

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX010521\
 Data File : VX020503.D
 Acq On : 05 Jan 2021 17:19
 Operator : JC/MD
 Sample : VSTD01065
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD010305

Quant Time: Jan 06 04:39:30 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SFAMXTR010521WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jan 06 04:37:23 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	164563	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	167017	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.06	152	86600	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	134506	12.16	ug/L	0.00
7) Chloroethane-d5	1.69	69	117056	12.52	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.34	63	274313	12.60	ug/L	0.00
20) 2-Butanone-d5	4.53	46	301376	125.42	ug/L	0.00
24) Chloroform-d	5.14	84	267384	12.71	ug/L	0.00
26) 1,2-Dichloroethane-d4	6.03	65	128266	11.01	ug/L	0.00
32) Benzene-d6	6.04	84	548334	11.56	ug/L	0.00
36) 1,2-Dichloropropane-d6	7.37	67	167353	12.41	ug/L	0.00
41) Toluene-d8	8.70	98	509128	11.11	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.99	79	60820	10.95	ug/L	0.00
46) 2-Hexanone-d5	9.43	63	293166	118.61	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	11.23	84	117865	11.60	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.36	152	174146	10.82	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.18	85	192412	13.348	ug/L 100
3) Chloromethane	1.31	50	161506	13.040	ug/L 99
5) Vinyl chloride	1.39	62	179486	12.937	ug/L 99
6) Bromomethane	1.64	94	98325	11.337	ug/L 99
8) Chloroethane	1.71	64	105134	12.544	ug/L 98
9) Trichlorofluoromethane	1.92	101	230102	11.718	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.36	101	139334	12.505	ug/L 99
12) 1,1-Dichloroethene	2.36	96	132007	12.175	ug/L 99
13) Acetone	2.43	43	172258	123.603	ug/L 100
14) Carbon disulfide	2.55	76	439394	12.813	ug/L 99
15) Methyl Acetate	2.75	43	47211	12.759	ug/L 100
16) Methylene chloride	2.83	84	144205	11.031	ug/L 99
17) Methyl tert-butyl Ether	3.17	73	306402	12.004	ug/L 100
18) trans-1,2-Dichloroethene	3.14	96	145103	12.609	ug/L 99
19) 1,1-Dichloroethane	3.67	63	256208	12.906	ug/L 98
21) 2-Butanone	4.64	43	303060	125.474	ug/L 100
22) cis-1,2-Dichloroethene	4.56	96	154068	12.552	ug/L 99
23) Bromochloromethane	4.98	128	65738	12.809	ug/L 96
25) Chloroform	5.17	83	267116	12.864	ug/L 98
27) 1,2-Dichloroethane	6.16	62	154991	12.137	ug/L 98
29) 1,1,1-Trichloroethane	5.46	97	234098	11.226	ug/L 99
30) Cyclohexane	5.54	56	235141	11.406	ug/L 100
31) Carbon tetrachloride	5.75	117	200348	11.205	ug/L 99
33) Benzene	6.11	78	602926	11.699	ug/L 100
34) Trichloroethene	7.18	95	157624	11.445	ug/L 98
35) Methylcyclohexane	7.44	83	260705	11.769	ug/L 97
37) 1,2-Dichloropropane	7.49	63	150313	12.350	ug/L 99
38) Bromodichloromethane	7.87	83	182301	11.673	ug/L 98
39) cis-1,3-Dichloropropene	8.42	75	210672	11.628	ug/L 98
40) 4-Methyl-2-pentanone	8.62	43	772508	120.711	ug/L 99

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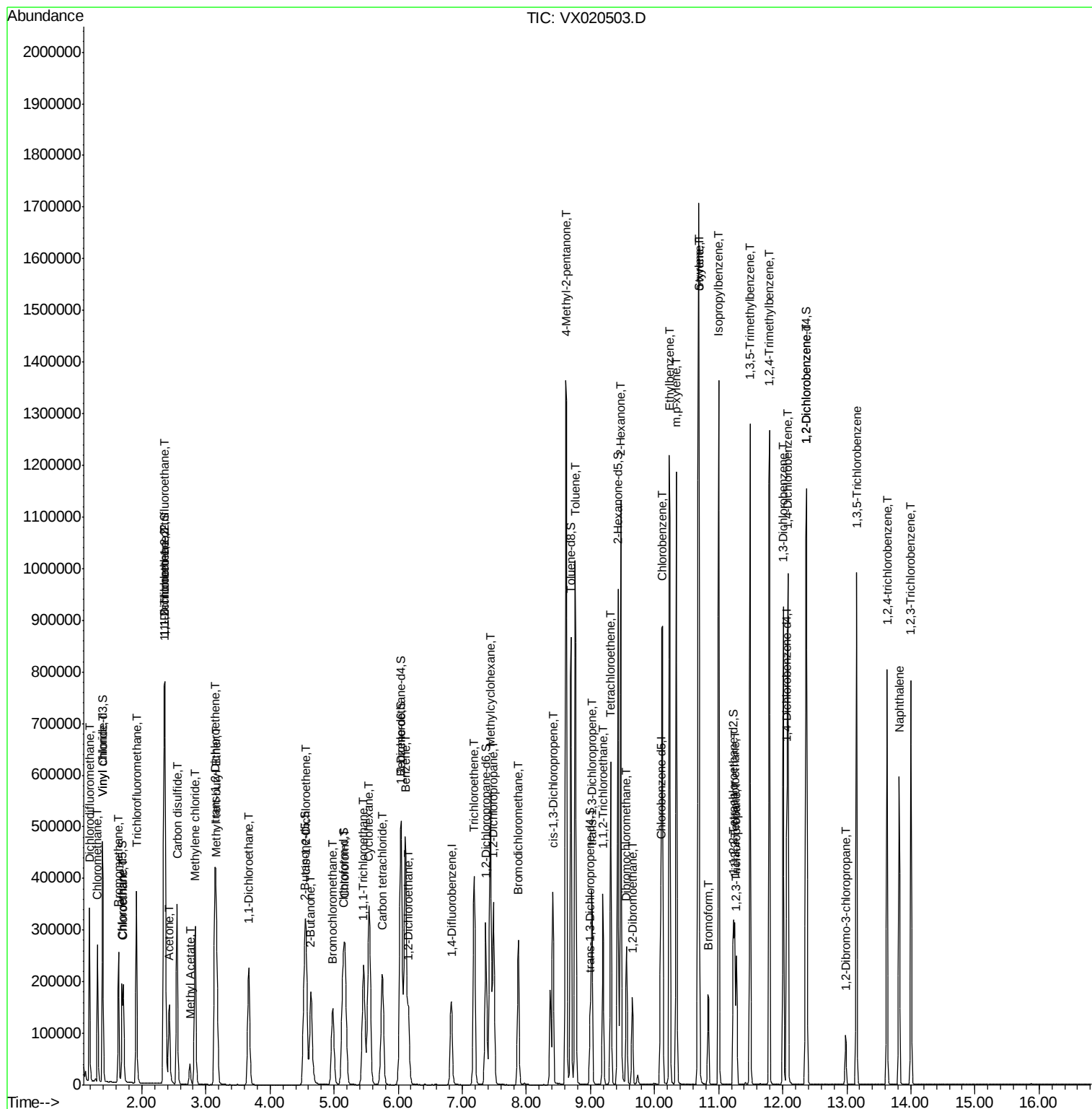
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.76	91	655596	11.881	ug/L	96
44) trans-1,3-Dichloropropene	9.02	75	180854	11.864	ug/L	100
45) 1,1,2-Trichloroethane	9.20	97	101366	11.536	ug/L	99
47) Tetrachloroethene	9.32	164	125732	11.696	ug/L	97
48) 2-Hexanone	9.47	43	540787	119.808	ug/L	99
49) Dibromochloromethane	9.56	129	116519	11.480	ug/L	97
50) 1,2-Dibromoethane	9.65	107	93954	11.517	ug/L	97
51) Chlorobenzene	10.12	112	400239	11.569	ug/L	99
52) Ethylbenzene	10.23	91	706117	11.654	ug/L	100
53) m,p-xylene	10.34	106	272006	11.680	ug/L	95
54) o-xylene	10.68	106	259403	11.693	ug/L	100
55) Styrene	10.70	104	442435	12.063	ug/L	99
57) 1,1,2,2-Tetrachloroethane	11.25	83	117148	11.744	ug/L	97
59) Bromoform	10.84	173	64633	11.378	ug/L	99
60) Isopropylbenzene	11.00	105	685861	10.917	ug/L	100
61) 1,2,3-Trichloropropane	11.27	75	85765	11.054	ug/L	99
62) 1,3,5-Trimethylbenzene	11.49	105	571202	10.962	ug/L	99
63) 1,2,4-Trimethylbenzene	11.79	105	560112	10.589	ug/L	100
64) 1,3-Dichlorobenzene	12.01	146	309232	10.954	ug/L	96
65) 1,4-Dichlorobenzene	12.08	146	306015	10.770	ug/L	98
67) 1,2-Dichlorobenzene	12.37	146	285605	10.993	ug/L	97
68) 1,2-Dibromo-3-chloropropan	12.98	75	18162	10.413	ug/L	91
69) 1,3,5-Trichlorobenzene	13.15	180	246117	11.892	ug/L	99
70) 1,2,4-trichlorobenzene	13.63	180	196282	10.946	ug/L	96
71) Naphthalene	13.82	128	356805	11.362	ug/L	99
72) 1,2,3-Trichlorobenzene	14.00	180	189292	11.862	ug/L	96

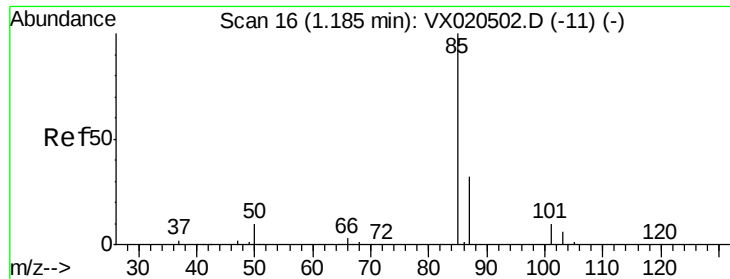
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 13.348 ug/L

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX020503.D

Acq: 05 Jan 2021 17:19

Instrument :

MSVOA_X

ClientSampleId :

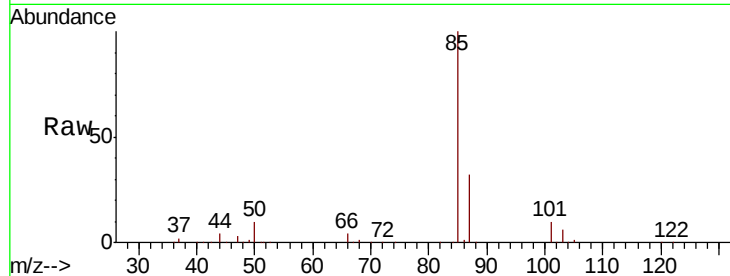
VSTD010305

Tot Ion: 85 Resp: 192412

Ion Ratio Lower Upper

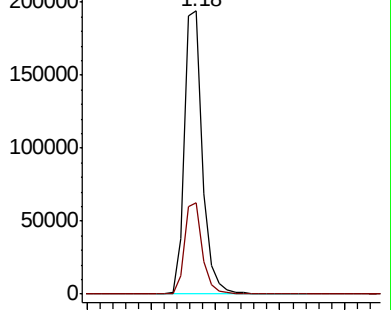
85 100

87 32.2 25.8 38.8

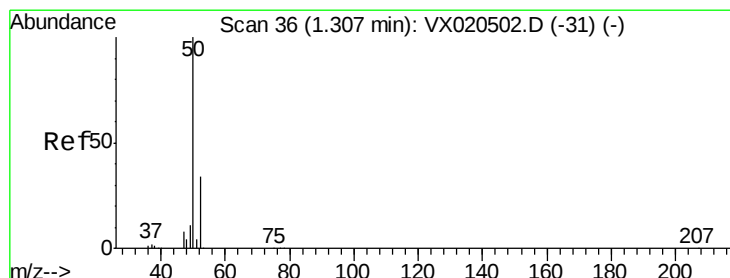
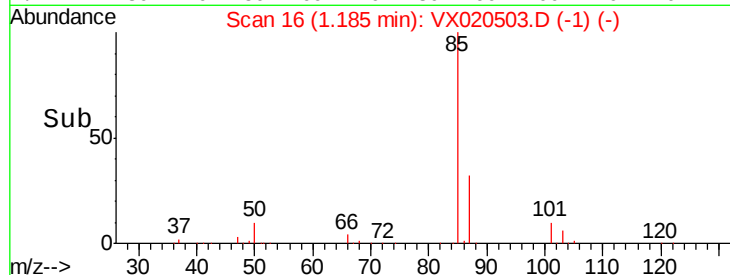


Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



Time-->



#3

Chloromethane

Concen: 13.040 ug/L

RT: 1.31 min Scan# 36

Delta R.T. 0.00 min

Lab File: VX020503.D

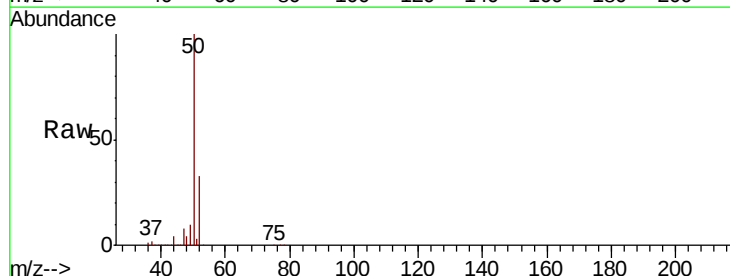
Acq: 05 Jan 2021 17:19

Tgt Ion: 50 Resp: 161506

Ion Ratio Lower Upper

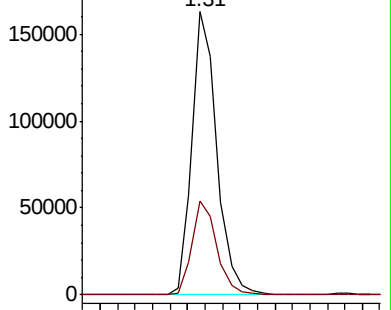
50 100

52 33.2 23.5 43.7

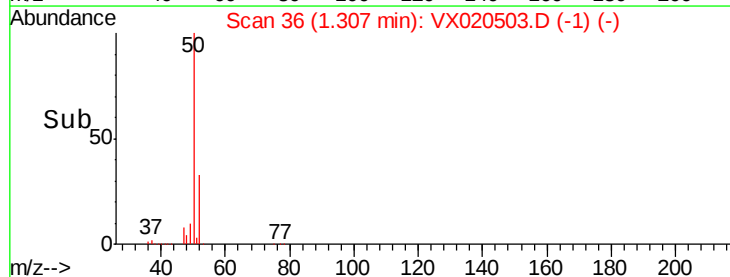


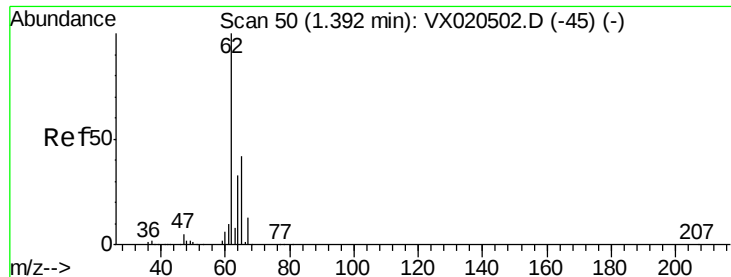
Abundance Ion 50.05 (49.75 to 50.75): VX0

Ion 52.05 (51.75 to 52.75): VX0



Time-->





#5

Vinyl chloride

Concen: 12.937 ug/L

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX020503.D

Acq: 05 Jan 2021 17:19

Instrument :

MSVOA_X

ClientSampleId :

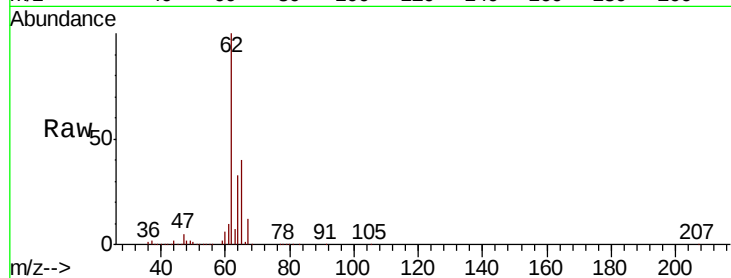
VSTD010305

Tot Ion: 62 Resp: 179486

Ion Ratio Lower Upper

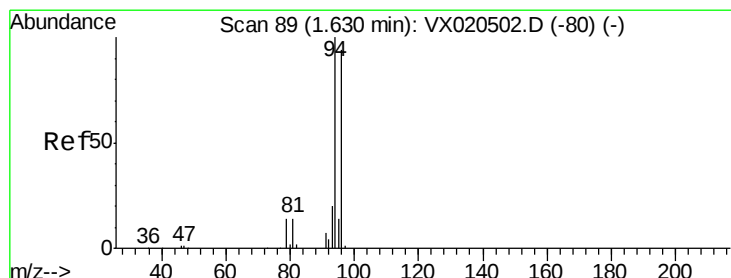
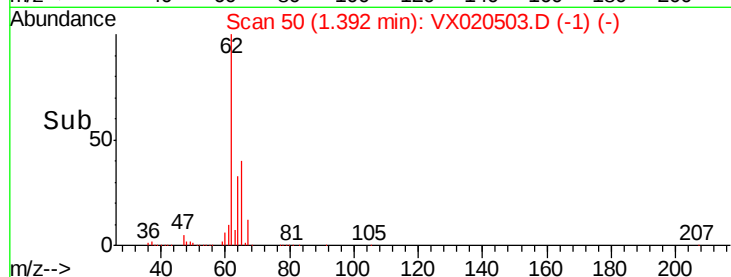
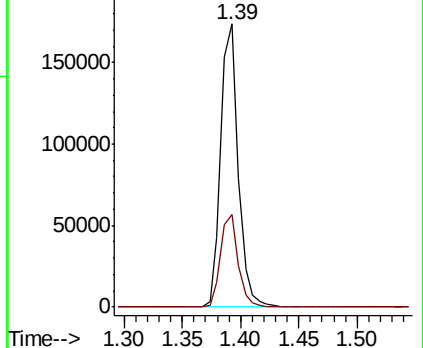
62 100

64 32.7 23.2 43.2



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.10 (63.80 to 64.80): VX0



#6

Bromomethane

Concen: 11.337 ug/L

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX020503.D

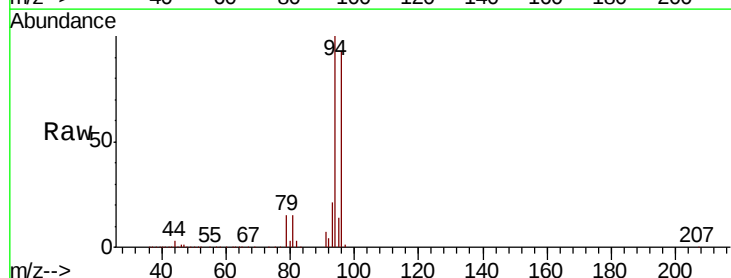
Acq: 05 Jan 2021 17:19

Tgt Ion: 94 Resp: 98325

Ion Ratio Lower Upper

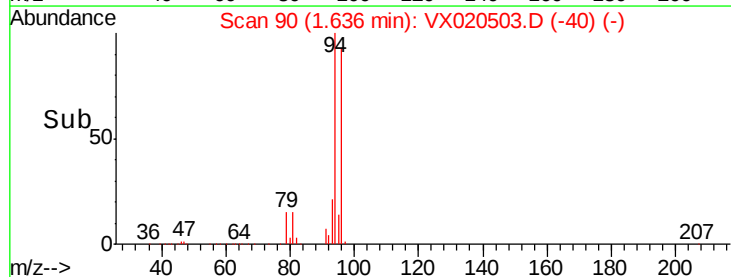
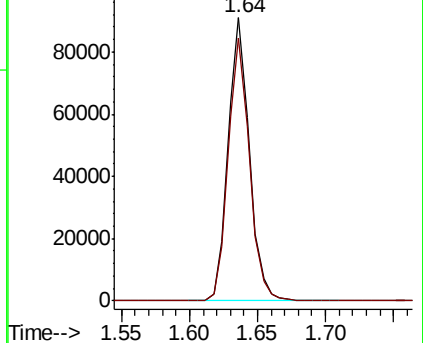
94 100

