

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102920\
 Data File : VX019170.D
 Acq On : 28 Oct 2020 17:52
 Operator : JC/MD
 Sample : VSTD00563
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005303

Quant Time: Oct 29 06:00:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SFAMXTR102920WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Oct 29 05:52:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	193286	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	173821	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.06	152	84446	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	62499	5.00	ug/L	0.00
7) Chloroethane-d5	1.70	69	52603	5.00	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.34	63	122782	5.00	ug/L	0.00
20) 2-Butanone-d5	4.56	46	144279	50.00	ug/L	0.00
24) Chloroform-d	5.14	84	120158	5.00	ug/L	0.00
26) 1,2-Dichloroethane-d4	6.03	65	63376	5.00	ug/L	0.00
32) Benzene-d6	6.05	84	238631	5.00	ug/L	0.00
36) 1,2-Dichloropropane-d6	7.37	67	68788	5.00	ug/L	0.00
41) Toluene-d8	8.70	98	228114	5.00	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.99	79	29743	5.00	ug/L	0.00
46) 2-Hexanone-d5	9.43	63	133826	50.00	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	11.23	84	53037	5.00	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.36	152	80299	5.00	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.18	85	82178	5.000	ug/L 100
3) Chloromethane	1.31	50	70923	5.000	ug/L 100
5) Vinyl chloride	1.39	62	79940	5.000	ug/L 100
6) Bromomethane	1.64	94	50659	5.000	ug/L 100
8) Chloroethane	1.72	64	48090	5.000	ug/L 100
9) Trichlorofluoromethane	1.92	101	115774	5.000	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.36	101	66155	5.000	ug/L 100
12) 1,1-Dichloroethene	2.36	96	64313	5.000	ug/L 100
13) Acetone	2.46	43	82428	50.000	ug/L 100
14) Carbon disulfide	2.55	76	193749	5.000	ug/L 100
15) Methyl Acetate	2.76	43	22511	5.000	ug/L 100
16) Methylene chloride	2.83	84	66461	5.000	ug/L 100
17) Methyl tert-butyl Ether	3.17	73	154493	5.000	ug/L 100
18) trans-1,2-Dichloroethene	3.14	96	66901	5.000	ug/L 100
19) 1,1-Dichloroethane	3.67	63	114673	5.000	ug/L 100
21) 2-Butanone	4.66	43	144314	50.000	ug/L 100
22) cis-1,2-Dichloroethene	4.56	96	70572	5.000	ug/L 100
23) Bromochloromethane	4.98	128	30187	5.000	ug/L 100
25) Chloroform	5.17	83	118028	5.000	ug/L 100
27) 1,2-Dichloroethane	6.16	62	75132	5.000	ug/L 100
29) 1,1,1-Trichloroethane	5.46	97	110538	5.000	ug/L 100
30) Cyclohexane	5.54	56	109178	5.000	ug/L 100
31) Carbon tetrachloride	5.75	117	93021	5.000	ug/L 100
33) Benzene	6.11	78	267013	5.000	ug/L 100
34) Trichloroethene	7.18	95	72814	5.000	ug/L 100
35) Methylcyclohexane	7.44	83	116920	5.000	ug/L 100
37) 1,2-Dichloropropane	7.49	63	63522	5.000	ug/L 100
38) Bromodichloromethane	7.87	83	81875	5.000	ug/L 100
39) cis-1,3-Dichloropropene	8.42	75	97159	5.000	ug/L 100
40) 4-Methyl-2-pentanone	8.62	43	347630	50.000	ug/L 100

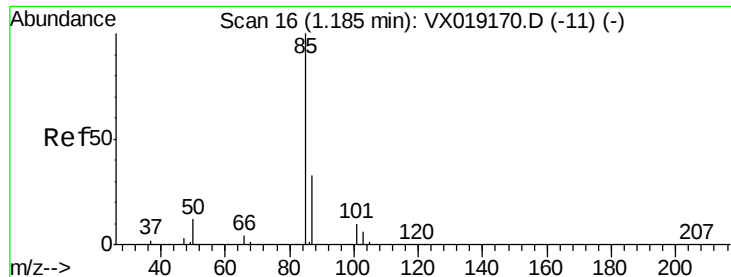
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102920\
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 QLast Update : Thu Oct 29 05:52:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.76	91	290358	5.000	ug/L	100
44) trans-1,3-Dichloropropene	9.02	75	82435	5.000	ug/L	100
45) 1,1,2-Trichloroethane	9.20	97	46573	5.000	ug/L	100
47) Tetrachloroethene	9.32	164	55561	5.000	ug/L	100
48) 2-Hexanone	9.48	43	244447	50.000	ug/L	100
49) Dibromochloromethane	9.57	129	53450	5.000	ug/L	100
50) 1,2-Dibromoethane	9.65	107	43200	5.000	ug/L	100
51) Chlorobenzene	10.12	112	181131	5.000	ug/L	100
52) Ethylbenzene	10.23	91	323844	5.000	ug/L	100
53) m,p-xylene	10.34	106	124586	5.000	ug/L	100
54) o-xylene	10.68	106	119546	5.000	ug/L	100
55) Styrene	10.70	104	197146	5.000	ug/L	100
57) 1,1,2,2-Tetrachloroethane	11.25	83	53308	5.000	ug/L	100
59) Bromoform	10.84	173	28794	5.000	ug/L	100
60) Isopropylbenzene	11.00	105	321323	5.000	ug/L	100
61) 1,2,3-Trichloropropane	11.28	75	39849	5.000	ug/L	100
62) 1,3,5-Trimethylbenzene	11.49	105	272297	5.000	ug/L	100
63) 1,2,4-Trimethylbenzene	11.79	105	275890	5.000	ug/L	100
64) 1,3-Dichlorobenzene	12.01	146	144022	5.000	ug/L	100
65) 1,4-Dichlorobenzene	12.08	146	140303	5.000	ug/L	100
67) 1,2-Dichlorobenzene	12.38	146	131580	5.000	ug/L	100
68) 1,2-Dibromo-3-chloropropan	12.98	75	9197	5.000	ug/L	100
69) 1,3,5-Trichlorobenzene	13.15	180	107495	5.000	ug/L	100
70) 1,2,4-trichlorobenzene	13.63	180	91453	5.000	ug/L	100
71) Naphthalene	13.82	128	170317	5.000	ug/L	100
72) 1,2,3-Trichlorobenzene	14.00	180	81304	5.000	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 5.000 ug/L

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX019170.D

Acq: 28 Oct 2020 17:52

Instrument :

MSVOA_X

ClientSampleId :

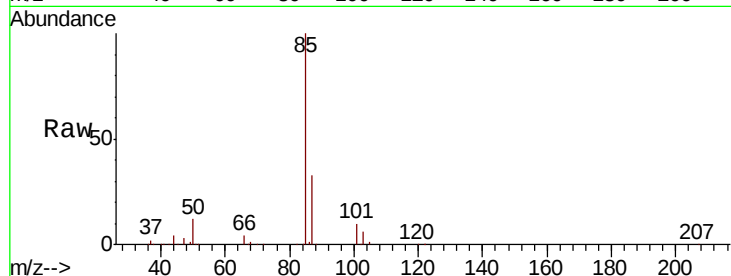
VSTD005303

Tot Ion: 85 Resp: 82178

Ion Ratio Lower Upper

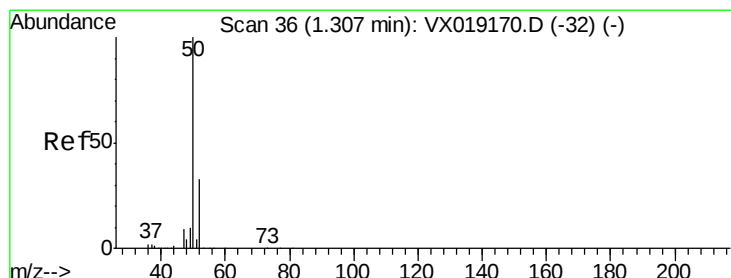
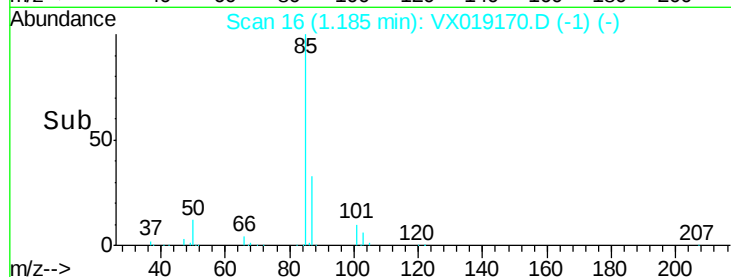
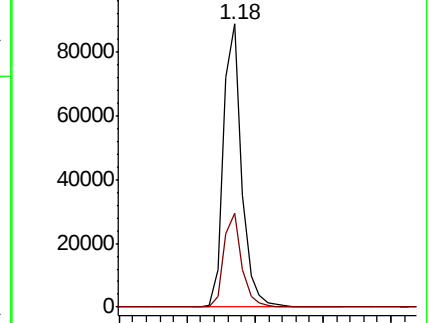
85 100

87 32.6 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: 5.000 ug/L

RT: 1.31 min Scan# 36

Delta R.T. 0.00 min

Lab File: VX019170.D

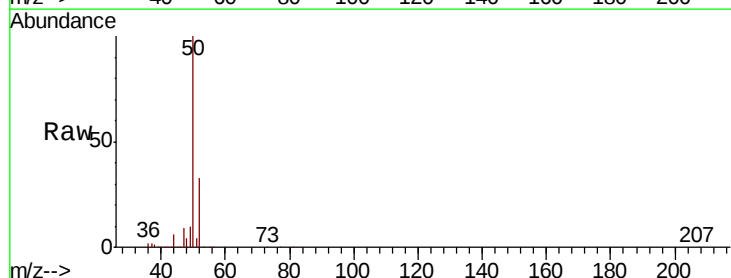
Acq: 28 Oct 2020 17:52

Tgt Ion: 50 Resp: 70923

Ion Ratio Lower Upper

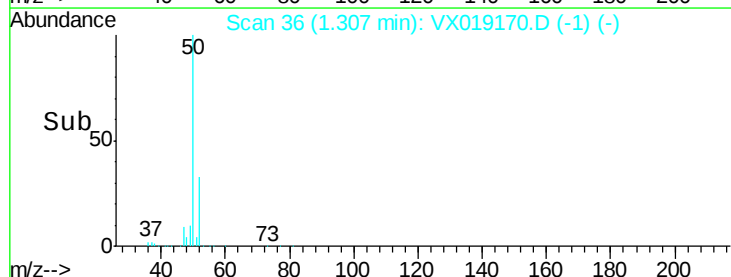
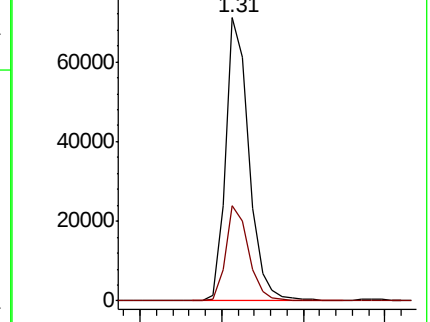
50 100

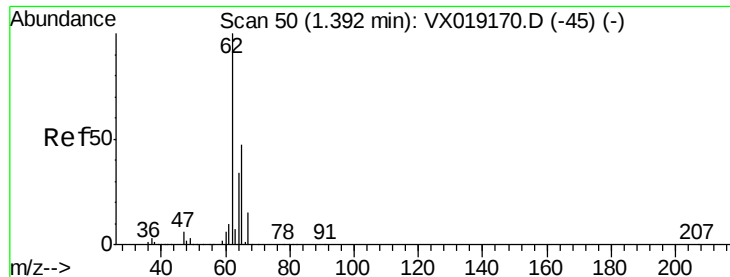
52 33.5 23.4 43.6



Abundance Ion 50.05 (49.75 to 50.75): VX0

Ion 52.05 (51.75 to 52.75): VX0





#5

Vinyl chloride

Concen: 5.000 ug/L

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX019170.D

Acq: 28 Oct 2020 17:52

Instrument :

MSVOA_X

ClientSampleId :

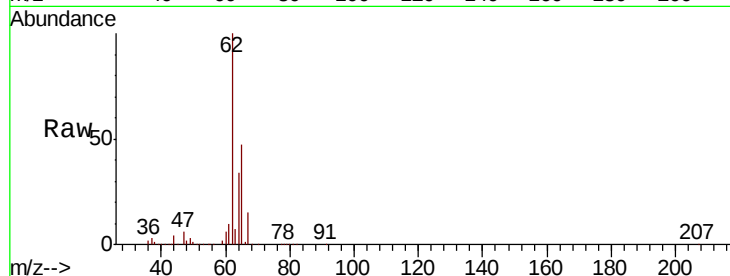
VSTD005303

Tot Ion: 62 Resp: 79940

Ion Ratio Lower Upper

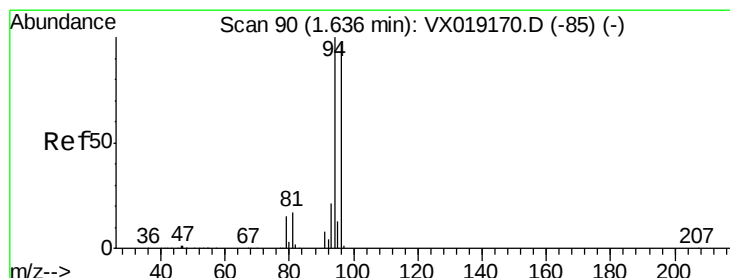
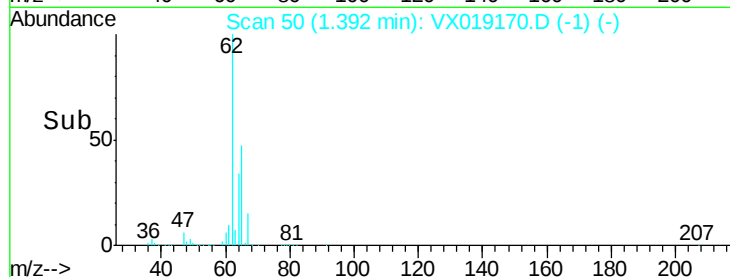
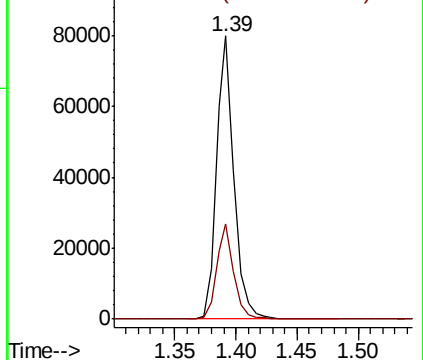
62 100

64 33.6 23.5 43.7



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.10 (63.80 to 64.80): VX0



#6

Bromomethane

Concen: 5.000 ug/L

RT: 1.64 min Scan# 90

Delta R.T. 0.00 min

Lab File: VX019170.D

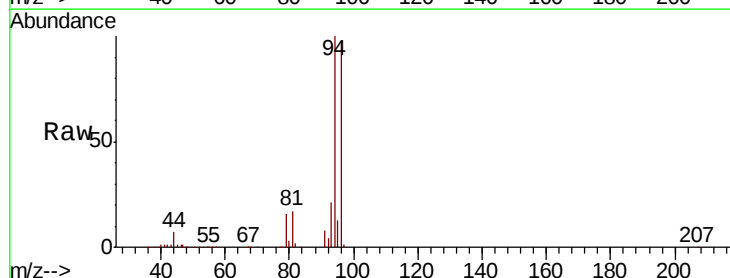
Acq: 28 Oct 2020 17:52

Tgt Ion: 94 Resp: 50659

Ion Ratio Lower Upper

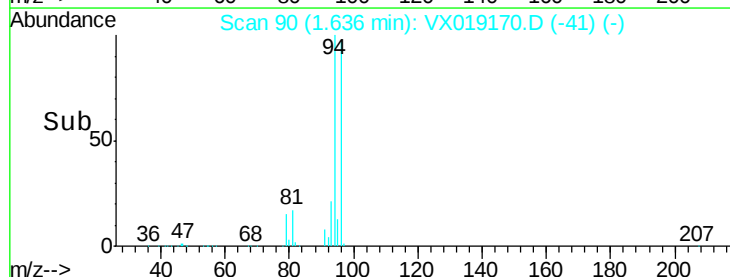
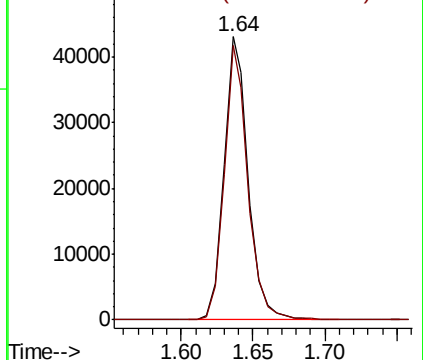
94 100

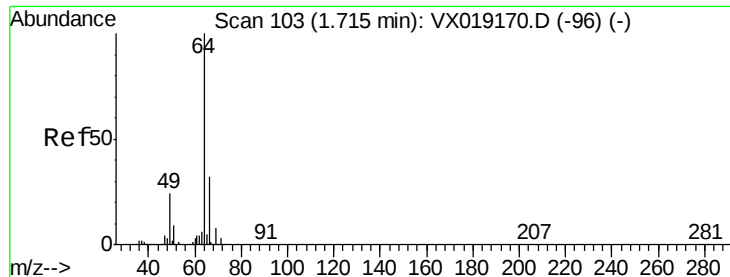
96 97.0 67.9 126.1



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0

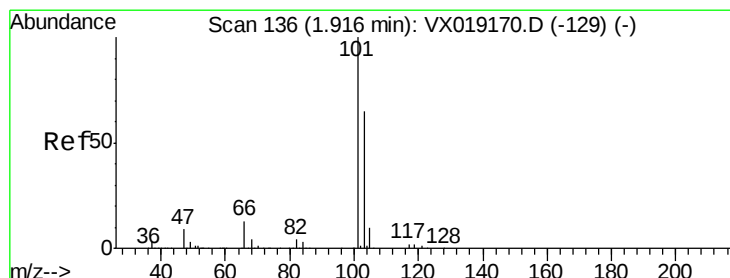
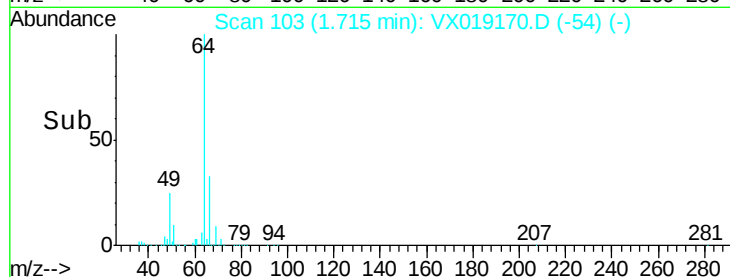
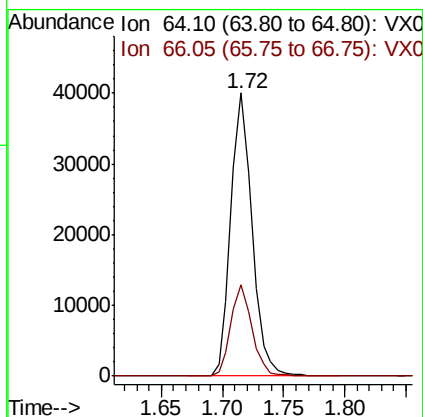
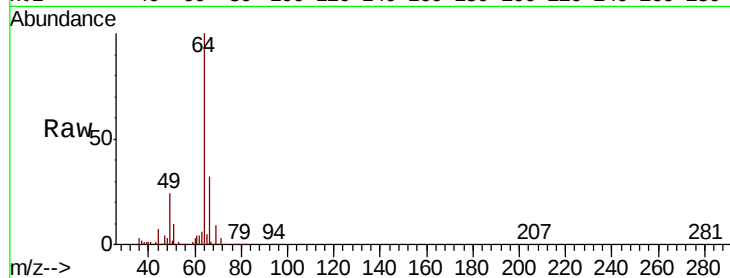




#8
Chloroethane
Concen: 5.000 ug/L
RT: 1.72 min Scan# 103
Delta R.T. 0.00 min
Lab File: VX019170.D
Acq: 28 Oct 2020 17:52

