

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VO072220\
 Data File : VX017479.D
 Acq On : 22 Jul 2020 20:44
 Operator : JC/SP
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD00564

Quant Time: Jul 23 03:04:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR072120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jul 23 02:59:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	462102	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	414289	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	216125	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	145990	4.06	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.20%
7) Chloroethane-d5	1.69	69	107260	4.32	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.40%
11) 1,1-Dichloroethene-d2	2.34	63	301365	4.38	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.60%
20) 2-Butanone-d5	4.54	46	326211	48.58	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.16%
24) Chloroform-d	5.14	84	268836	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.60%
26) 1,2-Dichloroethane-d4	6.03	65	135116	3.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.60%
32) Benzene-d6	6.04	84	509857	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.40%
36) 1,2-Dichloropropane-d6	7.37	67	156785	5.24	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.80%
41) Toluene-d8	8.70	98	492387	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.40%
45) trans-1,3-Dichloropropene-	8.99	79	69969	5.33	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	106.60%
48) 2-Hexanone-d5	9.43	63	258302	55.54	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.08%
59) 1,1,2,2-Tetrachloroethane-	11.23	84	105570	4.53	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.60%
65) 1,2-Dichlorobenzene-d4	12.36	152	185934	5.08	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	258774	5.093	ug/L 100
3) Chloromethane	1.31	50	207594	4.393	ug/L 99
5) Vinyl chloride	1.39	62	210647	4.673	ug/L 100
6) Bromomethane	1.63	94	113007	4.616	ug/L 95
8) Chloroethane	1.71	64	116623	4.715	ug/L 97
9) Trichlorofluoromethane	1.92	101	304632	4.706	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.37	101	175658	5.000	ug/L 98
12) 1,1-Dichloroethene	2.36	96	157915	4.830	ug/L 94
13) Acetone	2.42	43	253677	46.824	ug/L 100
14) Carbon disulfide	2.55	76	509051	4.589	ug/L 99
15) Methyl Acetate	2.75	43	65582	4.158	ug/L 95
16) Methylene chloride	2.83	84	171511	3.818	ug/L 91
17) Methyl tert-butyl Ether	3.17	73	385541	4.951	ug/L 99
18) trans-1,2-Dichloroethene	3.14	96	165004	4.740	ug/L 96
19) 1,1-Dichloroethane	3.67	63	307822	5.022	ug/L 98
21) 2-Butanone	4.64	43	410132	47.523	ug/L 100
22) cis-1,2-Dichloroethene	4.57	96	181811	5.285	ug/L # 97

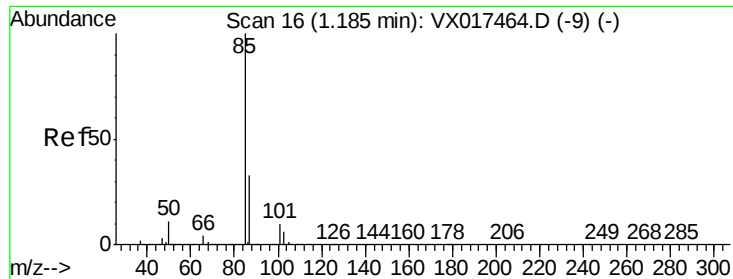
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072220\
 Data File : VX017479.D
 Acq On : 22 Jul 2020 20:44
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Quant Time: Jul 23 03:04:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR072120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jul 23 02:59:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.98	128	80269	4.839	ug/L	94
25) Chloroform	5.18	83	309095	4.802	ug/L	97
27) 1,2-Dichloroethane	6.16	62	205173	4.955	ug/L	97
29) 1,1,1-Trichloroethane	5.46	97	299877	5.388	ug/L	98
30) Cyclohexane	5.55	56	284270	6.320	ug/L	98
31) Carbon tetrachloride	5.76	117	267029	5.325	ug/L	95
33) Benzene	6.11	78	717088	5.878	ug/L	100
34) Trichloroethene	7.19	95	180165	5.473	ug/L	96
35) Methylcyclohexane	7.44	83	280891	6.306	ug/L	96
37) 1,2-Dichloropropane	7.49	63	162160	5.286	ug/L	99
38) Bromodichloromethane	7.88	83	221849	5.399	ug/L	96
39) cis-1,3-Dichloropropene	8.42	75	245738	5.546	ug/L	94
40) 4-Methyl-2-pentanone	8.62	43	1020069	56.865	ug/L #	96
42) Toluene	8.76	91	709446	5.799	ug/L	99
43) 1,3,5-Trimethylbenzene	11.49	105	672486	5.900	ug/L	99
44) 1,2,4-Trimethylbenzene	11.79	105	658283	5.833	ug/L	100
46) trans-1,3-Dichloropropene	9.02	75	220347	5.774	ug/L	96
47) 1,1,2-Trichloroethane	9.20	97	115649	5.510	ug/L	96
49) Tetrachloroethene	9.32	164	148241	5.543	ug/L	96
50) 2-Hexanone	9.47	43	704487	53.802	ug/L #	87
51) Dibromochloromethane	9.56	129	146947	5.093	ug/L	99
52) 1,2-Dibromoethane	9.65	107	110990	5.336	ug/L	97
53) Chlorobenzene	10.12	112	451423	5.423	ug/L	98
54) Ethylbenzene	10.24	91	786923	5.931	ug/L	98
55) m,p-xylene	10.34	106	316154	5.968	ug/L	96
56) o-xylene	10.68	106	288849	5.621	ug/L	100
57) Styrene	10.70	104	479688	5.605	ug/L	99
58) Isopropylbenzene	11.00	105	768188	5.785	ug/L	99
60) 1,1,1,2-Tetrachloroethane	11.25	83	126431	5.062	ug/L	92
62) Bromoform	10.84	173	85531	4.941	ug/L	99
63) 1,3-Dichlorobenzene	12.01	146	365899	5.260	ug/L	93
64) 1,4-Dichlorobenzene	12.08	146	375584	5.484	ug/L	97
66) 1,2-Dichlorobenzene	12.38	146	367169	5.698	ug/L	96
67) 1,2-Dibromo-3-chloropropan	12.98	75	27378	4.827	ug/L	97
68) 1,3,5-Trichlorobenzene	13.15	180	342102	5.838	ug/L	98
69) 1,2,4-trichlorobenzene	13.63	180	247198	5.773	ug/L	99
70) Naphthalene	13.82	128	441785	5.880	ug/L	99
71) 1,2,3-Trichlorobenzene	14.00	180	230427	5.820	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 5.093 ug/L

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX017479.D

Acq: 22 Jul 2020 20:44

Instrument :

MSVOA_X

ClientSampleId :

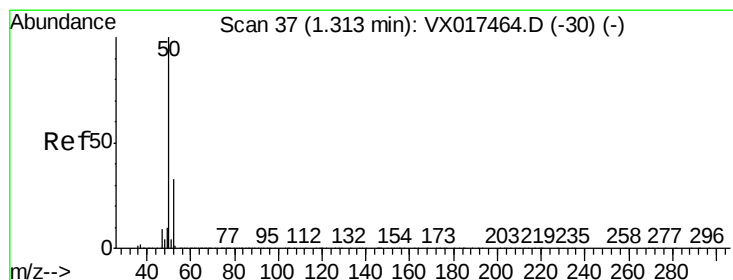
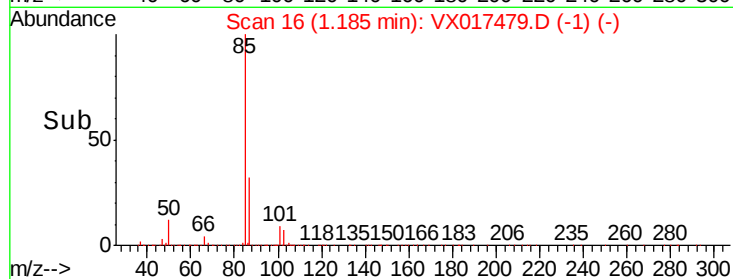
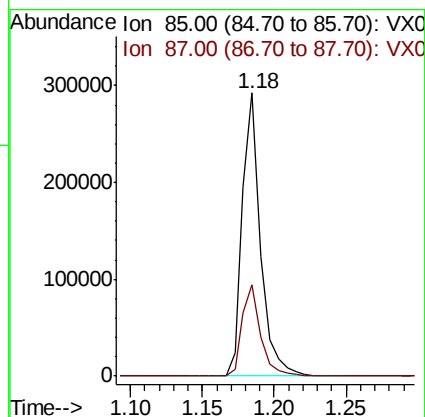
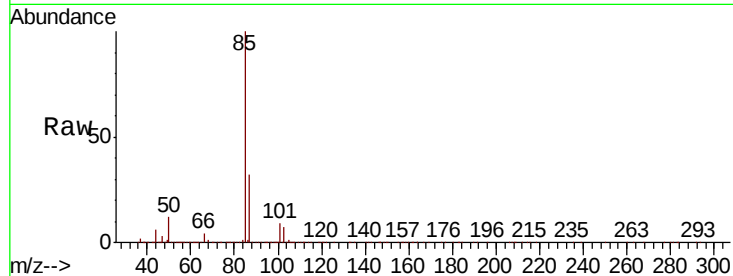
VSTD00564

Tot Ion: 85 Resp: 258774

Ion Ratio Lower Upper

85 100

87 32.8 26.1 39.1



#3

Chloromethane

Concen: 4.393 ug/L

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX017479.D

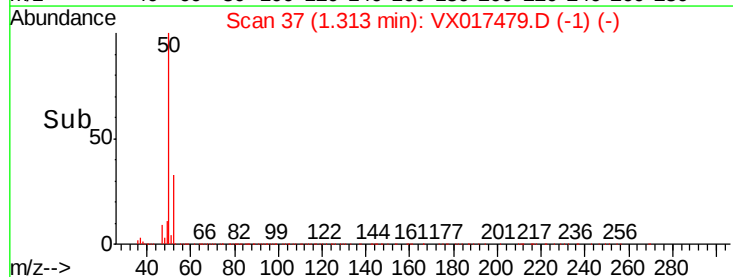
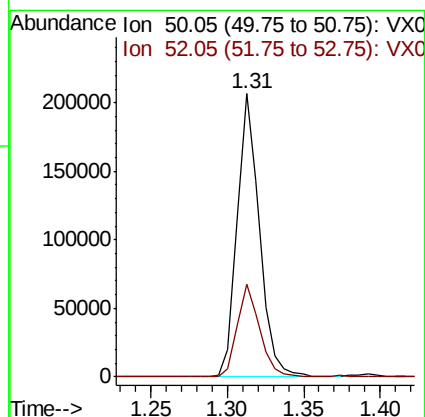
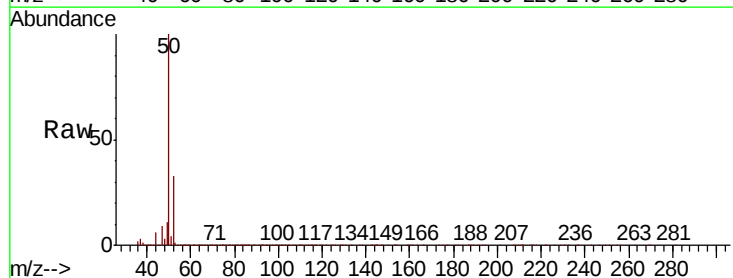
Acq: 22 Jul 2020 20:44

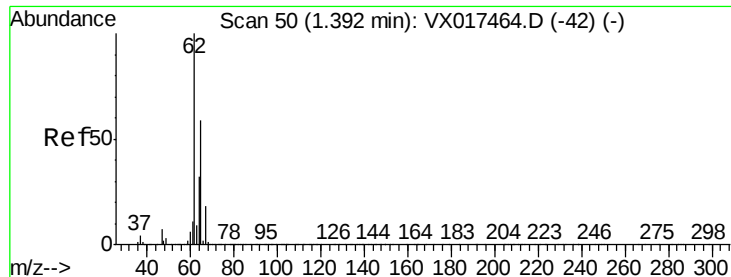
Tgt Ion: 50 Resp: 207594

Ion Ratio Lower Upper

50 100

52 32.9 23.2 43.2





#5

Vinyl chloride

Concen: 4.673 ug/L

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX017479.D

Acq: 22 Jul 2020 20:44

Instrument :

MSVOA_X

ClientSampleId :

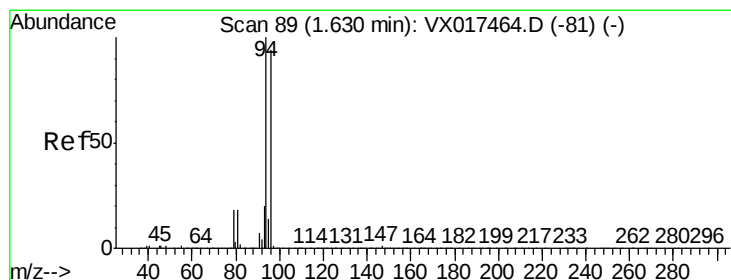
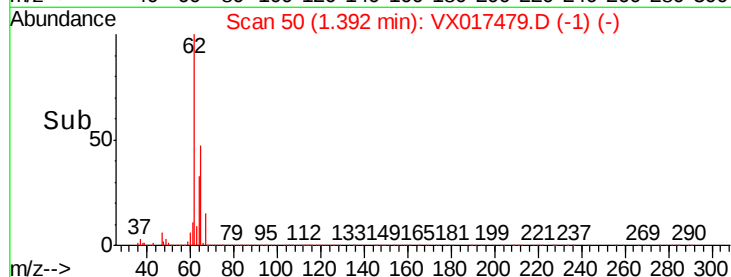
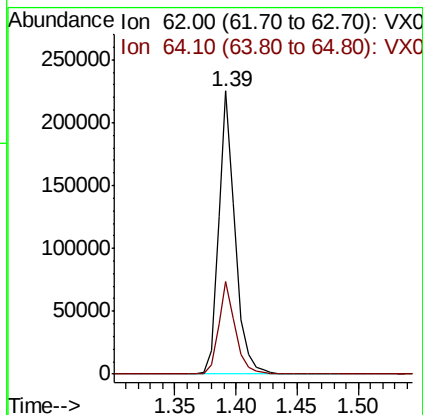
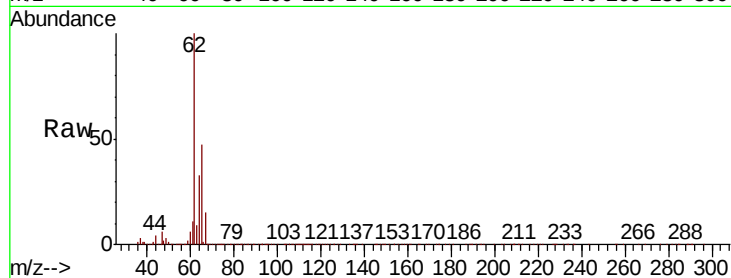
VSTD00564

Tot Ion: 62 Resp: 210647

Ion Ratio Lower Upper

62 100

64 32.9 23.2 43.2



#6

Bromomethane

Concen: 4.616 ug/L

RT: 1.63 min Scan# 89

Delta R.T. 0.00 min

Lab File: VX017479.D

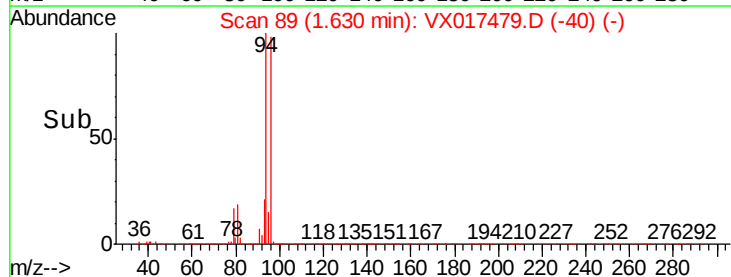
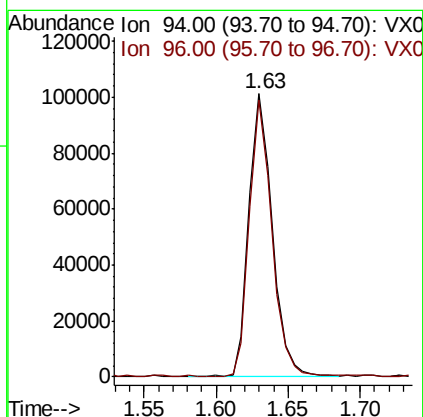
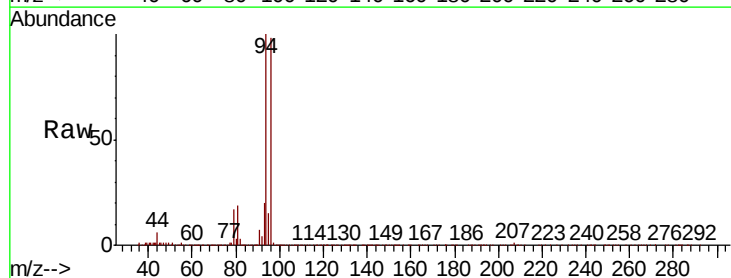
Acq: 22 Jul 2020 20:44

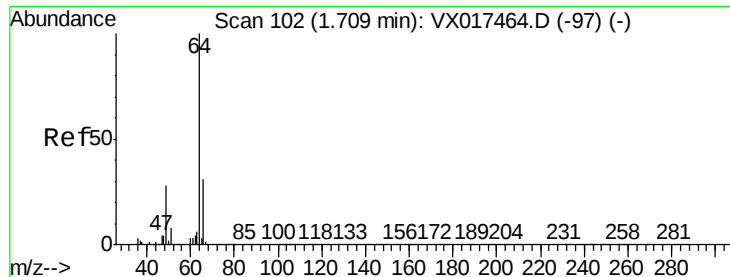
Tgt Ion: 94 Resp: 113007

Ion Ratio Lower Upper

94 100

96 97.8 64.8 120.4

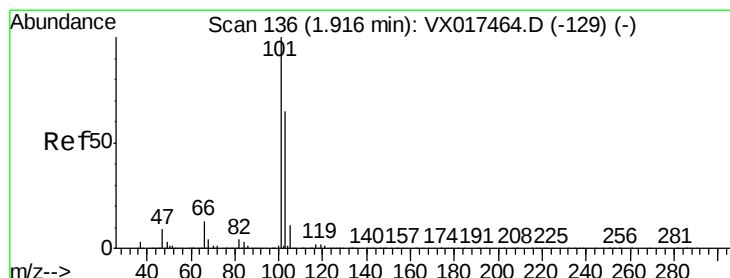
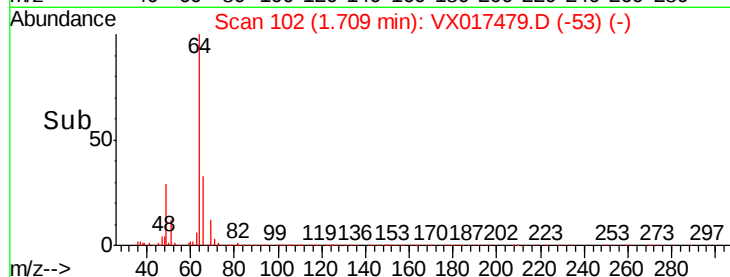
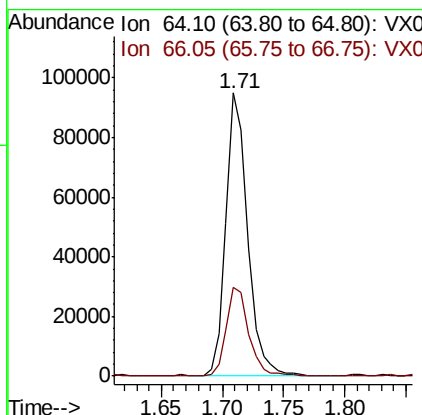
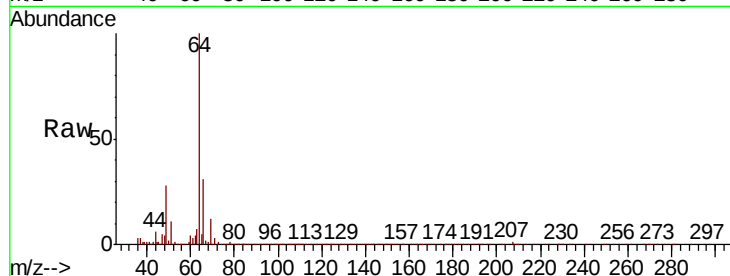




