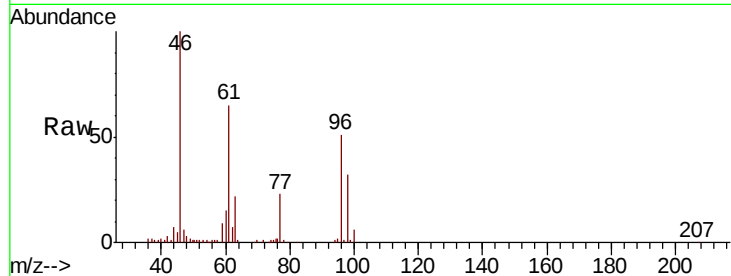


#22

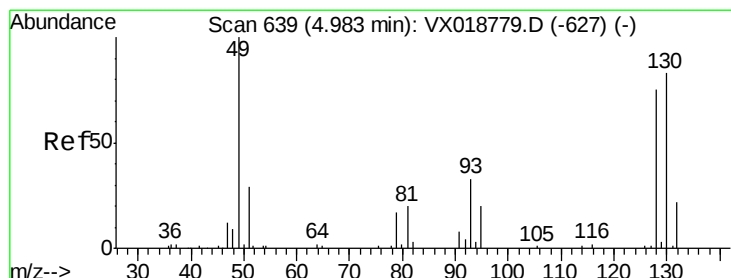
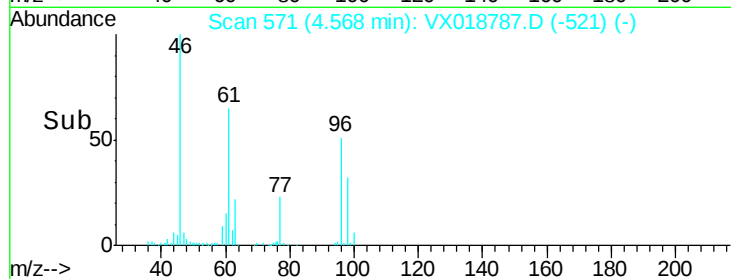
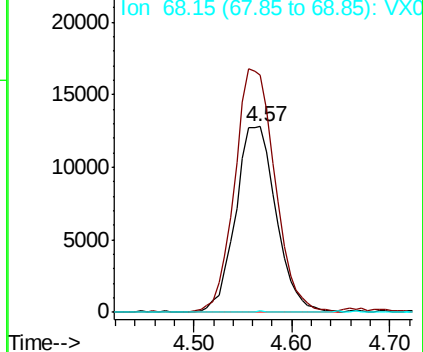
cis-1,2-Dichloroethene
 Concen: 5.004 ug/L
 RT: 4.57 min Scan# 571
 Delta R.T. 0.01 min
 Lab File: VX018787.D
 Acq: 06 Oct 2020 00:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD00594

Tot Ion: 96 Resp: 36981
 Ion Ratio Lower Upper
 96 100
 61 127.9 86.2 160.0
 68 0.6 0.3 0.7



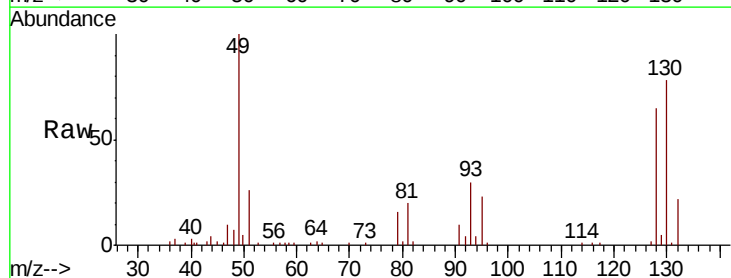
Abundance Ion 96.00 (95.70 to 96.70): VX0
 Ion 61.05 (60.75 to 61.75): VX0
 Ion 68.15 (67.85 to 68.85): VX0



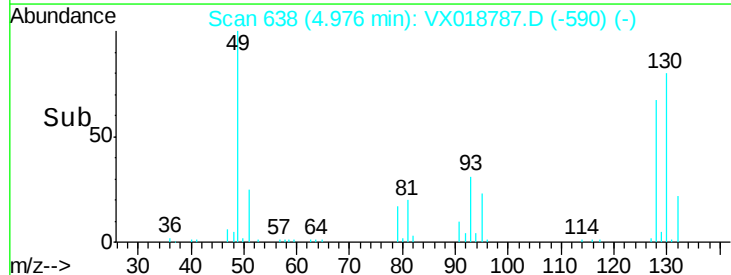
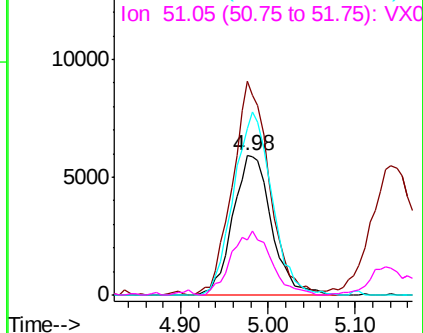
#23

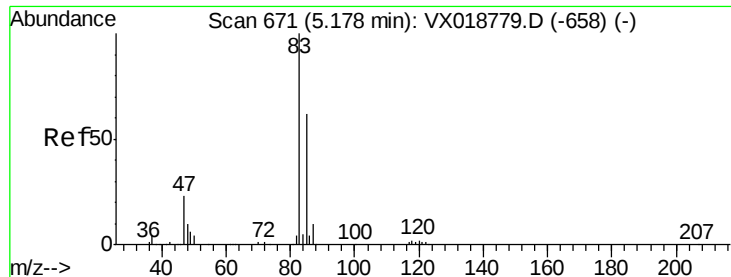
Bromochloromethane
 Concen: 4.837 ug/L
 RT: 4.98 min Scan# 638
 Delta R.T. -0.01 min
 Lab File: VX018787.D
 Acq: 06 Oct 2020 00:42

Tgt Ion: 128 Resp: 18122
 Ion Ratio Lower Upper
 128 100
 49 153.3 94.5 175.5
 130 119.4 88.2 163.8
 51 39.5 33.9 50.9



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: 4.787 ug/L

RT: 5.18 min Scan# 671

Delta R.T. -0.00 min

Lab File: VX018787.D

Acq: 06 Oct 2020 00:42

Instrument :

MSVOA_X

ClientSampled :

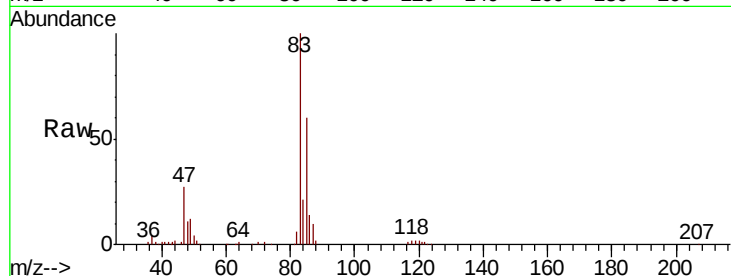
VSTD00594

Tot Ion: 83 Resp: 69681

Ion Ratio Lower Upper

83 100

85 60.2 44.6 82.8



Abundance Ion 83.05 (82.75 to 83.75): VX0

Ion 85.00 (84.70 to 85.70): VX0

25000

20000

15000

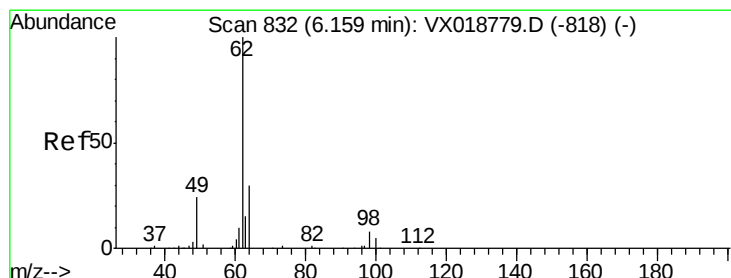
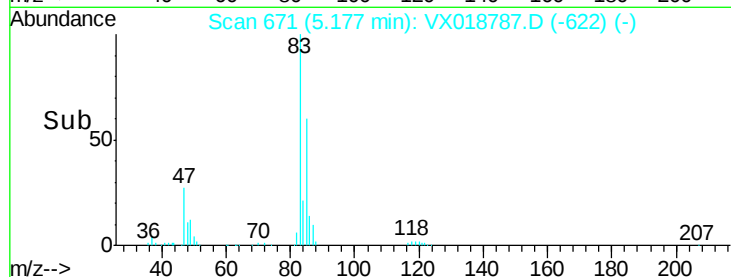
10000

5000

0

Time--> 5.00 5.10 5.20 5.30

5.18



#27

1,2-Dichloroethane

Concen: 4.545 ug/L

RT: 6.16 min Scan# 832

Delta R.T. -0.00 min

Lab File: VX018787.D

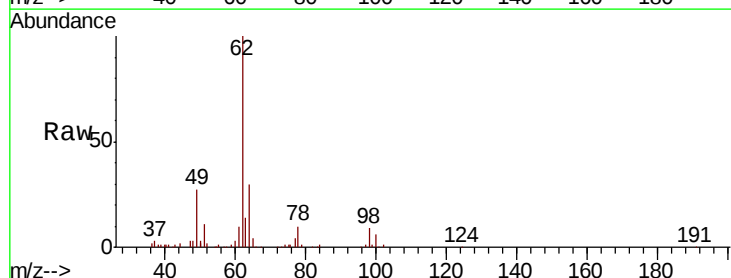
Acq: 06 Oct 2020 00:42

Tgt Ion: 62 Resp: 48069

Ion Ratio Lower Upper

62 100

98 9.0 5.8 8.8#



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 98.05 (97.75 to 98.75): VX0

20000

15000

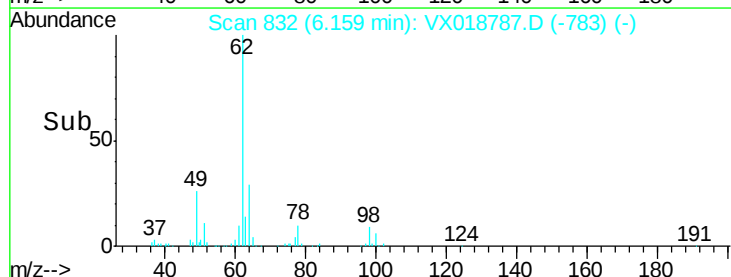
10000

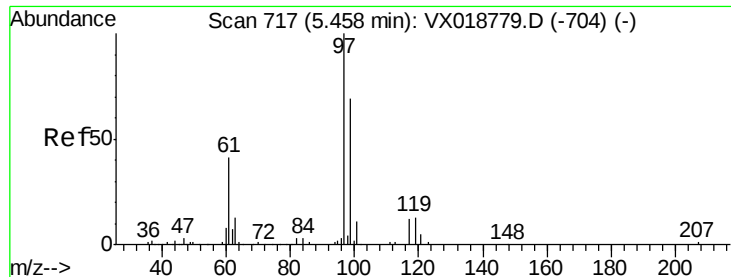
5000

0

Time--> 6.00 6.10 6.20 6.30

6.16





#29

1,1,1-Trichloroethane

Concen: 4.543 ug/L

RT: 5.46 min Scan# 718

Delta R.T. 0.01 min

Lab File: VX018787.D

Acq: 06 Oct 2020 00:42

Instrument :

MSVOA_X

ClientSampleId :

VSTD00594

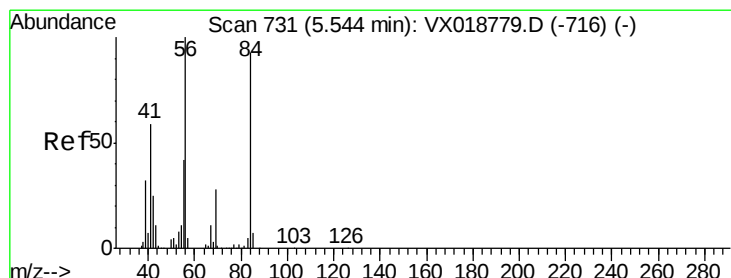
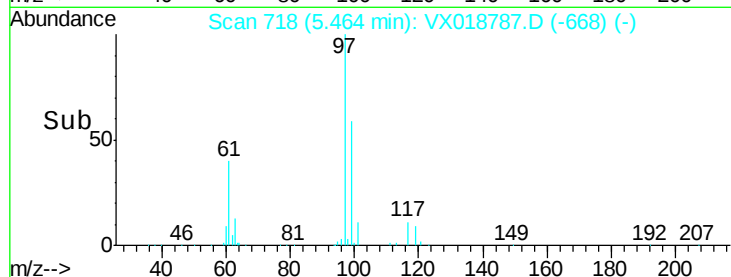
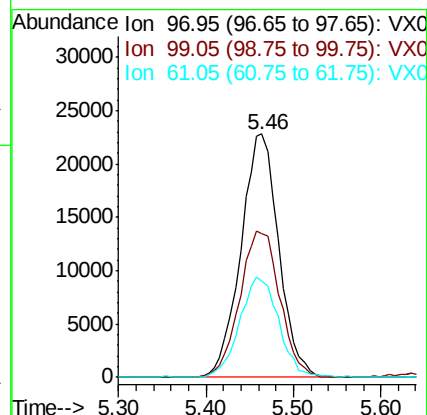
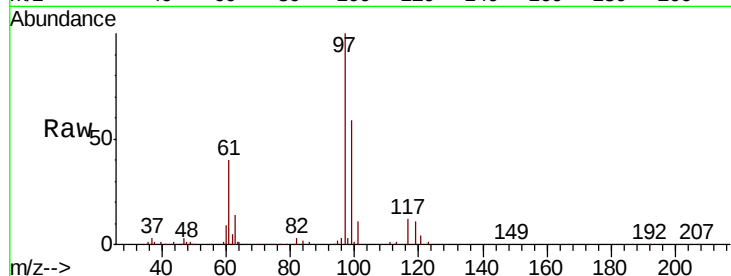
Tot Ion: 97 Resp: 68680

