

Data File : VV019419.D
Acq On : 23 Nov 2020 13:14
Operator : SY/MD
Sample : VSTD05066
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD05066

Quant Time: Nov 23 13:58:37 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM112320WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Nov 23 12:45:37 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	374280	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	384756	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	217498	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	182953	64.85	ug/L	0.00
7) Chloroethane-d5	1.57	69	148058	64.58	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	327312	56.38	ug/L	0.00
21) 2-Butanone-d5	3.89	46	234356	161.08	ug/L	-0.02
24) Chloroform-d	4.37	84	299689	55.54	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.05	65	195983	52.65	ug/L	0.00
32) Benzene-d6	5.07	84	572820	57.73	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.09	67	188669	68.50	ug/L	0.00
41) Toluene-d8	7.33	98	527129	54.35	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.64	79	94076	53.52	ug/L	0.00
47) 2-Hexanone-d5	8.10	63	161285	156.14	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.23	84	248089	65.95	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	207108	49.85	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	148712	47.384	ug/L	99
3) Chloromethane	1.25	50	202835	72.330	ug/L	99
5) Vinyl chloride	1.32	62	190011	62.855	ug/L	98
6) Bromomethane	1.52	94	123222	57.008	ug/L	99
8) Chloroethane	1.59	64	121648	63.814	ug/L	99
9) Trichlorofluoromethane	1.76	101	241845	44.598	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	129440	52.372	ug/L	91
12) 1,1-Dichloroethene	2.13	96	134264	53.224	ug/L	85
13) Acetone	2.17	43	167334	135.037	ug/L	90
14) Carbon disulfide	2.31	76	392194	56.227	ug/L	100
15) Methyl Acetate	2.44	43	174385	83.357	ug/L	93
16) Methylene chloride	2.52	84	154527	61.002	ug/L	90
17) trans-1,2-Dichloroethene	2.78	96	135853	55.986	ug/L	90
18) Methyl tert-butyl Ether	2.78	73	433756	55.638	ug/L	95
19) 1,1-Dichloroethane	3.21	63	276739	65.774	ug/L	97
20) cis-1,2-Dichloroethene	3.94	96	150235	58.486	ug/L	91
22) 2-Butanone	3.98	43	245454	172.736	ug/L	98
23) Bromochloromethane	4.27	128	78907	53.264	ug/L #	72
25) Chloroform	4.40	83	282657	57.760	ug/L	98
27) 1,2-Dichloroethane	5.15	62	226370	54.605	ug/L	97
29) Cyclohexane	4.70	56	205610	61.829	ug/L	87
30) 1,1,1-Trichloroethane	4.63	97	232017	45.906	ug/L	97
31) Carbon tetrachloride	4.85	117	199503	43.833	ug/L	99
33) Benzene	5.12	78	591714	60.965	ug/L	100
34) Trichloroethene	5.94	95	157407	53.773	ug/L	89
35) Methylcyclohexane	6.15	83	193654	53.530	ug/L	90
37) 1,2-Dichloropropane	6.19	63	160593	68.078	ug/L	97
38) Bromodichloromethane	6.53	83	211378	55.126	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	247686	61.243	ug/L	99
40) 4-Methyl-2-pentanone	7.24	43	478061	160.612	ug/L #	94

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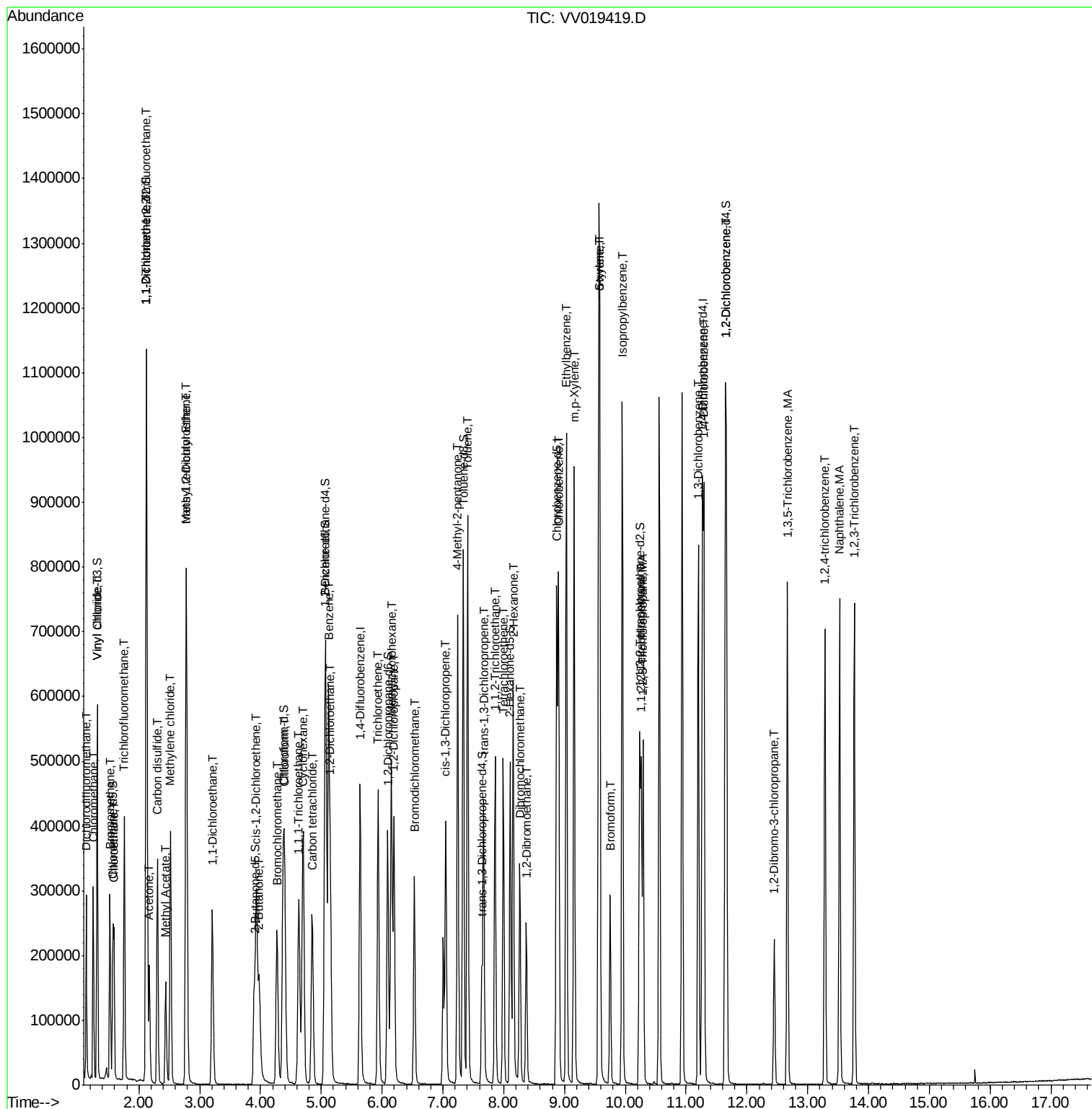
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	623723	57.128	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	247699	57.500	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	152023	59.413	ug/L	95
46) Tetrachloroethene	7.99	164	111642	43.297	ug/L	96
48) 2-Hexanone	8.15	43	379957	162.882	ug/L #	97
49) Dibromochloromethane	8.26	129	169208	51.529	ug/L	98
50) 1,2-Dibromoethane	8.37	107	159661	57.033	ug/L	95
51) Chlorobenzene	8.90	112	393030	52.345	ug/L	94
52) Ethylbenzene	9.03	91	665373	54.493	ug/L	99
53) m,p-Xylene	9.16	106	247317	52.307	ug/L	96
54) o-xylene	9.56	106	245174	53.621	ug/L	95
55) Styrene	9.58	104	447406	55.330	ug/L	100
56) Isopropylbenzene	9.95	105	633424	51.594	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.26	83	234306	67.014	ug/L #	98
59) 1,2,3-Trichloropropane	10.29	75	211685	65.710	ug/L	99
61) Bromoform	9.75	173	126802	51.208	ug/L	98
62) 1,3-Dichlorobenzene	11.20	146	320687	52.478	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	332381	51.995	ug/L	98
65) 1,2-Dichlorobenzene	11.66	146	326256	52.767	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.45	75	56322	63.066	ug/L	89
67) 1,3,5-Trichlorobenzene	12.67	180	229789	49.052	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	209512	49.714	ug/L	99
69) Naphthalene	13.52	128	555001	55.765	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	221604	52.258	ug/L	99

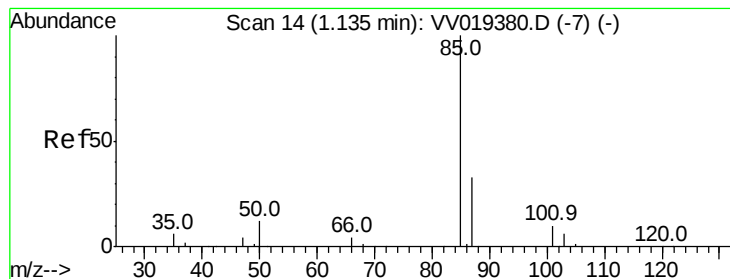
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 47.384 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

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Acq: 23 Nov 2020 13:14

Instrument :

MSVOA_V

ClientSampleId :

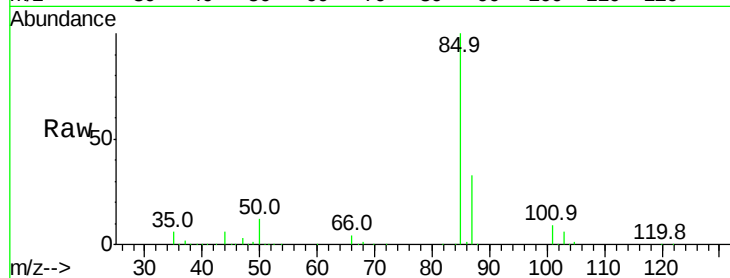
VSTD05066

Tgt Ion: 85 Resp: 148712

Ion Ratio Lower Upper

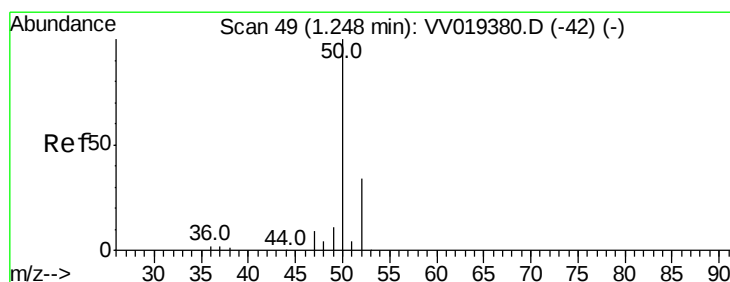
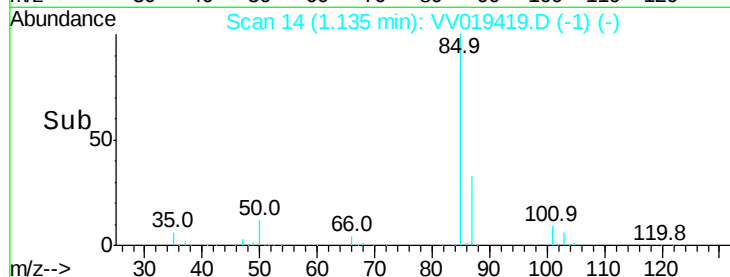
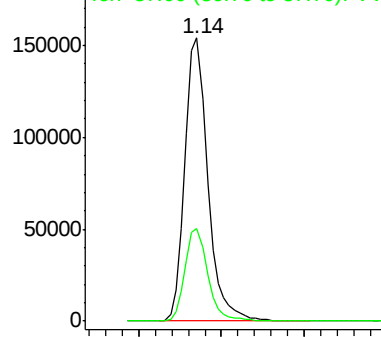
85 100

87 32.7 26.6 40.0



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 72.330 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV019419.D

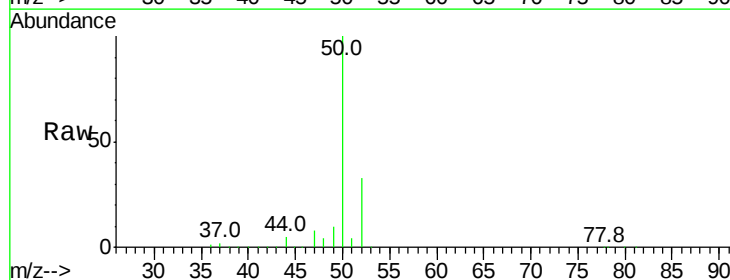
Acq: 23 Nov 2020 13:14

Tgt Ion: 50 Resp: 202835

Ion Ratio Lower Upper

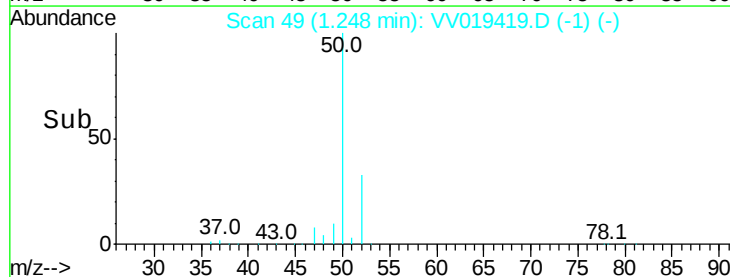
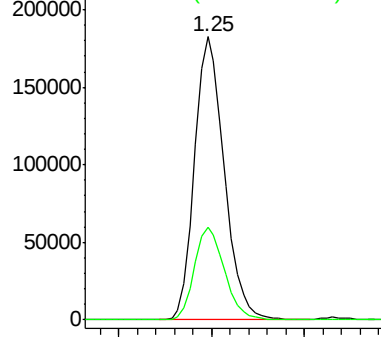
50 100

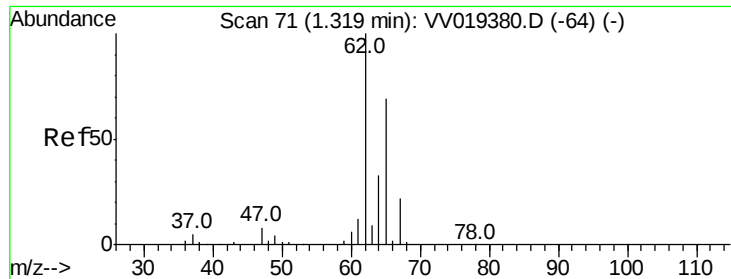
52 32.9 23.3 43.3



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 62.855 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VV019419.D

Acq: 23 Nov 2020 13:14

Instrument :

MSVOA_V

ClientSampleId :