#8
Chloroethane
Concen: 4.715 ug/L
RT: 1.71 min Scan# 102
Delta R.T. 0.00 min
Lab File: VX017479.D
Acq: 22 Jul 2020 20:44

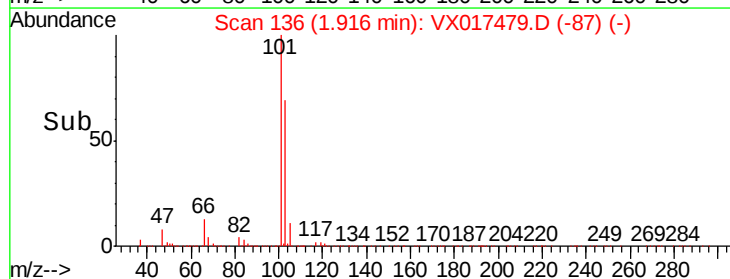
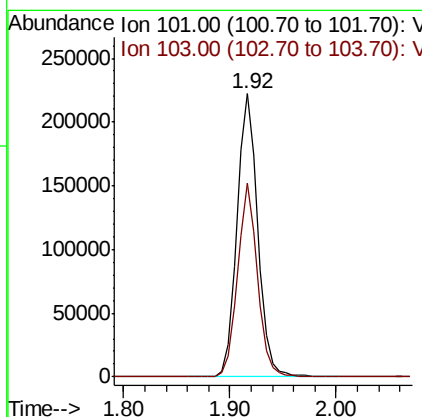
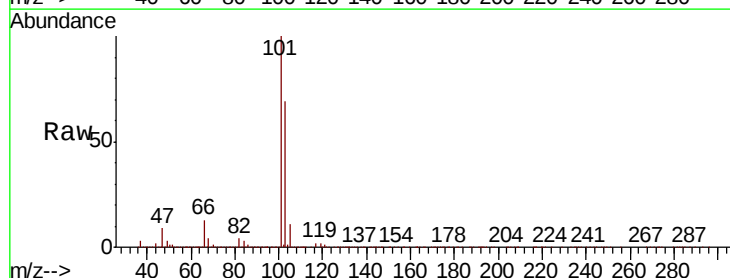
Instrument :
MSVOA_X
ClientSampled :
VSTD00564

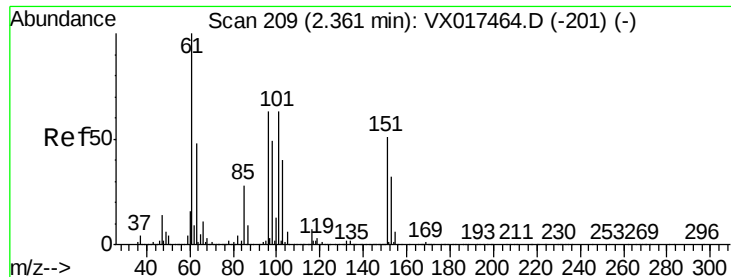
Tot Ion: 64 Resp: 116623
Ion Ratio Lower Upper
64 100
66 31.4 23.1 42.9



#9
Trichlorofluoromethane
Concen: 4.706 ug/L
RT: 1.92 min Scan# 136
Delta R.T. 0.00 min
Lab File: VX017479.D
Acq: 22 Jul 2020 20:44

Tgt Ion: 101 Resp: 304632
Ion Ratio Lower Upper
101 100
103 65.5 51.4 77.2





#10

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

Concen: 5.000 ug/L

RT: 2.37 min Scan# 210

Delta R.T. 0.01 min

Lab File: VX017479.D

Acq: 22 Jul 2020 20:44

Instrument :

MSVOA_X

ClientSampleId :

VSTD00564

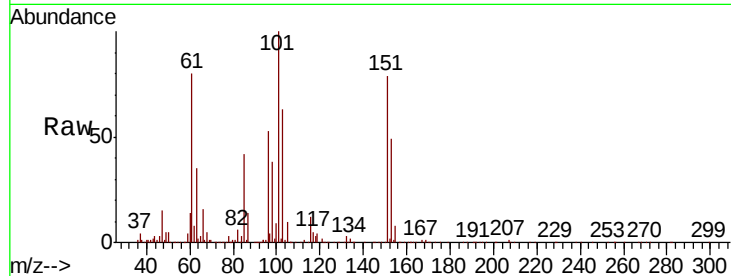
Tot Ion:101 Resp: 175658

Ion Ratio Lower Upper

101 100

85 41.7 35.3 52.9

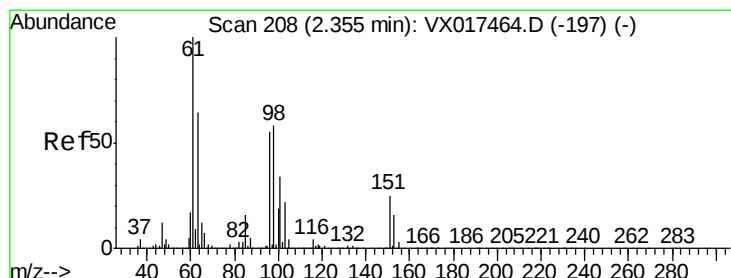
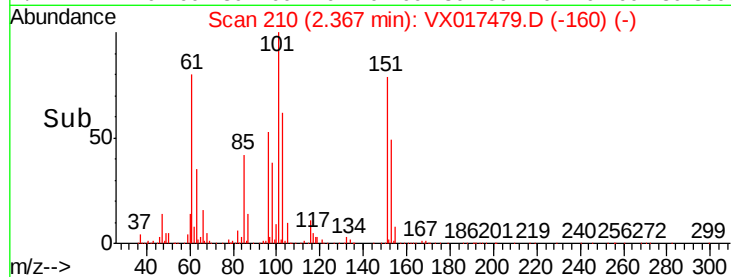
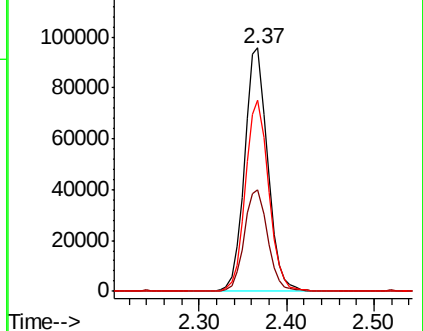
151 78.7 62.3 93.5



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: 4.830 ug/L

RT: 2.36 min Scan# 208

Delta R.T. 0.00 min

Lab File: VX017479.D

Acq: 22 Jul 2020 20:44

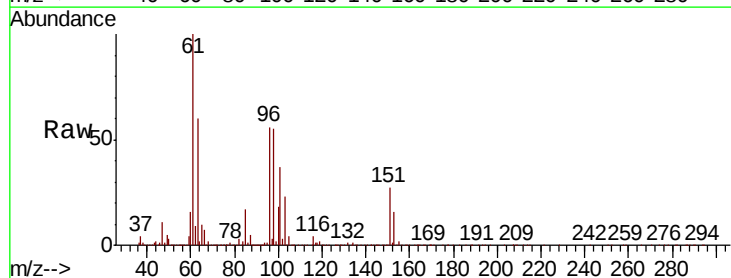
Tgt Ion: 96 Resp: 157915

Ion Ratio Lower Upper

96 100

61 178.5 126.5 234.9

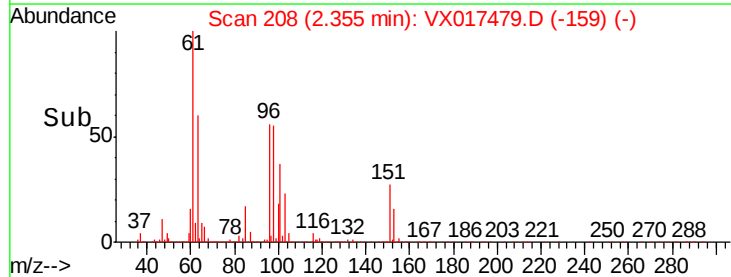
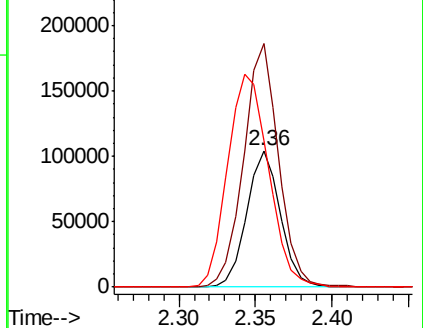
63 106.9 85.6 159.0

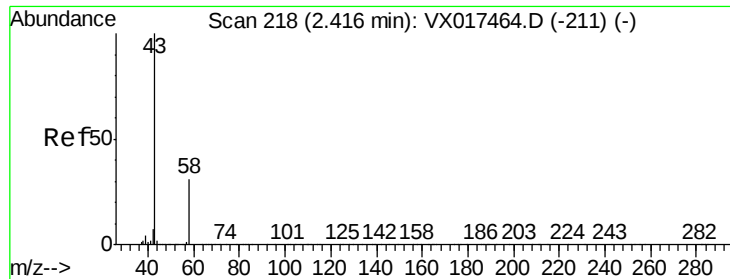


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.05 (60.75 to 61.75): VX0

Ion 63.00 (62.70 to 63.70): VX0





#13

Acetone

Concen: 46.824 ug/L

RT: 2.42 min Scan# 219

Delta R.T. 0.01 min

Lab File: VX017479.D

Acq: 22 Jul 2020 20:44

Instrument :

MSVOA_X

ClientSampleId :

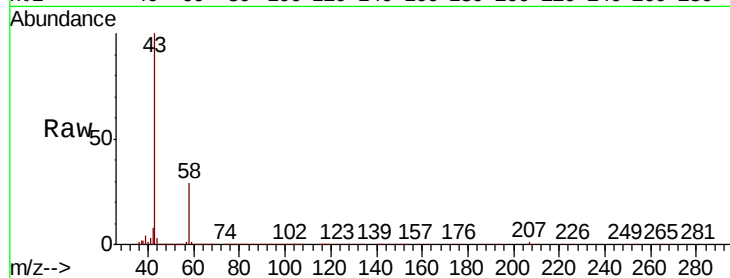
VSTD00564

Tot Ion: 43 Resp: 253677

Ion Ratio Lower Upper

43 100

58 29.5 0.0 58.6



Abundance Ion 43.05 (42.75 to 43.75): VX0

Ion 58.05 (57.75 to 58.75): VX0

2.42

150000

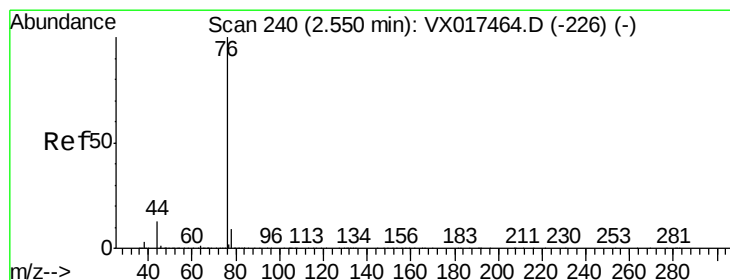
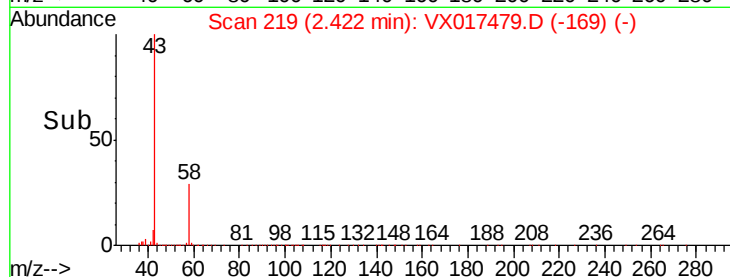
100000

50000

0

Time-->

2.35 2.40 2.45 2.50



#14

Carbon disulfide

Concen: 4.589 ug/L

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX017479.D

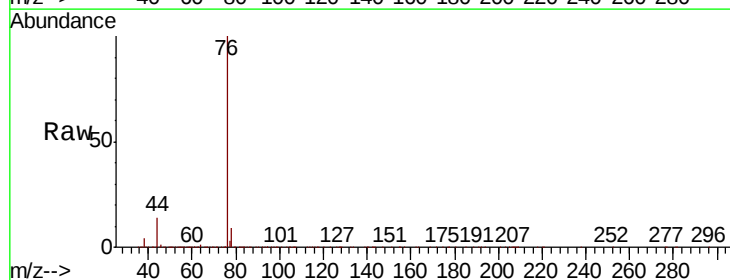
Acq: 22 Jul 2020 20:44

Tgt Ion: 76 Resp: 509051

Ion Ratio Lower Upper

76 100

78 9.5 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VX0

Ion 78.00 (77.70 to 78.70): VX0

2.55

300000

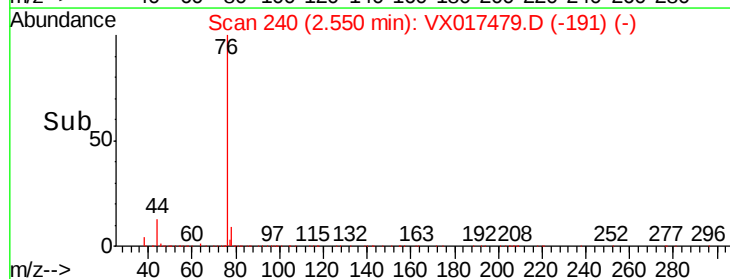
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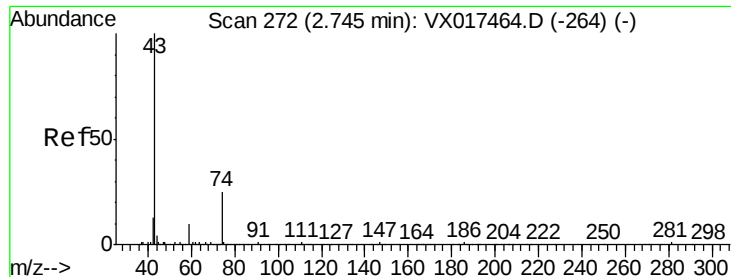
100000

0

Time-->

2.50 2.60 2.70





#15

Methyl Acetate

Concen: 4.158 ug/L

RT: 2.75 min Scan# 273

Delta R.T. 0.01 min

Lab File: VX017479.D

Acq: 22 Jul 2020 20:44

Instrument :

MSVOA_X

ClientSampleId :

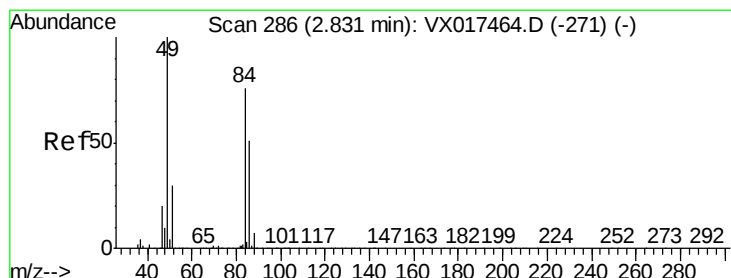
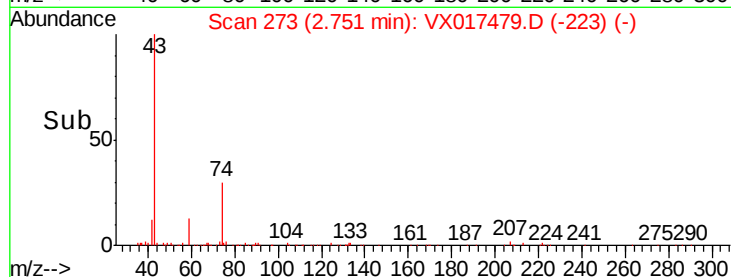
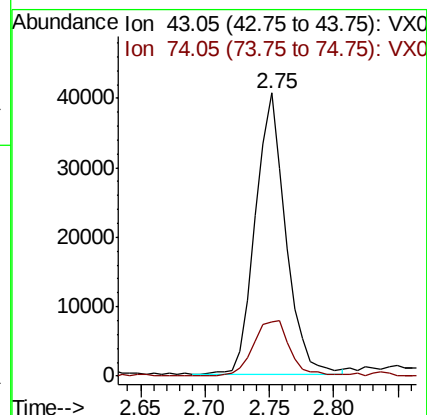
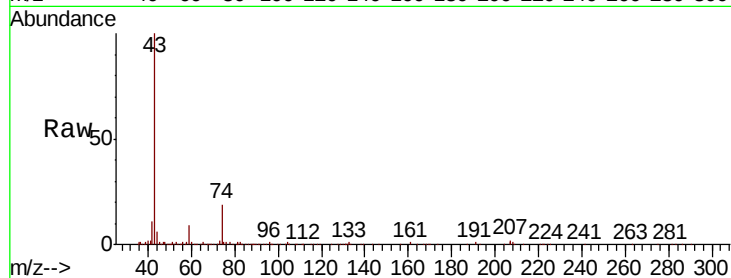
VSTD00564

Tot Ion: 43 Resp: 65582

Ion Ratio Lower Upper

43 100

74 24.3 17.6 26.4



#16

Methylene chloride

Concen: 3.818 ug/L

RT: 2.83 min Scan# 286

Delta R.T. 0.00 min

Lab File: VX017479.D

Acq: 22 Jul 2020 20:44

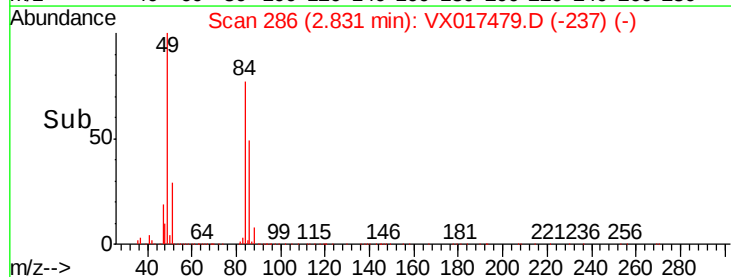
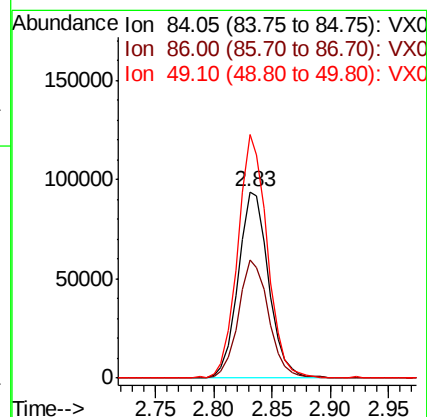
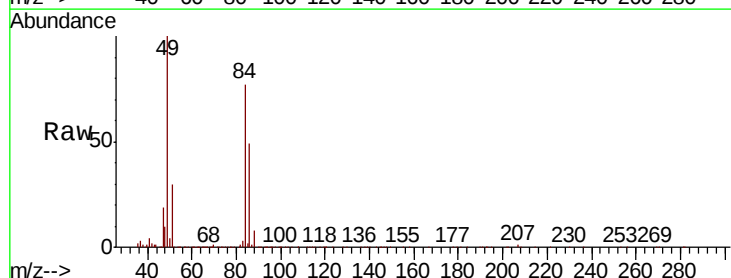
Tgt Ion: 84 Resp: 171511