Ion Ratio Lower Upper

97 100

99 63.5 51.3 76.9

61 42.6 33.3 49.9



#30

Cyclohexane

Concen: 5.061 ug/L

RT: 5.55 min Scan# 732

Delta R.T. 0.01 min

Lab File: VX018787.D

Acq: 06 Oct 2020 00:42

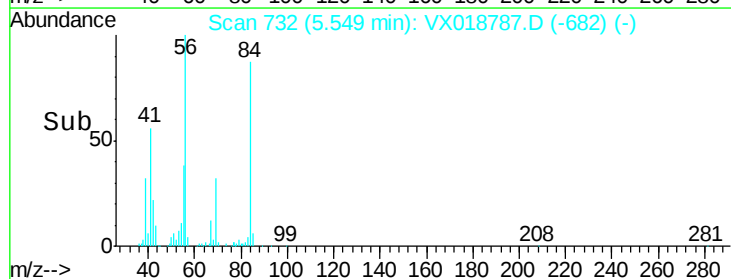
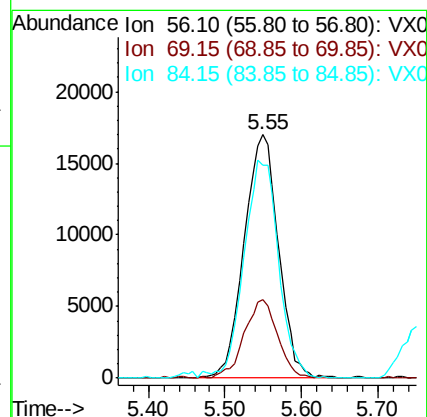
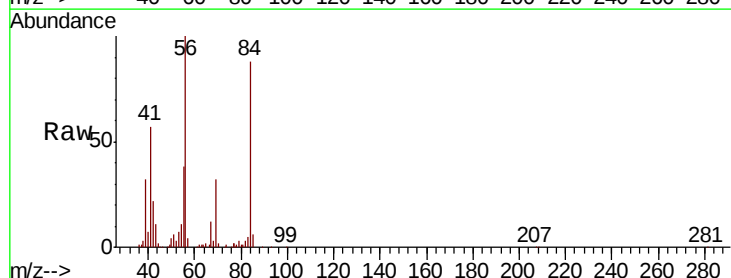
Tgt Ion: 56 Resp: 53074

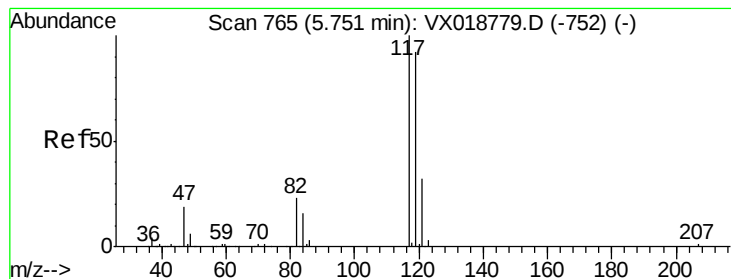
Ion Ratio Lower Upper

56 100

69 31.2 26.0 39.0

84 89.9 73.8 110.6





#31

Carbon tetrachloride

Concen: 4.480 ug/L

RT: 5.76 min Scan# 766

Delta R.T. 0.01 min

Lab File: VX018787.D

Acq: 06 Oct 2020 00:42

Instrument :

MSVOA_X

ClientSampleId :

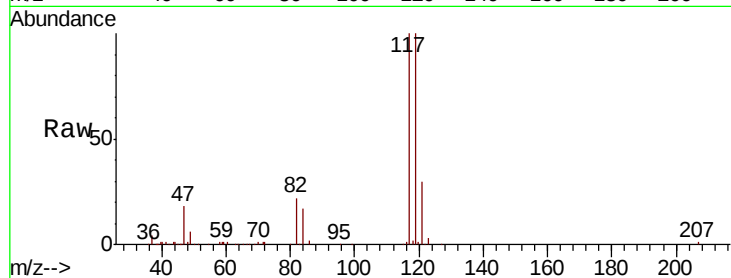
VSTD00594

Tot Ion:117 Resp: 62473

Ion Ratio Lower Upper

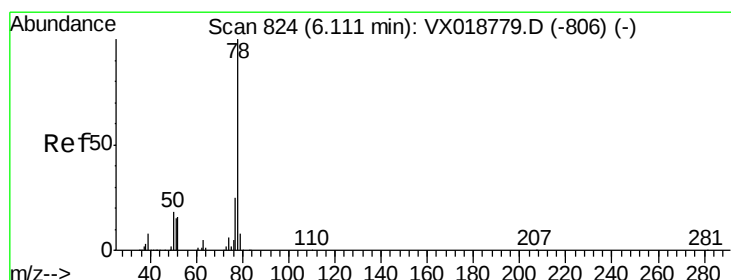
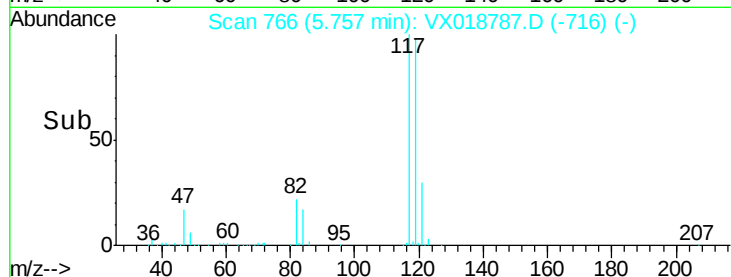
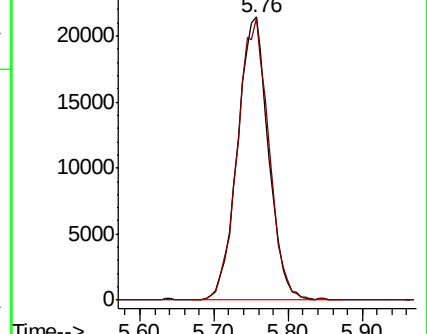
117 100

119 100.2 76.0 114.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.308 ug/L

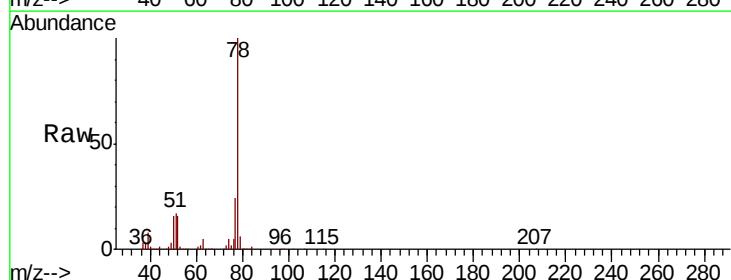
RT: 6.11 min Scan# 824

Delta R.T. -0.00 min

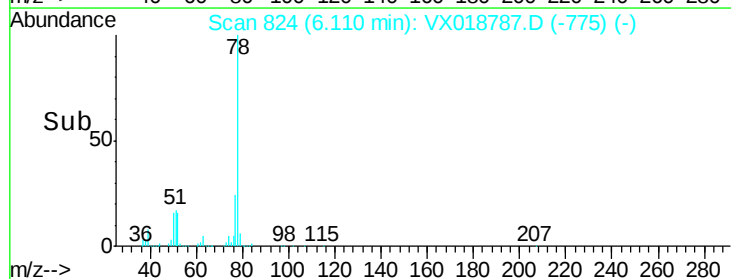
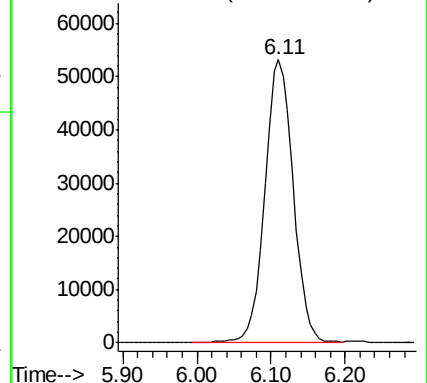
Lab File: VX018787.D

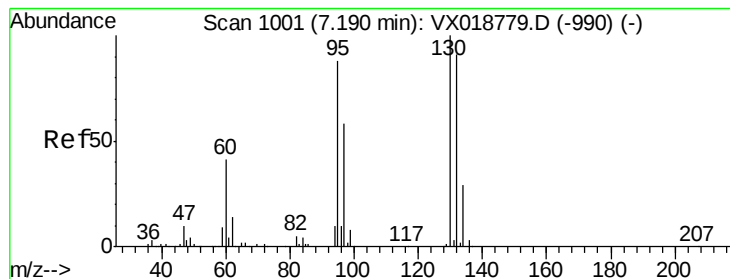
Acq: 06 Oct 2020 00:42

Tgt Ion: 78 Resp: 142064



Abundance Ion 78.10 (77.80 to 78.80): VX0





#34

Trichloroethene

Concen: 4.969 ug/L

RT: 7.18 min Scan# 1000

Delta R.T. -0.01 min

Lab File: VX018787.D

Acq: 06 Oct 2020 00:42

Instrument :

MSVOA_X

ClientSampleId :

VSTD00594

Tot Ion: 95 Resp: 39261

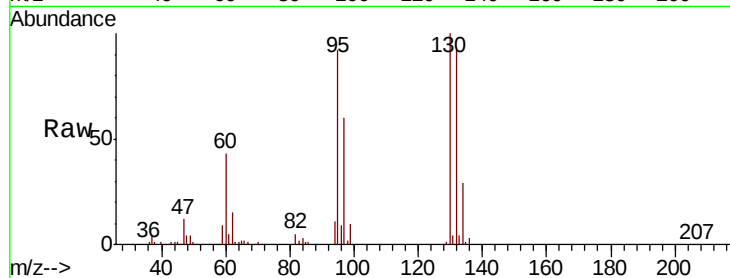
Ion Ratio Lower Upper

95 100

97 64.8 45.3 84.1

132 100.1 68.6 127.4

130 108.7 74.5 138.3

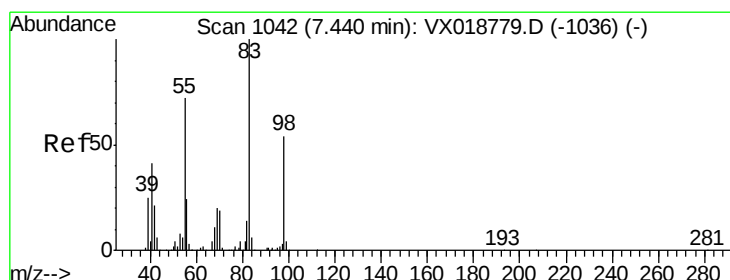
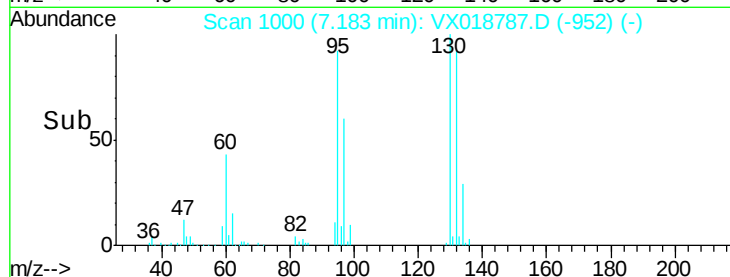
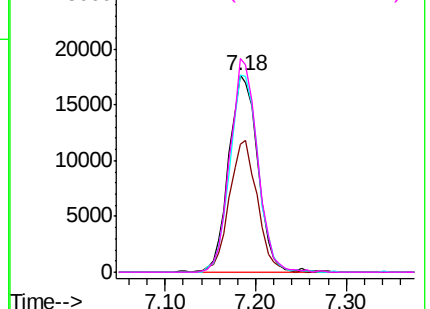


Abundance Ion 95.00 (94.70 to 95.70): VX0

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: 4.838 ug/L

RT: 7.44 min Scan# 1042

Delta R.T. -0.00 min

Lab File: VX018787.D

Acq: 06 Oct 2020 00:42

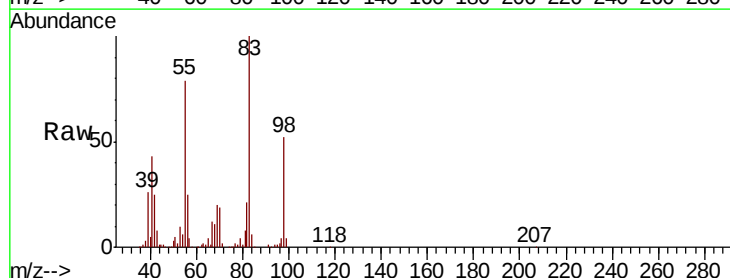
Tgt Ion: 83 Resp: 54166

Ion Ratio Lower Upper

83 100

55 79.0 60.3 90.5

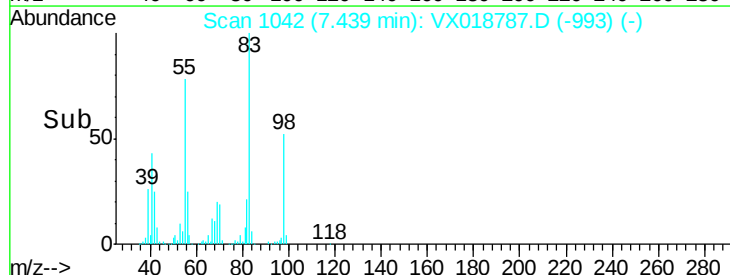
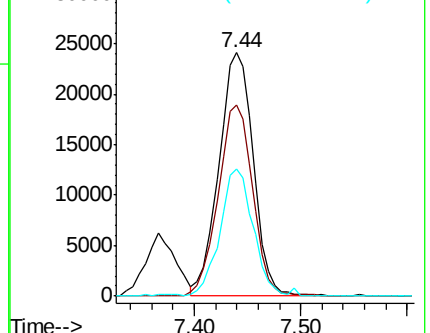
98 50.2 39.4 59.0