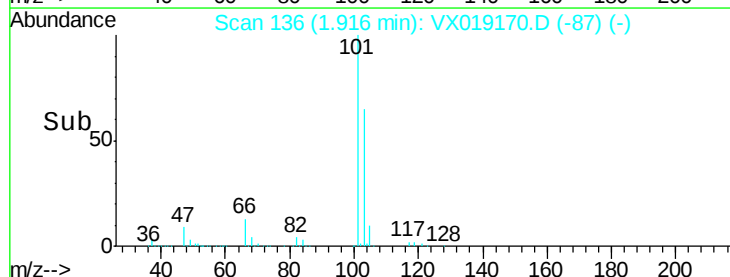
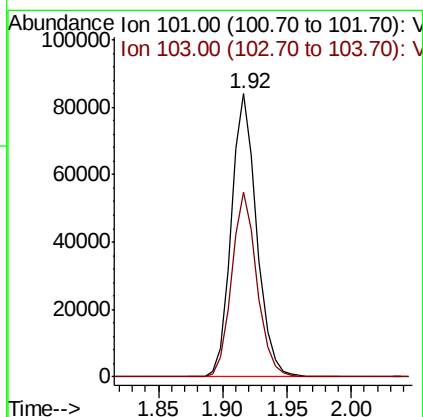
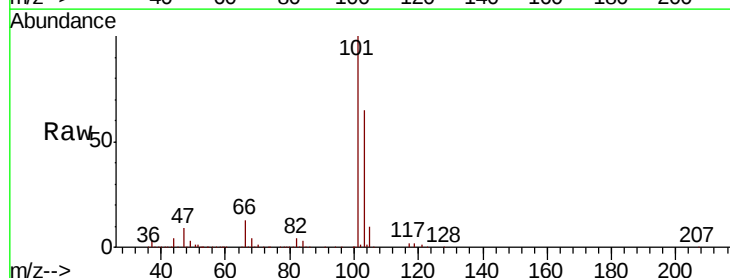
Instrument :
MSVOA_X
ClientSampleId :
VSTD005303

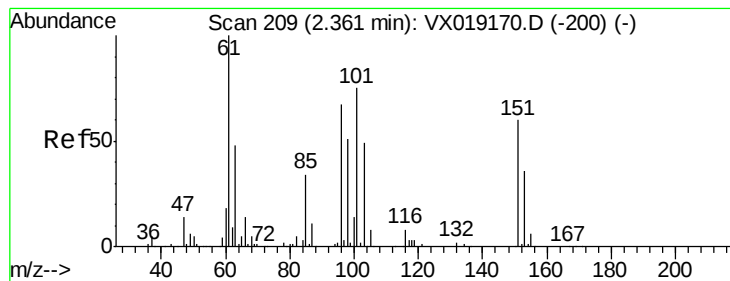
Tot Ion: 64 Resp: 48090
Ion Ratio Lower Upper
64 100
66 32.4 22.7 42.1



#9
Trichlorofluoromethane
Concen: 5.000 ug/L
RT: 1.92 min Scan# 136
Delta R.T. 0.00 min
Lab File: VX019170.D
Acq: 28 Oct 2020 17:52

Tgt Ion: 101 Resp: 115774
Ion Ratio Lower Upper
101 100
103 64.9 51.9 77.9





#10

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

Concen: 5.000 ug/L

RT: 2.36 min Scan# 209

Delta R.T. 0.00 min

Lab File: VX019170.D

Acq: 28 Oct 2020 17:52

Instrument :

MSVOA_X

ClientSampleId :

VSTD005303

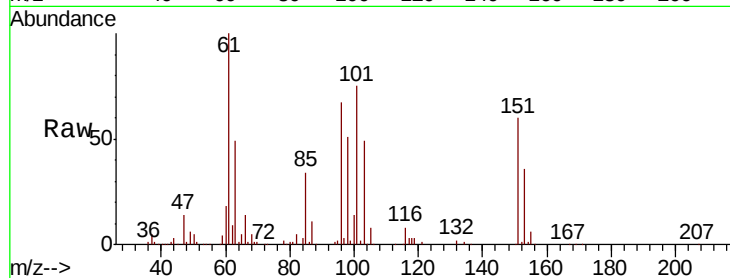
Tot Ion:101 Resp: 66155

Ion Ratio Lower Upper

101 100

85 44.1 35.3 52.9

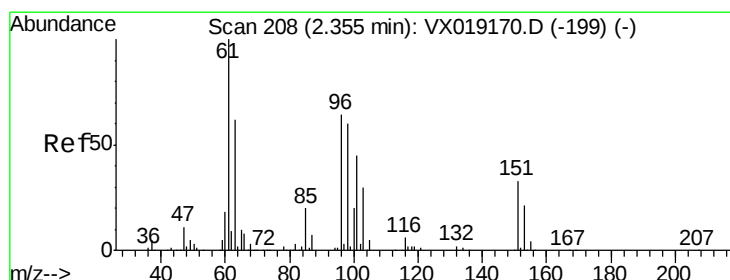
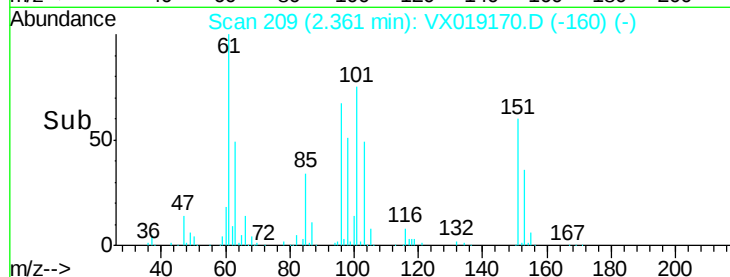
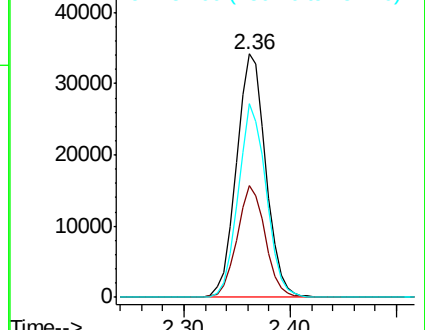
151 76.1 60.9 91.3



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: 5.000 ug/L

RT: 2.36 min Scan# 208

Delta R.T. 0.00 min

Lab File: VX019170.D

Acq: 28 Oct 2020 17:52

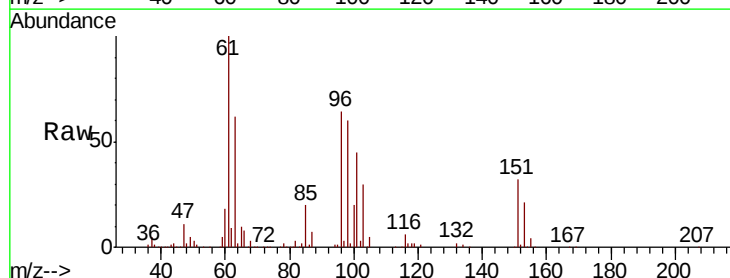
Tgt Ion: 96 Resp: 64313

Ion Ratio Lower Upper

96 100

61 156.4 109.5 203.3

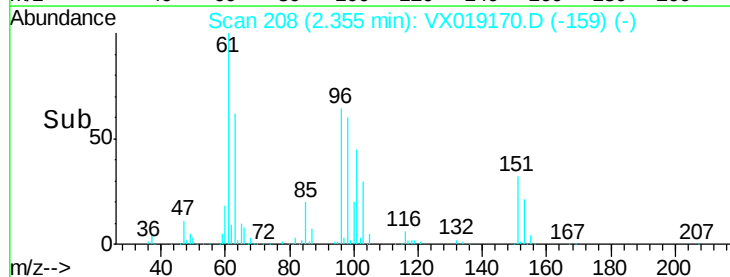
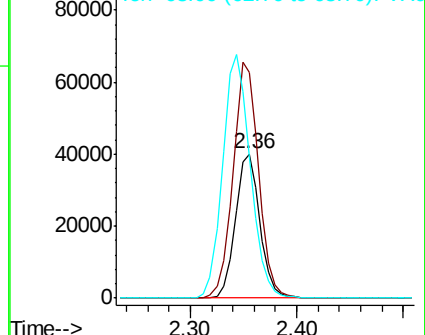
63 97.6 68.3 126.9

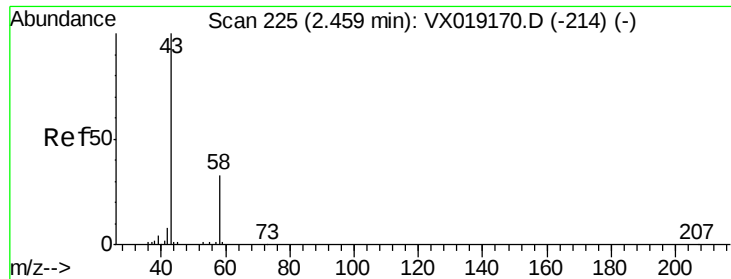


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.05 (60.75 to 61.75): VX0

Ion 63.00 (62.70 to 63.70): VX0





#13

Acetone

Concen: 50.000 ug/L

RT: 2.46 min Scan# 225

Delta R.T. 0.00 min

Lab File: VX019170.D

Acq: 28 Oct 2020 17:52

Instrument :

MSVOA_X

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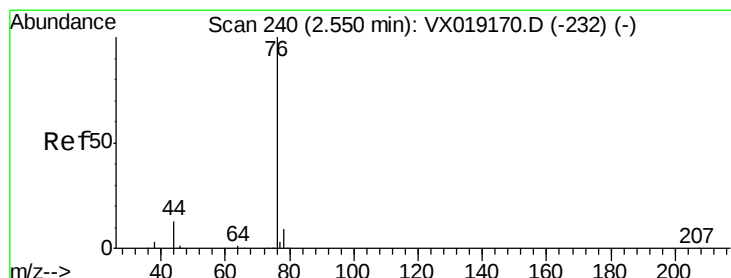
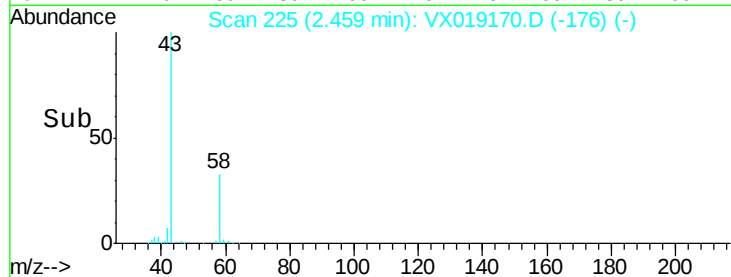
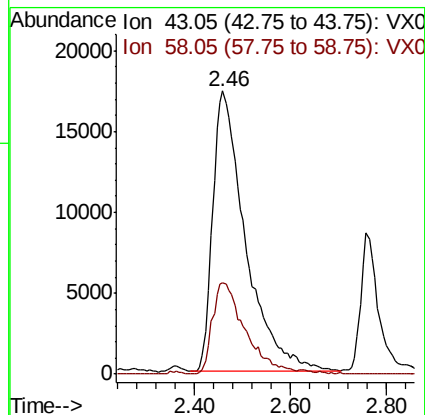
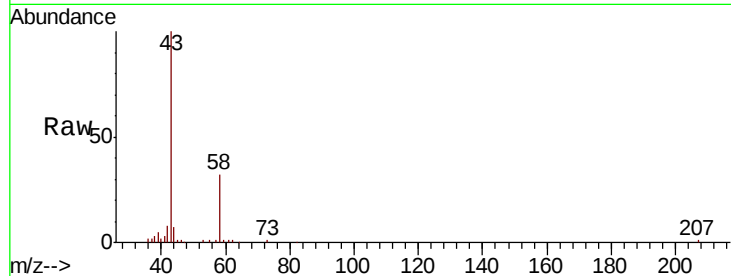
VSTD005303

Tot Ion: 43 Resp: 82428

Ion Ratio Lower Upper

43 100

58 32.7 0.0 65.4



#14

Carbon disulfide

Concen: 5.000 ug/L

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX019170.D

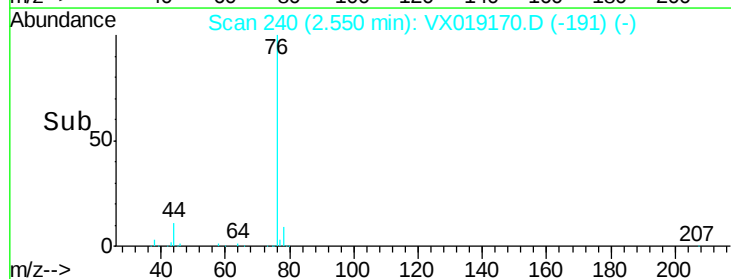
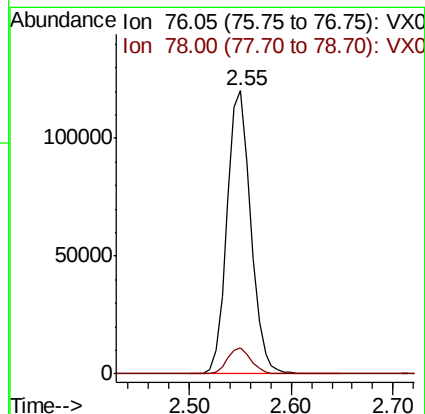
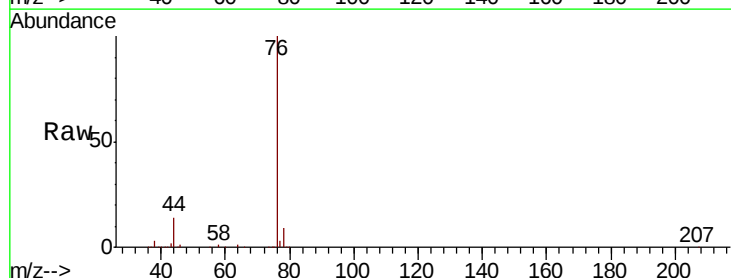
Acq: 28 Oct 2020 17:52

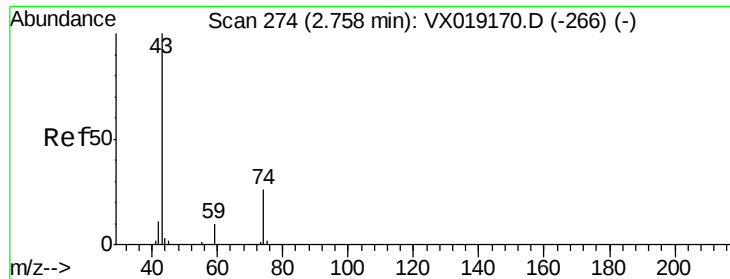
Tgt Ion: 76 Resp: 193749

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0

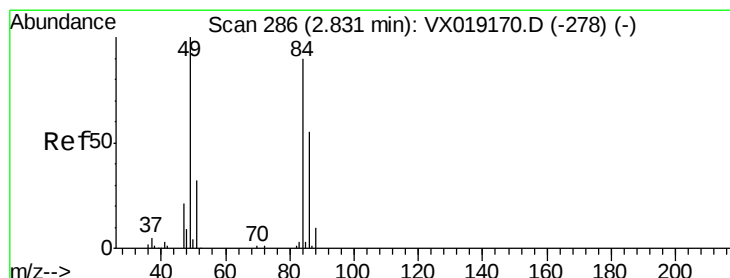
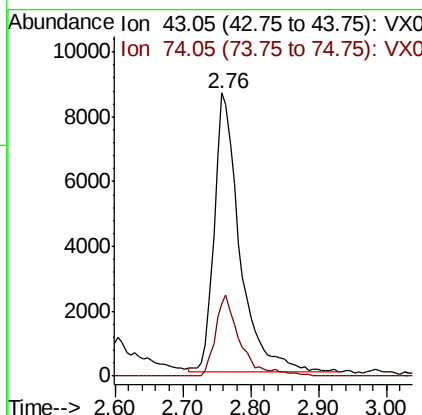
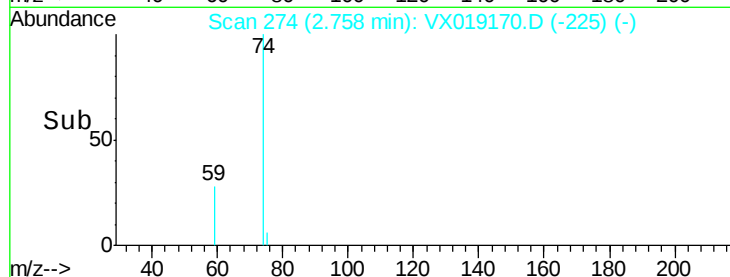
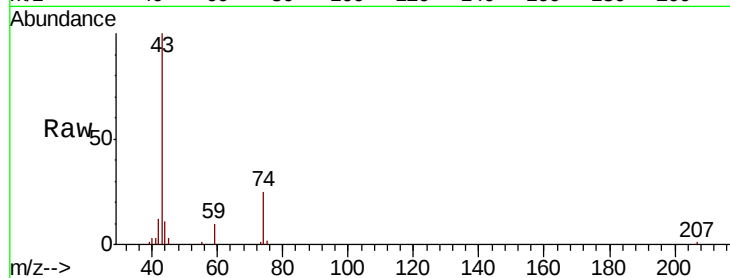




#15
Methyl Acetate
Concen: 5.000 ug/L
RT: 2.76 min Scan# 274
Delta R.T. 0.00 min
Lab File: VX019170.D
Acq: 28 Oct 2020 17:52

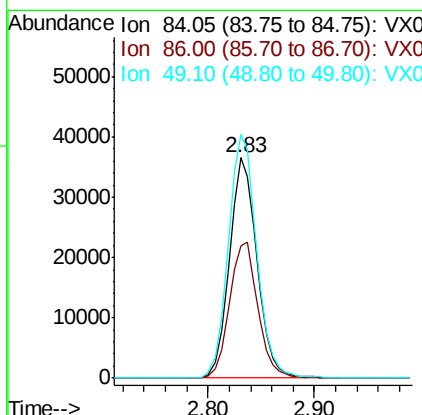
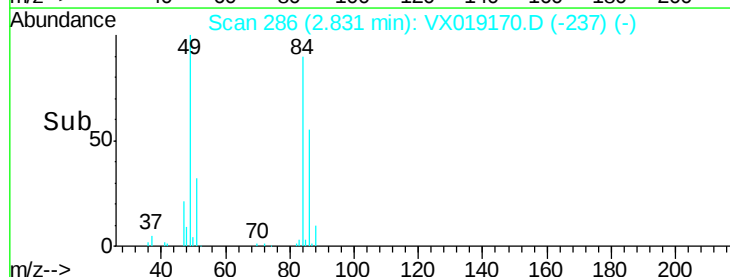
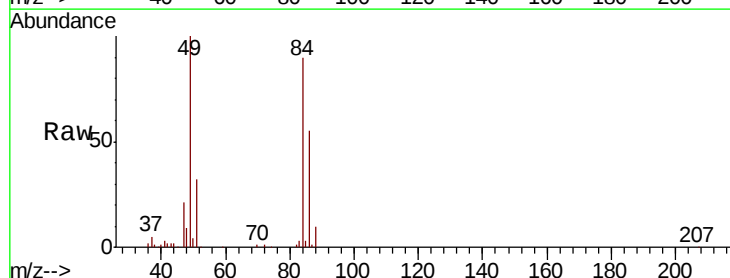
Instrument :
MSVOA_X
ClientSampleId :
VSTD005303

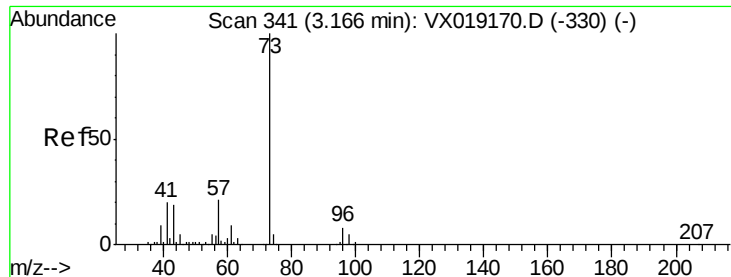
Tot Ion: 43 Resp: 22511
Ion Ratio Lower Upper
43 100
74 27.9 22.3 33.5



#16
Methylene chloride
Concen: 5.000 ug/L
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX019170.D
Acq: 28 Oct 2020 17:52

Tgt Ion: 84 Resp: 66461
Ion Ratio Lower Upper
84 100
86 60.3 42.2 78.4
49 110.7 77.5 143.9



