

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102920\
 Data File : VX019171.D
 Acq On : 28 Oct 2020 18:18
 Operator : JC/MD
 Sample : VSTD01064
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD010304

Quant Time: Oct 29 06:01:17 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	204382	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	181938	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.06	152	91289	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	136296	10.31	ug/L	0.00
7) Chloroethane-d5	1.70	69	112259	10.09	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.34	63	266492	10.26	ug/L	0.00
20) 2-Butanone-d5	4.55	46	314160	102.96	ug/L	-0.01
24) Chloroform-d	5.14	84	263250	10.36	ug/L	0.00
26) 1,2-Dichloroethane-d4	6.03	65	132804	9.91	ug/L	0.00
32) Benzene-d6	6.04	84	523438	10.48	ug/L	0.00
36) 1,2-Dichloropropane-d6	7.37	67	149172	10.36	ug/L	0.00
41) Toluene-d8	8.70	98	486453	10.19	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.99	79	66374	10.66	ug/L	0.00
46) 2-Hexanone-d5	9.43	63	296662	105.89	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	11.23	84	118314	10.66	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.36	152	178164	10.26	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.18	85	179851	10.349	ug/L 99
3) Chloromethane	1.31	50	152072	10.139	ug/L 99
5) Vinyl chloride	1.39	62	172093	10.180	ug/L 99
6) Bromomethane	1.64	94	110732	10.336	ug/L 96
8) Chloroethane	1.72	64	103904	10.217	ug/L 100
9) Trichlorofluoromethane	1.92	101	253445	10.351	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.36	101	143123	10.230	ug/L 99
12) 1,1-Dichloroethene	2.36	96	136836	10.061	ug/L 96
13) Acetone	2.45	43	176226	101.093	ug/L 98
14) Carbon disulfide	2.55	76	424139	10.351	ug/L 100
15) Methyl Acetate	2.76	43	48268	10.139	ug/L 98
16) Methylene chloride	2.83	84	141489	10.067	ug/L 96
17) Methyl tert-butyl Ether	3.17	73	331202	10.137	ug/L 99
18) trans-1,2-Dichloroethene	3.14	96	144861	10.239	ug/L 98
19) 1,1-Dichloroethane	3.67	63	249758	10.299	ug/L 99
21) 2-Butanone	4.65	43	303952	99.592	ug/L 98
22) cis-1,2-Dichloroethene	4.56	96	155471	10.417	ug/L 99
23) Bromochloromethane	4.98	128	65132	10.202	ug/L 97
25) Chloroform	5.17	83	259067	10.379	ug/L 95
27) 1,2-Dichloroethane	6.16	62	161802	10.183	ug/L 99
29) 1,1,1-Trichloroethane	5.46	97	243394	10.518	ug/L 99
30) Cyclohexane	5.54	56	240528	10.524	ug/L 100
31) Carbon tetrachloride	5.75	117	207502	10.656	ug/L 100
33) Benzene	6.11	78	576249	10.309	ug/L 100
34) Trichloroethene	7.18	95	156647	10.277	ug/L 98
35) Methylcyclohexane	7.44	83	260127	10.628	ug/L 99
37) 1,2-Dichloropropane	7.49	63	137073	10.308	ug/L 100
38) Bromodichloromethane	7.87	83	182323	10.637	ug/L 99
39) cis-1,3-Dichloropropene	8.42	75	216841	10.661	ug/L 100
40) 4-Methyl-2-pentanone	8.62	43	751369	103.249	ug/L 99

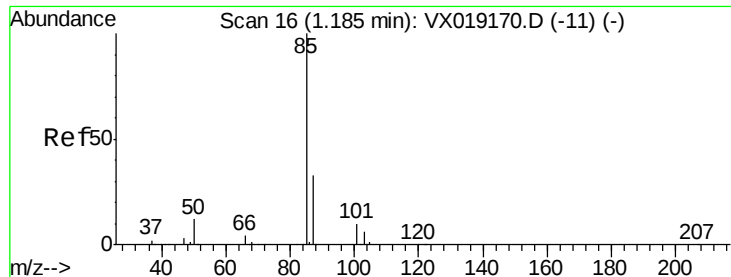
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102920\
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 QLast Update : Thu Oct 29 05:52:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.76	91	626123	10.301	ug/L	99
44) trans-1,3-Dichloropropene	9.02	75	182866	10.597	ug/L	99
45) 1,1,2-Trichloroethane	9.20	97	99554	10.211	ug/L	99
47) Tetrachloroethene	9.32	164	120402	10.352	ug/L	98
48) 2-Hexanone	9.48	43	531110	103.788	ug/L	99
49) Dibromochloromethane	9.56	129	119984	10.723	ug/L	100
50) 1,2-Dibromoethane	9.65	107	94280	10.425	ug/L	94
51) Chlorobenzene	10.12	112	400726	10.568	ug/L	99
52) Ethylbenzene	10.23	91	712062	10.503	ug/L	99
53) m,p-xylene	10.34	106	276815	10.614	ug/L	99
54) o-xylene	10.68	106	262440	10.487	ug/L	96
55) Styrene	10.70	104	444730	10.776	ug/L	98
57) 1,1,2,2-Tetrachloroethane	11.25	83	116985	10.483	ug/L	100
59) Bromoform	10.84	173	65020	10.444	ug/L	98
60) Isopropylbenzene	11.00	105	716262	10.310	ug/L	99
61) 1,2,3-Trichloropropane	11.28	75	84863	9.850	ug/L	99
62) 1,3,5-Trimethylbenzene	11.49	105	613454	10.420	ug/L	99
63) 1,2,4-Trimethylbenzene	11.79	105	619017	10.378	ug/L	100
64) 1,3-Dichlorobenzene	12.01	146	314773	10.109	ug/L	97
65) 1,4-Dichlorobenzene	12.08	146	312229	10.293	ug/L	99
67) 1,2-Dichlorobenzene	12.38	146	290223	10.202	ug/L	99
68) 1,2-Dibromo-3-chloropropan	12.98	75	19787	9.951	ug/L	97
69) 1,3,5-Trichlorobenzene	13.15	180	238245	10.251	ug/L	98
70) 1,2,4-trichlorobenzene	13.63	180	207658	10.502	ug/L	99
71) Naphthalene	13.82	128	379390	10.303	ug/L	99
72) 1,2,3-Trichlorobenzene	14.00	180	181493	10.325	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 10.349 ug/L

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX019171.D

Acq: 28 Oct 2020 18:18

Instrument :

MSVOA_X

ClientSampleId :

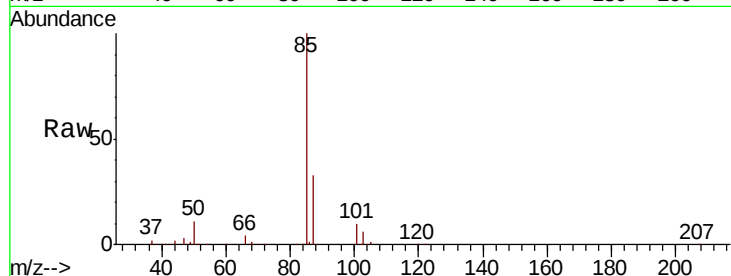
VSTD010304

Tot Ion: 85 Resp: 179851

Ion Ratio Lower Upper

85 100

87 32.1 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

1.18

200000

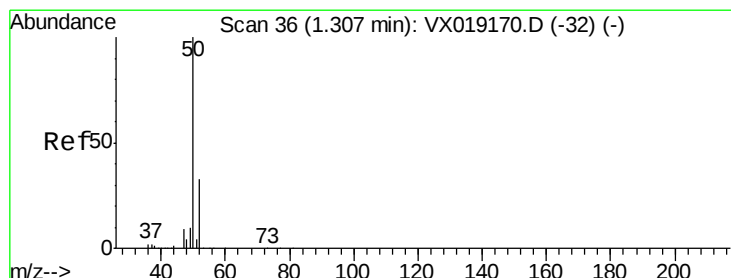
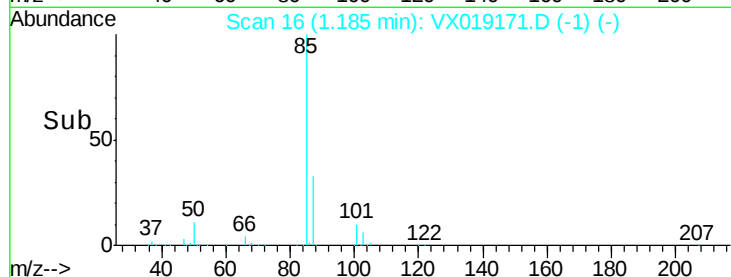
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 10.139 ug/L

RT: 1.31 min Scan# 36

Delta R.T. -0.00 min

Lab File: VX019171.D

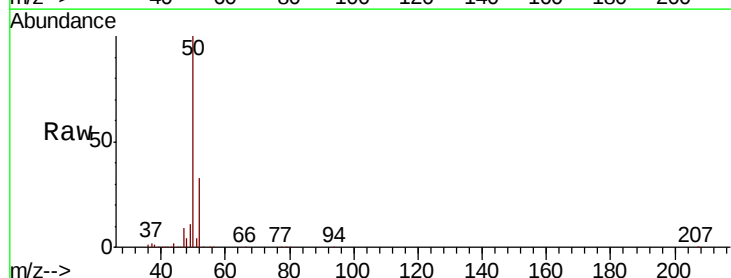
Acq: 28 Oct 2020 18:18

Tgt Ion: 50 Resp: 152072

Ion Ratio Lower Upper

50 100

52 33.1 23.4 43.6



Abundance Ion 50.05 (49.75 to 50.75): VX0

Ion 52.05 (51.75 to 52.75): VX0

1.31

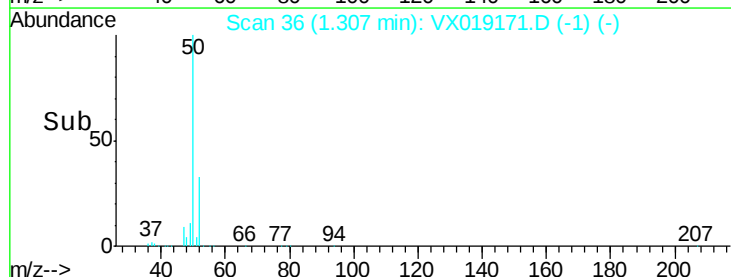
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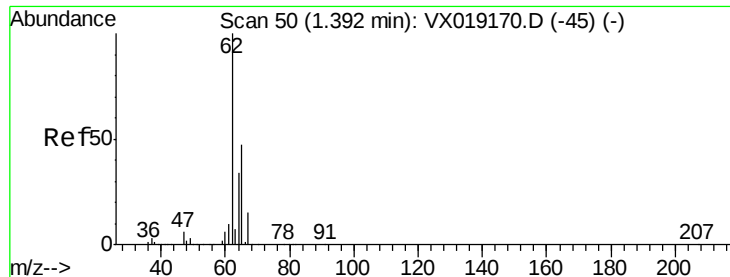
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50000

0

Time-->





#5

Vinyl chloride

Concen: 10.180 ug/L

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX019171.D

Acq: 28 Oct 2020 18:18

Instrument :

MSVOA_X

ClientSampleId :

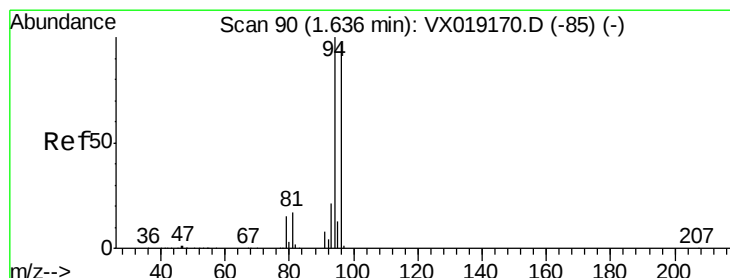
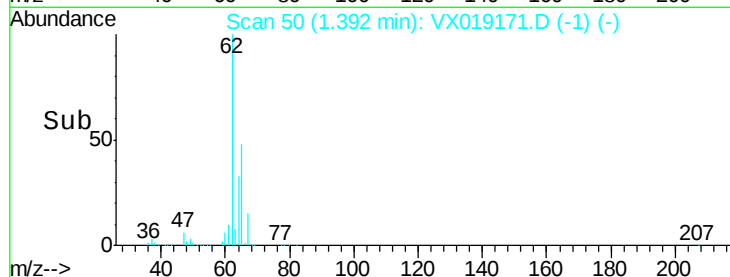
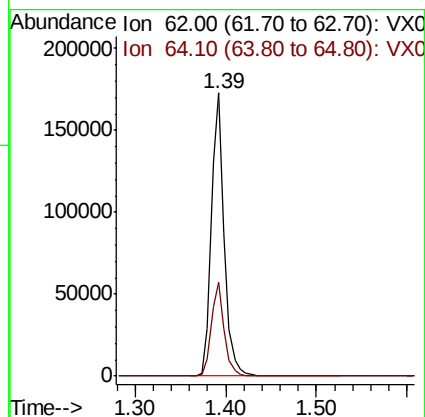
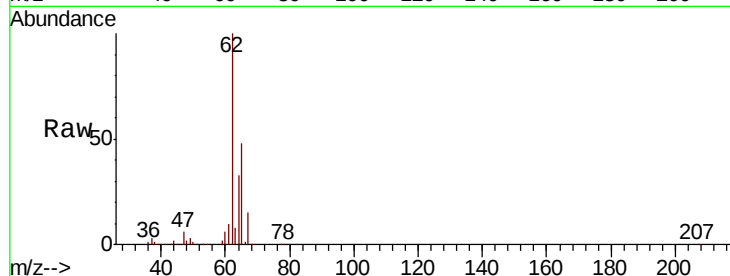
VSTD010304

Tot Ion: 62 Resp: 172093

Ion Ratio Lower Upper

62 100

64 33.1 23.5 43.7



#6

Bromomethane

Concen: 10.336 ug/L

RT: 1.64 min Scan# 90

Delta R.T. -0.00 min

Lab File: VX019171.D

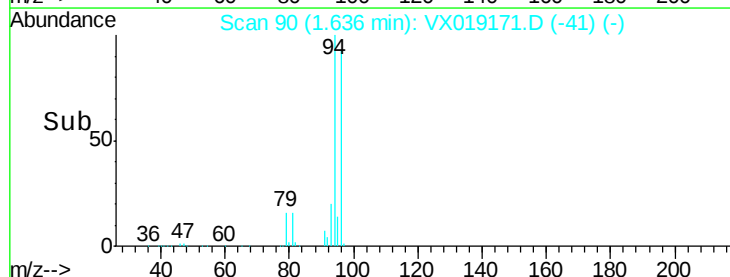
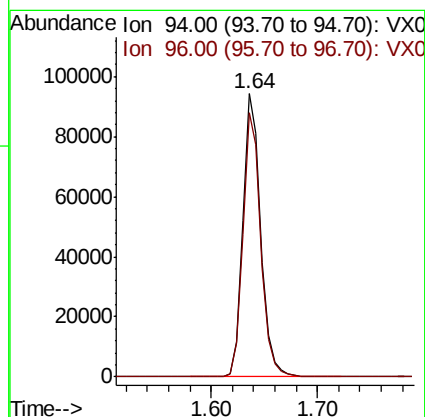
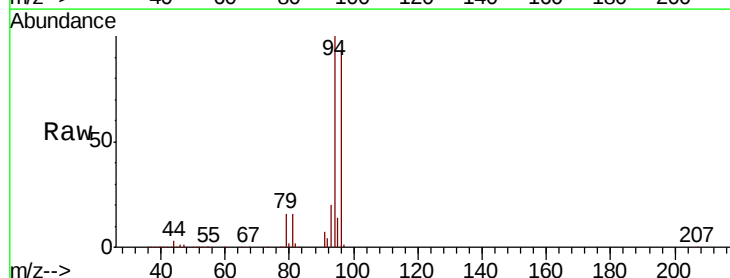
Acq: 28 Oct 2020 18:18

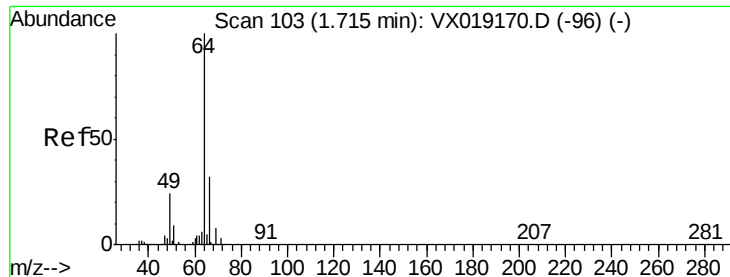
Tgt Ion: 94 Resp: 110732

Ion Ratio Lower Upper

94 100

96 93.3 67.9 126.1





#8

Chloroethane

Concen: 10.217 ug/L

RT: 1.72 min Scan# 103

Delta R.T. -0.00 min

Lab File: VX019171.D

Acq: 28 Oct 2020 18:18

Instrument :

MSVOA_X

ClientSampleId :

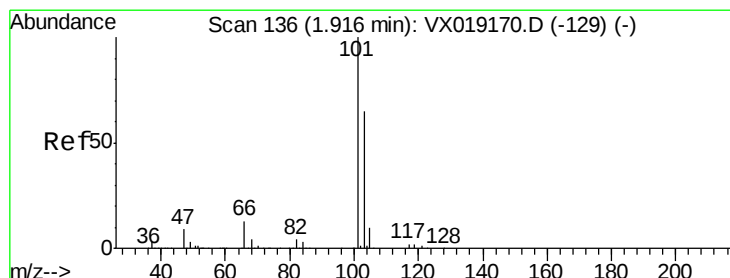
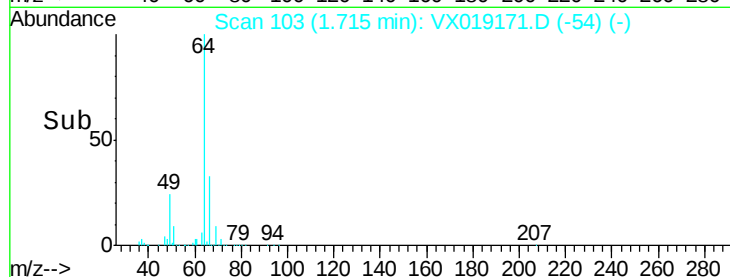
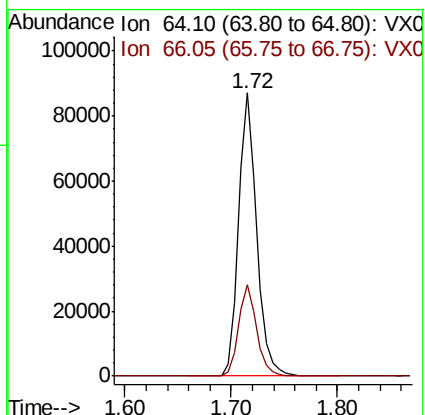
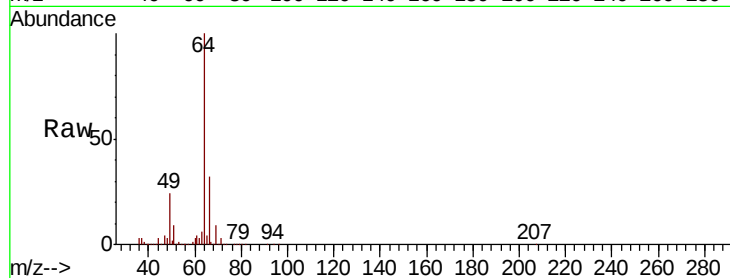
VSTD010304