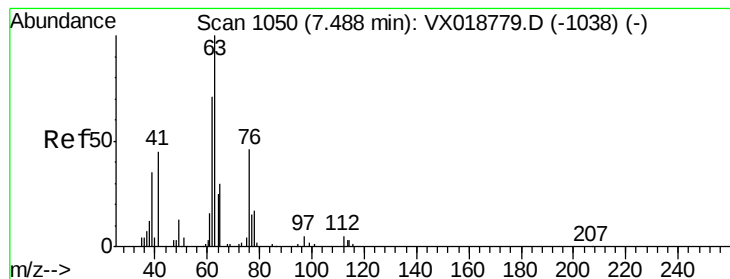


Abundance Ion 83.15 (82.85 to 83.85): VX0

Ion 55.10 (54.80 to 55.80): VX0

Ion 98.15 (97.85 to 98.85): VX0





#37

1,2-Dichloropropane

Concen: 5.211 ug/L

RT: 7.49 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VX018787.D

Acq: 06 Oct 2020 00:42

Instrument :

MSVOA_X

ClientSampleId :

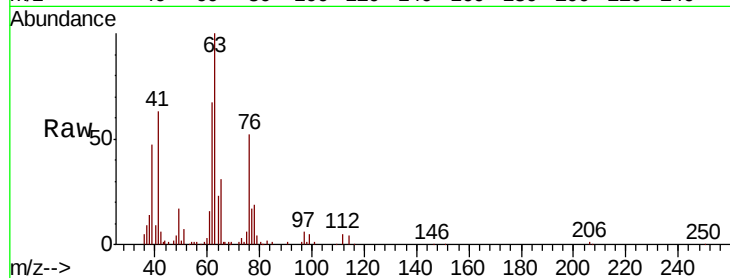
VSTD00594

Tot Ion: 63 Resp: 34935

Ion Ratio Lower Upper

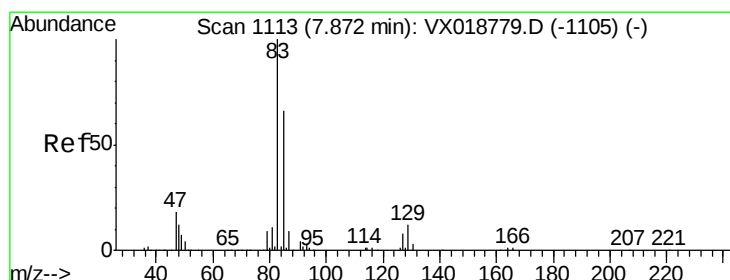
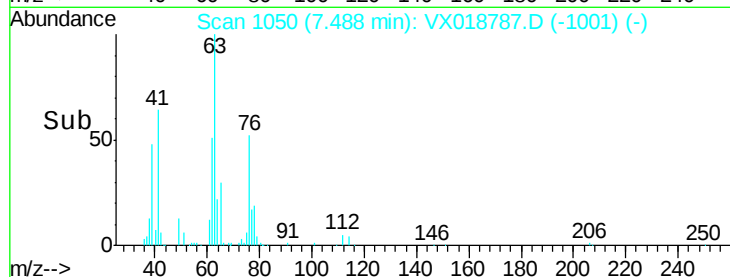
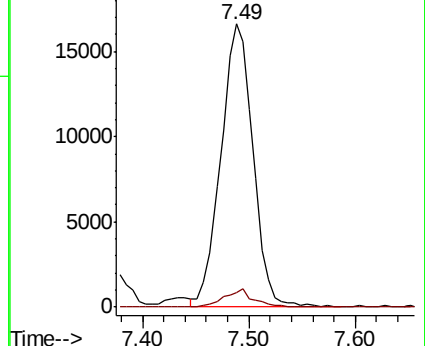
63 100

112 5.8 4.7 7.1



Abundance Ion 63.10 (62.80 to 63.80): VX0

Ion 112.10 (111.80 to 112.80): V



#38

Bromodichloromethane

Concen: 4.649 ug/L

RT: 7.88 min Scan# 1114

Delta R.T. 0.01 min

Lab File: VX018787.D

Acq: 06 Oct 2020 00:42

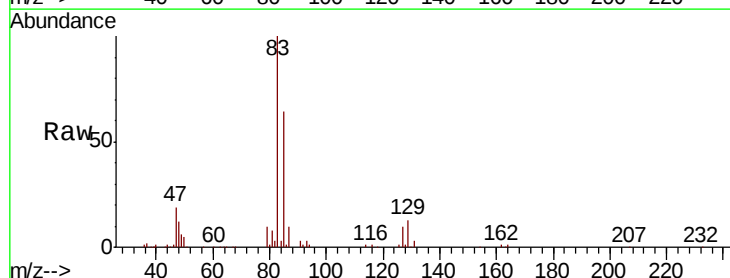
Tgt Ion: 83 Resp: 49713

Ion Ratio Lower Upper

83 100

85 63.5 46.6 86.6

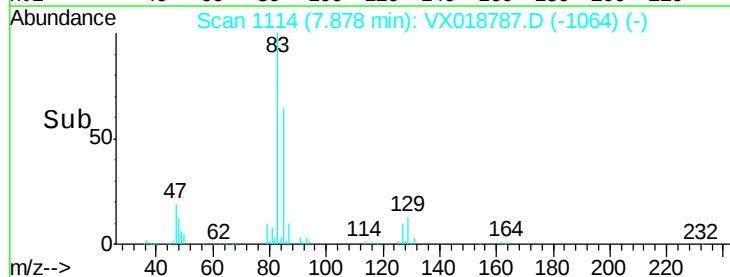
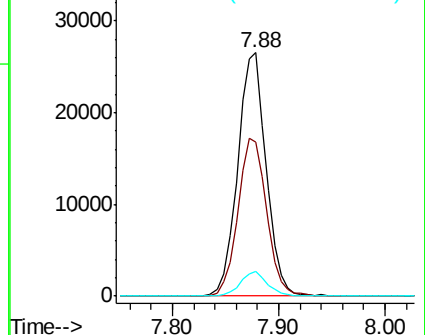
127 10.4 9.9 14.9

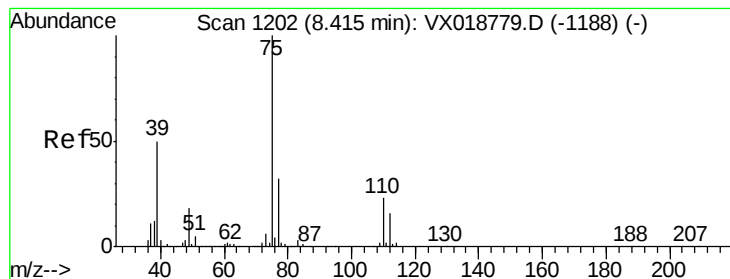


Abundance Ion 82.95 (82.65 to 83.65): VX0

Ion 85.00 (84.70 to 85.70): VX0

Ion 126.90 (126.60 to 127.60): V



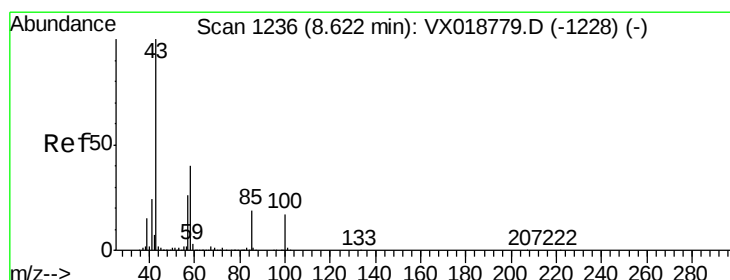
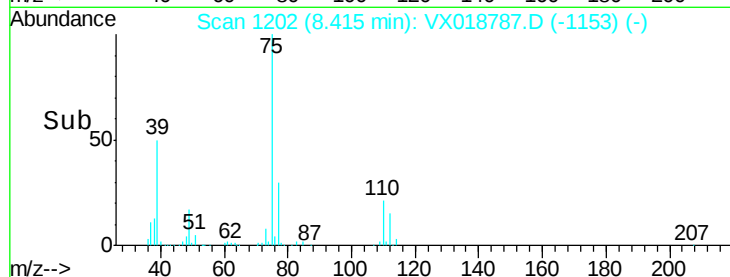
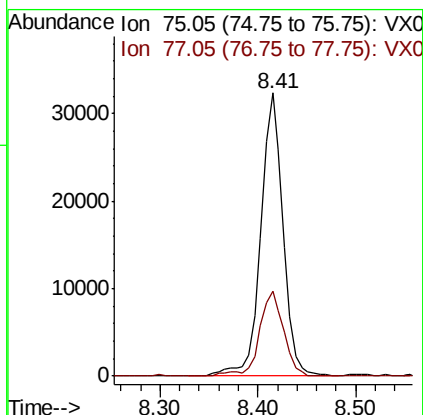
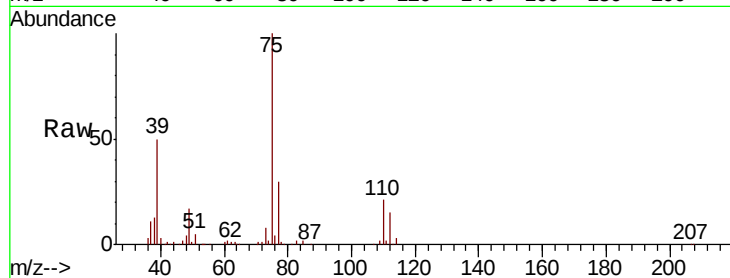


#39

cis-1,3-Dichloropropene
 Concen: 4.827 ug/L
 RT: 8.41 min Scan# 1202
 Delta R.T. -0.00 min
 Lab File: VX018787.D
 Acq: 06 Oct 2020 00:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD00594

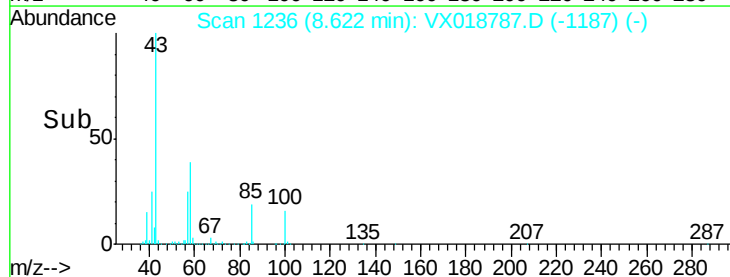
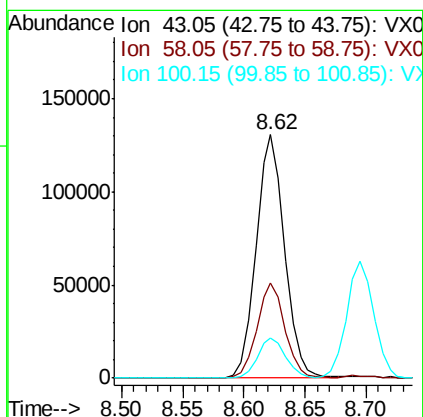
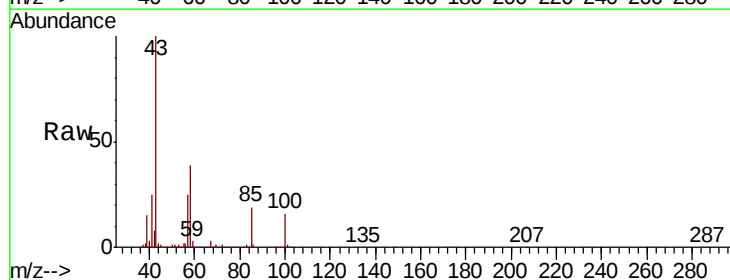
Tot Ion: 75 Resp: 51658
 Ion Ratio Lower Upper
 75 100
 77 30.0 22.5 41.7

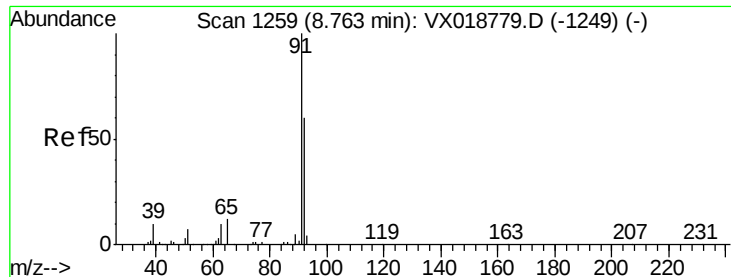


#40

4-Methyl-2-pentanone
 Concen: 54.471 ug/L
 RT: 8.62 min Scan# 1236
 Delta R.T. -0.00 min
 Lab File: VX018787.D
 Acq: 06 Oct 2020 00:42

Tgt Ion: 43 Resp: 211573
 Ion Ratio Lower Upper
 43 100
 58 38.7 30.8 46.2
 100 16.4 13.2 19.8





#42

Toluene

Concen: 5.313 ug/L

RT: 8.76 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VX018787.D

Acq: 06 Oct 2020 00:42

Instrument :

MSVOA_X

ClientSampled :