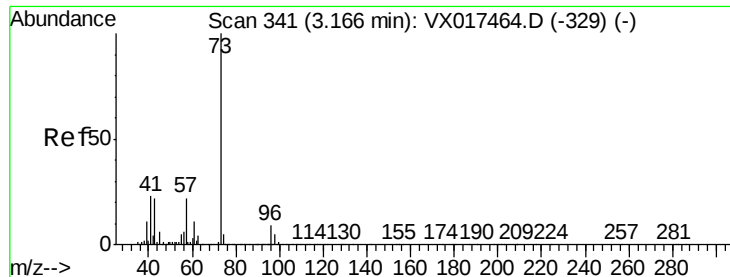
Ion Ratio Lower Upper

84 100

86 63.5 44.8 83.2

49 130.7 81.0 150.4

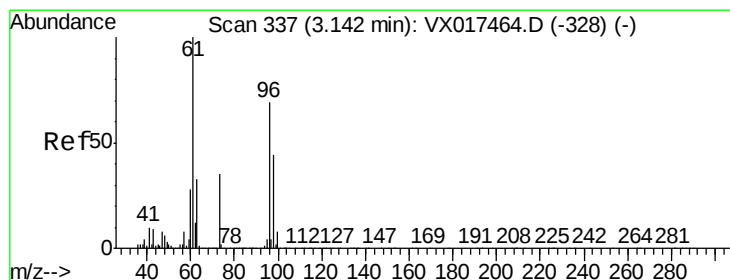
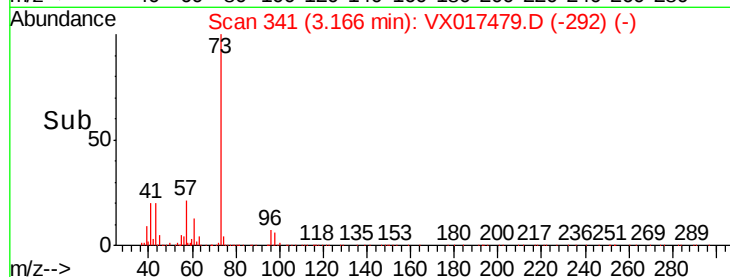
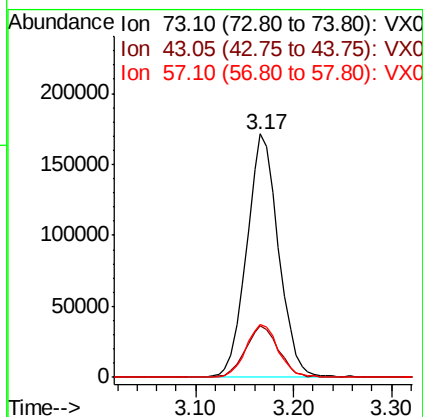
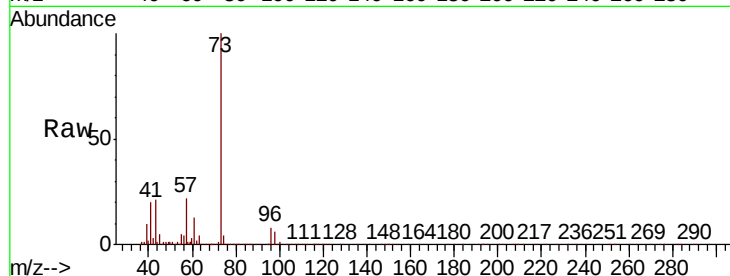




#17
Methvl tert-butvl Ether
Concen: 4.951 ug/L
RT: 3.17 min Scan# 341
Delta R.T. 0.00 min
Lab File: VX017479.D
Acq: 22 Jul 2020 20:44

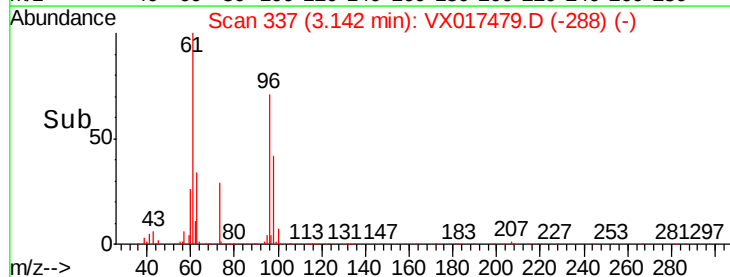
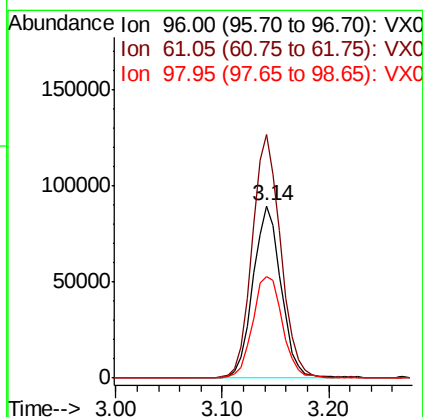
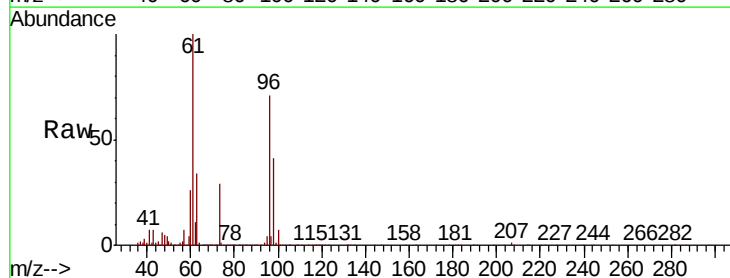
Instrument :
MSVOA_X
ClientSampleId :
VSTD00564

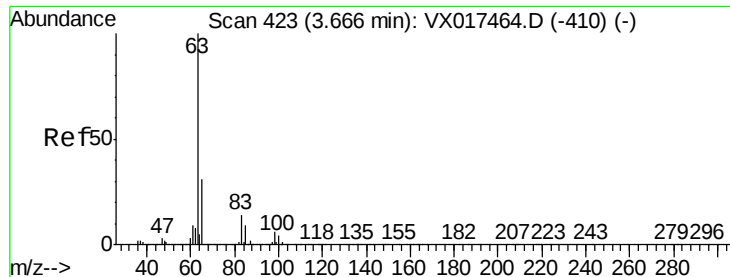
Tot Ion	Ratio	Lower	Upper
73	100		
43	21.5	17.8	26.6
57	21.8	17.8	26.8



#18
trans-1,2-Dichloroethene
Concen: 4.740 ug/L
RT: 3.14 min Scan# 337
Delta R.T. 0.00 min
Lab File: VX017479.D
Acq: 22 Jul 2020 20:44

Tgt Ion	Ratio	Lower	Upper
96	100		
61	141.2	99.8	185.4
98	58.6	46.4	86.2





#19

1,1-Dichloroethane

Concen: 5.022 ug/L

RT: 3.67 min Scan# 424

Delta R.T. 0.01 min

Lab File: VX017479.D

Acq: 22 Jul 2020 20:44

Instrument :

MSVOA_X

ClientSampleId :

VSTD00564

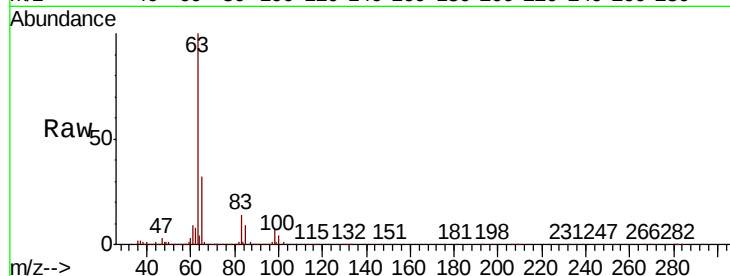
Tot Ion: 63 Resp: 307822

Ion Ratio Lower Upper

63 100

65 32.2 23.2 43.2

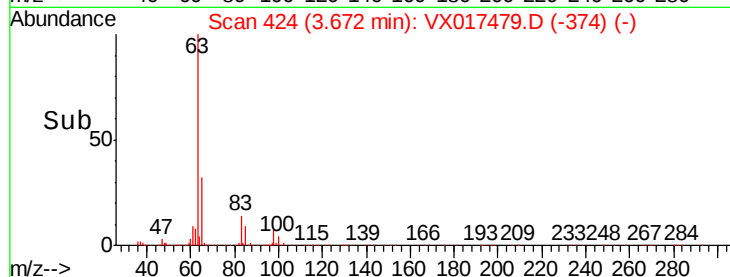
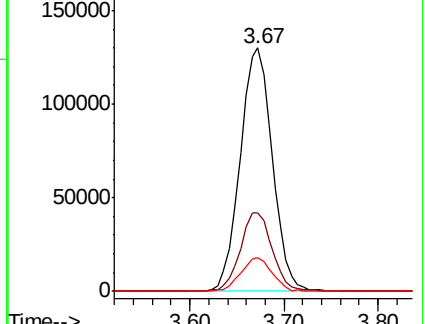
83 13.8 9.4 17.4



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: 47.523 ug/L

RT: 4.64 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX017479.D

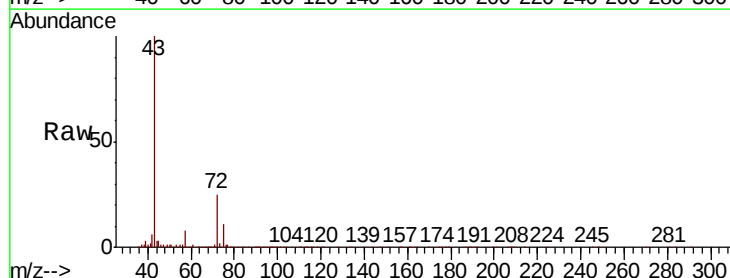
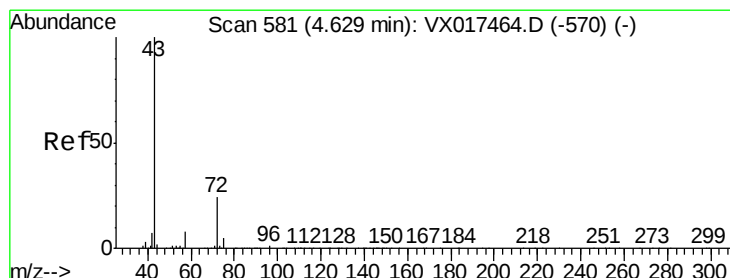
Acq: 22 Jul 2020 20:44

Tgt Ion: 43 Resp: 410132

Ion Ratio Lower Upper

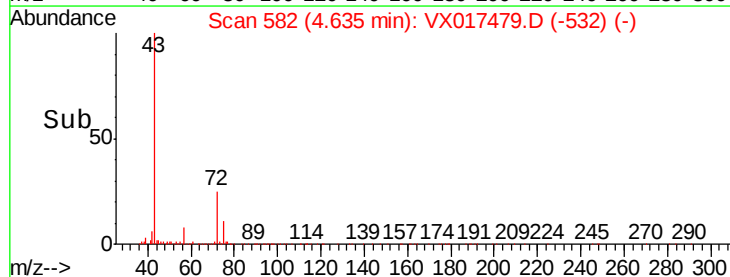
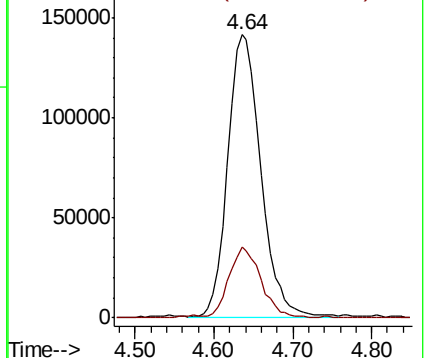
43 100

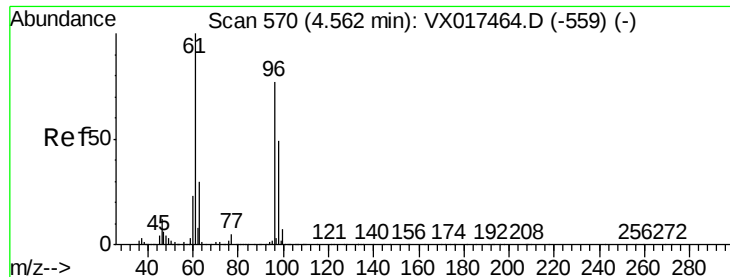
72 24.0 12.1 36.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



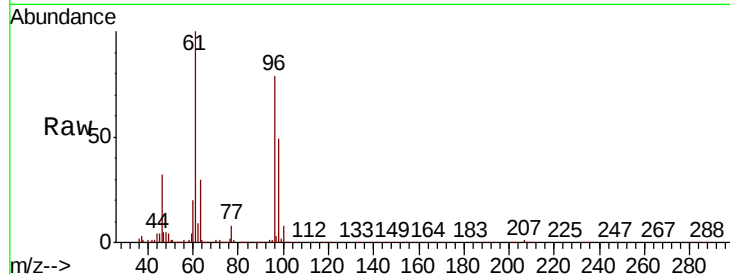


#22

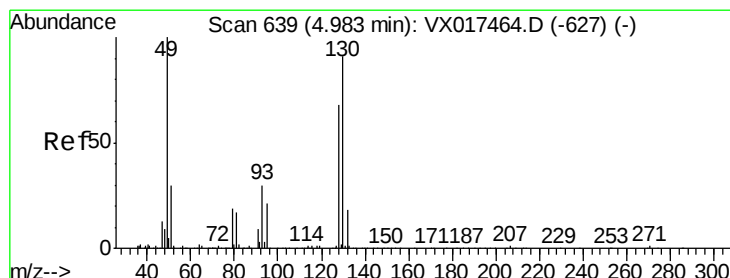
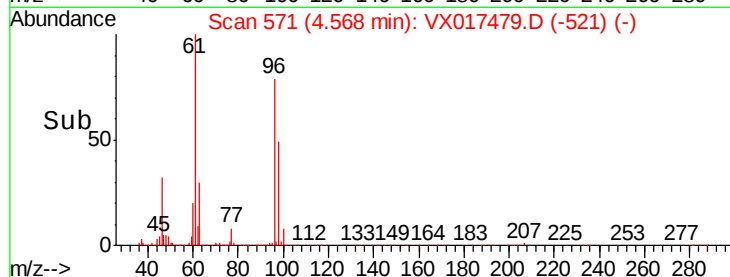
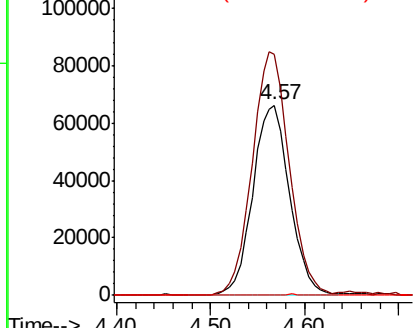
cis-1,2-Dichloroethene
Concen: 5.285 ug/L
RT: 4.57 min Scan# 571
Delta R.T. 0.01 min
Lab File: VX017479.D
Acq: 22 Jul 2020 20:44

Instrument :
MSVOA_X
ClientSampled :
VSTD00564

Tot Ion: 96 Resp: 181811
Ion Ratio Lower Upper
96 100
61 127.1 91.6 170.2
68 0.2 0.0 0.0#



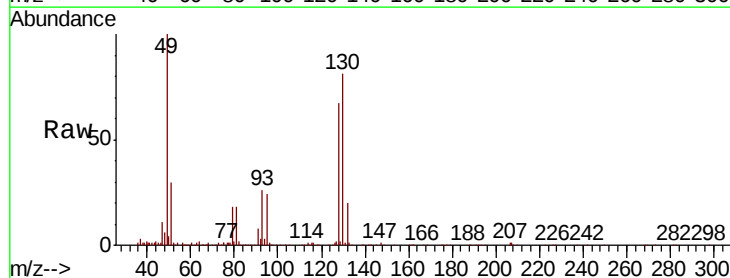
Abundance Ion 96.00 (95.70 to 96.70): VX0
Ion 61.05 (60.75 to 61.75): VX0
Ion 68.15 (67.85 to 68.85): VX0



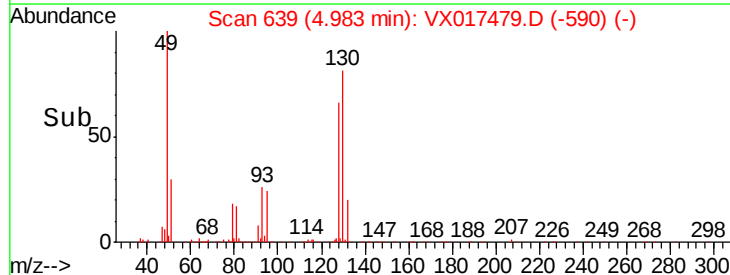
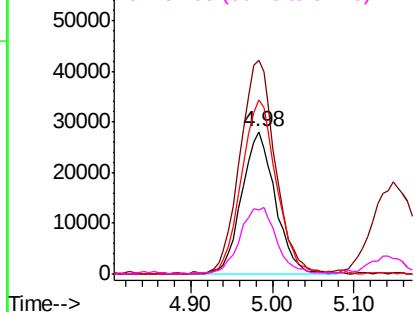
#23

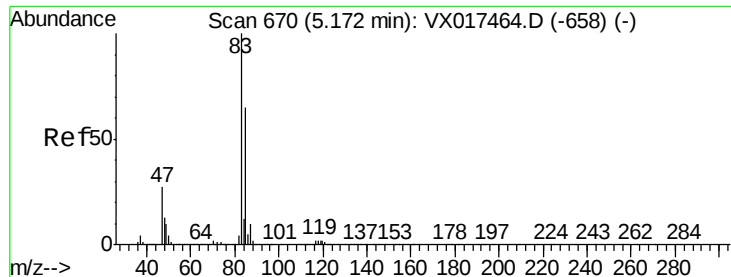
Bromochloromethane
Concen: 4.839 ug/L
RT: 4.98 min Scan# 639
Delta R.T. 0.00 min
Lab File: VX017479.D
Acq: 22 Jul 2020 20:44

Tgt Ion: 128 Resp: 80269
Ion Ratio Lower Upper
128 100
49 150.0 113.3 210.3
130 122.3 87.3 162.1
51 45.3 39.0 58.6



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





#25

Chloroform

Concen: 4.802 ug/L

RT: 5.18 min Scan# 671

Delta R.T. 0.01 min

Lab File: VX017479.D

Acq: 22 Jul 2020 20:44

Instrument :

MSVOA_X

ClientSampleId :

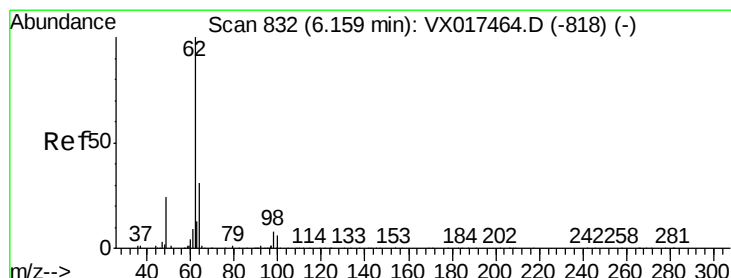
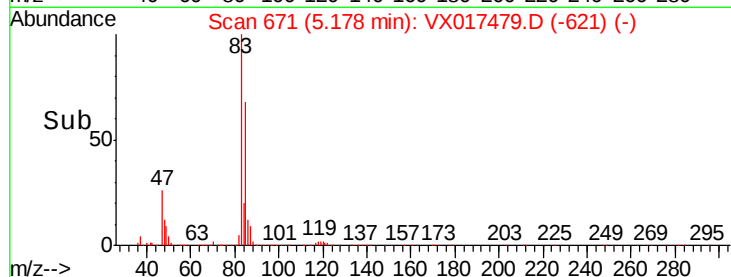
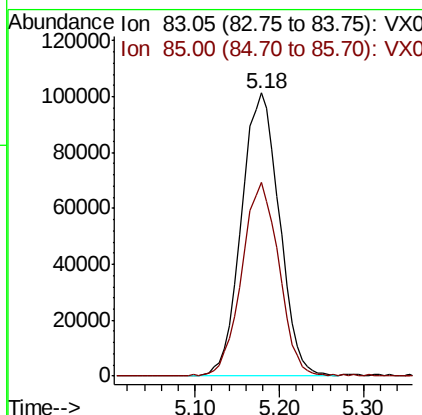
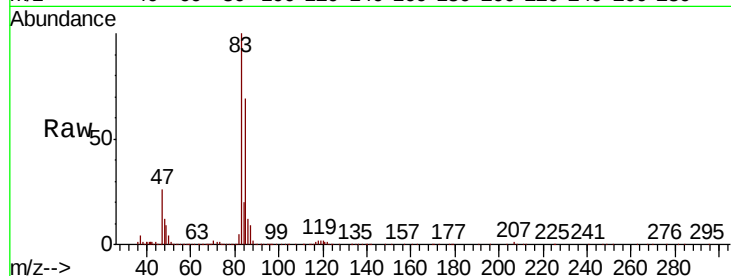
VSTD00564