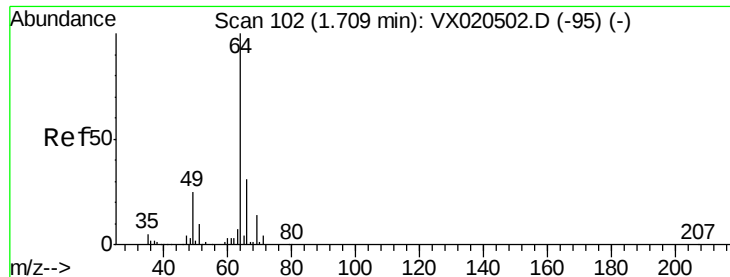
96 92.8 65.7 121.9



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0

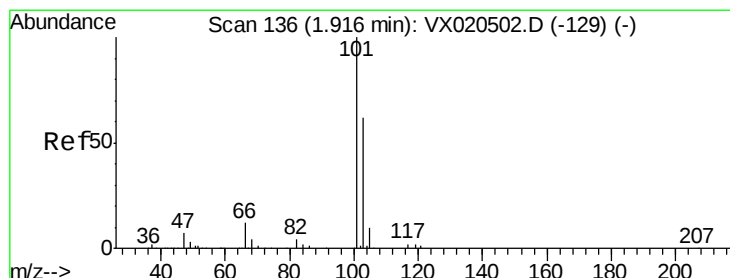
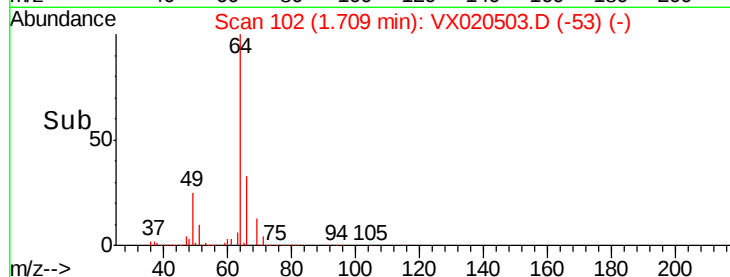
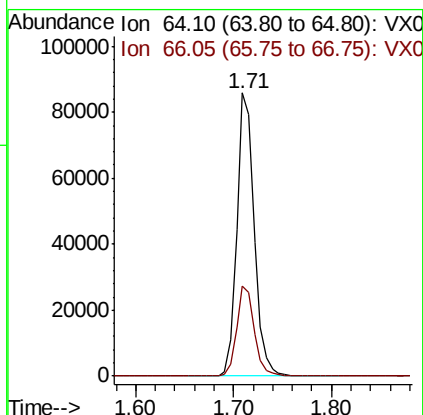
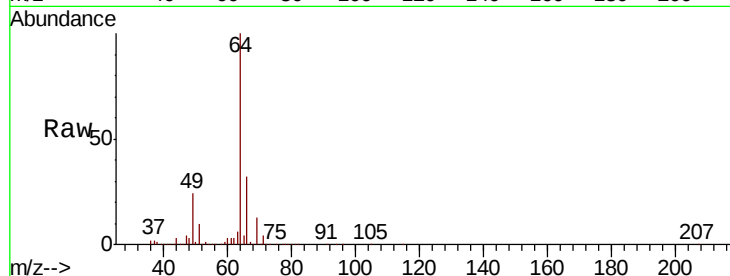




#8
Chloroethane
Concen: 12.544 ug/L
RT: 1.71 min Scan# 102
Delta R.T. 0.00 min
Lab File: VX020503.D
Acq: 05 Jan 2021 17:19

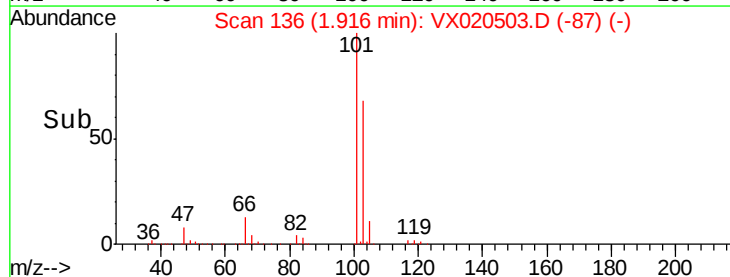
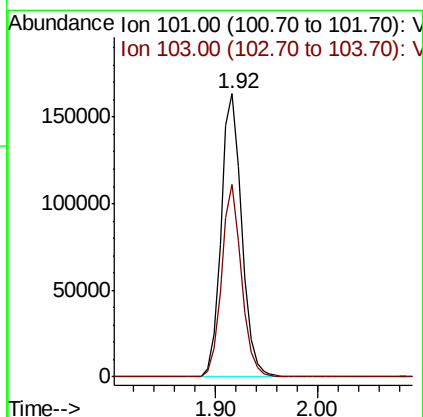
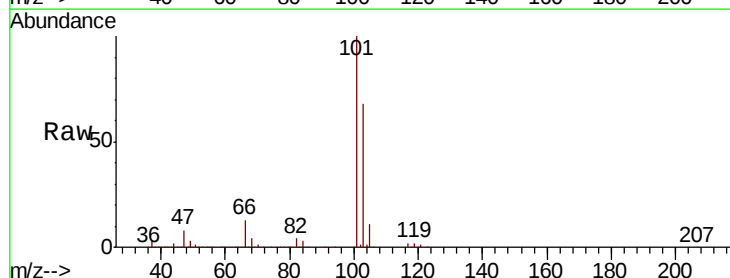
Instrument :
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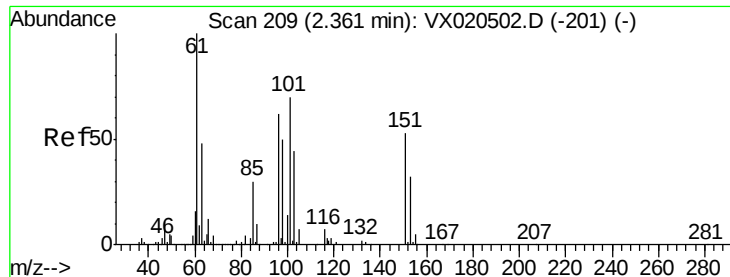
Tot Ion: 64 Resp: 105134
Ion Ratio Lower Upper
64 100
66 31.8 21.4 39.8



#9
Trichlorofluoromethane
Concen: 11.718 ug/L
RT: 1.92 min Scan# 136
Delta R.T. 0.00 min
Lab File: VX020503.D
Acq: 05 Jan 2021 17:19

Tgt Ion: 101 Resp: 230102
Ion Ratio Lower Upper
101 100
103 65.5 51.0 76.6





#10

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

Concen: 12.505 ug/L

RT: 2.36 min Scan# 209

Delta R.T. 0.00 min

Lab File: VX020503.D

Acq: 05 Jan 2021 17:19

Instrument :

MSVOA_X

ClientSampleId :

VSTD010305

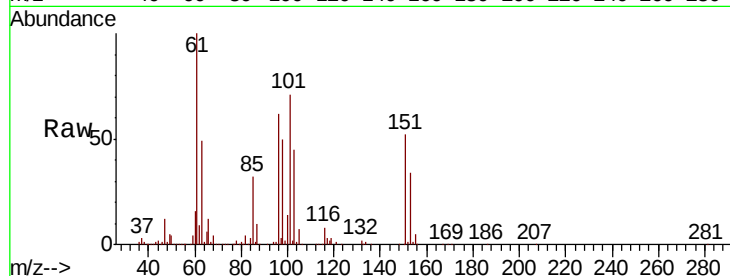
Tot Ion:101 Resp: 139334

Ion Ratio Lower Upper

101 100

85 43.4 34.9 52.3

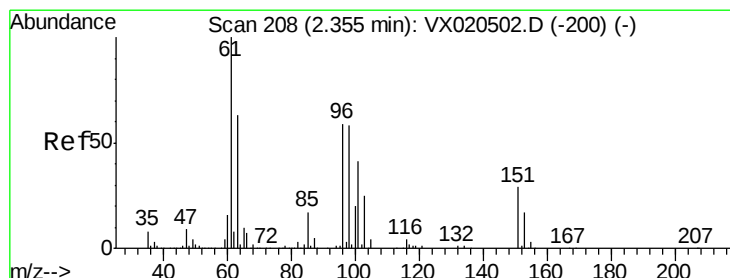
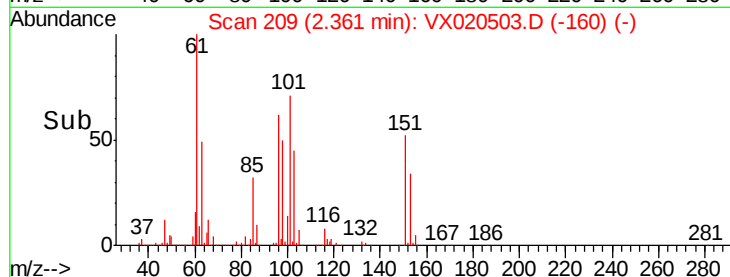
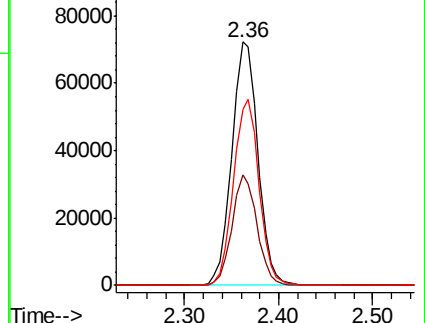
151 74.7 61.0 91.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VX0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 12.175 ug/L

RT: 2.36 min Scan# 208

Delta R.T. 0.00 min

Lab File: VX020503.D

Acq: 05 Jan 2021 17:19

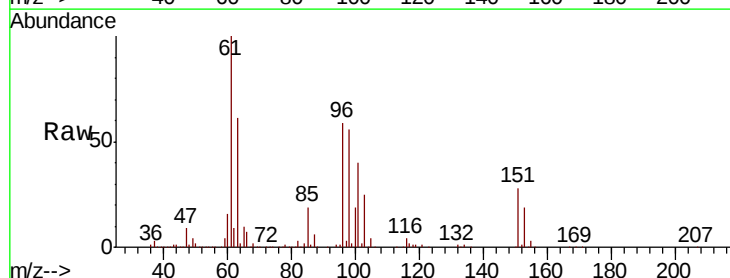
Tgt Ion: 96 Resp: 132007

Ion Ratio Lower Upper

96 100

61 168.8 118.2 219.6

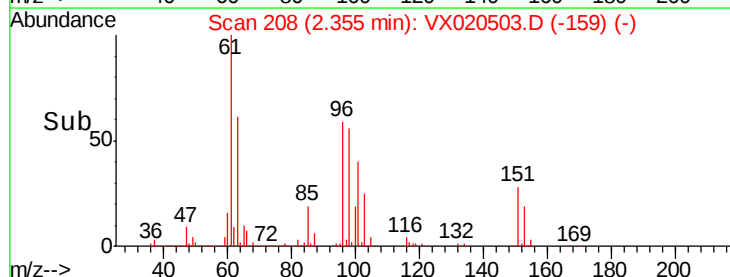
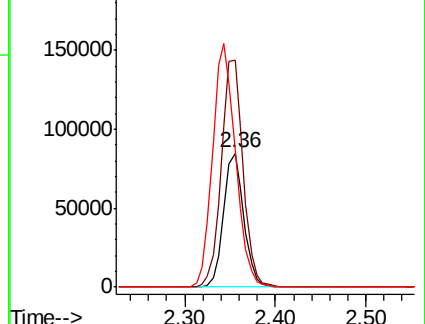
63 102.2 74.2 137.8

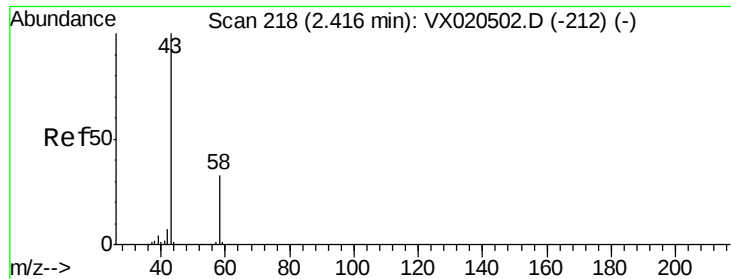


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.05 (60.75 to 61.75): VX0

Ion 63.00 (62.70 to 63.70): VX0





#13

Acetone

Concen: 123.603 ug/L

RT: 2.43 min Scan# 220

Delta R.T. 0.01 min

Lab File: VX020503.D

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ClientSampleId :

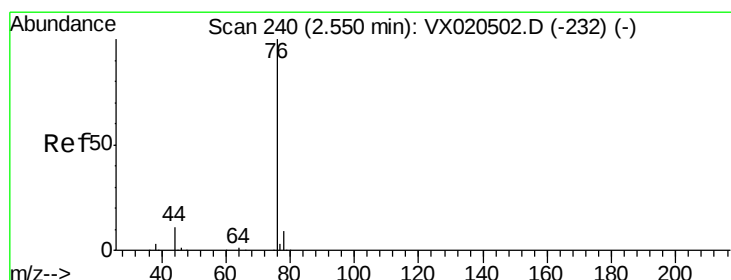
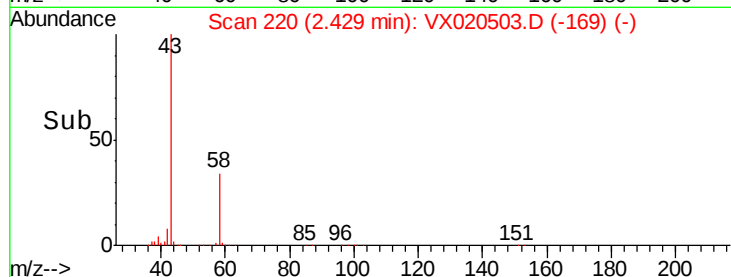
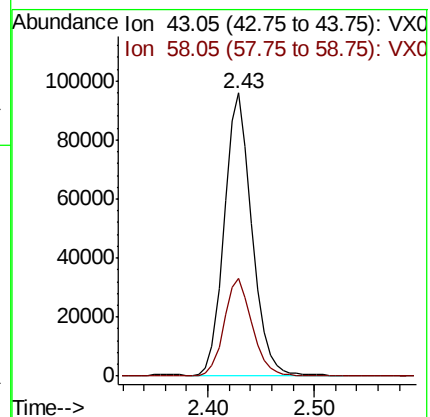
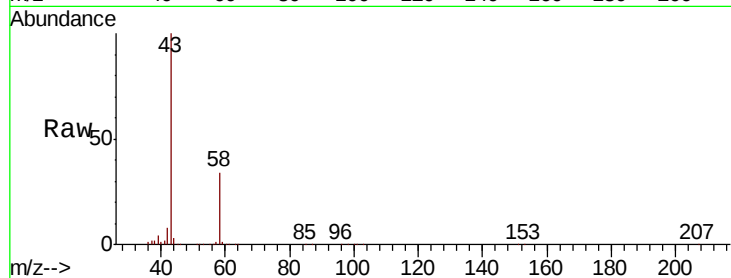
VSTD010305

Tot Ion: 43 Resp: 172258

Ion Ratio Lower Upper

43 100

58 34.9 0.0 70.4



#14

Carbon disulfide

Concen: 12.813 ug/L

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX020503.D

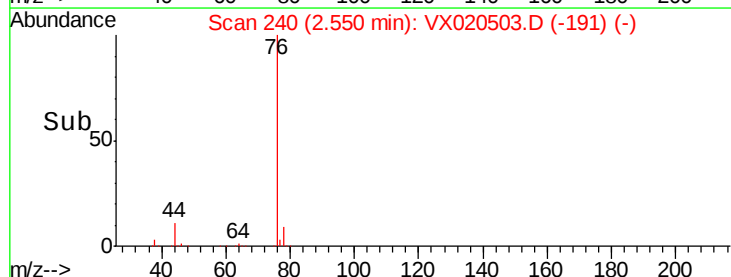
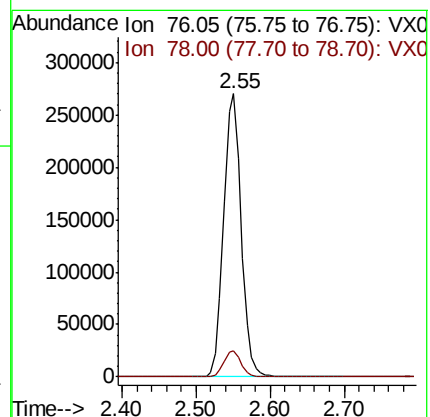
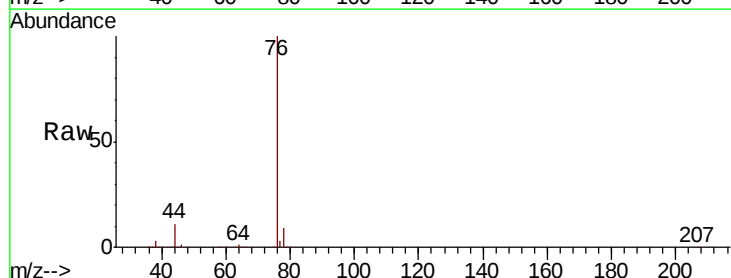
Acq: 05 Jan 2021 17:19

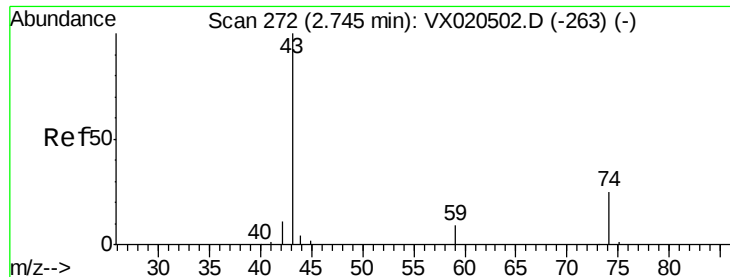
Tgt Ion: 76 Resp: 439394

Ion Ratio Lower Upper

76 100

78 9.3 7.0 10.6





#15

Methyl Acetate

Concen: 12.759 ug/L

RT: 2.75 min Scan# 273

Delta R.T. 0.01 min

Lab File: VX020503.D

Acq: 05 Jan 2021 17:19

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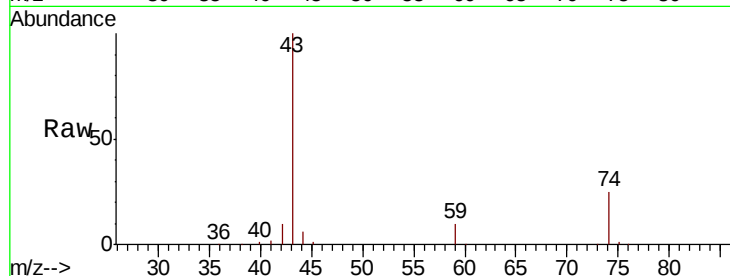
VSTD010305

Tot Ion: 43 Resp: 47211

Ion Ratio Lower Upper

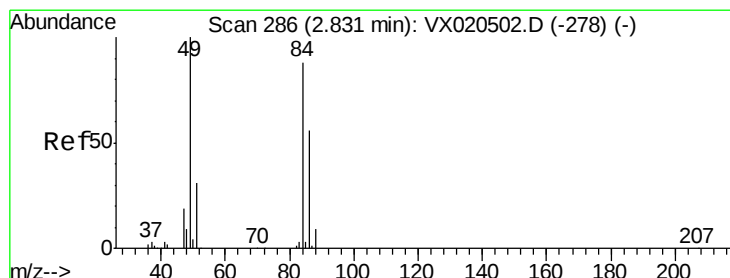
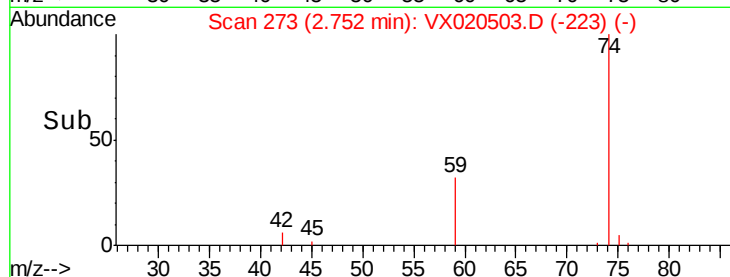
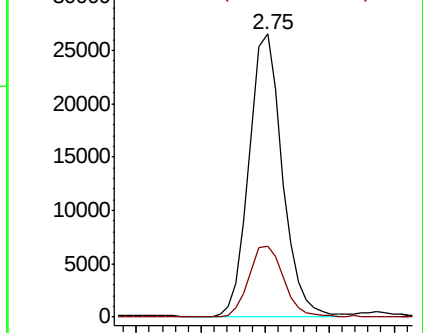
43 100