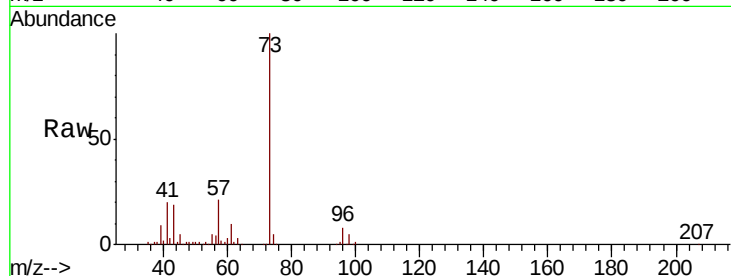


#17

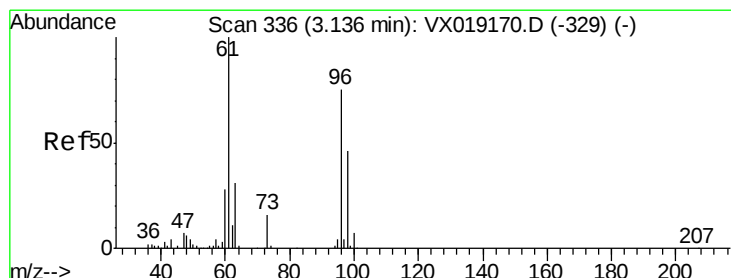
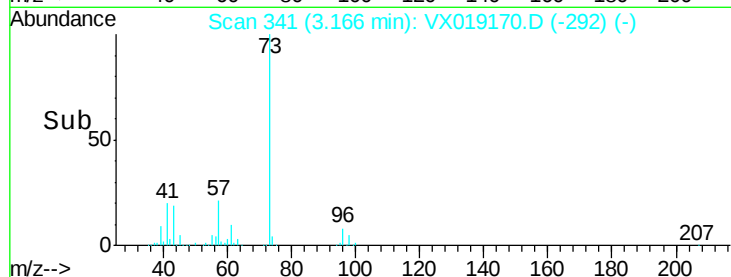
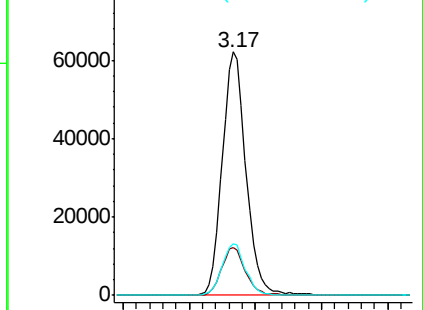
Methyl tert-butyl Ether
 Concen: 5.000 ug/L
 RT: 3.17 min Scan# 341
 Delta R.T. 0.00 min
 Lab File: VX019170.D
 Acq: 28 Oct 2020 17:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005303

Tot Ion	Ratio	Lower	Upper
73	100		
43	20.1	16.1	24.1
57	21.0	16.8	25.2



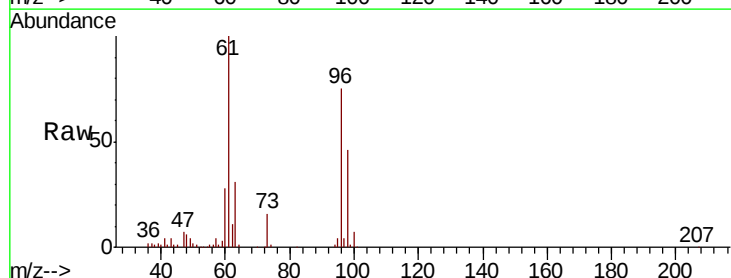
Abundance Ion 73.10 (72.80 to 73.80): VX0
 Ion 43.05 (42.75 to 43.75): VX0
 Ion 57.10 (56.80 to 57.80): VX0



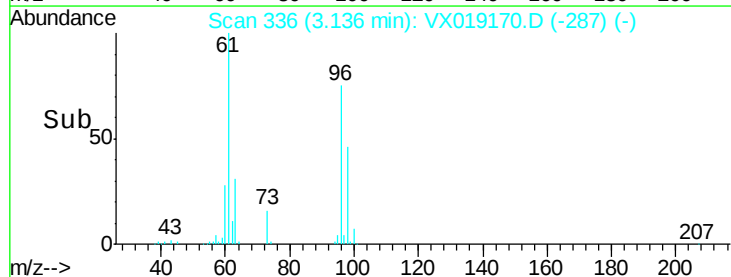
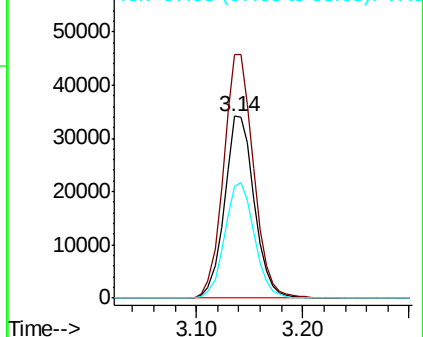
#18

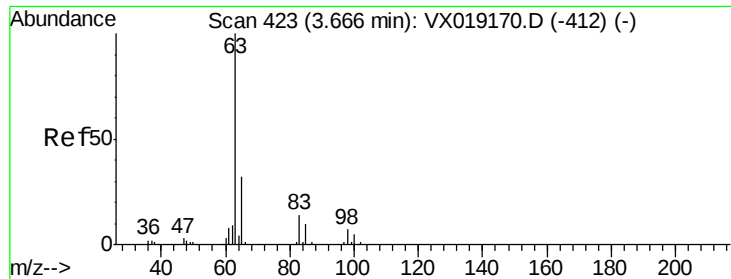
trans-1,2-Dichloroethene
 Concen: 5.000 ug/L
 RT: 3.14 min Scan# 336
 Delta R.T. 0.00 min
 Lab File: VX019170.D
 Acq: 28 Oct 2020 17:52

Tgt Ion	Ratio	Lower	Upper
96	100		
61	133.8	93.7	173.9
98	61.2	42.8	79.6



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

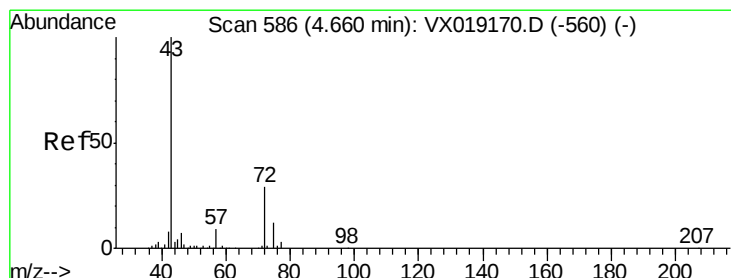
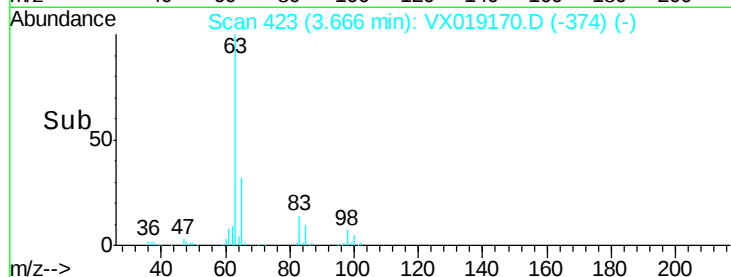
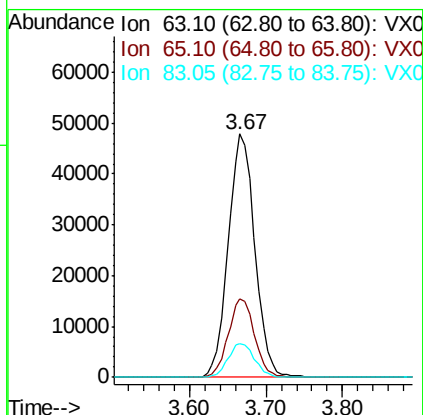
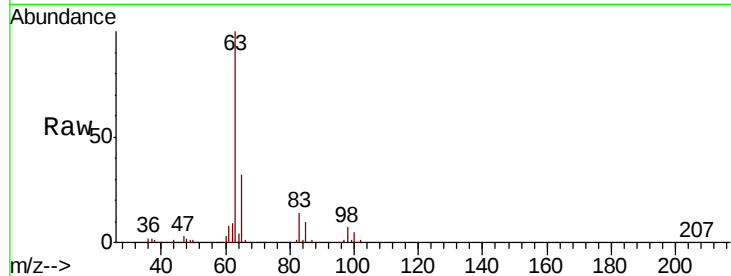




#19
 1,1-Dichloroethane
 Concen: 5.000 ug/L
 RT: 3.67 min Scan# 423
 Delta R.T. 0.00 min
 Lab File: VX019170.D
 Acq: 28 Oct 2020 17:52

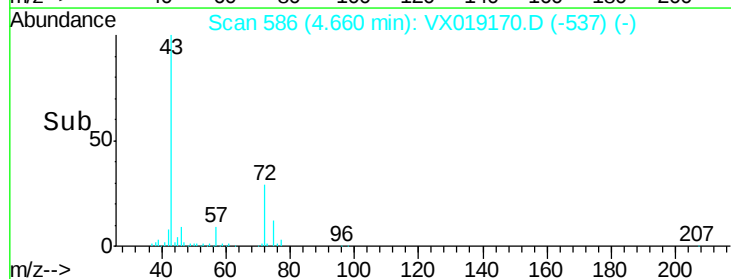
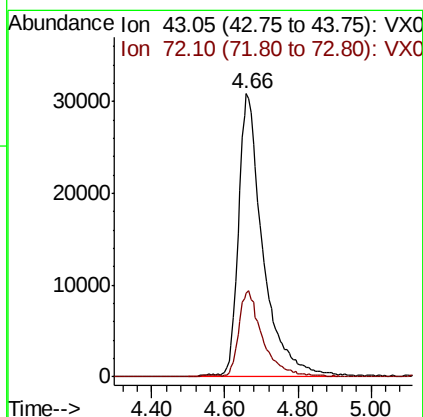
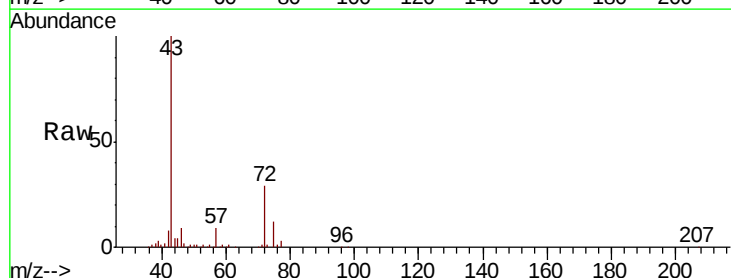
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005303

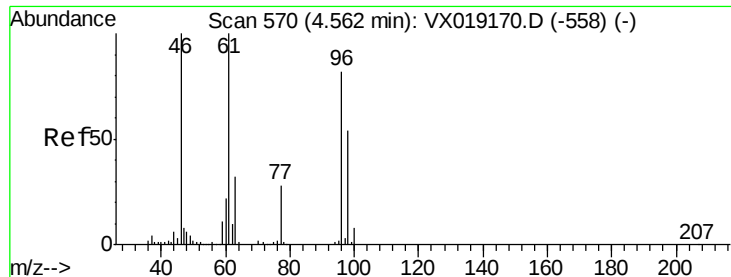
Tot Ion: 63 Resp: 114673
 Ion Ratio Lower Upper
 63 100
 65 32.2 22.5 41.9
 83 13.8 9.7 17.9



#21
 2-Butanone
 Concen: 50.000 ug/L
 RT: 4.66 min Scan# 586
 Delta R.T. 0.00 min
 Lab File: VX019170.D
 Acq: 28 Oct 2020 17:52

Tgt Ion: 43 Resp: 144314
 Ion Ratio Lower Upper
 43 100
 72 28.9 14.4 43.4



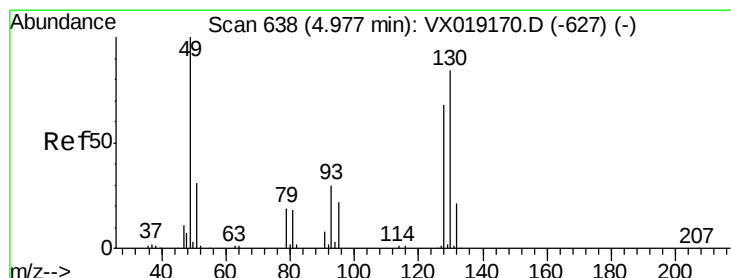
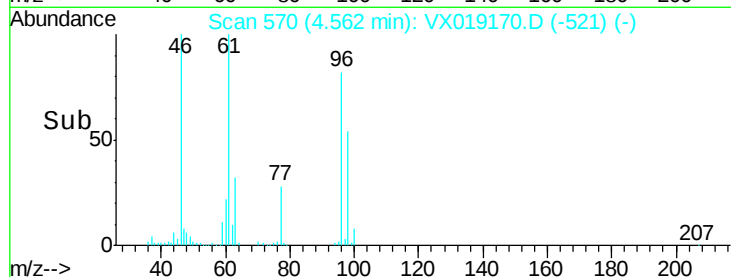
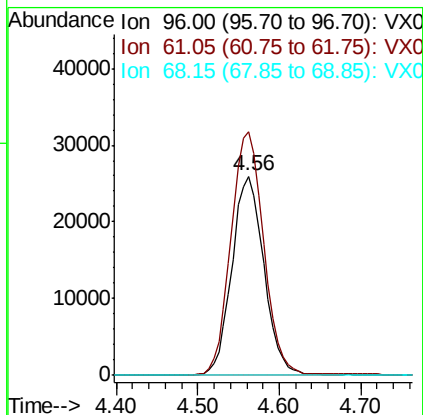
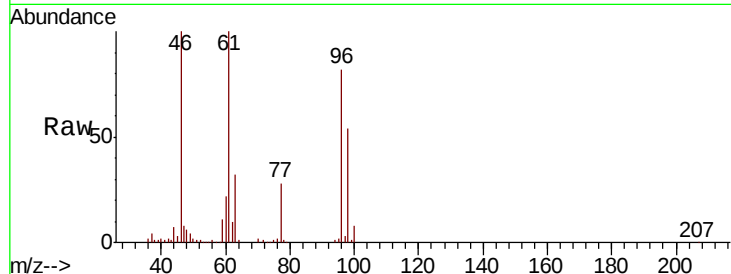


#22

cis-1,2-Dichloroethene
Concen: 5.000 ug/L
RT: 4.56 min Scan# 570
Delta R.T. 0.00 min
Lab File: VX019170.D
Acq: 28 Oct 2020 17:52

Instrument :
MSVOA_X
ClientSampleId :
VSTD005303

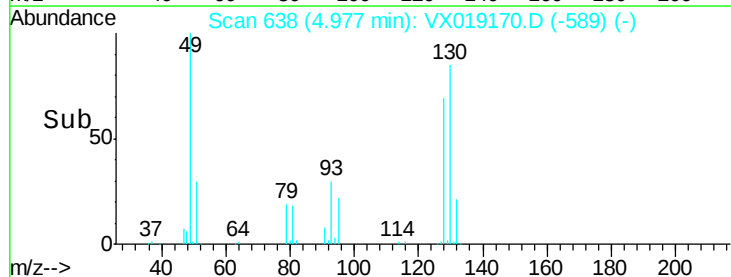
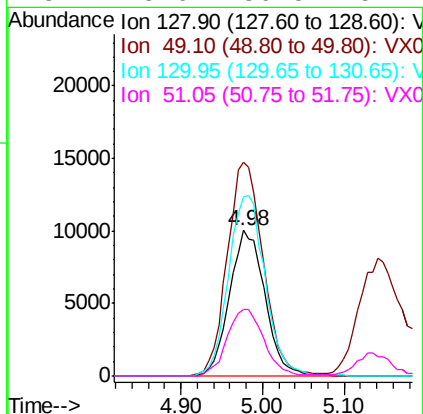
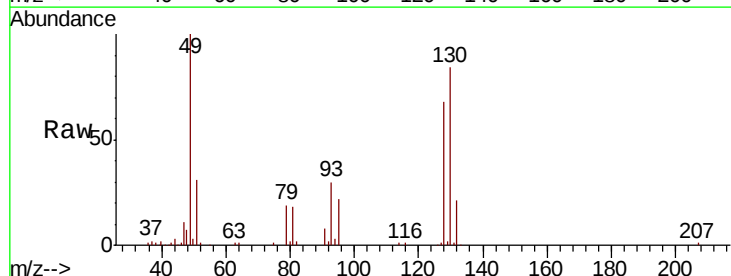
Tot Ion: 96 Resp: 70572
Ion Ratio Lower Upper
96 100
61 122.4 85.7 159.1
68 0.0 0.0 0.0

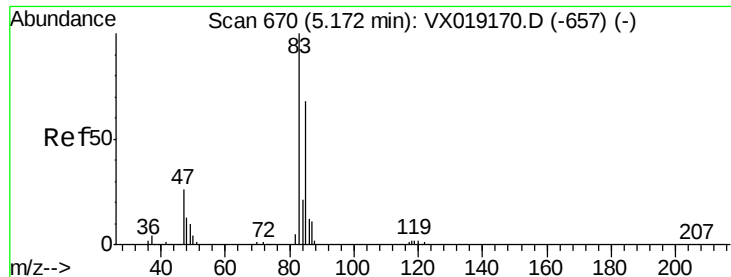


#23

Bromochloromethane
Concen: 5.000 ug/L
RT: 4.98 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX019170.D
Acq: 28 Oct 2020 17:52

Tgt Ion: 128 Resp: 30187
Ion Ratio Lower Upper
128 100
49 146.9 102.8 191.0
130 123.3 86.3 160.3
51 45.6 36.5 54.7

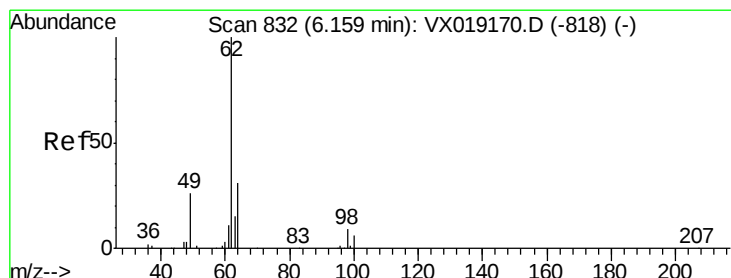
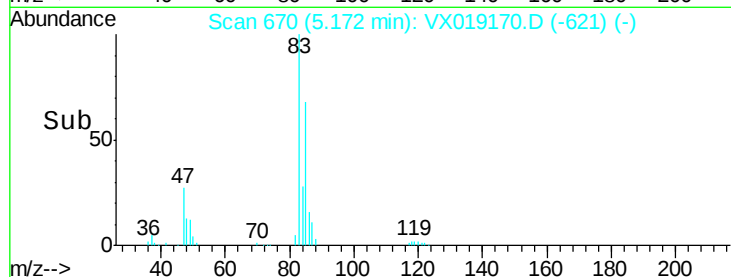
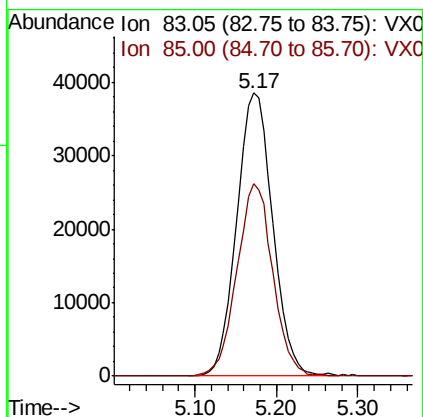
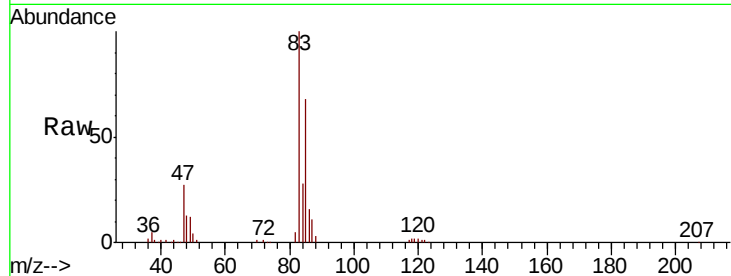




#25
Chloroform
Concen: 5.000 ug/L
RT: 5.17 min Scan# 670
Delta R.T. 0.00 min
Lab File: VX019170.D
Acq: 28 Oct 2020 17:52