Tot Ion: 83 Resp: 309095

Ion Ratio Lower Upper

83 100

85 68.5 46.2 85.8



#27

1,2-Dichloroethane

Concen: 4.955 ug/L

RT: 6.16 min Scan# 832

Delta R.T. 0.00 min

Lab File: VX017479.D

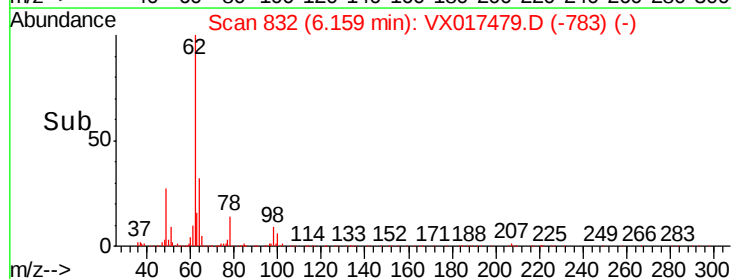
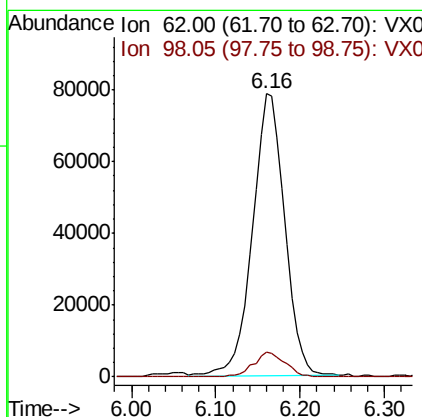
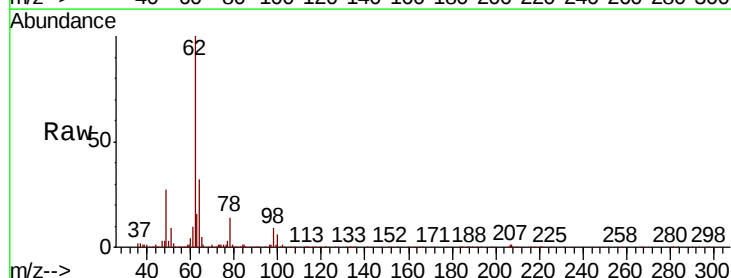
Acq: 22 Jul 2020 20:44

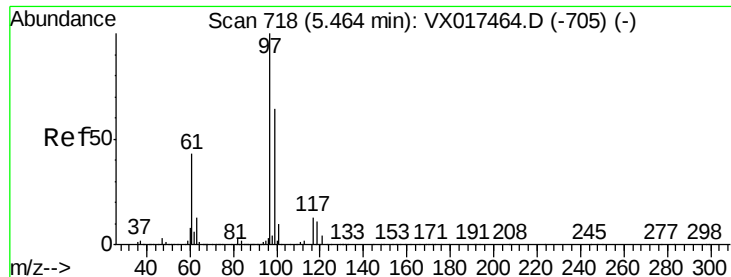
Tgt Ion: 62 Resp: 205173

Ion Ratio Lower Upper

62 100

98 8.6 7.7 11.5

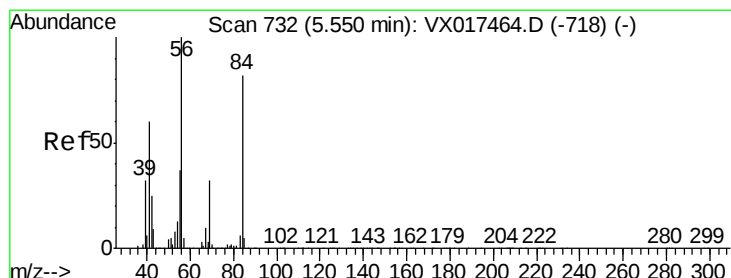
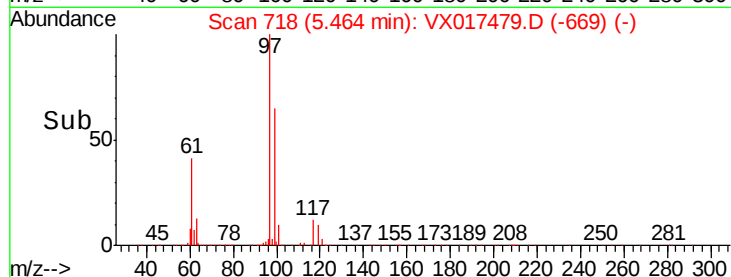
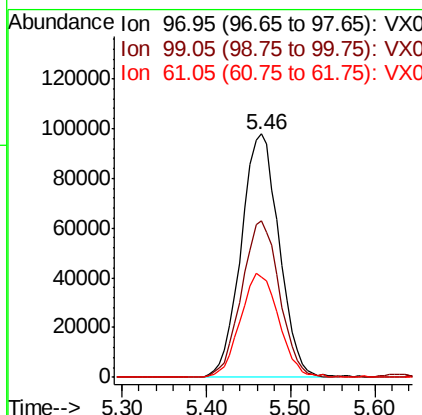
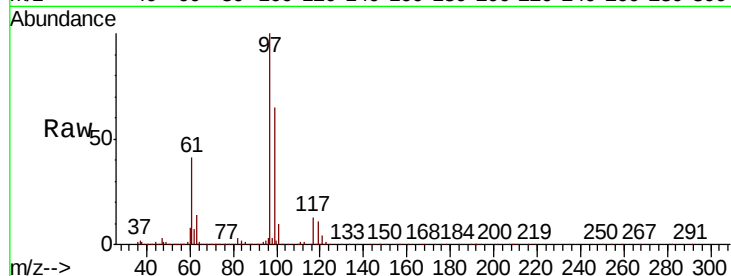




#29
 1,1,1-Trichloroethane
 Concen: 5.388 ug/L
 RT: 5.46 min Scan# 718
 Delta R.T. 0.00 min
 Lab File: VX017479.D
 Acq: 22 Jul 2020 20:44

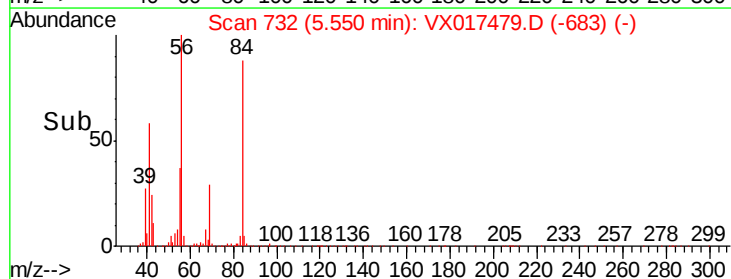
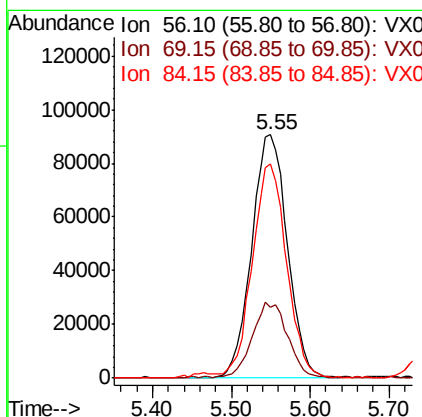
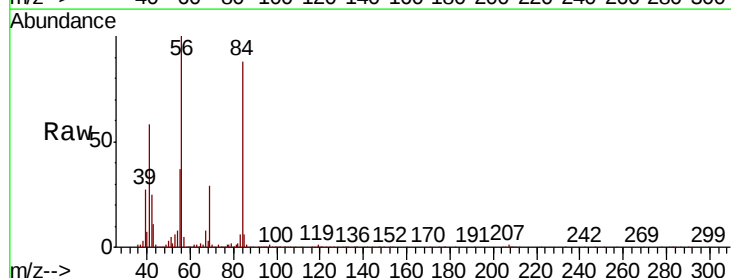
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD00564

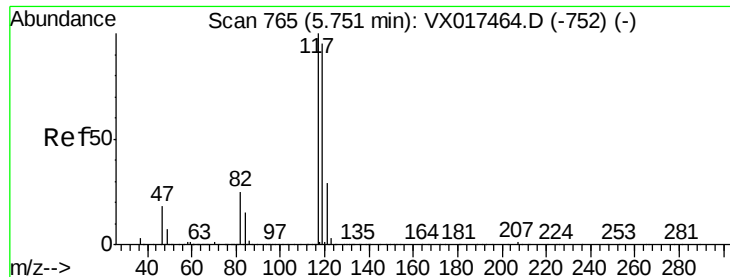
Tot Ion	Ratio	Lower	Upper
97	100		
99	64.1	53.0	79.4
61	43.2	35.2	52.8



#30
 Cyclohexane
 Concen: 6.320 ug/L
 RT: 5.55 min Scan# 732
 Delta R.T. 0.00 min
 Lab File: VX017479.D
 Acq: 22 Jul 2020 20:44

Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.3	25.4	38.2
84	85.1	69.3	103.9





#31

Carbon tetrachloride

Concen: 5.325 ug/L

RT: 5.76 min Scan# 766

Delta R.T. 0.01 min

Lab File: VX017479.D

Acq: 22 Jul 2020 20:44

Instrument :

MSVOA_X

ClientSampleId :

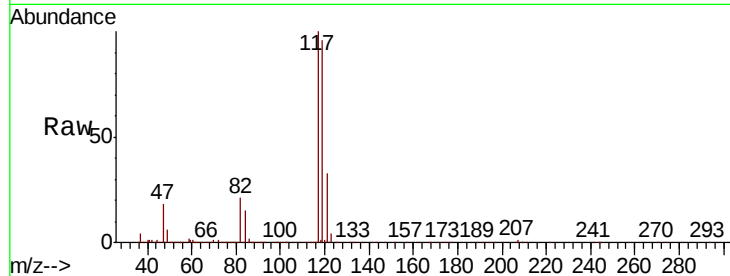
VSTD00564

Tot Ion:117 Resp: 267029

Ion Ratio Lower Upper

117 100

119 93.4 78.5 117.7



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.76

100000

80000

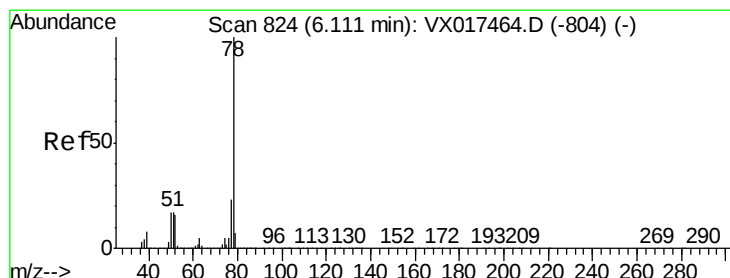
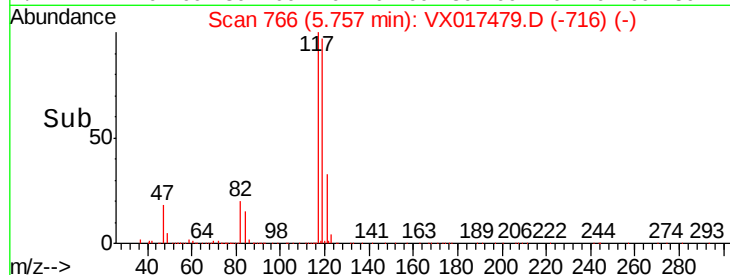
60000

40000

20000

0

Time--> 5.60 5.70 5.80



#33

Benzene

Concen: 5.878 ug/L

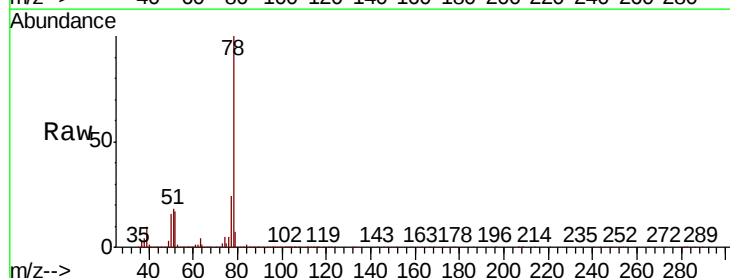
RT: 6.11 min Scan# 824

Delta R.T. 0.00 min

Lab File: VX017479.D

Acq: 22 Jul 2020 20:44

Tgt Ion: 78 Resp: 717088



Abundance Ion 78.10 (77.80 to 78.80): VX0

6.11

300000

250000

200000

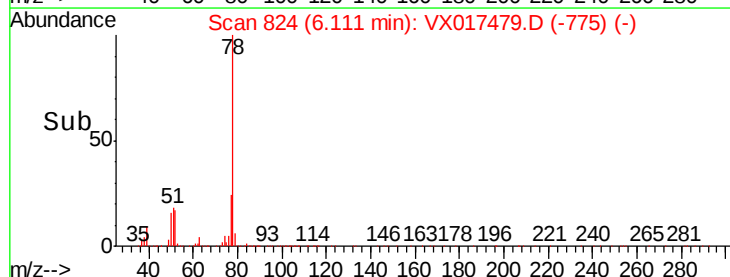
150000

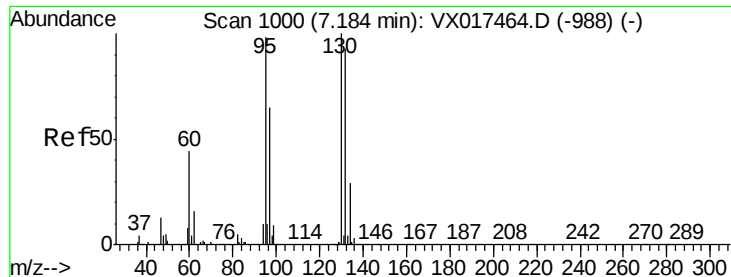
100000

50000

0

Time--> 5.90 6.00 6.10 6.20





#34

Trichloroethene

Concen: 5.473 ug/L

RT: 7.19 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VX017479.D

Acq: 22 Jul 2020 20:44

Instrument :

MSVOA_X

ClientSampled :

VSTD00564

Tot Ion: 95 Resp: 180165

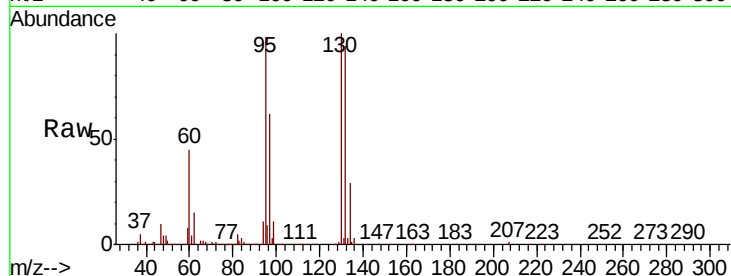
Ion Ratio Lower Upper

95 100

97 63.0 45.9 85.3

132 95.7 65.5 121.7

130 102.3 66.5 123.5

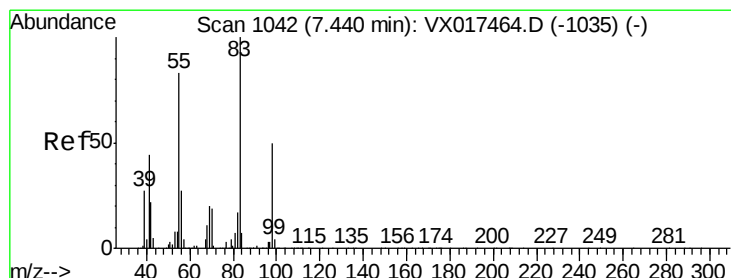
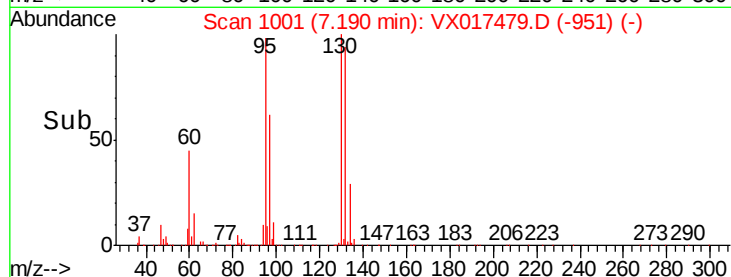
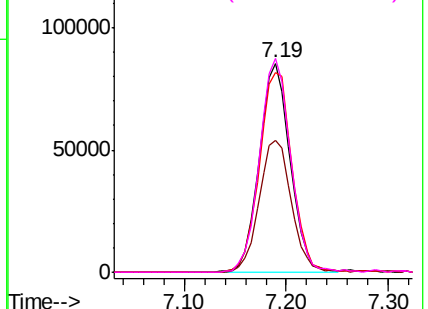


Abundance Ion 95.00 (94.70 to 95.70): VX0

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: 6.306 ug/L

RT: 7.44 min Scan# 1042

Delta R.T. 0.00 min

Lab File: VX017479.D

Acq: 22 Jul 2020 20:44

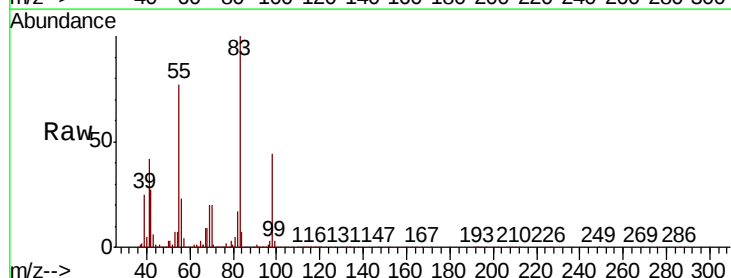
Tgt Ion: 83 Resp: 280891

Ion Ratio Lower Upper

83 100

55 78.6 65.4 98.2

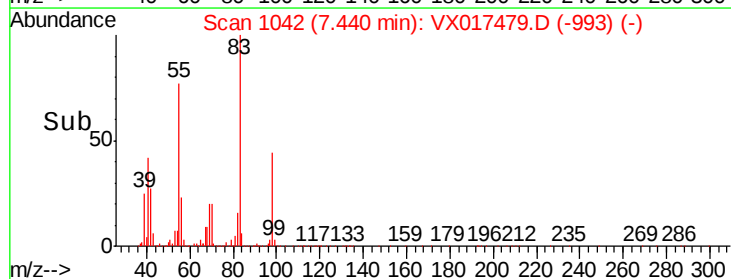
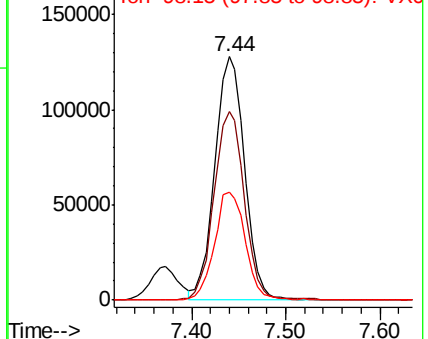
98 45.9 39.8 59.8