Tot Ion: 64 Resp: 103904

Ion Ratio Lower Upper

64 100

66 32.2 22.7 42.1



#9

Trichlorofluoromethane

Concen: 10.351 ug/L

RT: 1.92 min Scan# 136

Delta R.T. -0.00 min

Lab File: VX019171.D

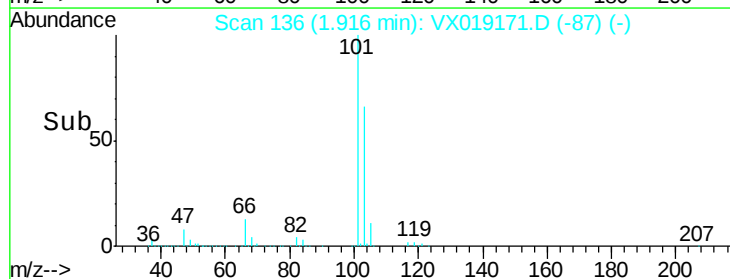
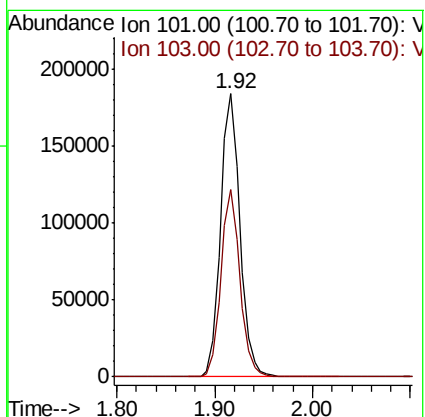
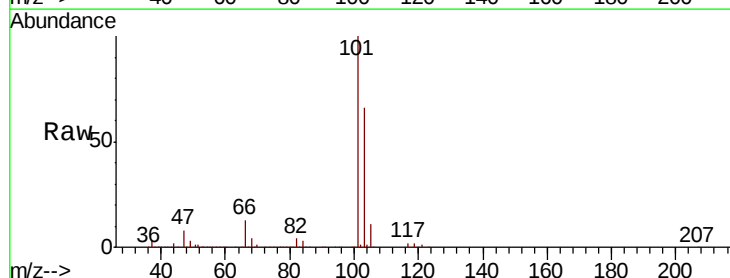
Acq: 28 Oct 2020 18:18

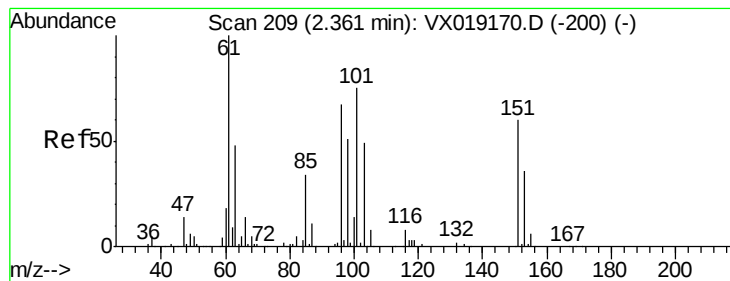
Tgt Ion: 101 Resp: 253445

Ion Ratio Lower Upper

101 100

103 64.7 51.9 77.9





#10

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

Concen: 10.230 ug/L

RT: 2.36 min Scan# 209

Delta R.T. -0.00 min

Lab File: VX019171.D

Acq: 28 Oct 2020 18:18

Instrument :

MSVOA_X

ClientSampleId :

VSTD010304

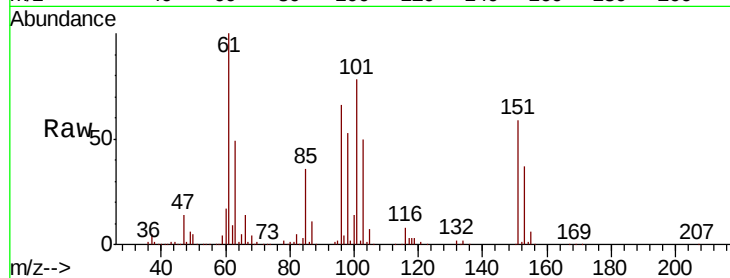
Tot Ion:101 Resp: 143123

Ion Ratio Lower Upper

101 100

85 44.4 35.3 52.9

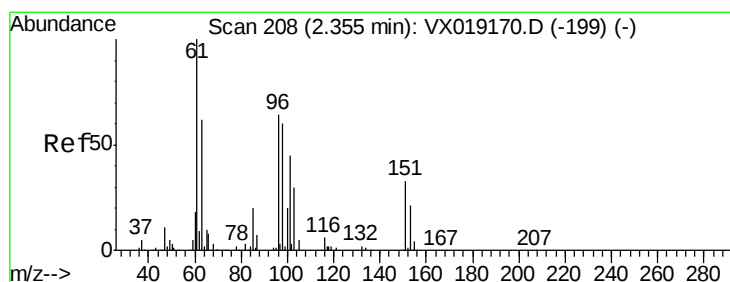
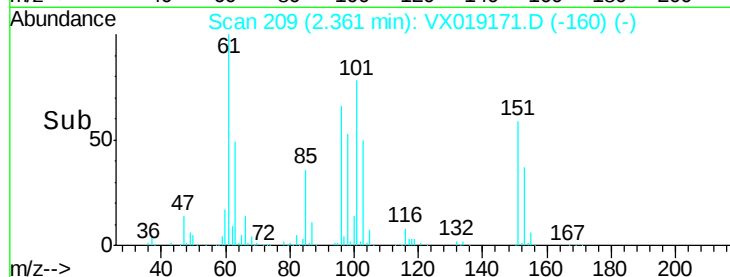
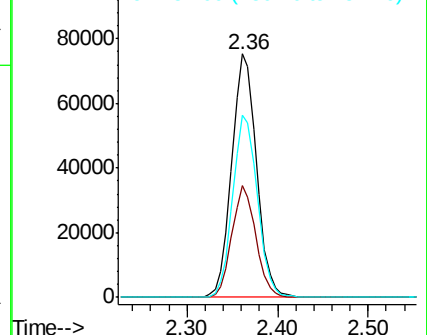
151 74.8 60.9 91.3



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: 10.061 ug/L

RT: 2.36 min Scan# 208

Delta R.T. -0.00 min

Lab File: VX019171.D

Acq: 28 Oct 2020 18:18

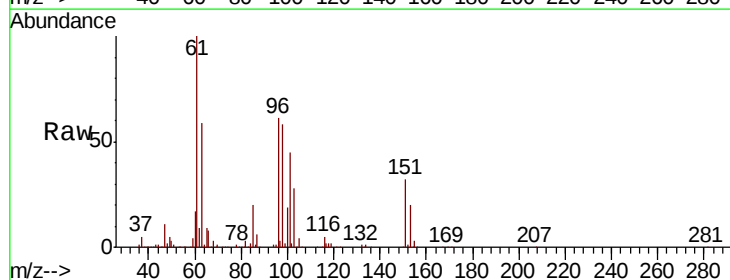
Tgt Ion: 96 Resp: 136836

Ion Ratio Lower Upper

96 100

61 164.0 109.5 203.3

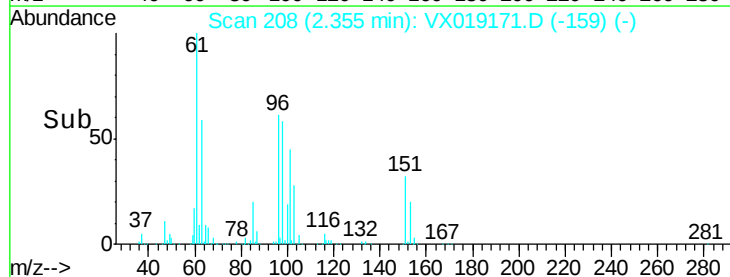
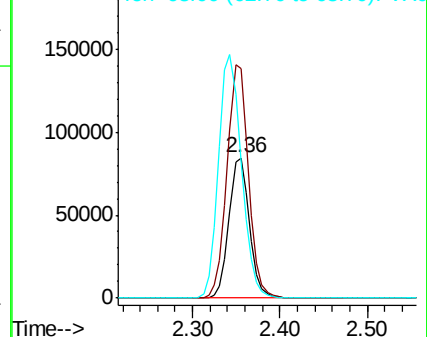
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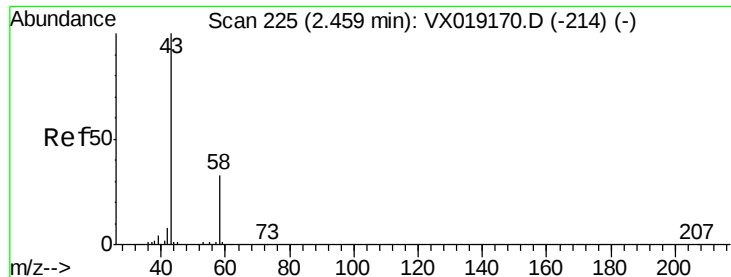


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.05 (60.75 to 61.75): VX0

Ion 63.00 (62.70 to 63.70): VX0





#13

Acetone

Concen: 101.093 ug/L

RT: 2.45 min Scan# 224

Delta R.T. -0.01 min

Lab File: VX019171.D

Acq: 28 Oct 2020 18:18

Instrument :

MSVOA_X

ClientSampleId :

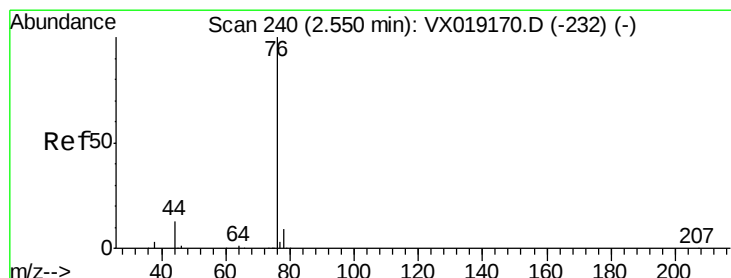
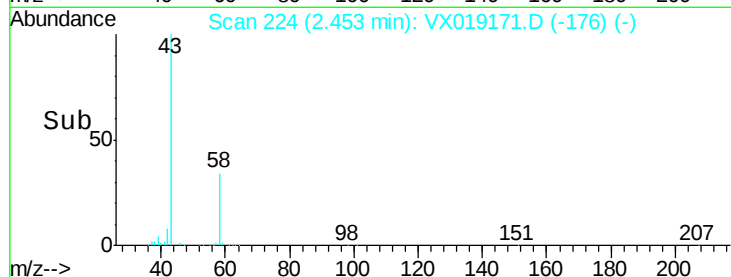
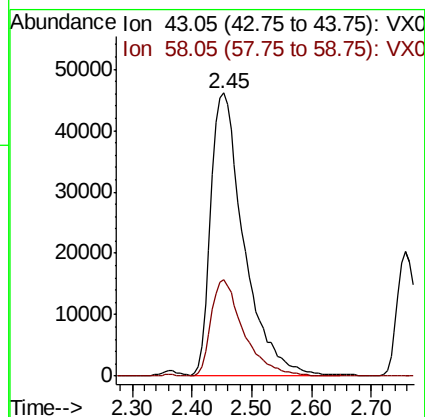
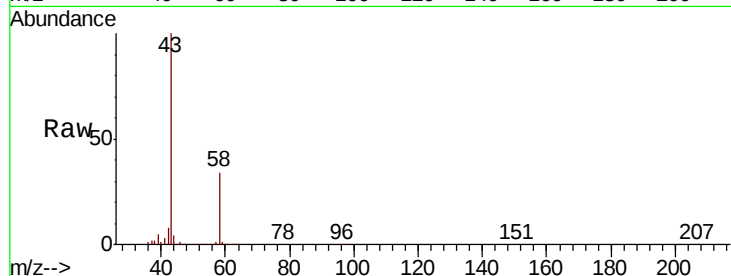
VSTD010304

Tot Ion: 43 Resp: 176226

Ion Ratio Lower Upper

43 100

58 33.7 0.0 65.4



#14

Carbon disulfide

Concen: 10.351 ug/L

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX019171.D

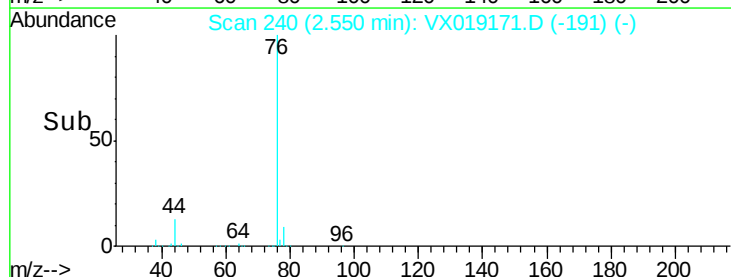
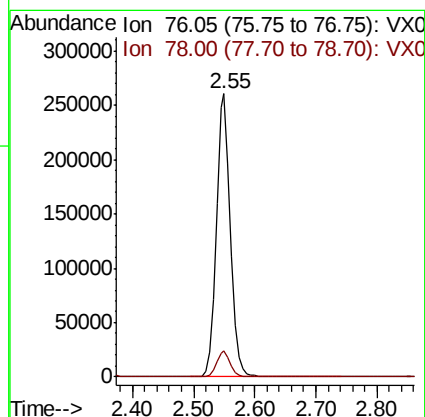
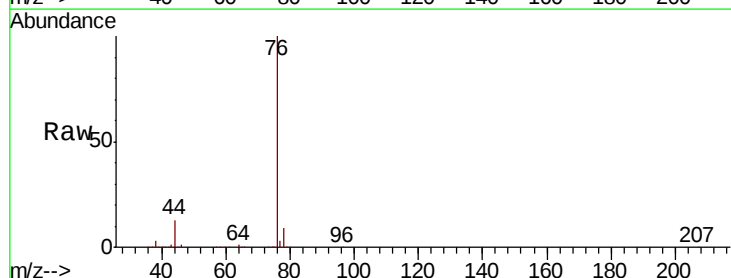
Acq: 28 Oct 2020 18:18

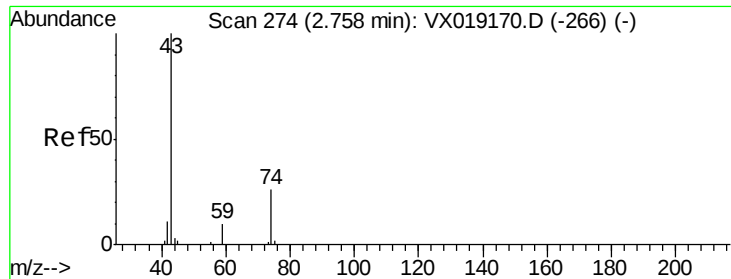
Tgt Ion: 76 Resp: 424139

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0





#15

Methyl Acetate

Concen: 10.139 ug/L

RT: 2.76 min Scan# 274

Delta R.T. -0.00 min

Lab File: VX019171.D

Acq: 28 Oct 2020 18:18

Instrument :

MSVOA_X

ClientSampleId :

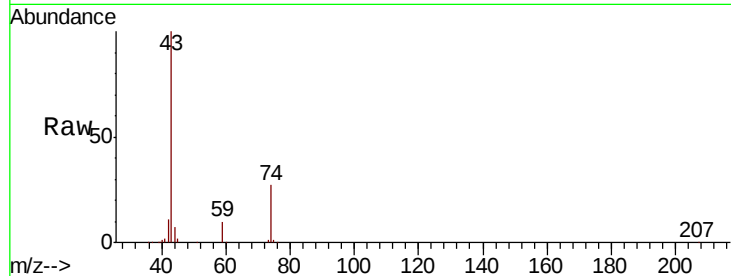
VSTD010304

Tot Ion: 43 Resp: 48268

Ion Ratio Lower Upper

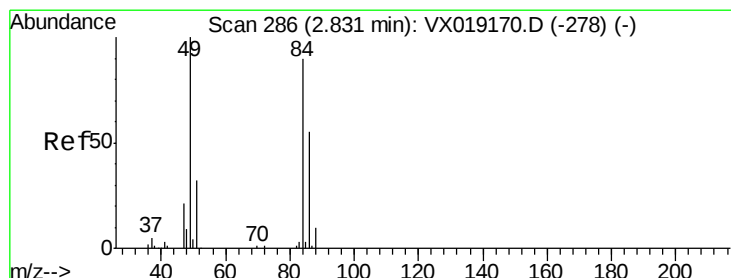
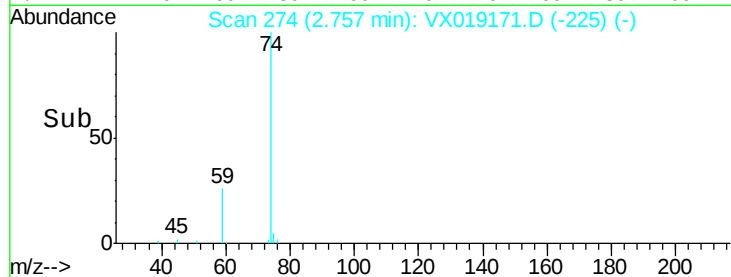
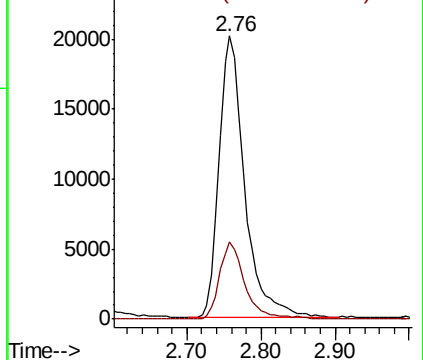
43 100

74 26.9 22.3 33.5



Abundance Ion 43.05 (42.75 to 43.75): VX0

Ion 74.05 (73.75 to 74.75): VX0



#16

Methylene chloride

Concen: 10.067 ug/L

RT: 2.83 min Scan# 286

Delta R.T. -0.00 min

Lab File: VX019171.D

Acq: 28 Oct 2020 18:18

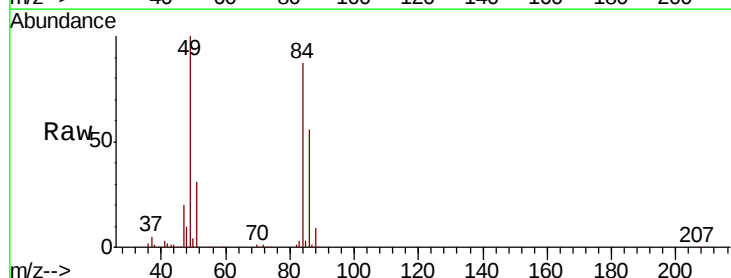
Tgt Ion: 84 Resp: 141489

Ion Ratio Lower Upper

84 100

86 64.0 42.2 78.4

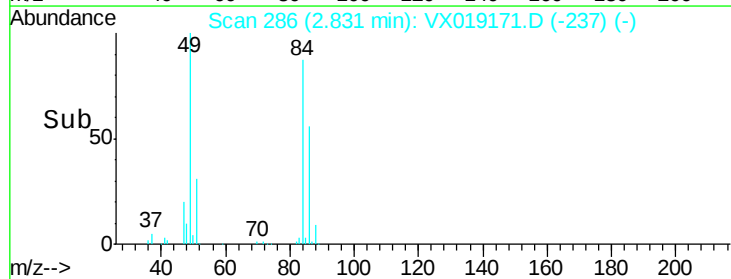
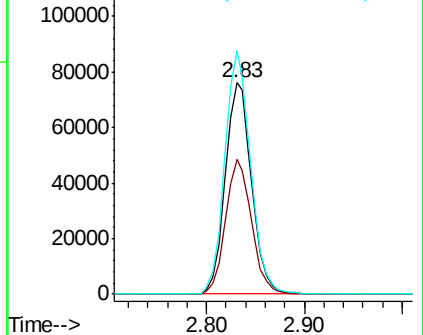
49 115.1 77.5 143.9