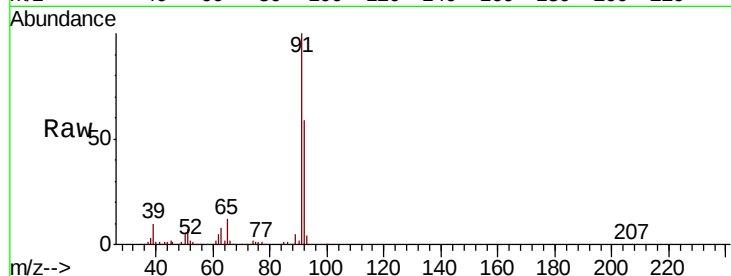
VSTD00594

Tot Ion: 91 Resp: 155586

Ion Ratio Lower Upper

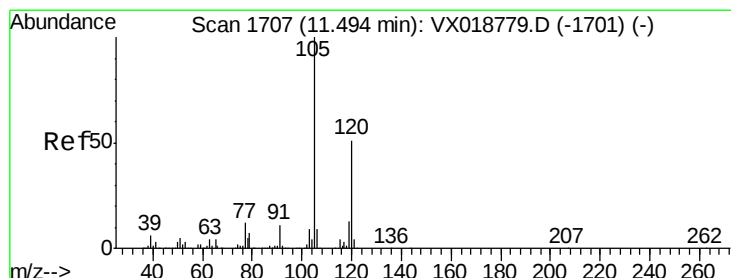
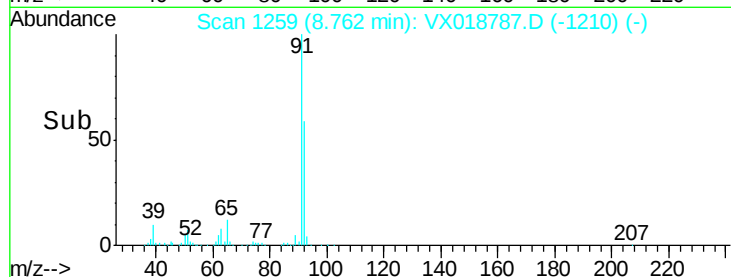
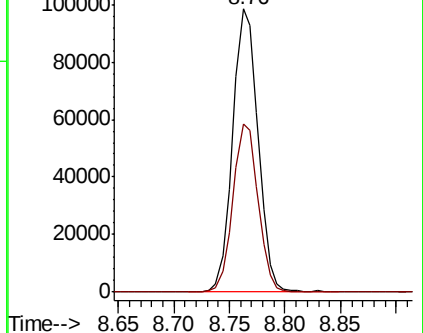
91 100

92 59.5 40.3 74.9



Abundance Ion 91.15 (90.85 to 91.85): VX0

Ion 92.15 (91.85 to 92.85): VX0



#43

1,3,5-Trimethylbenzene

Concen: 4.866 ug/L

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX018787.D

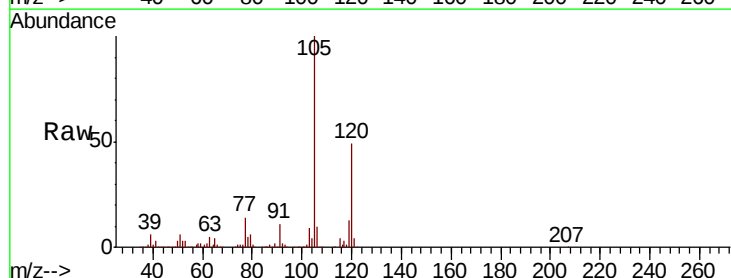
Acq: 06 Oct 2020 00:42

Tgt Ion:105 Resp: 134860

Ion Ratio Lower Upper

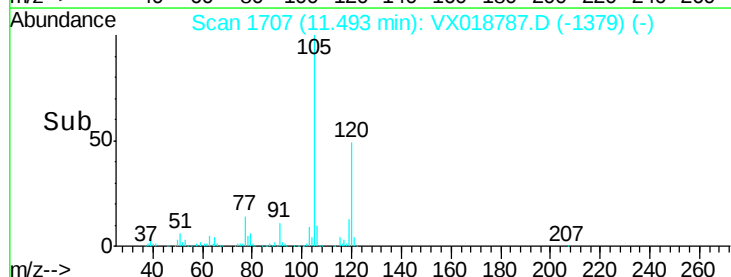
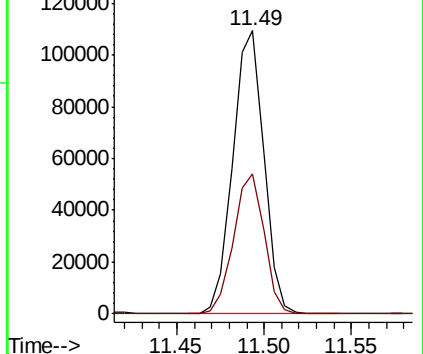
105 100

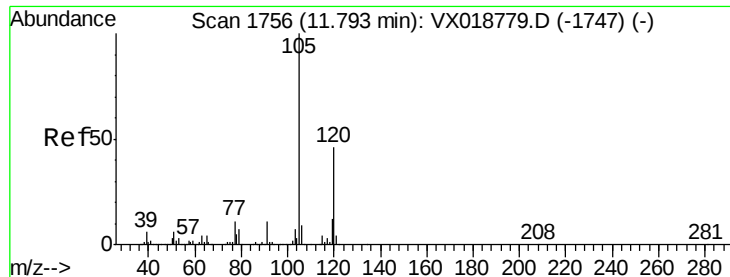
120 49.2 37.7 56.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#44

1,2,4-Trimethylbenzene

Concen: 4.984 ug/L

RT: 11.79 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VX018787.D

Acq: 06 Oct 2020 00:42

Instrument :

MSVOA_X

ClientSampled :

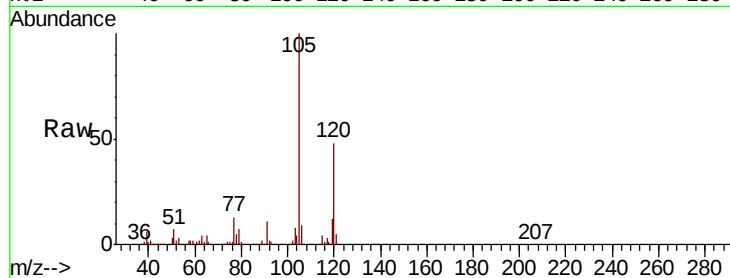
VSTD00594

Tot Ion:105 Resp: 140215

Ion Ratio Lower Upper

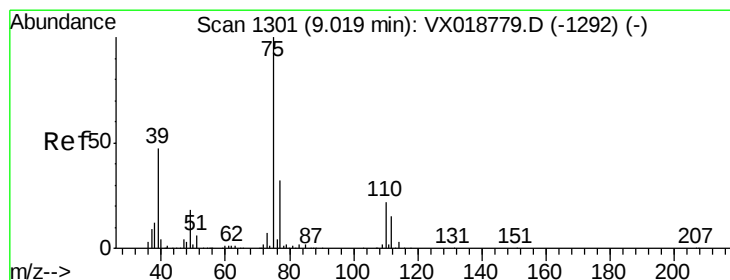
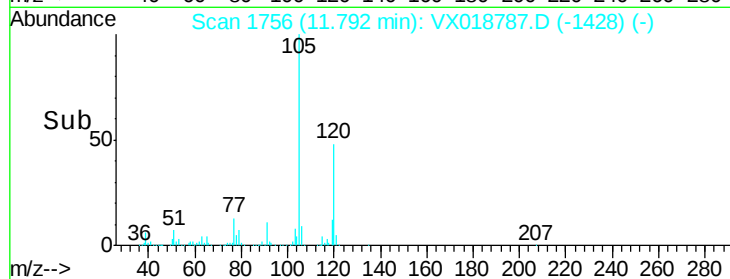
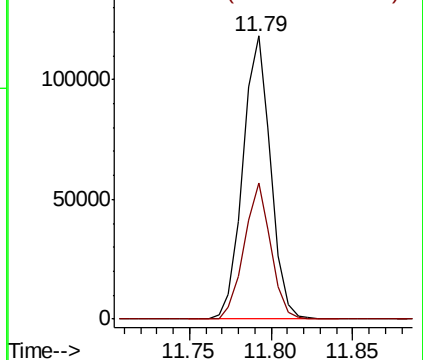
105 100

120 46.1 35.1 52.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#46

trans-1,3-Dichloropropene

Concen: 4.771 ug/L

RT: 9.02 min Scan# 1302

Delta R.T. 0.01 min

Lab File: VX018787.D

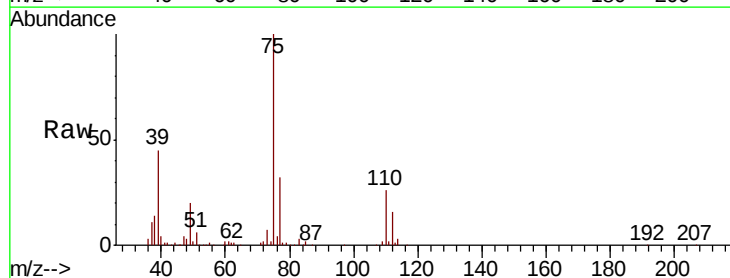
Acq: 06 Oct 2020 00:42

Tgt Ion: 75 Resp: 47144

Ion Ratio Lower Upper

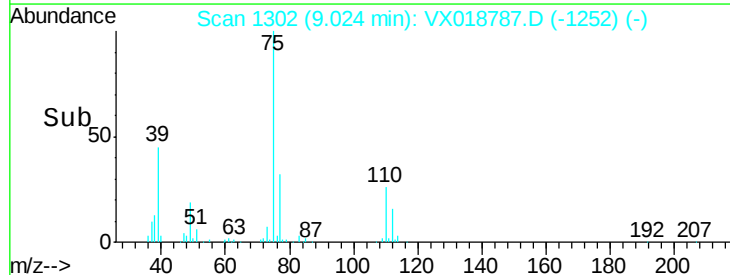
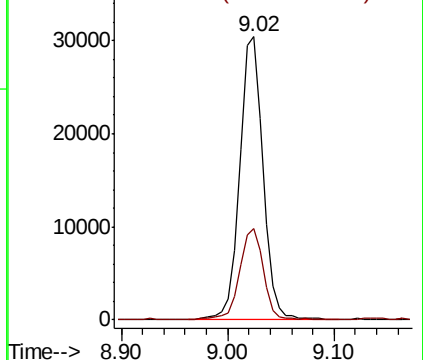
75 100

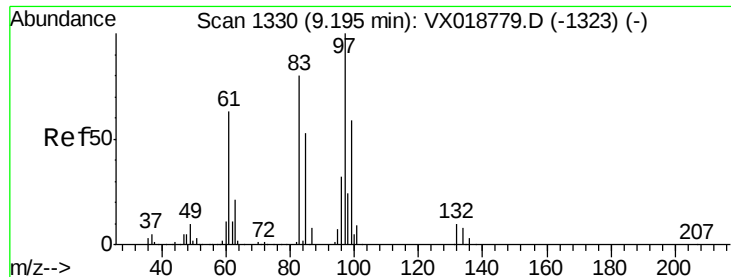
77 32.4 19.9 37.0



Abundance Ion 75.05 (74.75 to 75.75): VX0

Ion 77.05 (76.75 to 77.75): VX0

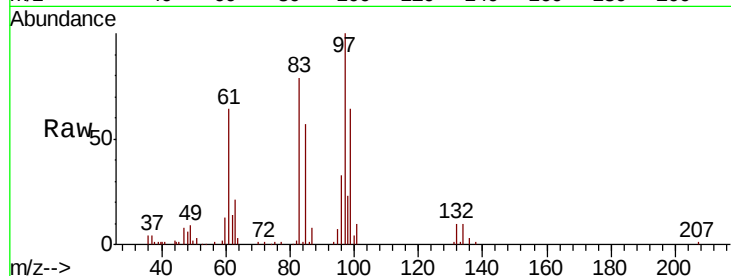




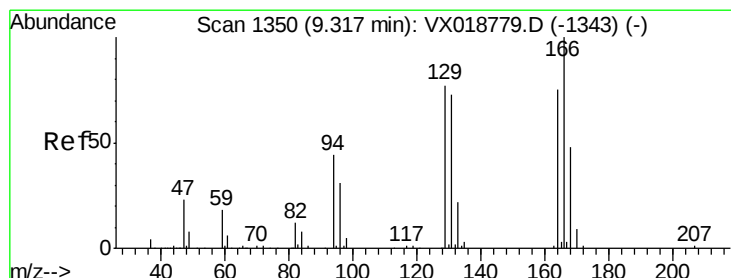
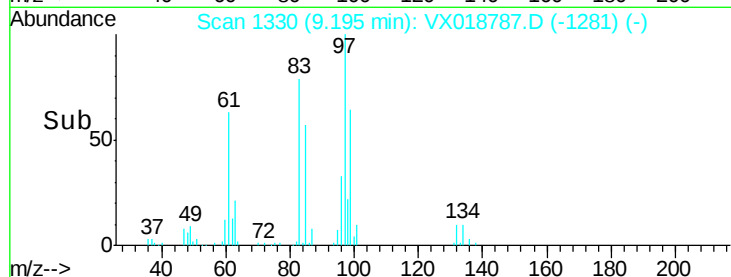
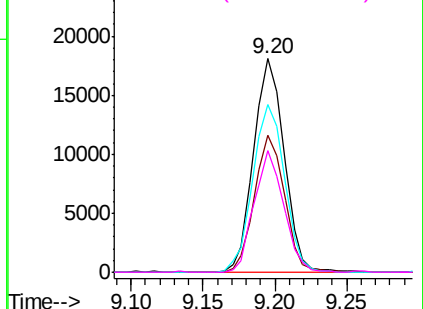
#47
 1,1,2-Trichloroethane
 Concen: 5.245 ug/L
 RT: 9.20 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VX018787.D
 Acq: 06 Oct 2020 00:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD00594

Tot Ion:	97	Resp:	26539
Ion	Ratio	Lower	Upper
97	100		
99	64.2	41.1	76.3
83	78.7	57.5	106.7
85	56.7	36.9	68.5