74 26.6 21.1 31.7



Abundance Ion 43.05 (42.75 to 43.75): VX0

Ion 74.05 (73.75 to 74.75): VX0



#16

Methylene chloride

Concen: 11.031 ug/L

RT: 2.83 min Scan# 286

Delta R.T. 0.00 min

Lab File: VX020503.D

Acq: 05 Jan 2021 17:19

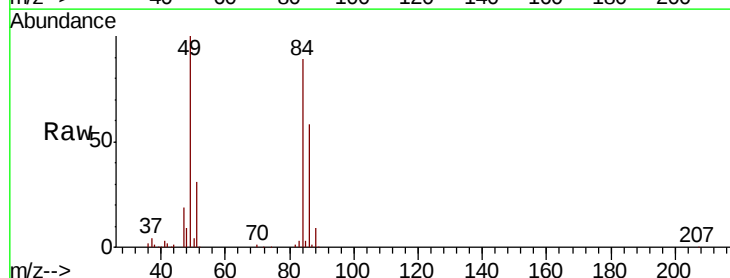
Tgt Ion: 84 Resp: 144205

Ion Ratio Lower Upper

84 100

86 64.8 44.6 82.8

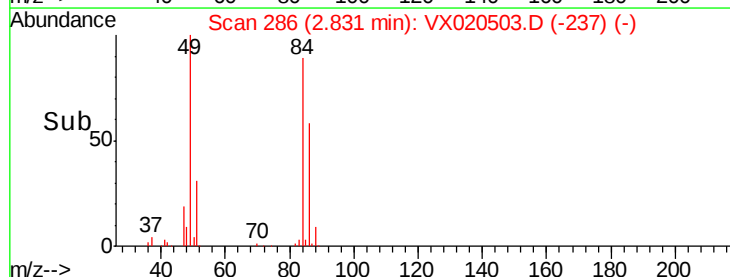
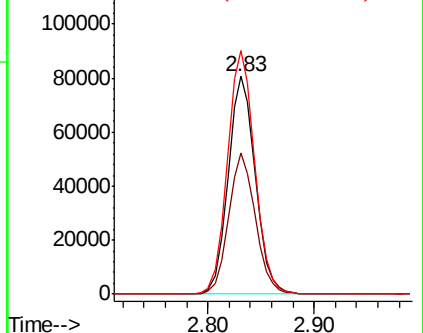
49 111.8 79.5 147.6

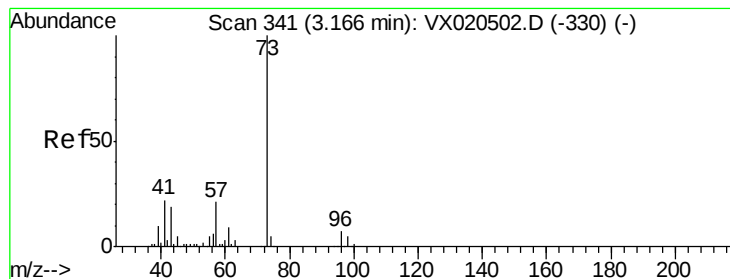


Abundance Ion 84.05 (83.75 to 84.75): VX0

Ion 86.00 (85.70 to 86.70): VX0

Ion 49.10 (48.80 to 49.80): VX0



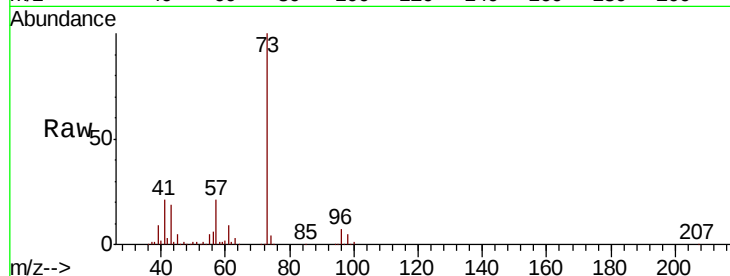


#17

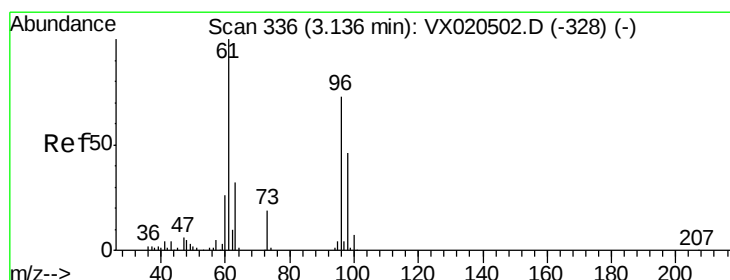
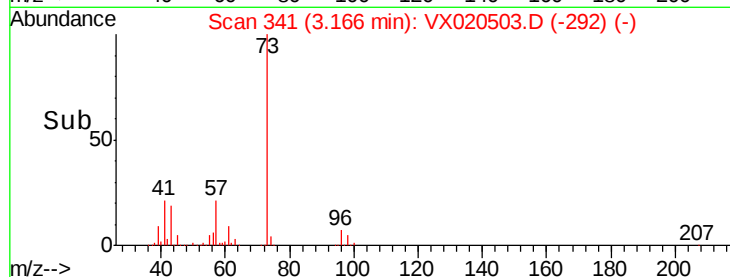
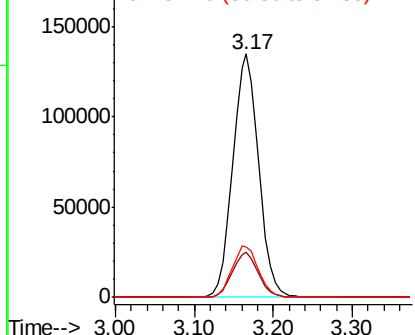
Methyl tert-butyl Ether
 Concen: 12.004 ug/L
 RT: 3.17 min Scan# 341
 Delta R.T. 0.00 min
 Lab File: VX020503.D
 Acq: 05 Jan 2021 17:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD010305

Tot Ion	Ratio	Lower	Upper
73	100		
43	18.8	15.1	22.7
57	21.7	17.4	26.2



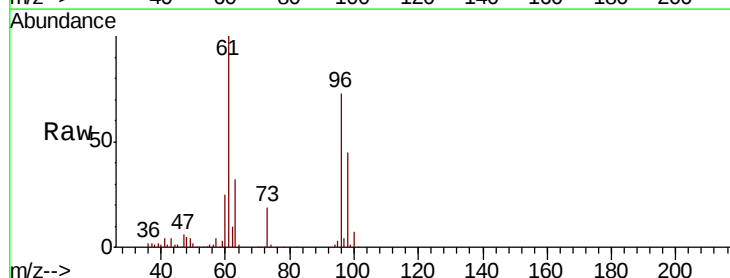
Abundance Ion 73.10 (72.80 to 73.80): VX0
 Ion 43.05 (42.75 to 43.75): VX0
 Ion 57.10 (56.80 to 57.80): VX0



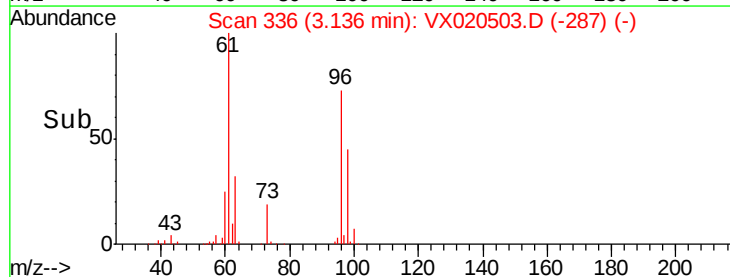
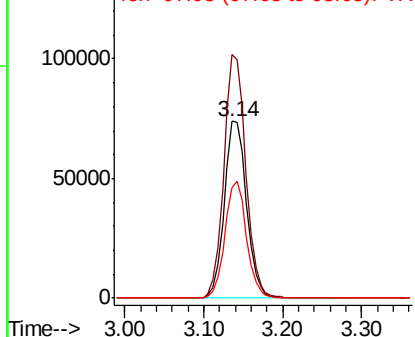
#18

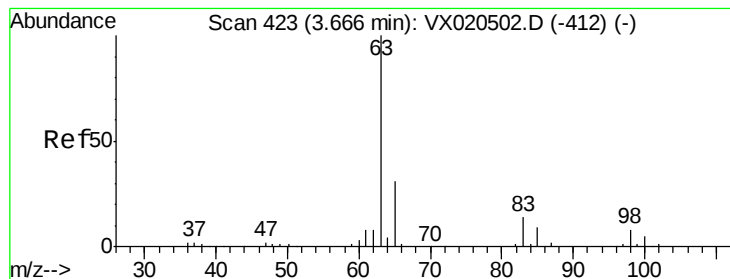
trans-1,2-Dichloroethene
 Concen: 12.609 ug/L
 RT: 3.14 min Scan# 336
 Delta R.T. 0.00 min
 Lab File: VX020503.D
 Acq: 05 Jan 2021 17:19

Tgt Ion	Ratio	Lower	Upper
96	100		
61	137.6	95.4	177.2
98	62.5	44.2	82.2



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: 12.906 ug/L

RT: 3.67 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX020503.D

Acq: 05 Jan 2021 17:19

Instrument :

MSVOA_X

ClientSampleId :

VSTD010305

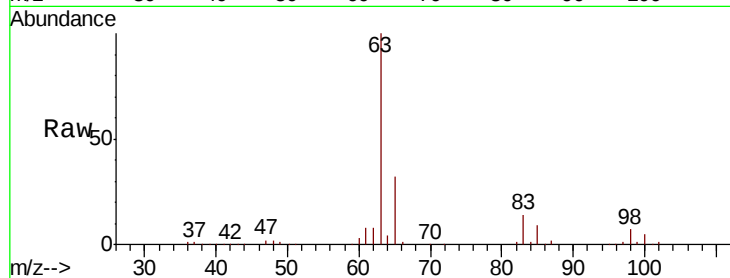
Tot Ion: 63 Resp: 256208

Ion Ratio Lower Upper

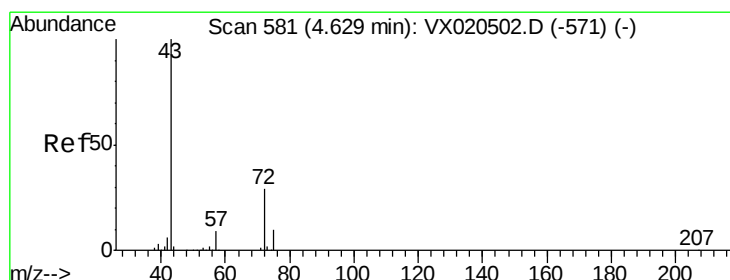
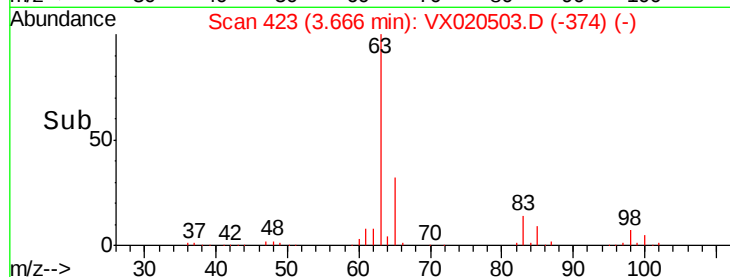
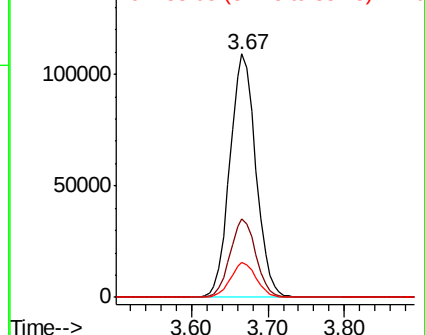
63 100

65 32.2 21.8 40.6

83 14.1 9.6 17.8



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: 125.474 ug/L

RT: 4.64 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX020503.D

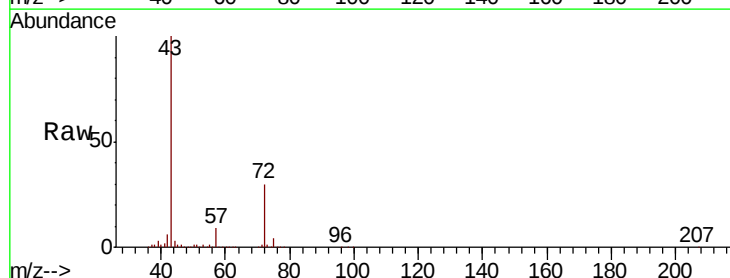
Acq: 05 Jan 2021 17:19

Tgt Ion: 43 Resp: 303060

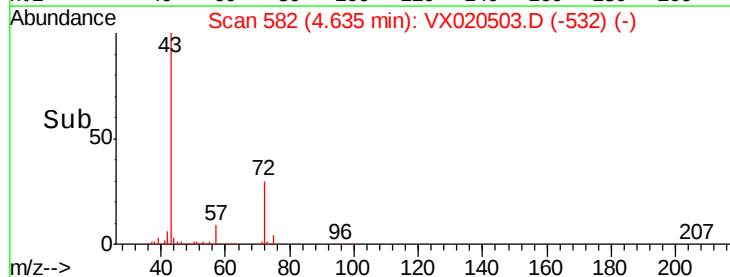
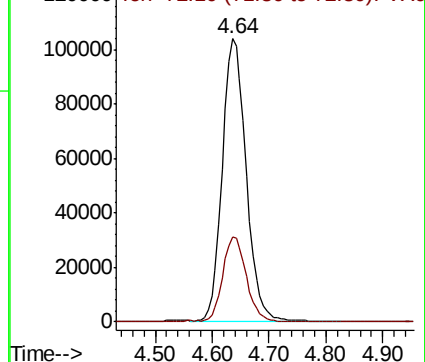
Ion Ratio Lower Upper

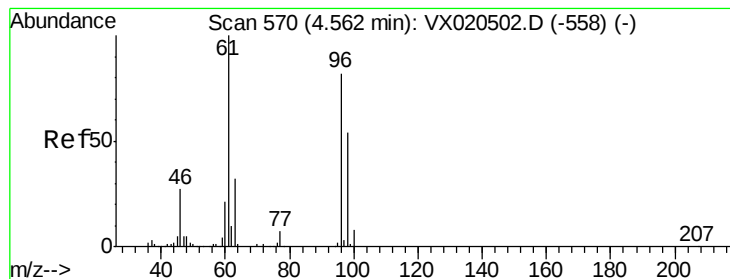
43 100

72 29.5 14.8 44.4



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



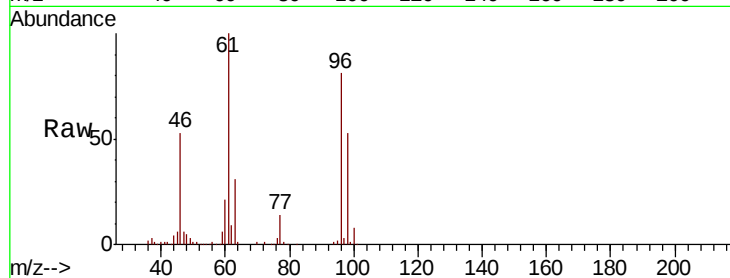


#22

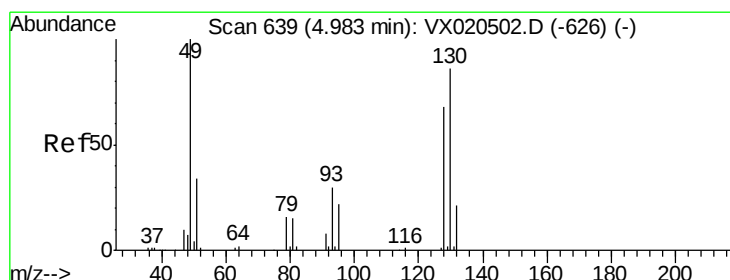
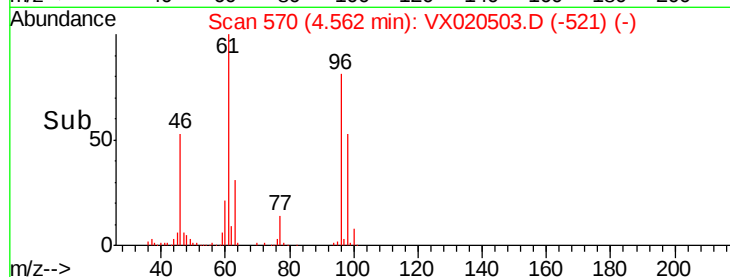
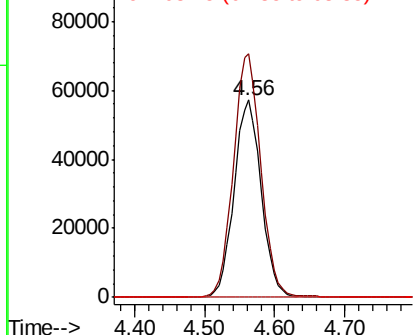
cis-1,2-Dichloroethene
 Concen: 12.552 ug/L
 RT: 4.56 min Scan# 570
 Delta R.T. 0.00 min
 Lab File: VX020503.D
 Acq: 05 Jan 2021 17:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD010305

Tot Ion	Ratio	Lower	Upper
96	100		
61	123.3	85.9	159.5
68	0.0	0.0	0.0



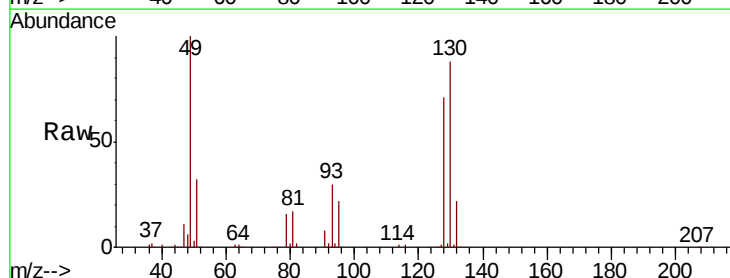
Abundance Ion 96.00 (95.70 to 96.70): VX0
 Ion 61.05 (60.75 to 61.75): VX0
 Ion 68.15 (67.85 to 68.85): VX0



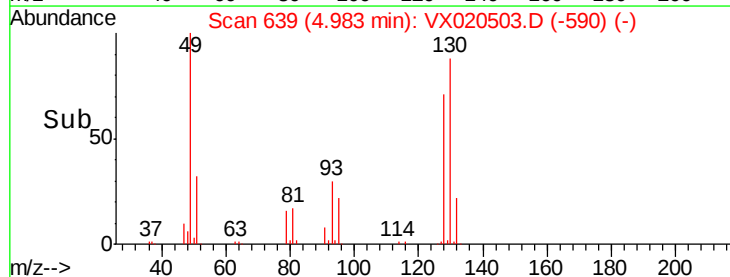
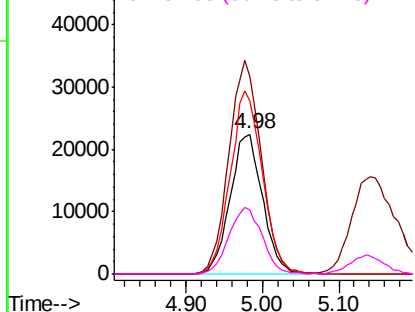
#23

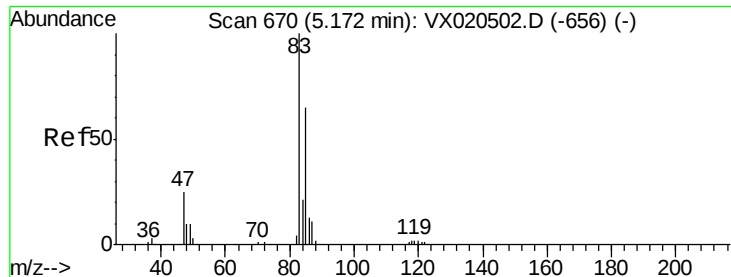
Bromochloromethane
 Concen: 12.809 ug/L
 RT: 4.98 min Scan# 639
 Delta R.T. 0.00 min
 Lab File: VX020503.D
 Acq: 05 Jan 2021 17:19

Tgt Ion	Ratio	Lower	Upper
128	100		
49	141.3	103.2	191.6
130	124.2	89.1	165.5
51	45.8	39.6	59.4



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: 12.864 ug/L

RT: 5.17 min Scan# 670

Delta R.T. 0.00 min

Lab File: VX020503.D

Acq: 05 Jan 2021 17:19

Instrument :

MSVOA_X

ClientSampleId :