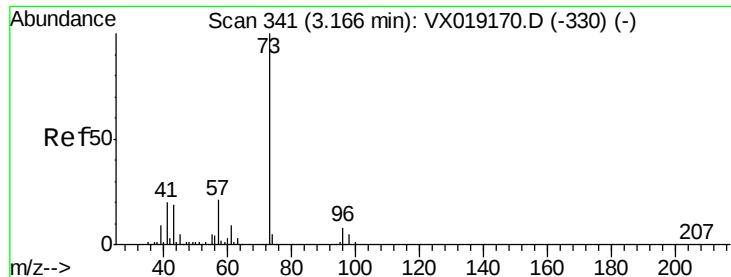


Abundance Ion 84.05 (83.75 to 84.75): VX0

Ion 86.00 (85.70 to 86.70): VX0

Ion 49.10 (48.80 to 49.80): VX0

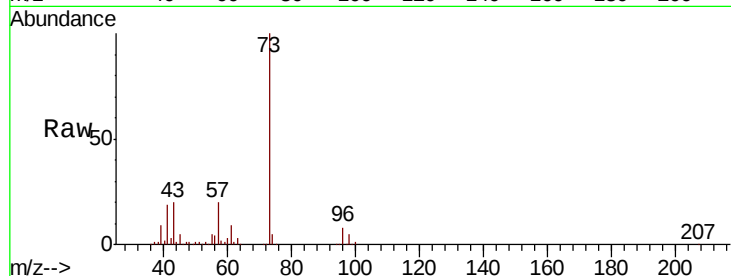




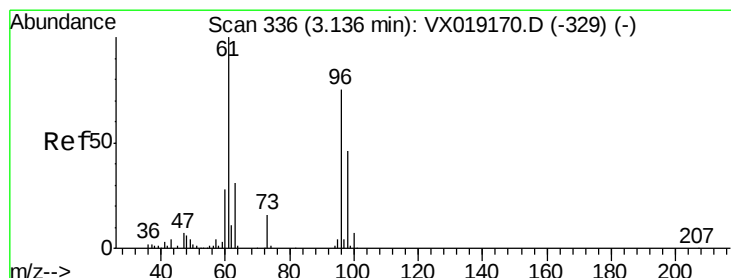
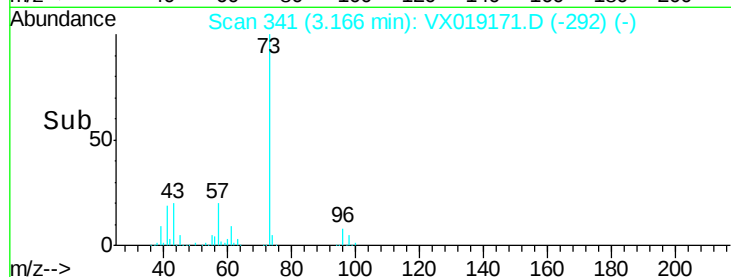
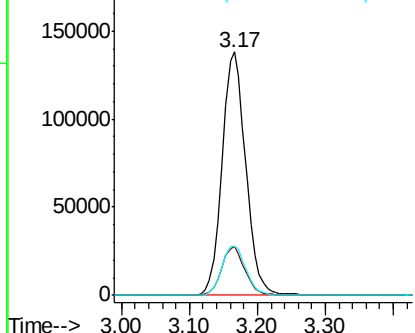
#17
Methvl tert-butvl Ether
Concen: 10.137 ug/L
RT: 3.17 min Scan# 341
Delta R.T. -0.00 min
Lab File: VX019171.D
Acq: 28 Oct 2020 18:18

Instrument :
MSVOA_X
ClientSampleId :
VSTD010304

Tot Ion	Ratio	Lower	Upper
73	100		
43	19.6	16.1	24.1
57	20.7	16.8	25.2

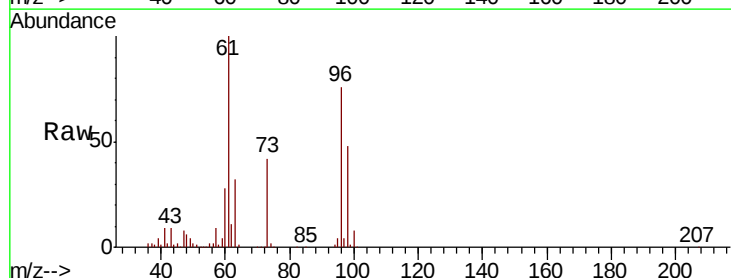


Abundance Ion 73.10 (72.80 to 73.80): VX0
Ion 43.05 (42.75 to 43.75): VX0
Ion 57.10 (56.80 to 57.80): VX0

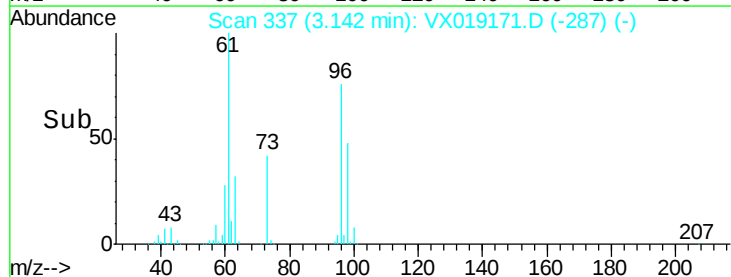
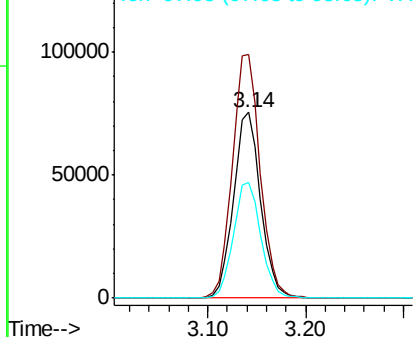


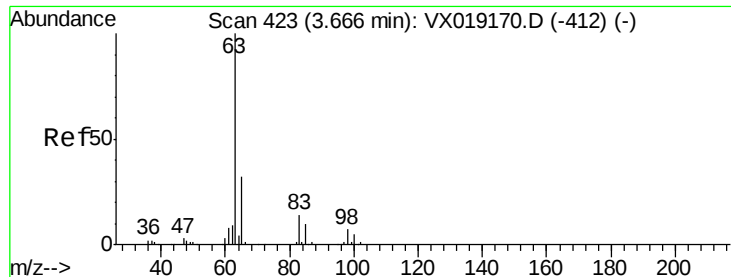
#18
trans-1,2-Dichloroethene
Concen: 10.239 ug/L
RT: 3.14 min Scan# 337
Delta R.T. 0.01 min
Lab File: VX019171.D
Acq: 28 Oct 2020 18:18

Tgt Ion	Ratio	Lower	Upper
96	100		
61	131.1	93.7	173.9
98	62.4	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

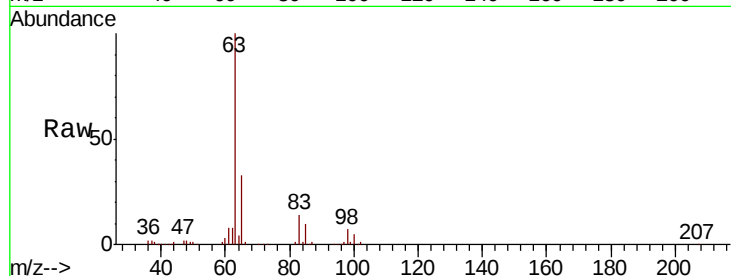




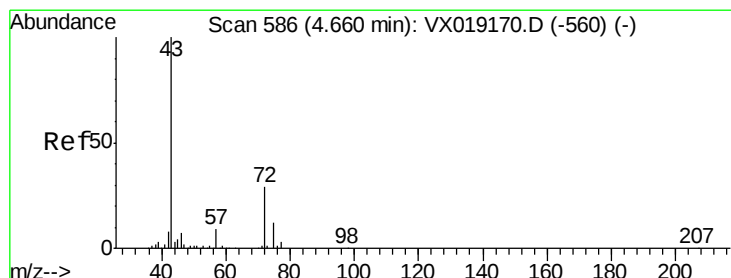
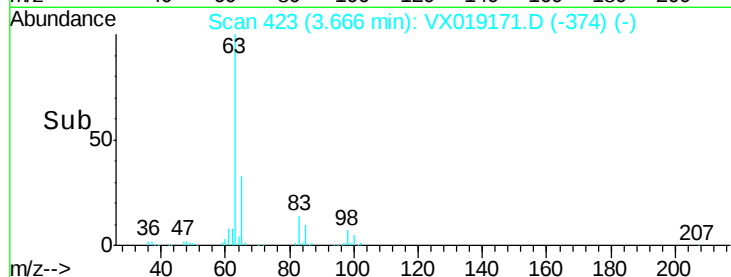
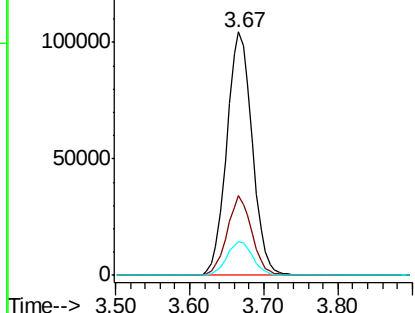
#19
 1,1-Dichloroethane
 Concen: 10.299 ug/L
 RT: 3.67 min Scan# 423
 Delta R.T. -0.00 min
 Lab File: VX019171.D
 Acq: 28 Oct 2020 18:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD010304

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.6	22.5	41.9
83	13.9	9.7	17.9

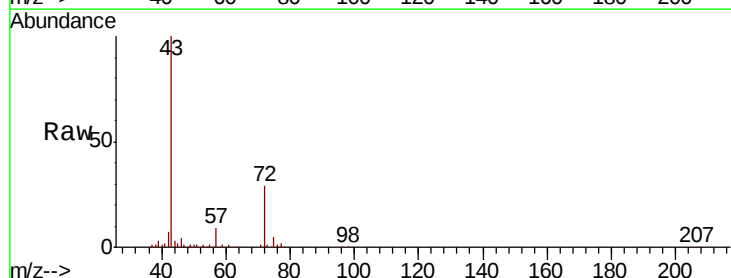


Abundance Ion 63.10 (62.80 to 63.80): VX0
 Ion 65.10 (64.80 to 65.80): VX0
 Ion 83.05 (82.75 to 83.75): VX0

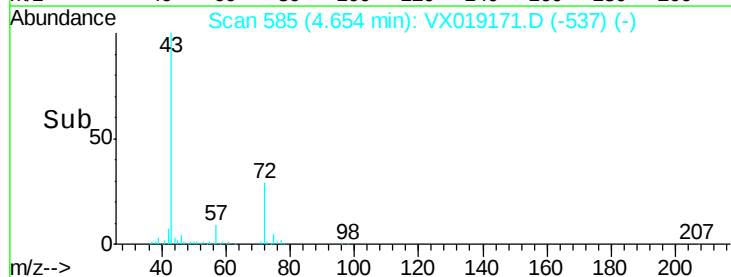
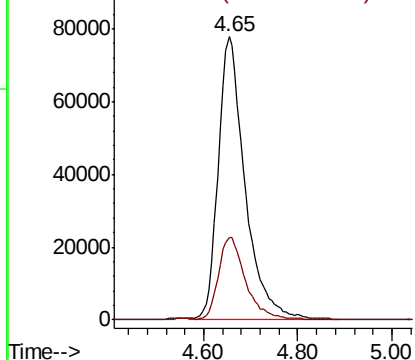


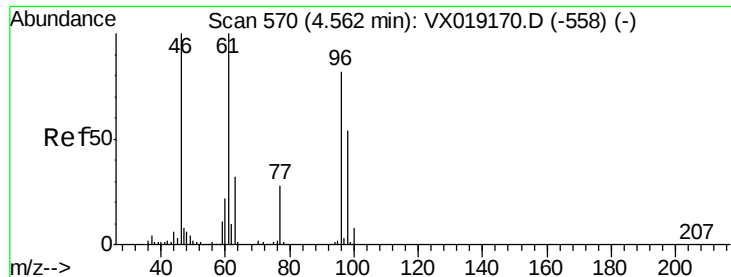
#21
 2-Butanone
 Concen: 99.592 ug/L
 RT: 4.65 min Scan# 585
 Delta R.T. -0.01 min
 Lab File: VX019171.D
 Acq: 28 Oct 2020 18:18

Tgt Ion	Ratio	Lower	Upper
43	100		
72	29.8	14.4	43.4



Abundance Ion 43.05 (42.75 to 43.75): VX0
 Ion 72.10 (71.80 to 72.80): VX0



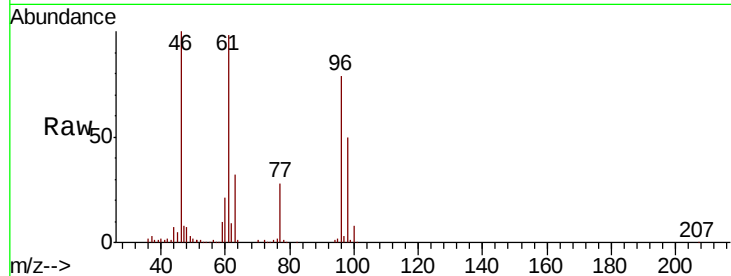


#22

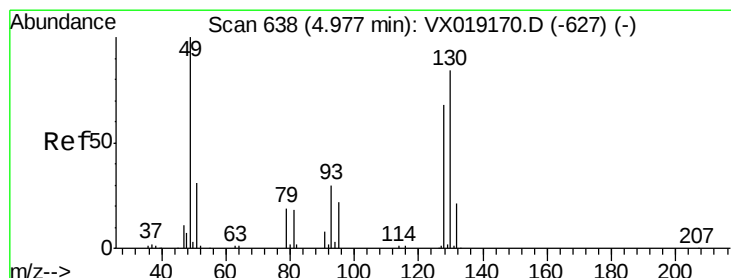
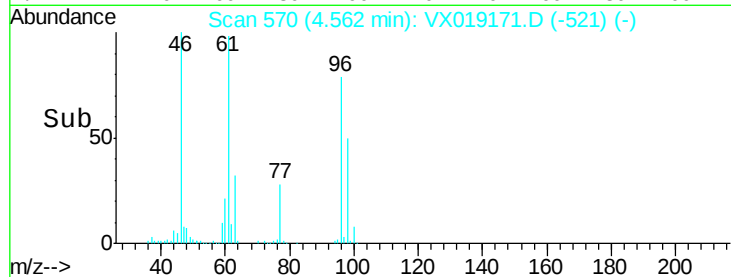
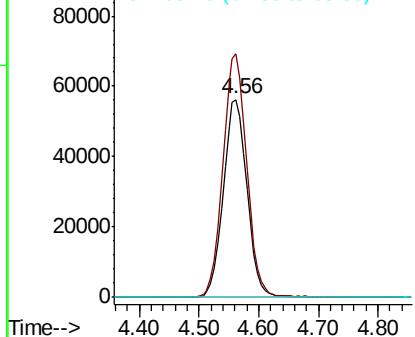
cis-1,2-Dichloroethene
Concen: 10.417 ug/L
RT: 4.56 min Scan# 570
Delta R.T. -0.00 min
Lab File: VX019171.D
Acq: 28 Oct 2020 18:18

Instrument :
MSVOA_X
ClientSampleId :
VSTD010304

Tot Ion	Ratio	Lower	Upper
96	100		
61	123.0	85.7	159.1
68	0.0	0.0	0.0



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

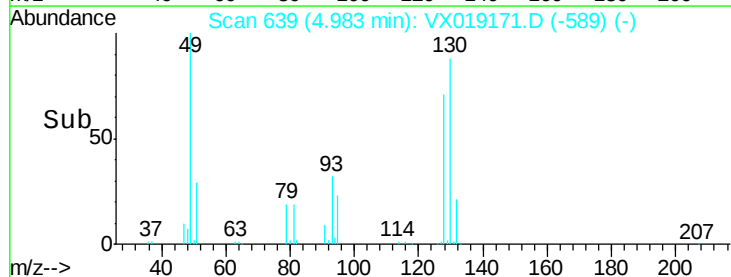
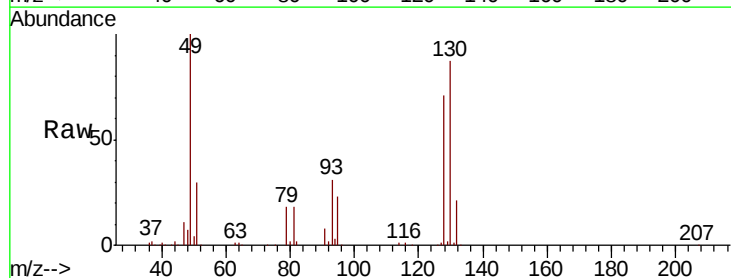
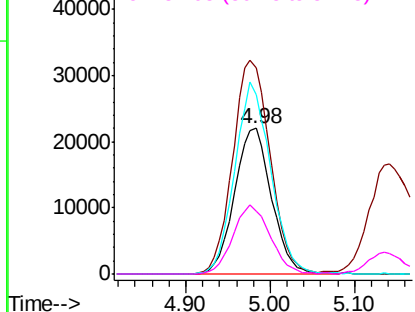


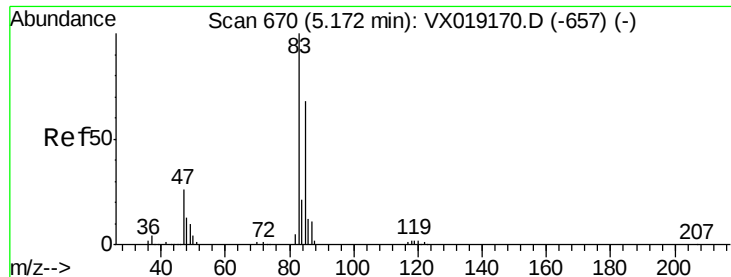
#23

Bromochloromethane
Concen: 10.202 ug/L
RT: 4.98 min Scan# 639
Delta R.T. 0.01 min
Lab File: VX019171.D
Acq: 28 Oct 2020 18:18

Tgt Ion	Ratio	Lower	Upper
128	100		
49	141.7	102.8	191.0
130	123.4	86.3	160.3
51	43.0	36.5	54.7

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





#25

Chloroform

Concen: 10.379 ug/L

RT: 5.17 min Scan# 670

Delta R.T. -0.00 min

Lab File: VX019171.D

Acq: 28 Oct 2020 18:18

Instrument :

MSVOA_X

ClientSampleId :

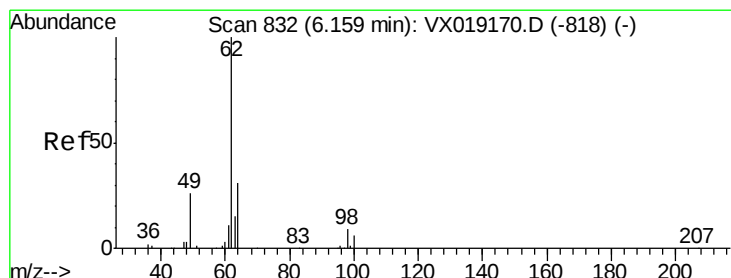
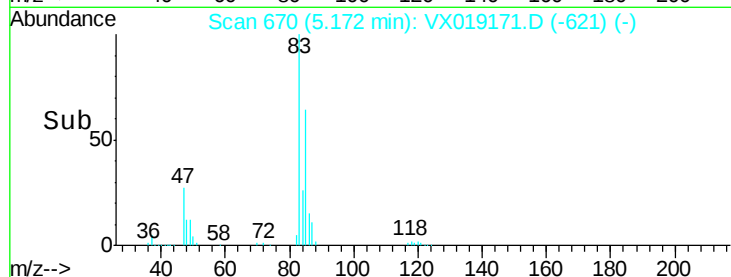
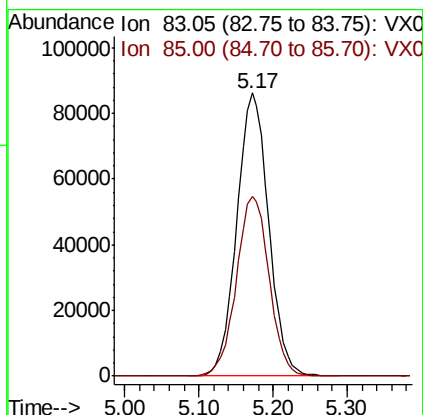
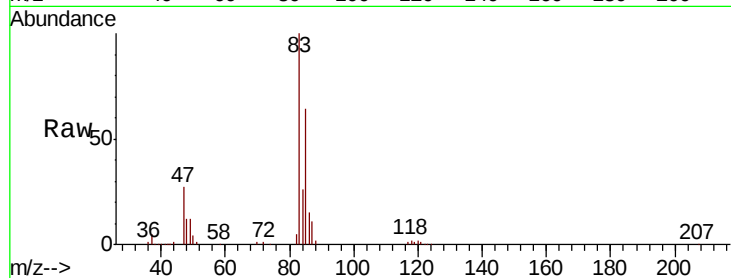
VSTD010304