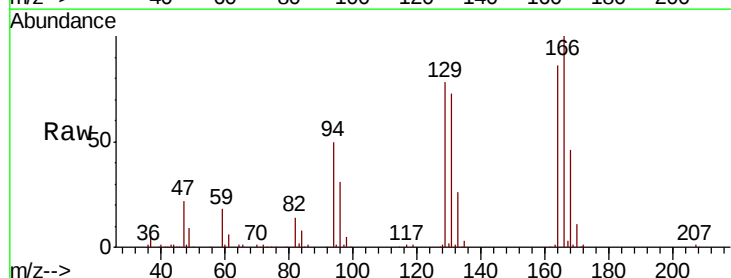


Abundance Ion 96.95 (96.65 to 97.65): VX0
 Ion 99.05 (98.75 to 99.75): VX0
 Ion 82.95 (82.65 to 83.65): VX0
 Ion 85.00 (84.70 to 85.70): VX0

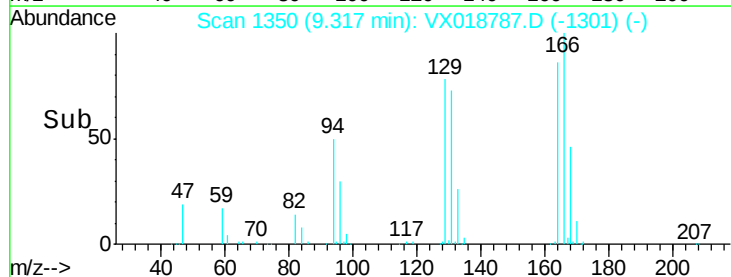
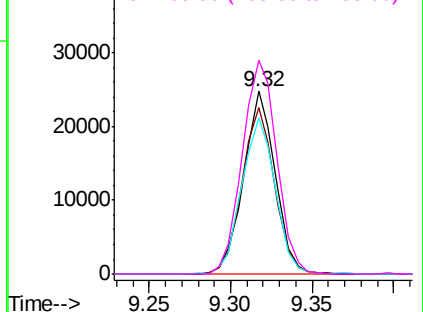


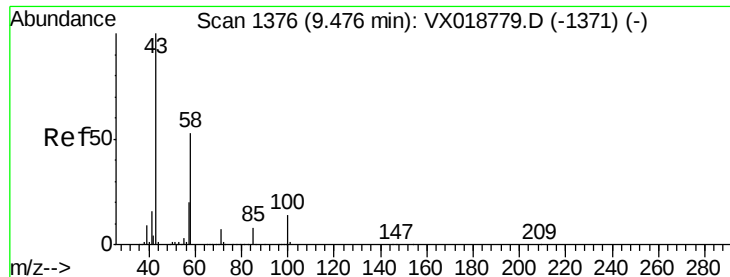
#49
 Tetrachloroethene
 Concen: 4.861 ug/L
 RT: 9.32 min Scan# 1350
 Delta R.T. -0.00 min
 Lab File: VX018787.D
 Acq: 06 Oct 2020 00:42

Tgt Ion:	164	Resp:	33580
Ion	Ratio	Lower	Upper
164	100		
129	91.2	68.7	127.5
131	85.3	65.3	121.3
166	116.9	88.5	164.4



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

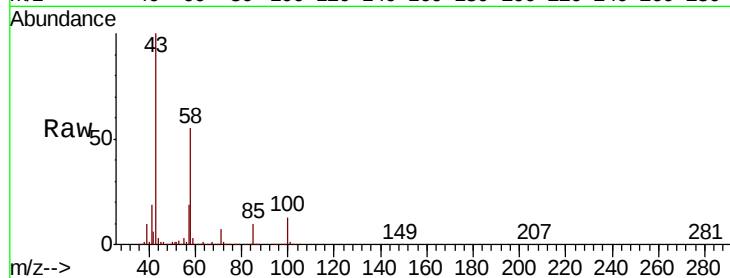




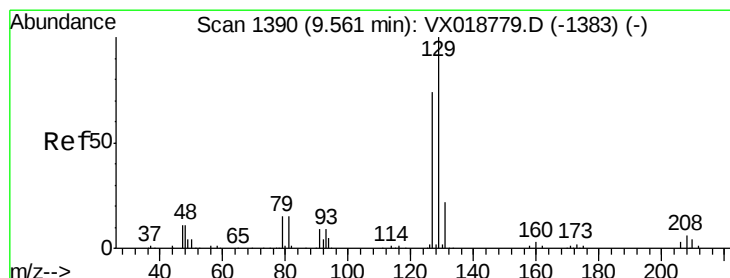
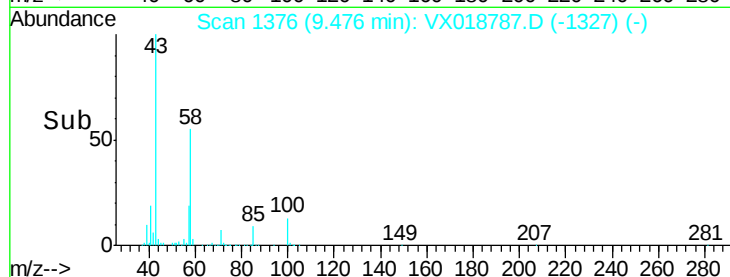
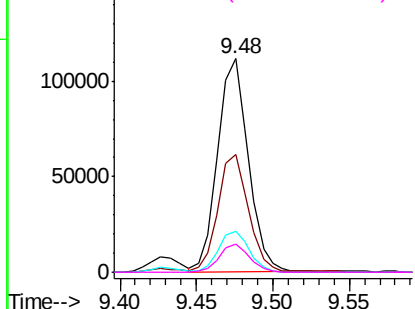
#50
2-Hexanone
Concen: 54.969 ug/L
RT: 9.48 min Scan# 1376
Delta R.T. -0.00 min
Lab File: VX018787.D
Acq: 06 Oct 2020 00:42

Instrument :
MSVOA_X
ClientSampleId :
VSTD00594

Tot Ion: 43 Resp: 155068
Ion Ratio Lower Upper
43 100
58 54.6 41.0 61.4
57 19.6 15.9 23.9
100 13.2 10.1 15.1

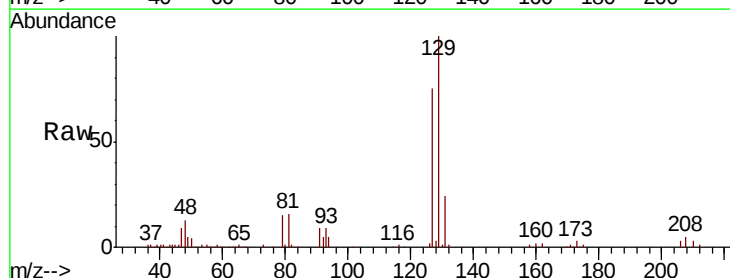


Abundance Ion 43.05 (42.75 to 43.75): VX0
Ion 58.05 (57.75 to 58.75): VX0
Ion 57.20 (56.90 to 57.90): VX0
Ion 100.15 (99.85 to 100.85): V

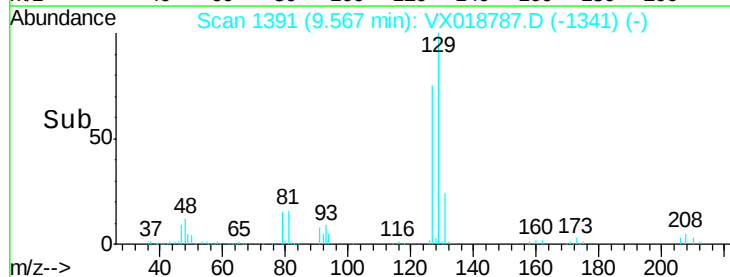
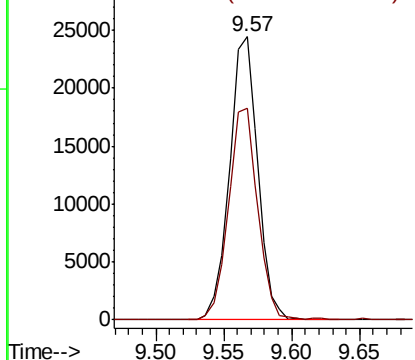


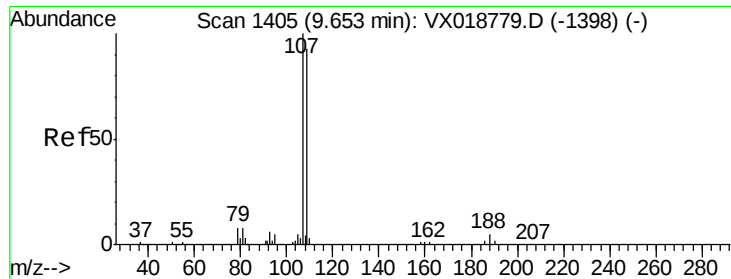
#51
Dibromochloromethane
Concen: 4.788 ug/L
RT: 9.57 min Scan# 1391
Delta R.T. 0.01 min
Lab File: VX018787.D
Acq: 06 Oct 2020 00:42

Tgt Ion:129 Resp: 35208
Ion Ratio Lower Upper
129 100
127 74.7 54.5 101.1



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





#52

1,2-Dibromoethane

Concen: 4.929 ug/L

RT: 9.65 min Scan# 1405

Delta R.T. -0.00 min

Lab File: VX018787.D

Acq: 06 Oct 2020 00:42

Instrument :

MSVOA_X

ClientSampleId :

VSTD00594

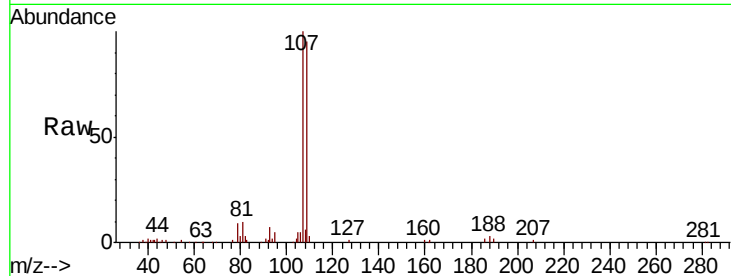
Tot Ion:107 Resp: 25213

Ion Ratio Lower Upper

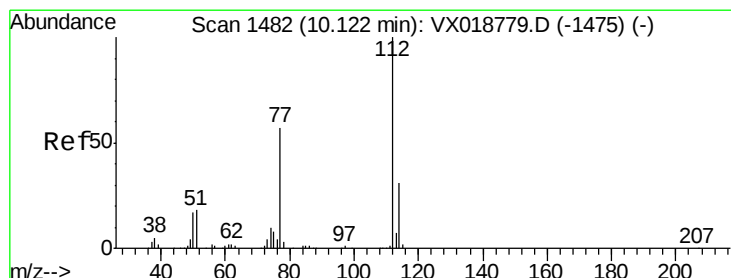
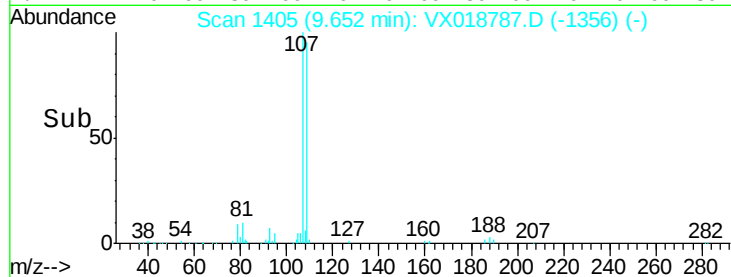
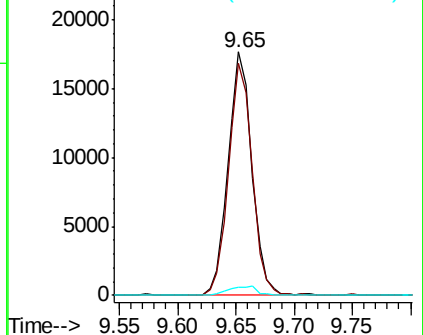
107 100

109 95.1 68.7 127.5

188 3.2 4.5 6.7#



Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V



#53

Chlorobenzene

Concen: 5.107 ug/L

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX018787.D

Acq: 06 Oct 2020 00:42

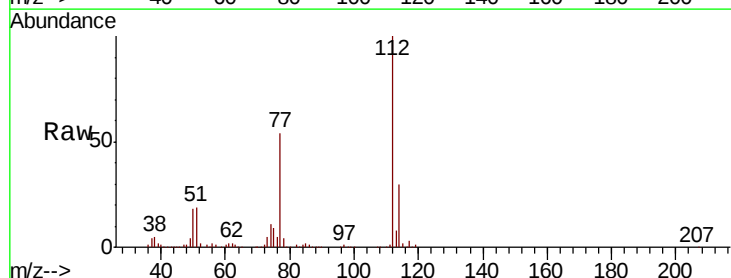
Tgt Ion:112 Resp: 102307

Ion Ratio Lower Upper

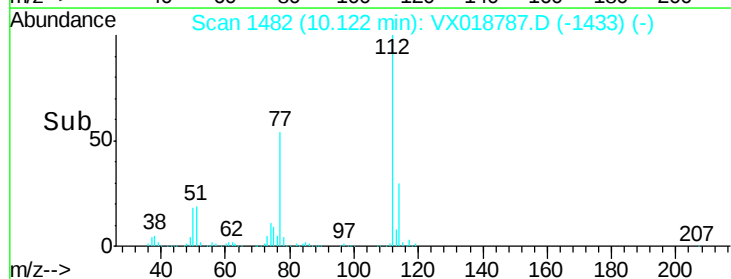
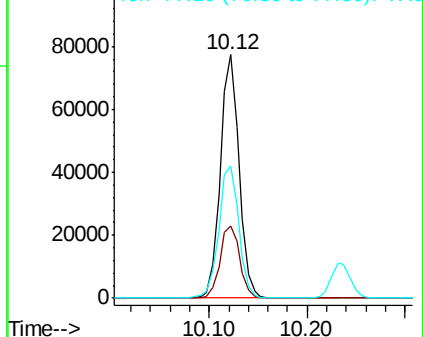
112 100