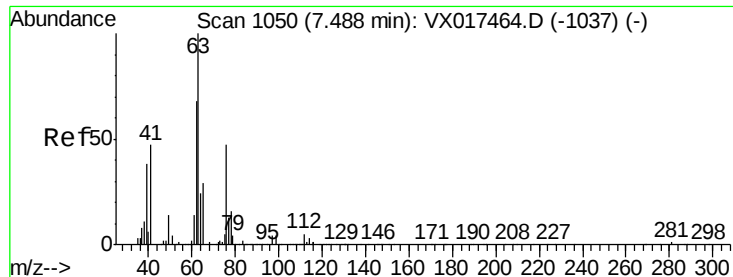


Abundance Ion 83.15 (82.85 to 83.85): VX0

Ion 55.10 (54.80 to 55.80): VX0

Ion 98.15 (97.85 to 98.85): VX0

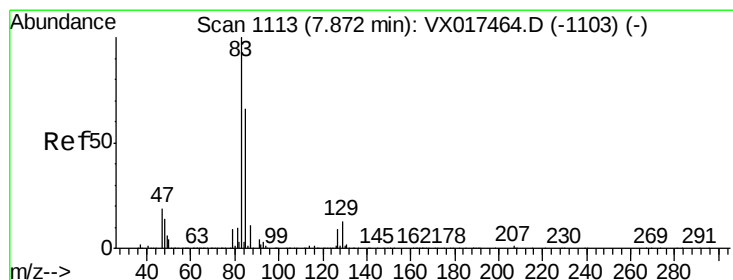
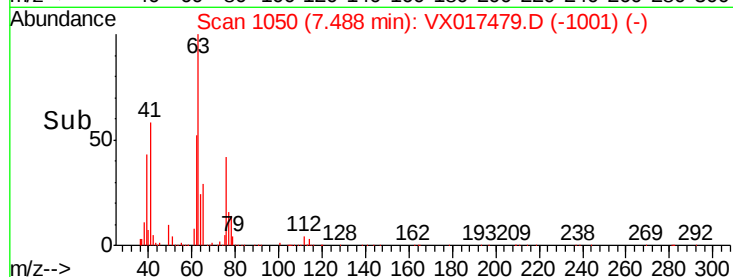
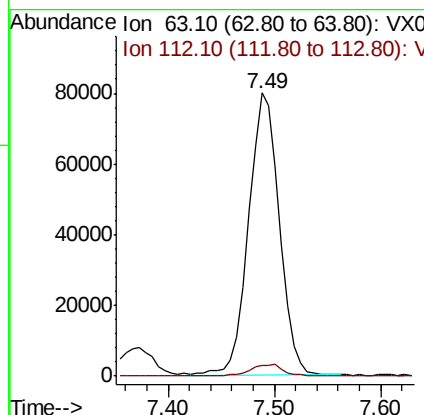
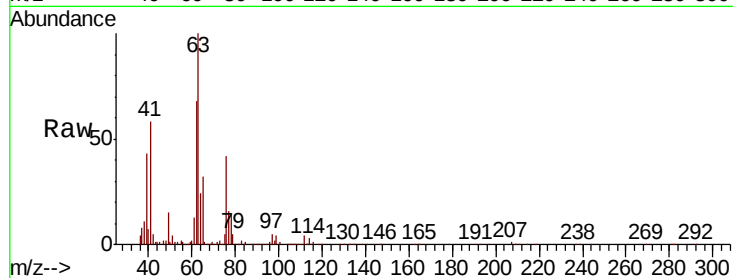




#37
 1,2-Dichloropropane
 Concen: 5.286 ug/L
 RT: 7.49 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VX017479.D
 Acq: 22 Jul 2020 20:44

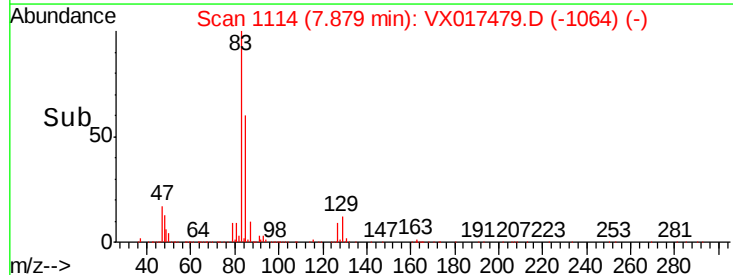
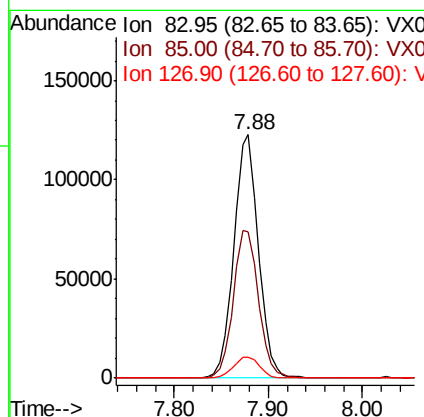
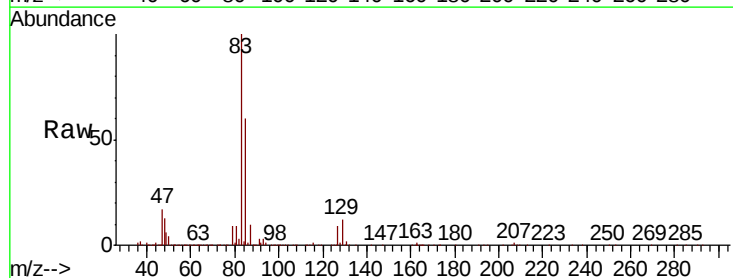
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD00564

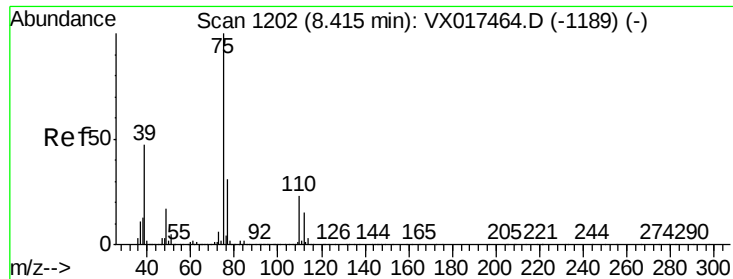
Tot Ion: 63 Resp: 162160
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.8 5.8



#38
 Bromodichloromethane
 Concen: 5.399 ug/L
 RT: 7.88 min Scan# 1114
 Delta R.T. 0.01 min
 Lab File: VX017479.D
 Acq: 22 Jul 2020 20:44

Tgt Ion: 83 Resp: 221849
 Ion Ratio Lower Upper
 83 100
 85 60.3 44.7 83.1
 127 8.6 6.3 9.5

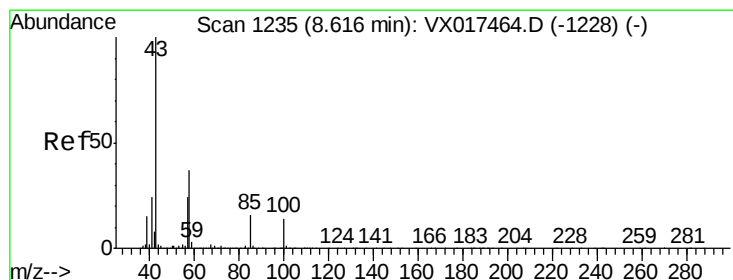
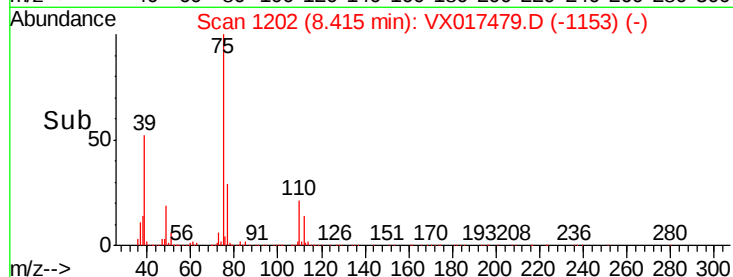
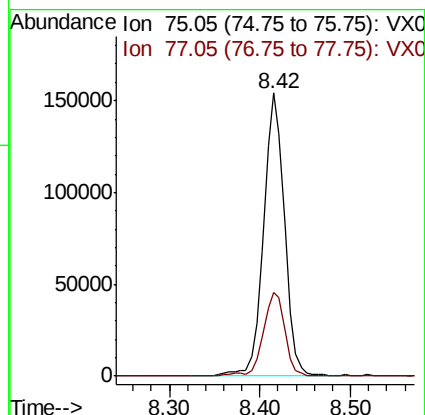
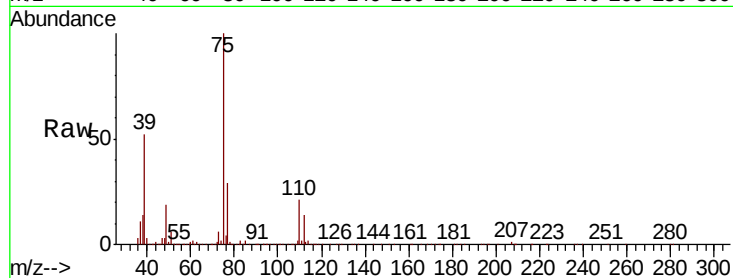




#39
 cis-1,3-Dichloropropene
 Concen: 5.546 ug/L
 RT: 8.42 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: VX017479.D
 Acq: 22 Jul 2020 20:44

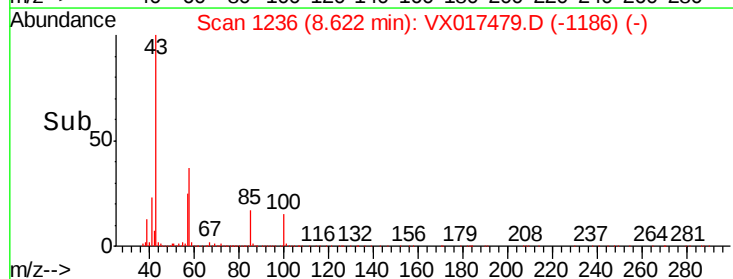
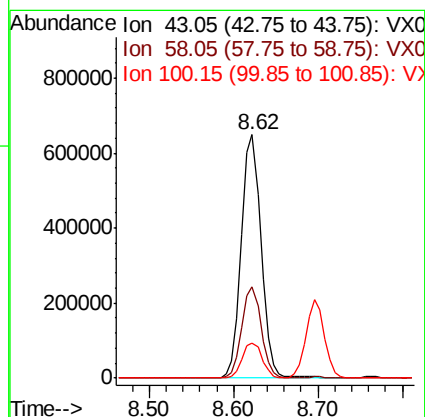
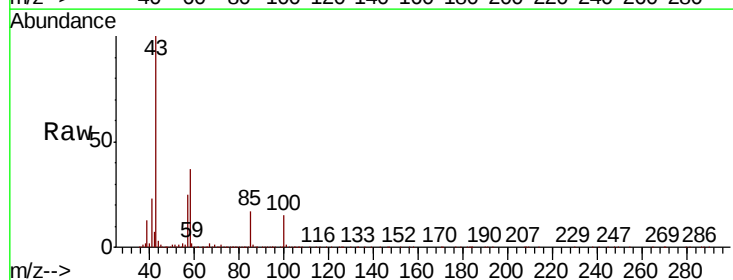
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD00564

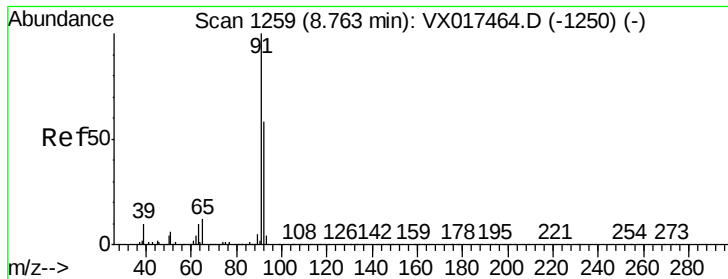
Tot Ion: 75 Resp: 245738
 Ion Ratio Lower Upper
 75 100
 77 29.5 23.1 42.9



#40
 4-Methyl-2-pentanone
 Concen: 56.865 ug/L
 RT: 8.62 min Scan# 1236
 Delta R.T. 0.01 min
 Lab File: VX017479.D
 Acq: 22 Jul 2020 20:44

Tgt Ion: 43 Resp: 1020069
 Ion Ratio Lower Upper
 43 100
 58 36.9 30.1 45.1
 100 14.7 6.5 9.7#





#42

Toluene

Concen: 5.799 ug/L

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX017479.D

Acq: 22 Jul 2020 20:44

Instrument :

MSVOA_X

ClientSampleId :

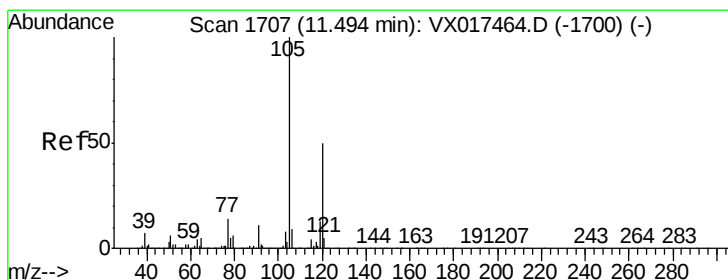
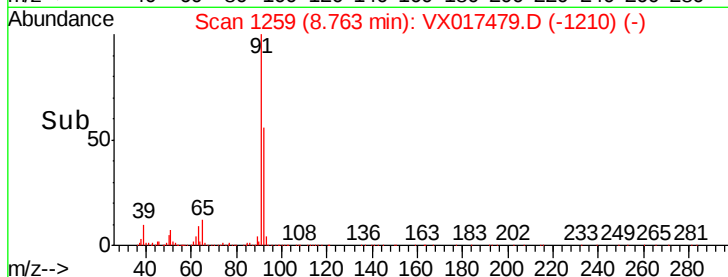
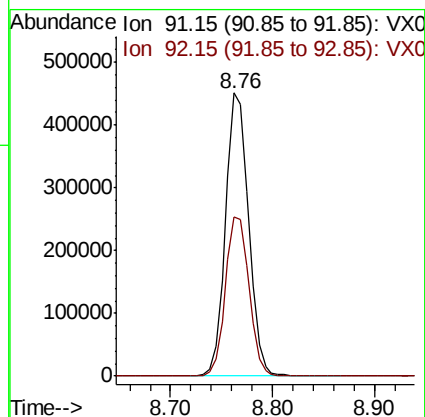
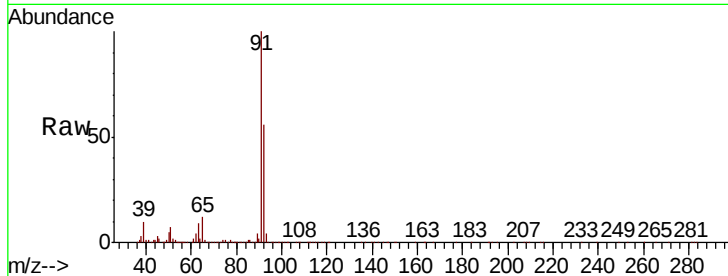
VSTD00564

Tot Ion: 91 Resp: 709446

Ion Ratio Lower Upper

91 100

92 56.1 39.9 74.1



#43

1,3,5-Trimethylbenzene

Concen: 5.900 ug/L

RT: 11.49 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX017479.D

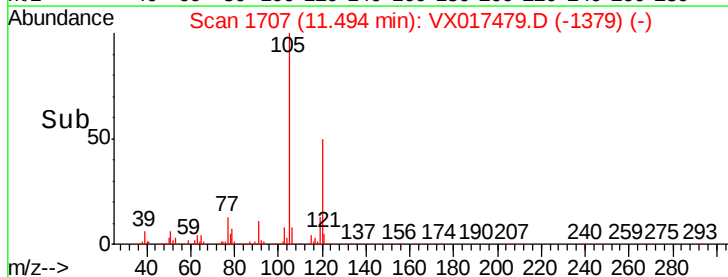
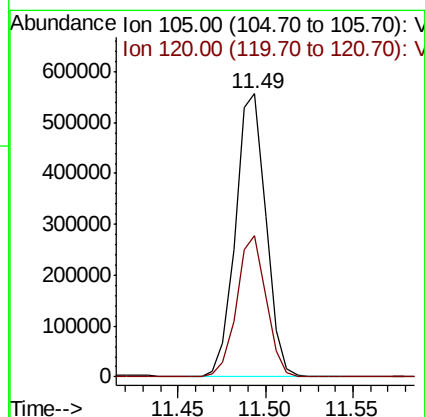
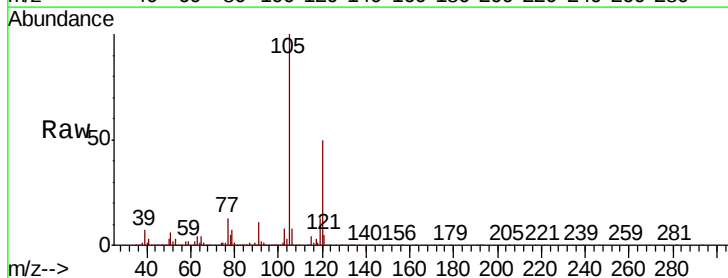
Acq: 22 Jul 2020 20:44

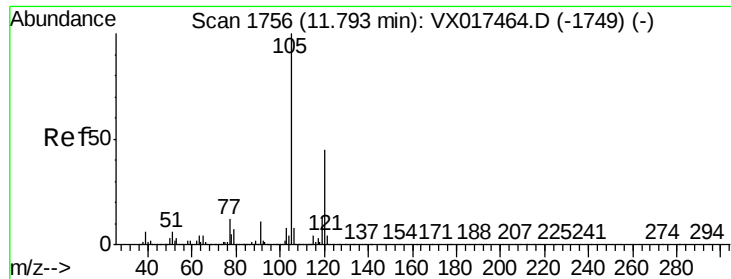
Tgt Ion:105 Resp: 672486

Ion Ratio Lower Upper

105 100

120 48.5 38.2 57.2

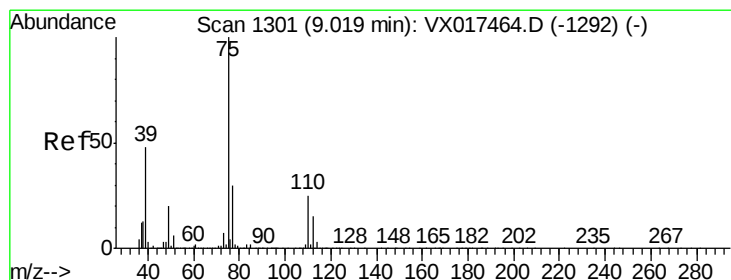
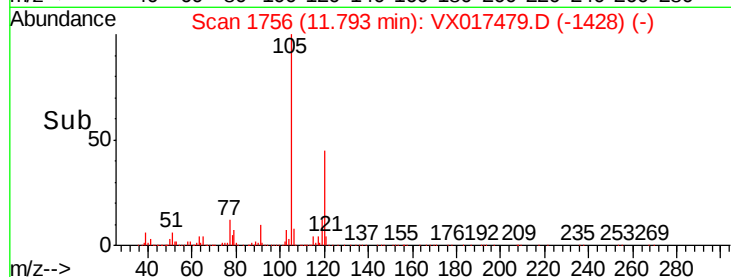
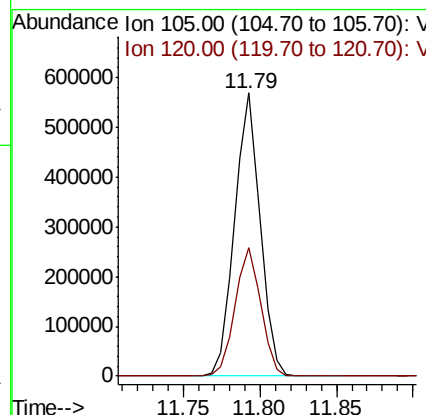
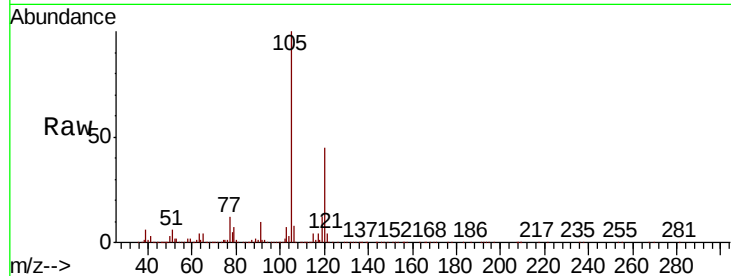




#44
 1,2,4-Trimethylbenzene
 Concen: 5.833 ug/L
 RT: 11.79 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VX017479.D
 Acq: 22 Jul 2020 20:44