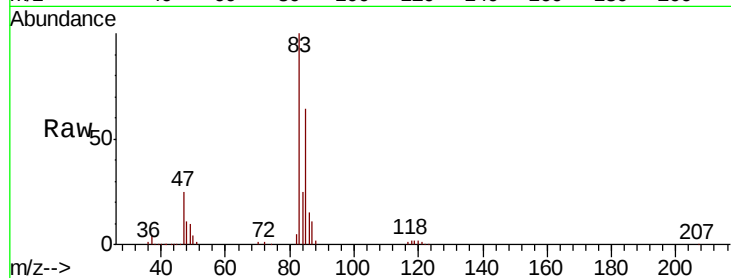
VSTD010305

Tot Ion: 83 Resp: 267116

Ion Ratio Lower Upper

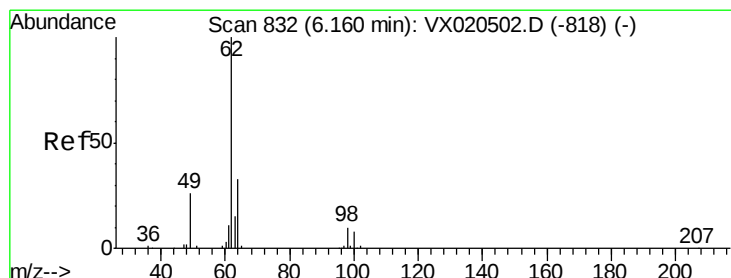
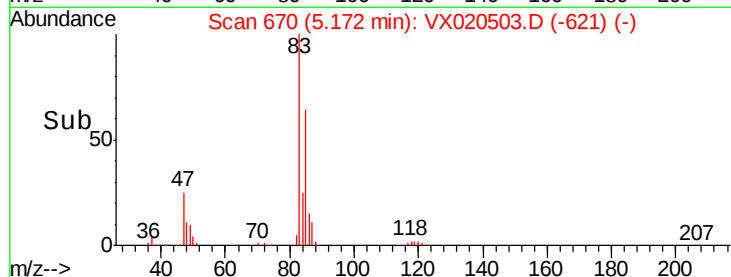
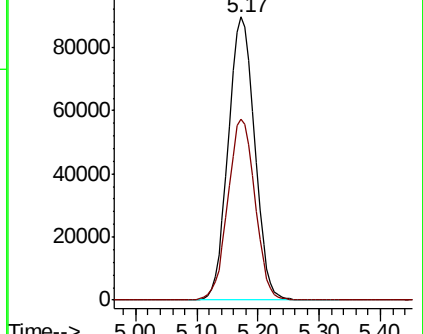
83 100

85 63.8 45.6 84.8



Abundance Ion 83.05 (82.75 to 83.75): VX0

Ion 85.00 (84.70 to 85.70): VX0



#27

1,2-Dichloroethane

Concen: 12.137 ug/L

RT: 6.16 min Scan# 832

Delta R.T. 0.00 min

Lab File: VX020503.D

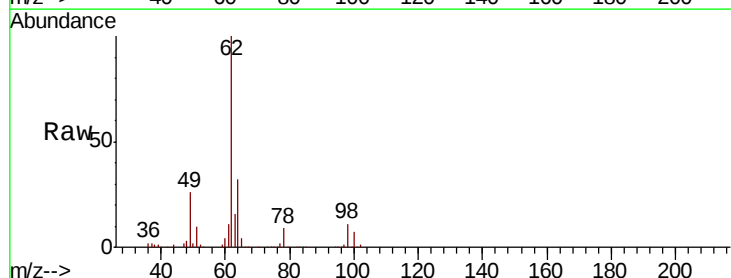
Acq: 05 Jan 2021 17:19

Tgt Ion: 62 Resp: 154991

Ion Ratio Lower Upper

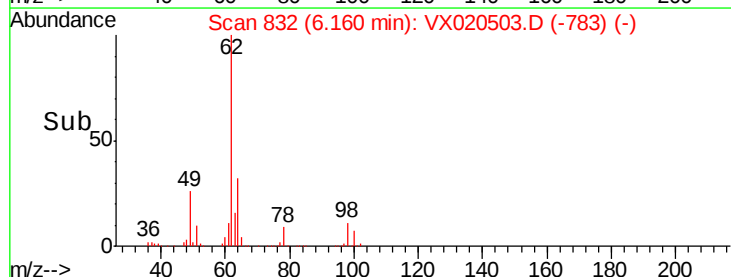
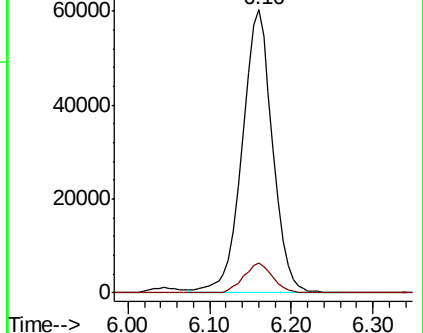
62 100

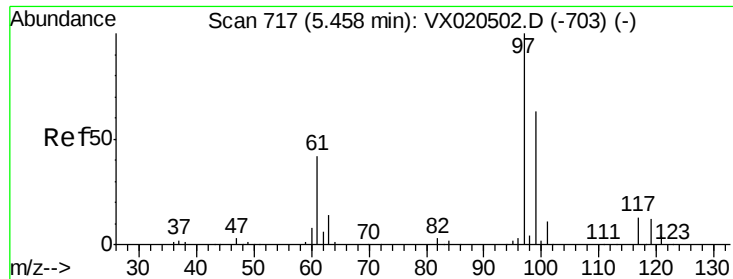
98 10.5 7.9 11.9



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 98.05 (97.75 to 98.75): VX0

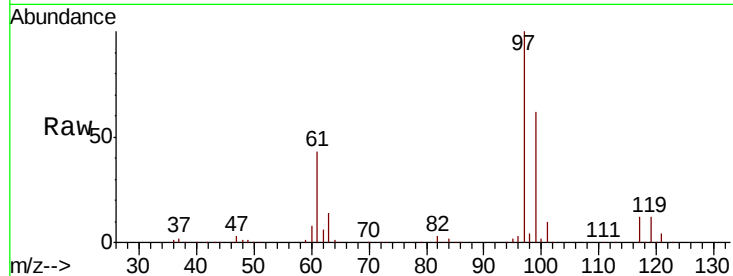




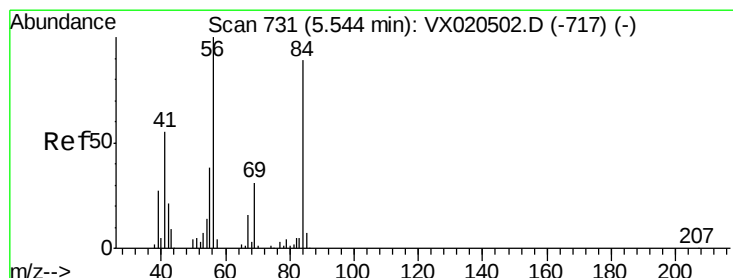
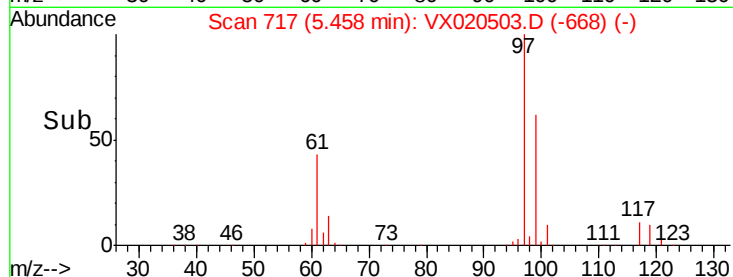
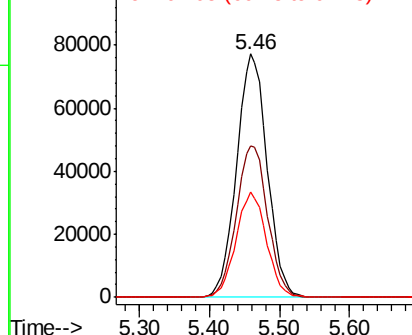
#29
 1,1,1-Trichloroethane
 Concen: 11.226 ug/L
 RT: 5.46 min Scan# 717
 Delta R.T. 0.00 min
 Lab File: VX020503.D
 Acq: 05 Jan 2021 17:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD010305

Tot Ion: 97 Resp: 234098
 Ion Ratio Lower Upper
 97 100
 99 63.7 51.2 76.8
 61 43.2 35.3 52.9

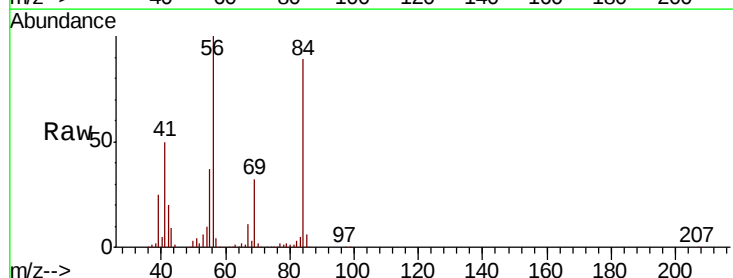


Abundance Ion 96.95 (96.65 to 97.65): VX0
 Ion 99.05 (98.75 to 99.75): VX0
 Ion 61.05 (60.75 to 61.75): VX0

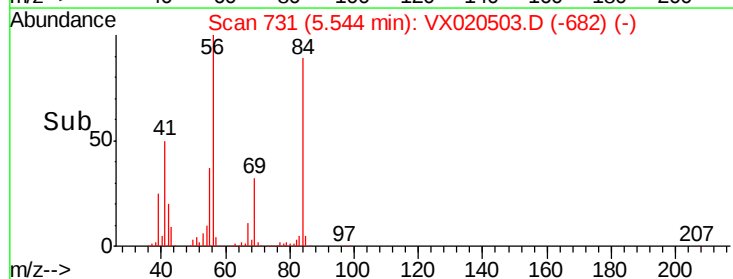
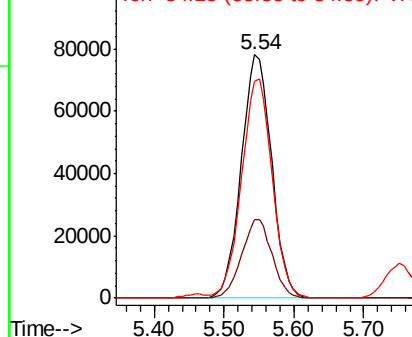


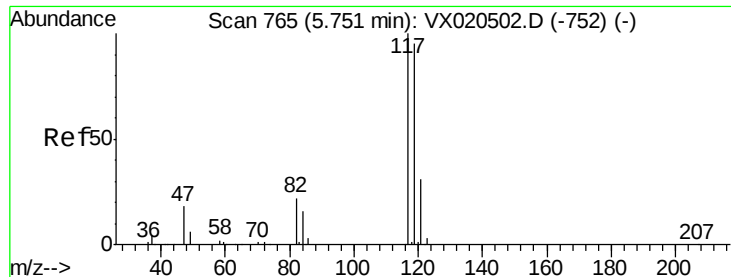
#30
 Cyclohexane
 Concen: 11.406 ug/L
 RT: 5.54 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: VX020503.D
 Acq: 05 Jan 2021 17:19

Tgt Ion: 56 Resp: 235141
 Ion Ratio Lower Upper
 56 100
 69 32.2 25.8 38.6
 84 91.0 72.4 108.6



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: 11.205 ug/L

RT: 5.75 min Scan# 765

Delta R.T. 0.00 min

Lab File: VX020503.D

Acq: 05 Jan 2021 17:19

Instrument :

MSVOA_X

ClientSampleId :

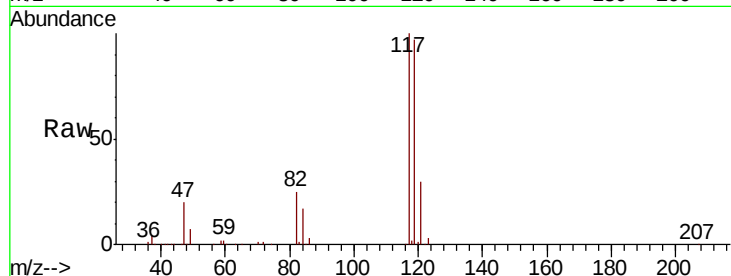
VSTD010305

Tot Ion:117 Resp: 200348

Ion Ratio Lower Upper

117 100

119 95.9 76.2 114.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.75

80000

60000

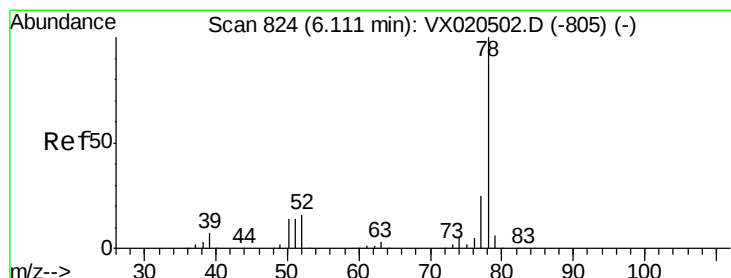
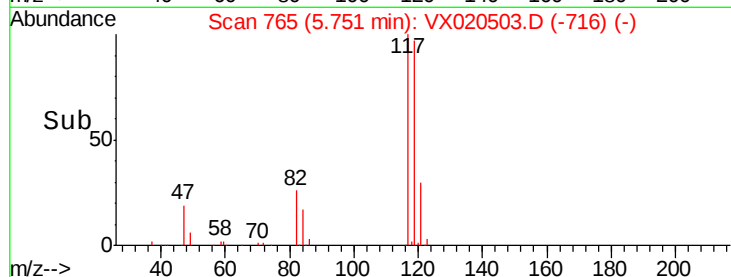
40000

20000

0

Time-->

5.60 5.70 5.80 5.90



#33

Benzene

Concen: 11.699 ug/L

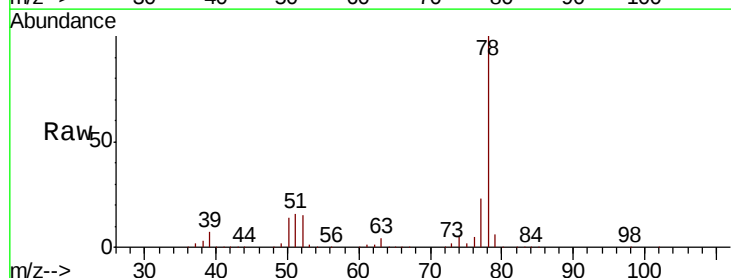
RT: 6.11 min Scan# 824

Delta R.T. 0.00 min

Lab File: VX020503.D

Acq: 05 Jan 2021 17:19

Tgt Ion: 78 Resp: 602926



Abundance Ion 78.10 (77.80 to 78.80): VX0

6.11

250000

200000

150000

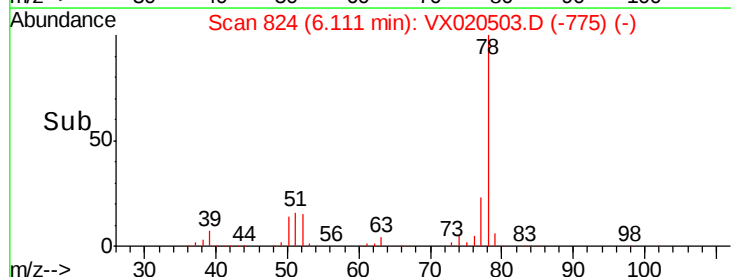
100000

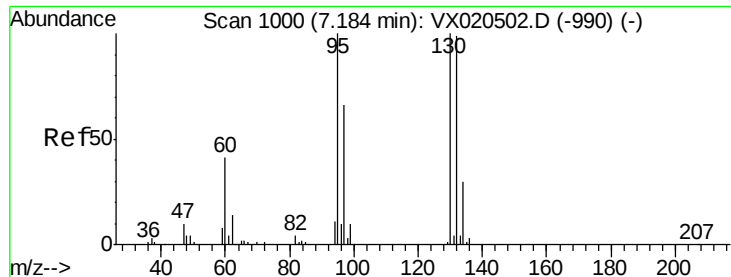
50000

0

Time-->

6.00 6.20

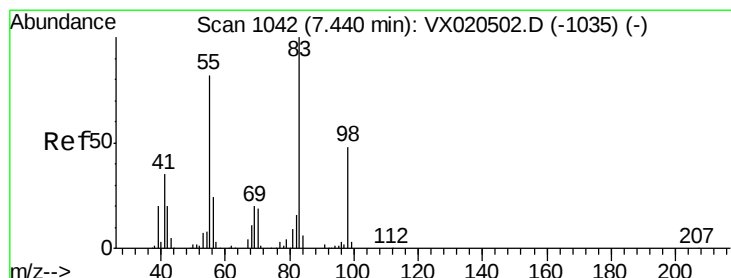
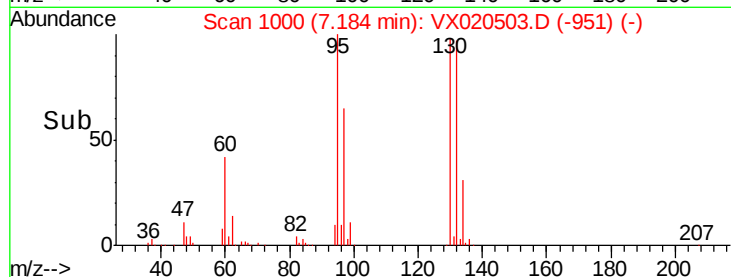
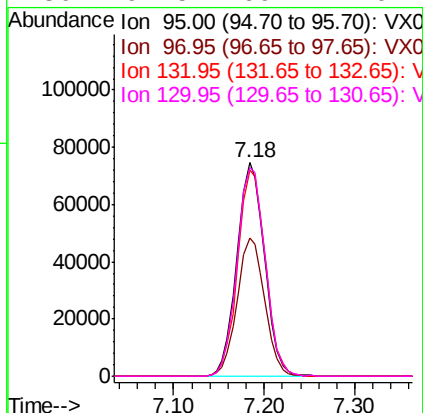
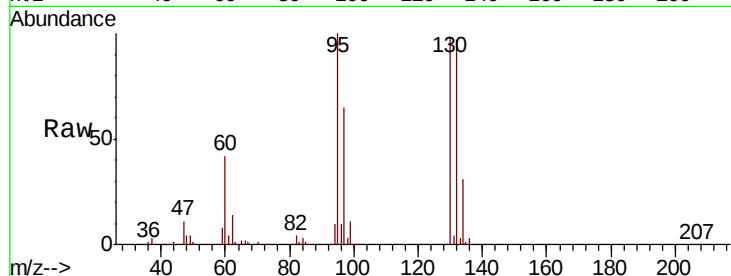




#34
 Trichloroethene
 Concen: 11.445 ug/L
 RT: 7.18 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VX020503.D
 Acq: 05 Jan 2021 17:19

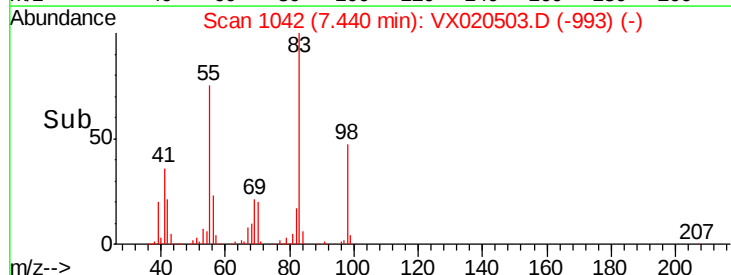
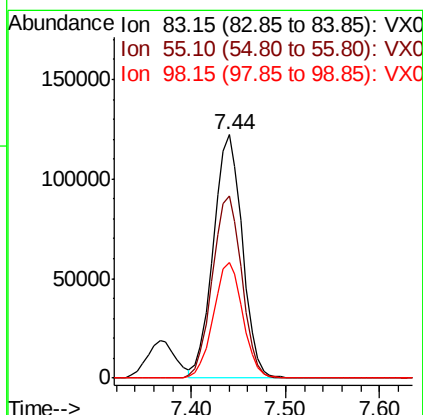
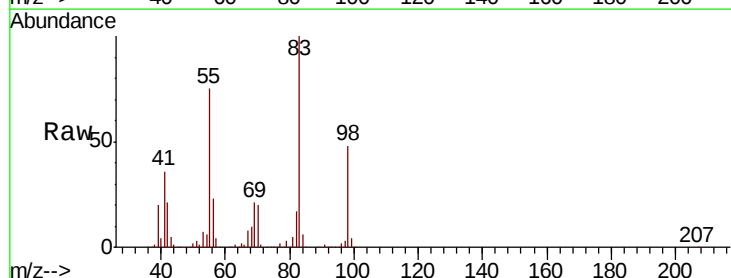
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD010305