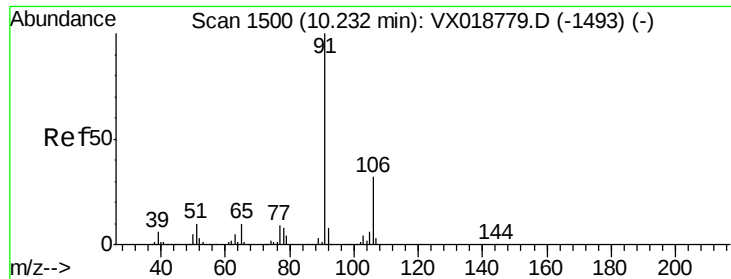
114 29.6 21.3 39.5

77 54.4 42.4 63.6



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#54

Ethylbenzene

Concen: 5.078 ug/L

RT: 10.24 min Scan# 1501

Delta R.T. 0.01 min

Lab File: VX018787.D

Acq: 06 Oct 2020 00:42

Instrument :

MSVOA_X

ClientSampleId :

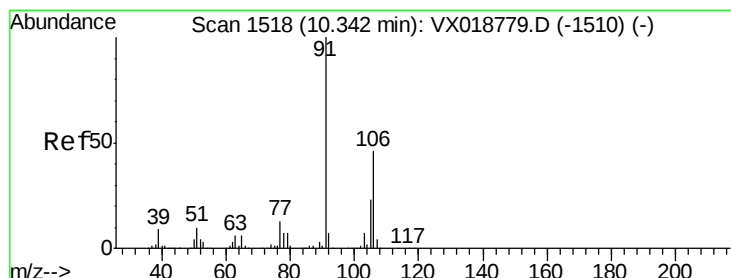
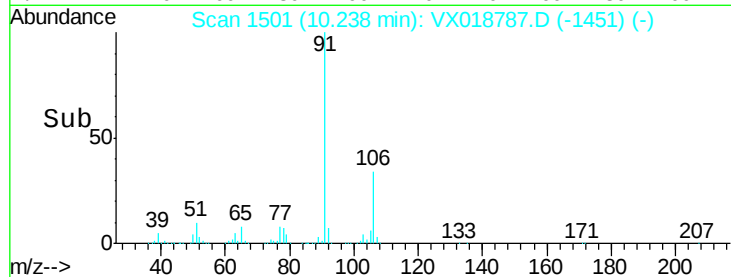
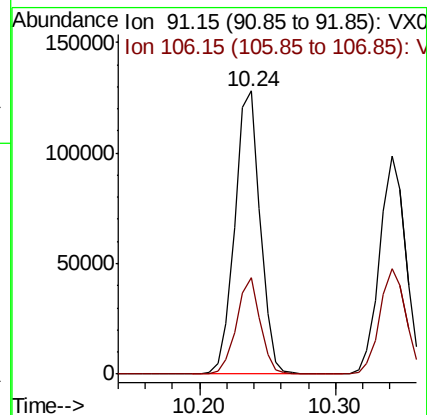
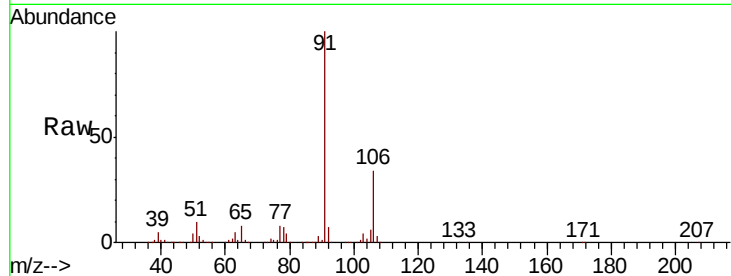
VSTD00594

Tot Ion: 91 Resp: 166694

Ion Ratio Lower Upper

91 100

106 34.2 21.5 39.9



#55

m,p-xylene

Concen: 4.960 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX018787.D

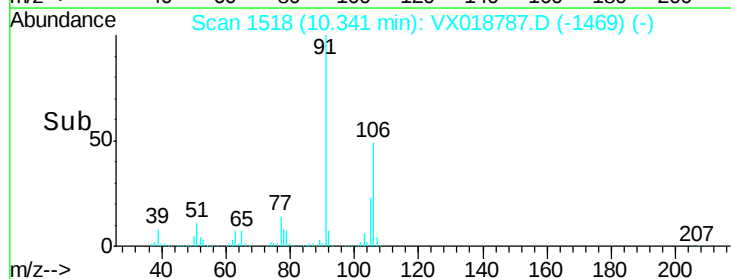
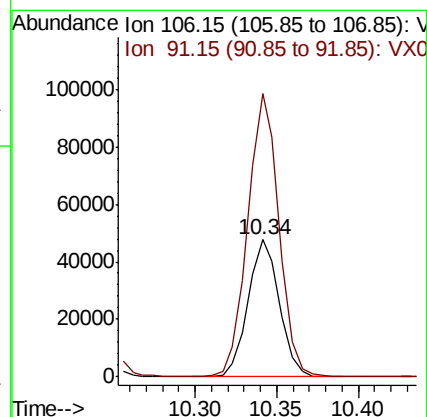
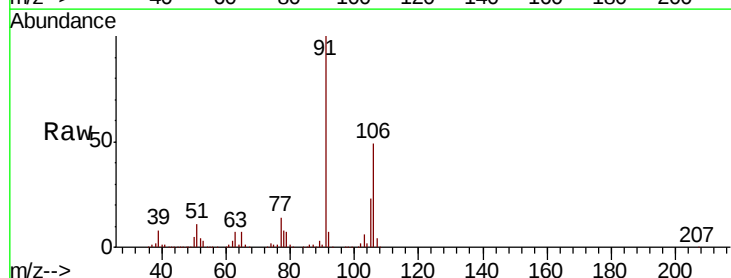
Acq: 06 Oct 2020 00:42

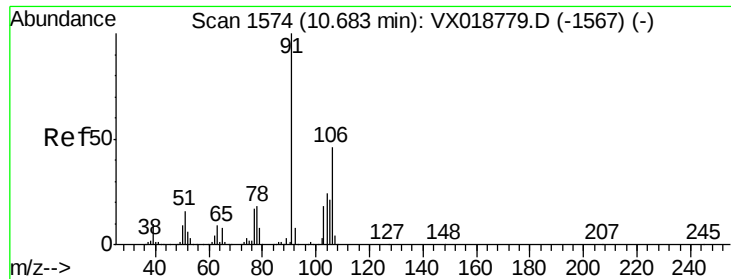
Tgt Ion: 106 Resp: 63518

Ion Ratio Lower Upper

106 100

91 206.0 143.4 266.2

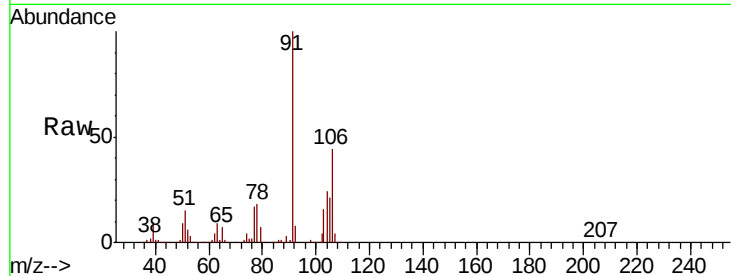




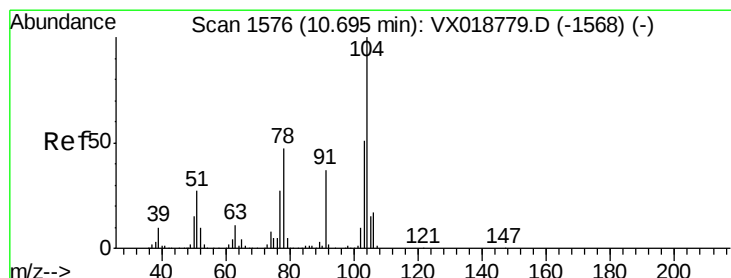
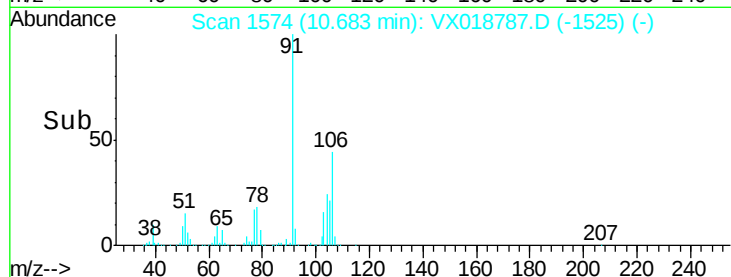
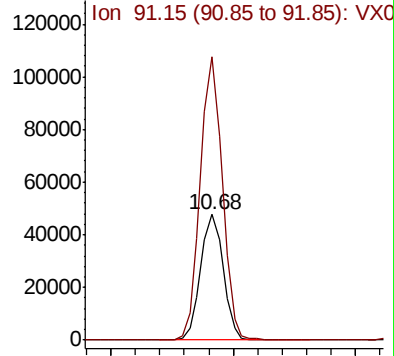
#56
o-xylene
Concen: 5.177 ug/L
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX018787.D
Acq: 06 Oct 2020 00:42

Instrument :
MSVOA_X
ClientSampled :
VSTD00594

Tot Ion:106 Resp: 61261
Ion Ratio Lower Upper
106 100
91 225.3 153.4 284.8

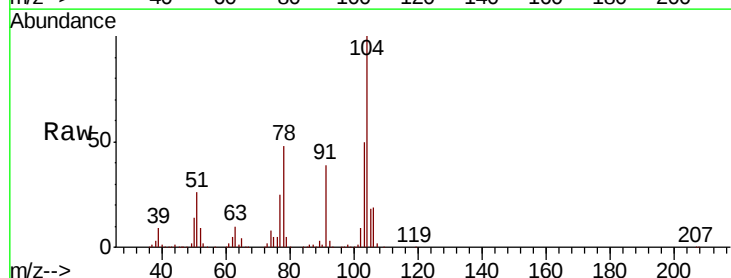


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VX0

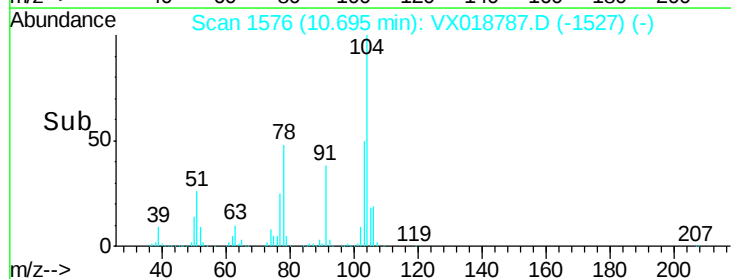
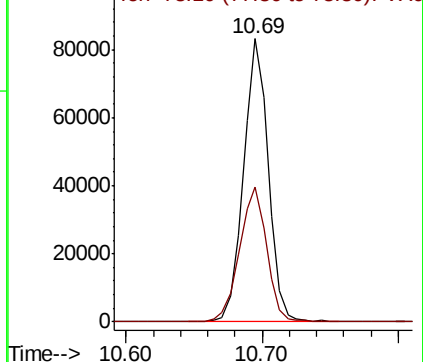


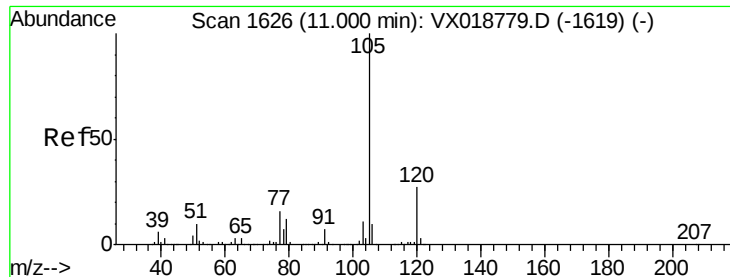
#57
Styrene
Concen: 5.225 ug/L
RT: 10.69 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX018787.D
Acq: 06 Oct 2020 00:42

Tgt Ion:104 Resp: 105482
Ion Ratio Lower Upper
104 100
78 47.6 37.1 68.9



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VX0





#58

Isopropylbenzene

Concen: 5.140 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX018787.D

Acq: 06 Oct 2020 00:42

Instrument :

MSVOA_X

ClientSampleId :

VSTD00594

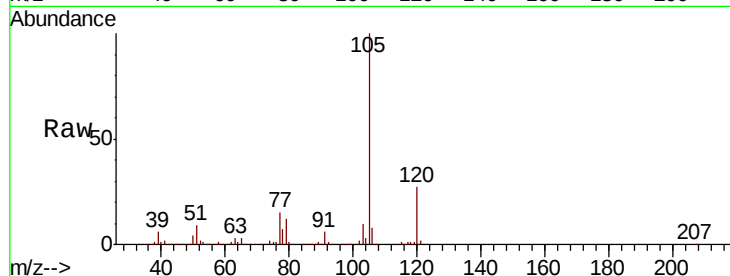
Tot Ion:105 Resp: 170280

Ion Ratio Lower Upper

105 100

120 27.7 20.2 30.2

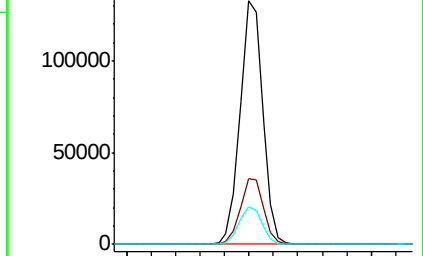
77 15.7 13.3 19.9



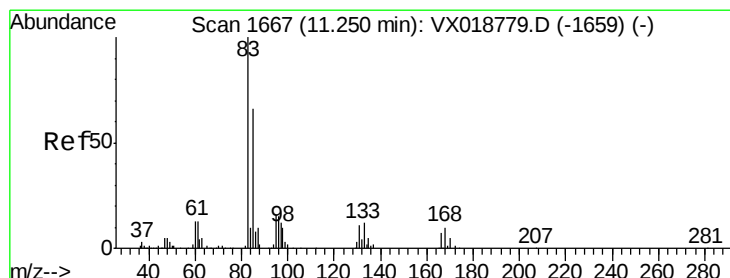
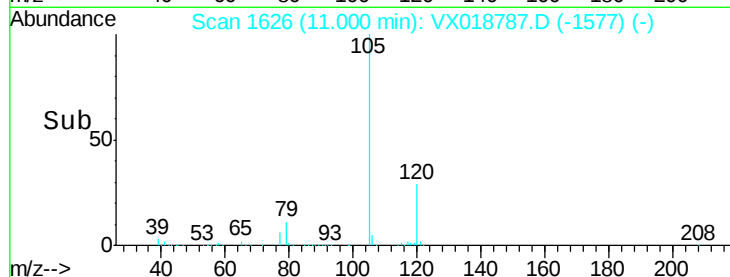
Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