Tot Ion: 83 Resp: 259067

Ion Ratio Lower Upper

83 100

85 63.6 47.6 88.4



#27

1,2-Dichloroethane

Concen: 10.183 ug/L

RT: 6.16 min Scan# 832

Delta R.T. -0.00 min

Lab File: VX019171.D

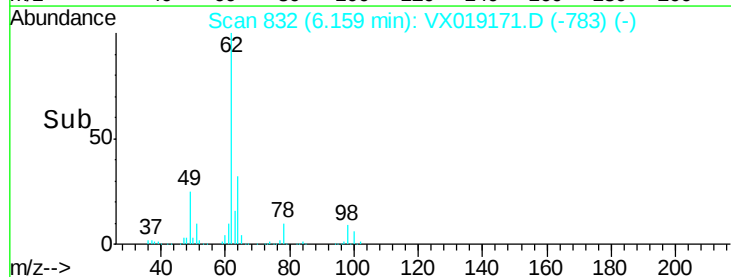
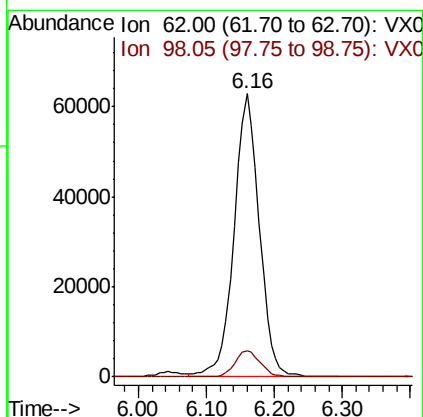
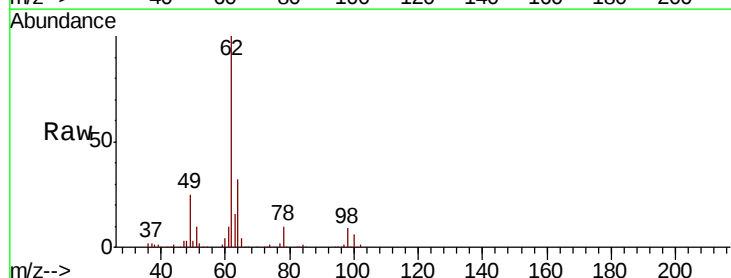
Acq: 28 Oct 2020 18:18

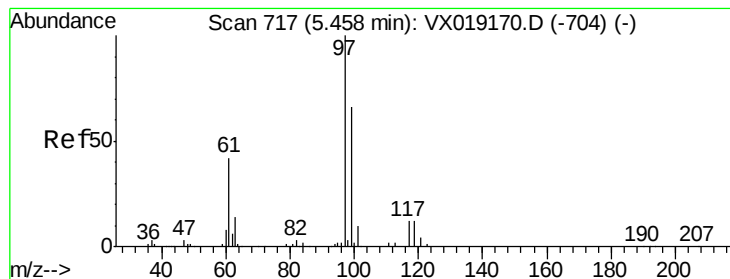
Tgt Ion: 62 Resp: 161802

Ion Ratio Lower Upper

62 100

98 9.4 7.4 11.0





#29

1,1,1-Trichloroethane

Concen: 10.518 ug/L

RT: 5.46 min Scan# 717

Delta R.T. -0.00 min

Lab File: VX019171.D

Acq: 28 Oct 2020 18:18

Instrument :

MSVOA_X

ClientSampleId :

VSTD010304

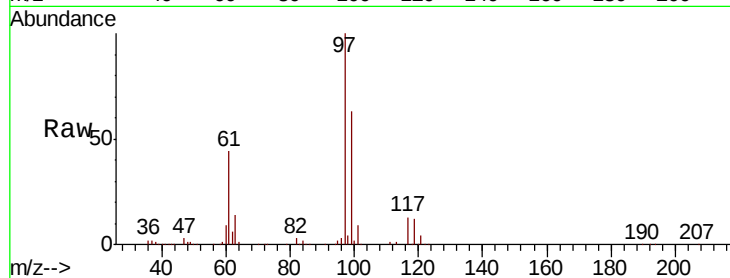
Tot Ion: 97 Resp: 243394

Ion Ratio Lower Upper

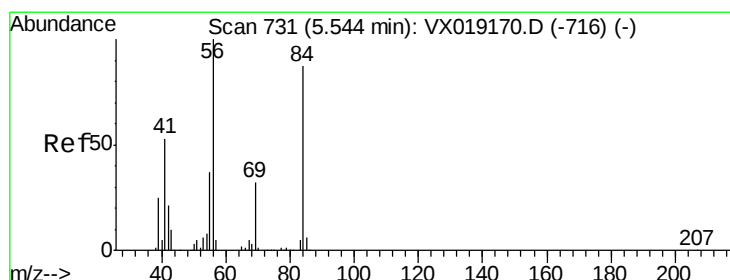
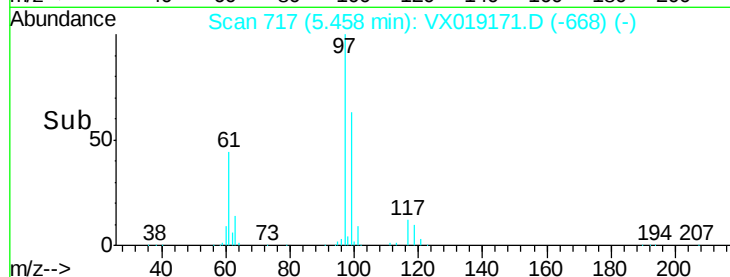
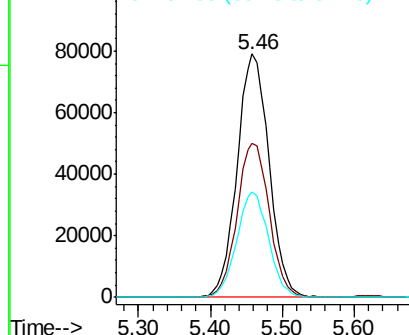
97 100

99 63.8 51.8 77.8

61 43.2 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: 10.524 ug/L

RT: 5.54 min Scan# 731

Delta R.T. -0.00 min

Lab File: VX019171.D

Acq: 28 Oct 2020 18:18

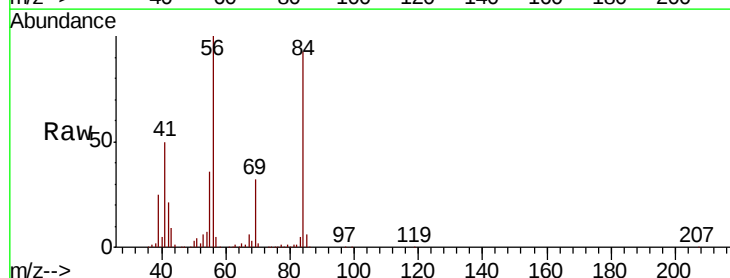
Tgt Ion: 56 Resp: 240528

Ion Ratio Lower Upper

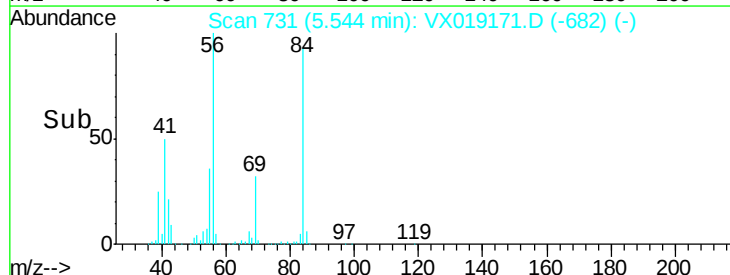
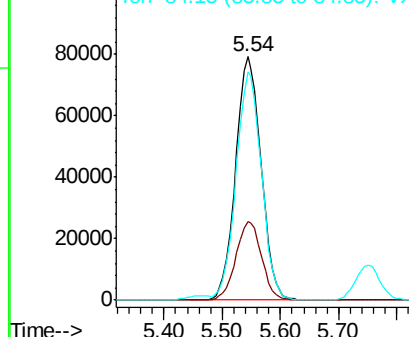
56 100

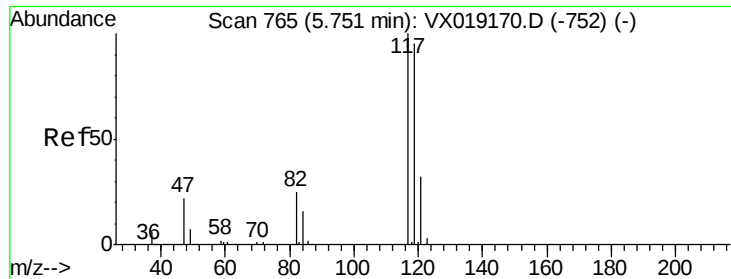
69 32.5 26.2 39.2

84 93.6 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

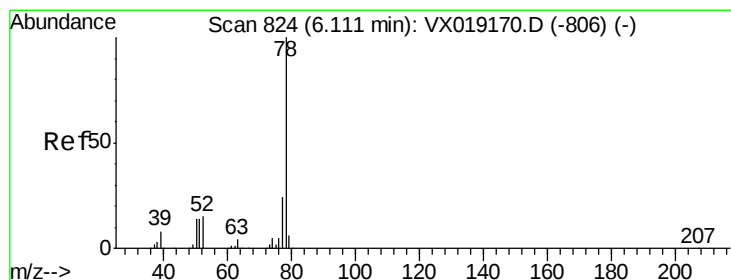
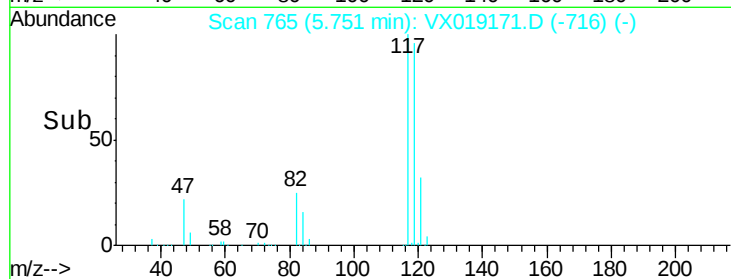
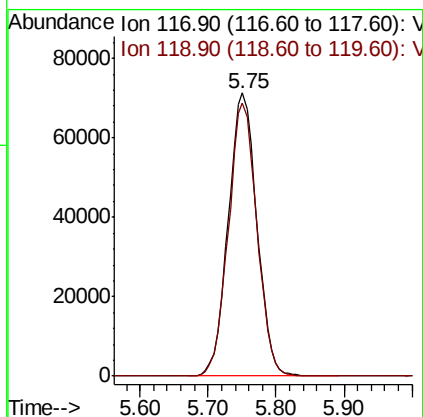
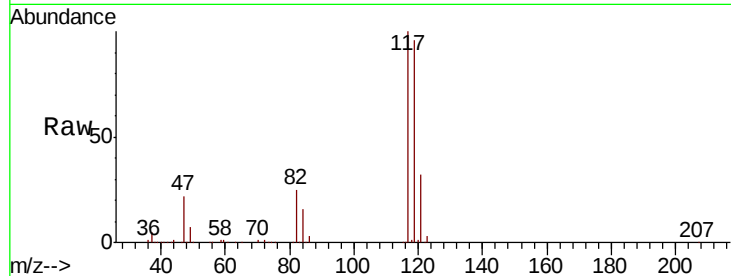




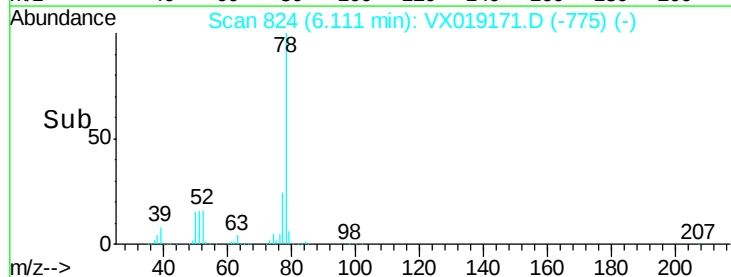
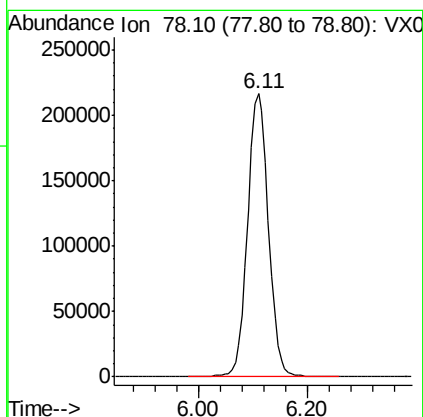
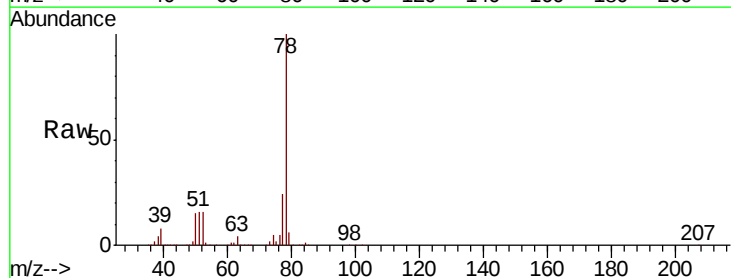
#31
Carbon tetrachloride
Concen: 10.656 ug/L
RT: 5.75 min Scan# 765
Delta R.T. -0.00 min
Lab File: VX019171.D
Acq: 28 Oct 2020 18:18

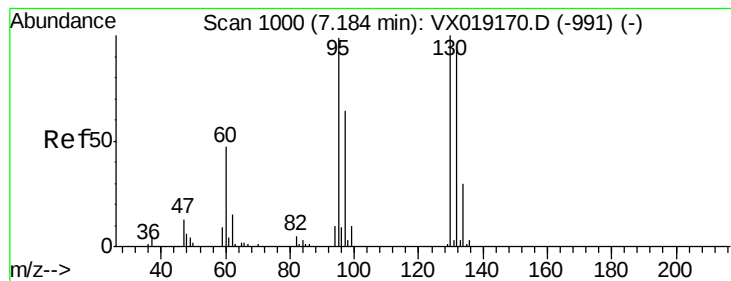
Instrument :
MSVOA_X
ClientSampleId :
VSTD010304

Tot Ion:117 Resp: 207502
Ion Ratio Lower Upper
117 100
119 96.4 77.3 115.9



#33
Benzene
Concen: 10.309 ug/L
RT: 6.11 min Scan# 824
Delta R.T. -0.00 min
Lab File: VX019171.D
Acq: 28 Oct 2020 18:18
Tgt Ion: 78 Resp: 576249





#34

Trichloroethene

Concen: 10.277 ug/L

RT: 7.18 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VX019171.D

Acq: 28 Oct 2020 18:18

Instrument :

MSVOA_X

ClientSampleId :

VSTD010304

Tot Ion: 95 Resp: 156647

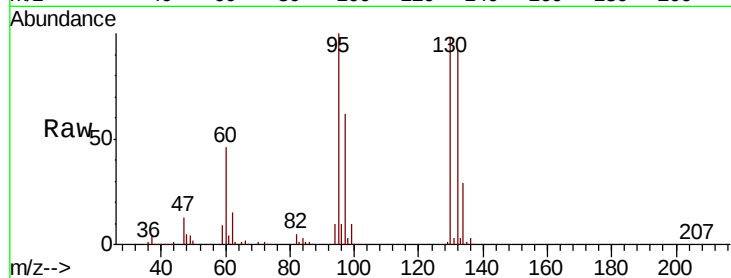
Ion Ratio Lower Upper

95 100

97 62.5 45.2 84.0

132 92.1 65.3 121.3

130 97.7 70.6 131.0

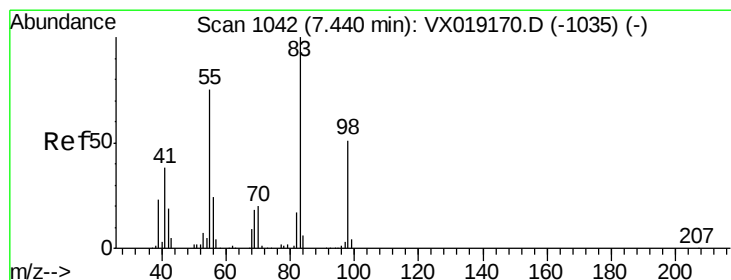
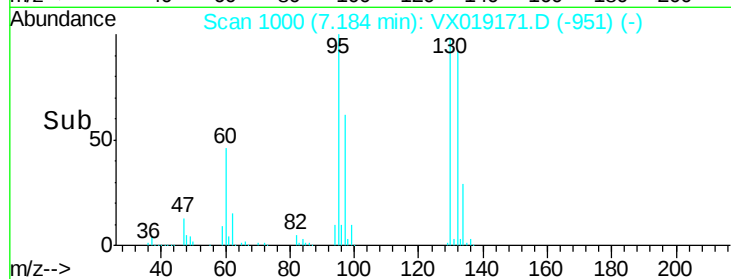
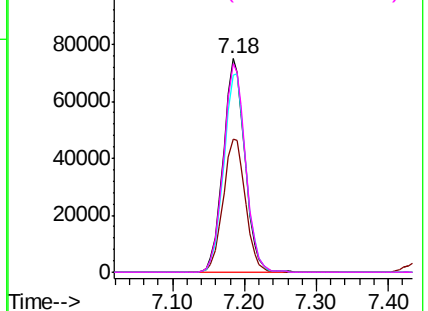


Abundance Ion 95.00 (94.70 to 95.70): VX0

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: 10.628 ug/L

RT: 7.44 min Scan# 1042

Delta R.T. -0.00 min

Lab File: VX019171.D

Acq: 28 Oct 2020 18:18

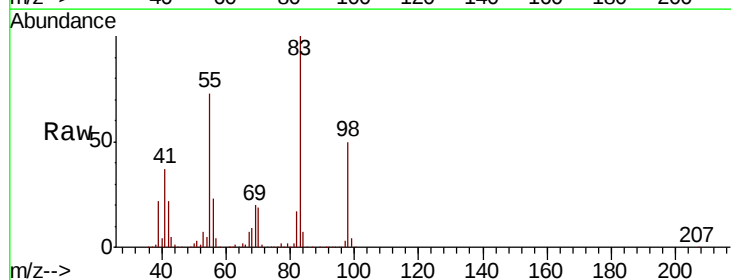
Tgt Ion: 83 Resp: 260127

Ion Ratio Lower Upper

83 100

55 72.8 58.5 87.7

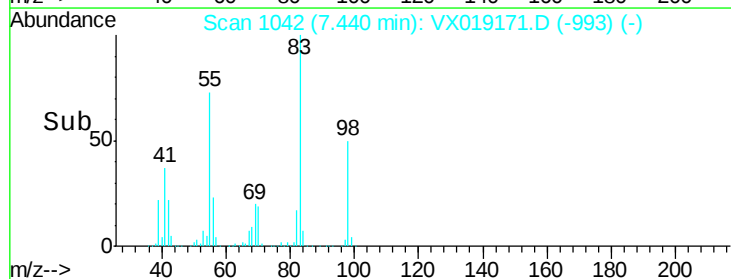
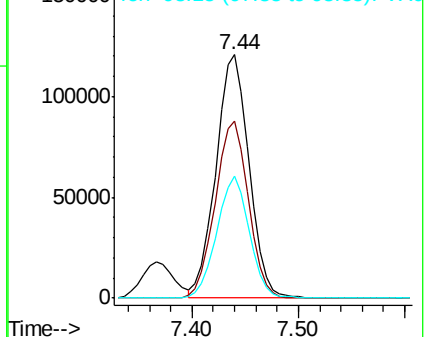
98 49.4 40.1 60.1

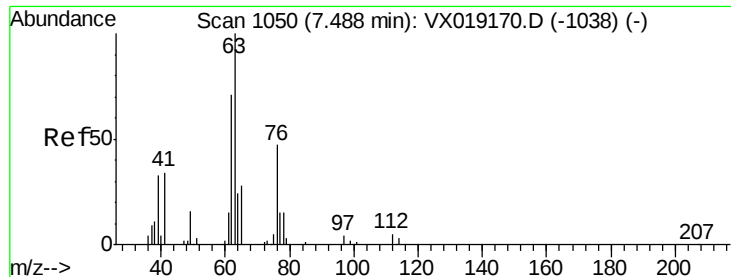


Abundance Ion 83.15 (82.85 to 83.85): VX0

Ion 55.10 (54.80 to 55.80): VX0

Ion 98.15 (97.85 to 98.85): VX0





#37

1,2-Dichloropropane

Concen: 10.308 ug/L

RT: 7.49 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VX019171.D

Acq: 28 Oct 2020 18:18

Instrument :

MSVOA_X

ClientSampleId :