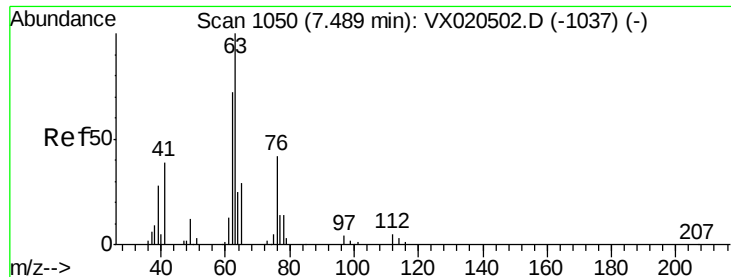
Tot Ion:	95	Resp:	157624
Ion	Ratio	Lower	Upper
95	100		
97	64.6	46.0	85.4
132	96.5	69.0	128.1
130	97.5	69.7	129.4



#35
 Methylcyclohexane
 Concen: 11.769 ug/L
 RT: 7.44 min Scan# 1042
 Delta R.T. 0.00 min
 Lab File: VX020503.D
 Acq: 05 Jan 2021 17:19

Tgt Ion:	83	Resp:	260705
Ion	Ratio	Lower	Upper
83	100		
55	76.1	63.4	95.0
98	48.1	39.2	58.8





#37

1,2-Dichloropropane

Concen: 12.350 ug/L

RT: 7.49 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VX020503.D

Acq: 05 Jan 2021 17:19

Instrument :

MSVOA_X

ClientSampleId :

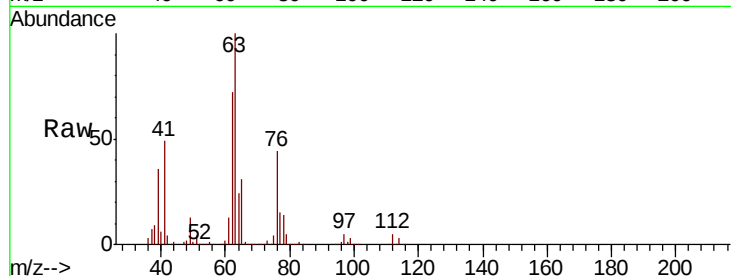
VSTD010305

Tot Ion: 63 Resp: 150313

Ion Ratio Lower Upper

63 100

112 4.5 3.9 5.9



Abundance Ion 63.10 (62.80 to 63.80): VX0

Ion 112.10 (111.80 to 112.80): V

7.49

80000

60000

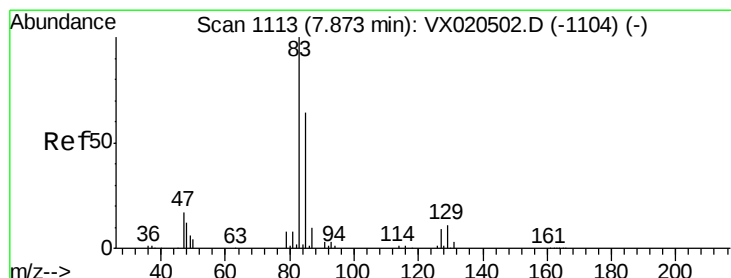
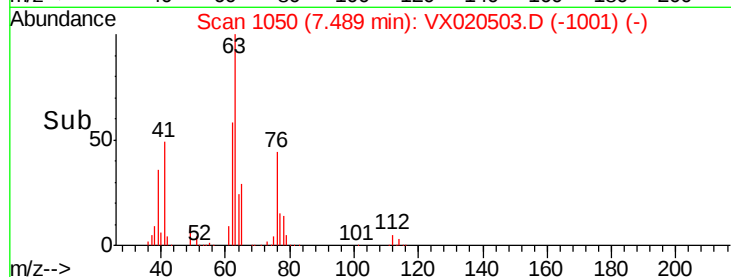
40000

20000

0

7.40 7.50 7.60

Time-->



#38

Bromodichloromethane

Concen: 11.673 ug/L

RT: 7.87 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VX020503.D

Acq: 05 Jan 2021 17:19

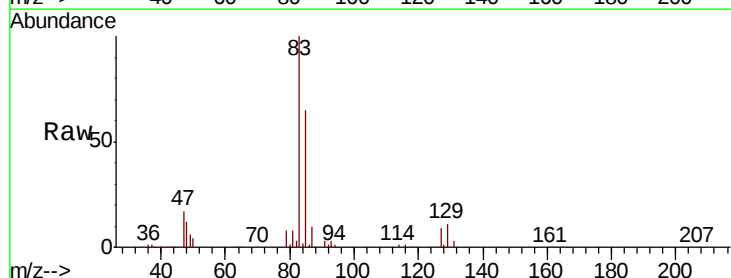
Tgt Ion: 83 Resp: 182301

Ion Ratio Lower Upper

83 100

85 65.3 44.6 82.8

127 8.6 7.0 10.4



Abundance Ion 82.95 (82.65 to 83.65): VX0

Ion 85.00 (84.70 to 85.70): VX0

Ion 126.90 (126.60 to 127.60): V

7.87

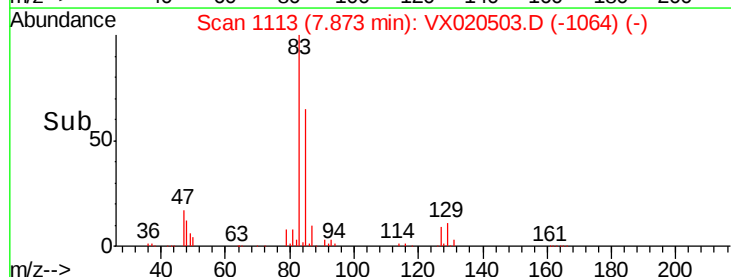
100000

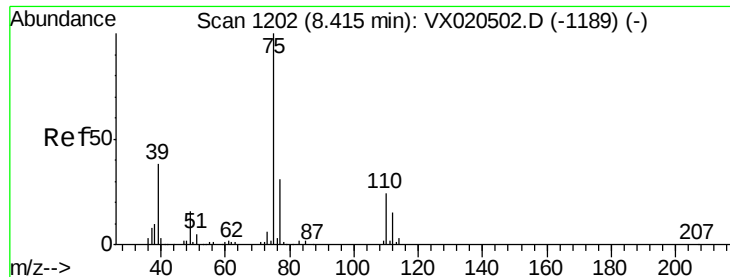
50000

0

7.80 7.90 8.00

Time-->





#39

cis-1,3-Dichloropropene

Concen: 11.628 ug/L

RT: 8.42 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VX020503.D

Acq: 05 Jan 2021 17:19

Instrument :

MSVOA_X

ClientSampleId :

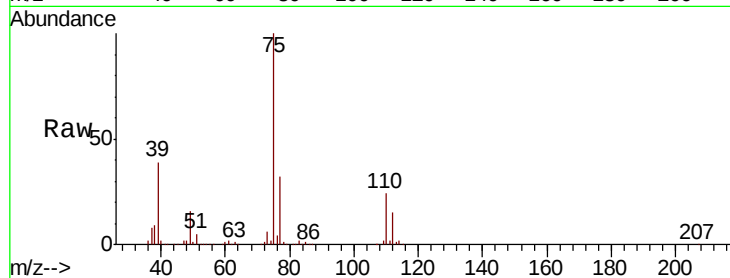
VSTD010305

Tot Ion: 75 Resp: 210672

Ion Ratio Lower Upper

75 100

77 32.0 21.6 40.0



Abundance Ion 75.05 (74.75 to 75.75): VX0

Ion 77.05 (76.75 to 77.75): VX0

8.42

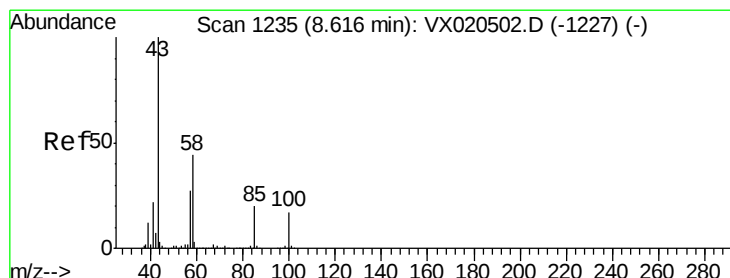
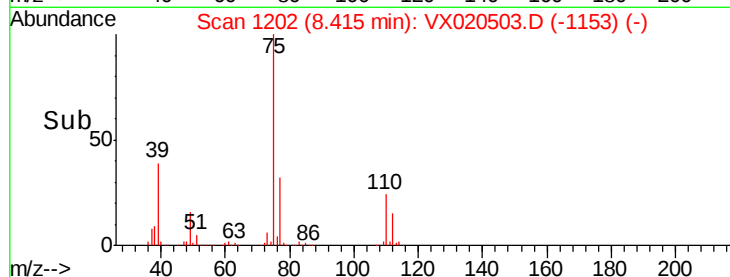
150000

100000

50000

0

Time--> 8.30 8.40 8.50



#40

4-Methyl-2-pentanone

Concen: 120.711 ug/L

RT: 8.62 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VX020503.D

Acq: 05 Jan 2021 17:19

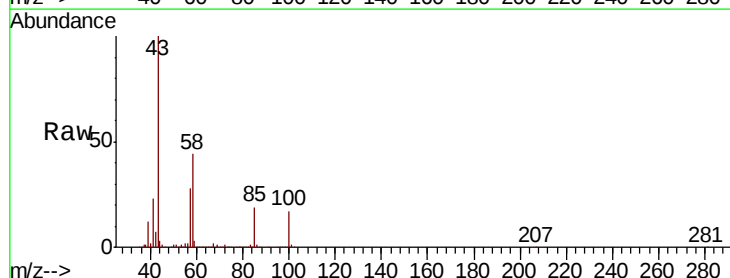
Tgt Ion: 43 Resp: 772508

Ion Ratio Lower Upper

43 100

58 44.4 35.0 52.4

100 17.9 14.3 21.5



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

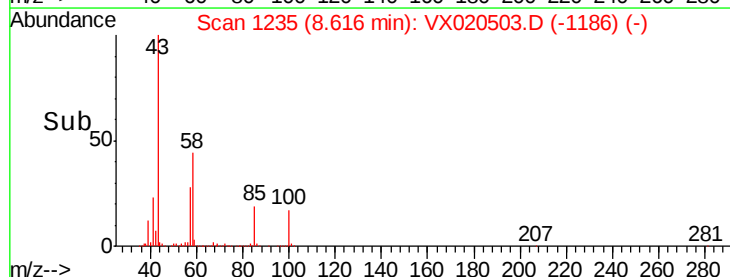
600000

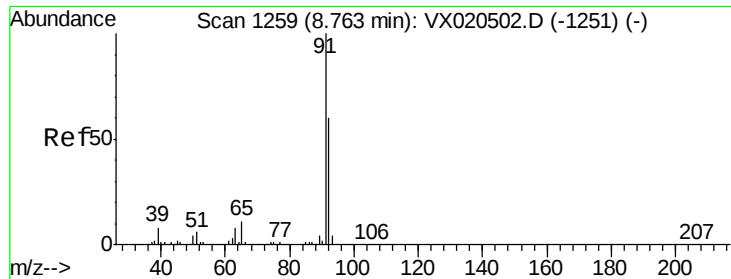
400000

200000

0

Time--> 8.50 8.55 8.60 8.65 8.70





#42

Toluene

Concen: 11.881 ug/L

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX020503.D

Acq: 05 Jan 2021 17:19

Instrument :

MSVOA_X

ClientSampleId :

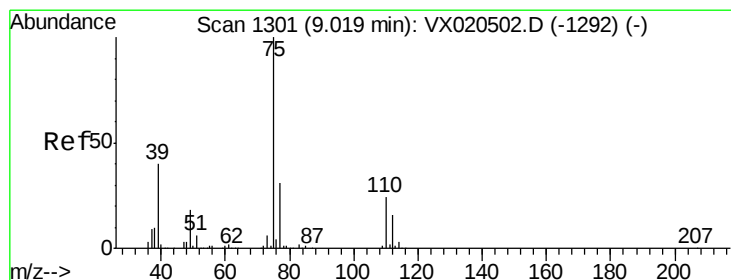
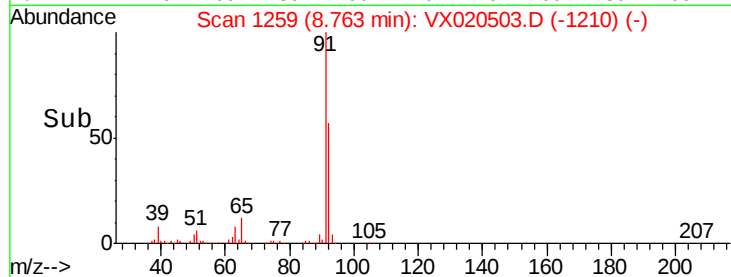
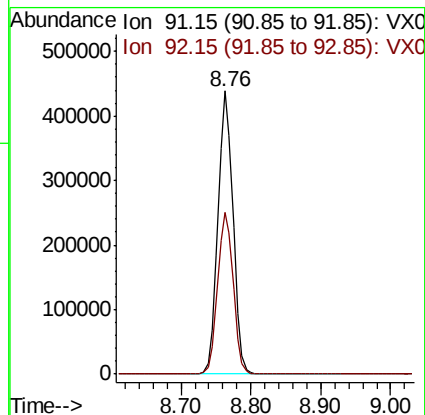
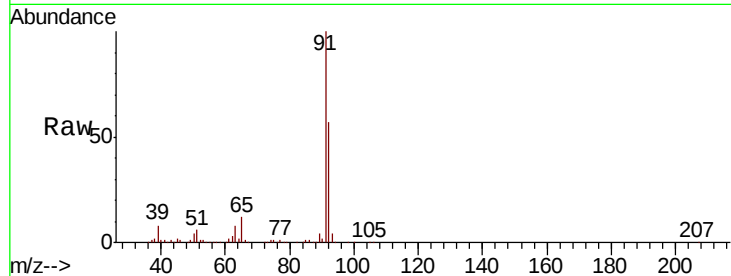
VSTD010305

Tot Ion: 91 Resp: 655596

Ion Ratio Lower Upper

91 100

92 57.2 42.1 78.1



#44

trans-1,3-Dichloropropene

Concen: 11.864 ug/L

RT: 9.02 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VX020503.D

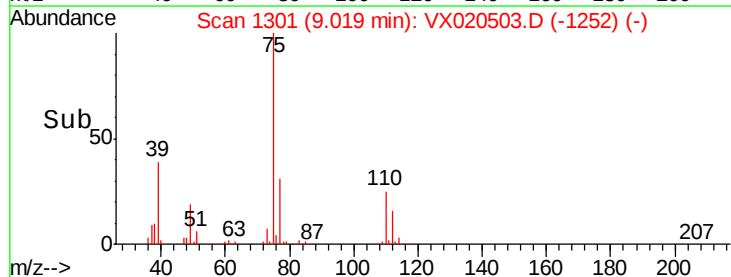
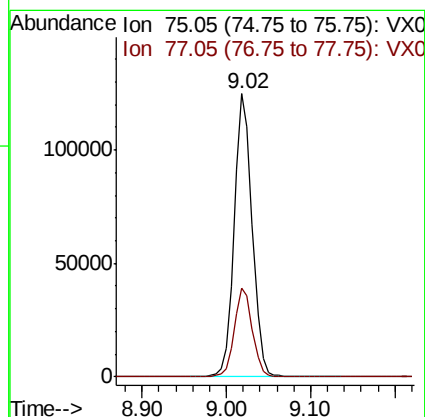
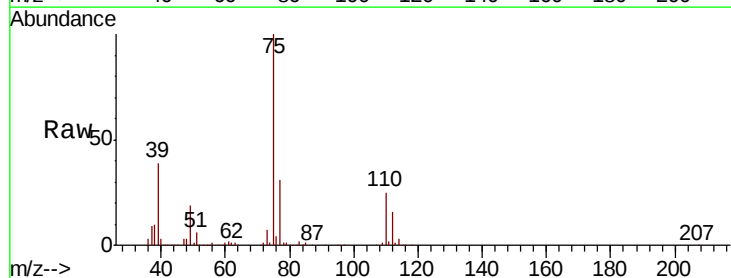
Acq: 05 Jan 2021 17:19

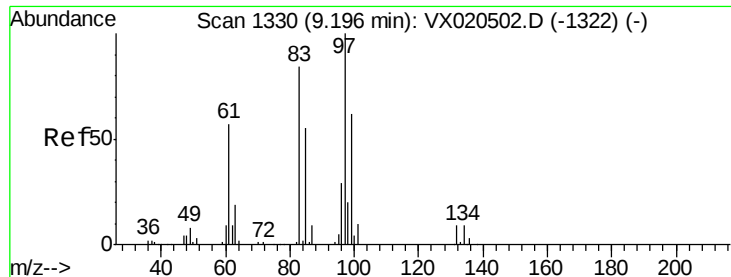
Tgt Ion: 75 Resp: 180854

Ion Ratio Lower Upper

75 100

77 31.2 21.7 40.3

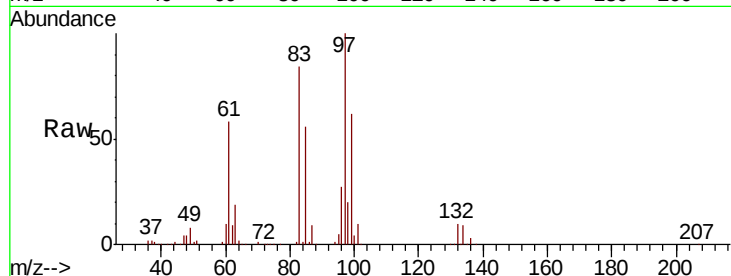




#45
 1,1,2-Trichloroethane
 Concen: 11.536 ug/L
 RT: 9.20 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VX020503.D
 Acq: 05 Jan 2021 17:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD010305

Tot Ion:	97	Resp:	101366
Ion	Ratio	Lower	Upper
97	100		
99	61.6	43.4	80.6
83	84.3	58.6	108.8
85	56.3	38.5	71.5



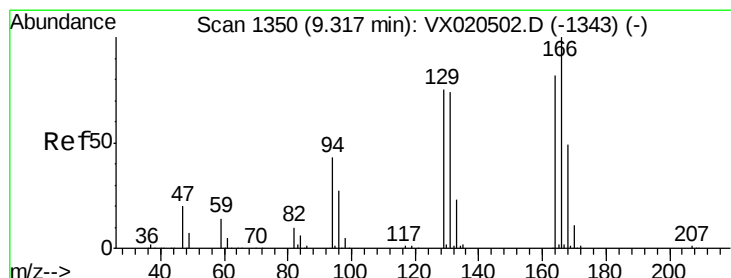
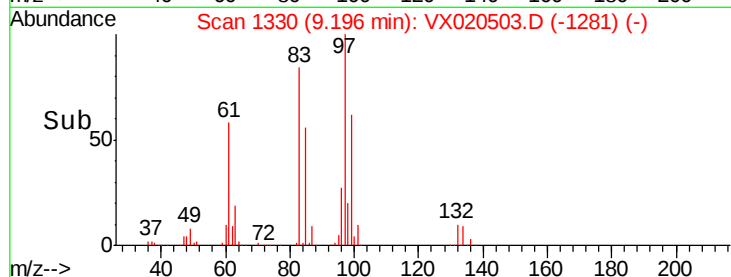
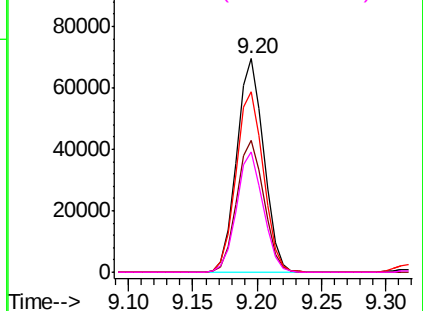
Abundance

Ion 96.95 (96.65 to 97.65): VX0

Ion 99.05 (98.75 to 99.75): VX0

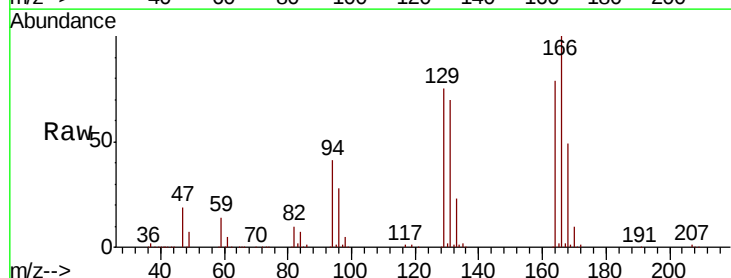
Ion 82.95 (82.65 to 83.65): VX0

Ion 85.00 (84.70 to 85.70): VX0



#47
 Tetrachloroethene
 Concen: 11.696 ug/L
 RT: 9.32 min Scan# 1350
 Delta R.T. 0.00 min
 Lab File: VX020503.D
 Acq: 05 Jan 2021 17:19