Time--> 10.90 11.00 11.10



#60

1,1,2,2-Tetrachloroethane

Concen: 5.394 ug/L

RT: 11.25 min Scan# 1667

Delta R.T. -0.00 min

Lab File: VX018787.D

Acq: 06 Oct 2020 00:42

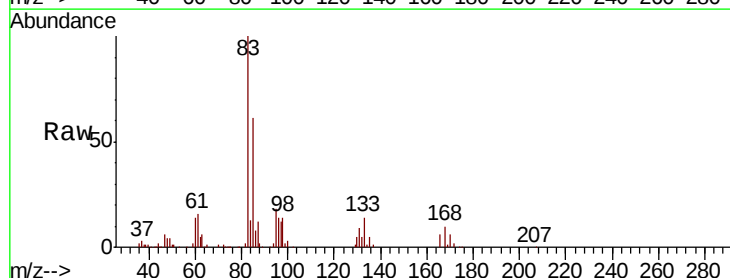
Tgt Ion: 83 Resp: 30253

Ion Ratio Lower Upper

83 100

85 61.1 46.5 86.5

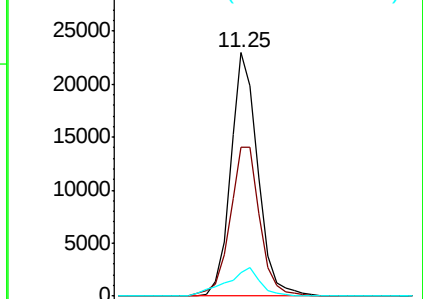
131 9.4 9.6 14.4#



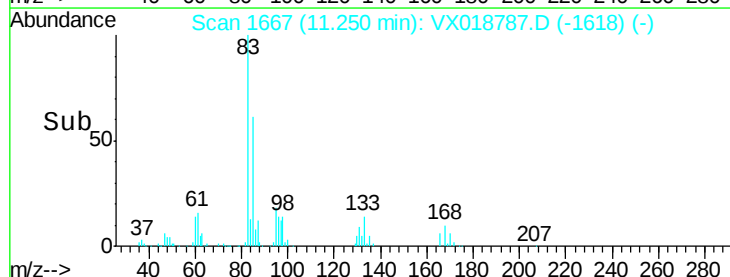
Abundance Ion 82.95 (82.65 to 83.65): VX0

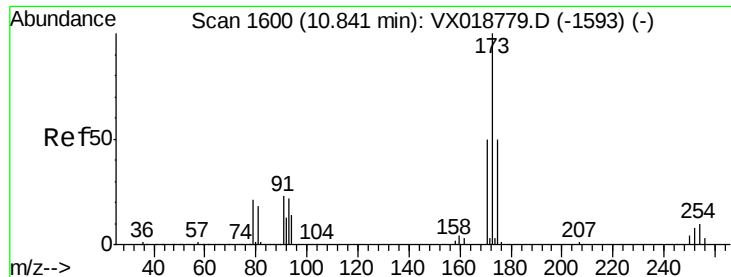
Ion 85.00 (84.70 to 85.70): VX0

Ion 130.95 (130.65 to 131.65): V



Time--> 11.20 11.25 11.30 11.35





#62

Bromoform

Concen: 4.610 ug/L

RT: 10.84 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VX018787.D

Acq: 06 Oct 2020 00:42

Instrument :

MSVOA_X

ClientSampleId :

VSTD00594

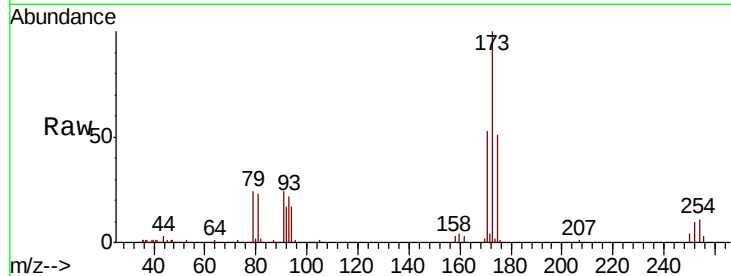
Tot Ion:173 Resp: 20240

Ion Ratio Lower Upper

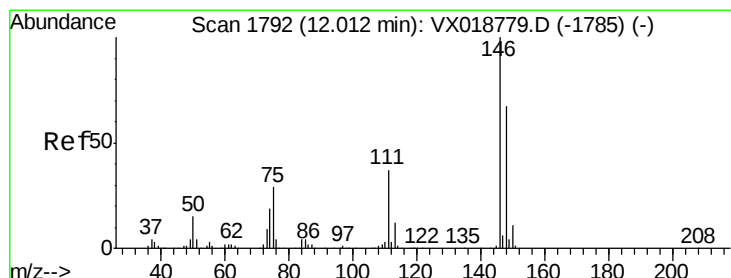
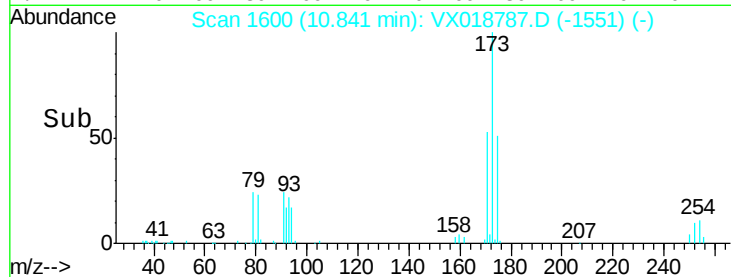
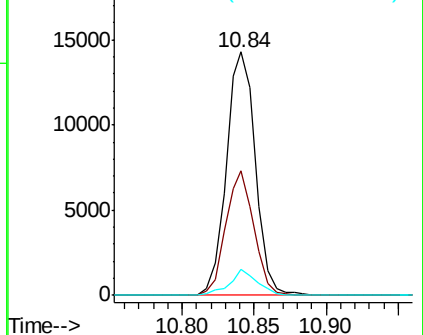
173 100

175 49.6 37.8 56.8

254 9.8 7.2 10.8



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



#63

1,3-Dichlorobenzene

Concen: 5.199 ug/L

RT: 12.01 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX018787.D

Acq: 06 Oct 2020 00:42

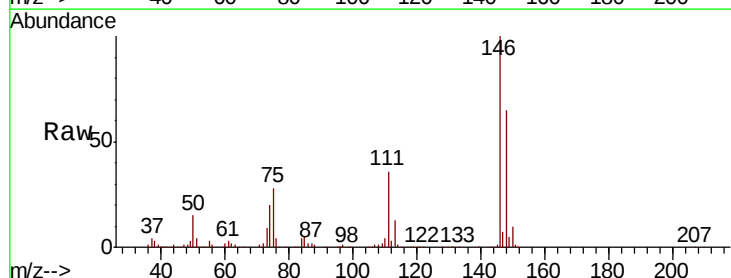
Tgt Ion:146 Resp: 83950

Ion Ratio Lower Upper

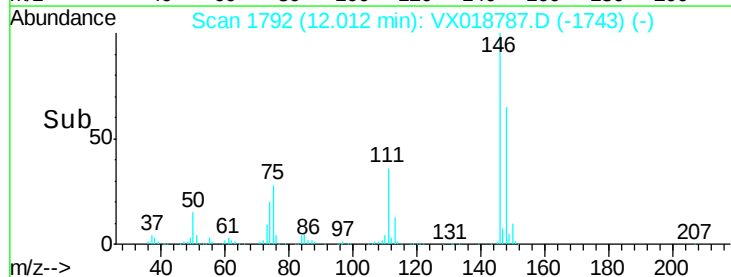
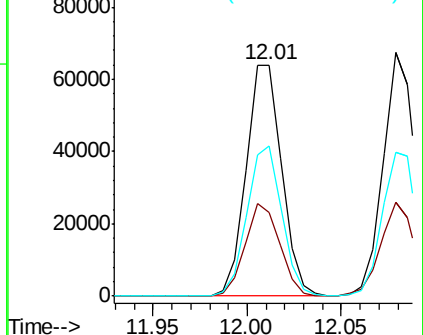
146 100

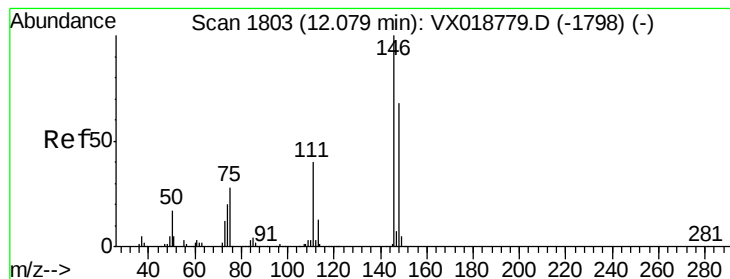
111 36.3 28.4 52.8

148 65.0 45.9 85.3



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





#64

1,4-Dichlorobenzene

Concen: 5.098 ug/L

RT: 12.08 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VX018787.D

Acq: 06 Oct 2020 00:42

Instrument :

MSVOA_X

ClientSampleId :

VSTD00594

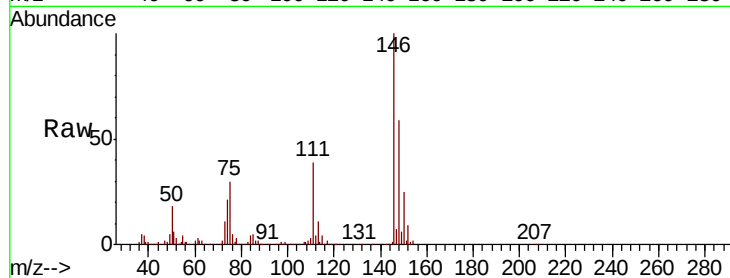
Tot Ion:146 Resp: 82097

Ion Ratio Lower Upper

146 100

111 38.5 28.6 53.2

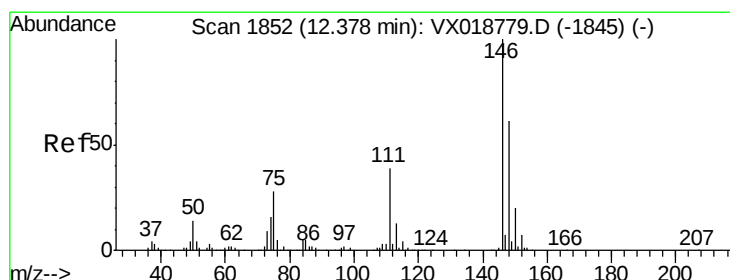
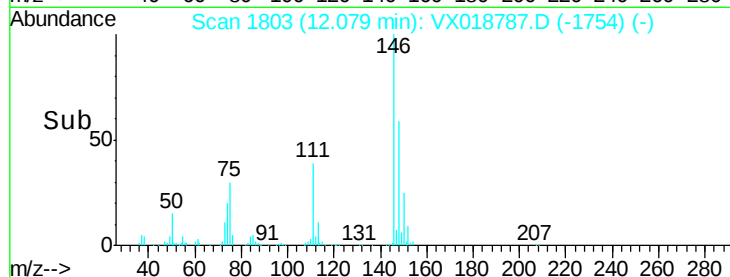
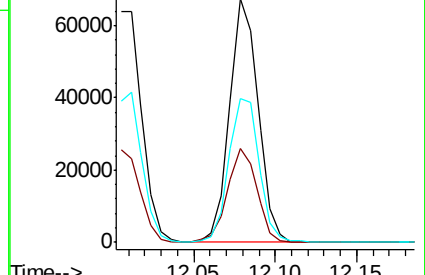
148 59.0 44.2 82.0



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



#66

1,2-Dichlorobenzene

Concen: 4.946 ug/L

RT: 12.38 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VX018787.D

Acq: 06 Oct 2020 00:42

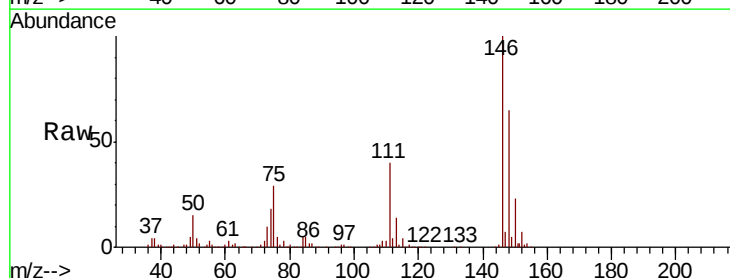
Tgt Ion:146 Resp: 74562

Ion Ratio Lower Upper

146 100

111 39.9 31.7 47.5

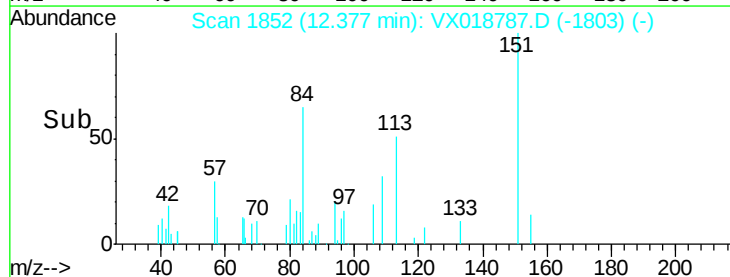
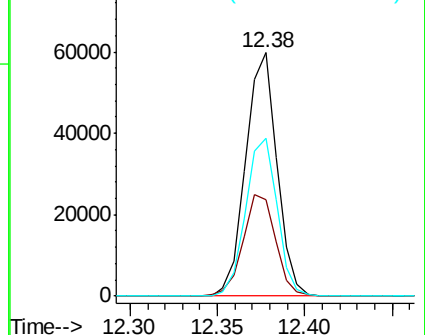
148 65.1 49.0 73.6