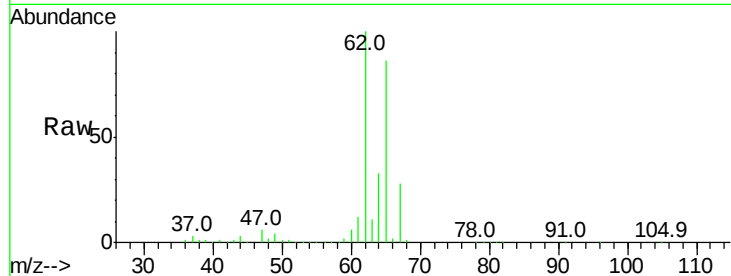
VSTD05066

Tgt Ion: 62 Resp: 190011

Ion Ratio Lower Upper

62 100

64 33.0 22.3 41.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

200000

150000

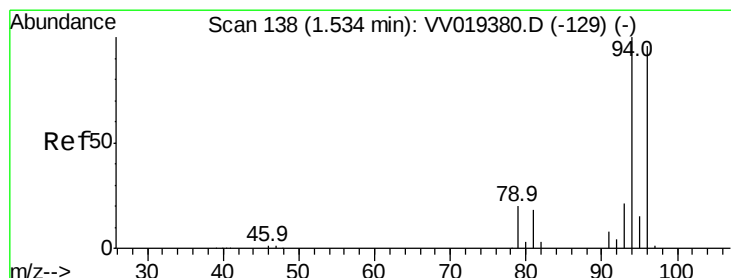
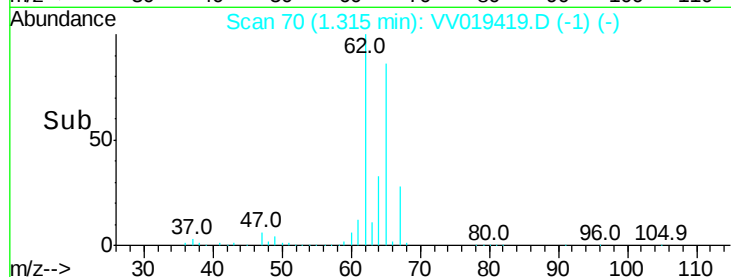
100000

50000

0

Time-->

1.25 1.30 1.35 1.40



#6

Bromomethane

Concen: 57.008 ug/L

RT: 1.52 min Scan# 135

Delta R.T. -0.01 min

Lab File: VV019419.D

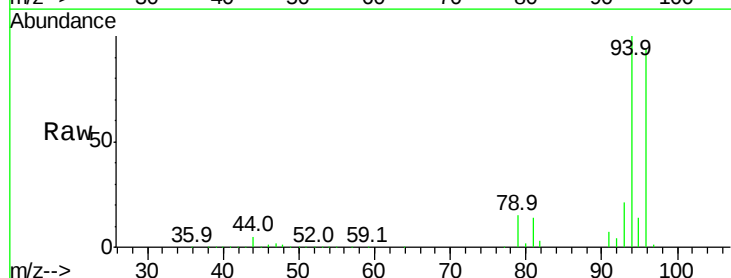
Acq: 23 Nov 2020 13:14

Tgt Ion: 94 Resp: 123222

Ion Ratio Lower Upper

94 100

96 93.6 64.7 120.1



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.52

120000

100000

80000

60000

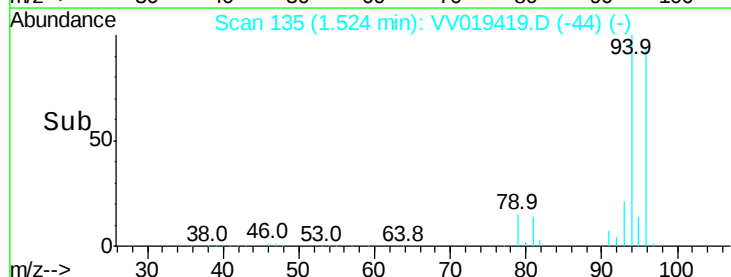
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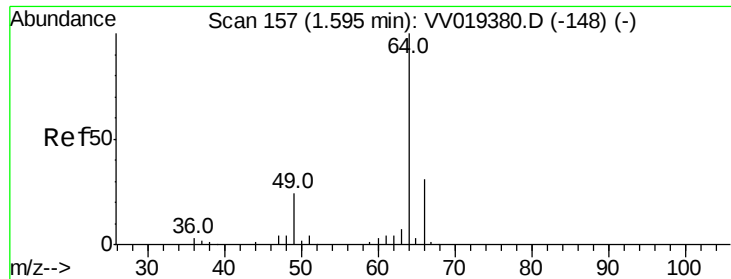
20000

0

Time-->

1.45 1.50 1.55 1.60

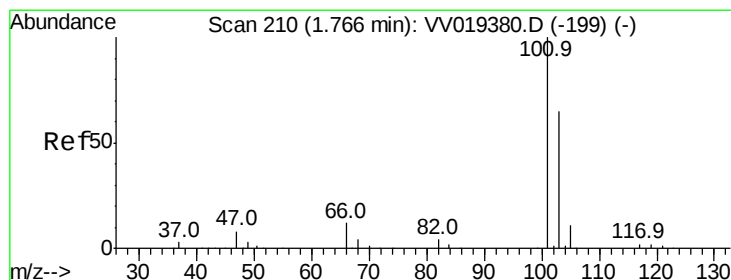
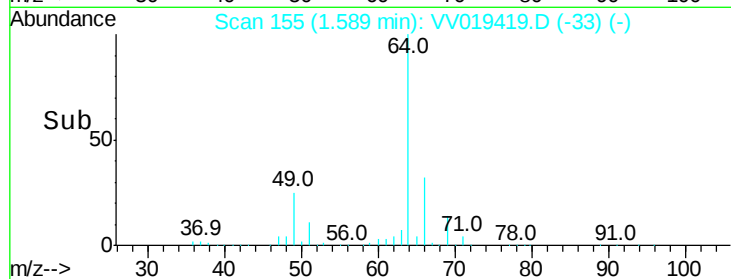
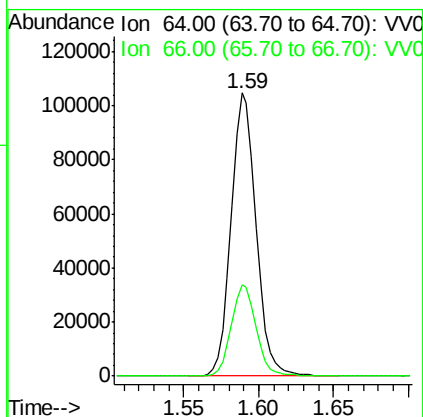
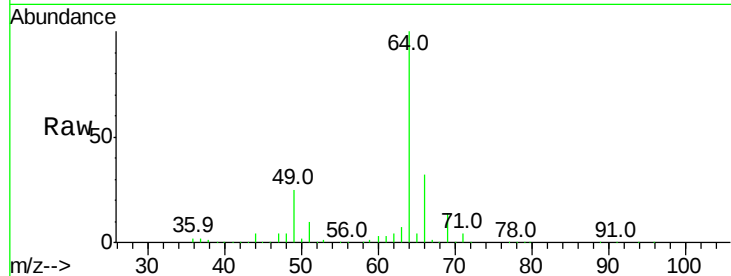




#8
Chloroethane
Concen: 63.814 ug/L
RT: 1.59 min Scan# 155
Delta R.T. -0.01 min
Lab File: VV019419.D
Acq: 23 Nov 2020 13:14

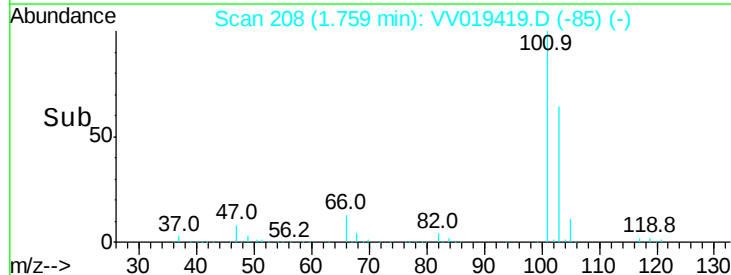
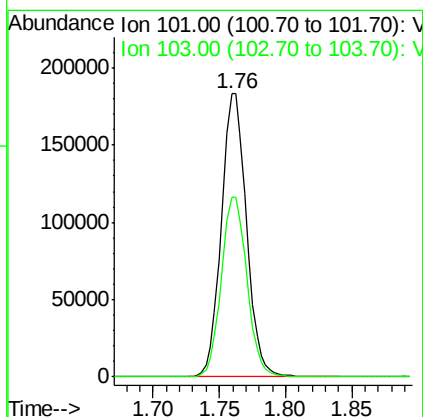
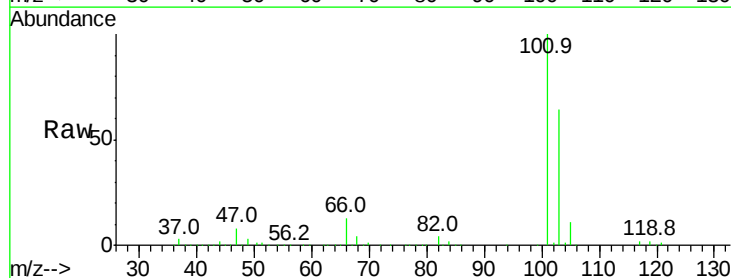
Instrument :
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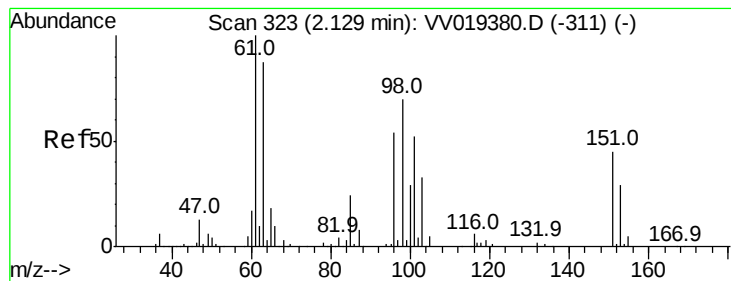
Tgt Ion: 64 Resp: 121648
Ion Ratio Lower Upper
64 100
66 32.3 22.9 42.5



#9
Trichlorofluoromethane
Concen: 44.598 ug/L
RT: 1.76 min Scan# 208
Delta R.T. -0.00 min
Lab File: VV019419.D
Acq: 23 Nov 2020 13:14

Tgt Ion: 101 Resp: 241845
Ion Ratio Lower Upper
101 100
103 64.8 51.4 77.2





#10

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

Concen: 52.372 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV019419.D

Acq: 23 Nov 2020 13:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD05066

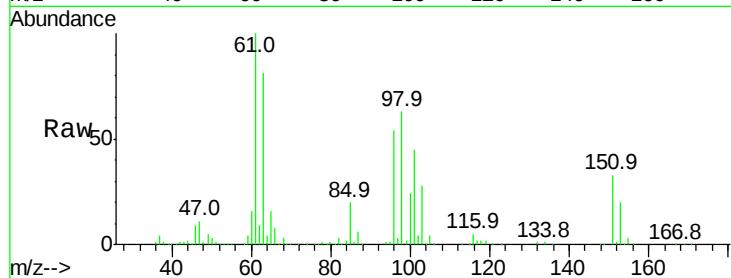
Tgt Ion: 101 Resp: 129440

Ion Ratio Lower Upper

101 100

85 44.4 35.8 53.6

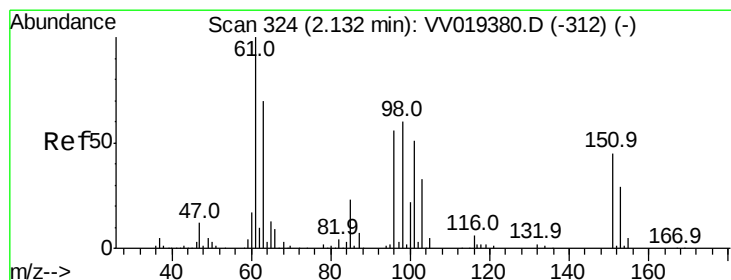
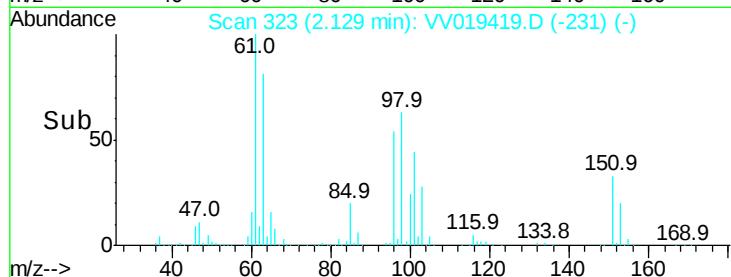
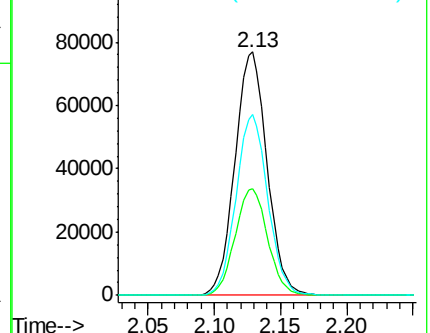
151 73.6 69.2 103.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 53.224 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV019419.D

Acq: 23 Nov 2020 13:14

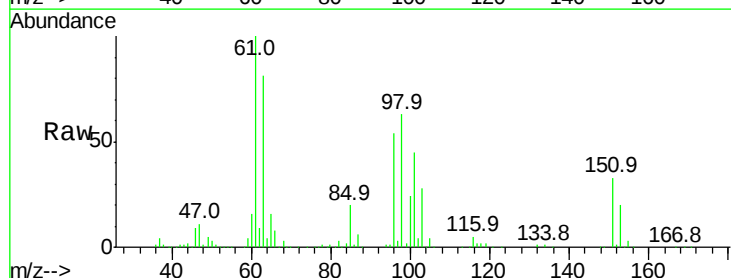
Tgt Ion: 96 Resp: 134264

Ion Ratio Lower Upper

96 100

61 185.7 121.0 224.8

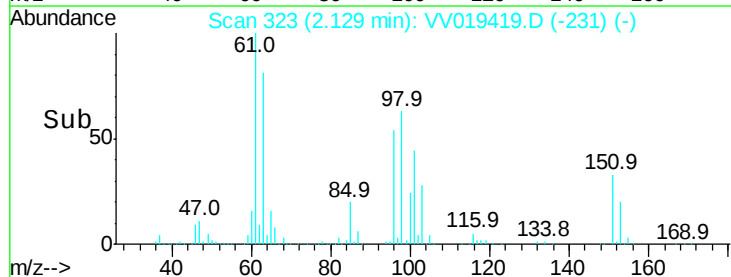
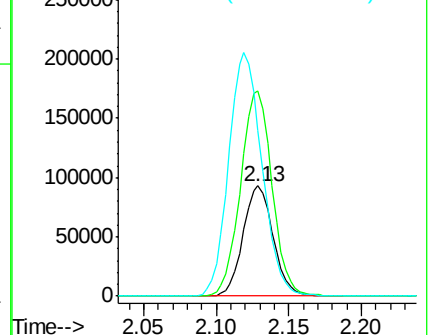
63 150.2 86.2 160.0

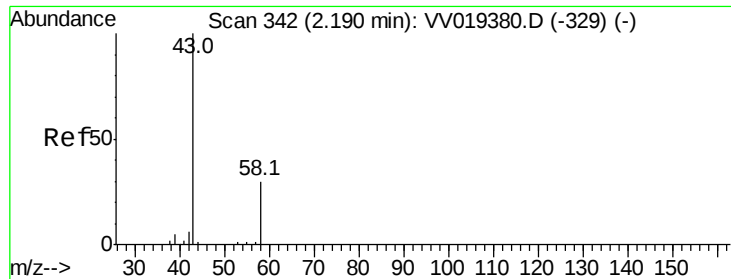


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 135.037 ug/L

RT: 2.17 min Scan# 336

Delta R.T. -0.02 min

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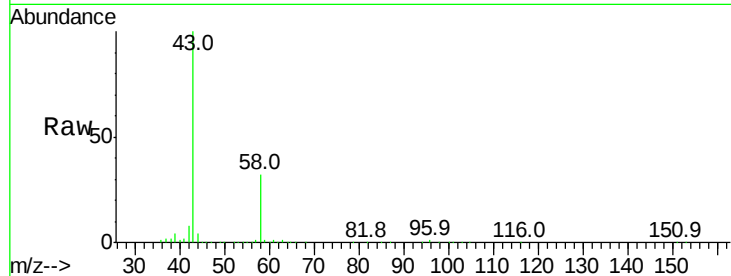
VSTD05066