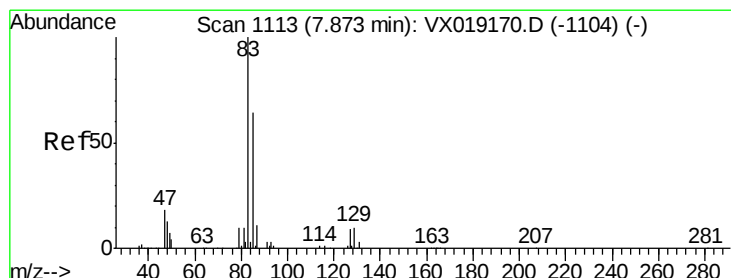
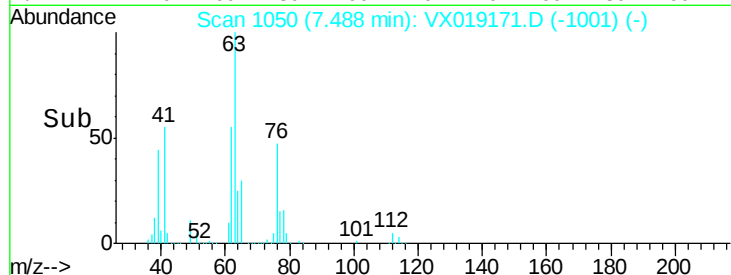
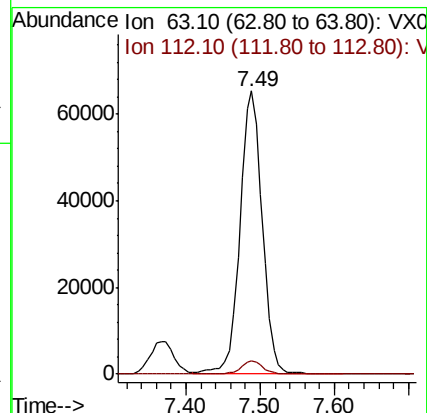
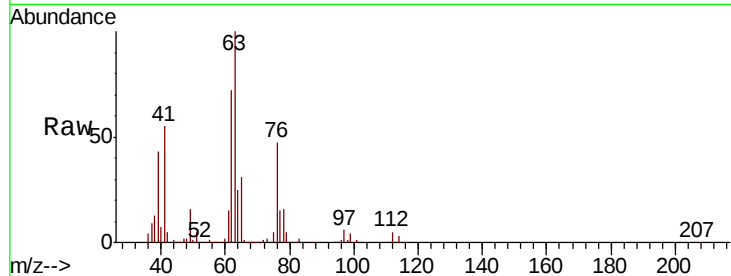
VSTD010304

Tot Ion: 63 Resp: 137073

Ion Ratio Lower Upper

63 100

112 4.6 3.8 5.6



#38

Bromodichloromethane

Concen: 10.637 ug/L

RT: 7.87 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VX019171.D

Acq: 28 Oct 2020 18:18

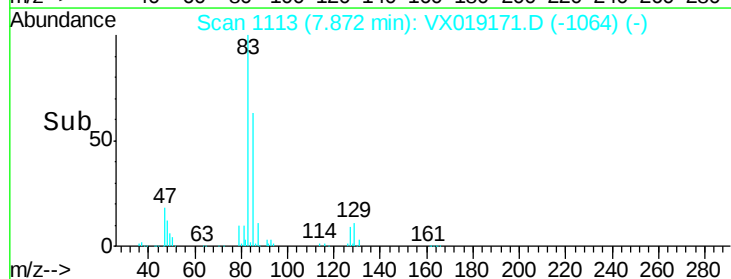
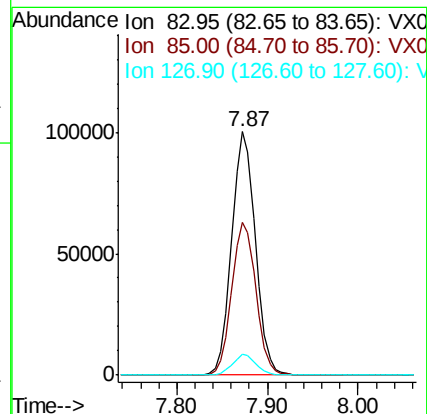
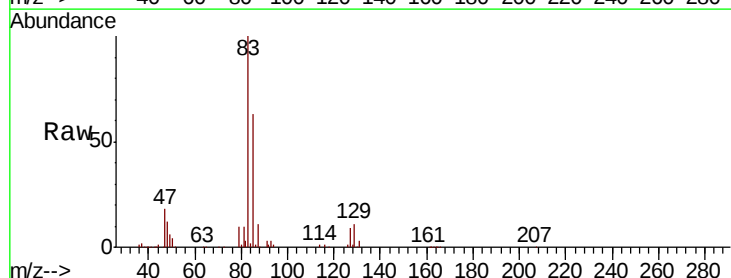
Tgt Ion: 83 Resp: 182323

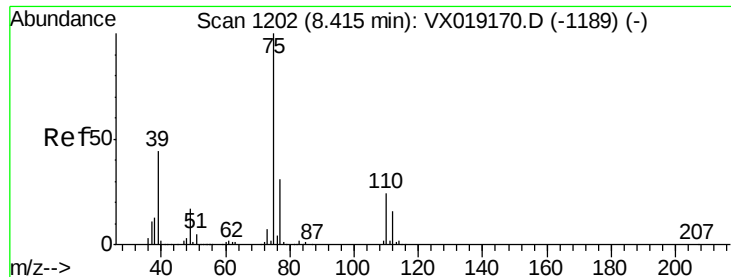
Ion Ratio Lower Upper

83 100

85 62.5 44.4 82.5

127 8.7 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 10.661 ug/L

RT: 8.42 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VX019171.D

Acq: 28 Oct 2020 18:18

Instrument :

MSVOA_X

ClientSampleId :

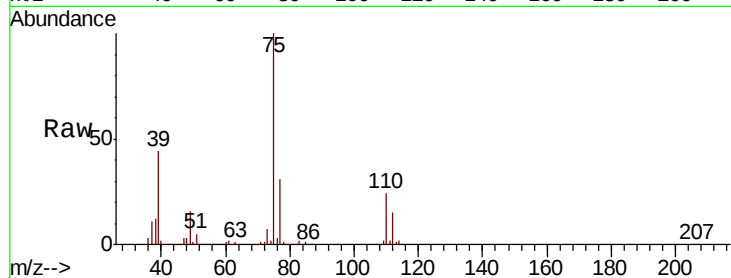
VSTD010304

Tot Ion: 75 Resp: 216841

Ion Ratio Lower Upper

75 100

77 31.3 21.8 40.6



Abundance Ion 75.05 (74.75 to 75.75): VX0

Ion 77.05 (76.75 to 77.75): VX0

8.42

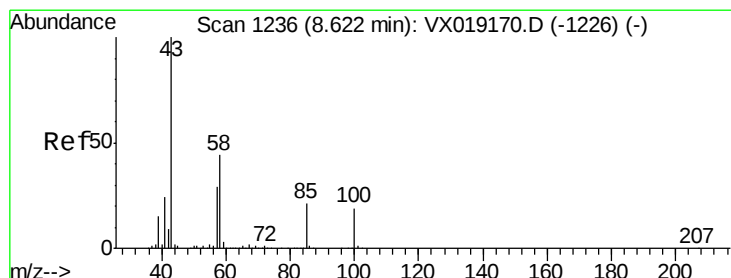
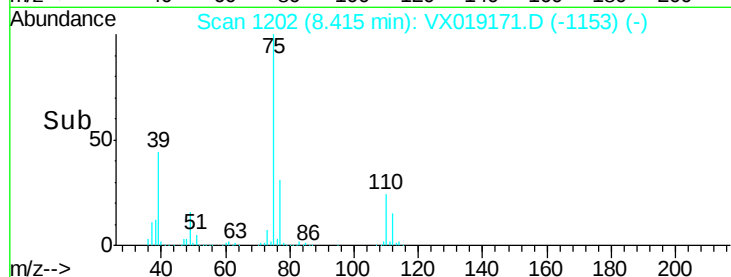
150000

100000

50000

0

Time--> 8.30 8.40 8.50



#40

4-Methyl-2-pentanone

Concen: 103.249 ug/L

RT: 8.62 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VX019171.D

Acq: 28 Oct 2020 18:18

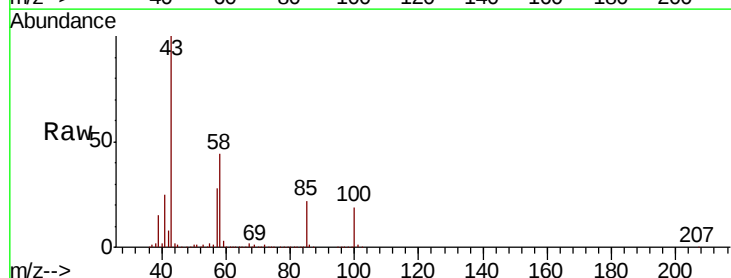
Tgt Ion: 43 Resp: 751369

Ion Ratio Lower Upper

43 100

58 43.1 34.1 51.1

100 18.9 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

600000

500000

400000

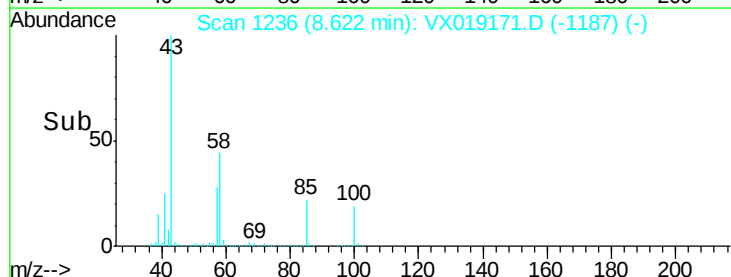
300000

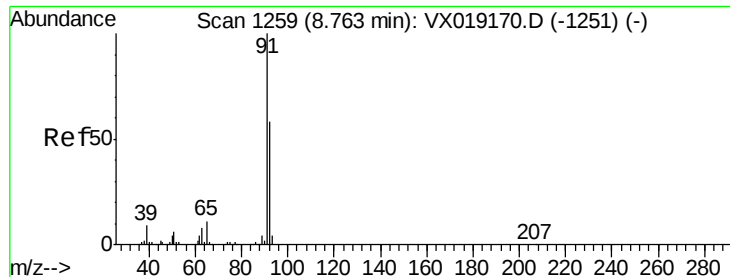
200000

100000

0

Time--> 8.50 8.60 8.70 8.80





#42

Toluene

Concen: 10.301 ug/L

RT: 8.76 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VX019171.D

Acq: 28 Oct 2020 18:18

Instrument :

MSVOA_X

ClientSampleId :

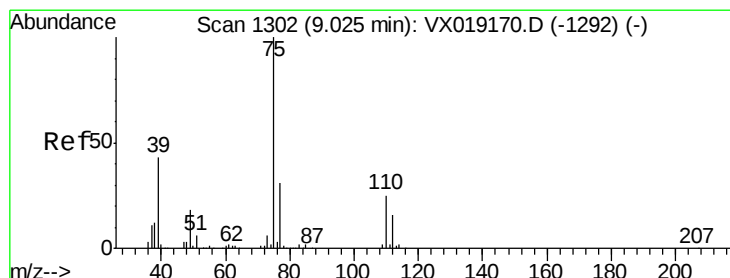
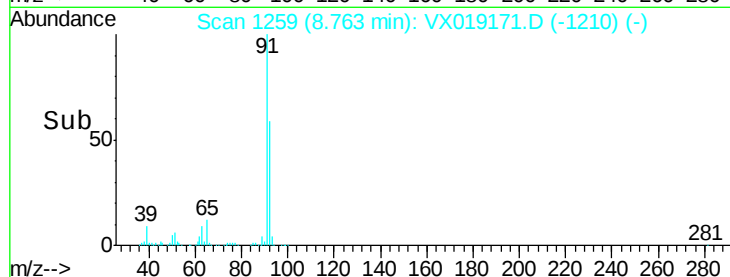
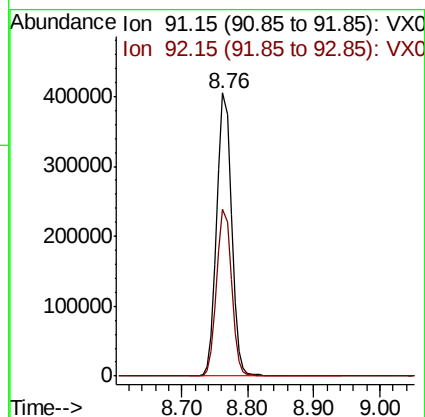
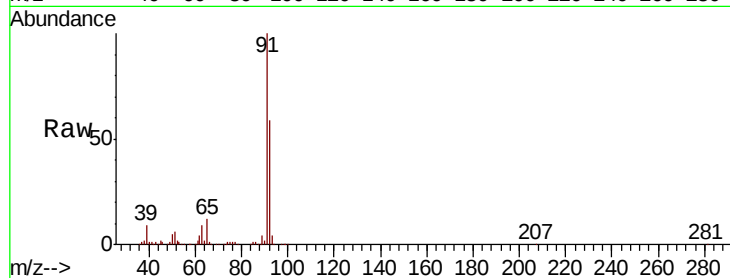
VSTD010304

Tot Ion: 91 Resp: 626123

Ion Ratio Lower Upper

91 100

92 58.8 40.7 75.7



#44

trans-1,3-Dichloropropene

Concen: 10.597 ug/L

RT: 9.02 min Scan# 1301

Delta R.T. -0.01 min

Lab File: VX019171.D

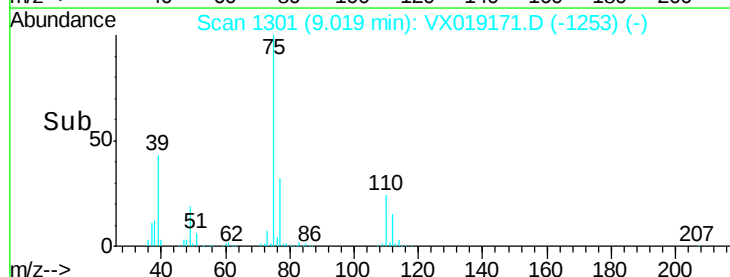
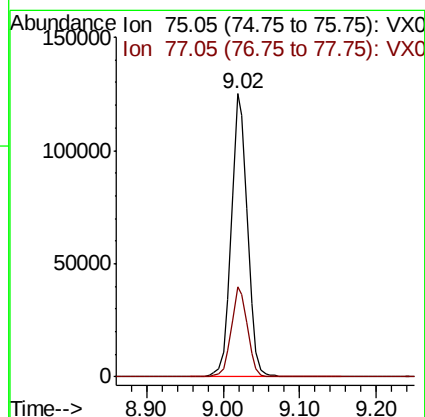
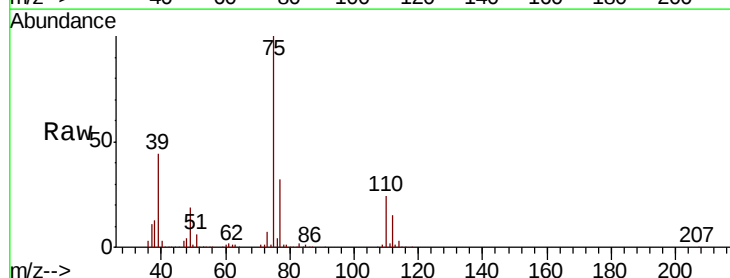
Acq: 28 Oct 2020 18:18

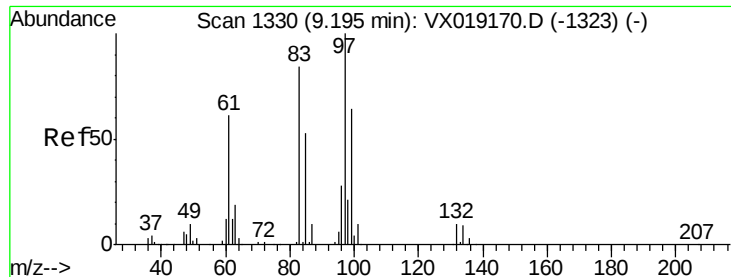
Tgt Ion: 75 Resp: 182866

Ion Ratio Lower Upper

75 100

77 31.6 21.7 40.3

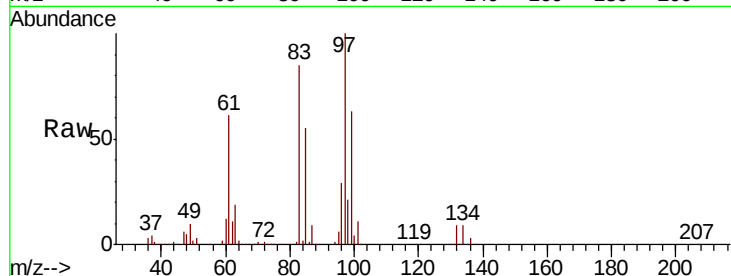




#45
 1,1,2-Trichloroethane
 Concen: 10.211 ug/L
 RT: 9.20 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VX019171.D
 Acq: 28 Oct 2020 18:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD010304

Tot Ion:	97	Resp:	99554
Ion	Ratio	Lower	Upper
97	100		
99	63.2	44.8	83.2
83	85.3	59.1	109.7
85	55.3	37.4	69.4



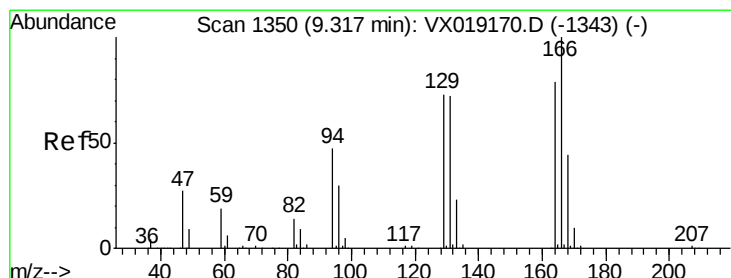
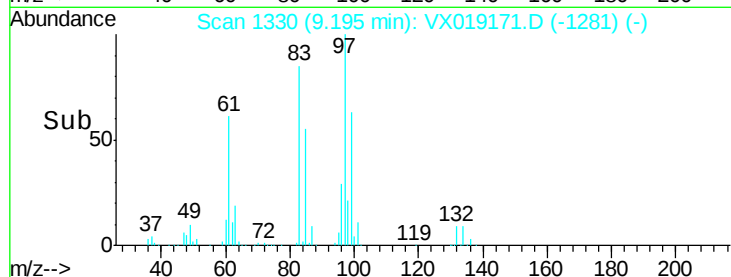
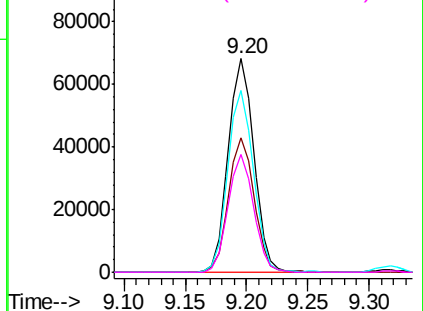
Abundance

Ion 96.95 (96.65 to 97.65): VX0

Ion 99.05 (98.75 to 99.75): VX0

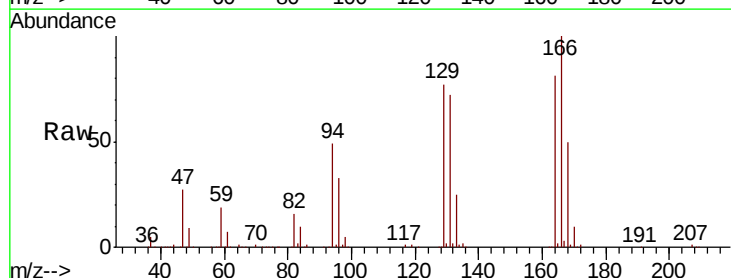
Ion 82.95 (82.65 to 83.65): VX0

Ion 85.00 (84.70 to 85.70): VX0



#47
 Tetrachloroethene
 Concen: 10.352 ug/L
 RT: 9.32 min Scan# 1350
 Delta R.T. -0.00 min
 Lab File: VX019171.D
 Acq: 28 Oct 2020 18:18

Tgt Ion:	164	Resp:	120402
Ion	Ratio	Lower	Upper
164	100		
129	95.1	64.2	119.2
131	89.5	63.8	118.4
166	124.1	88.3	164.1



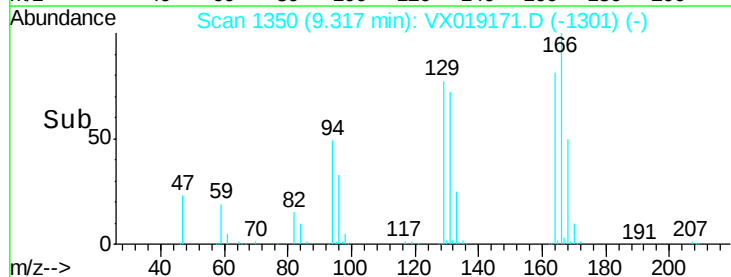
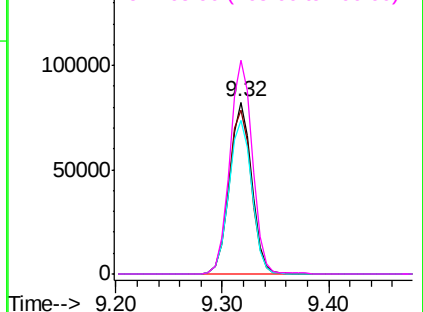
Abundance