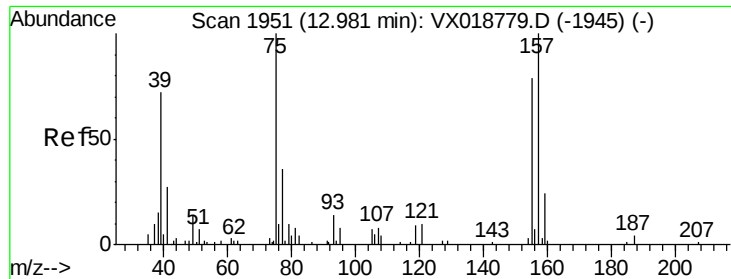


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

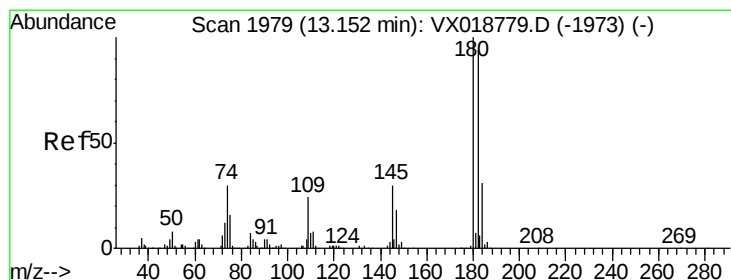
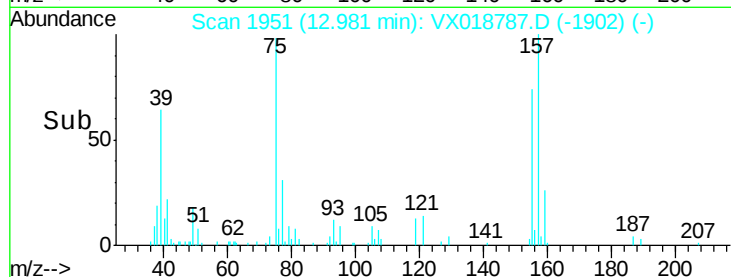
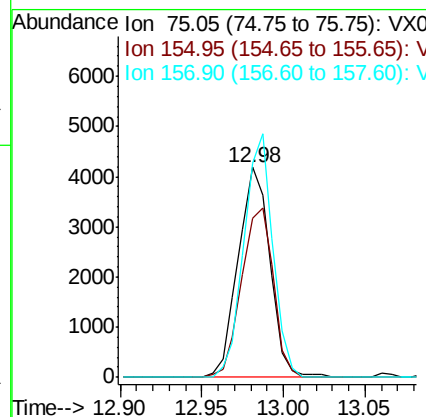
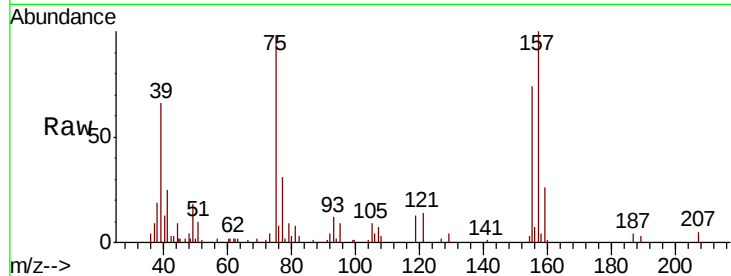




#67
 1,2-Dibromo-3-chloropropane
 Concen: 4.450 ug/L
 RT: 12.98 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VX018787.D
 Acq: 06 Oct 2020 00:42

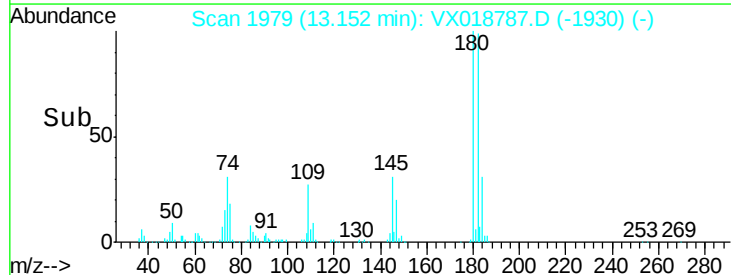
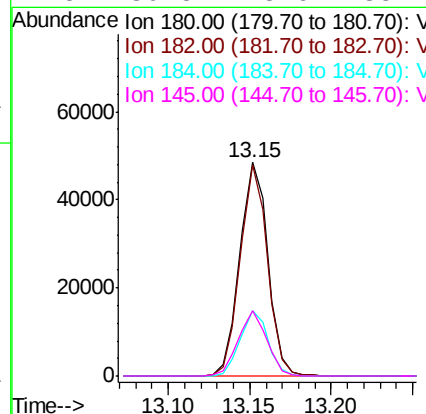
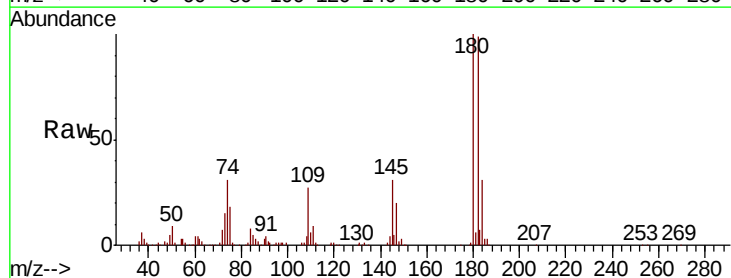
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD00594

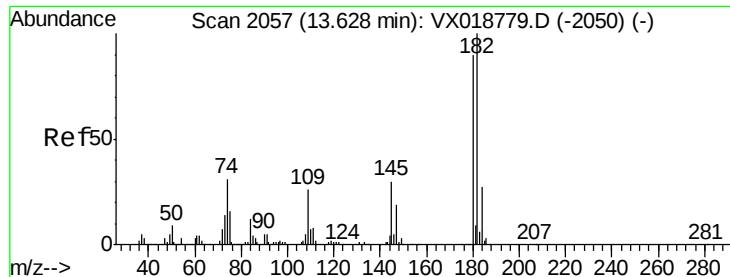
Tot Ion: 75 Resp: 5717
 Ion Ratio Lower Upper
 75 100
 155 75.5 61.1 91.7
 157 101.8 74.2 111.2



#68
 1,3,5-Trichlorobenzene
 Concen: 4.683 ug/L
 RT: 13.15 min Scan# 1979
 Delta R.T. -0.00 min
 Lab File: VX018787.D
 Acq: 06 Oct 2020 00:42

Tgt Ion: 180 Resp: 58197
 Ion Ratio Lower Upper
 180 100
 182 95.6 74.1 111.1
 184 30.1 23.4 35.2
 145 30.8 23.6 35.4





#69

1,2,4-trichlorobenzene

Concen: 4.711 ug/L

RT: 13.63 min Scan# 2057

Delta R.T. -0.00 min

Lab File: VX018787.D

Acq: 06 Oct 2020 00:42

Instrument :

MSVOA_X

ClientSampled :

VSTD00594

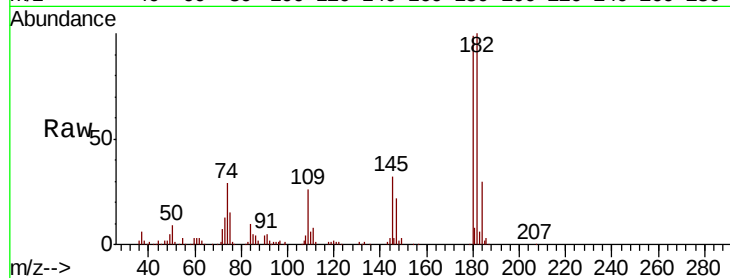
Tot Ion:180 Resp: 48609

Ion Ratio Lower Upper

180 100

182 99.3 80.2 120.4

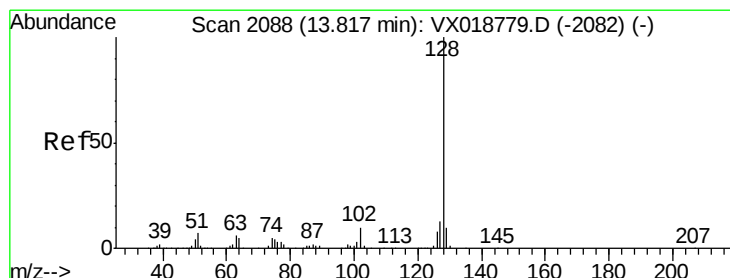
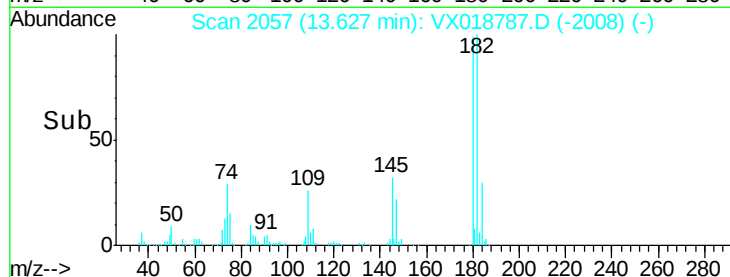
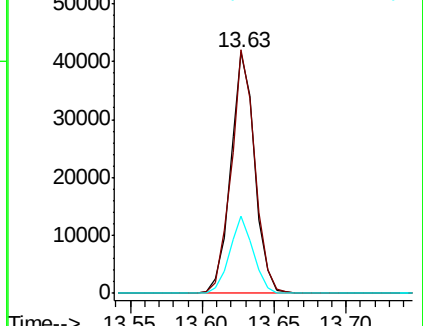
145 31.6 25.2 37.8



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V



#70

Naphthalene

Concen: 4.931 ug/L

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX018787.D

Acq: 06 Oct 2020 00:42

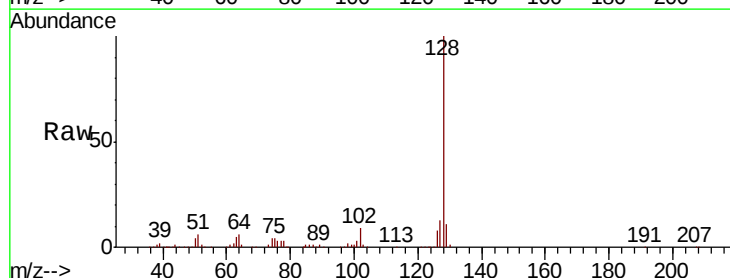
Tgt Ion:128 Resp: 83161

Ion Ratio Lower Upper

128 100

129 11.2 9.0 13.4

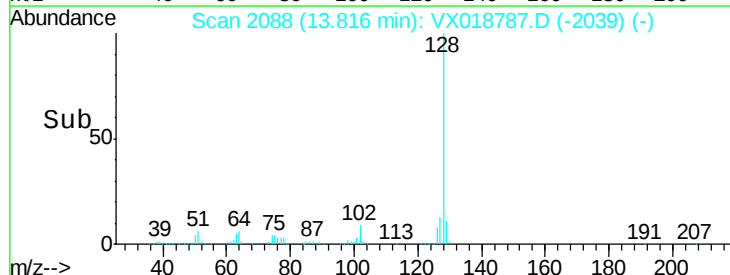
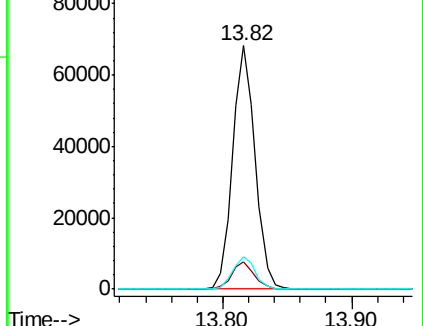
127 13.4 10.5 15.7

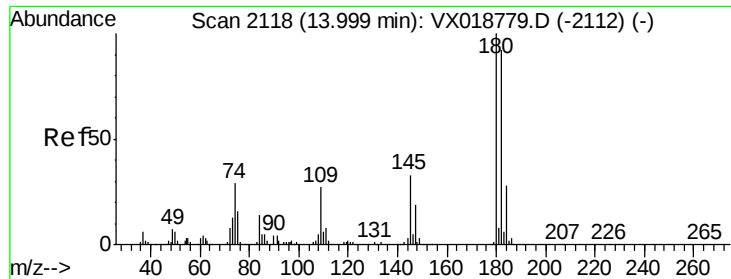


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

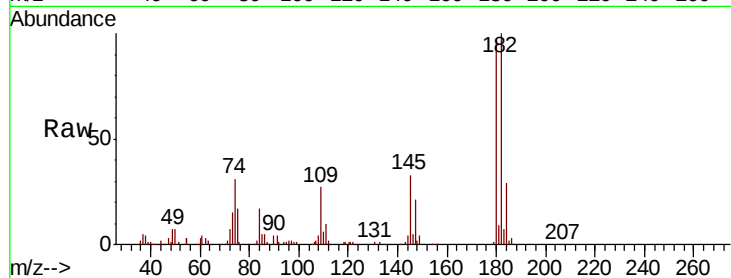




#71
 1,2,3-Trichlorobenzene
 Concen: 4.820 ug/L
 RT: 14.00 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VX018787.D
 Acq: 06 Oct 2020 00:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD00594

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	73.6	110.4
145	35.5	26.6	40.0



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