Tgt Ion: 43 Resp: 167334

Ion Ratio Lower Upper

43 100

58 33.2 0.0 55.8



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

2.17

120000

100000

80000

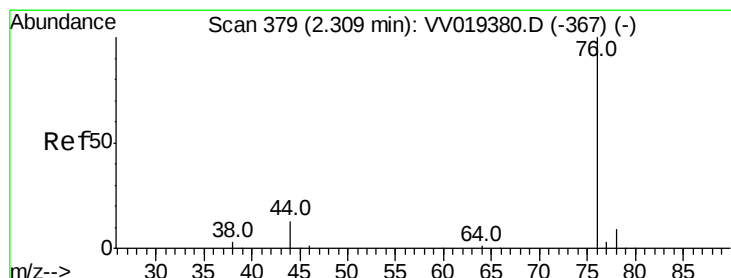
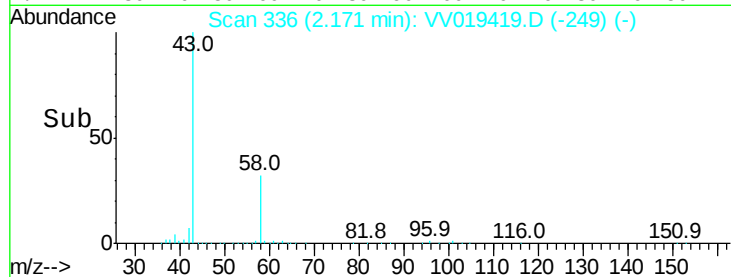
60000

40000

20000

0

Time--> 2.10 2.15 2.20 2.25



#14

Carbon disulfide

Concen: 56.227 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV019419.D

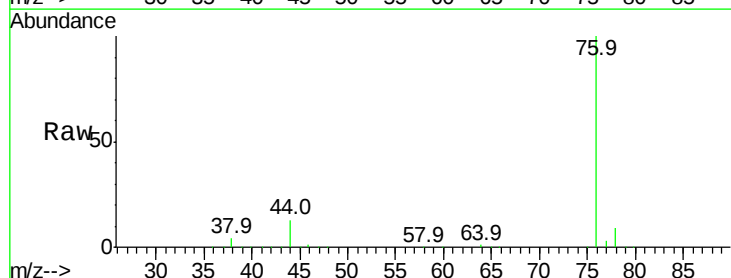
Acq: 23 Nov 2020 13:14

Tgt Ion: 76 Resp: 392194

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0

2.31

300000

250000

200000

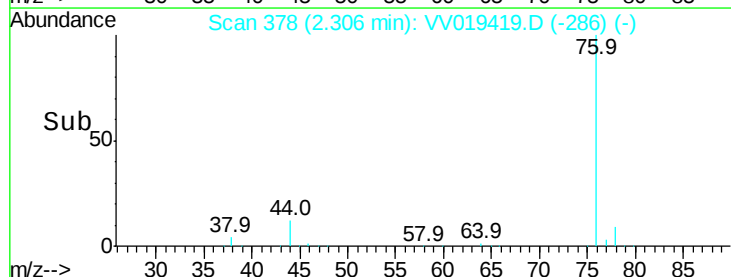
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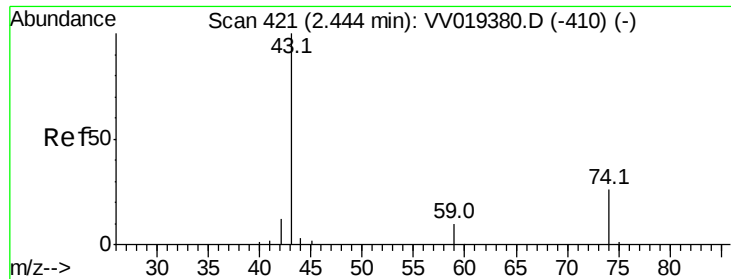
100000

50000

0

Time--> 2.25 2.30 2.35





#15

Methyl Acetate

Concen: 83.357 ug/L

RT: 2.44 min Scan# 420

Delta R.T. -0.01 min

Lab File: VV019419.D

Acq: 23 Nov 2020 13:14

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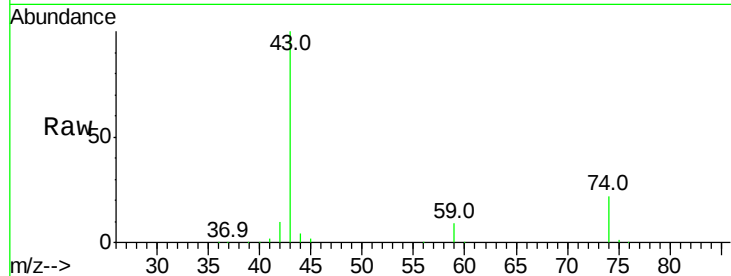
VSTD05066

Tgt Ion: 43 Resp: 174385

Ion Ratio Lower Upper

43 100

74 22.3 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0

2.44

120000

100000

80000

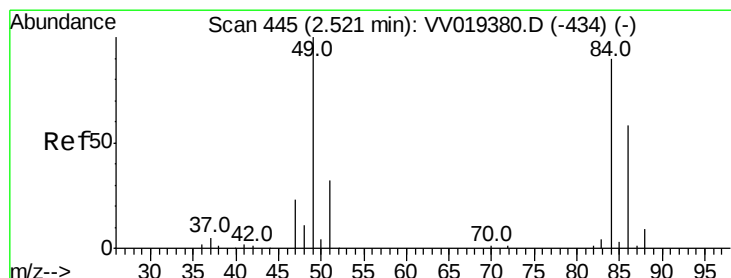
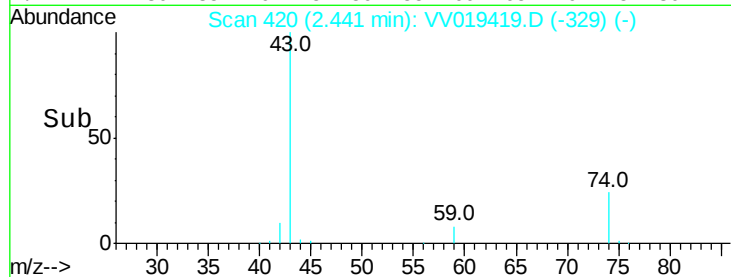
60000

40000

20000

0

Time-->



#16

Methylene chloride

Concen: 61.002 ug/L

RT: 2.52 min Scan# 445

Delta R.T. -0.00 min

Lab File: VV019419.D

Acq: 23 Nov 2020 13:14

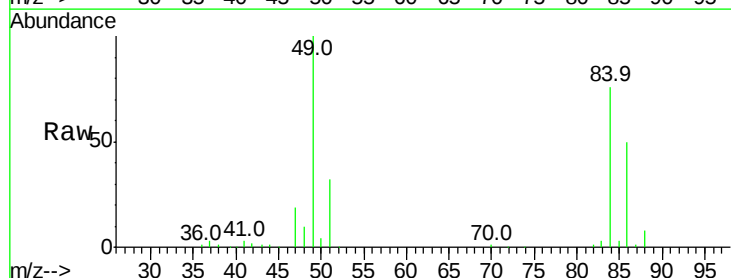
Tgt Ion: 84 Resp: 154527

Ion Ratio Lower Upper

84 100

86 65.5 45.6 84.8

49 131.5 80.2 149.0



Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0

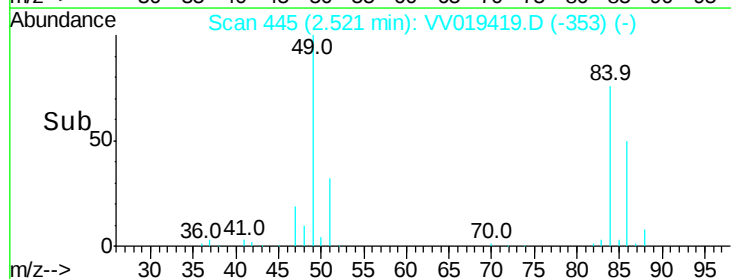
150000

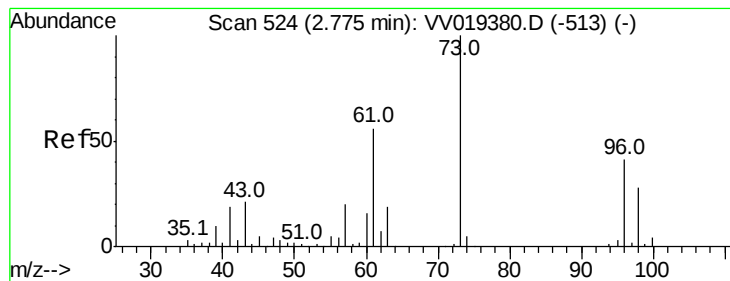
100000

50000

0

Time-->





#17

trans-1,2-Dichloroethene

Concen: 55.986 ug/L

RT: 2.78 min Scan# 524

Delta R.T. -0.00 min

Lab File: VV019419.D

Acq: 23 Nov 2020 13:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD05066

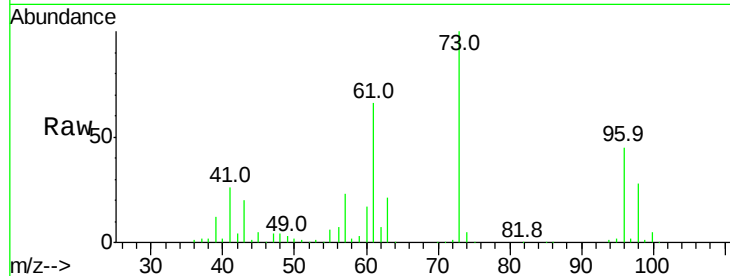
Tgt Ion: 96 Resp: 135853

Ion Ratio Lower Upper

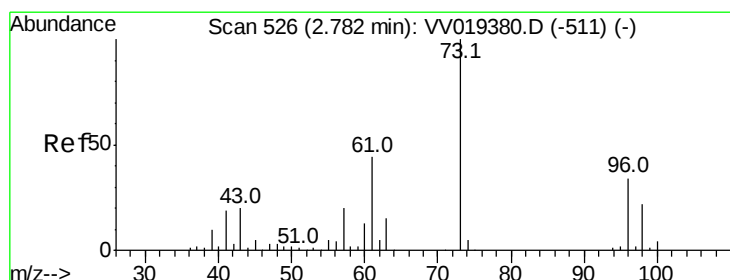
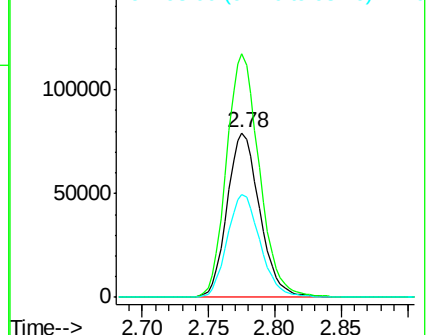
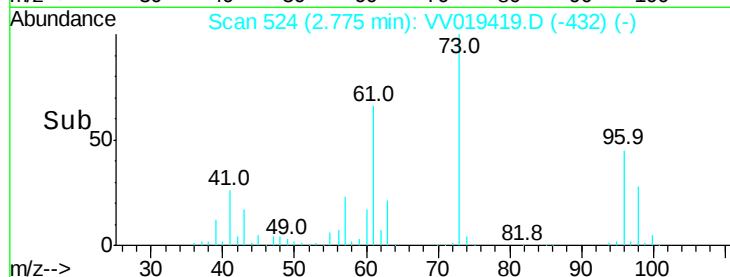
96 100

61 148.1 91.8 170.6

98 62.8 45.1 83.7



Abundance Ion 96.00 (95.70 to 96.70): VV019419.D (-432) (-)



#18

Methyl tert-butyl Ether

Concen: 55.638 ug/L

RT: 2.78 min Scan# 526

Delta R.T. -0.00 min

Lab File: VV019419.D

Acq: 23 Nov 2020 13:14

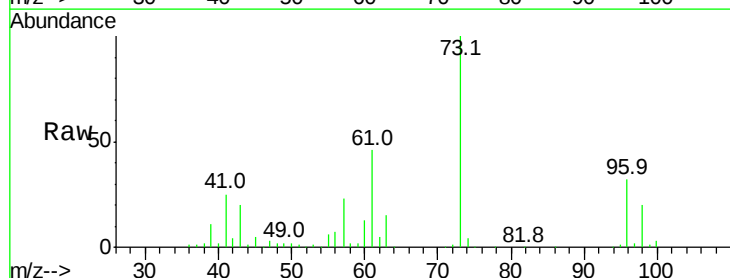
Tgt Ion: 73 Resp: 433756

Ion Ratio Lower Upper

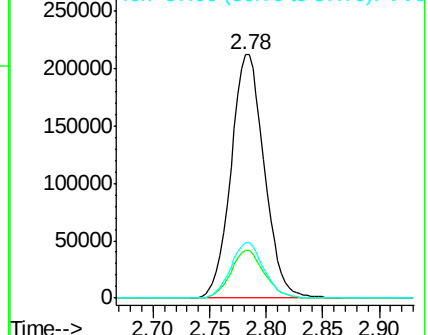
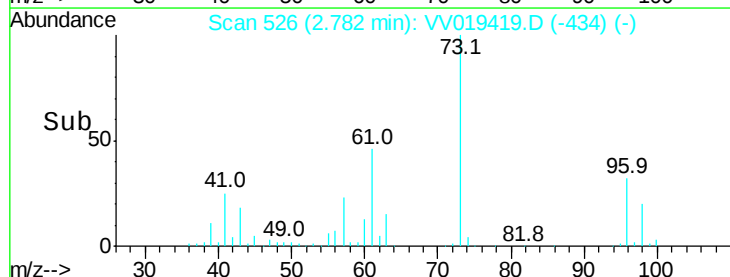
73 100

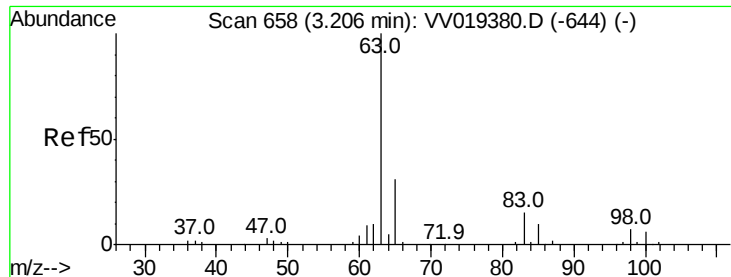
43 19.5 17.2 25.8

57 22.9 15.9 23.9



Abundance Ion 73.00 (72.70 to 73.70): VV019419.D (-434) (-)