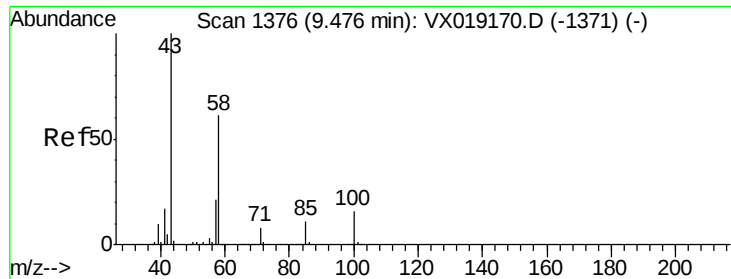
Ion 163.90 (163.60 to 164.60): V

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

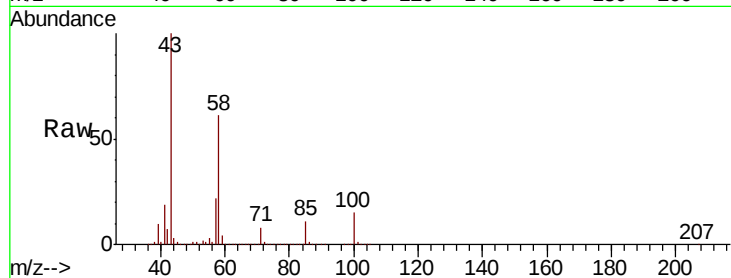




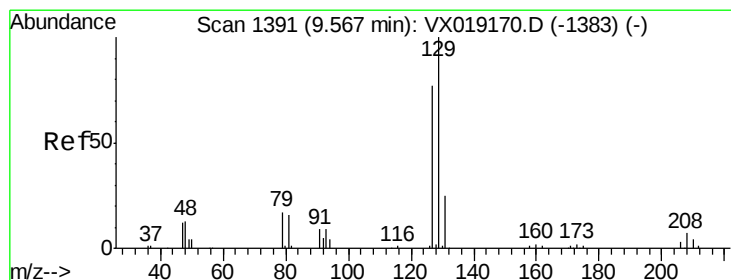
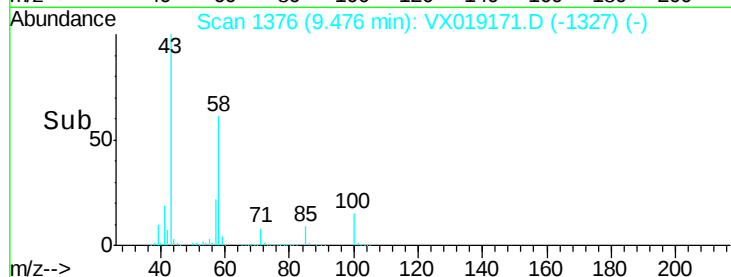
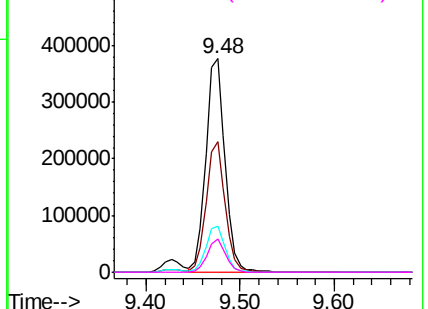
#48
2-Hexanone
Concen: 103.788 ug/L
RT: 9.48 min Scan# 1376
Delta R.T. -0.00 min
Lab File: VX019171.D
Acq: 28 Oct 2020 18:18

Instrument :
MSVOA_X
ClientSampleId :
VSTD010304

Tot Ion:	43	Resp:	531110
Ion	Ratio	Lower	Upper
43	100		
58	60.4	49.3	73.9
57	21.7	17.2	25.8
100	15.1	11.8	17.8

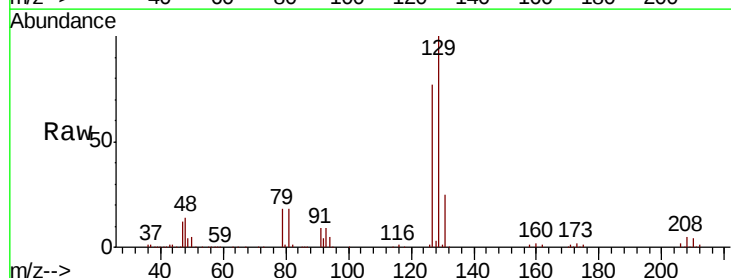


Abundance Ion 43.05 (42.75 to 43.75): VX0
Ion 58.05 (57.75 to 58.75): VX0
Ion 57.20 (56.90 to 57.90): VX0
Ion 100.15 (99.85 to 100.85): V

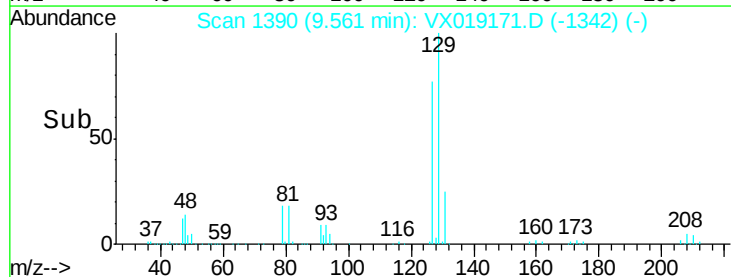
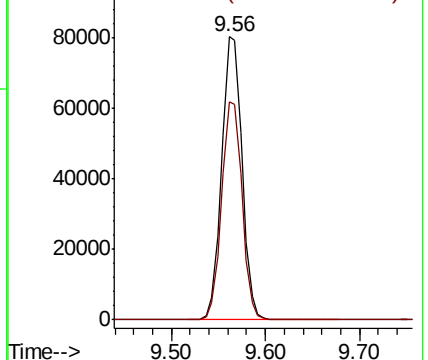


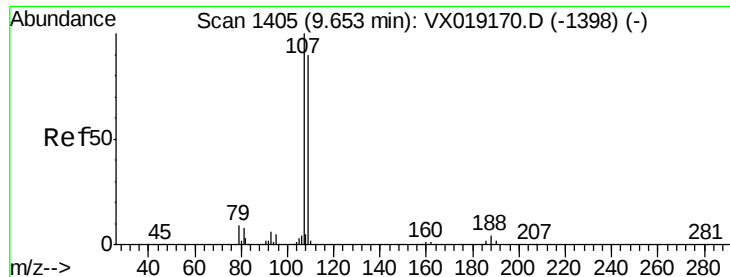
#49
Dibromochloromethane
Concen: 10.723 ug/L
RT: 9.56 min Scan# 1390
Delta R.T. -0.01 min
Lab File: VX019171.D
Acq: 28 Oct 2020 18:18

Tgt Ion:	129	Resp:	119984
Ion	Ratio	Lower	Upper
129	100		
127	77.0	53.6	99.6



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

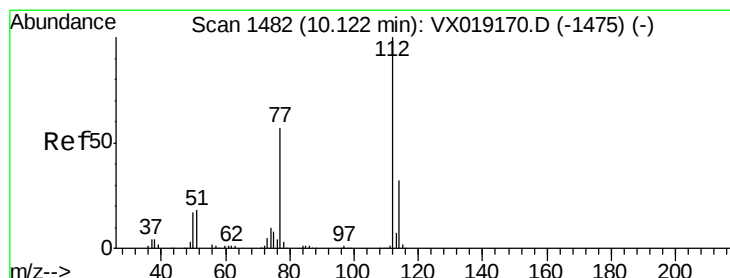
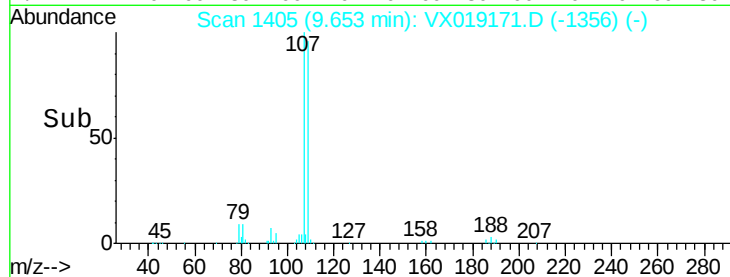
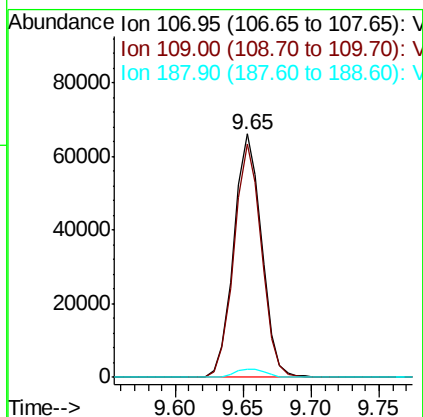
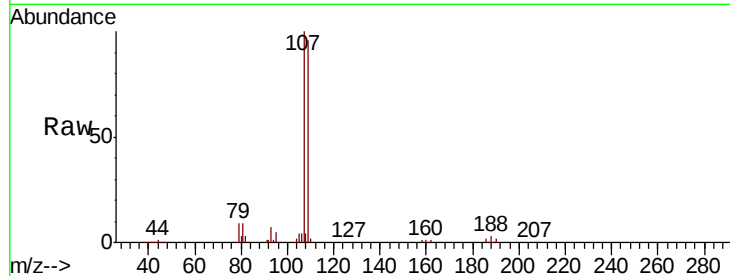




#50
 1,2-Dibromoethane
 Concen: 10.425 ug/L
 RT: 9.65 min Scan# 1405
 Delta R.T. -0.00 min
 Lab File: VX019171.D
 Acq: 28 Oct 2020 18:18

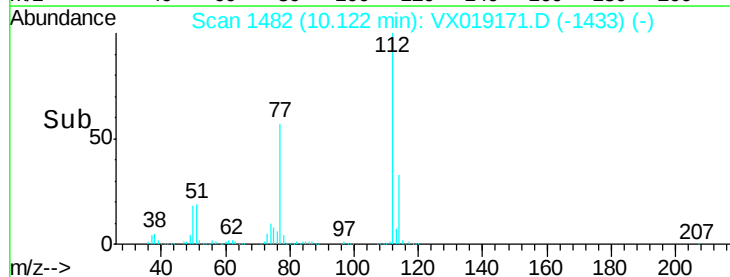
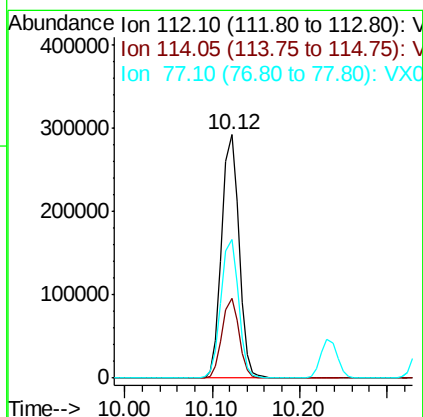
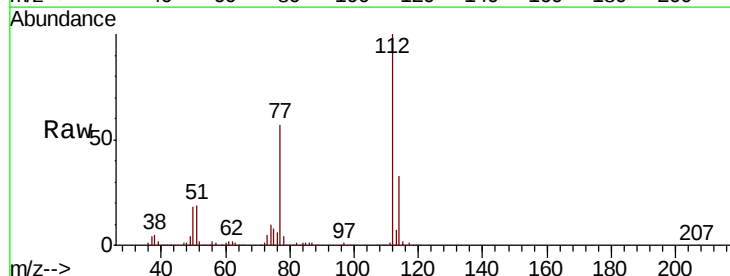
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD010304

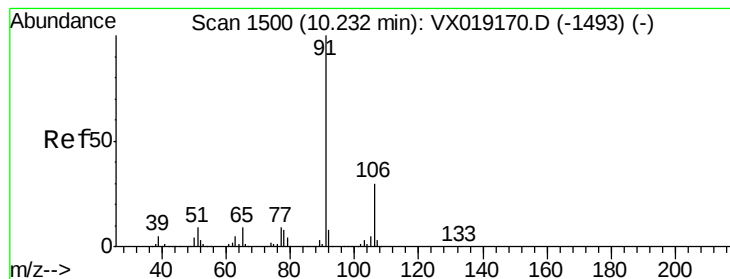
Tot Ion	Ratio	Lower	Upper
107	100		
109	95.6	62.9	116.9
188	3.3	3.0	4.4



#51
 Chlorobenzene
 Concen: 10.568 ug/L
 RT: 10.12 min Scan# 1482
 Delta R.T. -0.00 min
 Lab File: VX019171.D
 Acq: 28 Oct 2020 18:18

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.9	22.5	41.9
77	57.0	46.2	69.2





#52

Ethylbenzene

Concen: 10.503 ug/L

RT: 10.23 min Scan# 1500

Delta R.T. -0.00 min

Lab File: VX019171.D

Acq: 28 Oct 2020 18:18

Instrument :

MSVOA_X

ClientSampleId :

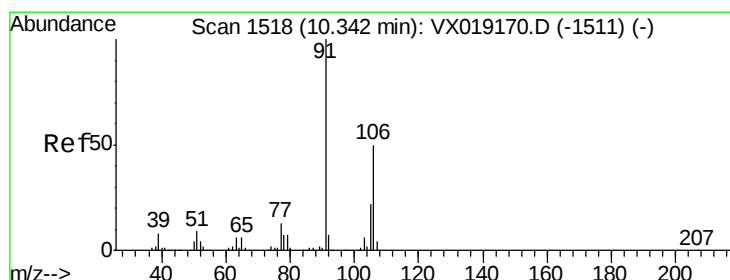
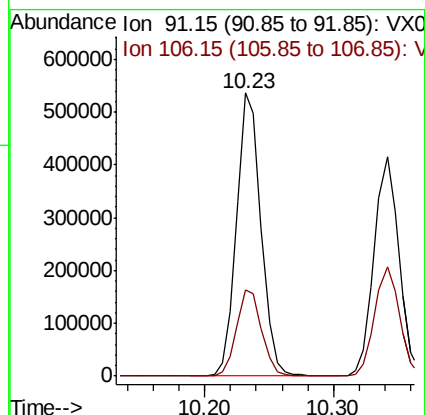
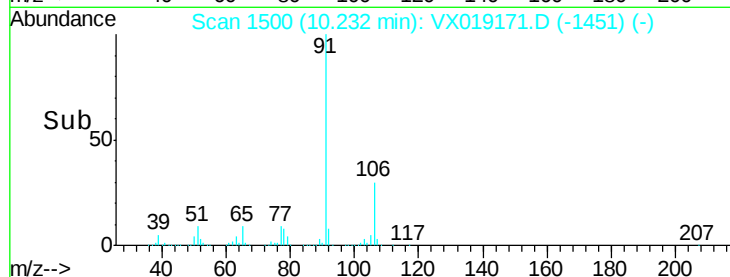
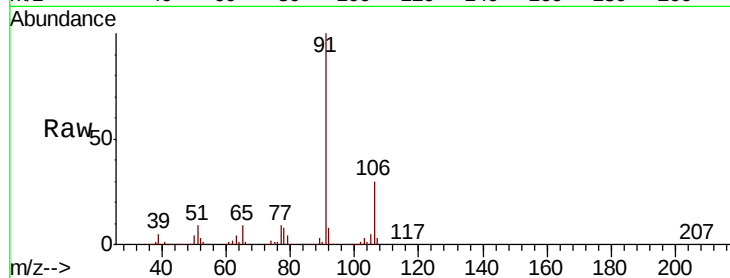
VSTD010304

Tot Ion: 91 Resp: 712062

Ion Ratio Lower Upper

91 100

106 30.4 21.1 39.1



#53

m,p-xylene

Concen: 10.614 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX019171.D

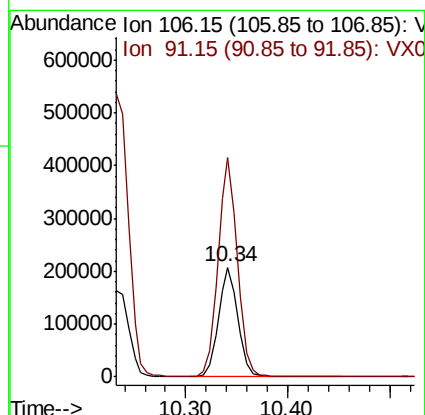
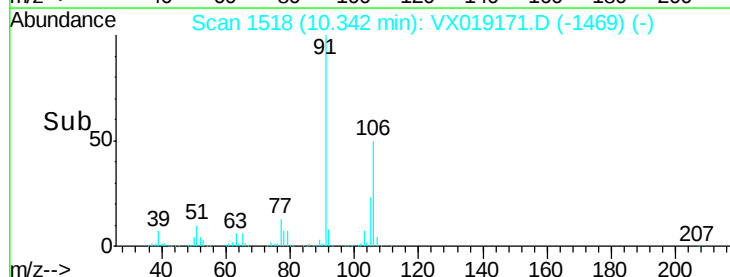
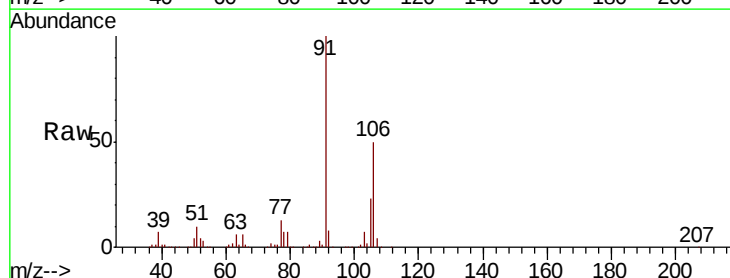
Acq: 28 Oct 2020 18:18

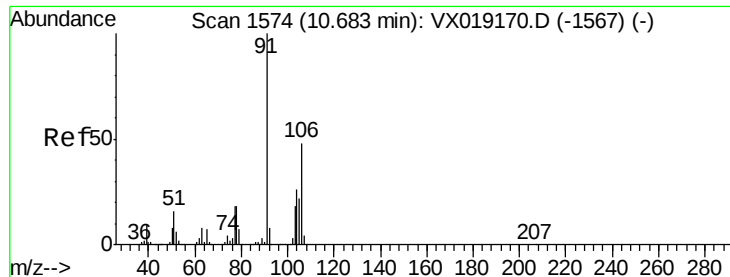
Tgt Ion: 106 Resp: 276815

Ion Ratio Lower Upper

106 100

91 200.5 141.5 262.7





#54

o-xylene

Concen: 10.487 ug/L

RT: 10.68 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VX019171.D

Acq: 28 Oct 2020 18:18

Instrument :

MSVOA_X

ClientSampleId :

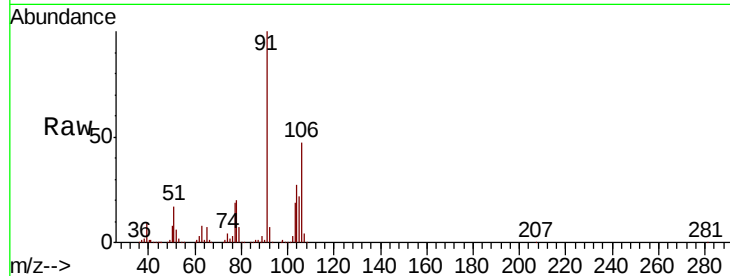
VSTD010304

Tot Ion:106 Resp: 262440

Ion Ratio Lower Upper

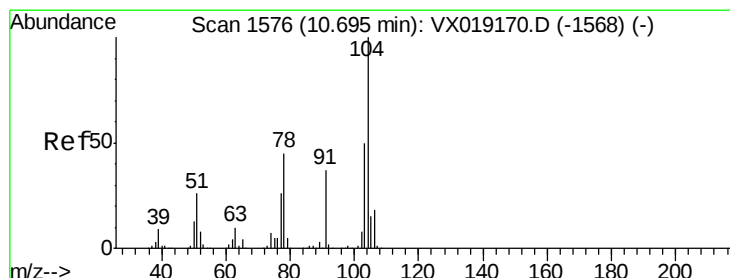
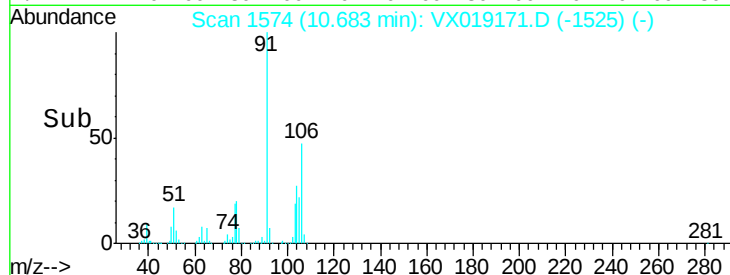
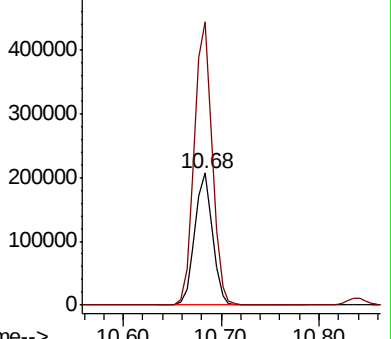
106 100