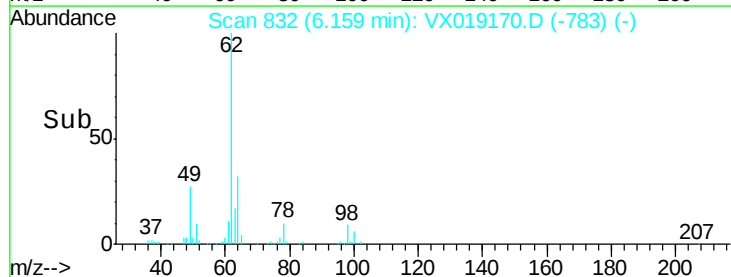
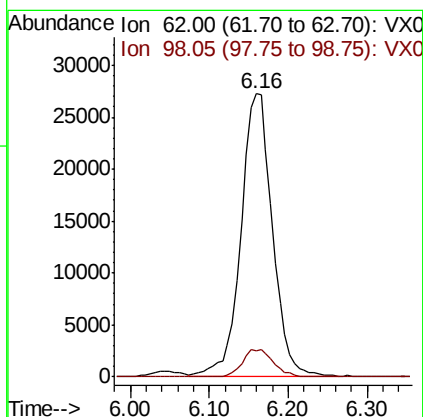
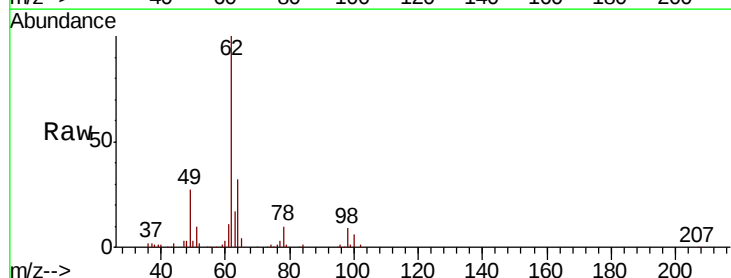
Instrument :
MSVOA_X
ClientSampleId :
VSTD005303

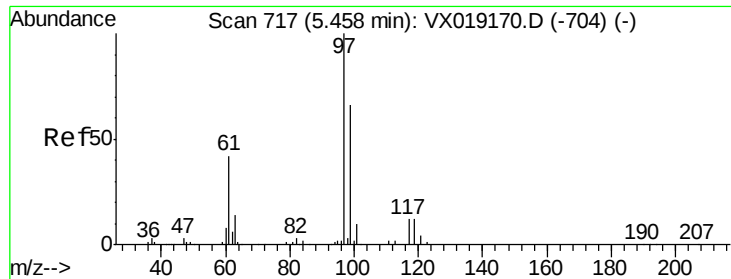
Tot Ion: 83 Resp: 118028
Ion Ratio Lower Upper
83 100
85 68.0 47.6 88.4



#27
1,2-Dichloroethane
Concen: 5.000 ug/L
RT: 6.16 min Scan# 832
Delta R.T. 0.00 min
Lab File: VX019170.D
Acq: 28 Oct 2020 17:52

Tgt Ion: 62 Resp: 75132
Ion Ratio Lower Upper
62 100
98 9.2 7.4 11.0

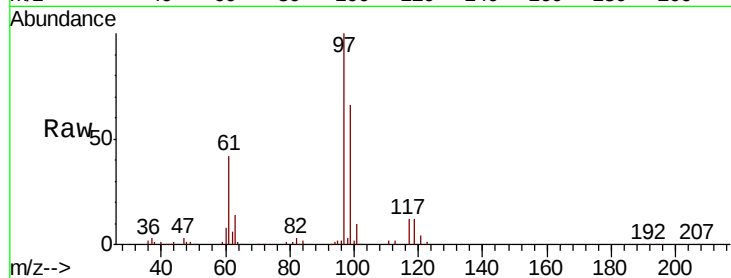




#29
 1,1,1-Trichloroethane
 Concen: 5.000 ug/L
 RT: 5.46 min Scan# 717
 Delta R.T. 0.00 min
 Lab File: VX019170.D
 Acq: 28 Oct 2020 17:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005303

Tot Ion	97	Resp	110538
Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.8	77.8
61	43.1	34.5	51.7

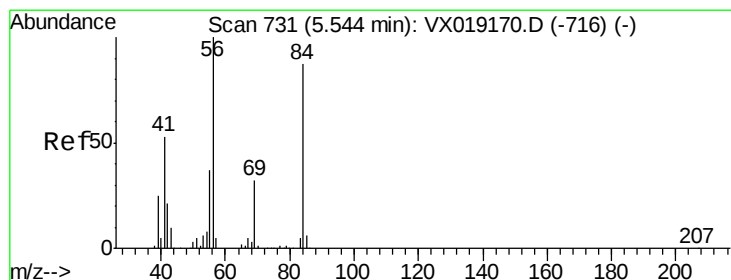
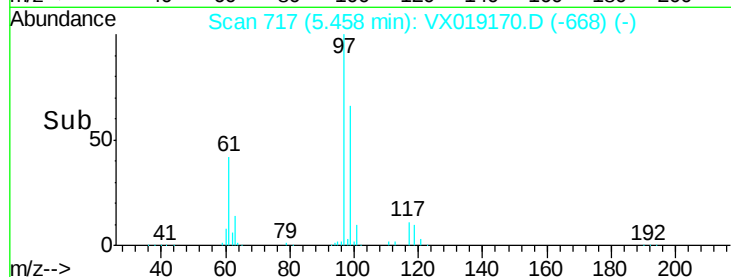
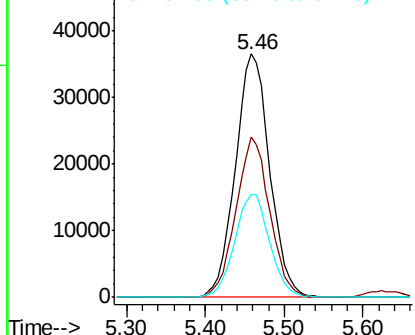


Abundance

Ion 96.95 (96.65 to 97.65): VX0

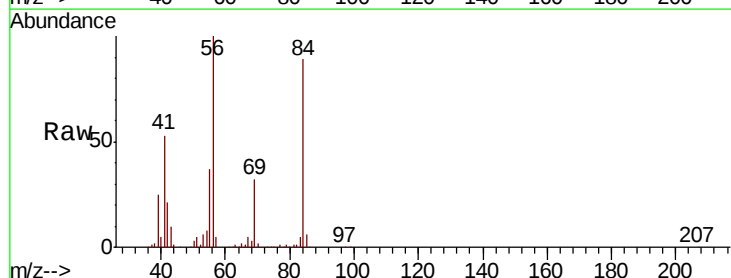
Ion 99.05 (98.75 to 99.75): VX0

Ion 61.05 (60.75 to 61.75): VX0



#30
 Cyclohexane
 Concen: 5.000 ug/L
 RT: 5.54 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: VX019170.D
 Acq: 28 Oct 2020 17:52

Tgt Ion	56	Resp	109178
Ion	Ratio	Lower	Upper
56	100		
69	32.7	26.2	39.2
84	93.1	74.5	111.7

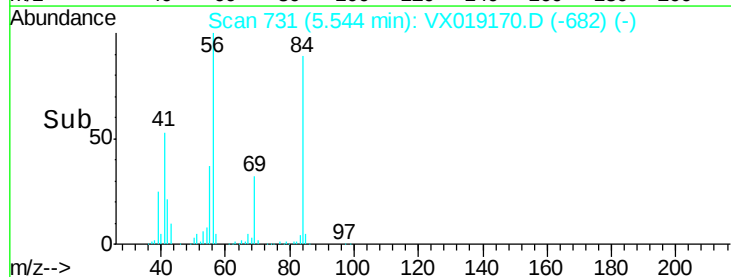
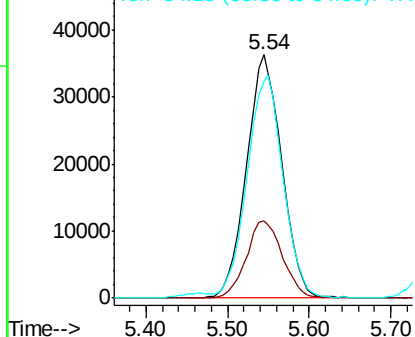


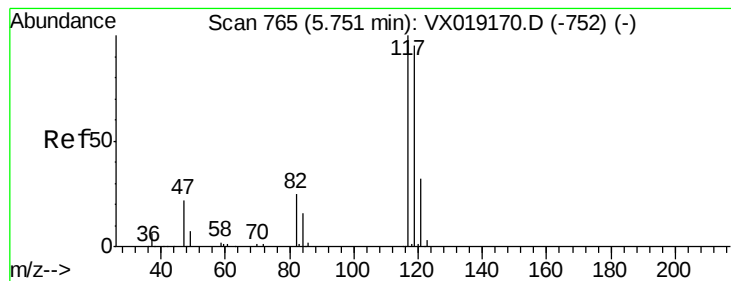
Abundance

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: 5.000 ug/L

RT: 5.75 min Scan# 765

Delta R.T. 0.00 min

Lab File: VX019170.D

Acq: 28 Oct 2020 17:52

Instrument :

MSVOA_X

ClientSampleId :

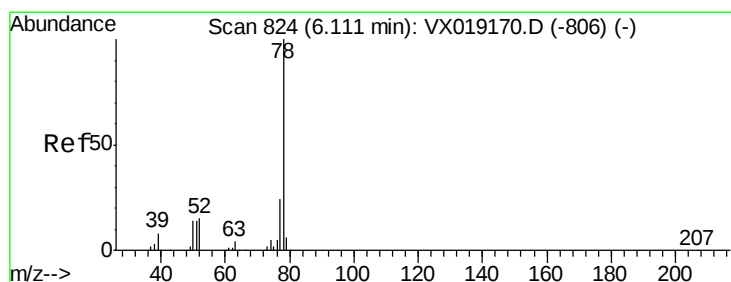
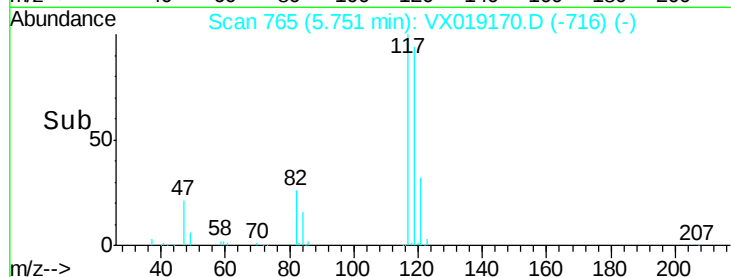
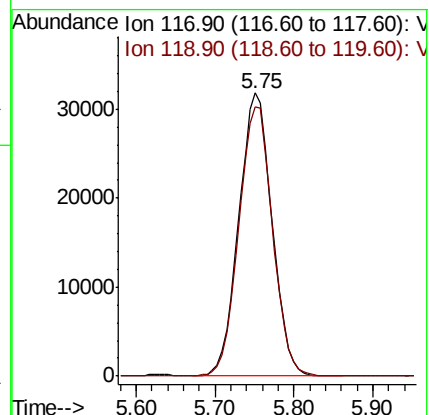
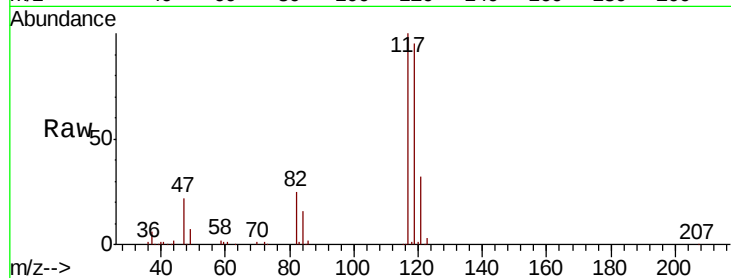
VSTD005303

Tot Ion:117 Resp: 93021

Ion Ratio Lower Upper

117 100

119 96.6 77.3 115.9



#33

Benzene

Concen: 5.000 ug/L

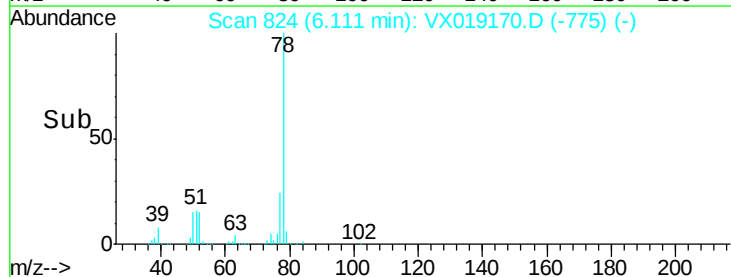
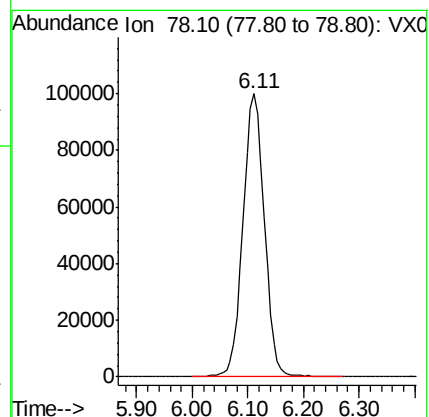
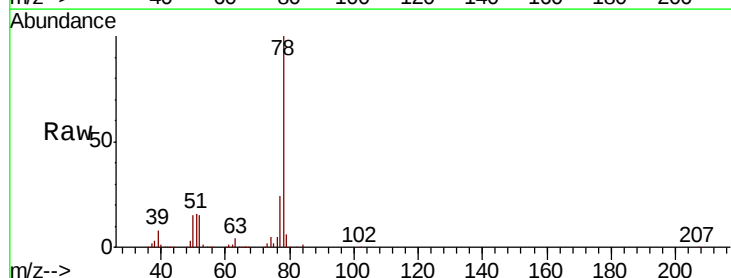
RT: 6.11 min Scan# 824

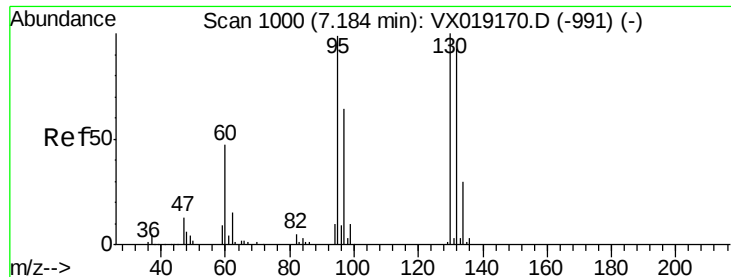
Delta R.T. 0.00 min

Lab File: VX019170.D

Acq: 28 Oct 2020 17:52

Tgt Ion: 78 Resp: 267013

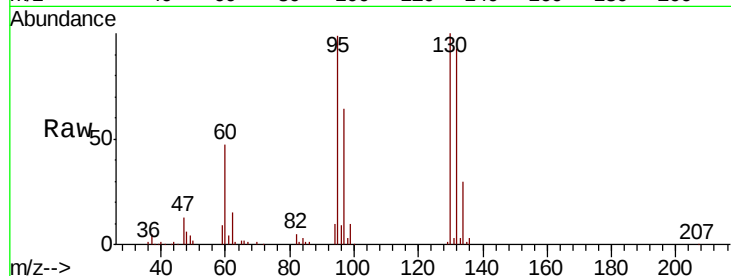




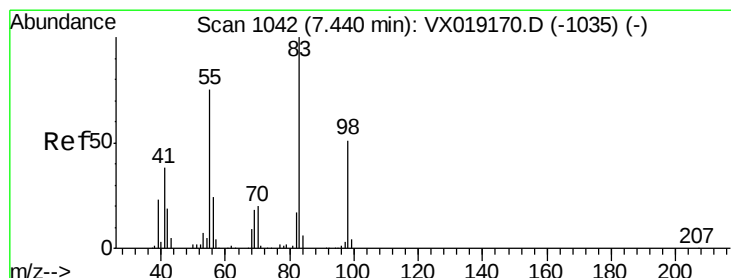
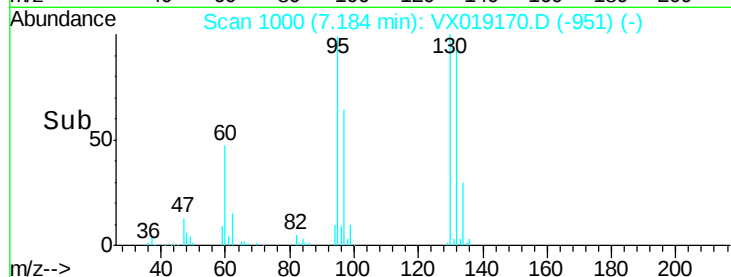
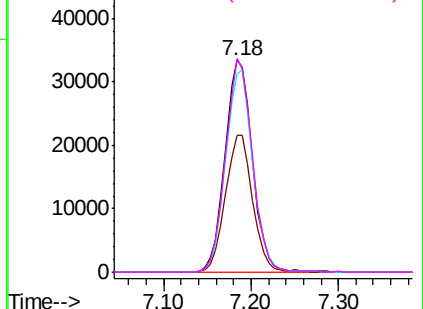
#34
 Trichloroethene
 Concen: 5.000 ug/L
 RT: 7.18 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VX019170.D
 Acq: 28 Oct 2020 17:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005303

Tot Ion: 95 Resp: 72814
 Ion Ratio Lower Upper
 95 100
 97 64.6 45.2 84.0
 132 93.3 65.3 121.3
 130 100.8 70.6 131.0

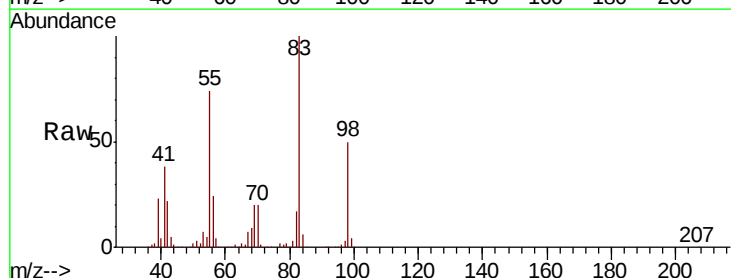


Abundance Ion 95.00 (94.70 to 95.70): VX0
 Ion 96.95 (96.65 to 97.65): VX0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

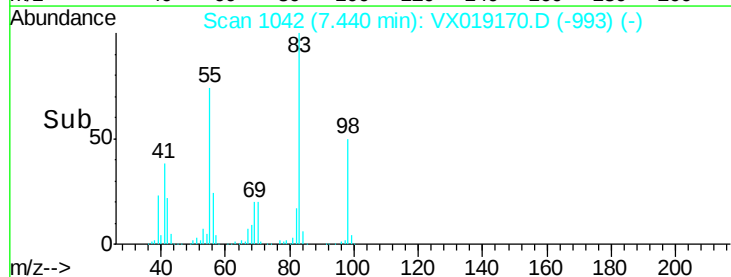
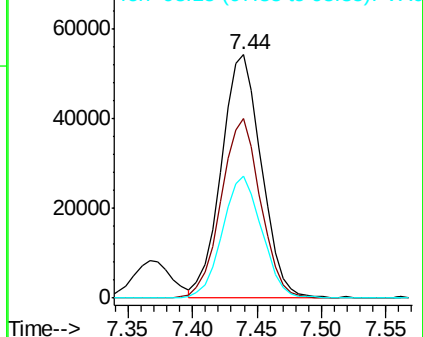


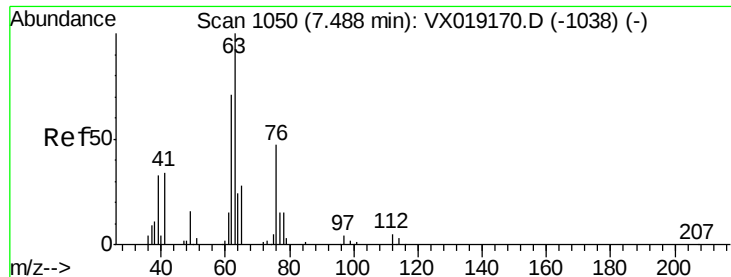
#35
 Methylcyclohexane
 Concen: 5.000 ug/L
 RT: 7.44 min Scan# 1042
 Delta R.T. 0.00 min
 Lab File: VX019170.D
 Acq: 28 Oct 2020 17:52

Tgt Ion: 83 Resp: 116920
 Ion Ratio Lower Upper
 83 100
 55 73.1 58.5 87.7
 98 50.1 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: 5.000 ug/L

RT: 7.49 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VX019170.D

Acq: 28 Oct 2020 17:52

Instrument :

MSVOA_X

ClientSampleId :