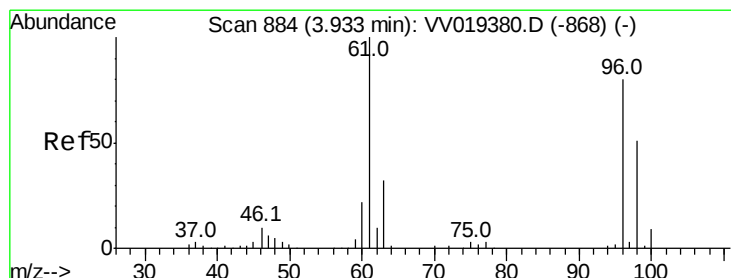
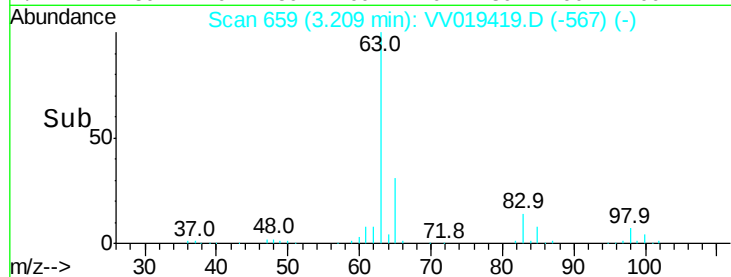
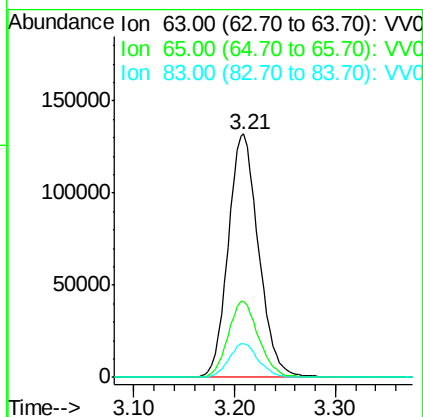
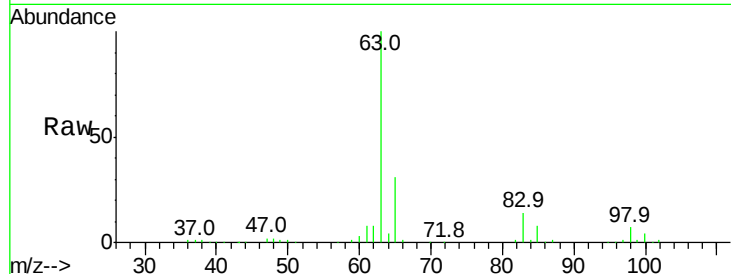




#19
 1,1-Dichloroethane
 Concen: 65.774 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VV019419.D
 Acq: 23 Nov 2020 13:14

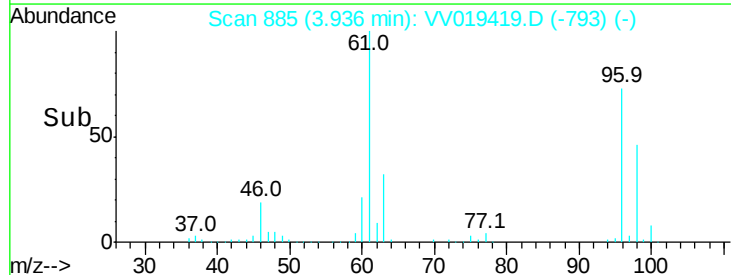
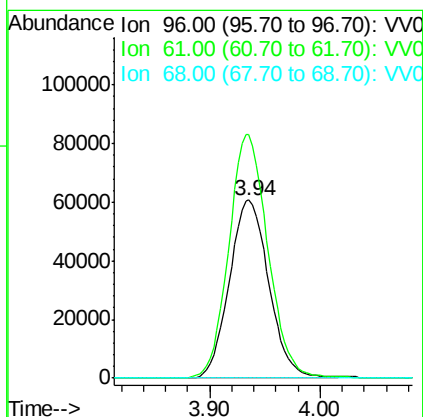
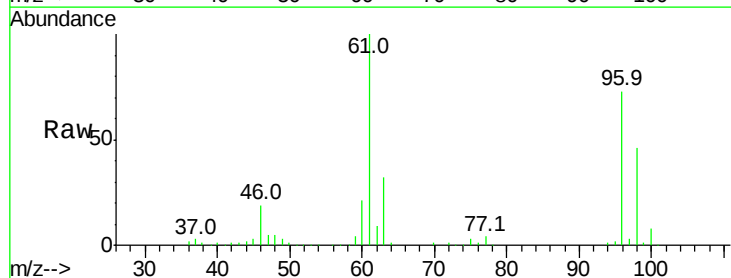
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05066

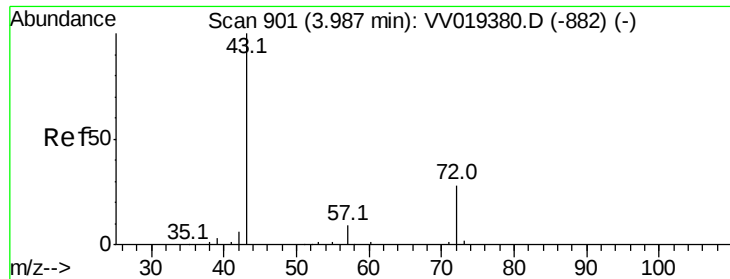
Tgt Ion:	63	Resp:	276739
Ion	Ratio	Lower	Upper
63	100		
65	31.1	23.0	42.8
83	14.0	10.7	19.9



#20
 cis-1,2-Dichloroethene
 Concen: 58.486 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. -0.00 min
 Lab File: VV019419.D
 Acq: 23 Nov 2020 13:14

Tgt Ion:	96	Resp:	150235
Ion	Ratio	Lower	Upper
96	100		
61	136.4	88.2	163.8
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 172.736 ug/L

RT: 3.98 min Scan# 898

Delta R.T. -0.02 min

Lab File: VV019419.D

Acq: 23 Nov 2020 13:14

Instrument :

MSVOA_V

ClientSampleId :

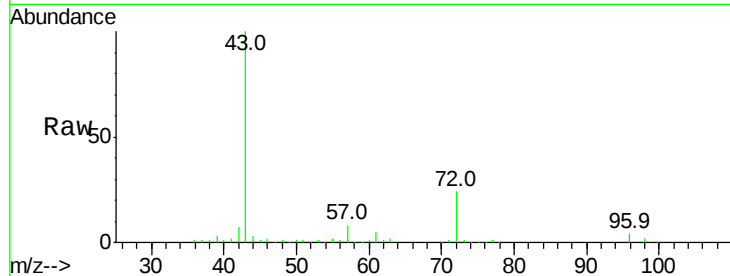
VSTD05066

Tgt Ion: 43 Resp: 245454

Ion Ratio Lower Upper

43 100

72 25.4 13.1 39.3



Abundance Ion 43.00 (42.70 to 43.70): VV019419.D (-898) (-)

Ion 72.00 (71.70 to 72.70): VV019419.D (-898) (-)

3.98

100000

80000

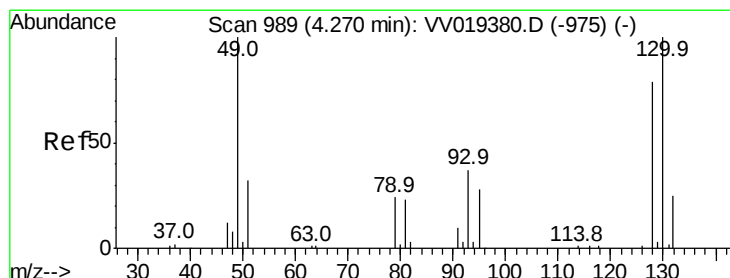
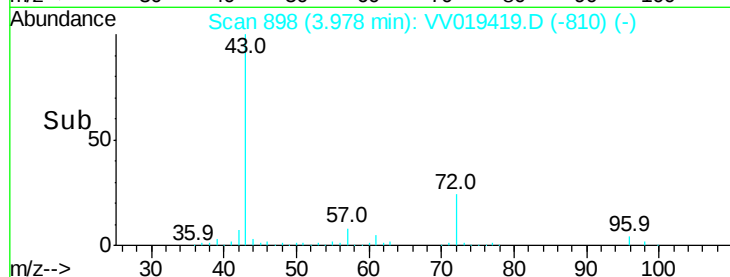
60000

40000

20000

0

Time-->



#23

Bromochloromethane

Concen: 53.264 ug/L

RT: 4.27 min Scan# 989

Delta R.T. -0.00 min

Lab File: VV019419.D

Acq: 23 Nov 2020 13:14

Tgt Ion: 128 Resp: 78907

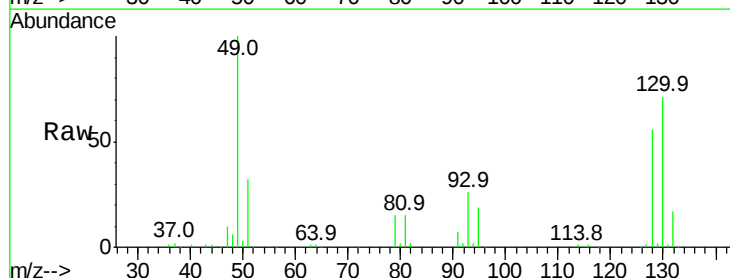
Ion Ratio Lower Upper

128 100

49 180.1 86.2 160.0#

130 127.7 94.0 174.6

51 58.1 30.6 46.0#



Abundance Ion 128.00 (127.70 to 128.70): VV019419.D (-899) (-)

Ion 49.00 (48.70 to 49.70): VV019419.D (-899) (-)

Ion 130.00 (129.70 to 130.70): VV019419.D (-899) (-)

Ion 51.00 (50.70 to 51.70): VV019419.D (-899) (-)

4.27

80000

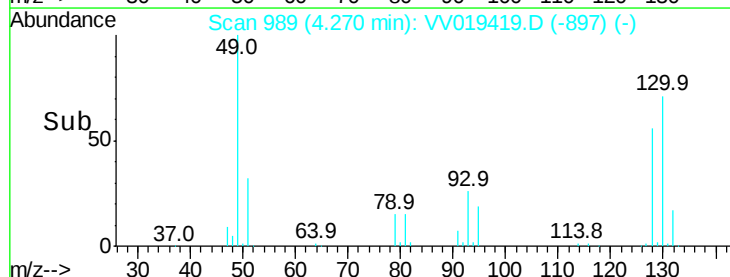
60000

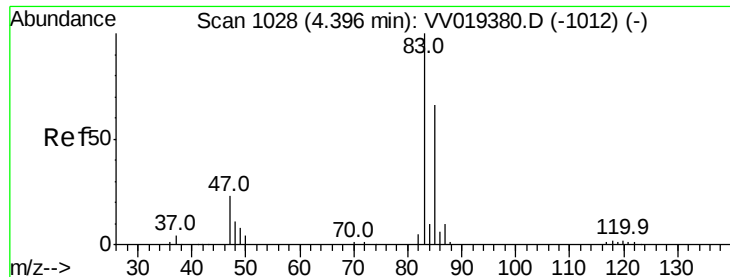
40000

20000

0

Time-->

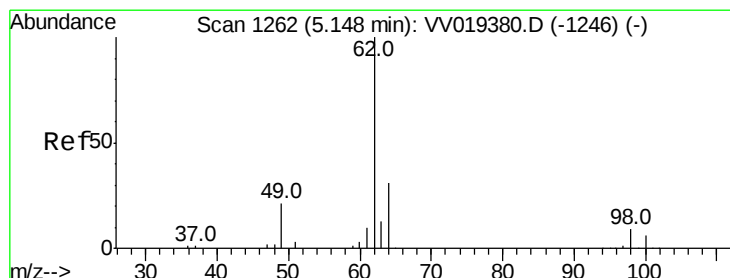
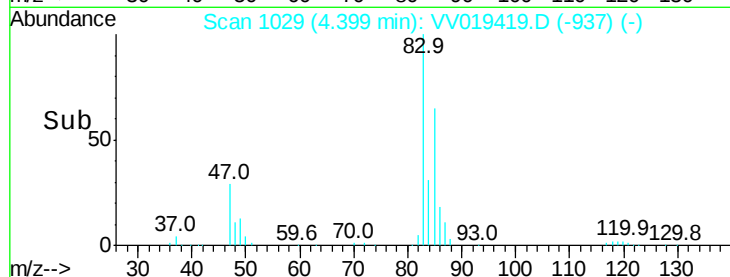
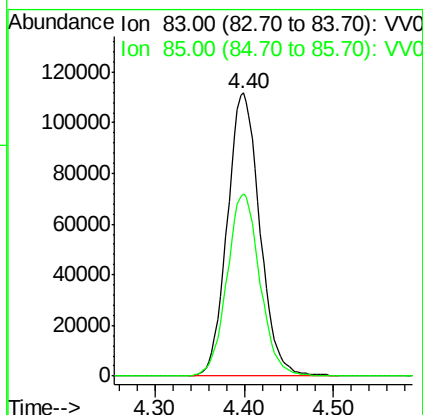
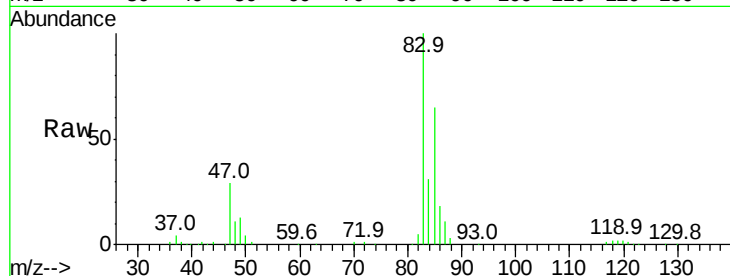




#25
Chloroform
Concen: 57.760 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VV019419.D
Acq: 23 Nov 2020 13:14

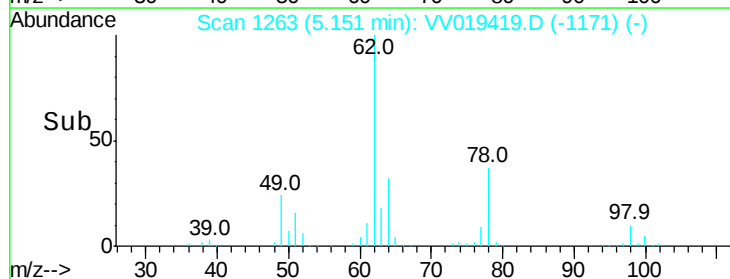
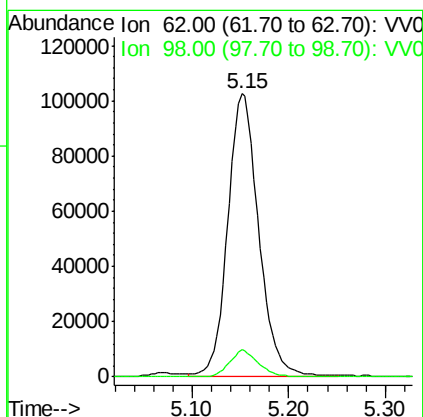
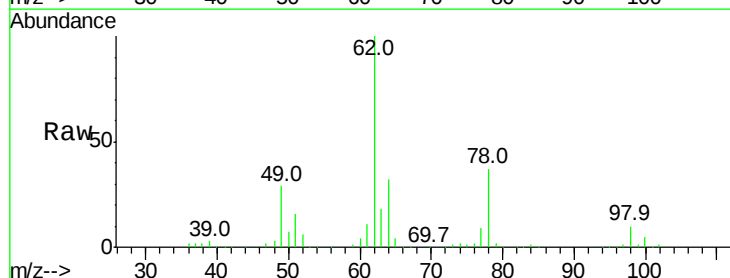
Instrument :
MSVOA_V
ClientSampleId :
VSTD05066