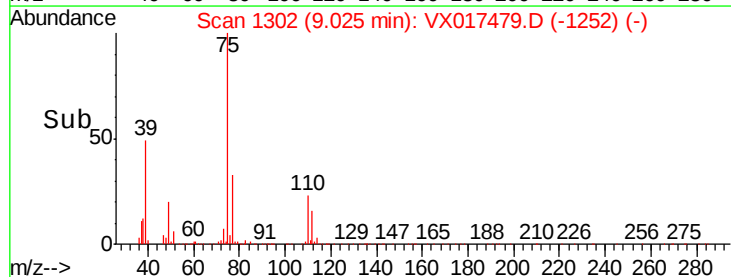
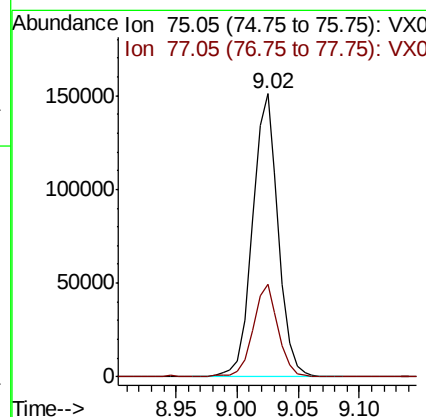
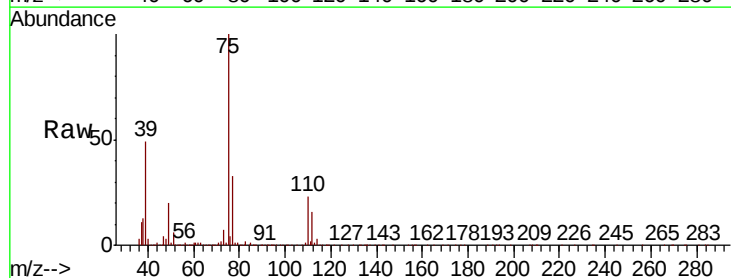
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD00564

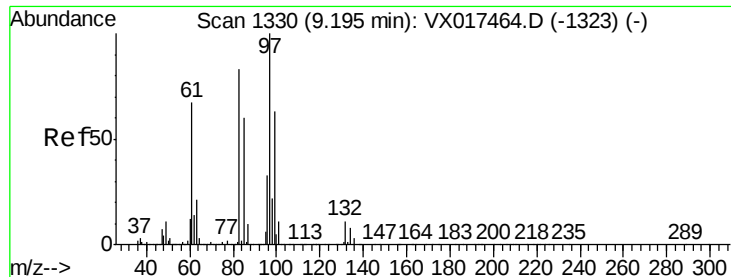
Tot Ion:105 Resp: 658283
 Ion Ratio Lower Upper
 105 100
 120 45.5 36.5 54.7



#46
 trans-1,3-Dichloropropene
 Concen: 5.774 ug/L
 RT: 9.02 min Scan# 1302
 Delta R.T. 0.01 min
 Lab File: VX017479.D
 Acq: 22 Jul 2020 20:44

Tgt Ion: 75 Resp: 220347
 Ion Ratio Lower Upper
 75 100
 77 32.7 21.4 39.8





#47

1,1,2-Trichloroethane

Concen: 5.510 ug/L

RT: 9.20 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VX017479.D

Acq: 22 Jul 2020 20:44

Instrument :

MSVOA_X

ClientSampleId :

VSTD00564

Tot Ion: 97 Resp: 115649

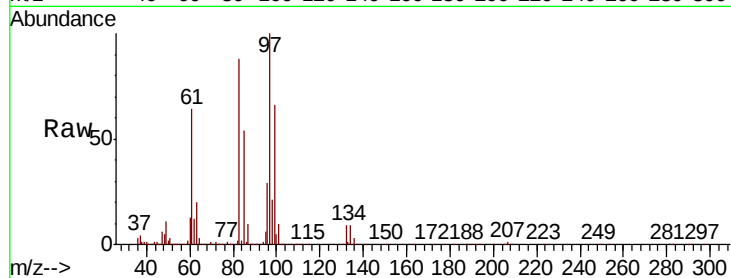
Ion Ratio Lower Upper

97 100

99 66.0 40.2 74.6

83 87.7 61.6 114.4

85 54.5 37.5 69.6

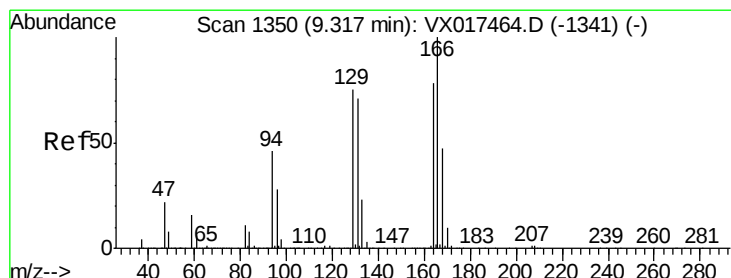
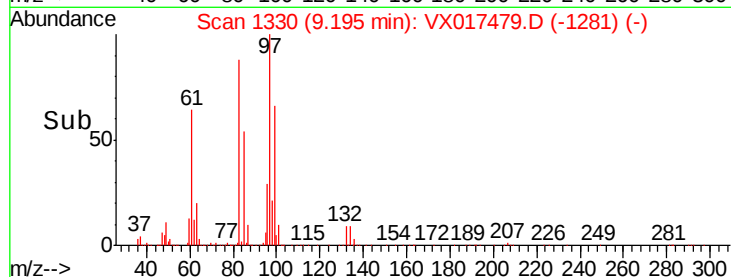
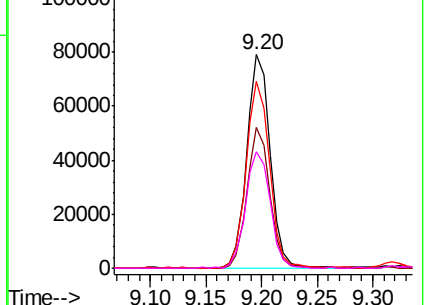


Abundance Ion 96.95 (96.65 to 97.65): VX0

Ion 99.05 (98.75 to 99.75): VX0

Ion 82.95 (82.65 to 83.65): VX0

Ion 85.00 (84.70 to 85.70): VX0



#49

Tetrachloroethene

Concen: 5.543 ug/L

RT: 9.32 min Scan# 1350

Delta R.T. 0.00 min

Lab File: VX017479.D

Acq: 22 Jul 2020 20:44

Tgt Ion: 164 Resp: 148241

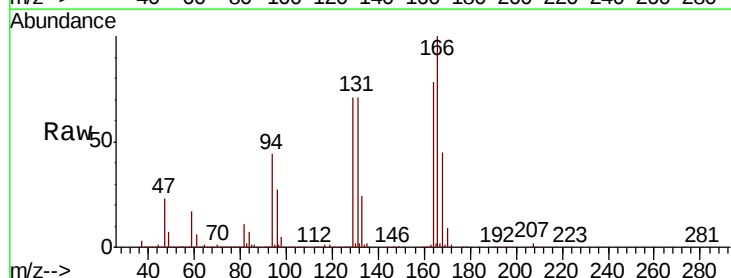
Ion Ratio Lower Upper

164 100

129 91.6 66.6 123.8

131 92.2 62.6 116.2

166 129.0 86.9 161.5

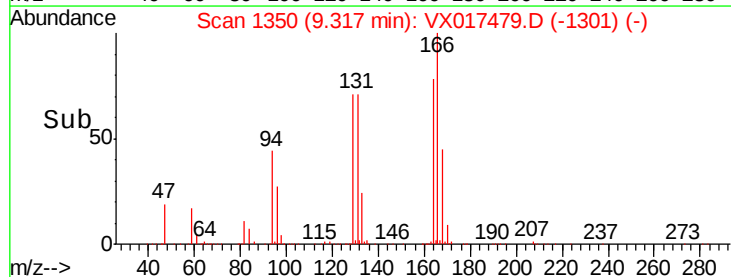
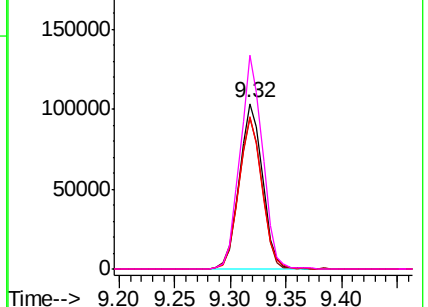


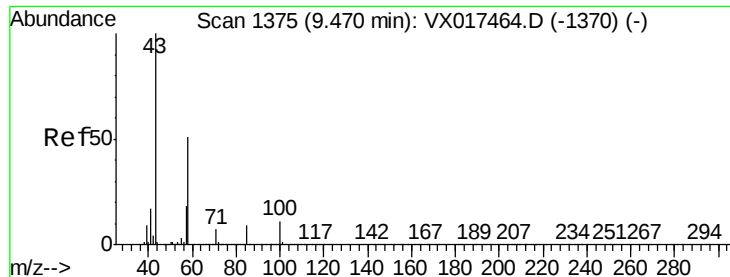
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

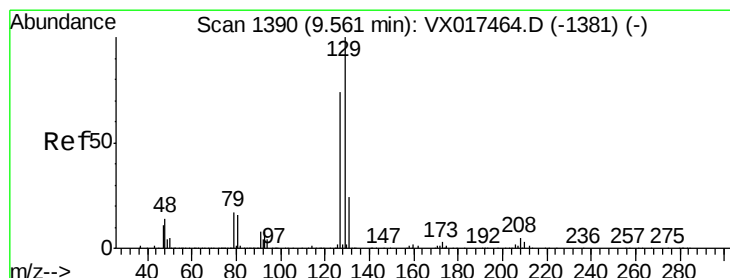
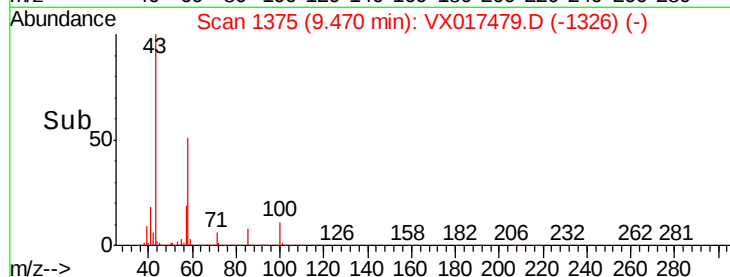
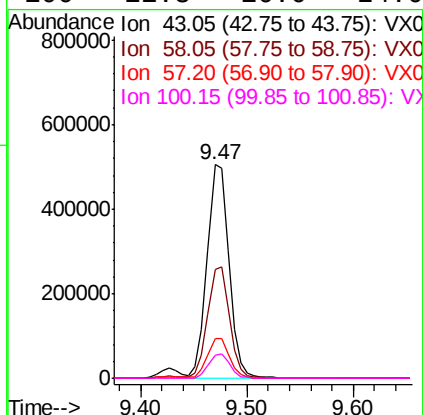
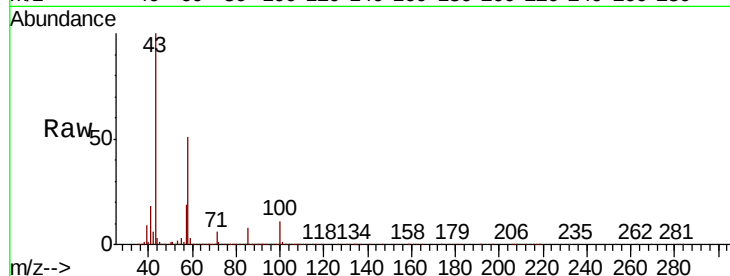




#50
2-Hexanone
Concen: 53.802 ug/L
RT: 9.47 min Scan# 1375
Delta R.T. 0.00 min
Lab File: VX017479.D
Acq: 22 Jul 2020 20:44

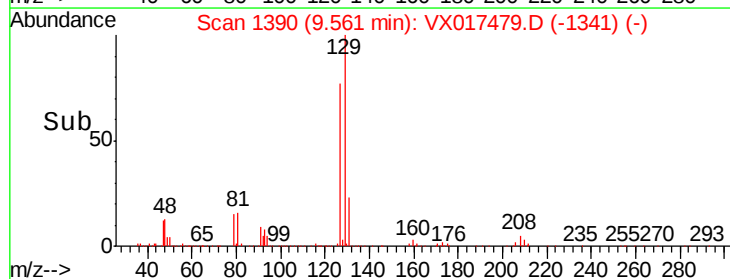
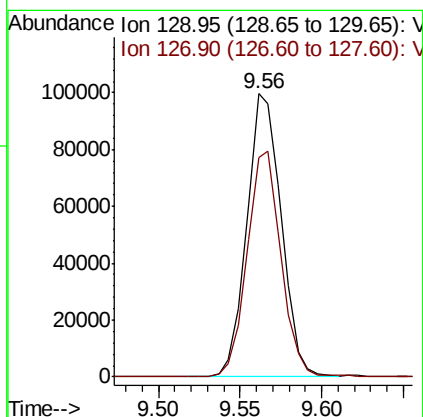
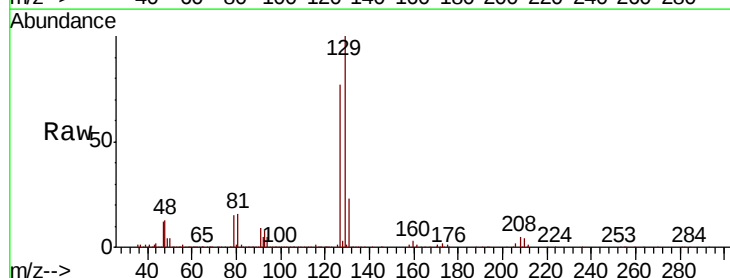
Instrument :
MSVOA_X
ClientSampleId :
VSTD00564

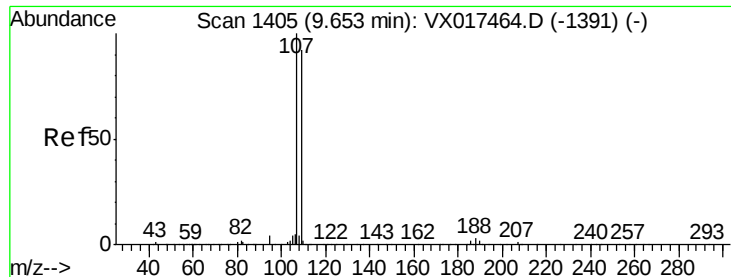
Tot Ion:	43	Resp:	704487
Ion	Ratio	Lower	Upper
43	100		
58	52.5	41.4	62.0
57	18.5	26.9	40.3#
100	11.3	16.0	24.0#



#51
Dibromochloromethane
Concen: 5.093 ug/L
RT: 9.56 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VX017479.D
Acq: 22 Jul 2020 20:44

Tgt Ion:	129	Resp:	146947
Ion	Ratio	Lower	Upper
129	100		
127	77.3	54.7	101.5





#52

1,2-Dibromoethane

Concen: 5.336 ug/L

RT: 9.65 min Scan# 1405

Delta R.T. 0.00 min

Lab File: VX017479.D

Acq: 22 Jul 2020 20:44

Instrument :

MSVOA_X

ClientSampleId :

VSTD00564

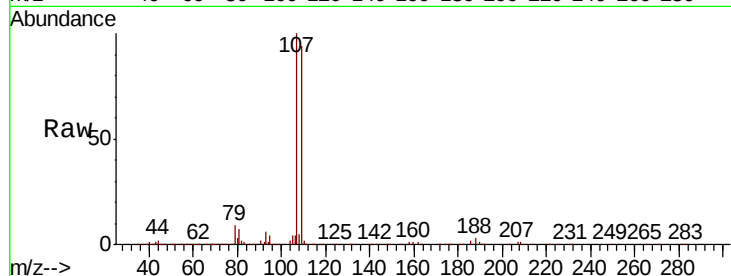
Tot Ion:107 Resp: 110990

Ion Ratio Lower Upper

107 100

109 93.8 63.9 118.7

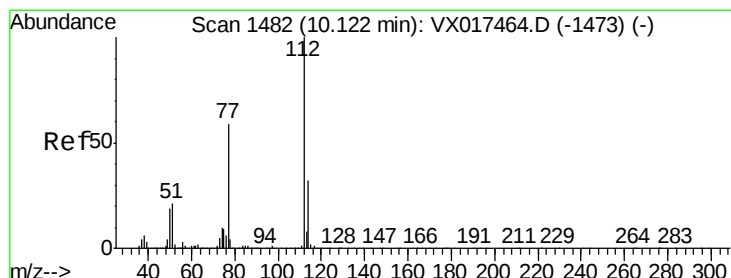
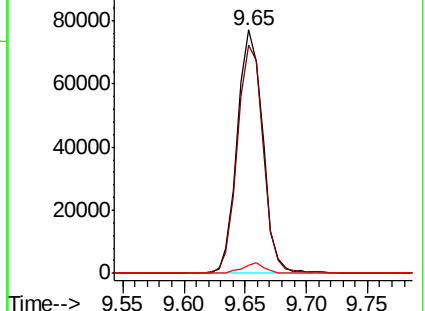
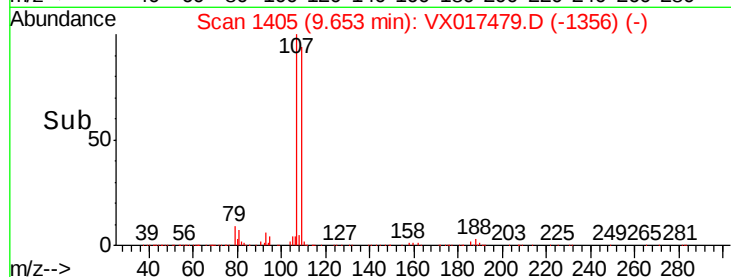
188 3.2 3.0 4.4



Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#53

Chlorobenzene

Concen: 5.423 ug/L

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX017479.D

Acq: 22 Jul 2020 20:44

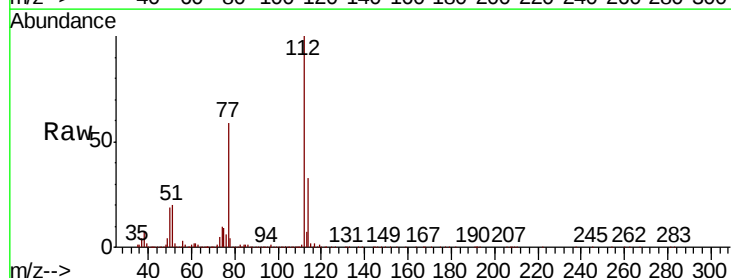
Tgt Ion:112 Resp: 451423

Ion Ratio Lower Upper

112 100

114 32.5 23.1 42.9

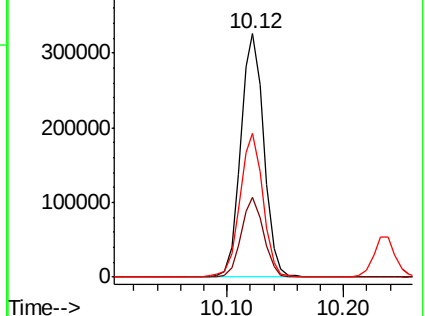
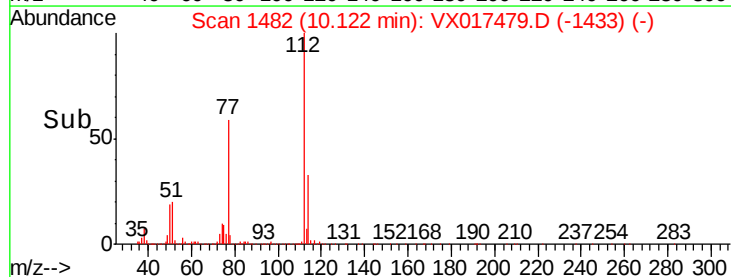
77 59.1 46.2 69.2

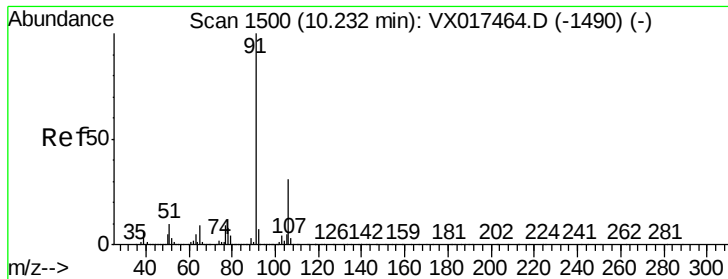


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VX0





#54

Ethylbenzene

Concen: 5.931 ug/L

RT: 10.24 min Scan# 1501

Delta R.T. 0.01 min

Lab File: VX017479.D

Acq: 22 Jul 2020 20:44

Instrument :

MSVOA_X

ClientSampleId :