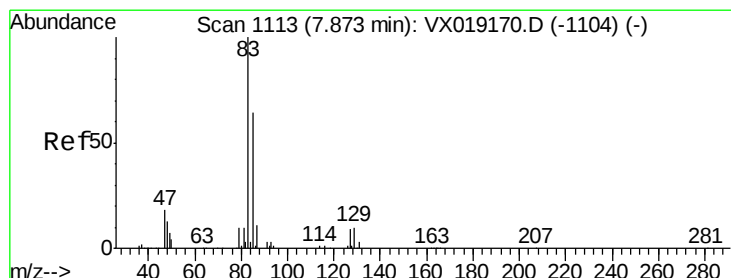
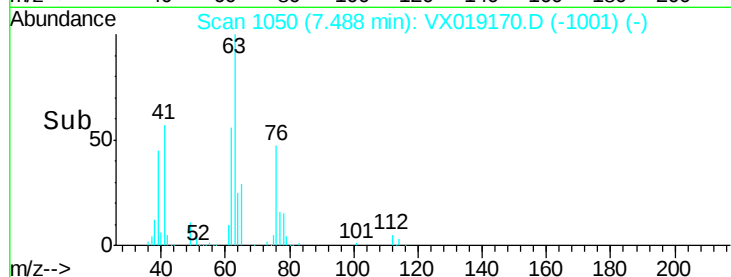
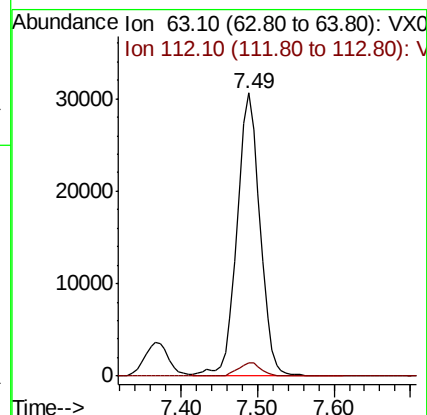
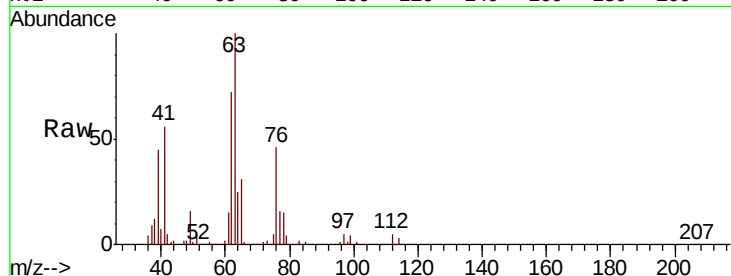
VSTD005303

Tot Ion: 63 Resp: 63522

Ion Ratio Lower Upper

63 100

112 4.7 3.8 5.6



#38

Bromodichloromethane

Concen: 5.000 ug/L

RT: 7.87 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VX019170.D

Acq: 28 Oct 2020 17:52

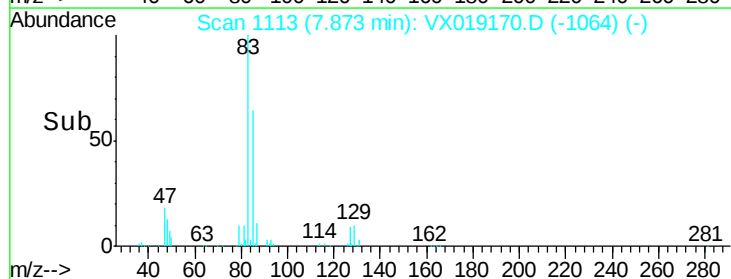
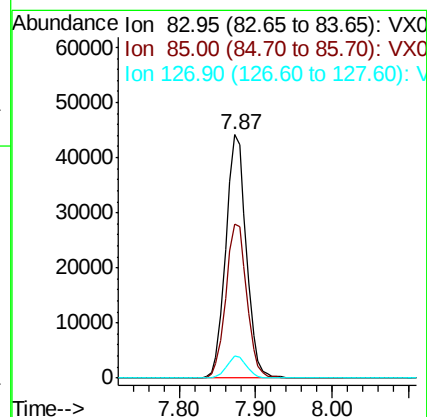
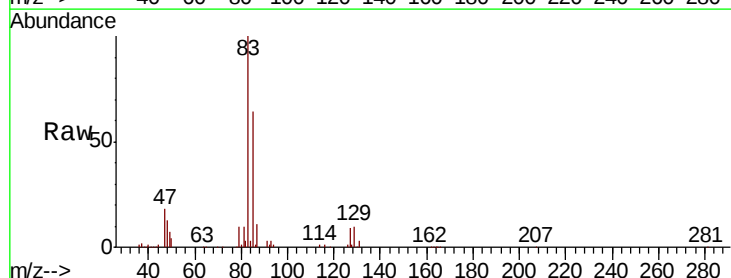
Tgt Ion: 83 Resp: 81875

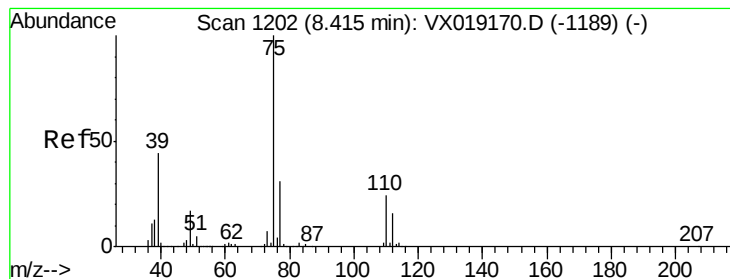
Ion Ratio Lower Upper

83 100

85 63.5 44.4 82.5

127 9.0 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 5.000 ug/L

RT: 8.42 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VX019170.D

Acq: 28 Oct 2020 17:52

Instrument :

MSVOA_X

ClientSampleId :

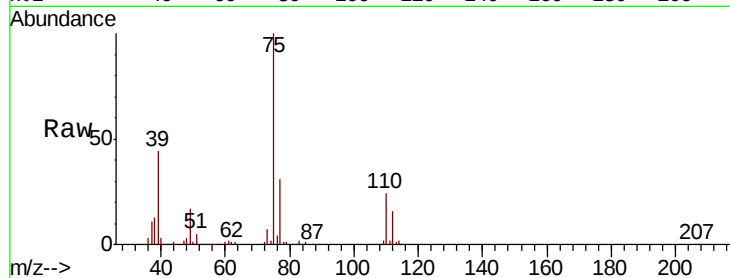
VSTD005303

Tot Ion: 75 Resp: 97159

Ion Ratio Lower Upper

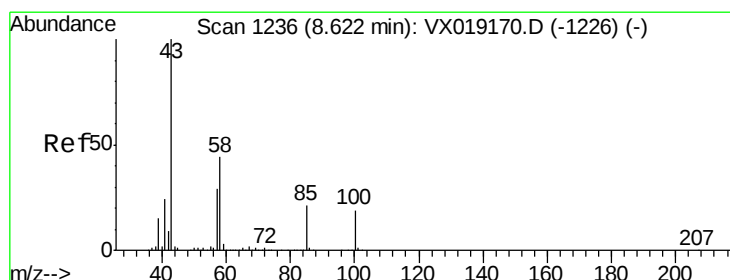
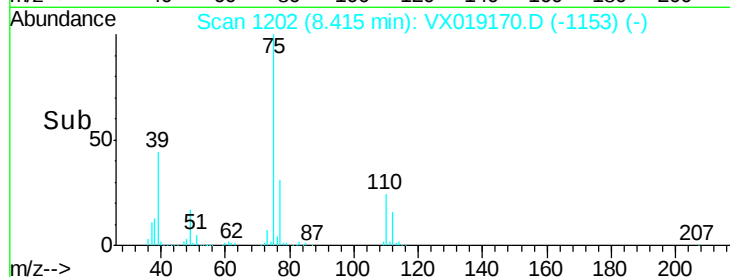
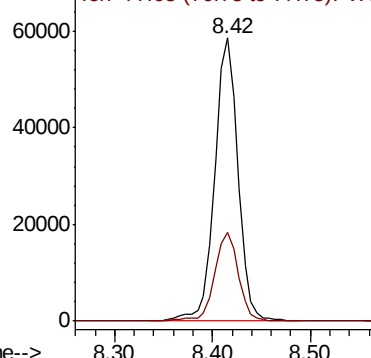
75 100

77 31.2 21.8 40.6



Abundance Ion 75.05 (74.75 to 75.75): VX0

Ion 77.05 (76.75 to 77.75): VX0



#40

4-Methyl-2-pentanone

Concen: 50.000 ug/L

RT: 8.62 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VX019170.D

Acq: 28 Oct 2020 17:52

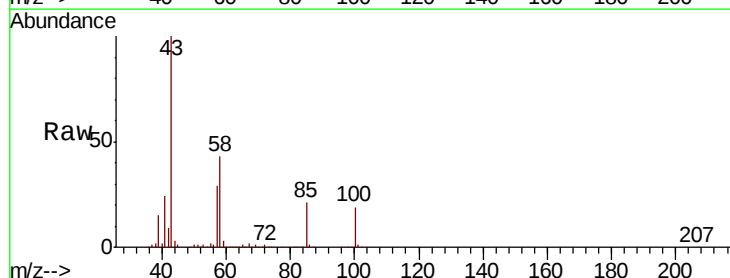
Tgt Ion: 43 Resp: 347630

Ion Ratio Lower Upper

43 100

58 42.6 34.1 51.1

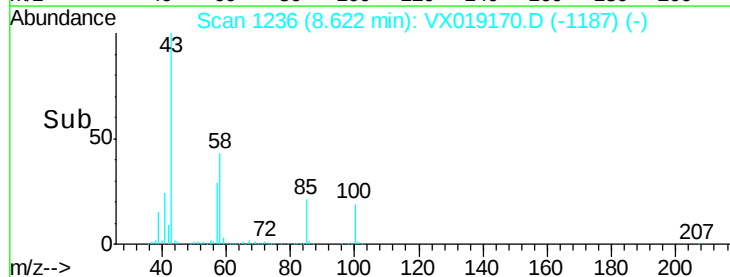
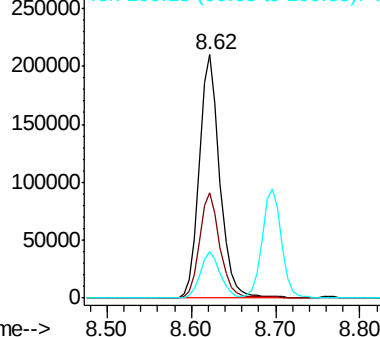
100 18.7 15.0 22.4

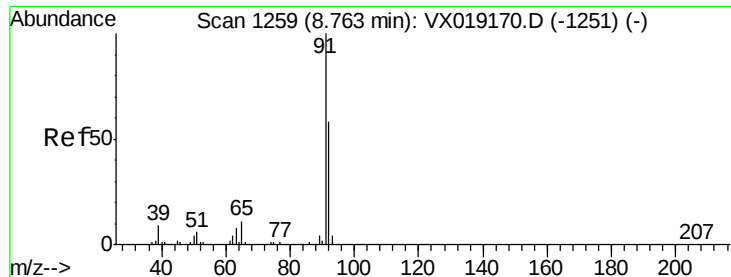


Abundance Ion 43.05 (42.75 to 43.75): VX0

Ion 58.05 (57.75 to 58.75): VX0

Ion 100.15 (99.85 to 100.85): V





#42

Toluene

Concen: 5.000 ug/L

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX019170.D

Acq: 28 Oct 2020 17:52

Instrument :

MSVOA_X

ClientSampleId :

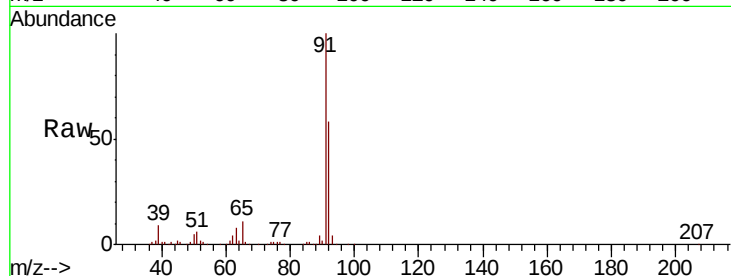
VSTD005303

Tot Ion: 91 Resp: 290358

Ion Ratio Lower Upper

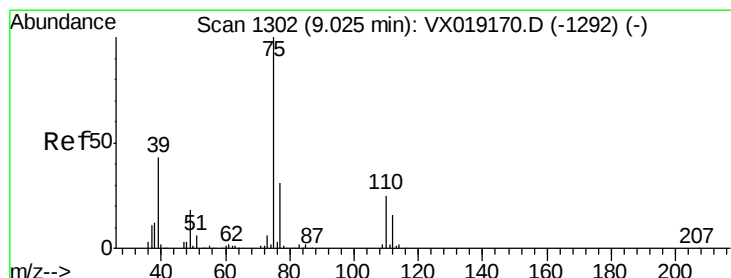
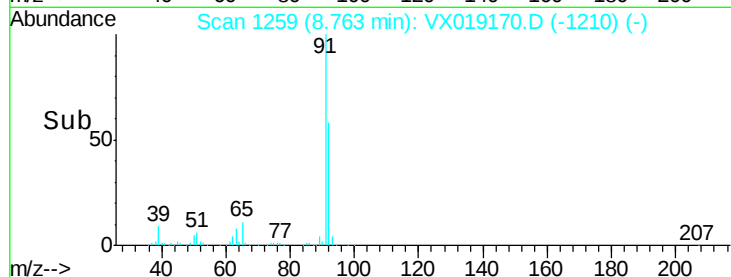
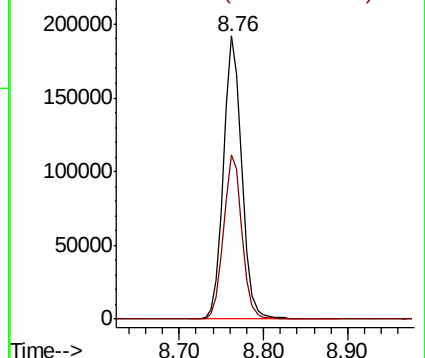
91 100

92 58.2 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: 5.000 ug/L

RT: 9.02 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VX019170.D

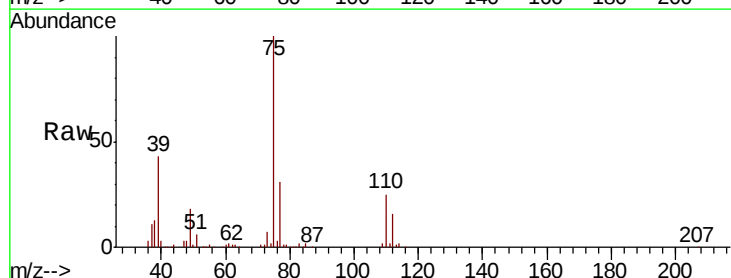
Acq: 28 Oct 2020 17:52

Tgt Ion: 75 Resp: 82435

Ion Ratio Lower Upper

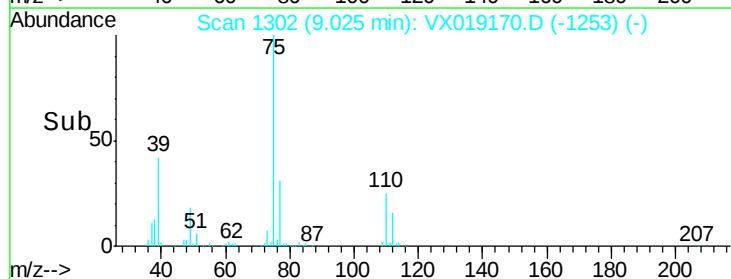
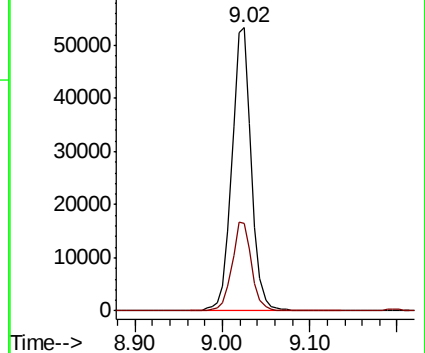
75 100

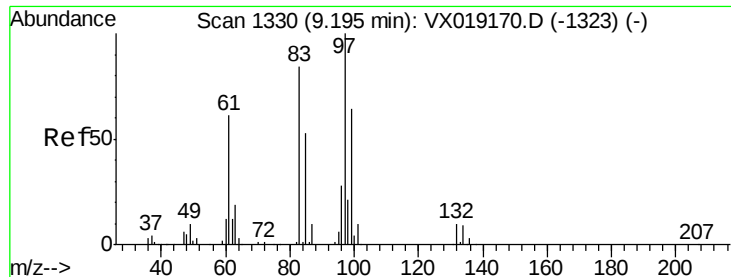
77 31.0 21.7 40.3



Abundance Ion 75.05 (74.75 to 75.75): VX0

Ion 77.05 (76.75 to 77.75): VX0

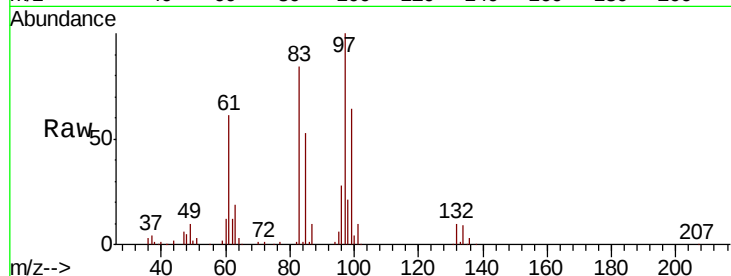




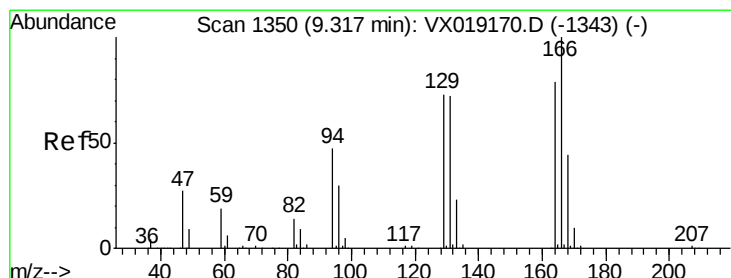
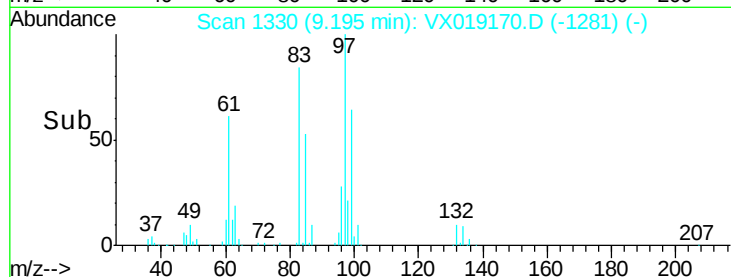
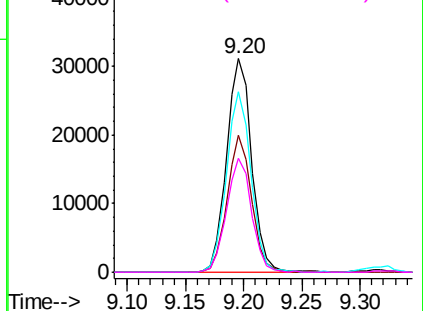
#45
 1,1,2-Trichloroethane
 Concen: 5.000 ug/L
 RT: 9.20 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VX019170.D
 Acq: 28 Oct 2020 17:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005303

Tot Ion:	97	Resp:	46573
Ion	Ratio	Lower	Upper
97	100		
99	64.0	44.8	83.2
83	84.4	59.1	109.7
85	53.4	37.4	69.4

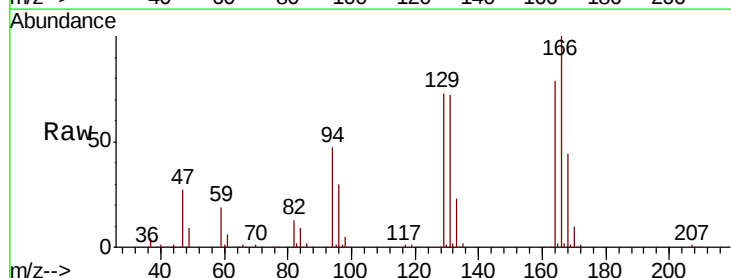


Abundance Ion 96.95 (96.65 to 97.65): VX0
 Ion 99.05 (98.75 to 99.75): VX0
 Ion 82.95 (82.65 to 83.65): VX0
 Ion 85.00 (84.70 to 85.70): VX0