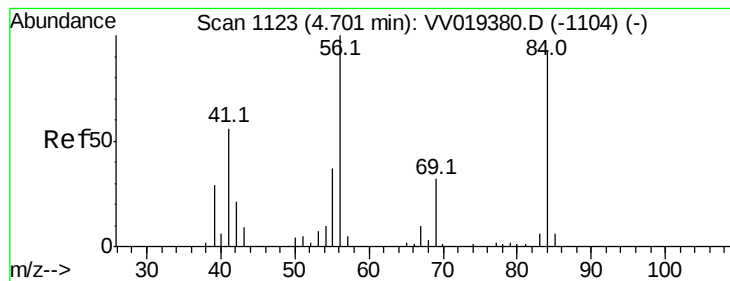
Tgt Ion: 83 Resp: 282657
Ion Ratio Lower Upper
83 100
85 64.5 44.0 81.8



#27
1,2-Dichloroethane
Concen: 54.605 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VV019419.D
Acq: 23 Nov 2020 13:14

Tgt Ion: 62 Resp: 226370
Ion Ratio Lower Upper
62 100
98 9.5 6.7 10.1





#29

Cyclohexane

Concen: 61.829 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VV019419.D

Acq: 23 Nov 2020 13:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD05066

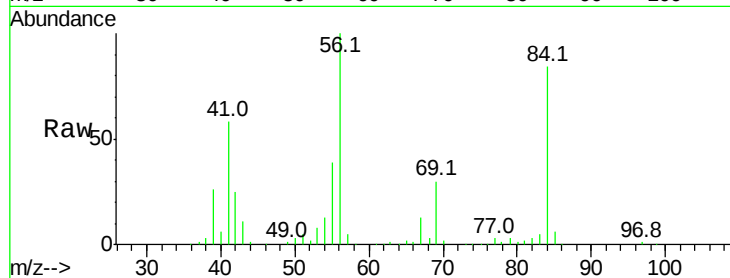
Tgt Ion: 56 Resp: 205610

Ion Ratio Lower Upper

56 100

69 29.8 26.7 40.1

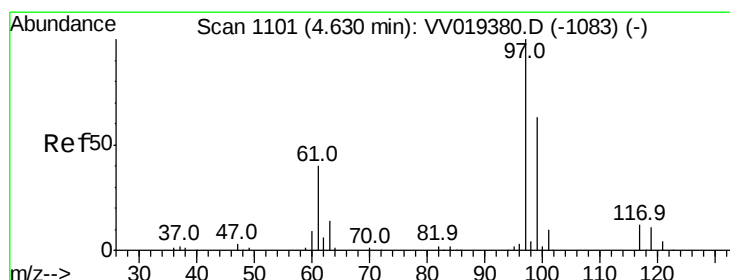
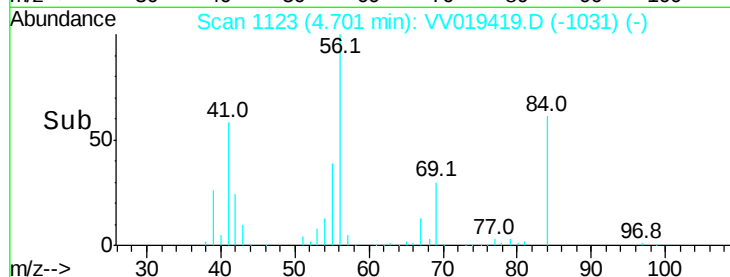
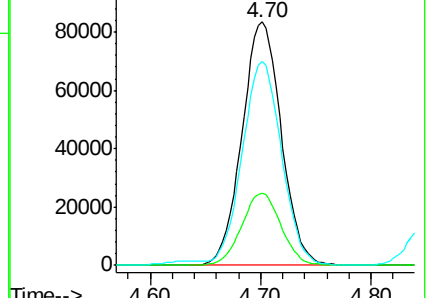
84 83.8 79.5 119.3



Abundance Ion 56.00 (55.70 to 56.70): VV019380.D (-1104) (-)

Ion 69.00 (68.70 to 69.70): VV019380.D (-1104) (-)

Ion 84.00 (83.70 to 84.70): VV019380.D (-1104) (-)



#30

1,1,1-Trichloroethane

Concen: 45.906 ug/L

RT: 4.63 min Scan# 1101

Delta R.T. -0.00 min

Lab File: VV019419.D

Acq: 23 Nov 2020 13:14

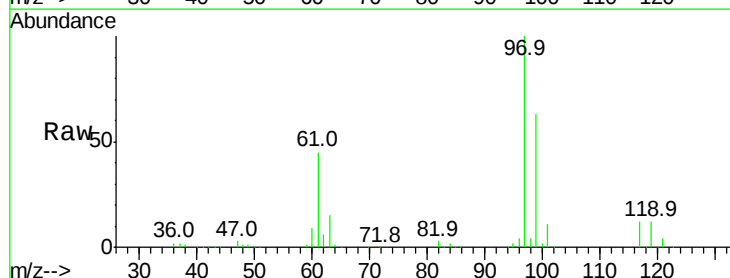
Tgt Ion: 97 Resp: 232017

Ion Ratio Lower Upper

97 100

99 63.8 51.0 76.6

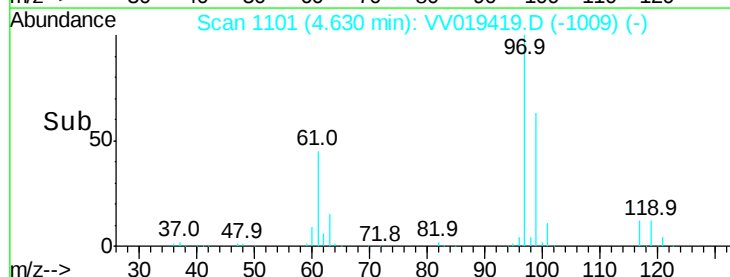
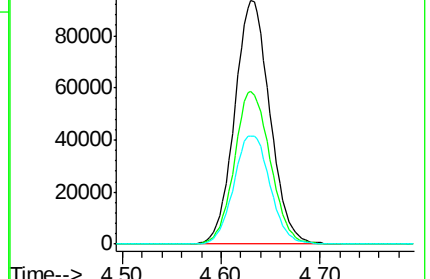
61 46.1 33.2 49.8

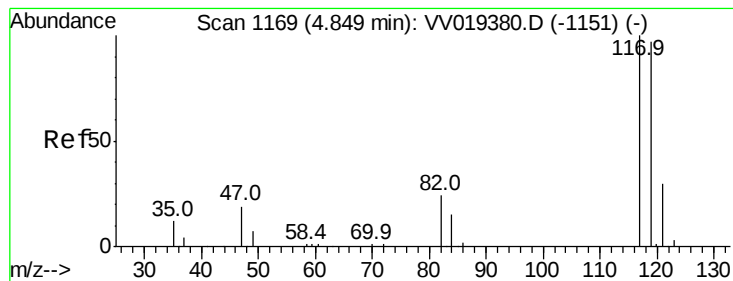


Abundance Ion 97.00 (96.70 to 97.70): VV019380.D (-1083) (-)

Ion 99.00 (98.70 to 99.70): VV019380.D (-1083) (-)

Ion 61.05 (60.75 to 61.75): VV019380.D (-1083) (-)





#31

Carbon tetrachloride

Concen: 43.833 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VV019419.D

Acq: 23 Nov 2020 13:14

Instrument :

MSVOA_V

ClientSampleId :

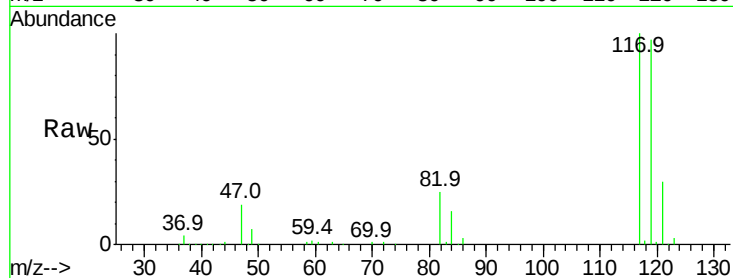
VSTD05066

Tgt Ion:117 Resp: 199503

Ion Ratio Lower Upper

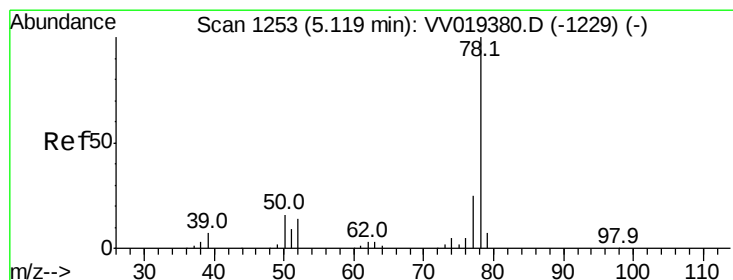
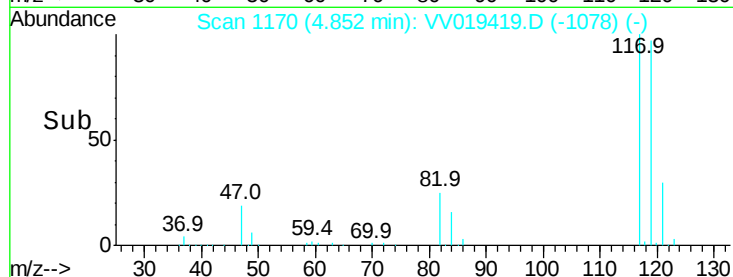
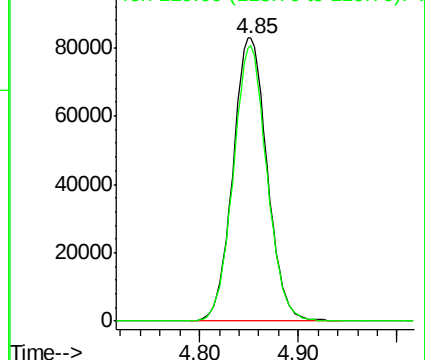
117 100

119 95.3 77.0 115.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 60.965 ug/L

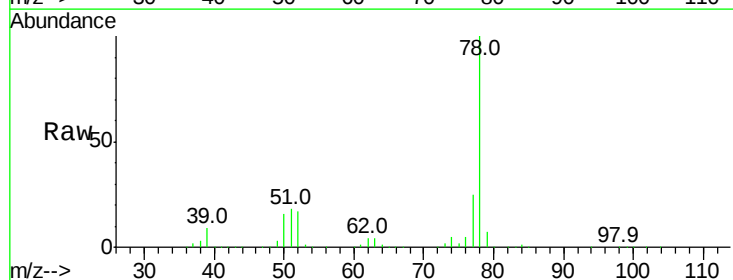
RT: 5.12 min Scan# 1254

Delta R.T. -0.00 min

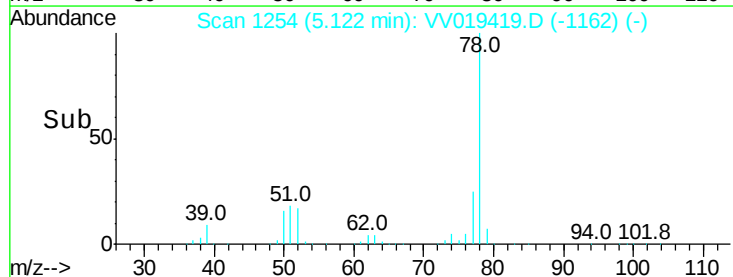
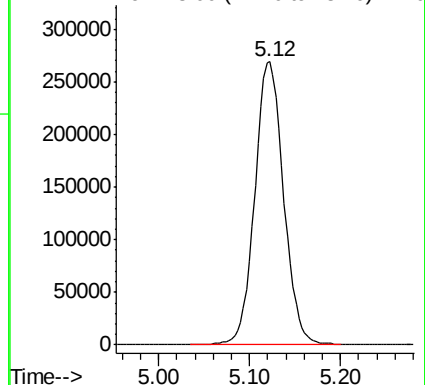
Lab File: VV019419.D

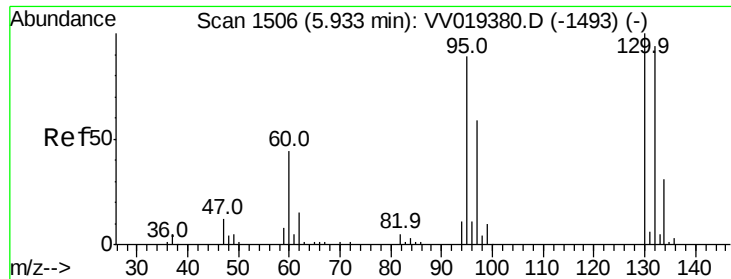
Acq: 23 Nov 2020 13:14

Tgt Ion: 78 Resp: 591714



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 53.773 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VV019419.D

Acq: 23 Nov 2020 13:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD05066

Tgt Ion: 95 Resp: 157407

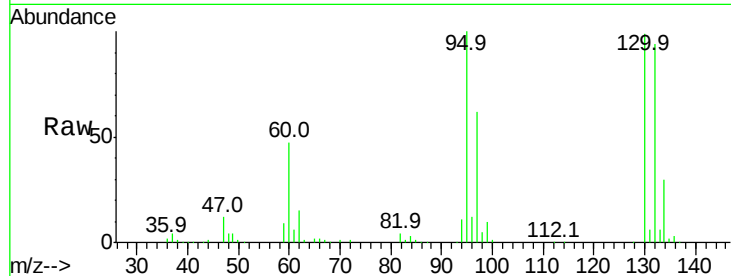
Ion Ratio Lower Upper

95 100

97 62.5 46.8 86.8

132 93.7 75.5 140.3

130 98.9 77.7 144.3

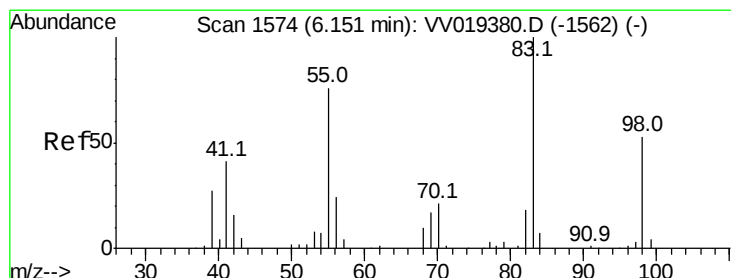
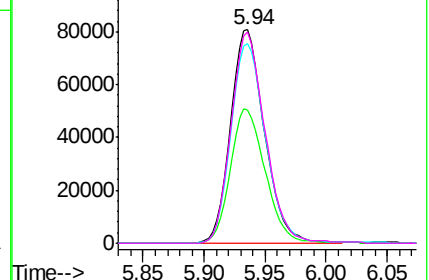
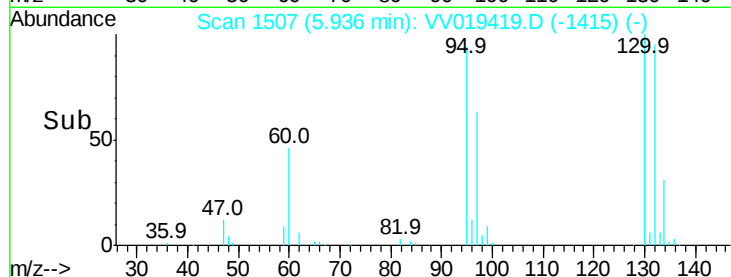