Tgt Ion:	164	Resp:	125732
Ion	Ratio	Lower	Upper
164	100		
129	94.2	64.5	119.7
131	88.0	63.8	118.6
166	126.3	85.8	159.4



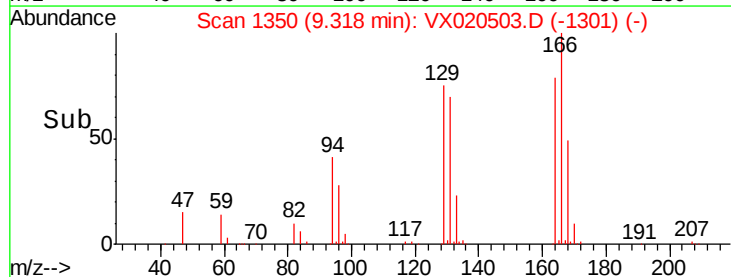
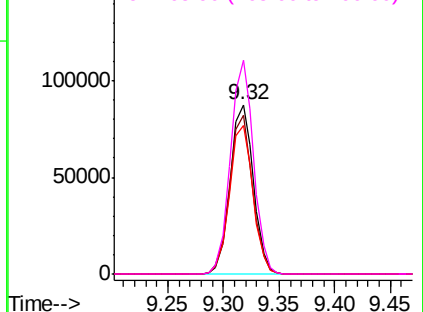
Abundance

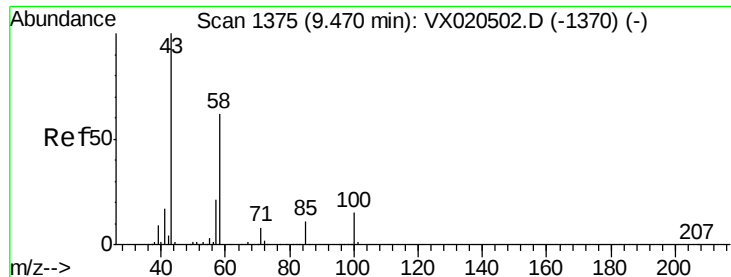
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

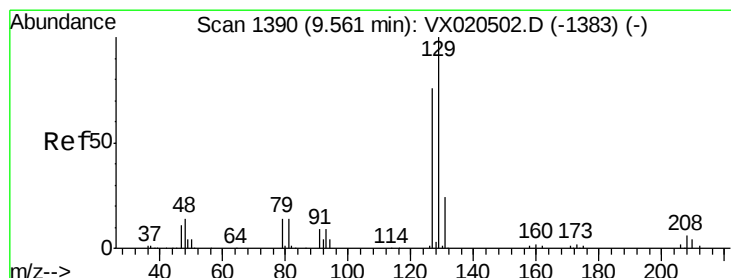
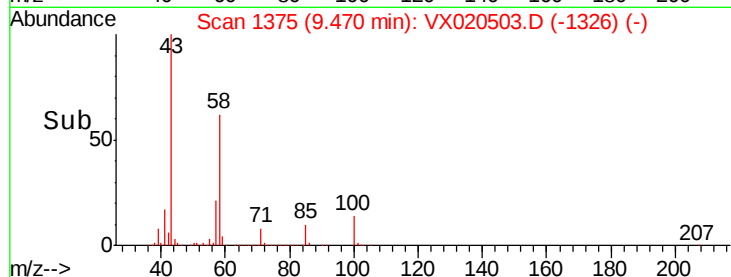
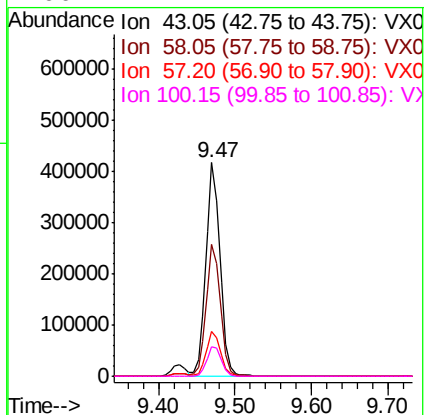
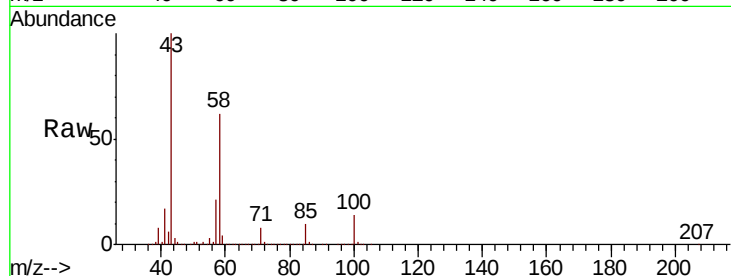




#48
2-Hexanone
Concen: 119.808 ug/L
RT: 9.47 min Scan# 1375
Delta R.T. 0.00 min
Lab File: VX020503.D
Acq: 05 Jan 2021 17:19

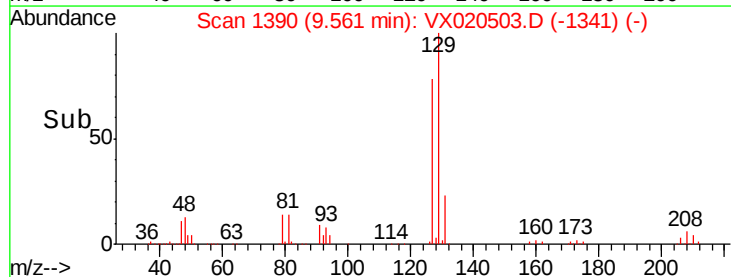
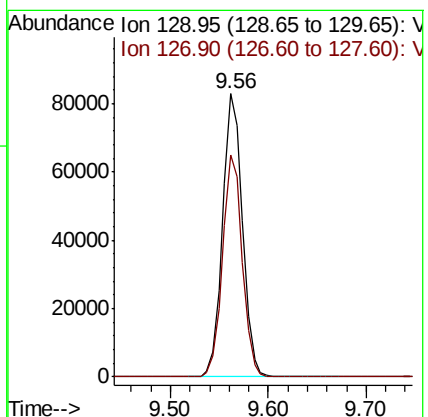
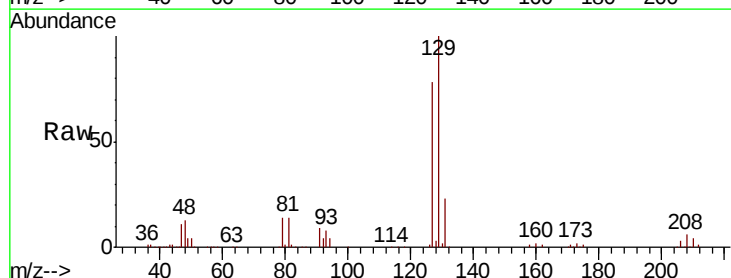
Instrument :
MSVOA_X
ClientSampleId :
VSTD010305

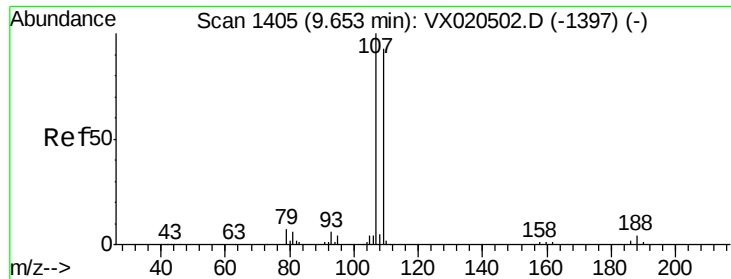
Tot Ion: 43 Resp: 540787
Ion Ratio Lower Upper
43 100
58 62.2 48.8 73.2
57 21.4 16.6 25.0
100 14.4 11.4 17.2



#49
Dibromochloromethane
Concen: 11.480 ug/L
RT: 9.56 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VX020503.D
Acq: 05 Jan 2021 17:19

Tgt Ion: 129 Resp: 116519
Ion Ratio Lower Upper
129 100
127 78.4 53.0 98.4

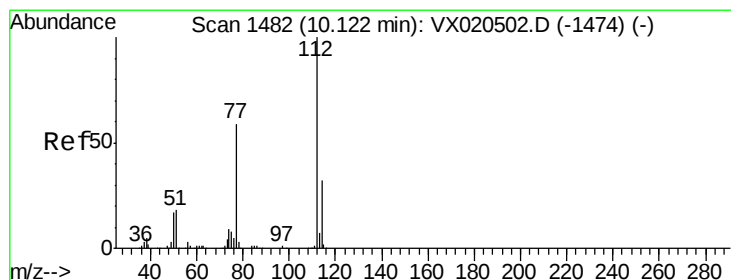
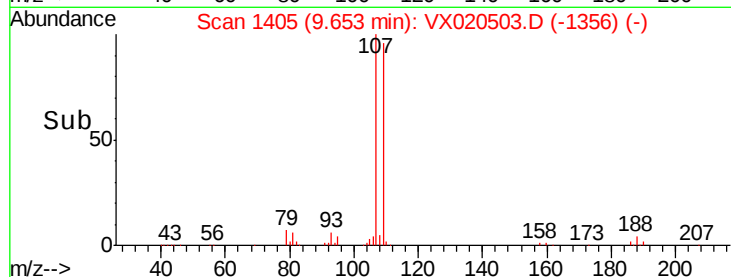
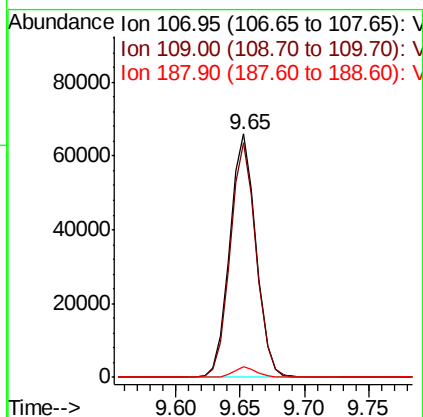
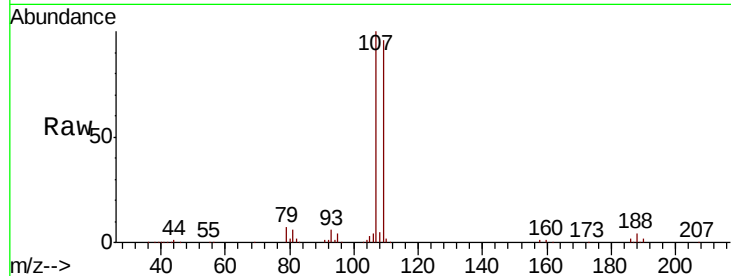




#50
 1,2-Dibromoethane
 Concen: 11.517 ug/L
 RT: 9.65 min Scan# 1405
 Delta R.T. 0.00 min
 Lab File: VX020503.D
 Acq: 05 Jan 2021 17:19

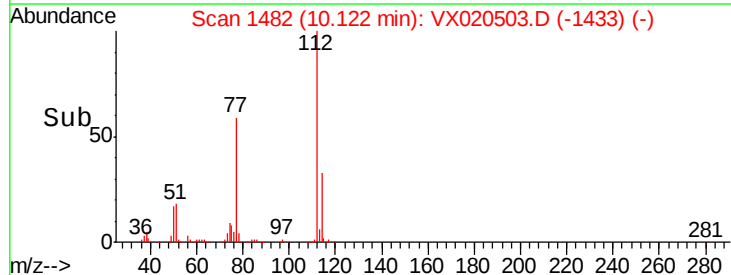
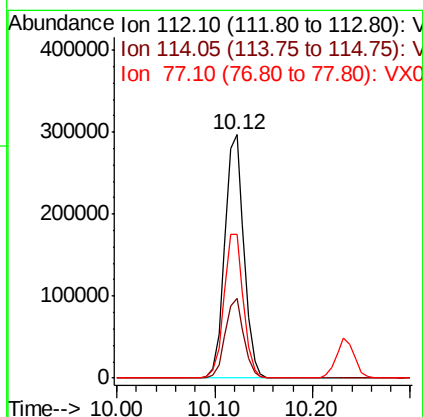
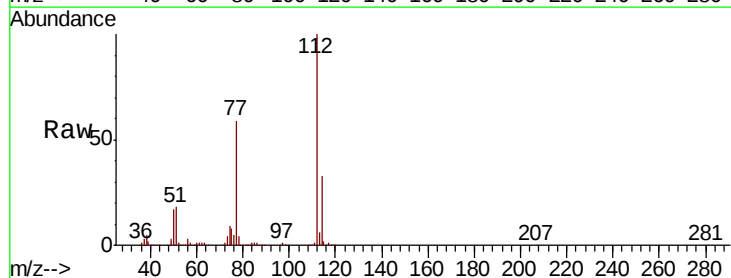
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD010305

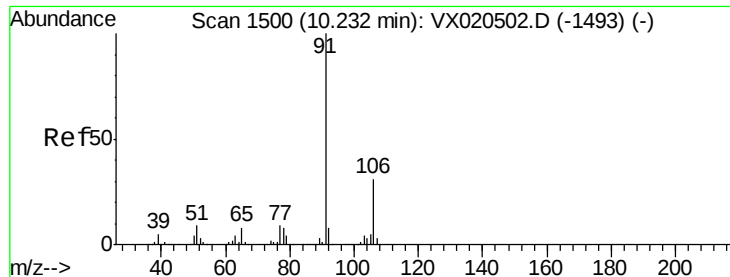
Tot Ion:107 Resp: 93954
 Ion Ratio Lower Upper
 107 100
 109 96.2 65.0 120.8
 188 4.3 3.4 5.0



#51
 Chlorobenzene
 Concen: 11.569 ug/L
 RT: 10.12 min Scan# 1482
 Delta R.T. 0.00 min
 Lab File: VX020503.D
 Acq: 05 Jan 2021 17:19

Tgt Ion:112 Resp: 400239
 Ion Ratio Lower Upper
 112 100
 114 32.7 22.1 41.1
 77 59.2 47.0 70.6





#52

Ethylbenzene

Concen: 11.654 ug/L

RT: 10.23 min Scan# 1500

Delta R.T. 0.00 min

Lab File: VX020503.D

Acq: 05 Jan 2021 17:19

Instrument :

MSVOA_X

ClientSampleId :

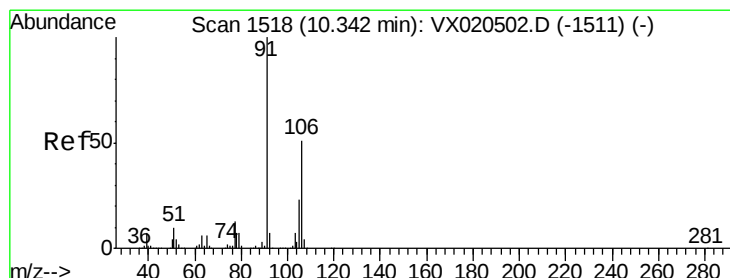
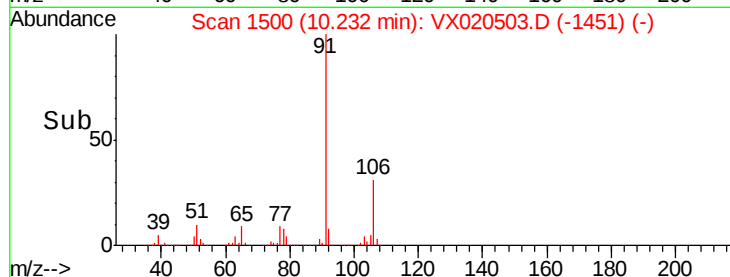
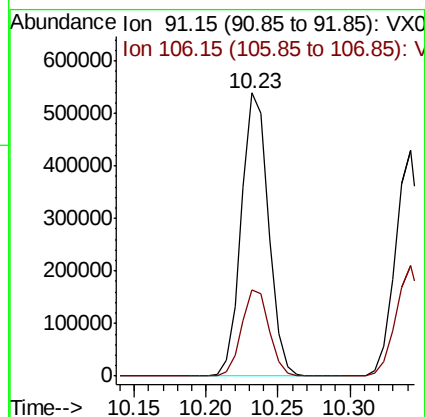
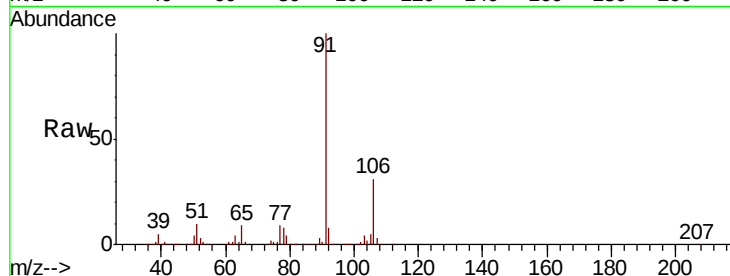
VSTD010305

Tot Ion: 91 Resp: 706117

Ion Ratio Lower Upper

91 100

106 30.6 21.6 40.0



#53

m,p-xylene

Concen: 11.680 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX020503.D

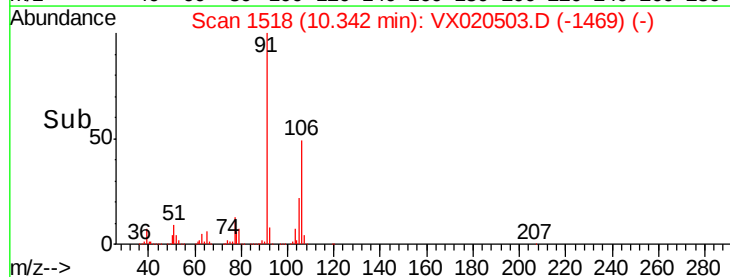
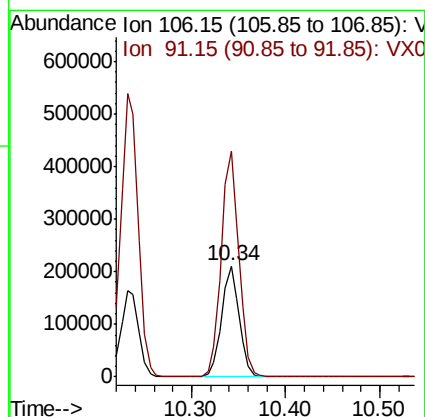
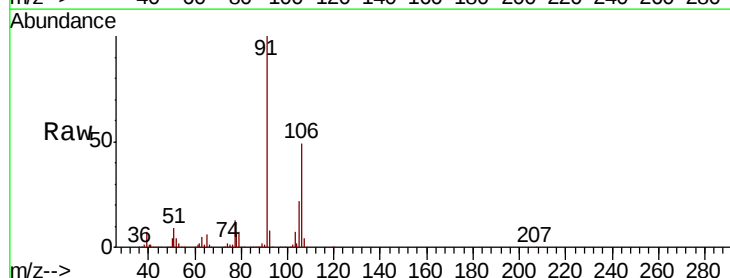
Acq: 05 Jan 2021 17:19

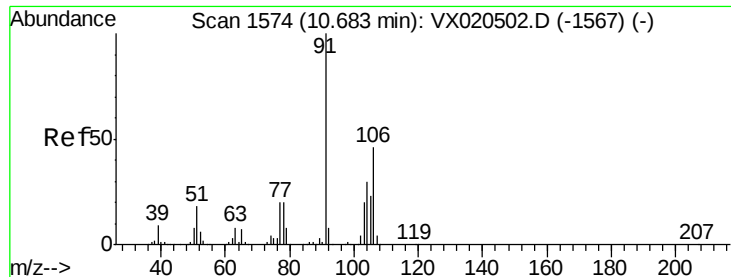
Tgt Ion: 106 Resp: 272006

Ion Ratio Lower Upper

106 100

91 203.2 137.4 255.2





#54

o-xylene

Concen: 11.693 ug/L

RT: 10.68 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VX020503.D

Acq: 05 Jan 2021 17:19

Instrument :

MSVOA_X

ClientSampled :