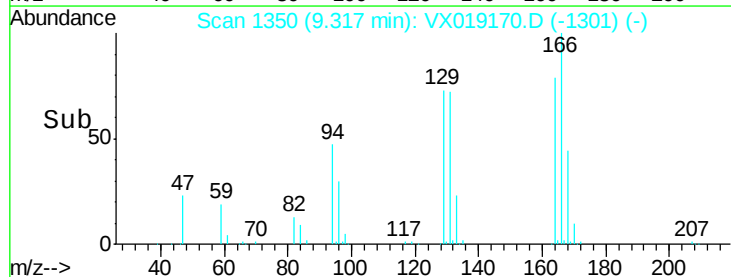
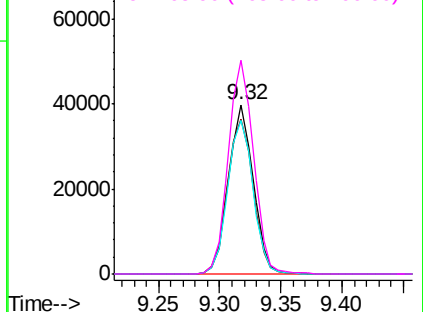


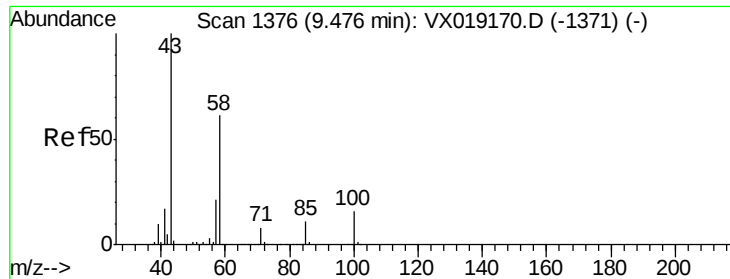
#47
 Tetrachloroethene
 Concen: 5.000 ug/L
 RT: 9.32 min Scan# 1350
 Delta R.T. 0.00 min
 Lab File: VX019170.D
 Acq: 28 Oct 2020 17:52

Tgt Ion:	164	Resp:	55561
Ion	Ratio	Lower	Upper
164	100		
129	91.7	64.2	119.2
131	91.1	63.8	118.4
166	126.2	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

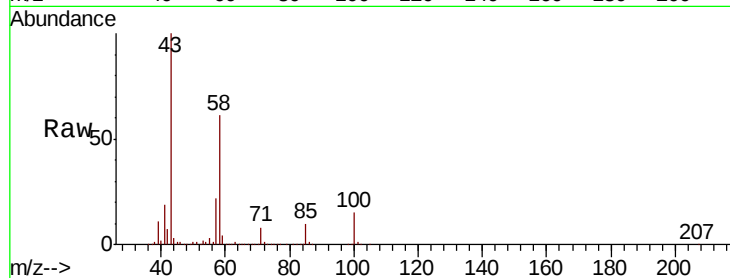




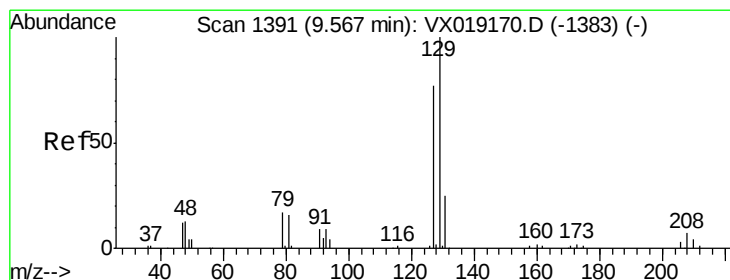
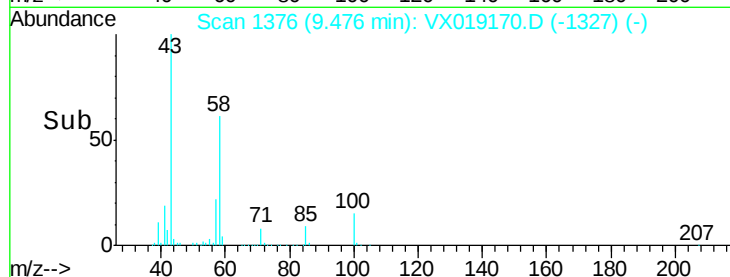
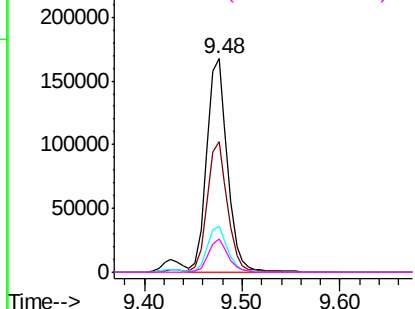
#48
2-Hexanone
Concen: 50.000 ug/L
RT: 9.48 min Scan# 1376
Delta R.T. 0.00 min
Lab File: VX019170.D
Acq: 28 Oct 2020 17:52

Instrument :
MSVOA_X
ClientSampled :
VSTD005303

Tot Ion:	43	Resp:	244447
Ion	Ratio	Lower	Upper
43	100		
58	61.6	49.3	73.9
57	21.5	17.2	25.8
100	14.8	11.8	17.8

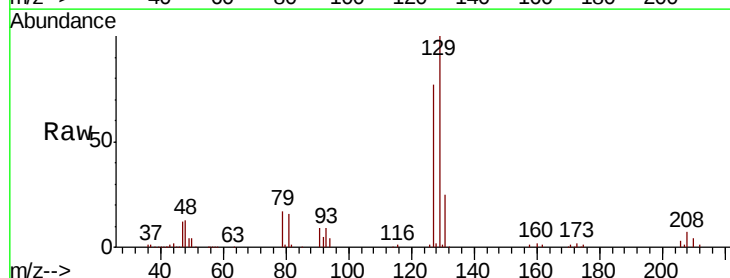


Abundance Ion 43.05 (42.75 to 43.75): VX0
Ion 58.05 (57.75 to 58.75): VX0
Ion 57.20 (56.90 to 57.90): VX0
Ion 100.15 (99.85 to 100.85): V

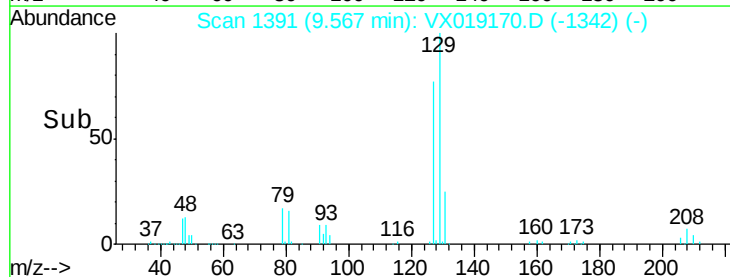
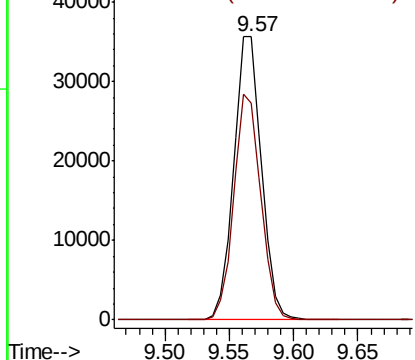


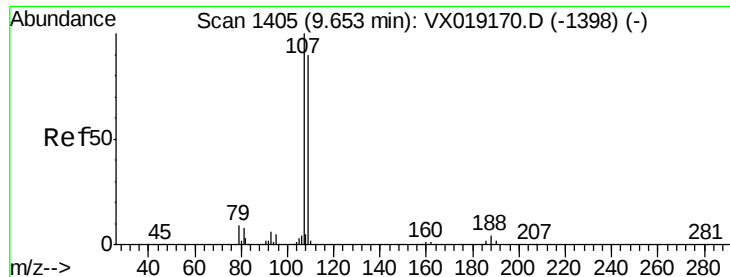
#49
Dibromochloromethane
Concen: 5.000 ug/L
RT: 9.57 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VX019170.D
Acq: 28 Oct 2020 17:52

Tgt Ion:	129	Resp:	53450
Ion	Ratio	Lower	Upper
129	100		
127	76.6	53.6	99.6



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

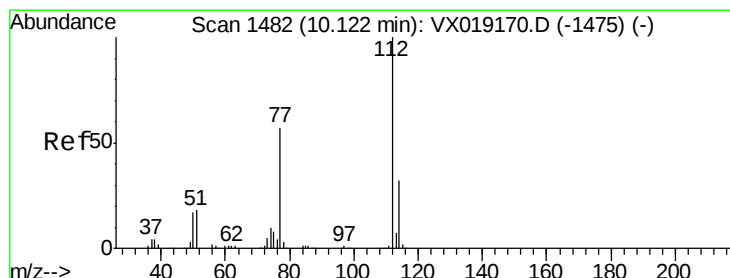
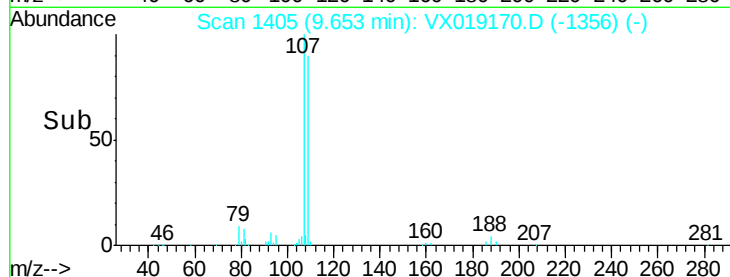
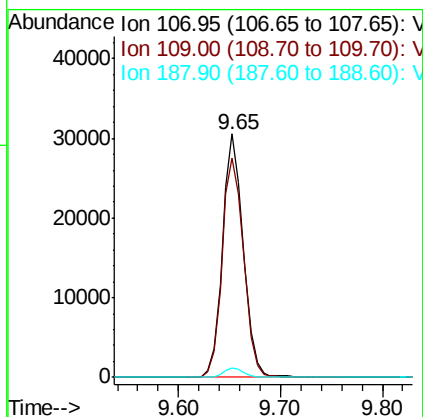
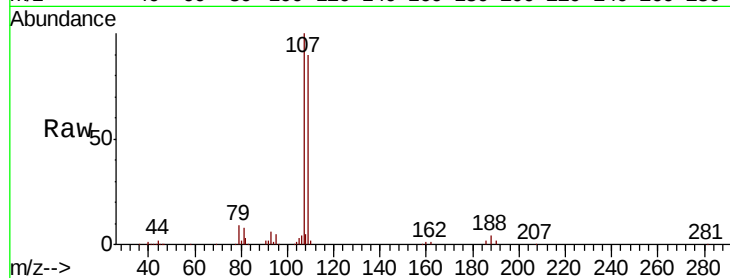




#50
1,2-Dibromoethane
Concen: 5.000 ug/L
RT: 9.65 min Scan# 1405
Delta R.T. 0.00 min
Lab File: VX019170.D
Acq: 28 Oct 2020 17:52

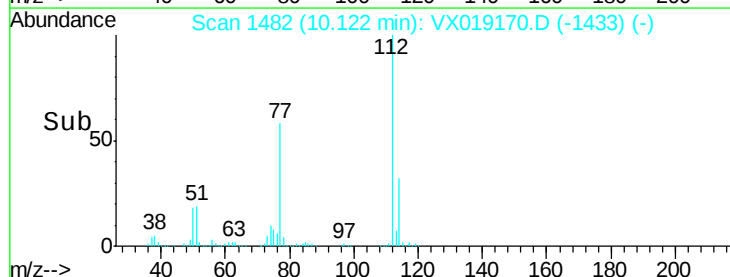
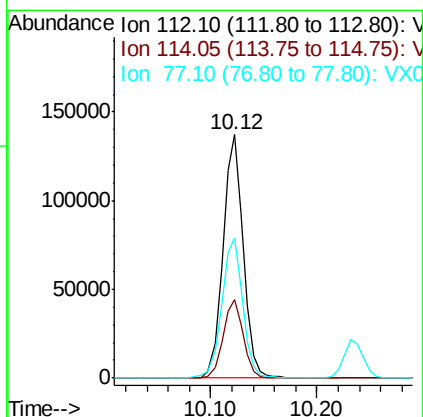
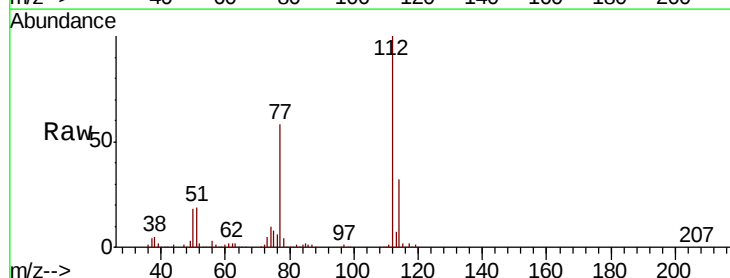
Instrument :
MSVOA_X
ClientSampleId :
VSTD005303

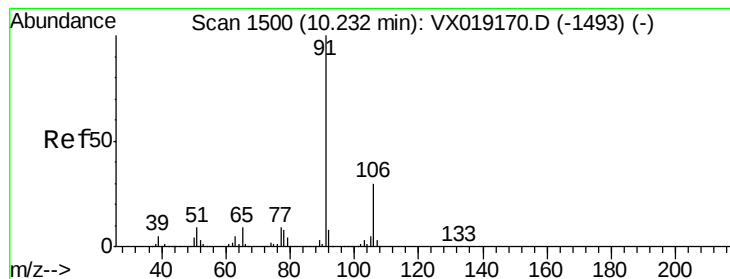
Tot Ion	Ratio	Lower	Upper
107	100		
109	89.9	62.9	116.9
188	3.7	3.0	4.4



#51
Chlorobenzene
Concen: 5.000 ug/L
RT: 10.12 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VX019170.D
Acq: 28 Oct 2020 17:52

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.2	22.5	41.9
77	57.7	46.2	69.2





#52

Ethylbenzene

Concen: 5.000 ug/L

RT: 10.23 min Scan# 1500

Delta R.T. 0.00 min

Lab File: VX019170.D

Acq: 28 Oct 2020 17:52

Instrument :

MSVOA_X

ClientSampled :

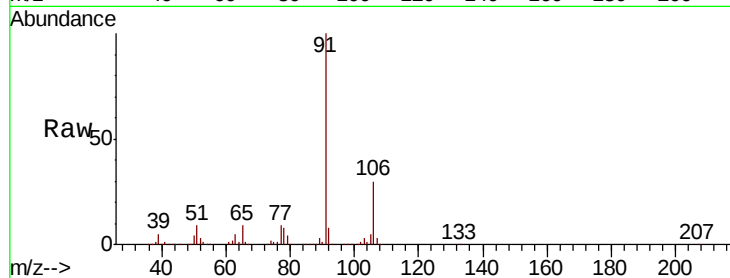
VSTD005303

Tot Ion: 91 Resp: 323844

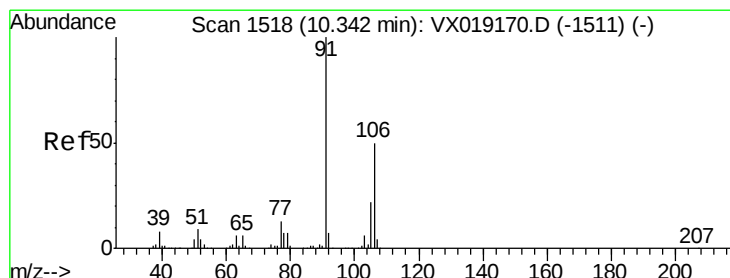
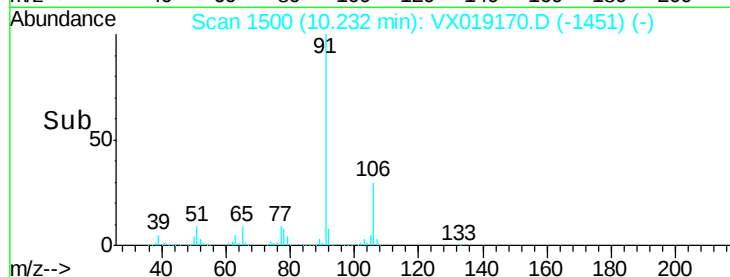
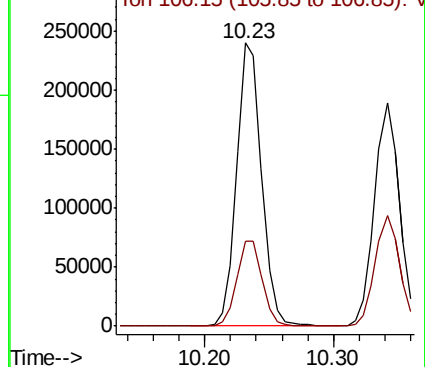
Ion Ratio Lower Upper

91 100

106 30.1 21.1 39.1



Abundance Ion 91.15 (90.85 to 91.85): VX019170.D (-1493) (-)



#53

m,p-xylene

Concen: 5.000 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX019170.D

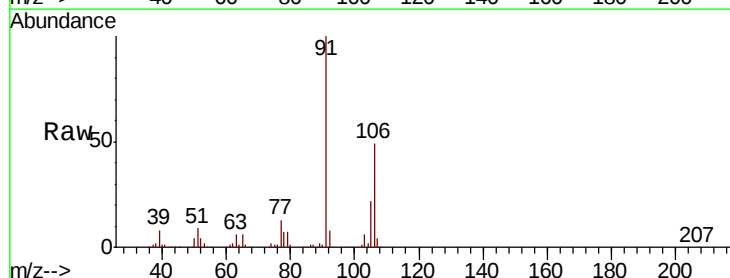
Acq: 28 Oct 2020 17:52

Tgt Ion: 106 Resp: 124586

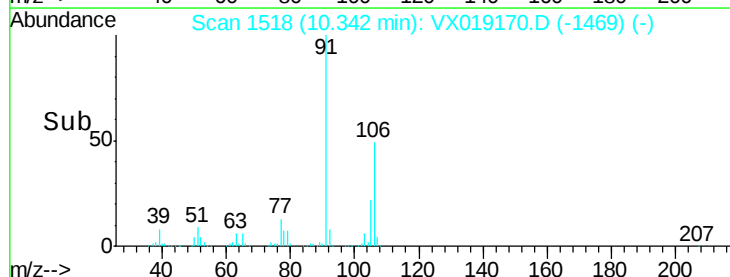
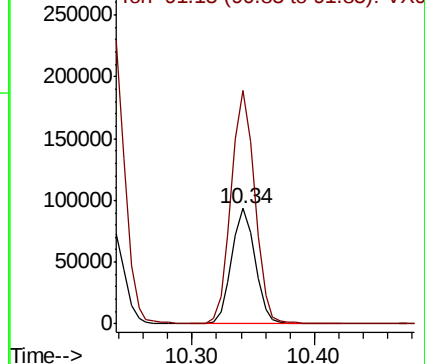
Ion Ratio Lower Upper

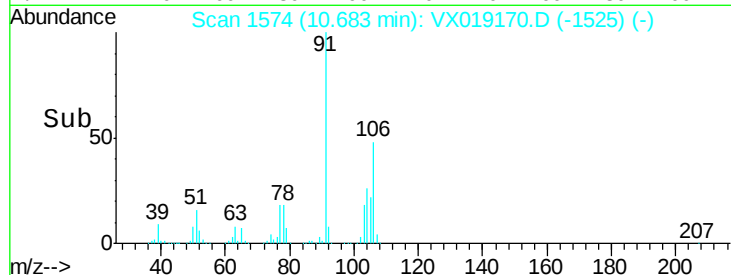
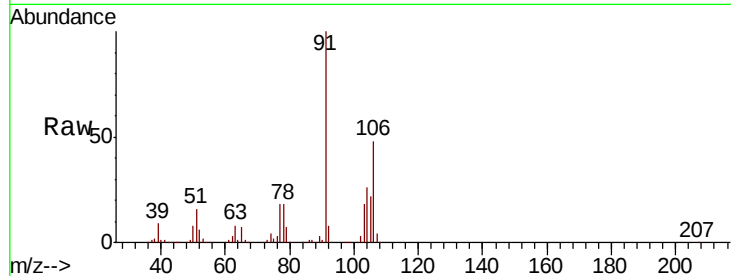
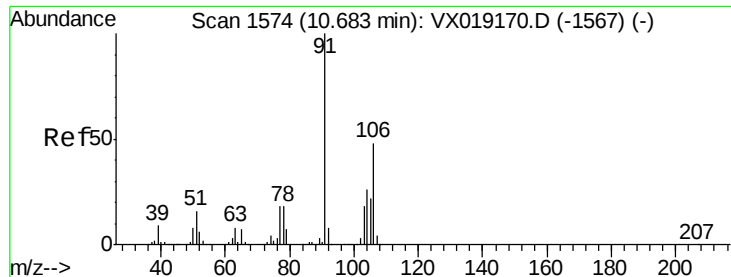
106 100

91 202.1 141.5 262.7



Abundance Ion 106.15 (105.85 to 106.85): VX019170.D (-1511) (-)