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 53.530 ug/L

RT: 6.15 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VV019419.D

Acq: 23 Nov 2020 13:14

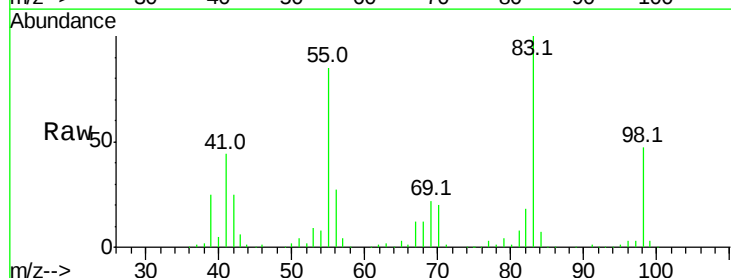
Tgt Ion: 83 Resp: 193654

Ion Ratio Lower Upper

83 100

55 84.3 58.6 88.0

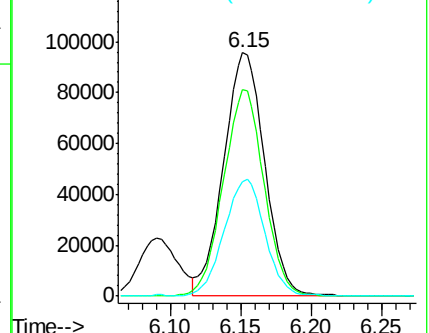
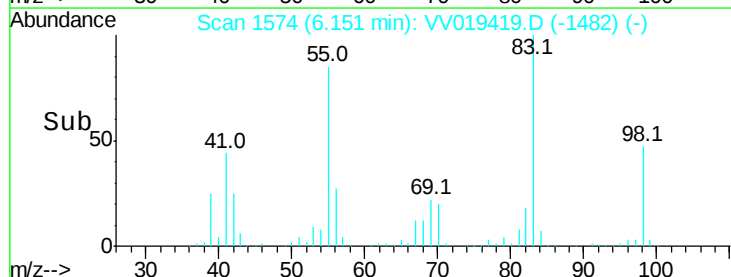
98 47.9 41.4 62.0

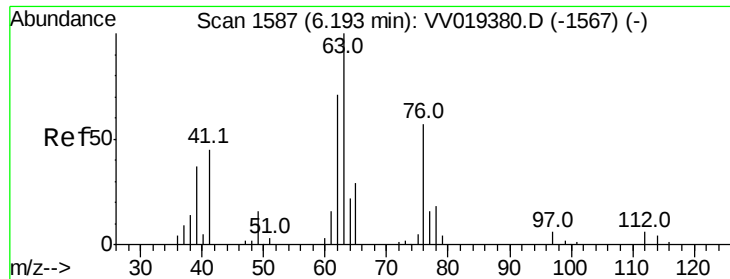


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

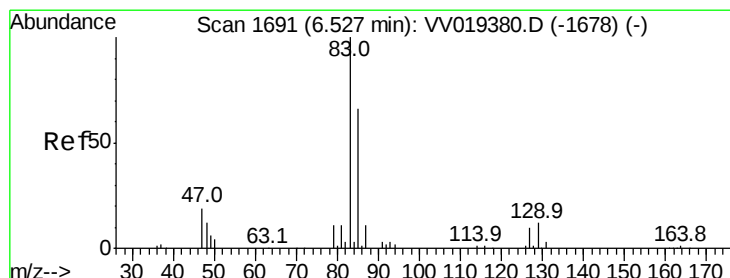
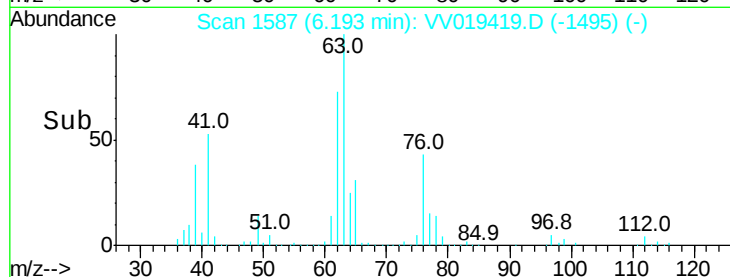
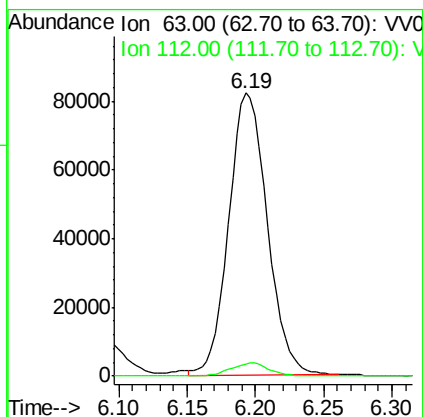
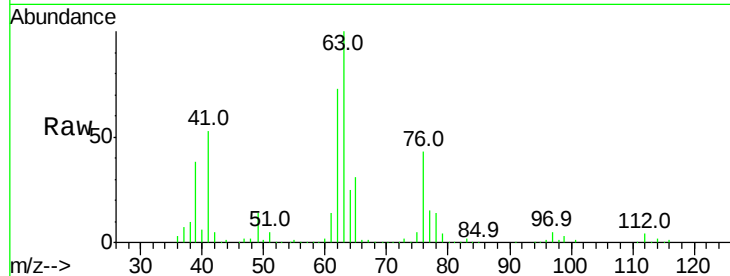




#37
 1,2-Dichloropropane
 Concen: 68.078 ug/L
 RT: 6.19 min Scan# 1587
 Delta R.T. -0.00 min
 Lab File: VV019419.D
 Acq: 23 Nov 2020 13:14

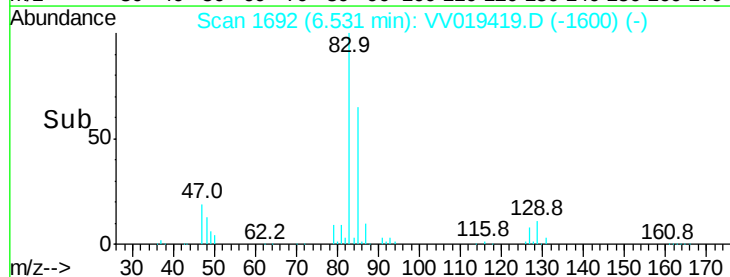
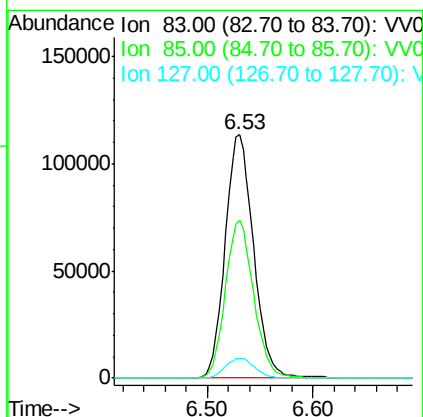
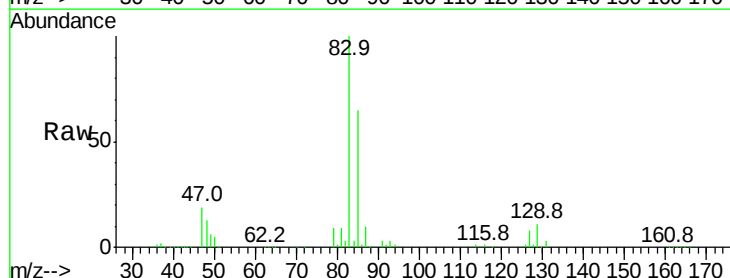
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05066

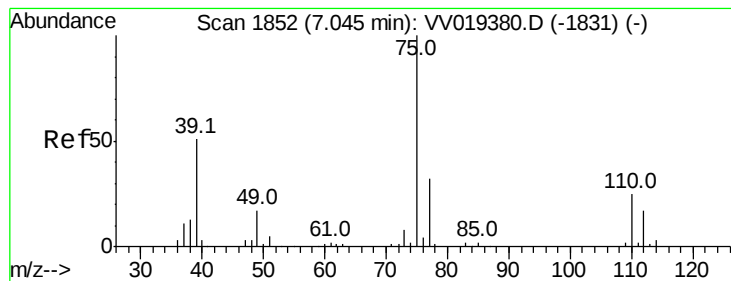
Tgt Ion: 63 Resp: 160593
 Ion Ratio Lower Upper
 63 100
 112 4.7 4.6 6.8



#38
 Bromodichloromethane
 Concen: 55.126 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. -0.00 min
 Lab File: VV019419.D
 Acq: 23 Nov 2020 13:14

Tgt Ion: 83 Resp: 211378
 Ion Ratio Lower Upper
 83 100
 85 64.7 45.1 83.7
 127 8.2 7.2 10.8



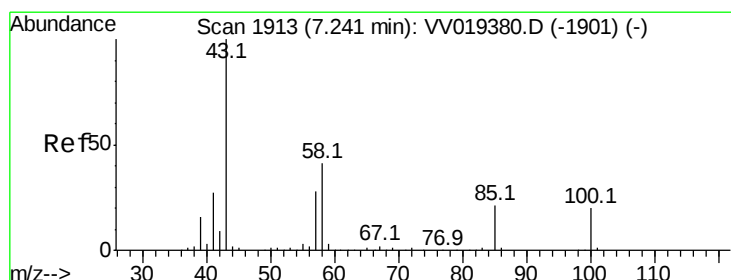
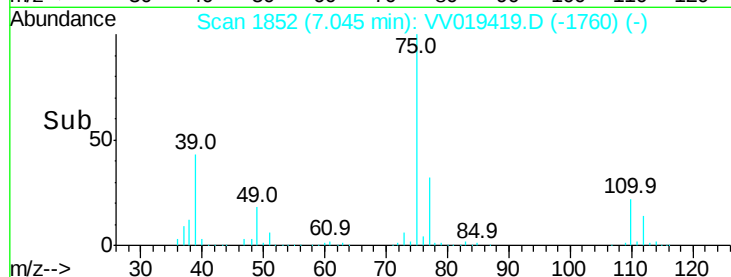
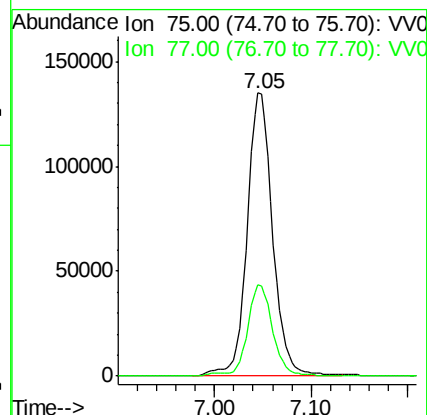
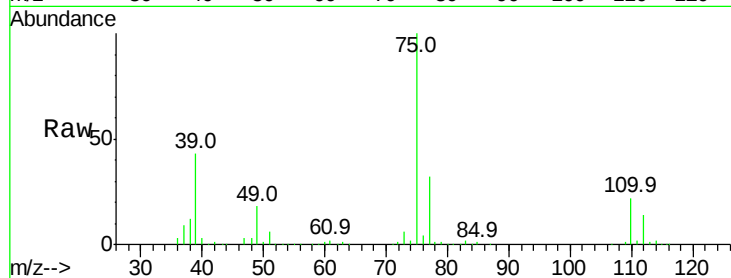


#39

cis-1,3-Dichloropropene
Concen: 61.243 ug/L
RT: 7.05 min Scan# 1852
Delta R.T. -0.00 min
Lab File: VV019419.D
Acq: 23 Nov 2020 13:14

Instrument :
MSVOA_V
ClientSampled :
VSTD05066

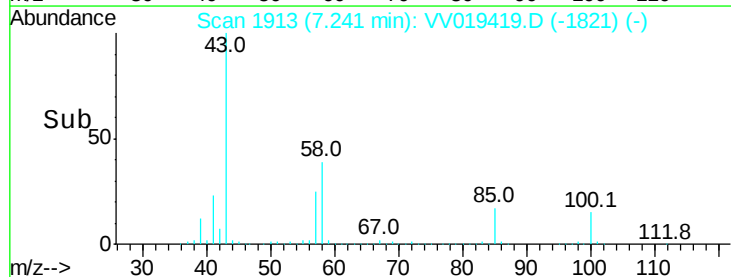
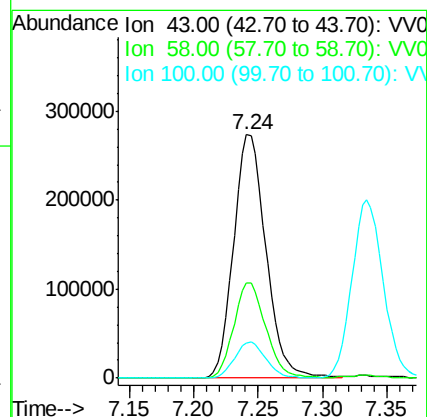
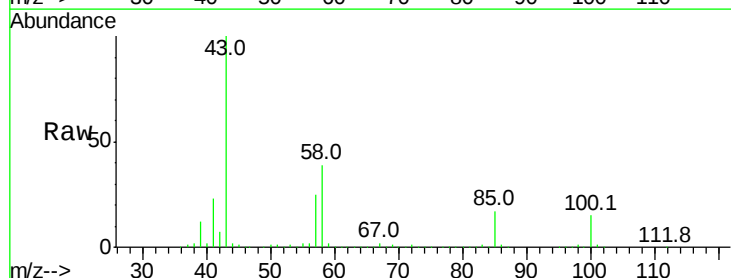
Tgt Ion: 75 Resp: 247686
Ion Ratio Lower Upper
75 100
77 32.1 22.7 42.1

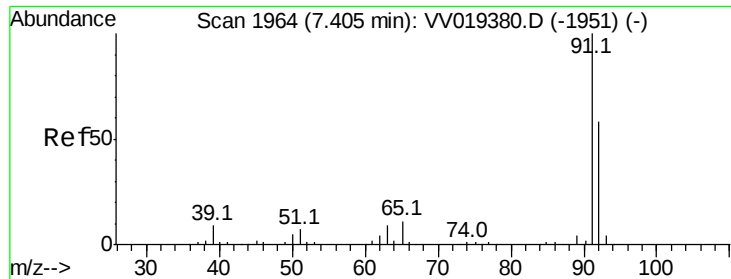


#40

4-Methyl-2-pentanone
Concen: 160.612 ug/L
RT: 7.24 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VV019419.D
Acq: 23 Nov 2020 13:14

Tgt Ion: 43 Resp: 478061
Ion Ratio Lower Upper
43 100
58 38.7 32.7 49.1
100 14.6 15.9 23.9#





#42

Toluene

Concen: 57.128 ug/L

RT: 7.41 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VV019419.D

Acq: 23 Nov 2020 13:14

Instrument :

MSVOA_V

ClientSampleId :