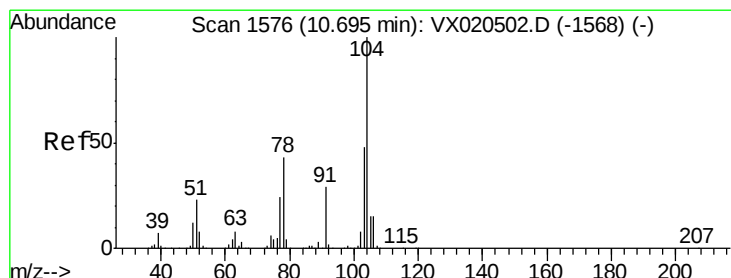
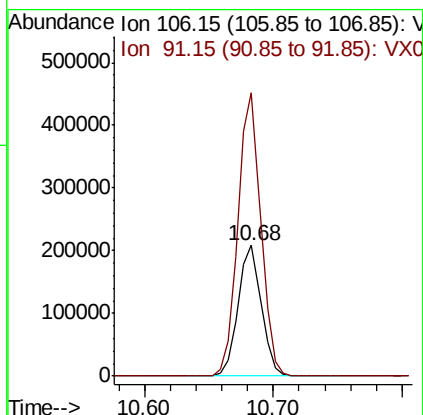
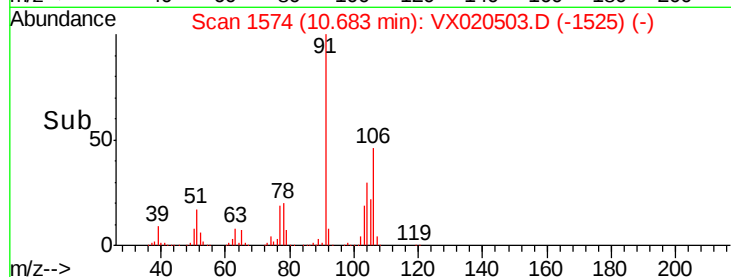
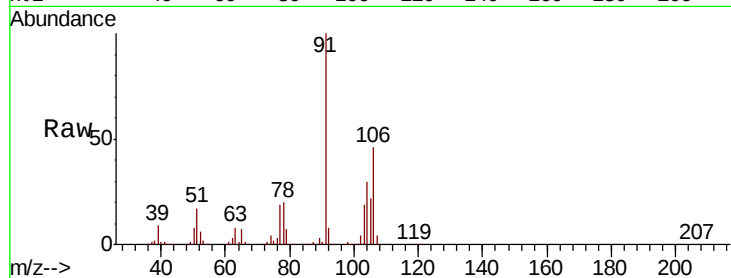
VSTD010305

Tot Ion:106 Resp: 259403

Ion Ratio Lower Upper

106 100

91 216.3 151.1 280.7



#55

Styrene

Concen: 12.063 ug/L

RT: 10.70 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VX020503.D

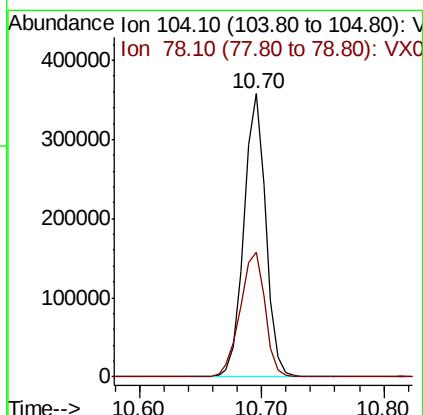
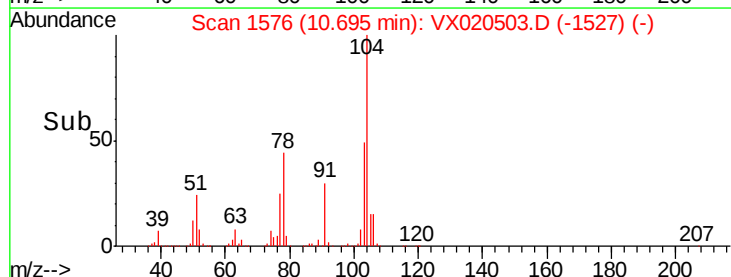
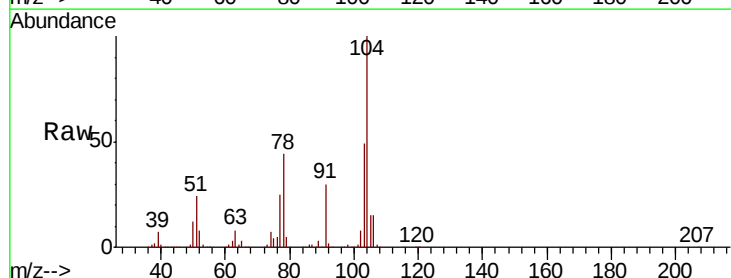
Acq: 05 Jan 2021 17:19

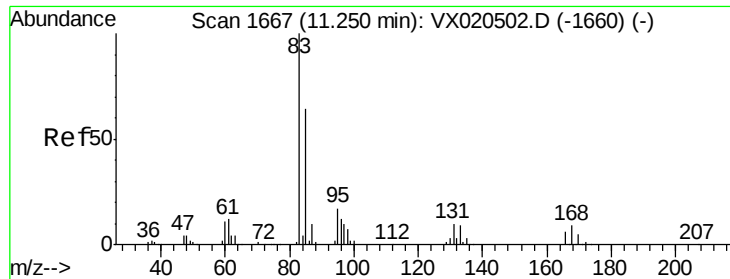
Tgt Ion:104 Resp: 442435

Ion Ratio Lower Upper

104 100

78 44.2 30.3 56.3

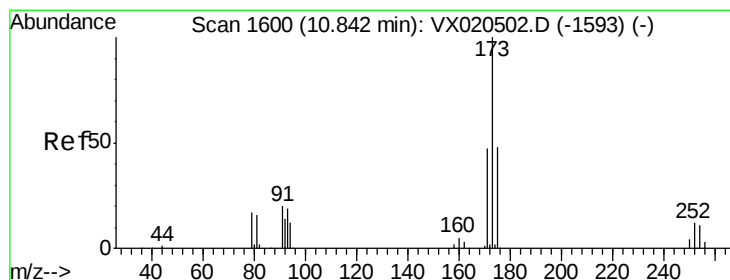
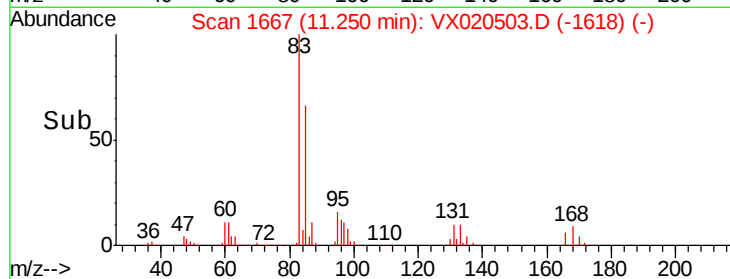
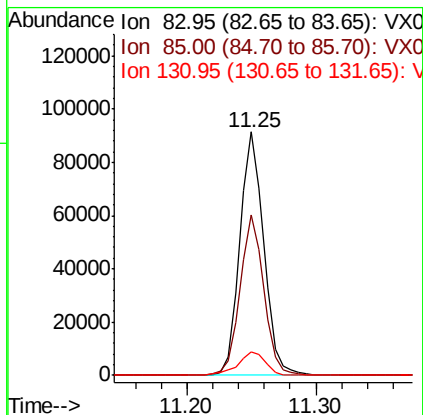
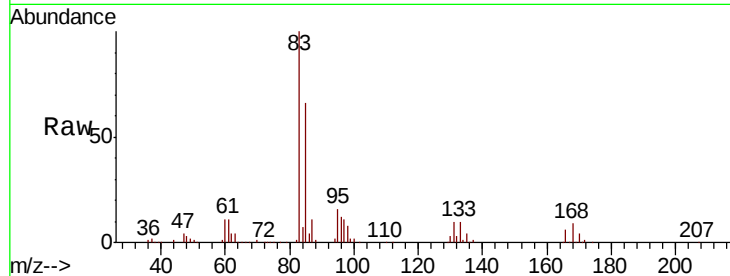




#57
 1,1,2,2-Tetrachloroethane
 Concen: 11.744 ug/L
 RT: 11.25 min Scan# 1667
 Delta R.T. 0.00 min
 Lab File: VX020503.D
 Acq: 05 Jan 2021 17:19

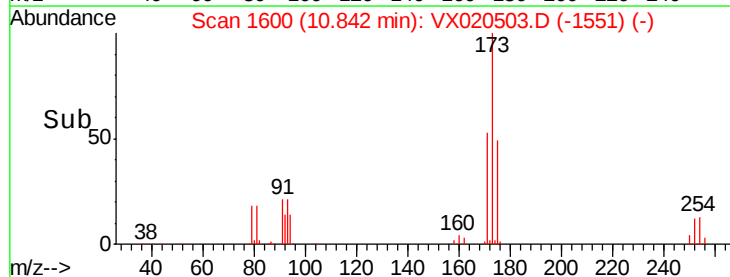
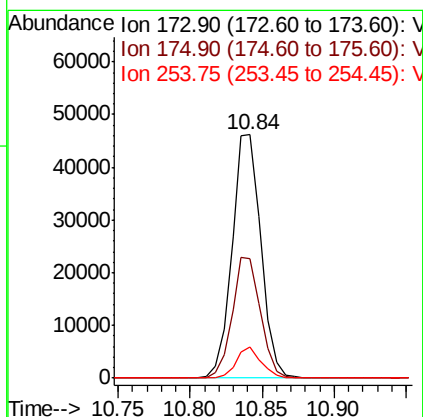
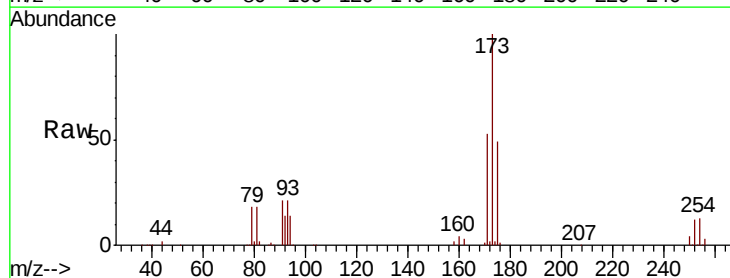
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD010305

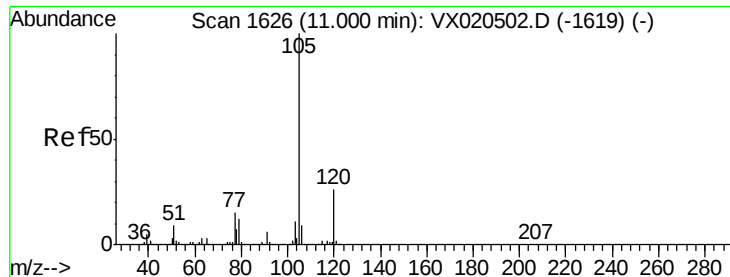
Tot Ion: 83 Resp: 117148
 Ion Ratio Lower Upper
 83 100
 85 65.9 44.6 82.8
 131 9.6 8.2 12.2



#59
 Bromoform
 Concen: 11.378 ug/L
 RT: 10.84 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VX020503.D
 Acq: 05 Jan 2021 17:19

Tgt Ion: 173 Resp: 64633
 Ion Ratio Lower Upper
 173 100
 175 48.3 38.0 57.0
 254 10.9 8.8 13.2





#60

Isopropylbenzene

Concen: 10.917 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX020503.D

Acq: 05 Jan 2021 17:19

Instrument :

MSVOA_X

ClientSampleId :

VSTD010305

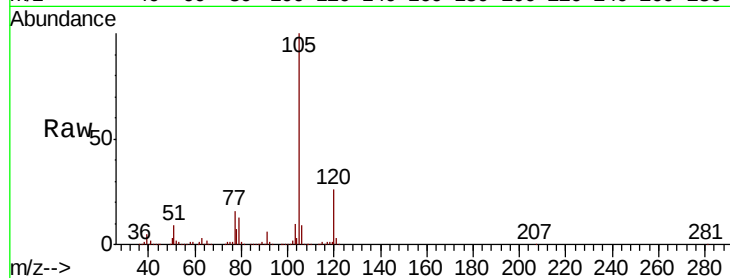
Tot Ion:105 Resp: 685861

Ion Ratio Lower Upper

105 100

120 26.5 21.1 31.7

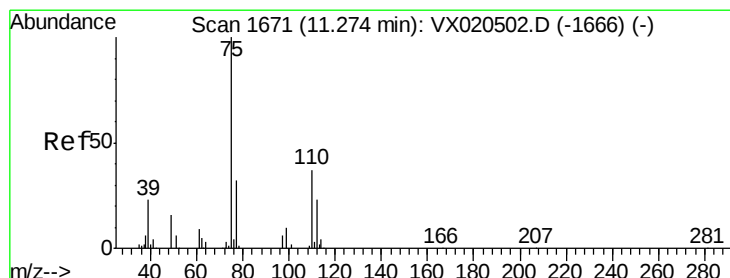
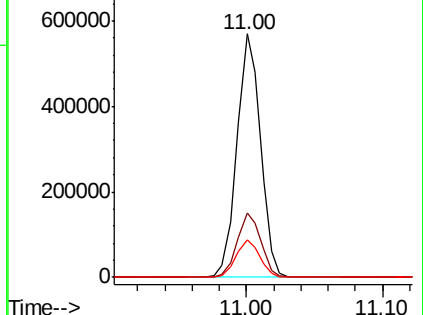
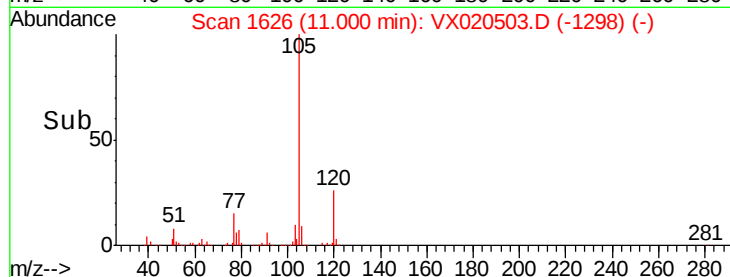
77 15.7 12.4 18.6



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: 11.054 ug/L

RT: 11.27 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VX020503.D

Acq: 05 Jan 2021 17:19

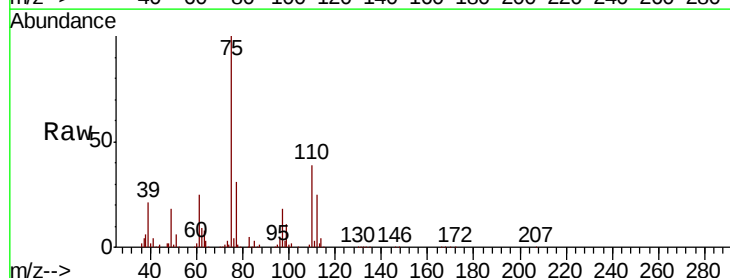
Tgt Ion: 75 Resp: 85765

Ion Ratio Lower Upper

75 100

77 32.1 26.3 39.5

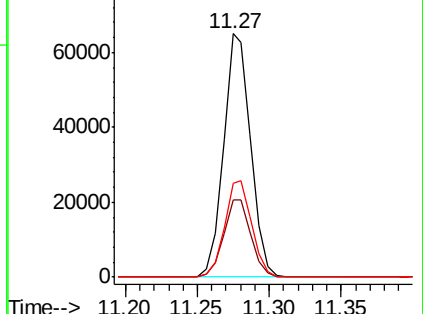
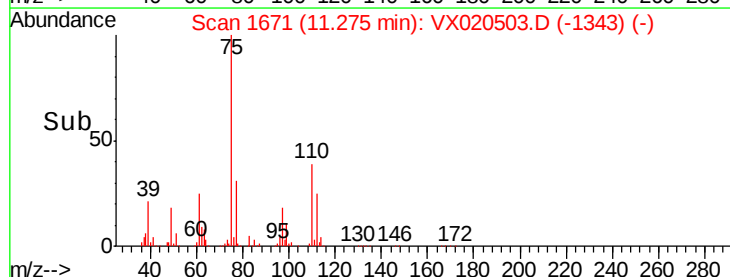
110 39.6 32.1 48.1

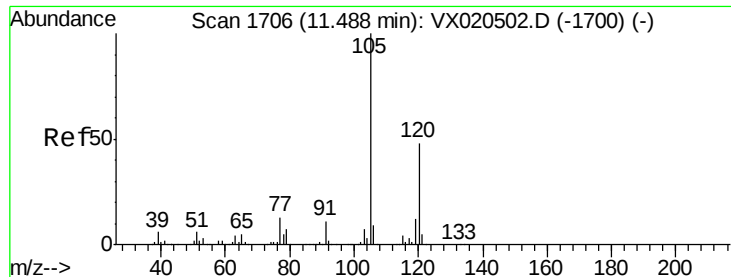


Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 110.00 (109.70 to 110.70): V





#62

1,3,5-Trimethylbenzene

Concen: 10.962 ug/L

RT: 11.49 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VX020503.D

Acq: 05 Jan 2021 17:19

Instrument :

MSVOA_X

ClientSampled :

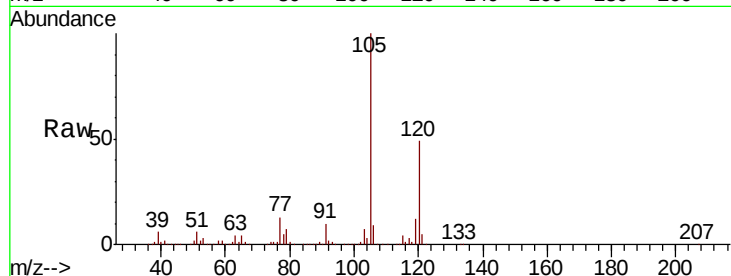
VSTD010305

Tot Ion:105 Resp: 571202

Ion Ratio Lower Upper

105 100

120 48.0 38.8 58.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.49

500000

400000

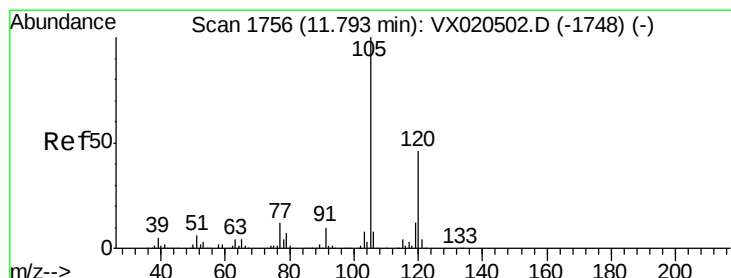
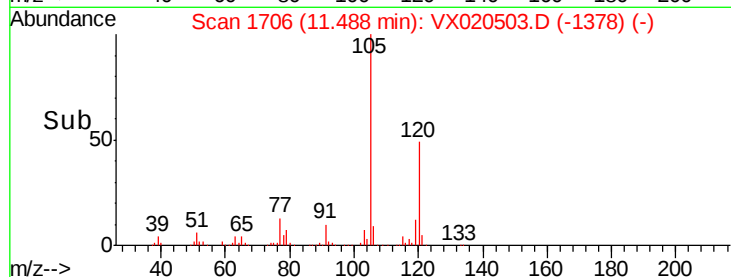
300000