91 214.7 145.9 271.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0



#55

Styrene

Concen: 10.776 ug/L

RT: 10.70 min Scan# 1576

Delta R.T. -0.00 min

Lab File: VX019171.D

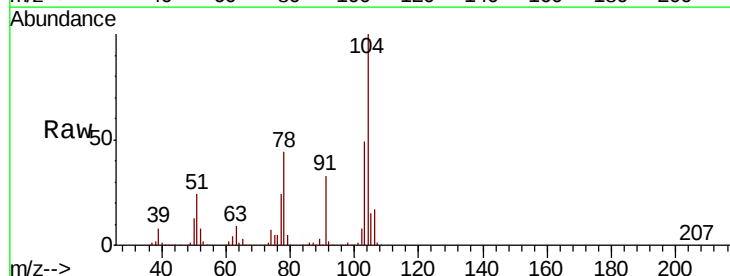
Acq: 28 Oct 2020 18:18

Tgt Ion:104 Resp: 444730

Ion Ratio Lower Upper

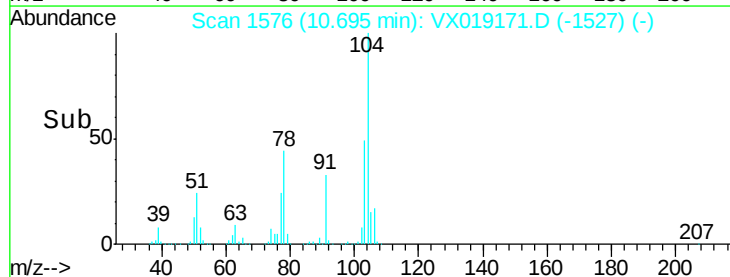
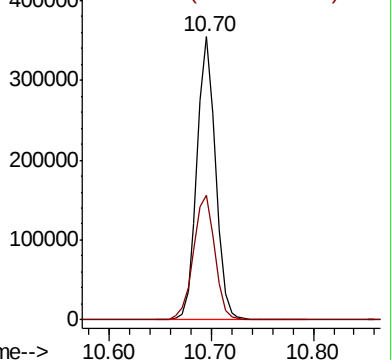
104 100

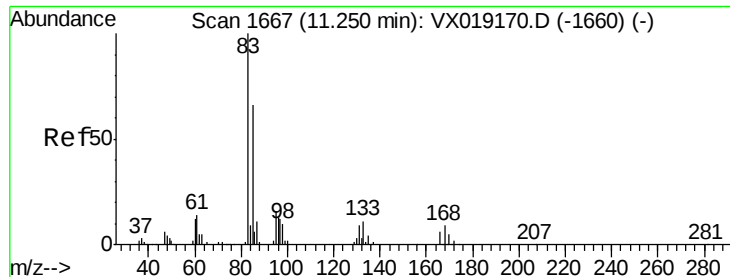
78 44.0 31.7 58.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VX0





#57

1,1,2,2-Tetrachloroethane

Concen: 10.483 ug/L

RT: 11.25 min Scan# 1667

Delta R.T. -0.00 min

Lab File: VX019171.D

Acq: 28 Oct 2020 18:18

Instrument :

MSVOA_X

ClientSampleId :

VSTD010304

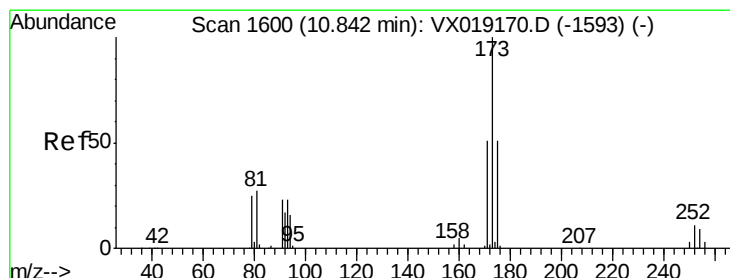
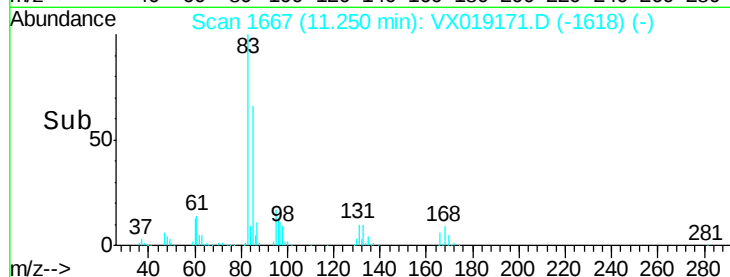
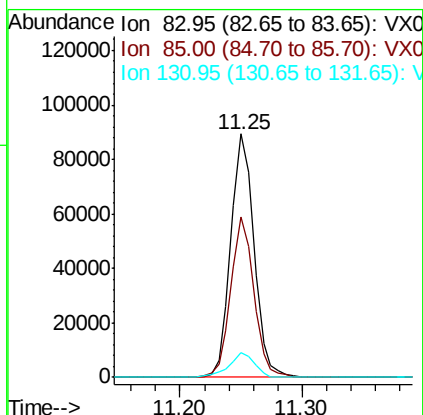
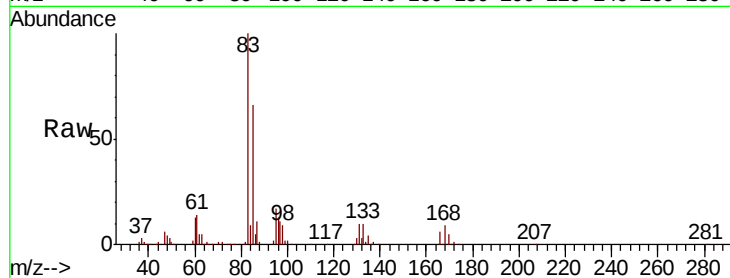
Tot Ion: 83 Resp: 116985

Ion Ratio Lower Upper

83 100

85 66.0 46.0 85.4

131 10.2 7.7 11.5



#59

Bromoform

Concen: 10.444 ug/L

RT: 10.84 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VX019171.D

Acq: 28 Oct 2020 18:18

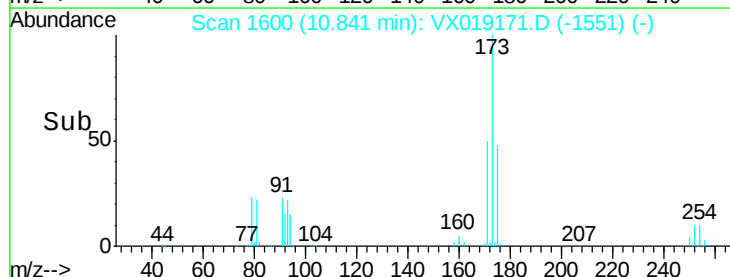
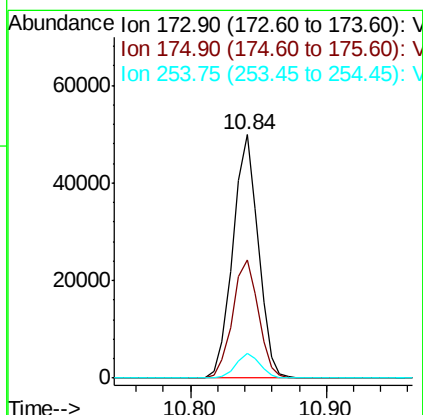
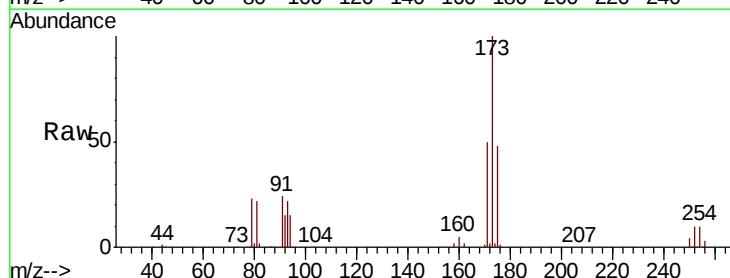
Tgt Ion: 173 Resp: 65020

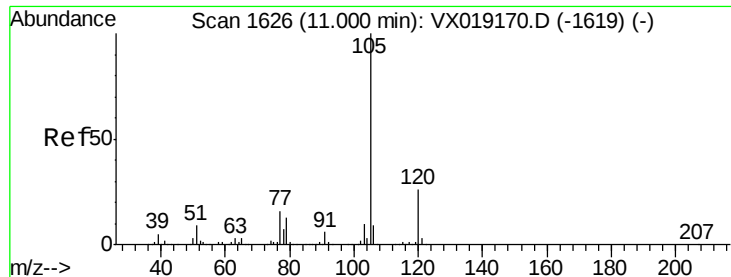
Ion Ratio Lower Upper

173 100

175 49.3 38.6 57.8

254 9.8 7.4 11.0





#60

Isopropylbenzene

Concen: 10.310 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX019171.D

Acq: 28 Oct 2020 18:18

Instrument :

MSVOA_X

ClientSampleId :

VSTD010304

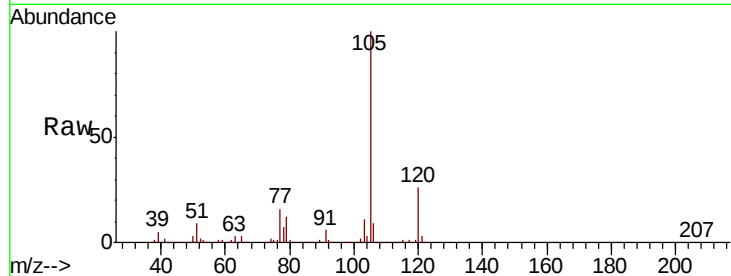
Tot Ion:105 Resp: 716262

Ion Ratio Lower Upper

105 100

120 26.4 21.4 32.2

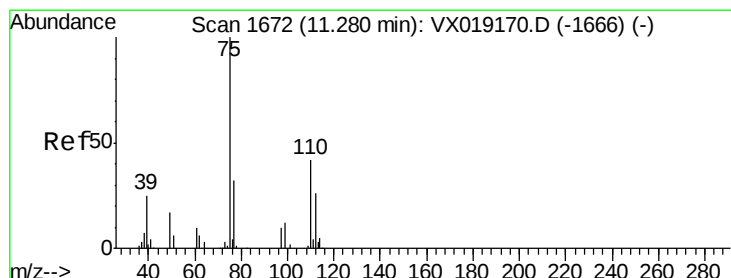
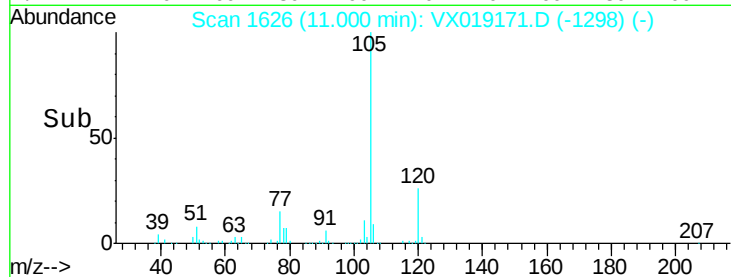
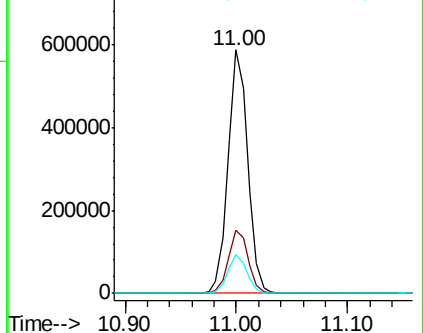
77 15.7 12.9 19.3



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: 9.850 ug/L

RT: 11.28 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VX019171.D

Acq: 28 Oct 2020 18:18

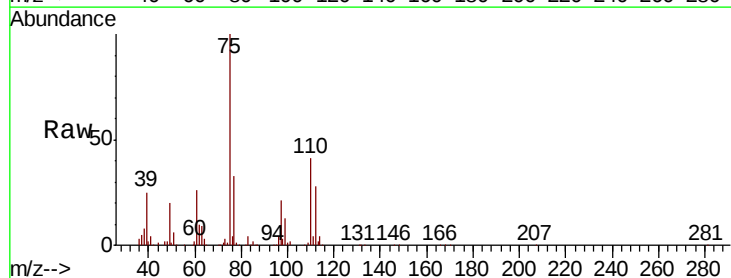
Tgt Ion: 75 Resp: 84863

Ion Ratio Lower Upper

75 100

77 33.0 25.6 38.4

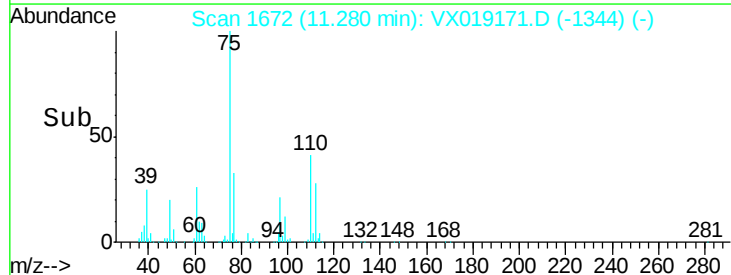
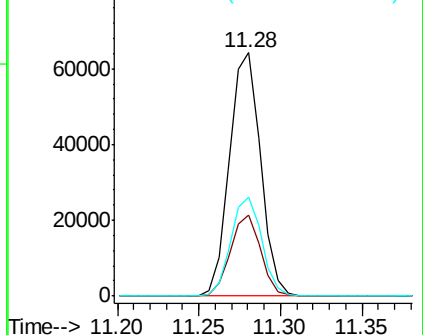
110 40.8 32.4 48.6

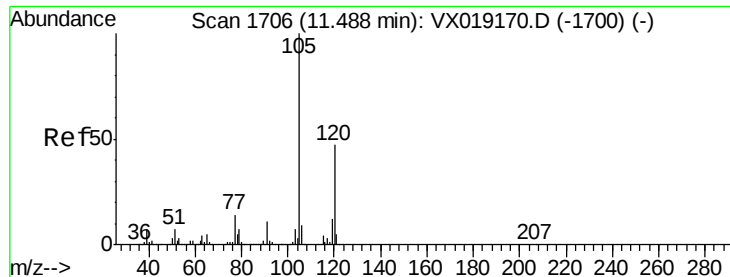


Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 110.00 (109.70 to 110.70): V





#62

1,3,5-Trimethylbenzene

Concen: 10.420 ug/L

RT: 11.49 min Scan# 1706

Delta R.T. -0.00 min

Lab File: VX019171.D

Acq: 28 Oct 2020 18:18

Instrument :

MSVOA_X

ClientSampleId :

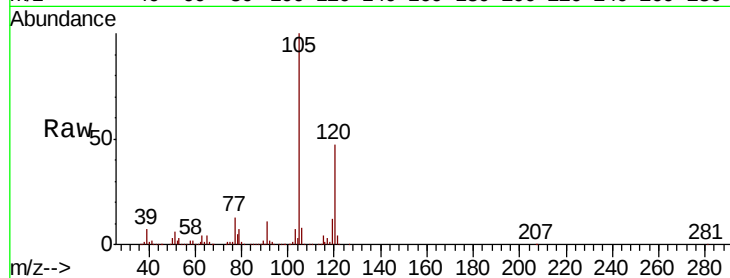
VSTD010304

Tot Ion:105 Resp: 613454

Ion Ratio Lower Upper

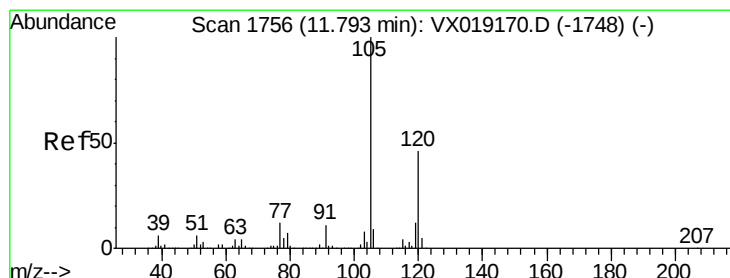
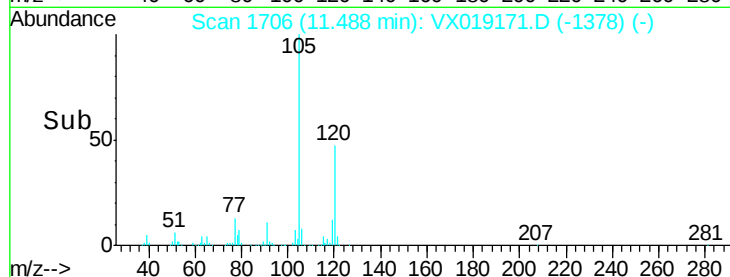
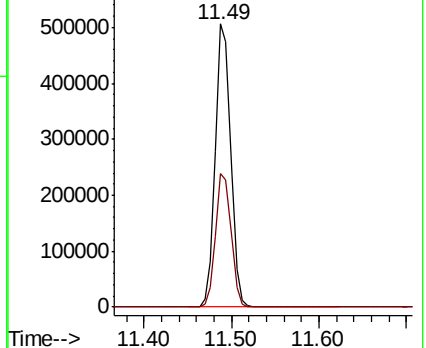
105 100

120 47.7 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: 10.378 ug/L

RT: 11.79 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VX019171.D

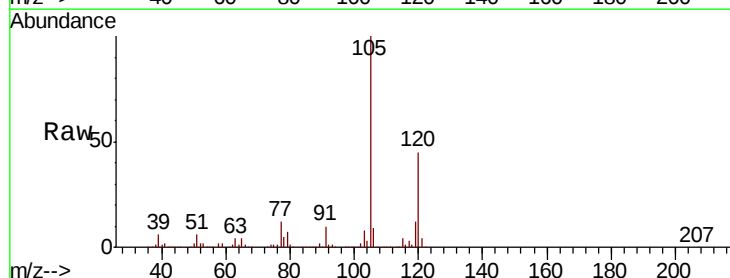
Acq: 28 Oct 2020 18:18

Tgt Ion:105 Resp: 619017

Ion Ratio Lower Upper

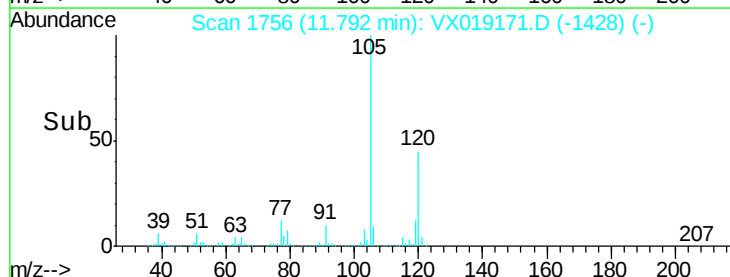
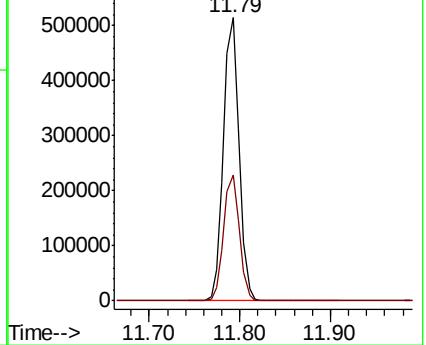
105 100