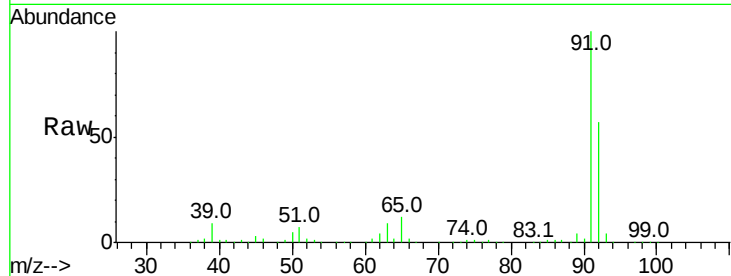
VSTD05066

Tgt Ion: 91 Resp: 623723

Ion Ratio Lower Upper

91 100

92 57.2 40.5 75.3



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

7.41

400000

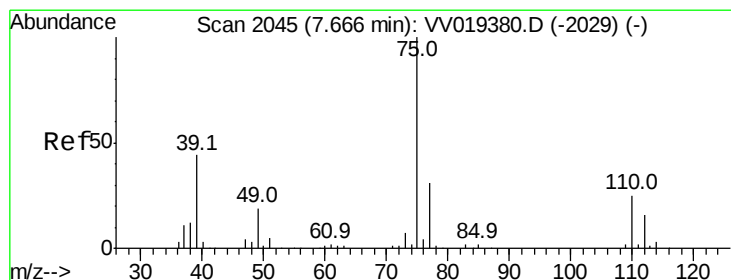
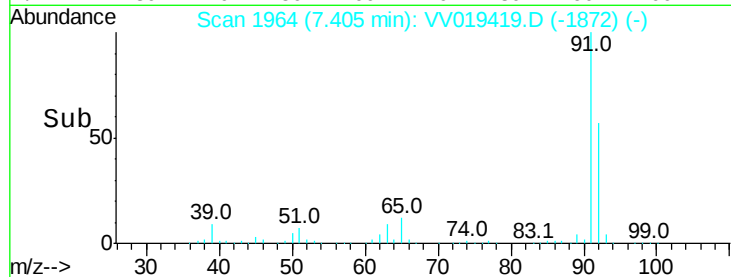
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 57.500 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VV019419.D

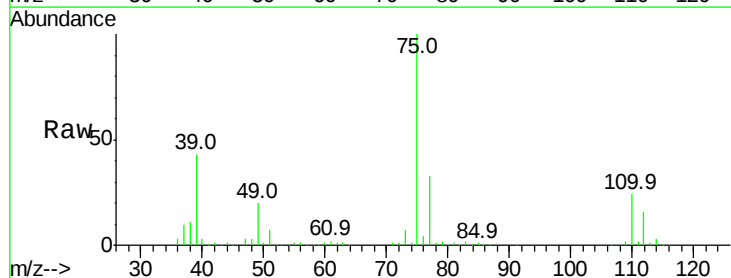
Acq: 23 Nov 2020 13:14

Tgt Ion: 75 Resp: 247699

Ion Ratio Lower Upper

75 100

77 32.6 22.0 41.0



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

7.67

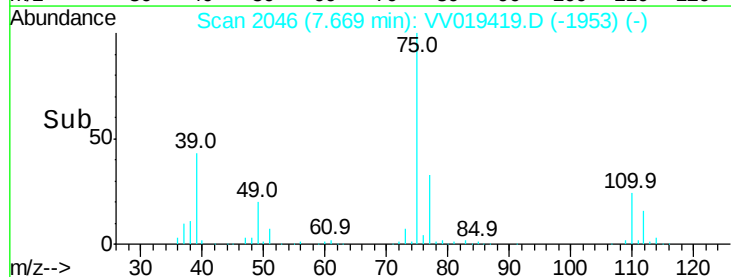
150000

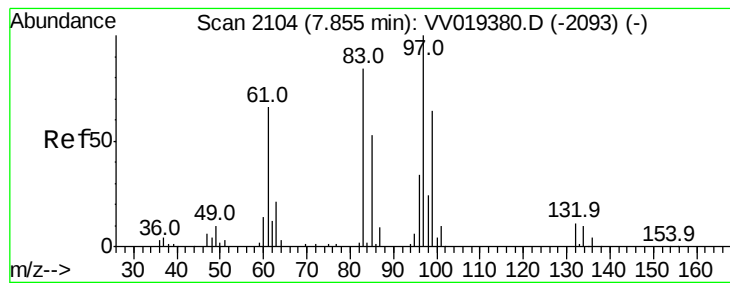
100000

50000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 59.413 ug/L

RT: 7.86 min Scan# 2104

Delta R.T. -0.00 min

Lab File: VV019419.D

Acq: 23 Nov 2020 13:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD05066

Tgt Ion: 97 Resp: 152023

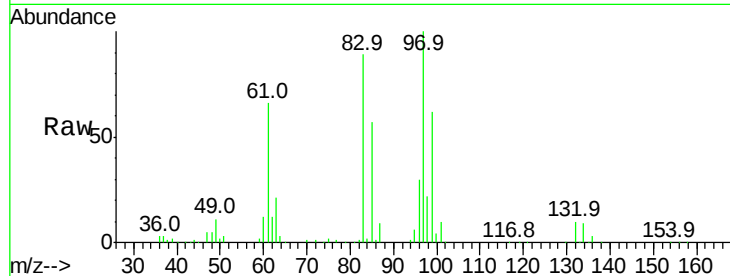
Ion Ratio Lower Upper

97 100

99 62.4 42.5 78.9

83 88.6 58.1 107.9

85 57.2 37.2 69.0

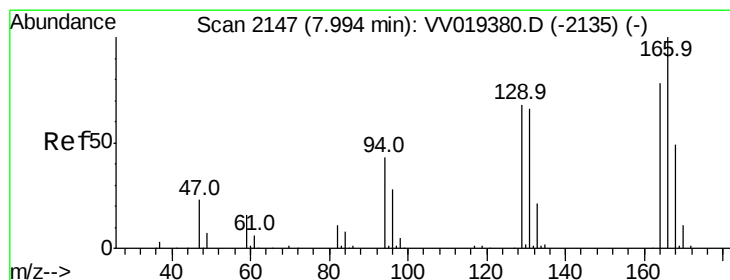
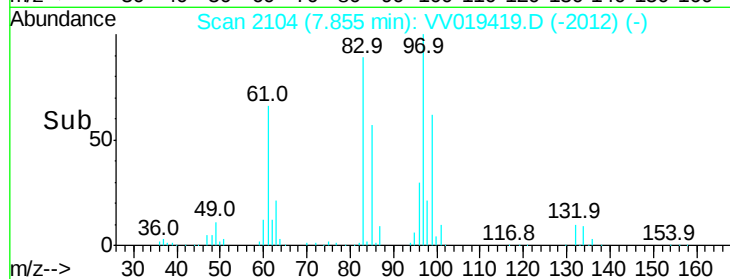
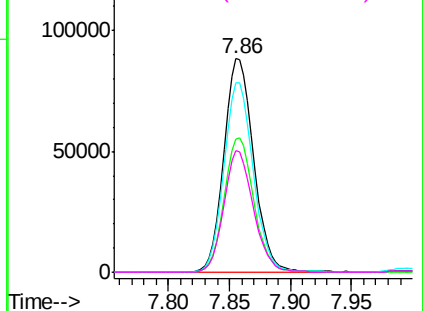


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46

Tetrachloroethene

Concen: 43.297 ug/L

RT: 7.99 min Scan# 2147

Delta R.T. -0.00 min

Lab File: VV019419.D

Acq: 23 Nov 2020 13:14

Tgt Ion: 164 Resp: 111642

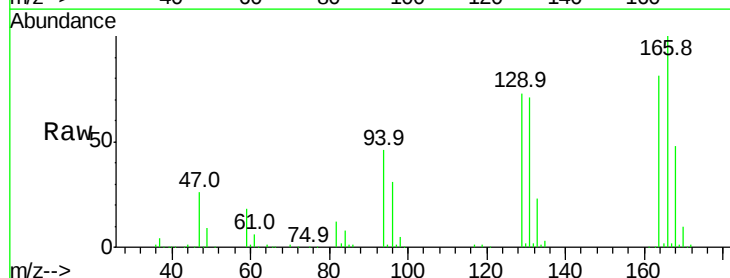
Ion Ratio Lower Upper

164 100

129 89.8 60.9 113.1

131 87.3 58.9 109.5

166 123.5 91.4 169.8

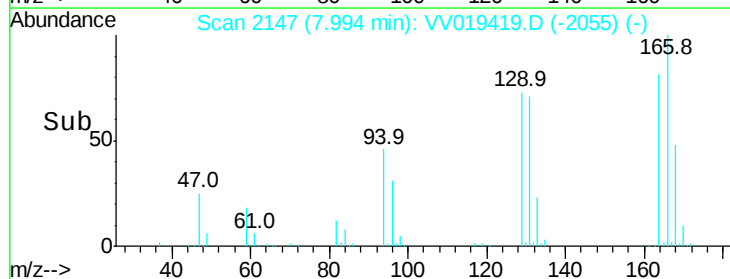
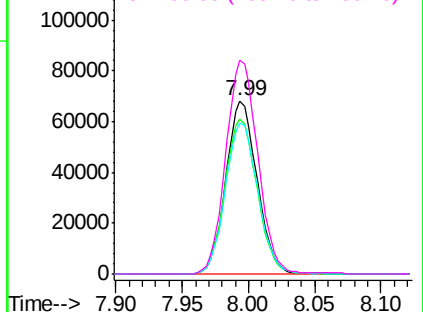


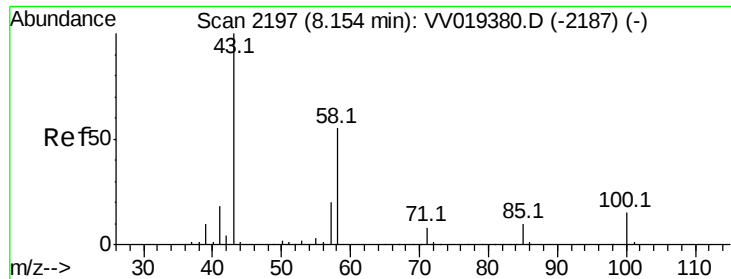
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

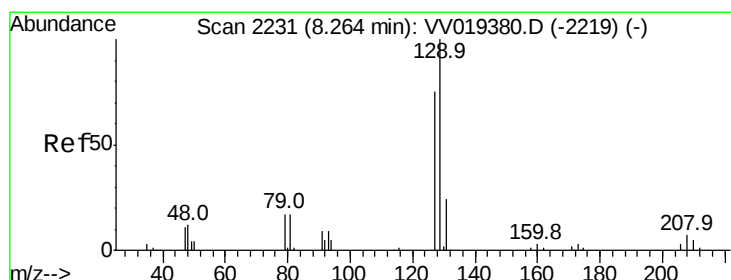
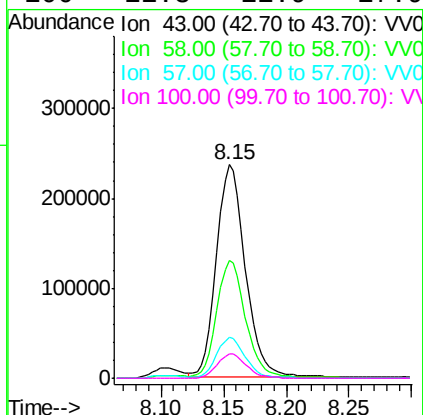
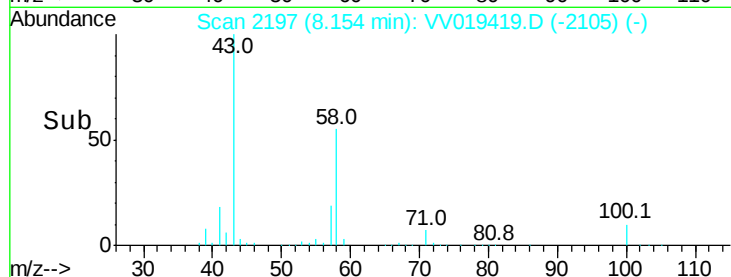
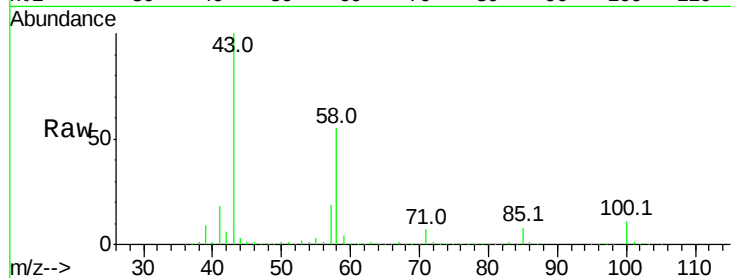




#48
2-Hexanone
Concen: 162.882 ug/L
RT: 8.15 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VV019419.D
Acq: 23 Nov 2020 13:14

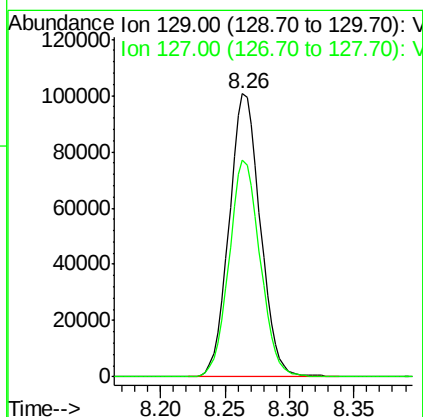
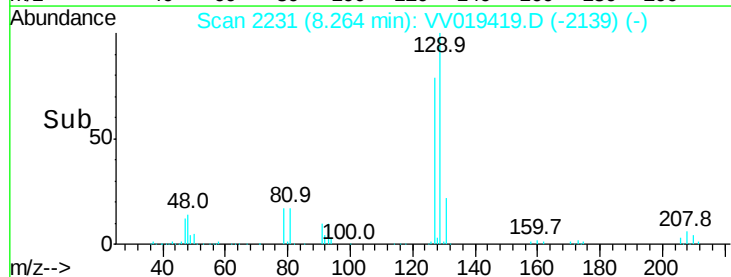
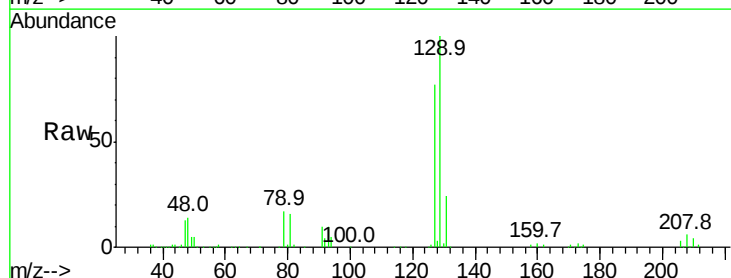
Instrument :
MSVOA_V
ClientSampleId :
VSTD05066

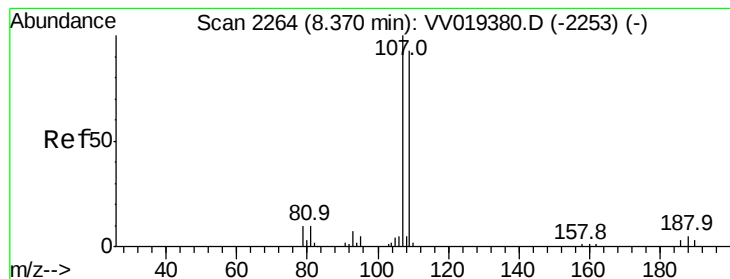
Tgt Ion: 43 Resp: 379957
Ion Ratio Lower Upper
43 100
58 54.7 43.6 65.4
57 19.3 17.2 25.8
100 11.3 11.9 17.9#



#49
Dibromochloromethane
Concen: 51.529 ug/L
RT: 8.26 min Scan# 2231
Delta R.T. -0.00 min
Lab File: VV019419.D
Acq: 23 Nov 2020 13:14