200000

100000

0

Time--> 11.40 11.50 11.60



#63

1,2,4-Trimethylbenzene

Concen: 10.589 ug/L

RT: 11.79 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VX020503.D

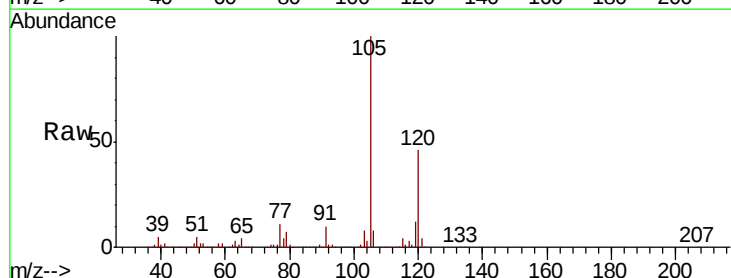
Acq: 05 Jan 2021 17:19

Tgt Ion:105 Resp: 560112

Ion Ratio Lower Upper

105 100

120 45.5 36.5 54.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.79

500000

400000

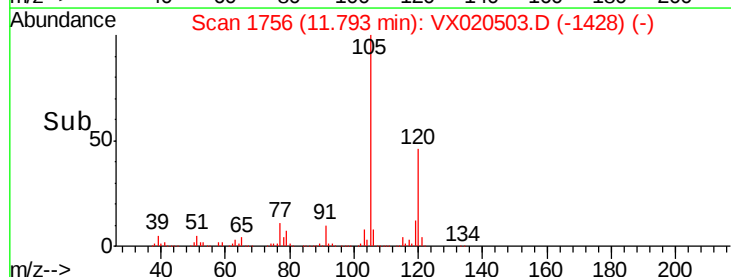
300000

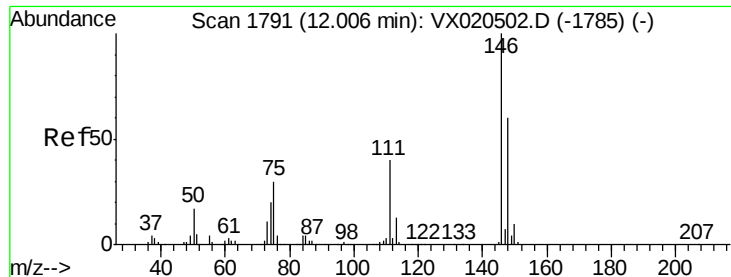
200000

100000

0

Time--> 11.70 11.80 11.90

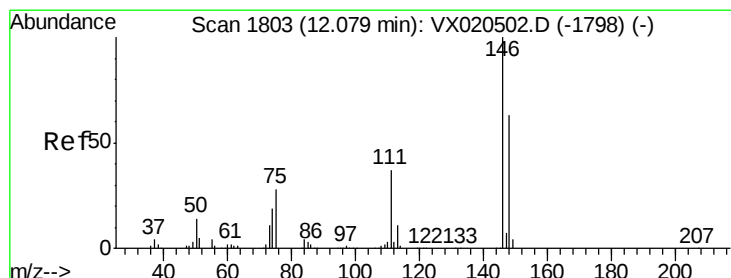
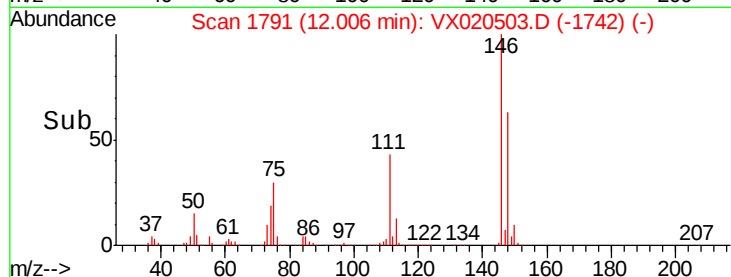
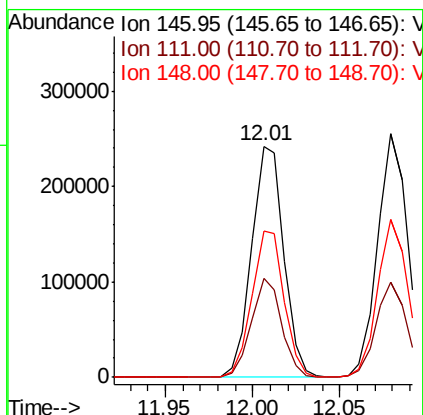
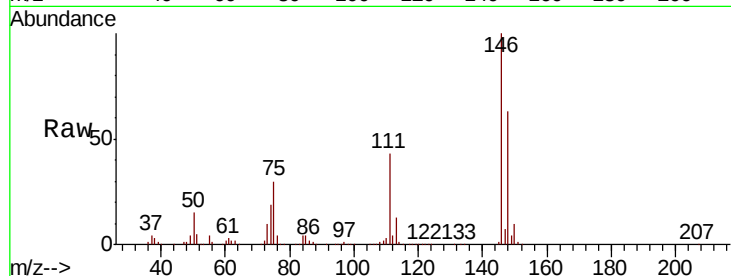




#64
 1,3-Dichlorobenzene
 Concen: 10.954 ug/L
 RT: 12.01 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX020503.D
 Acq: 05 Jan 2021 17:19

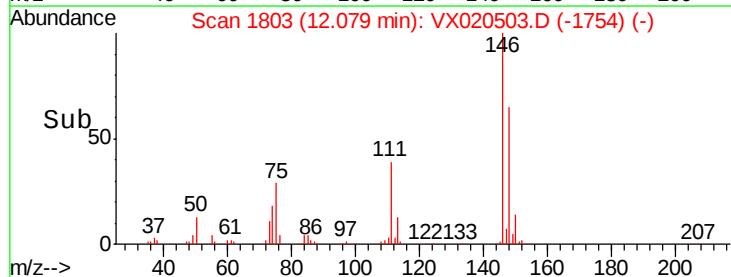
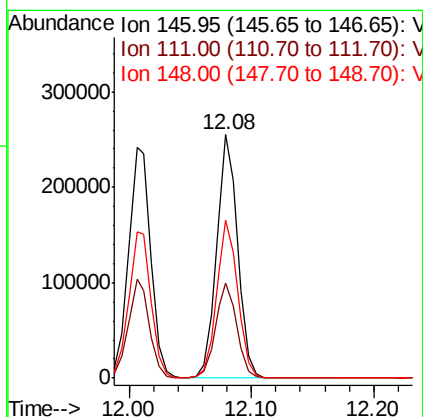
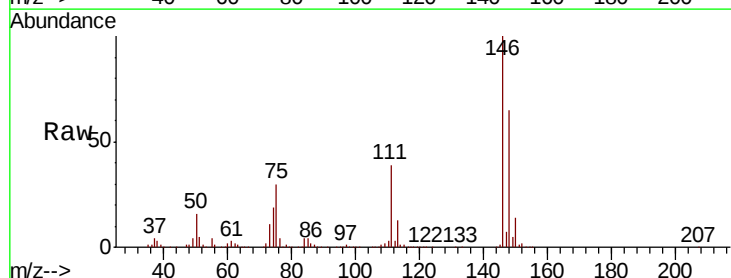
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD010305

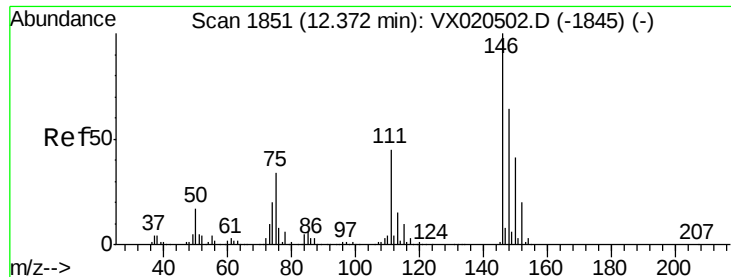
Tot Ion:146 Resp: 309232
 Ion Ratio Lower Upper
 146 100
 111 42.9 28.2 52.4
 148 63.0 41.7 77.5



#65
 1,4-Dichlorobenzene
 Concen: 10.770 ug/L
 RT: 12.08 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VX020503.D
 Acq: 05 Jan 2021 17:19

Tgt Ion:146 Resp: 306015
 Ion Ratio Lower Upper
 146 100
 111 39.1 26.2 48.8
 148 64.6 44.1 81.9

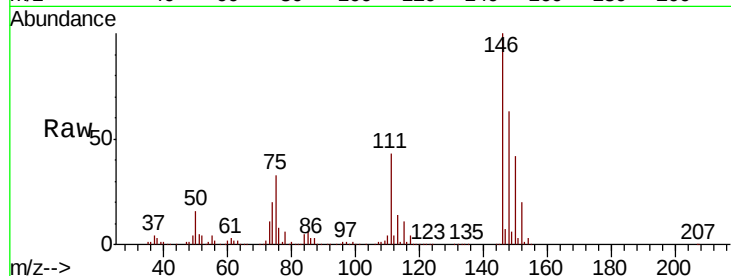




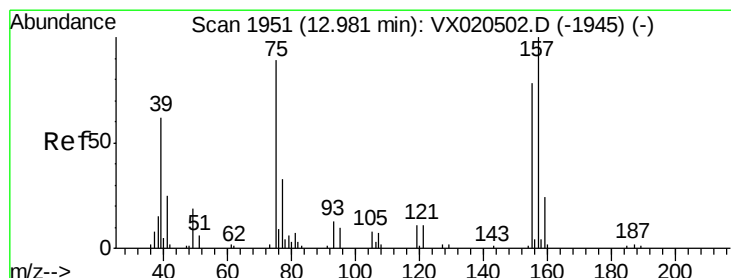
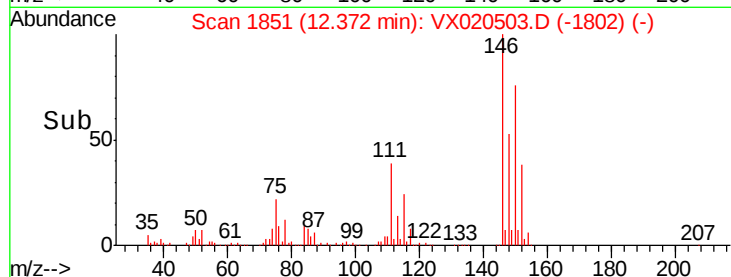
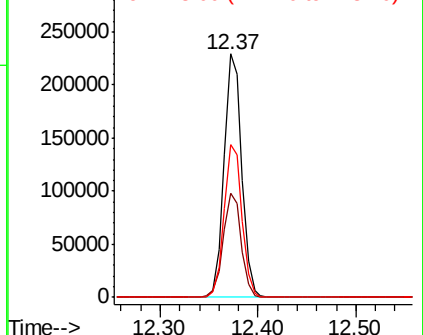
#67
 1,2-Dichlorobenzene
 Concen: 10.993 ug/L
 RT: 12.37 min Scan# 1851
 Delta R.T. 0.00 min
 Lab File: VX020503.D
 Acq: 05 Jan 2021 17:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD010305

Tot Ion:146 Resp: 285605
 Ion Ratio Lower Upper
 146 100
 111 42.7 36.3 54.5
 148 62.9 51.5 77.3

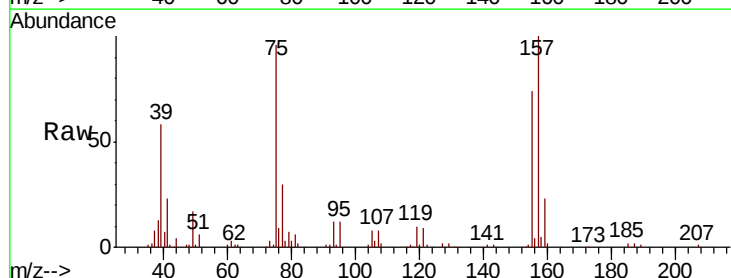


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

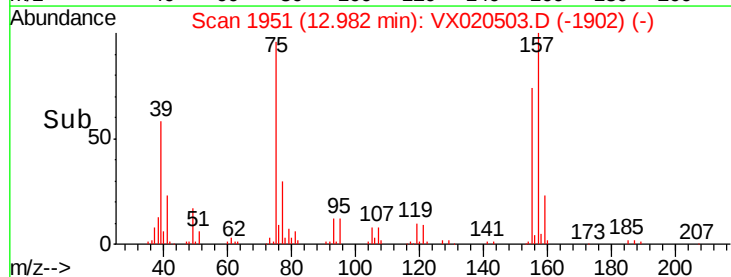
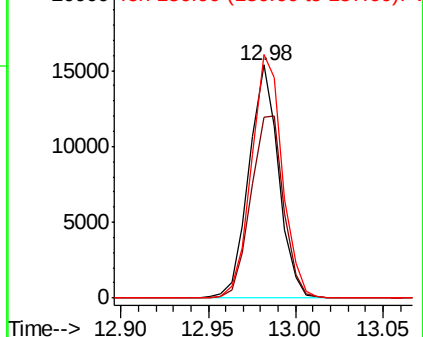


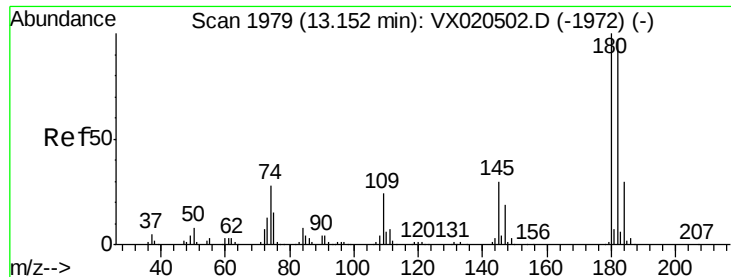
#68
 1,2-Dibromo-3-chloropropane
 Concen: 10.413 ug/L
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX020503.D
 Acq: 05 Jan 2021 17:19

Tgt Ion: 75 Resp: 18162
 Ion Ratio Lower Upper
 75 100
 155 77.4 69.8 104.8
 157 104.5 90.0 135.0



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

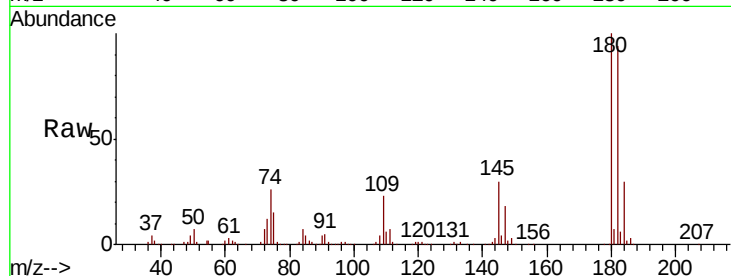




#69
 1,3,5-Trichlorobenzene
 Concen: 11.892 ug/L
 RT: 13.15 min Scan# 1979
 Delta R.T. 0.00 min
 Lab File: VX020503.D
 Acq: 05 Jan 2021 17:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD010305

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	77.0	115.4
184	30.5	24.6	36.8
145	29.7	23.6	35.4



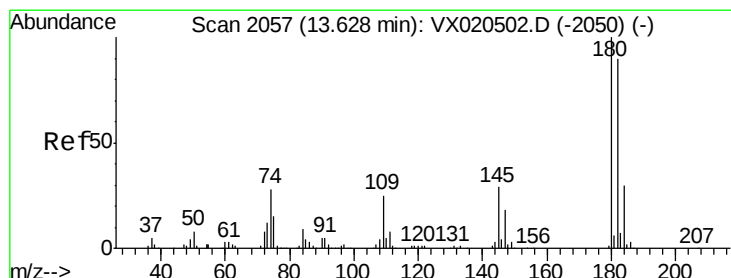
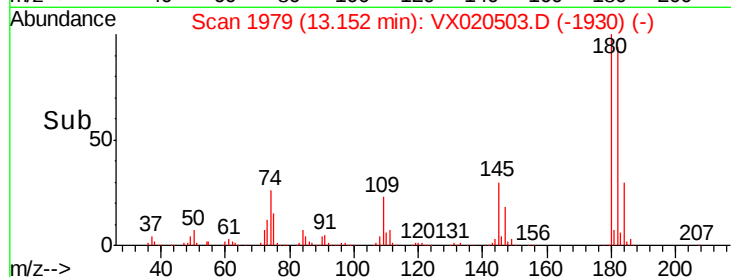
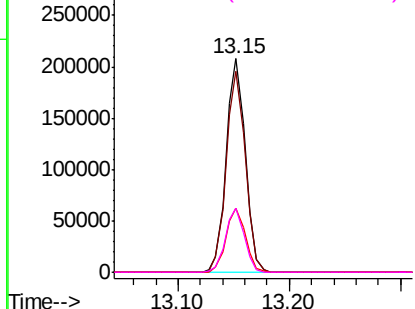
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

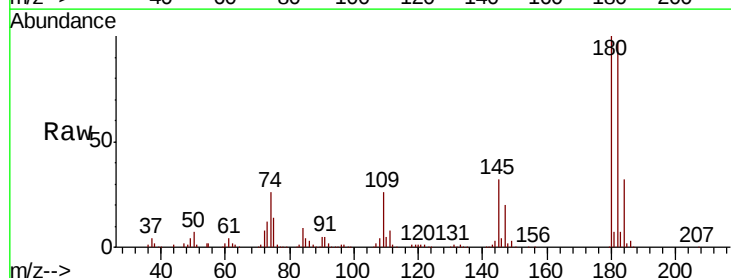
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 10.946 ug/L
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX020503.D
 Acq: 05 Jan 2021 17:19

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.6	74.3	111.5
145	31.6	24.1	36.1

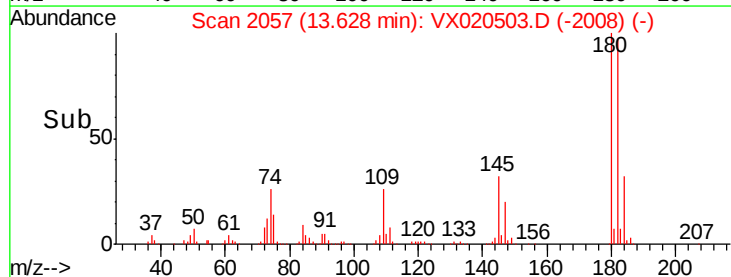
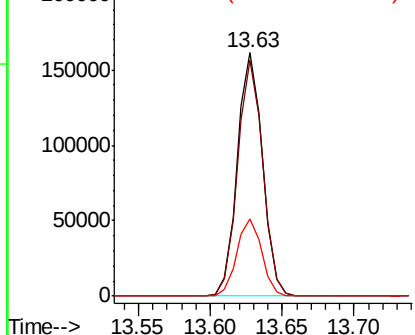


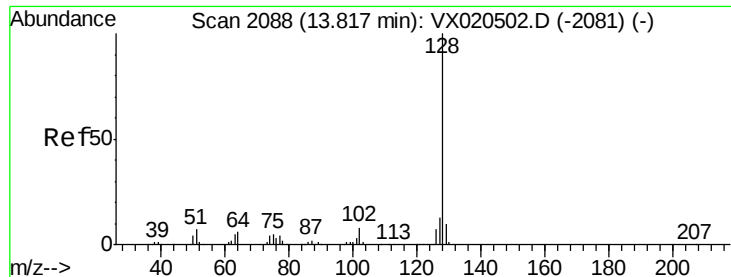
Abundance

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

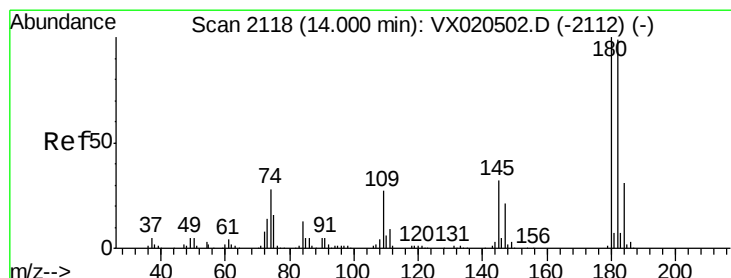
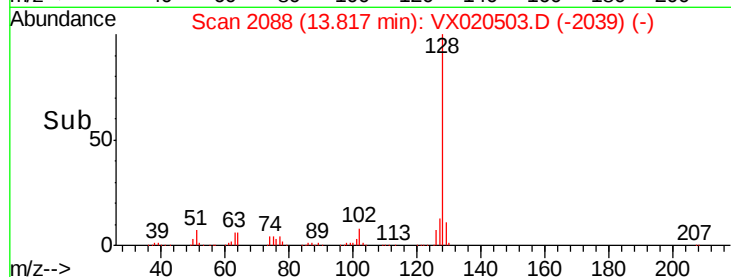
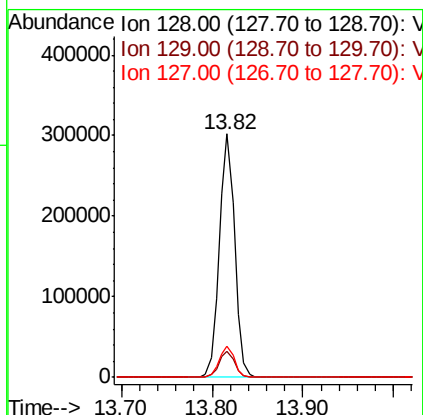
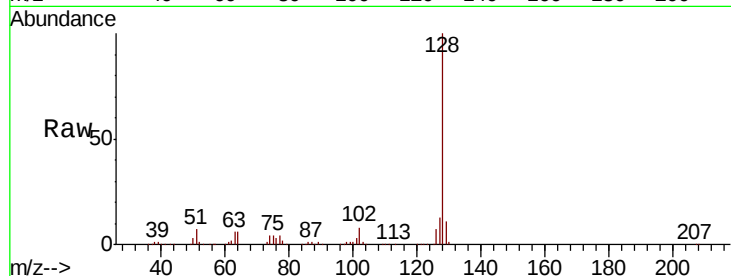




#71
Naphthalene
Concen: 11.362 ug/L
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX020503.D
Acq: 05 Jan 2021 17:19

Instrument :
MSVOA_X
ClientSampleId :
VSTD010305

Tot Ion:128 Resp: 356805
Ion Ratio Lower Upper
128 100
129 10.8 8.4 12.6
127 12.7 10.1 15.1



#72
1,2,3-Trichlorobenzene
Concen: 11.862 ug/L
RT: 14.00 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VX020503.D
Acq: 05 Jan 2021 17:19

Tgt Ion:180 Resp: 189292
Ion Ratio Lower Upper
180 100
182 93.9 79.3 118.9
145 32.6 26.5 39.7