#54

o-xylene

Concen: 5.000 ug/L

RT: 10.68 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VX019170.D

Acq: 28 Oct 2020 17:52

Instrument :

MSVOA_X

ClientSampleId :

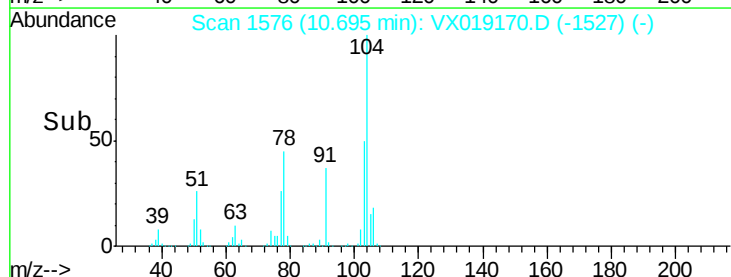
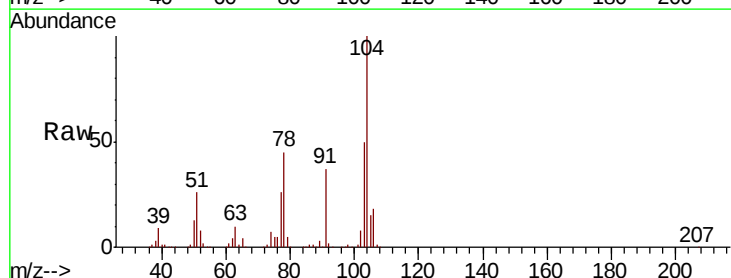
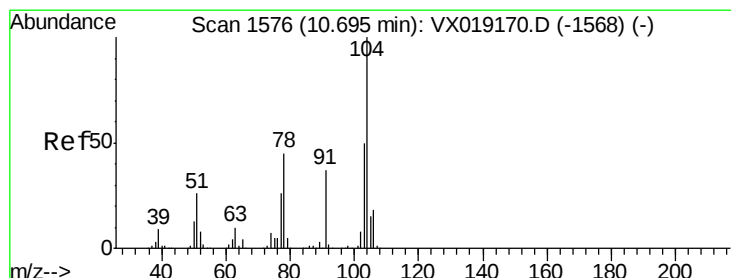
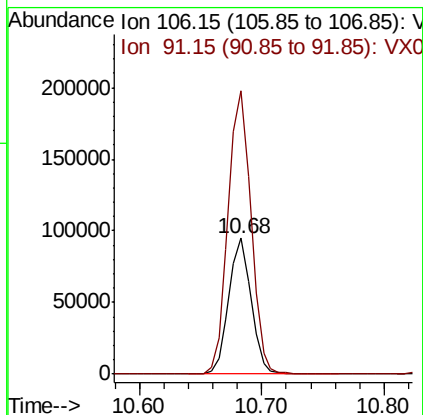
VSTD005303

Tot Ion:106 Resp: 119546

Ion Ratio Lower Upper

106 100

91 208.5 145.9 271.1



#55

Styrene

Concen: 5.000 ug/L

RT: 10.70 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VX019170.D

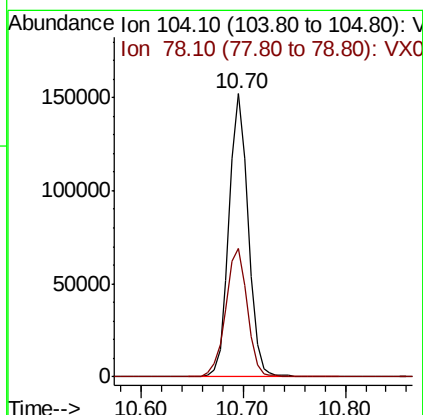
Acq: 28 Oct 2020 17:52

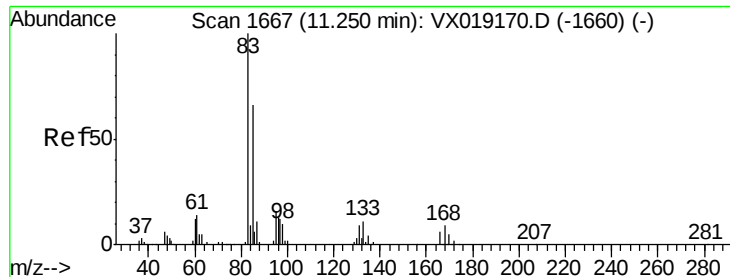
Tgt Ion:104 Resp: 197146

Ion Ratio Lower Upper

104 100

78 45.3 31.7 58.9





#57

1,1,2,2-Tetrachloroethane

Concen: 5.000 ug/L

RT: 11.25 min Scan# 1667

Delta R.T. 0.00 min

Lab File: VX019170.D

Acq: 28 Oct 2020 17:52

Instrument :

MSVOA_X

ClientSampleId :

VSTD005303

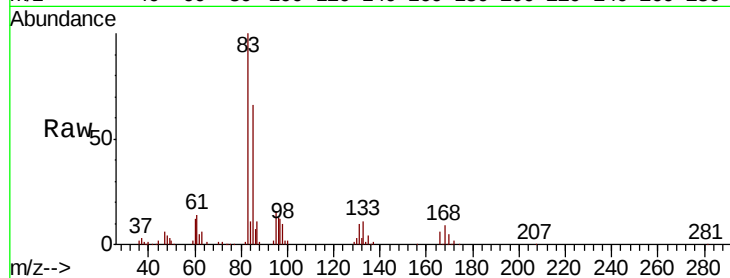
Tot Ion: 83 Resp: 53308

Ion Ratio Lower Upper

83 100

85 65.7 46.0 85.4

131 9.6 7.7 11.5

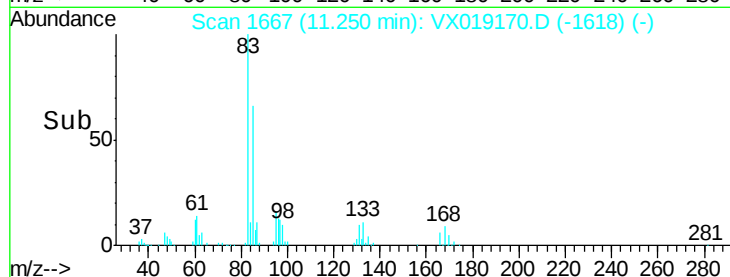


Abundance Ion 82.95 (82.65 to 83.65): VX019170.D (-1660) (-)

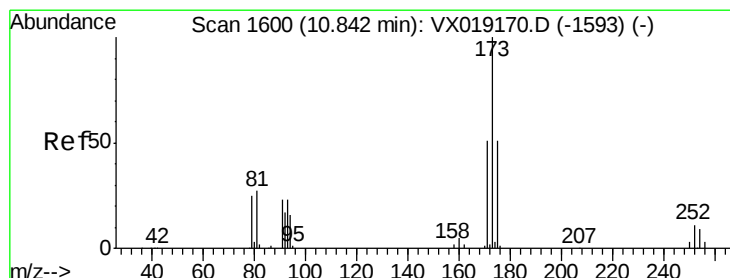
Ion 85.00 (84.70 to 85.70): VX019170.D (-1660) (-)

Ion 130.95 (130.65 to 131.65): VX019170.D (-1660) (-)

Time-->



Time-->



#59

Bromoform

Concen: 5.000 ug/L

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX019170.D

Acq: 28 Oct 2020 17:52

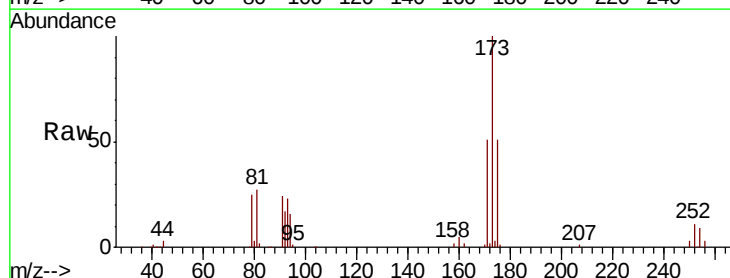
Tgt Ion: 173 Resp: 28794

Ion Ratio Lower Upper

173 100

175 48.2 38.6 57.8

254 9.2 7.4 11.0

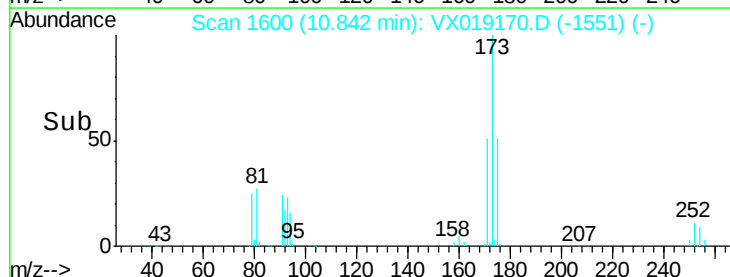


Abundance Ion 172.90 (172.60 to 173.60): VX019170.D (-1593) (-)

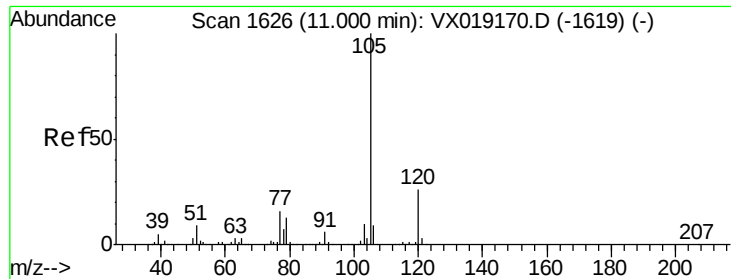
Ion 174.90 (174.60 to 175.60): VX019170.D (-1593) (-)

Ion 253.75 (253.45 to 254.45): VX019170.D (-1593) (-)

Time-->



Time-->



#60

Isopropylbenzene

Concen: 5.000 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX019170.D

Acq: 28 Oct 2020 17:52

Instrument :

MSVOA_X

ClientSampleId :

VSTD005303

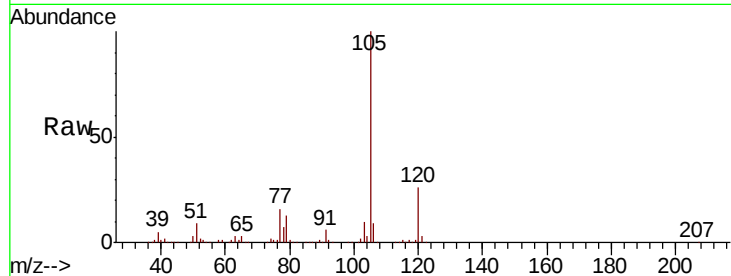
Tot Ion:105 Resp: 321323

Ion Ratio Lower Upper

105 100

120 26.8 21.4 32.2

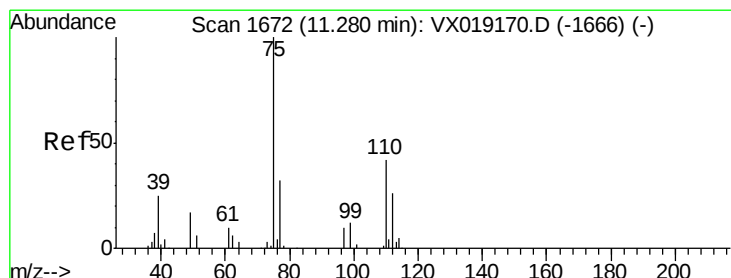
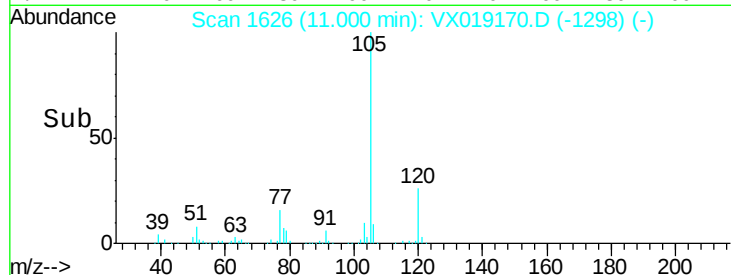
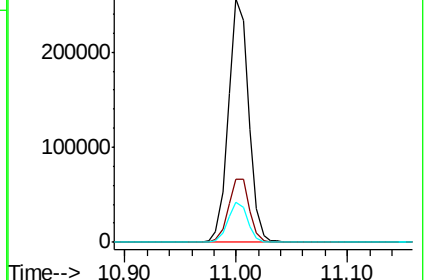
77 16.1 12.9 19.3



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: 5.000 ug/L

RT: 11.28 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VX019170.D

Acq: 28 Oct 2020 17:52

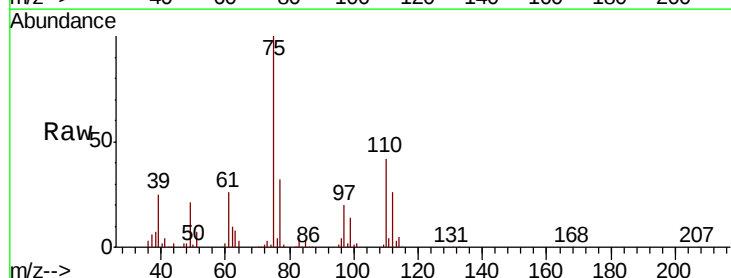
Tgt Ion: 75 Resp: 39849

Ion Ratio Lower Upper

75 100

77 32.0 25.6 38.4

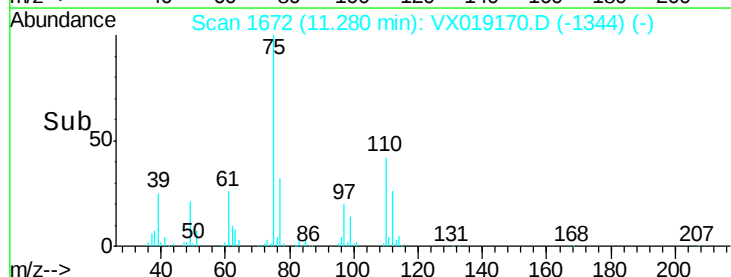
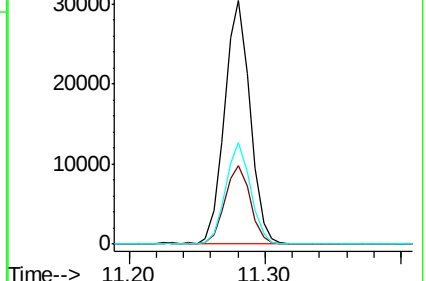
110 40.5 32.4 48.6

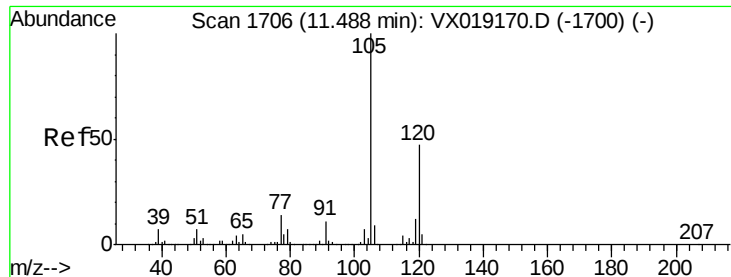


Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 110.00 (109.70 to 110.70): V





#62

1,3,5-Trimethylbenzene

Concen: 5.000 ug/L

RT: 11.49 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VX019170.D

Acq: 28 Oct 2020 17:52

Instrument :

MSVOA_X

ClientSampled :

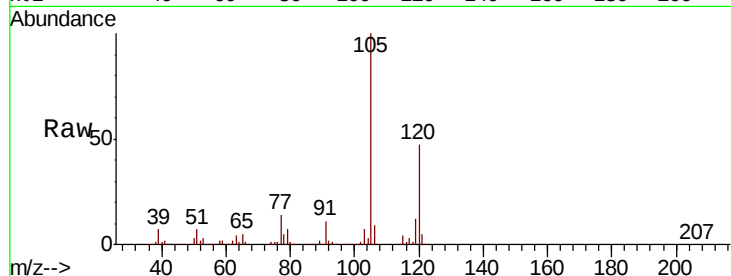
VSTD005303

Tot Ion:105 Resp: 272297

Ion Ratio Lower Upper

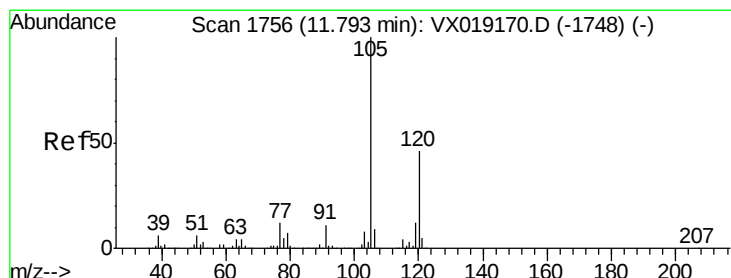
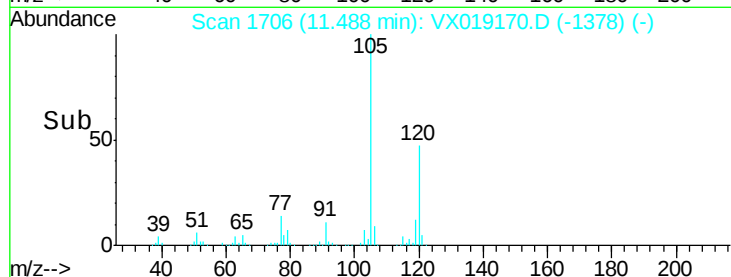
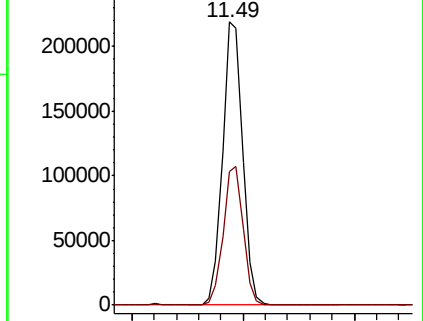
105 100

120 48.6 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: 5.000 ug/L

RT: 11.79 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VX019170.D

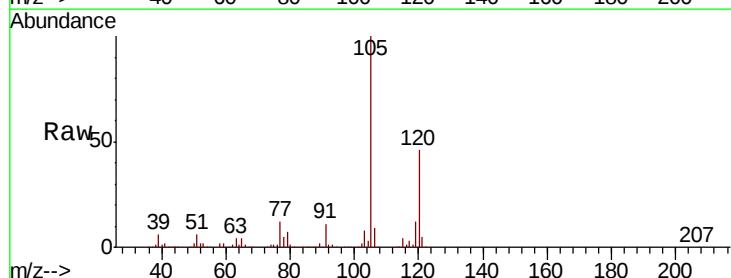
Acq: 28 Oct 2020 17:52

Tgt Ion:105 Resp: 275890

Ion Ratio Lower Upper

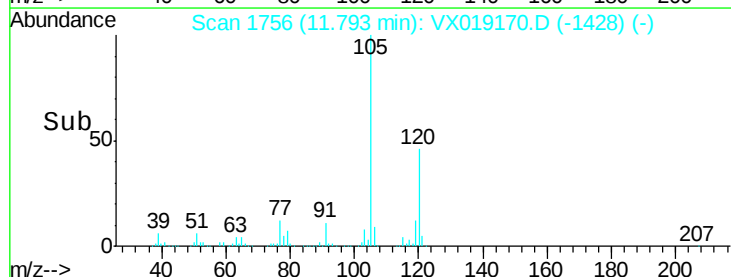
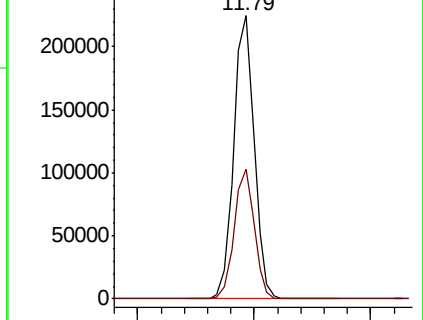
105 100

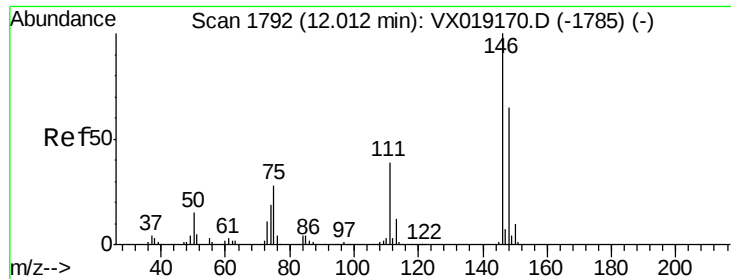
120 45.1 36.1 54.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