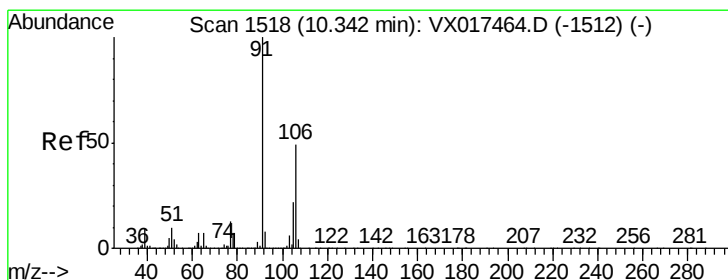
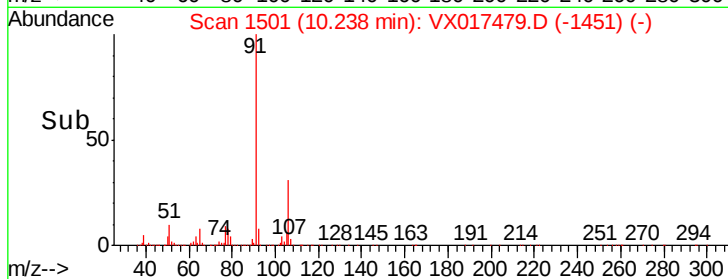
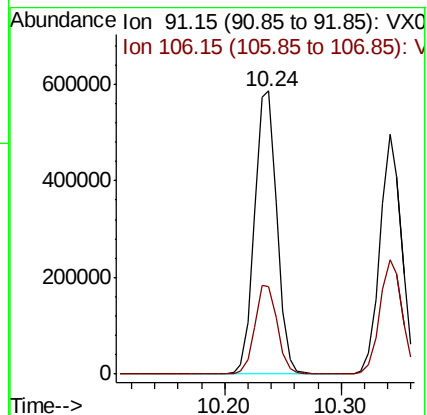
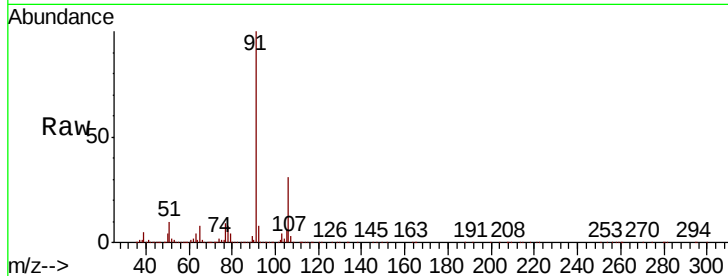
VSTD00564

Tot Ion: 91 Resp: 786923

Ion Ratio Lower Upper

91 100

106 30.8 22.5 41.7



#55

m,p-xylene

Concen: 5.968 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX017479.D

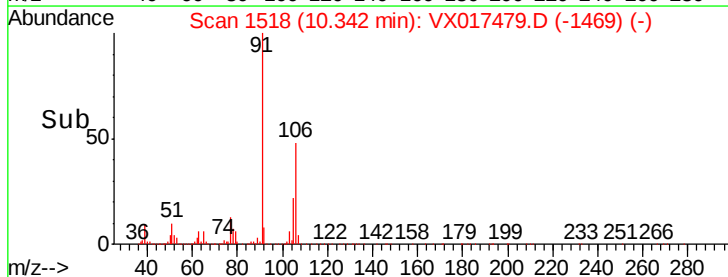
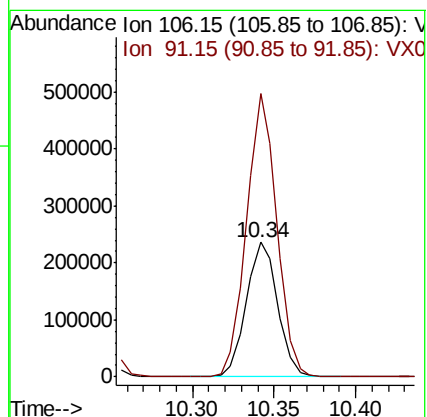
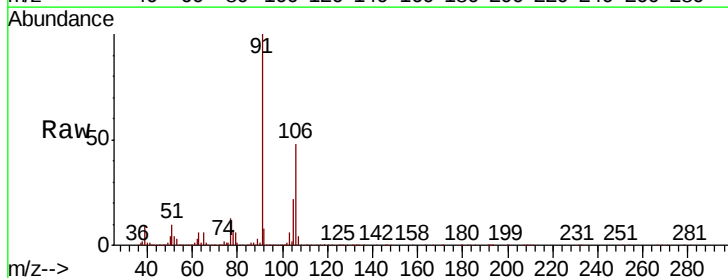
Acq: 22 Jul 2020 20:44

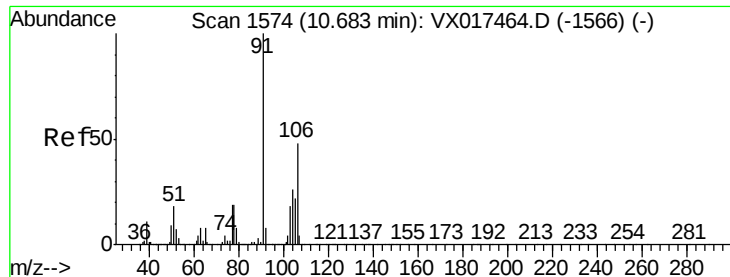
Tgt Ion: 106 Resp: 316154

Ion Ratio Lower Upper

106 100

91 210.0 142.7 264.9





#56

o-xylene

Concen: 5.621 ug/L

RT: 10.68 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VX017479.D

Acq: 22 Jul 2020 20:44

Instrument :

MSVOA_X

ClientSampled :

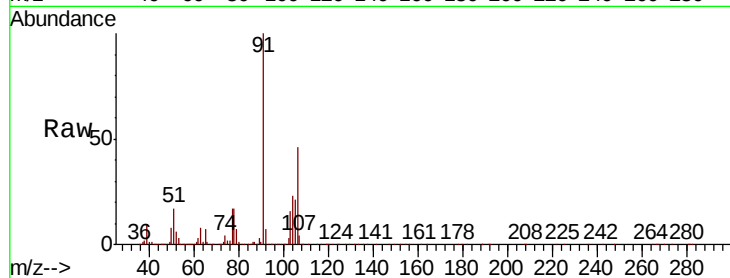
VSTD00564

Tot Ion:106 Resp: 288849

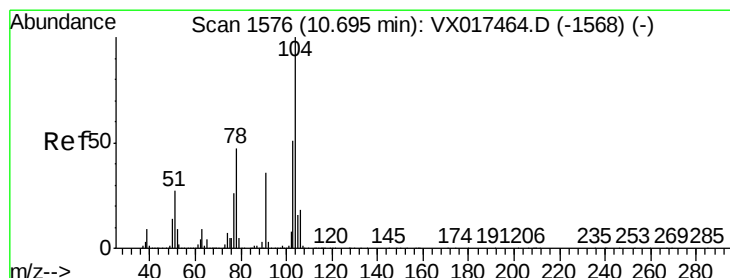
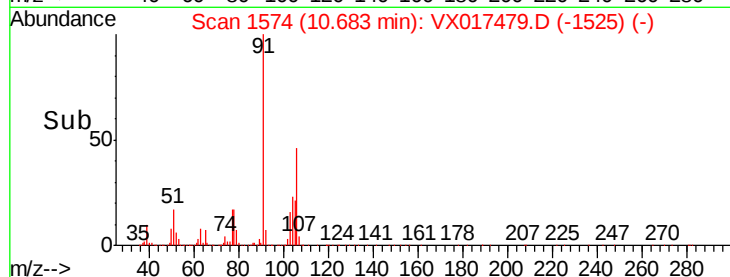
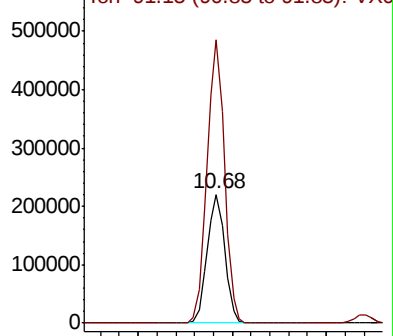
Ion Ratio Lower Upper

106 100

91 219.6 153.4 284.8



Abundance Ion 106.15 (105.85 to 106.85): V



#57

Styrene

Concen: 5.605 ug/L

RT: 10.70 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VX017479.D

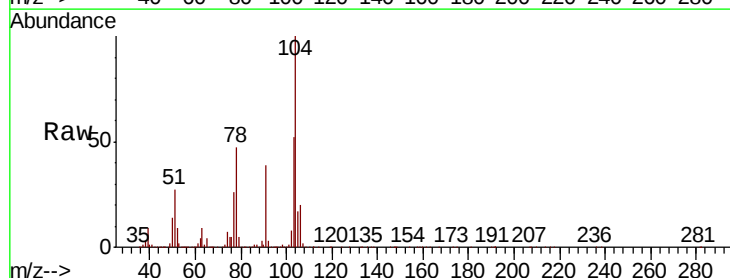
Acq: 22 Jul 2020 20:44

Tgt Ion:104 Resp: 479688

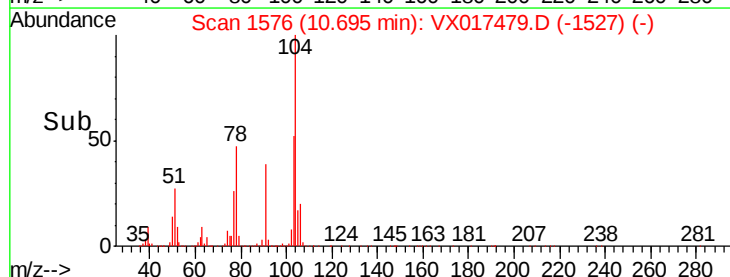
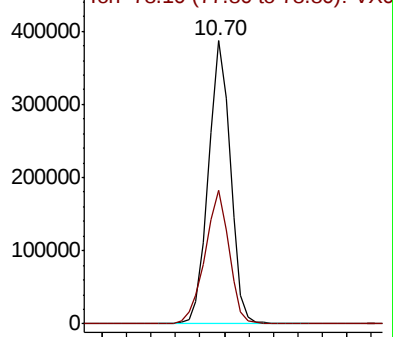
Ion Ratio Lower Upper

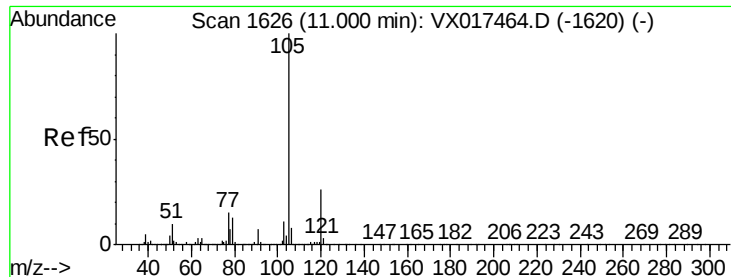
104 100

78 47.0 32.6 60.6



Abundance Ion 104.10 (103.80 to 104.80): V





#58

Isopropylbenzene

Concen: 5.785 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX017479.D

Acq: 22 Jul 2020 20:44

Instrument :

MSVOA_X

ClientSampleId :

VSTD00564

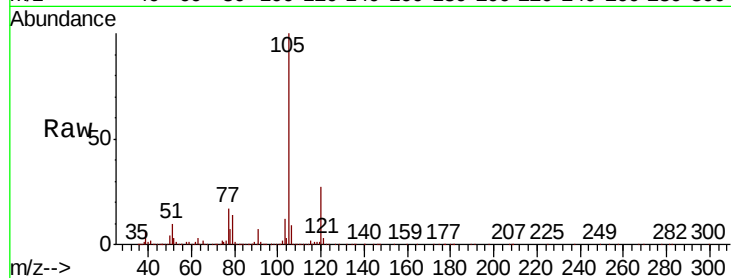
Tot Ion:105 Resp: 768188

Ion Ratio Lower Upper

105 100

120 27.1 21.4 32.2

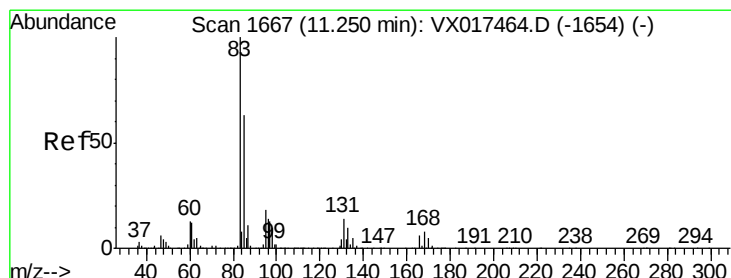
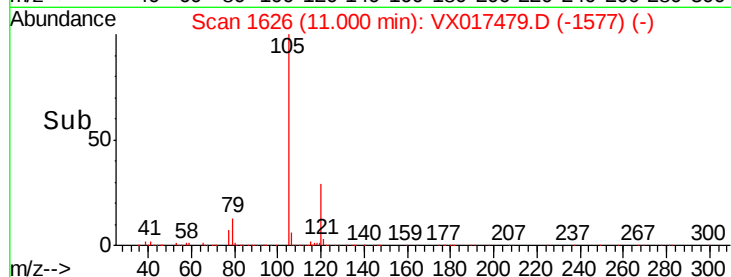
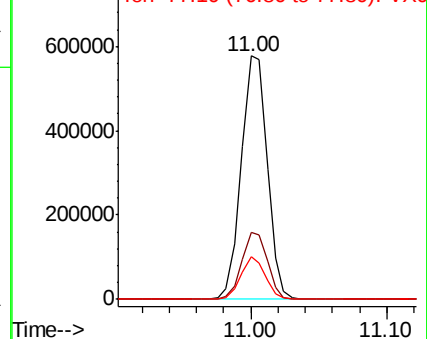
77 16.2 13.0 19.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#60

1,1,2,2-Tetrachloroethane

Concen: 5.062 ug/L

RT: 11.25 min Scan# 1667

Delta R.T. 0.00 min

Lab File: VX017479.D

Acq: 22 Jul 2020 20:44

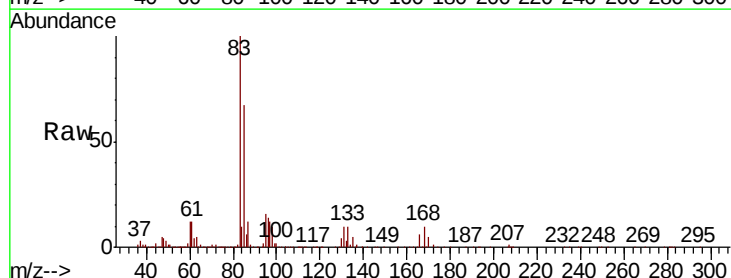
Tgt Ion: 83 Resp: 126431

Ion Ratio Lower Upper

83 100

85 66.6 42.1 78.1

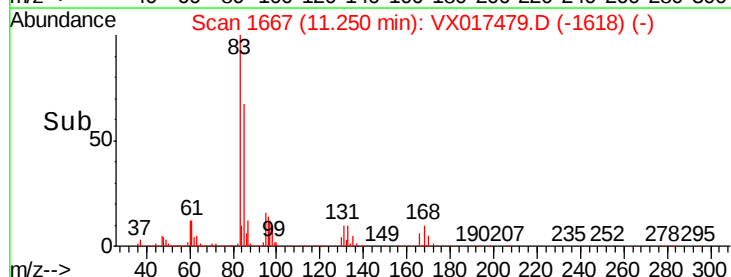
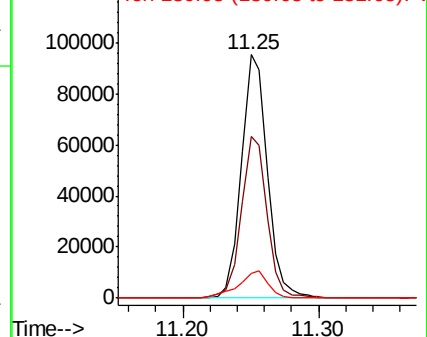
131 10.4 7.7 11.5

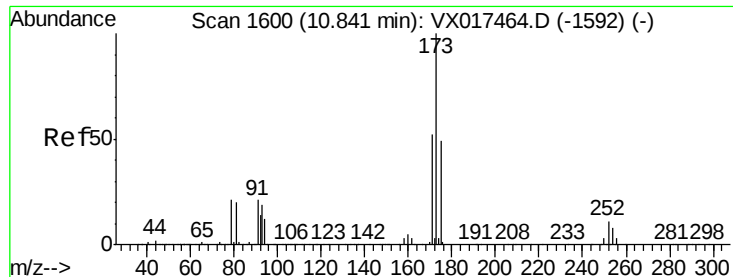


Abundance Ion 82.95 (82.65 to 83.65): VX0

Ion 85.00 (84.70 to 85.70): VX0

Ion 130.95 (130.65 to 131.65): V

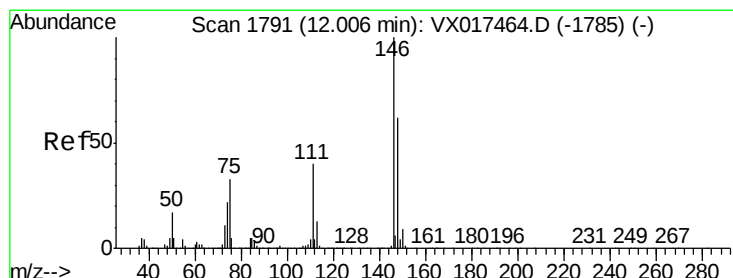
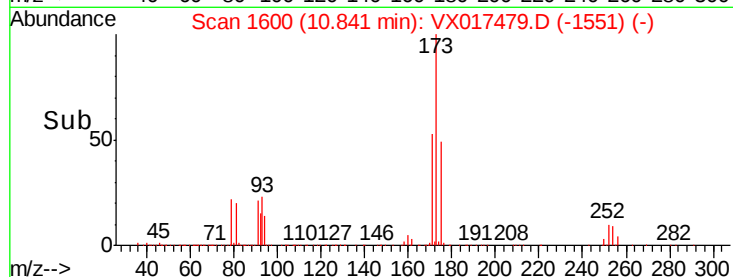
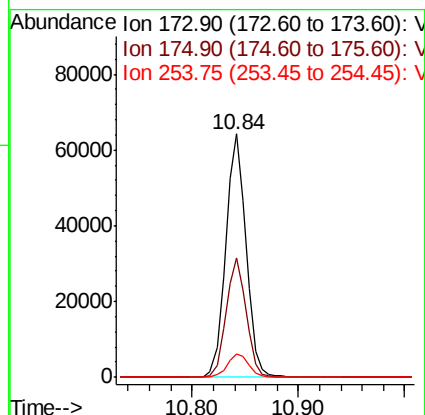
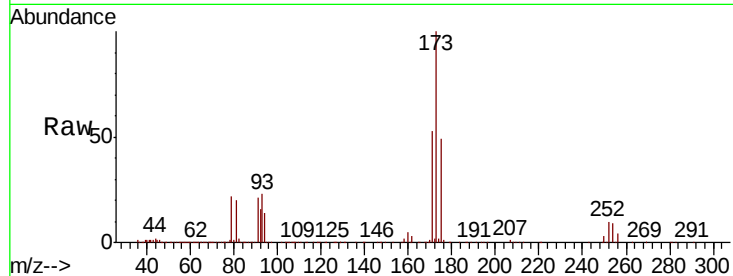




#62
Bromoform
Concen: 4.941 ug/L
RT: 10.84 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VX017479.D
Acq: 22 Jul 2020 20:44