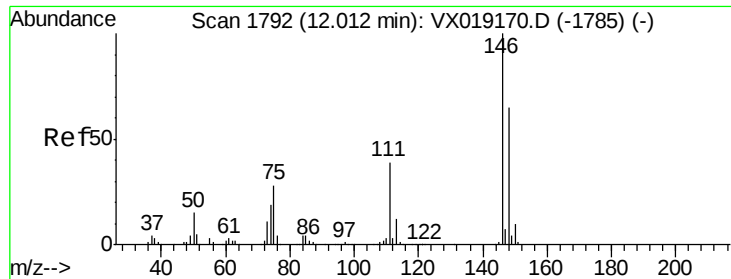
120 44.9 36.1 54.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#64

1,3-Dichlorobenzene

Concen: 10.109 ug/L

RT: 12.01 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX019171.D

Acq: 28 Oct 2020 18:18

Instrument :

MSVOA_X

ClientSampleId :

VSTD010304

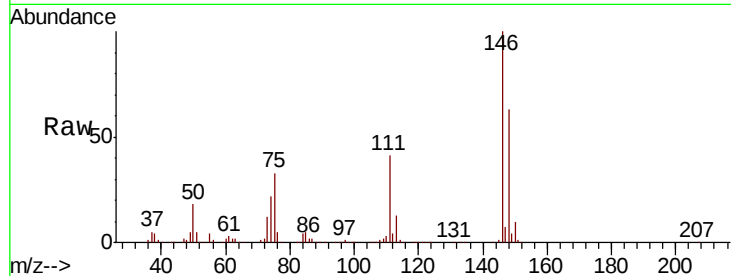
Tot Ion:146 Resp: 314773

Ion Ratio Lower Upper

146 100

111 40.9 27.3 50.7

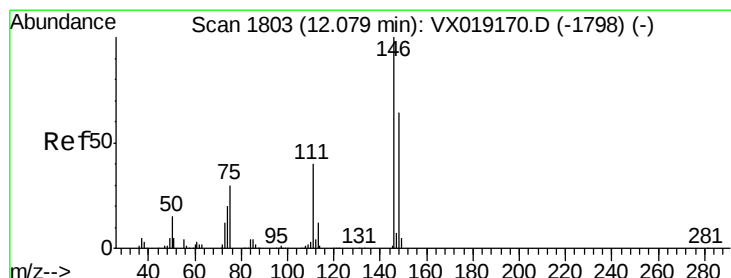
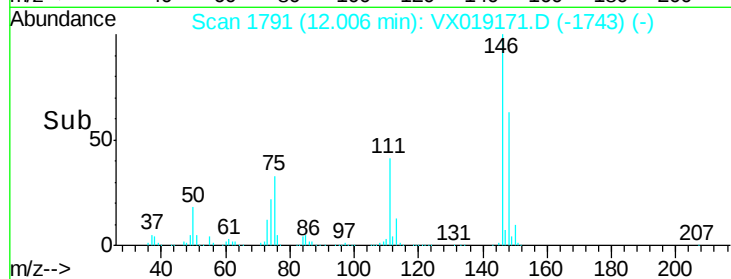
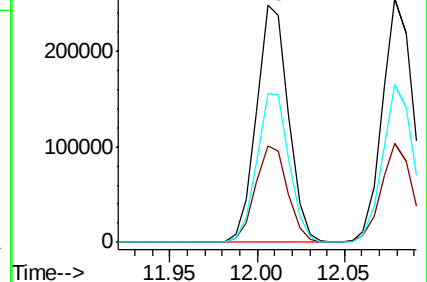
148 63.0 45.4 84.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,4-Dichlorobenzene

Concen: 10.293 ug/L

RT: 12.08 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VX019171.D

Acq: 28 Oct 2020 18:18

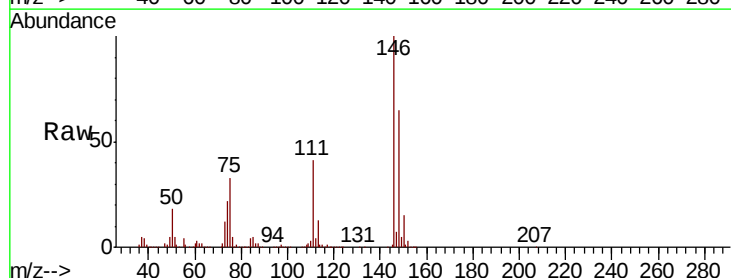
Tgt Ion:146 Resp: 312229

Ion Ratio Lower Upper

146 100

111 40.7 28.1 52.3

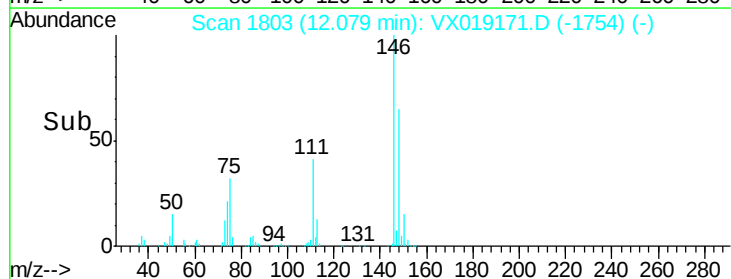
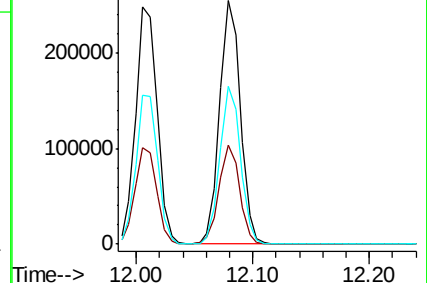
148 64.7 44.5 82.7

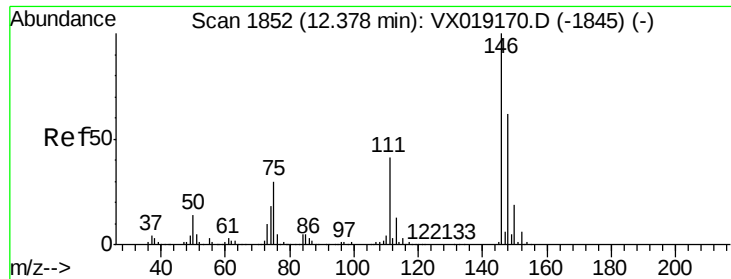


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

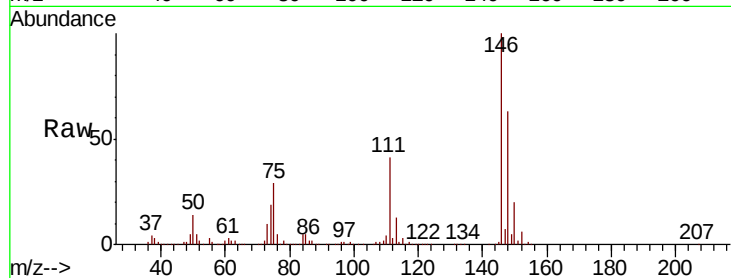




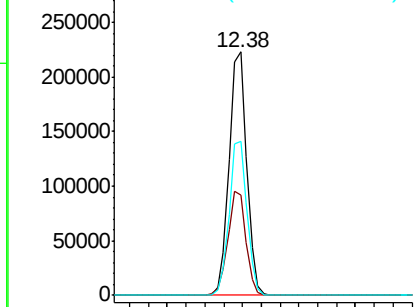
#67
 1,2-Dichlorobenzene
 Concen: 10.202 ug/L
 RT: 12.38 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VX019171.D
 Acq: 28 Oct 2020 18:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD010304

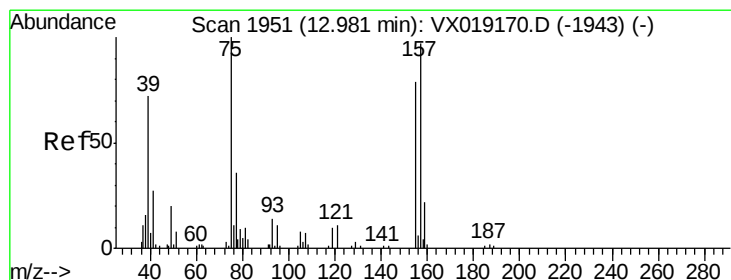
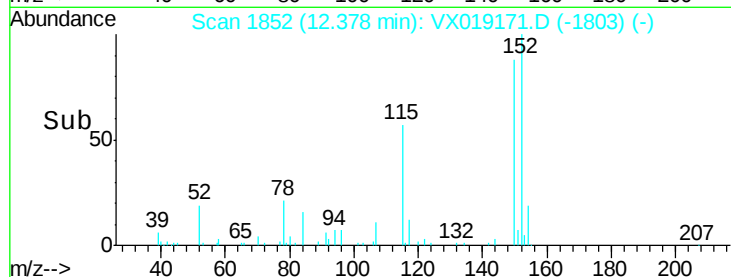
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	32.6	49.0
148	63.3	49.4	74.2



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

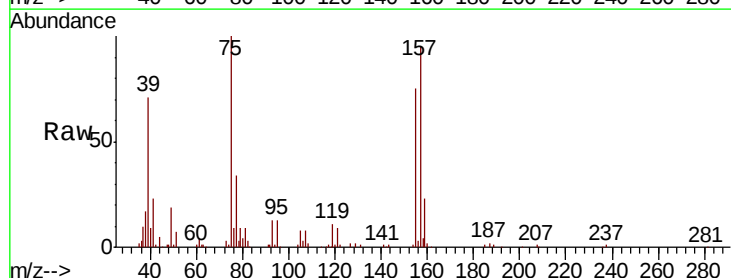


Time-->

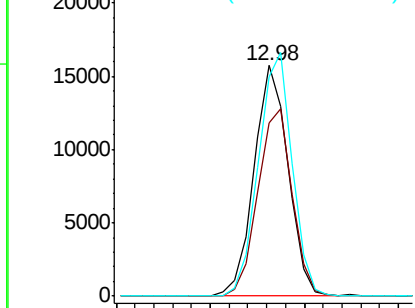


#68
 1,2-Dibromo-3-chloropropane
 Concen: 9.951 ug/L
 RT: 12.98 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VX019171.D
 Acq: 28 Oct 2020 18:18

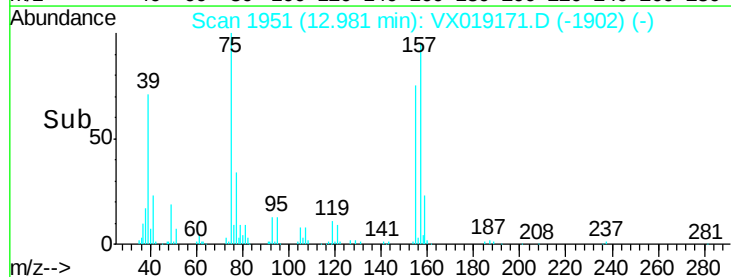
Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.5	62.9	94.3
157	94.9	77.5	116.3

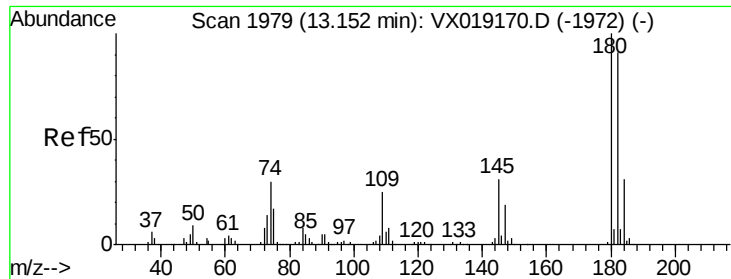


Abundance Ion 75.05 (74.75 to 75.75): VX0
 Ion 154.95 (154.65 to 155.65): V
 Ion 156.90 (156.60 to 157.60): V



Time-->

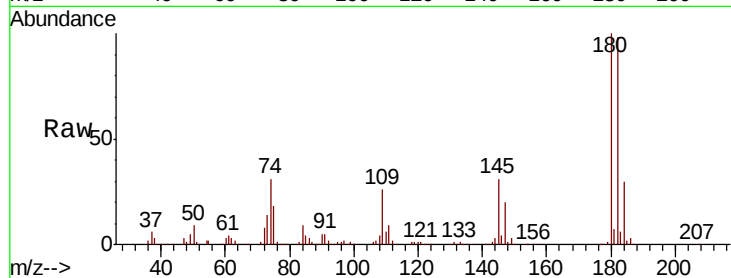




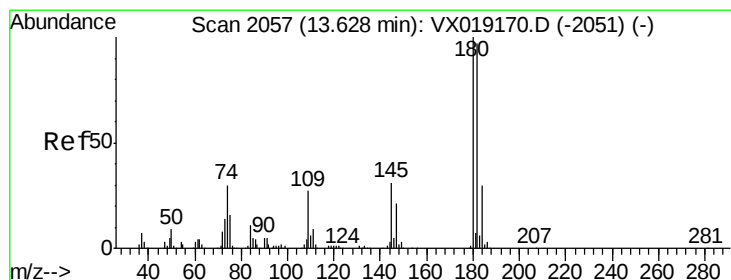
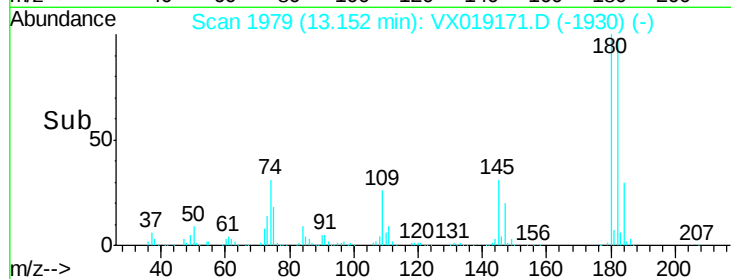
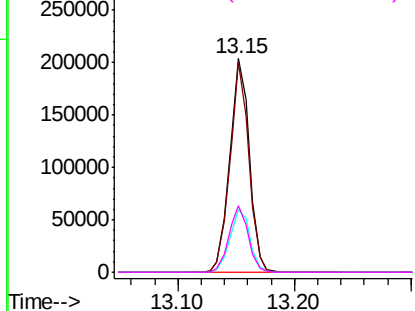
#69
 1,3,5-Trichlorobenzene
 Concen: 10.251 ug/L
 RT: 13.15 min Scan# 1979
 Delta R.T. -0.00 min
 Lab File: VX019171.D
 Acq: 28 Oct 2020 18:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD010304

Tot Ion:180	Resp:	238245
Ion	Ratio	Lower Upper
180	100	
182	95.2	74.1 111.1
184	30.2	24.4 36.6
145	30.7	24.9 37.3

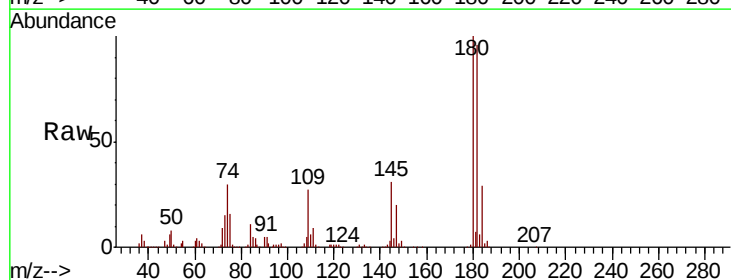


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

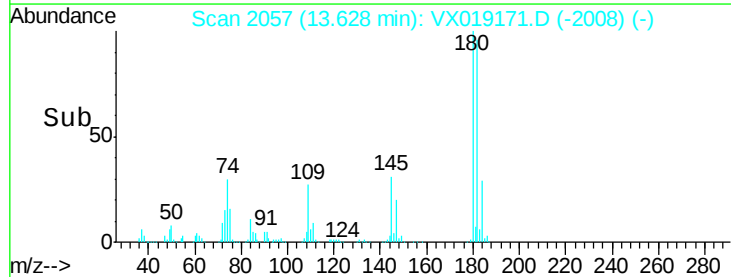
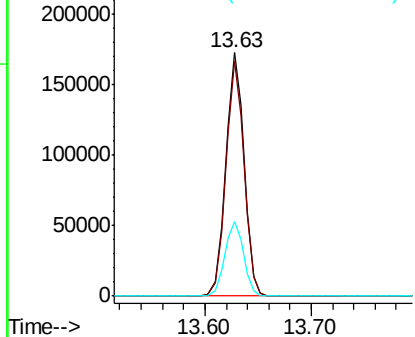


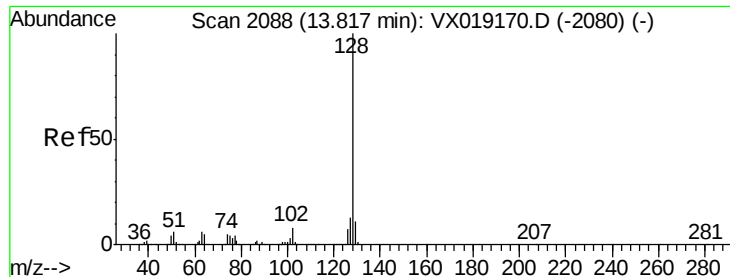
#70
 1,2,4-trichlorobenzene
 Concen: 10.502 ug/L
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX019171.D
 Acq: 28 Oct 2020 18:18

Tgt Ion:180	Resp:	207658
Ion	Ratio	Lower Upper
180	100	
182	95.6	77.8 116.6
145	31.3	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

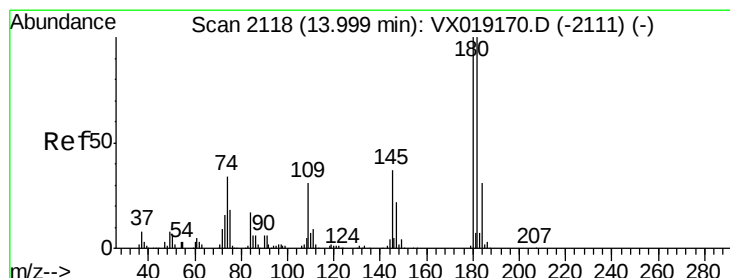
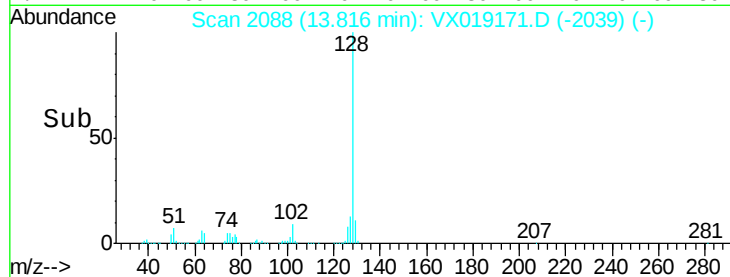
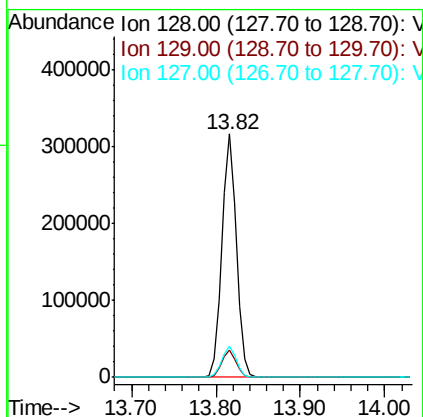
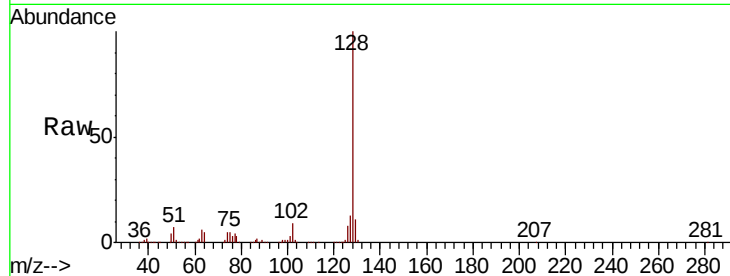




#71
Naphthalene
Concen: 10.303 ug/L
RT: 13.82 min Scan# 2088
Delta R.T. -0.00 min
Lab File: VX019171.D
Acq: 28 Oct 2020 18:18

Instrument :
MSVOA_X
ClientSampleId :
VSTD010304

Tot Ion:128 Resp: 379390
Ion Ratio Lower Upper
128 100
129 11.0 8.6 13.0
127 12.9 10.1 15.1



#72
1,2,3-Trichlorobenzene
Concen: 10.325 ug/L
RT: 14.00 min Scan# 2118
Delta R.T. -0.00 min
Lab File: VX019171.D
Acq: 28 Oct 2020 18:18

Tgt Ion:180 Resp: 181493
Ion Ratio Lower Upper
180 100
182 94.8 77.0 115.4
145 34.3 27.8 41.6