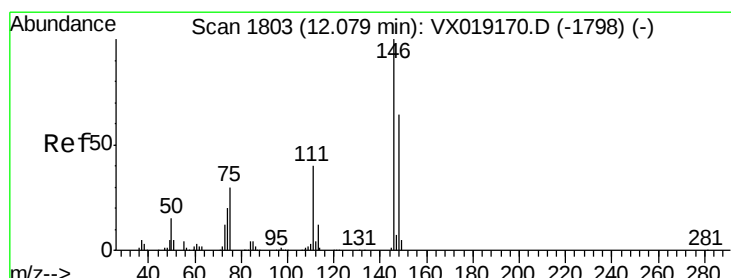
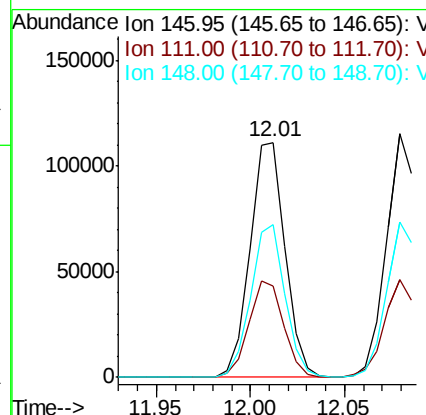
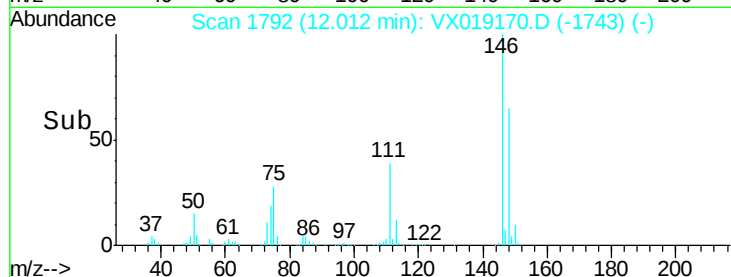
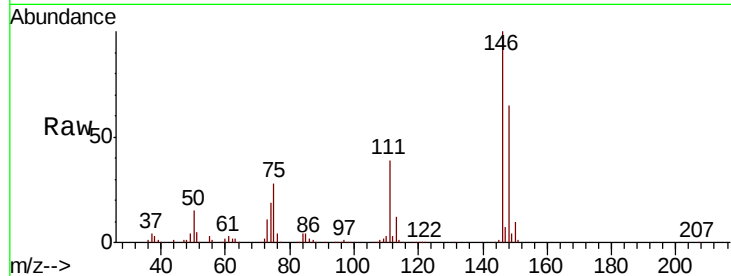




#64
 1,3-Dichlorobenzene
 Concen: 5.000 ug/L
 RT: 12.01 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX019170.D
 Acq: 28 Oct 2020 17:52

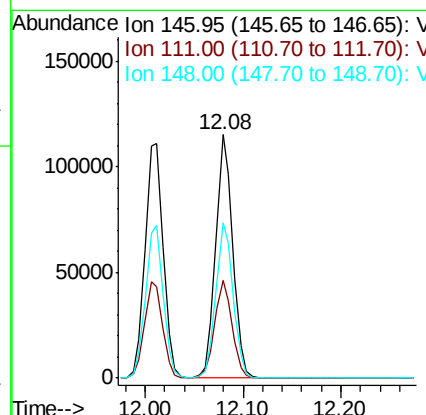
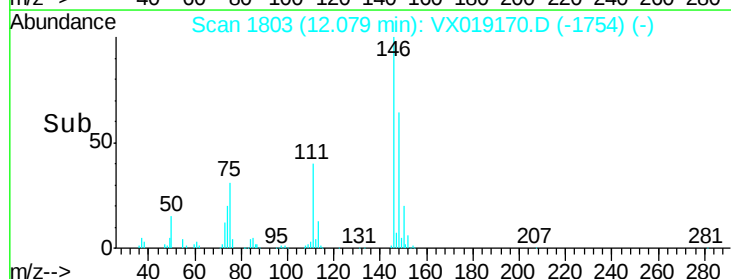
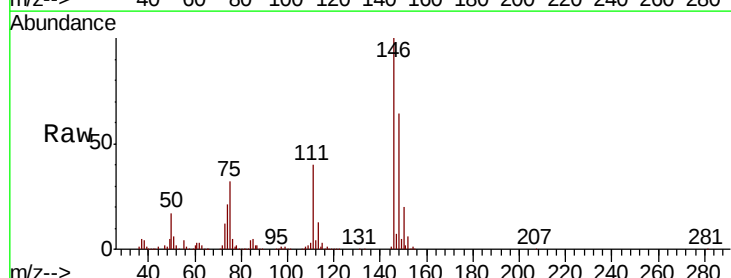
Instrument :
 MSVOA_X
 ClientSampled :
 VSTD005303

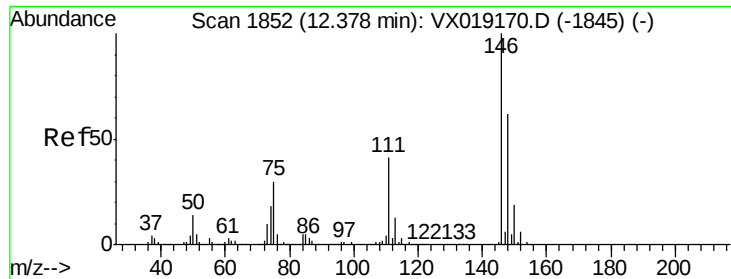
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	27.3	50.7
148	64.8	45.4	84.2



#65
 1,4-Dichlorobenzene
 Concen: 5.000 ug/L
 RT: 12.08 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VX019170.D
 Acq: 28 Oct 2020 17:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.2	28.1	52.3
148	63.6	44.5	82.7

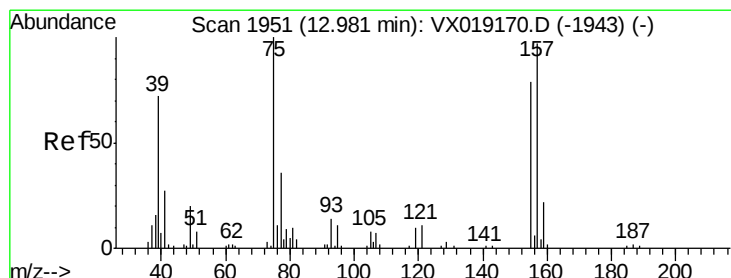
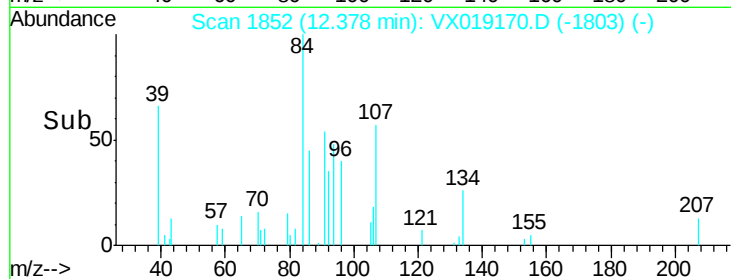
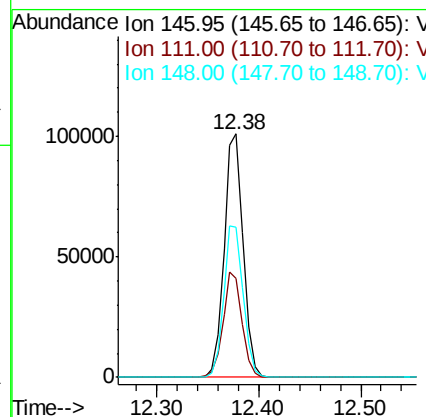
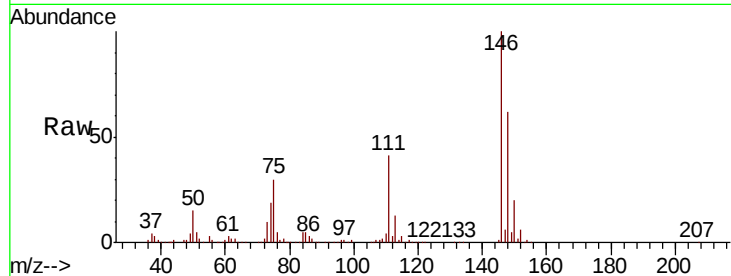




#67
 1,2-Dichlorobenzene
 Concen: 5.000 ug/L
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VX019170.D
 Acq: 28 Oct 2020 17:52

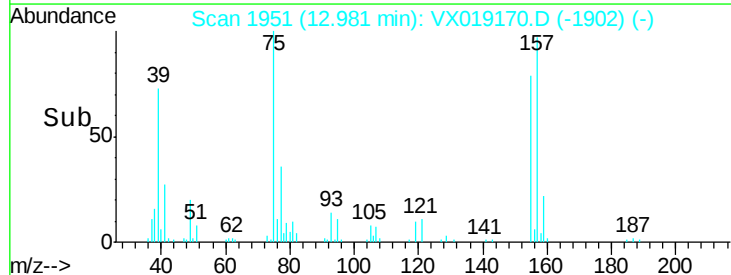
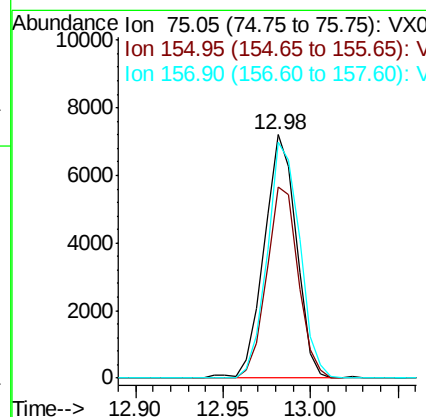
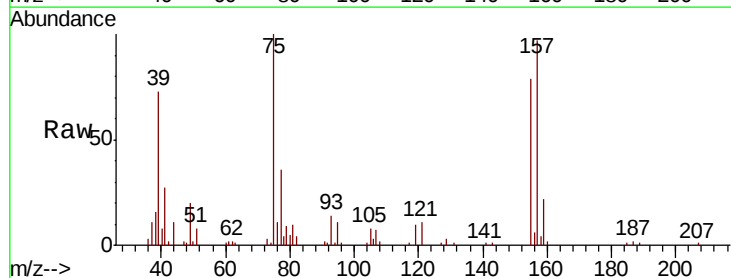
Instrument :
 MSVOA_X
 ClientSampled :
 VSTD005303

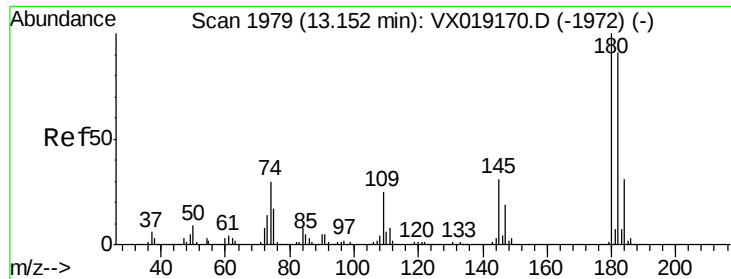
Tot Ion:146 Resp: 131580
 Ion Ratio Lower Upper
 146 100
 111 40.8 32.6 49.0
 148 61.8 49.4 74.2



#68
 1,2-Dibromo-3-chloropropane
 Concen: 5.000 ug/L
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX019170.D
 Acq: 28 Oct 2020 17:52

Tgt Ion: 75 Resp: 9197
 Ion Ratio Lower Upper
 75 100
 155 78.6 62.9 94.3
 157 96.9 77.5 116.3

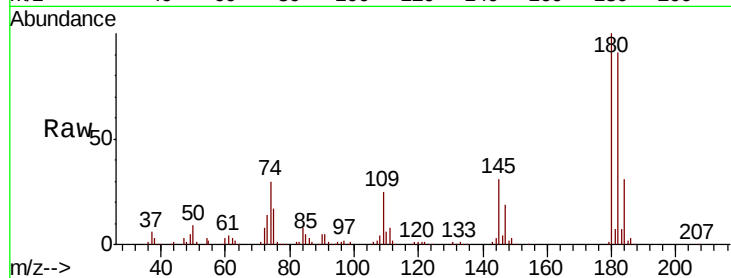




#69
 1,3,5-Trichlorobenzene
 Concen: 5.000 ug/L
 RT: 13.15 min Scan# 1979
 Delta R.T. 0.00 min
 Lab File: VX019170.D
 Acq: 28 Oct 2020 17:52

Instrument :
 MSVOA_X
 ClientSampled :
 VSTD005303

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.6	74.1	111.1
184	30.5	24.4	36.6
145	31.1	24.9	37.3

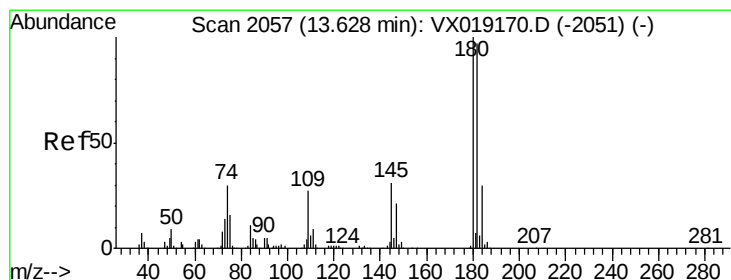
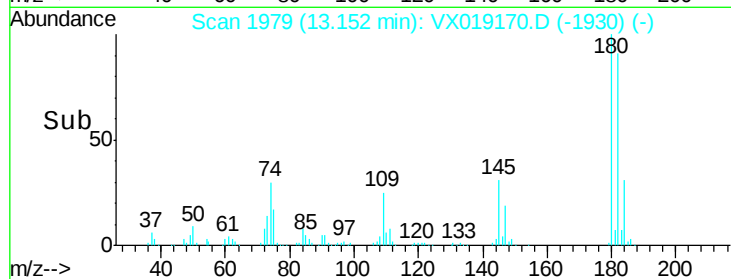
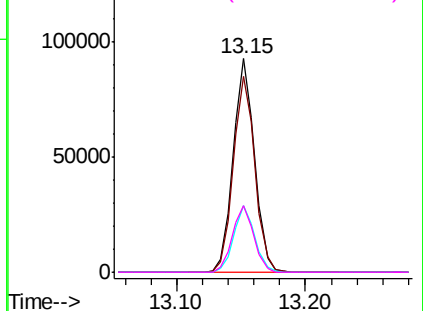


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

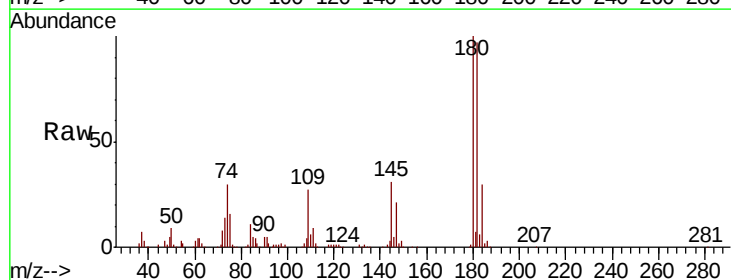
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 5.000 ug/L
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX019170.D
 Acq: 28 Oct 2020 17:52

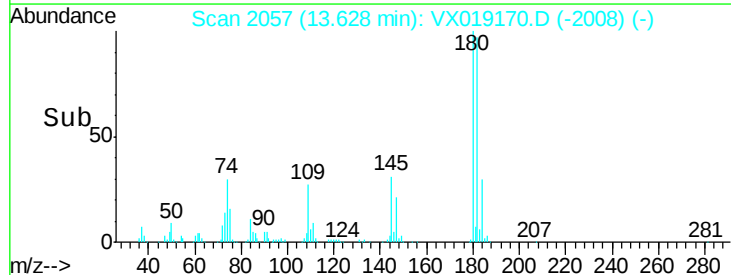
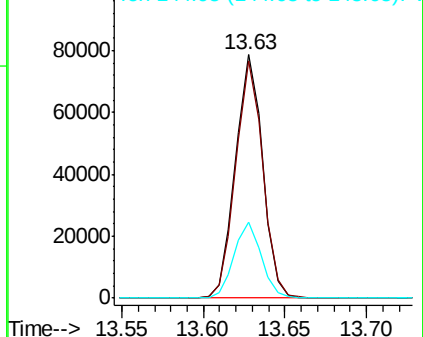
Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.2	77.8	116.6
145	31.2	25.0	37.4

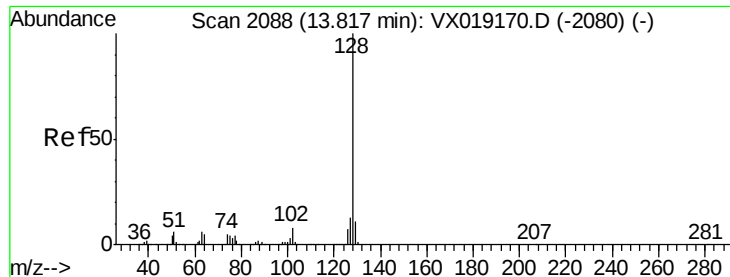


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#71

Naphthalene

Concen: 5.000 ug/L

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX019170.D

Acq: 28 Oct 2020 17:52

Instrument :

MSVOA_X

ClientSampleId :

VSTD005303

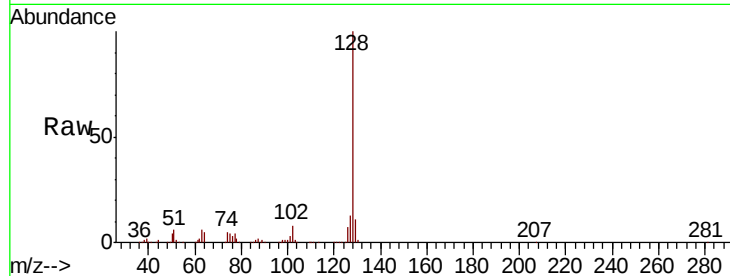
Tot Ion:128 Resp: 170317

Ion Ratio Lower Upper

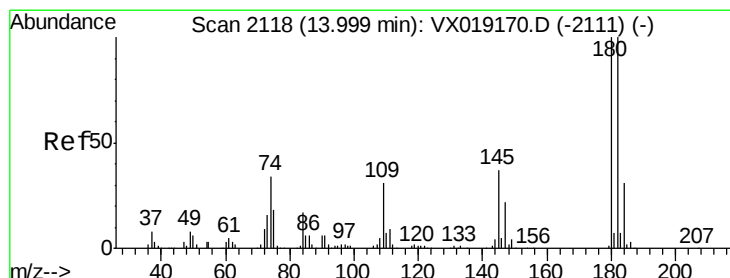
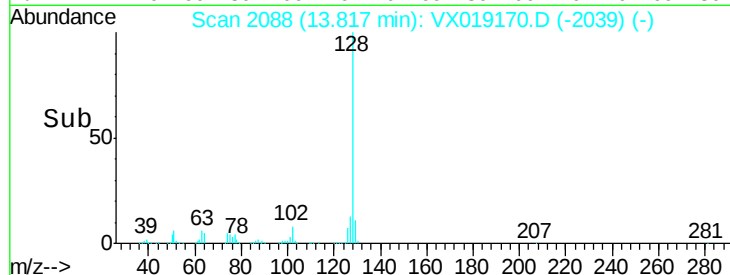
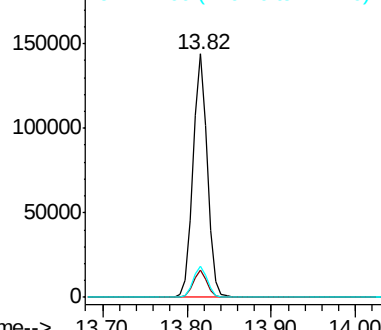
128 100

129 10.8 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: 5.000 ug/L

RT: 14.00 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VX019170.D

Acq: 28 Oct 2020 17:52

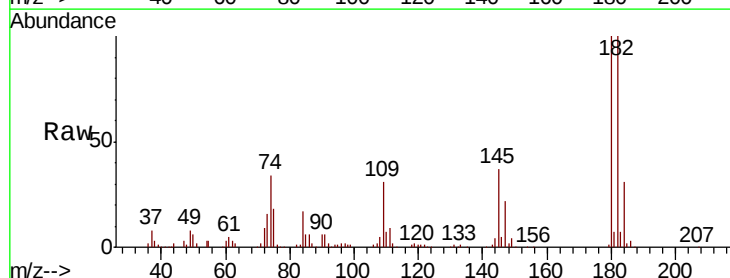
Tgt Ion:180 Resp: 81304

Ion Ratio Lower Upper

180 100

182 96.2 77.0 115.4

145 34.7 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