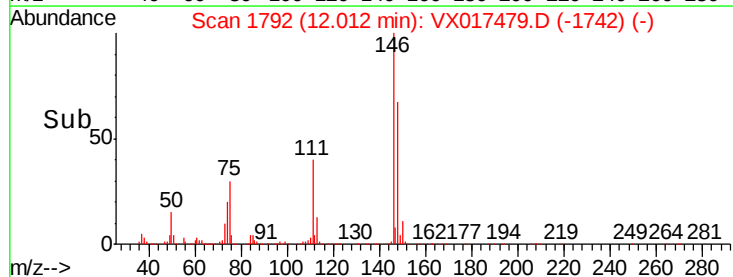
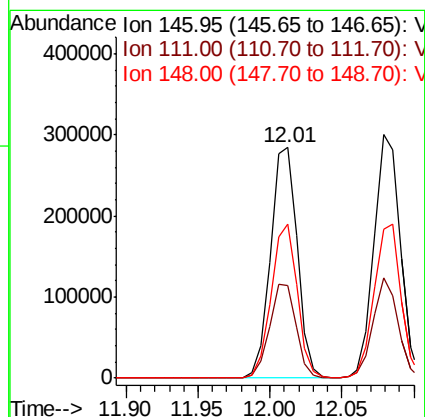
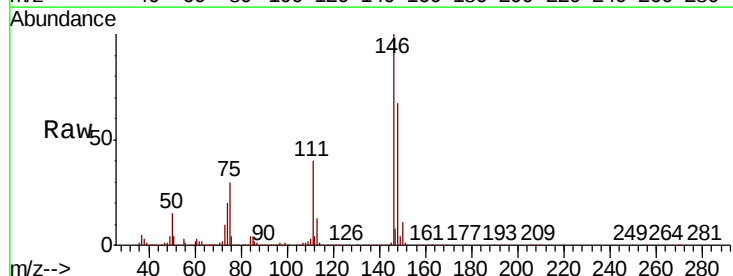
Instrument :
MSVOA_X
ClientSampleId :
VSTD00564

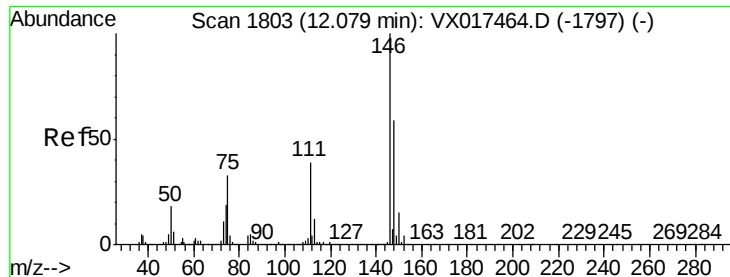
Tot Ion:173 Resp: 85531
Ion Ratio Lower Upper
173 100
175 48.4 38.4 57.6
254 10.3 7.4 11.2



#63
1,3-Dichlorobenzene
Concen: 5.260 ug/L
RT: 12.01 min Scan# 1792
Delta R.T. 0.01 min
Lab File: VX017479.D
Acq: 22 Jul 2020 20:44

Tgt Ion:146 Resp: 365899
Ion Ratio Lower Upper
146 100
111 40.4 26.8 49.8
148 66.9 42.1 78.3





#64

1,4-Dichlorobenzene

Concen: 5.484 ug/L

RT: 12.08 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VX017479.D

Acq: 22 Jul 2020 20:44

Instrument :

MSVOA_X

ClientSampleId :

VSTD00564

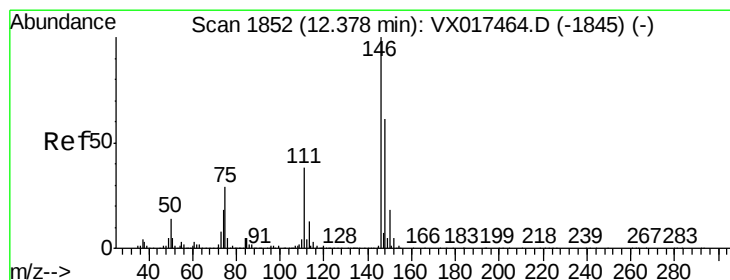
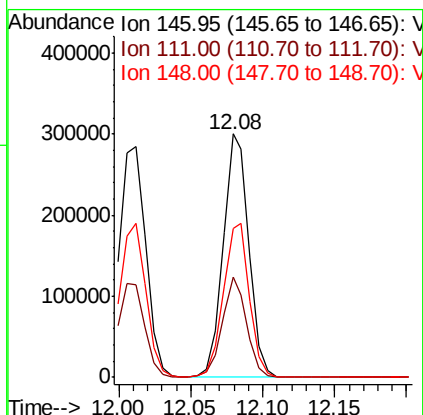
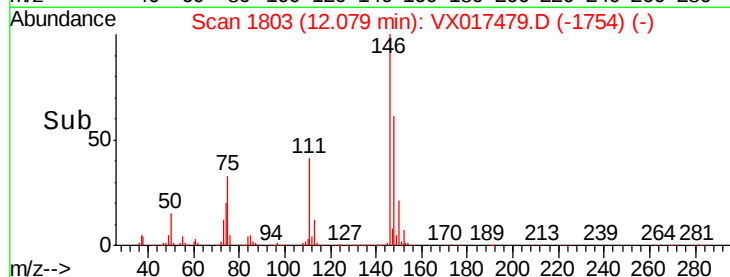
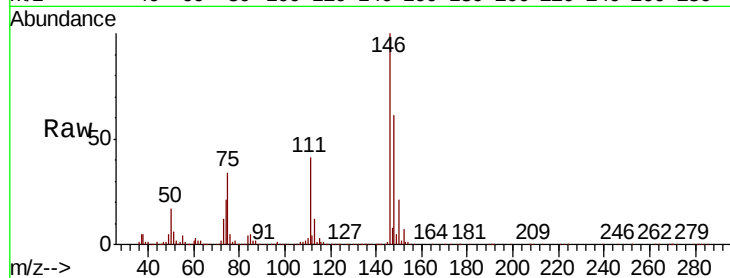
Tot Ion:146 Resp: 375584

Ion Ratio Lower Upper

146 100

111 41.3 27.7 51.5

148 61.3 44.9 83.5



#66

1,2-Dichlorobenzene

Concen: 5.698 ug/L

RT: 12.38 min Scan# 1852

Delta R.T. 0.00 min

Lab File: VX017479.D

Acq: 22 Jul 2020 20:44

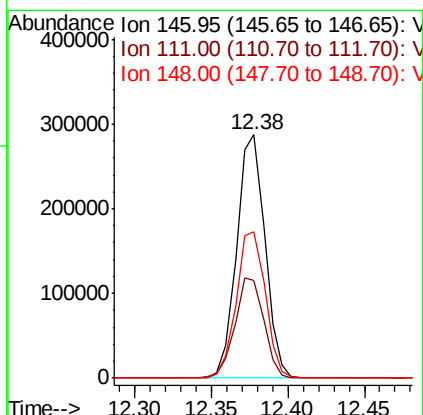
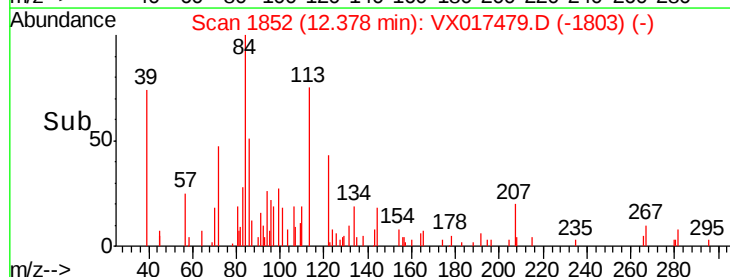
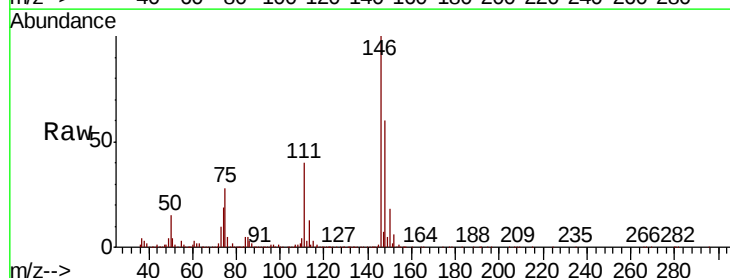
Tgt Ion:146 Resp: 367169

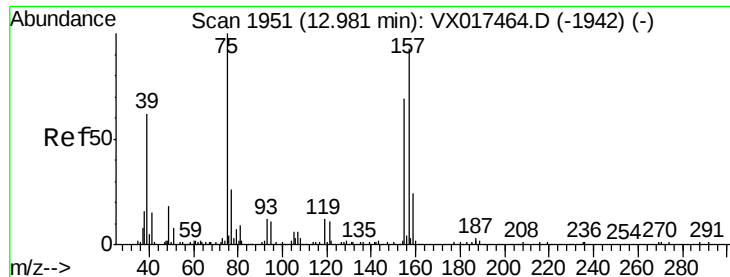
Ion Ratio Lower Upper

146 100

111 40.0 31.8 47.6

148 60.1 51.8 77.8





#67

1,2-Dibromo-3-chloropropane

Concen: 4.827 ug/L

RT: 12.98 min Scan# 1951

Delta R.T. 0.00 min

Lab File: VX017479.D

Acq: 22 Jul 2020 20:44

Instrument :

MSVOA_X

ClientSampleId :

VSTD00564

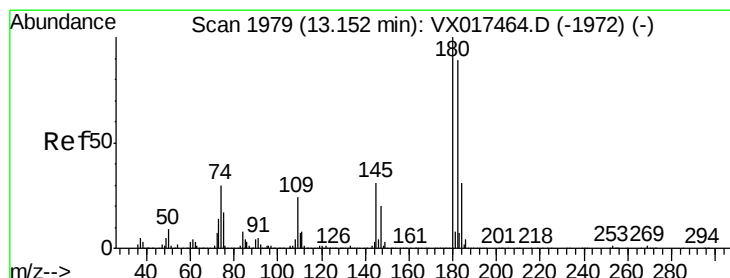
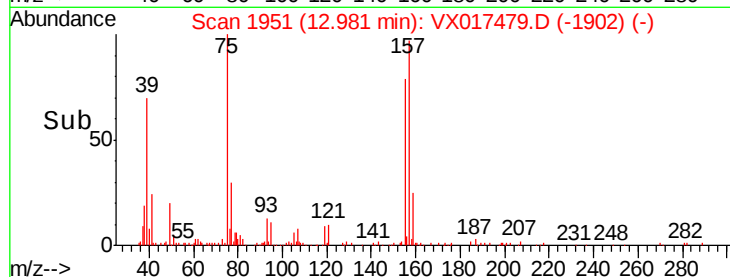
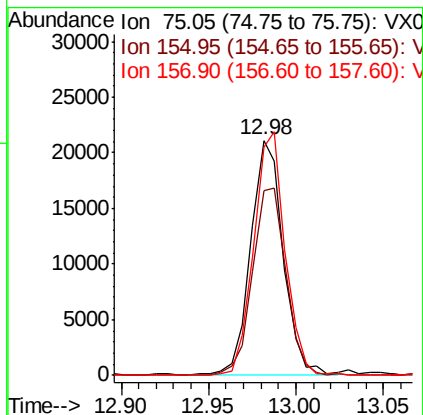
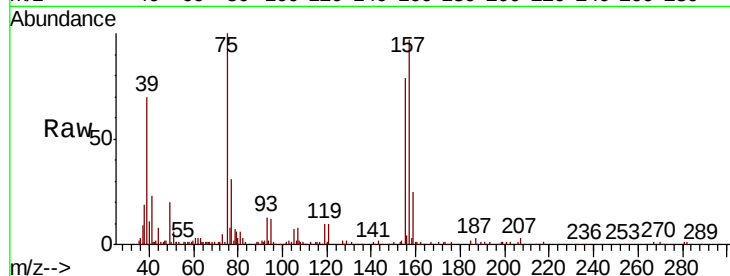
Tot Ion: 75 Resp: 27378

Ion Ratio Lower Upper

75 100

155 78.9 59.6 89.4

157 97.2 78.7 118.1



#68

1,3,5-Trichlorobenzene

Concen: 5.838 ug/L

RT: 13.15 min Scan# 1979

Delta R.T. 0.00 min

Lab File: VX017479.D

Acq: 22 Jul 2020 20:44

Tgt Ion: 180 Resp: 342102

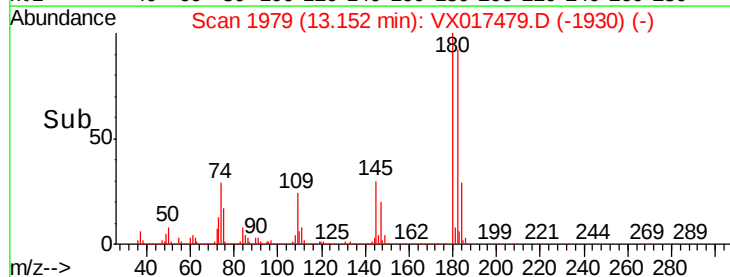
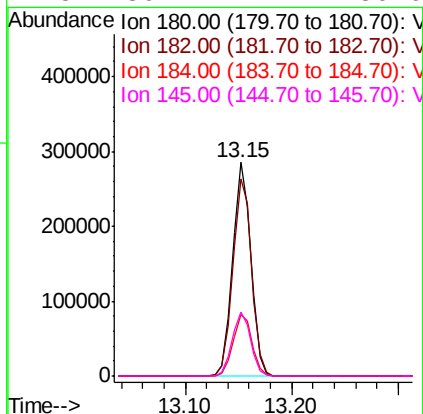
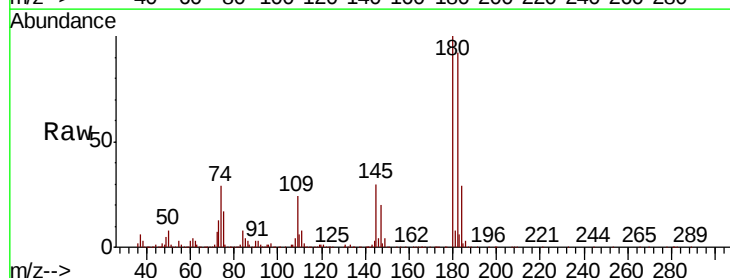
Ion Ratio Lower Upper

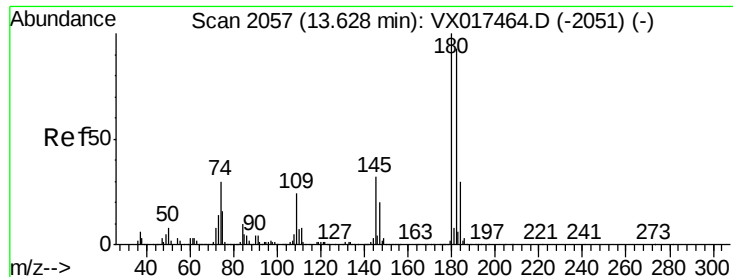
180 100

182 94.9 73.8 110.8

184 29.7 24.2 36.2

145 30.4 24.4 36.6

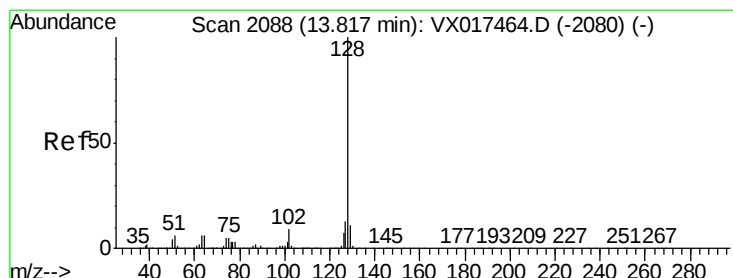
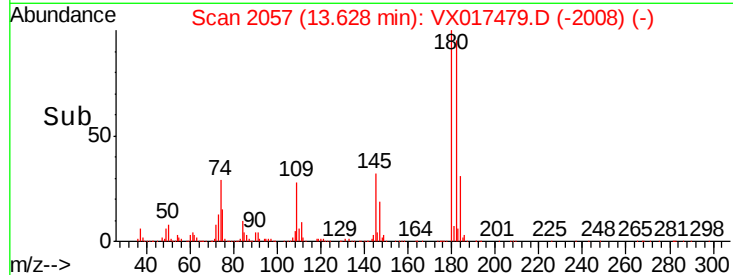
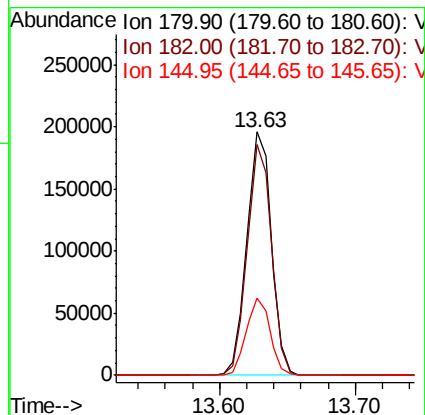
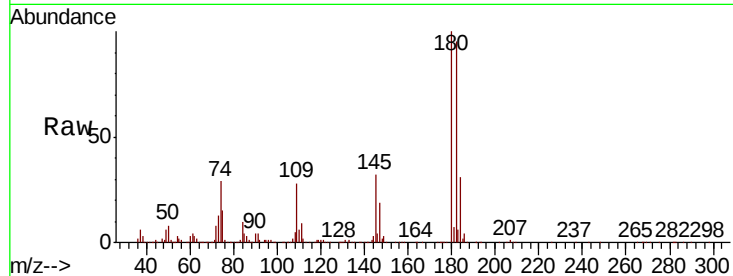




#69
1,2,4-trichlorobenzene
Concen: 5.773 ug/L
RT: 13.63 min Scan# 2057
Delta R.T. 0.00 min
Lab File: VX017479.D
Acq: 22 Jul 2020 20:44

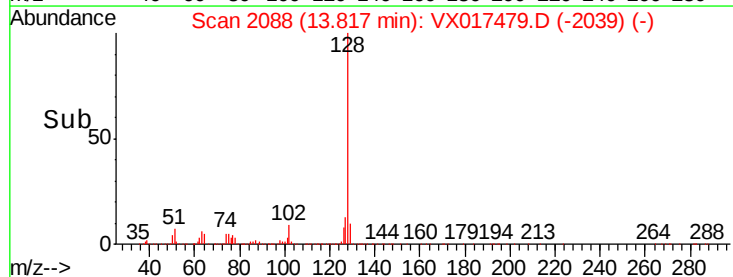
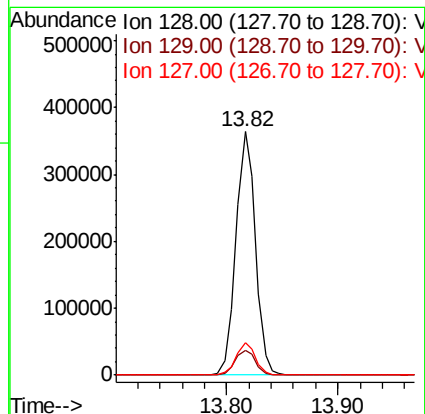
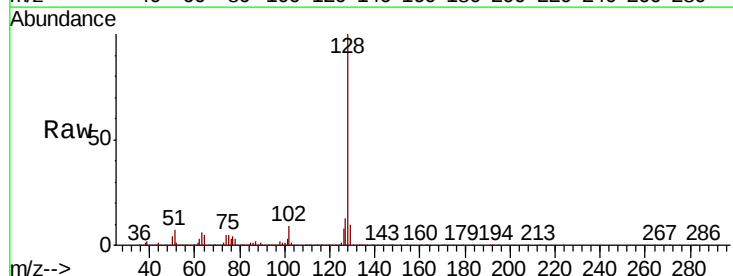
Instrument :
MSVOA_X
ClientSampled :
VSTD00564

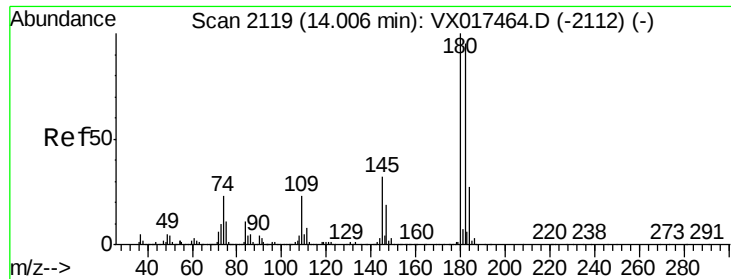
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.6	75.3	112.9
145	31.1	24.3	36.5



#70
Naphthalene
Concen: 5.880 ug/L
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX017479.D
Acq: 22 Jul 2020 20:44

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.7	13.1
127	13.1	10.2	15.4





#71
 1,2,3-Trichlorobenzene
 Concen: 5.820 ug/L
 RT: 14.00 min Scan# 2118
 Delta R.T. -0.01 min
 Lab File: VX017479.D
 Acq: 22 Jul 2020 20:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD00564

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	75.3	112.9
145	32.6	26.9	40.3