Tgt Ion: 129 Resp: 169208
Ion Ratio Lower Upper
129 100
127 76.5 54.9 102.1





#50

1,2-Dibromoethane

Concen: 57.033 ug/L

RT: 8.37 min Scan# 2264

Delta R.T. -0.00 min

Lab File: VV019419.D

Acq: 23 Nov 2020 13:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD05066

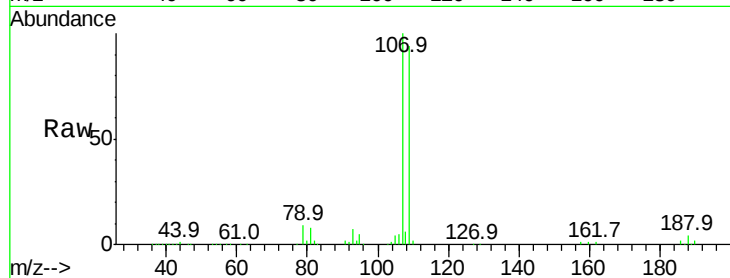
Tgt Ion:107 Resp: 159661

Ion Ratio Lower Upper

107 100

109 94.5 62.9 116.9

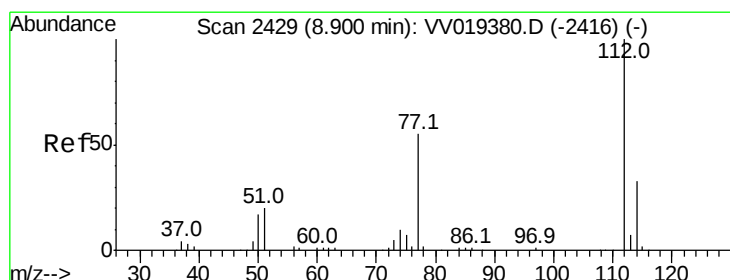
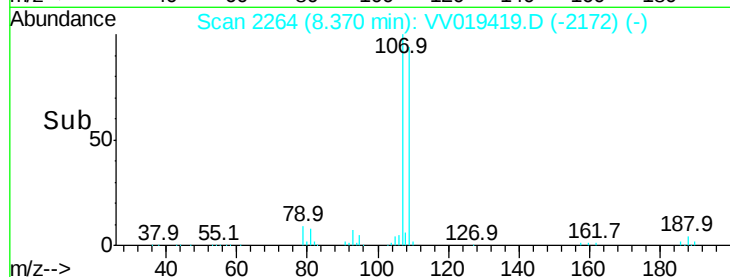
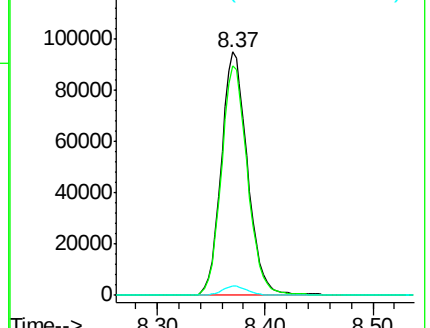
188 3.7 3.6 5.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51

Chlorobenzene

Concen: 52.345 ug/L

RT: 8.90 min Scan# 2429

Delta R.T. 0.00 min

Lab File: VV019419.D

Acq: 23 Nov 2020 13:14

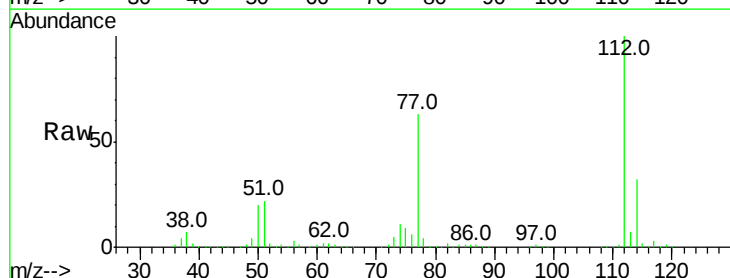
Tgt Ion:112 Resp: 393030

Ion Ratio Lower Upper

112 100

114 32.4 21.8 40.6

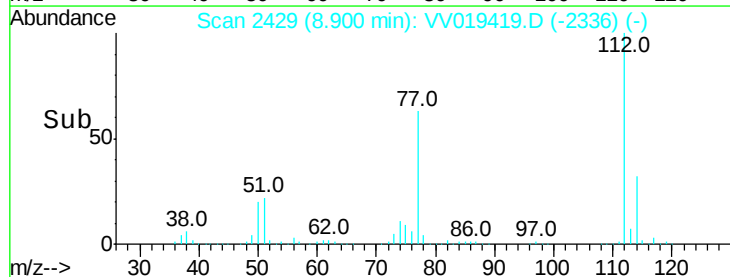
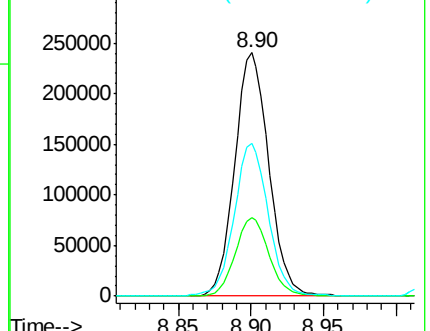
77 62.9 45.1 67.7

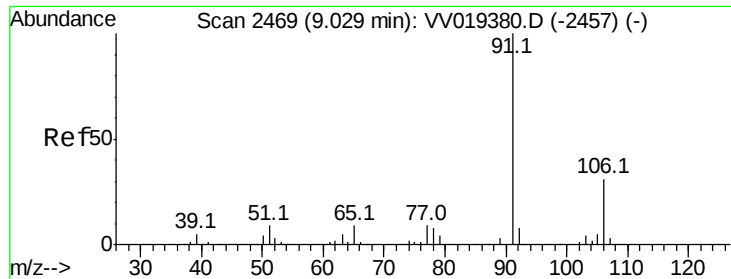


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VV0

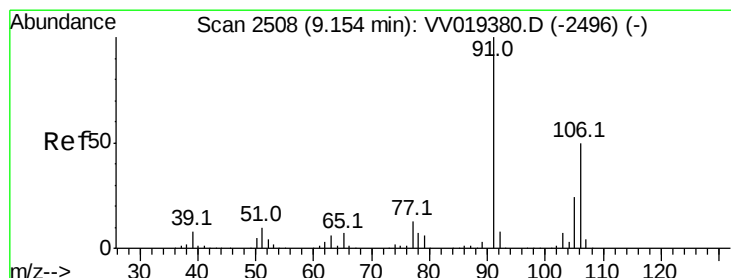
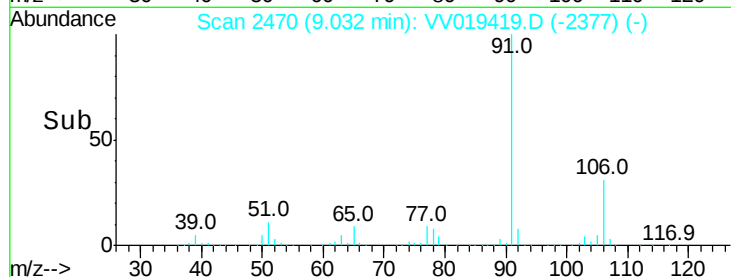
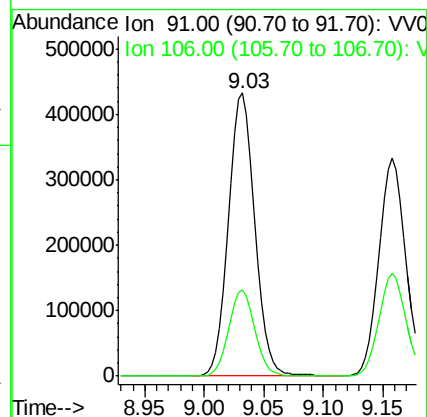
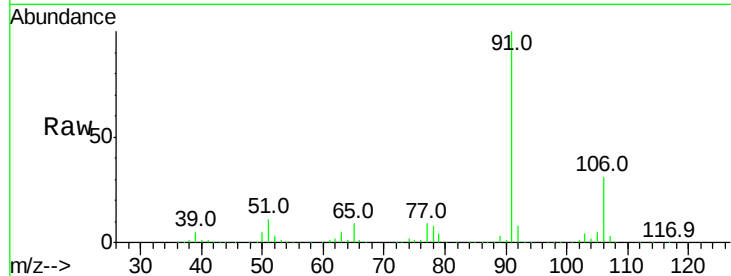




#52
Ethylbenzene
Concen: 54.493 ug/L
RT: 9.03 min Scan# 2470
Delta R.T. 0.00 min
Lab File: VV019419.D
Acq: 23 Nov 2020 13:14

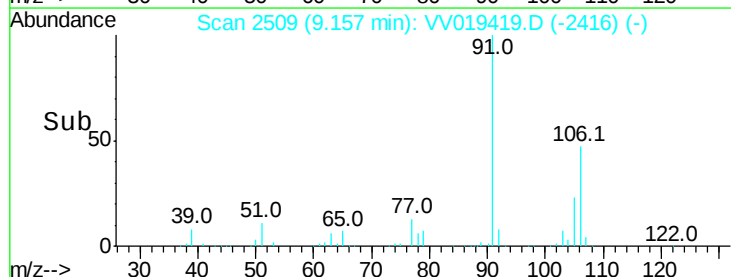
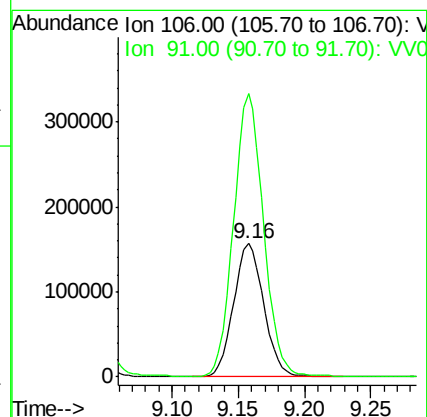
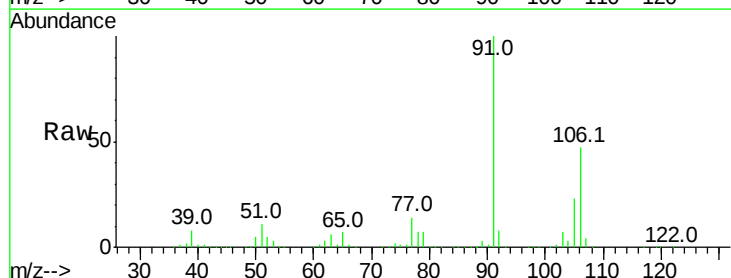
Instrument :
MSVOA_V
ClientSampleId :
VSTD05066

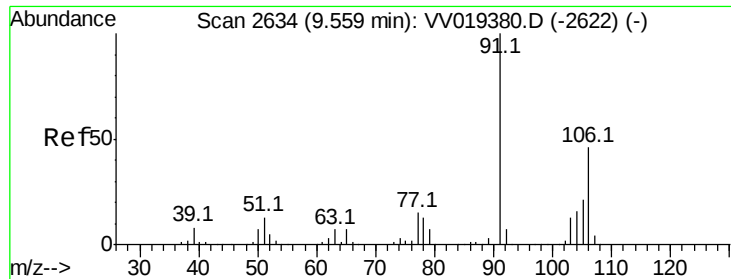
Tgt Ion: 91 Resp: 665373
Ion Ratio Lower Upper
91 100
106 30.6 21.8 40.4



#53
m,p-Xylene
Concen: 52.307 ug/L
RT: 9.16 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VV019419.D
Acq: 23 Nov 2020 13:14

Tgt Ion: 106 Resp: 247317
Ion Ratio Lower Upper
106 100
91 212.5 144.9 269.1





#54

o-xylene

Concen: 53.621 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV019419.D

Acq: 23 Nov 2020 13:14

Instrument :

MSVOA_V

ClientSampleId :

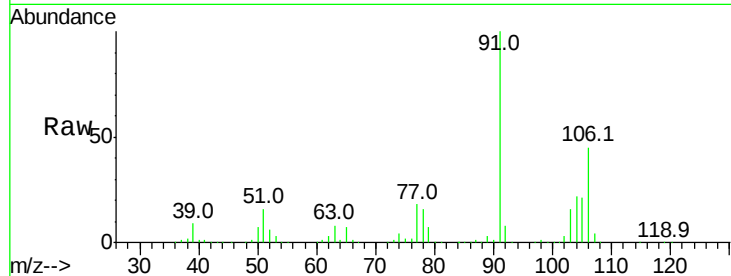
VSTD05066

Tgt Ion:106 Resp: 245174

Ion Ratio Lower Upper

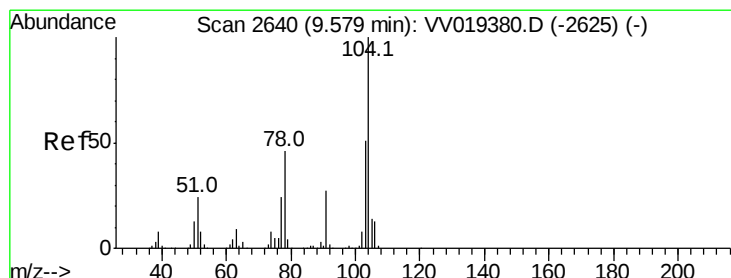
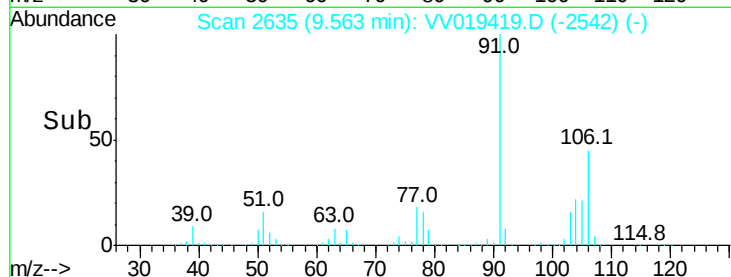
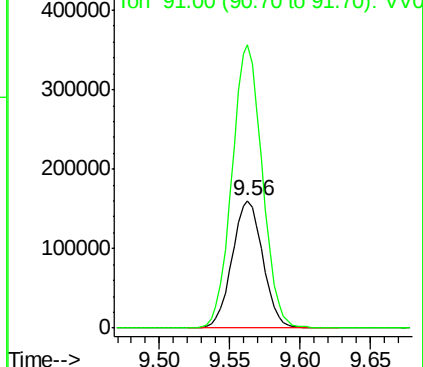
106 100

91 221.6 149.3 277.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 55.330 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. 0.00 min

Lab File: VV019419.D

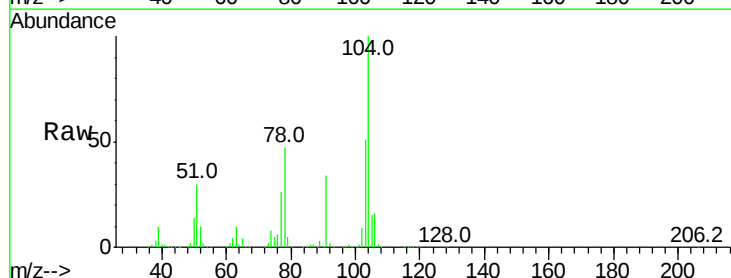
Acq: 23 Nov 2020 13:14

Tgt Ion:104 Resp: 447406

Ion Ratio Lower Upper

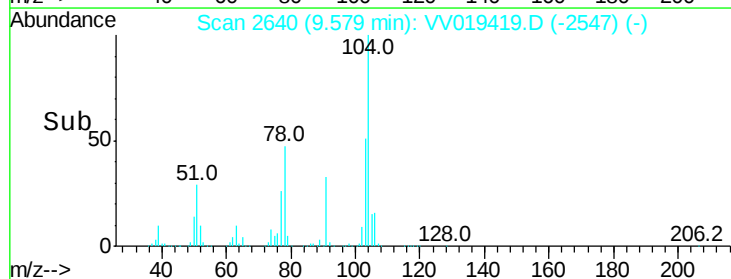
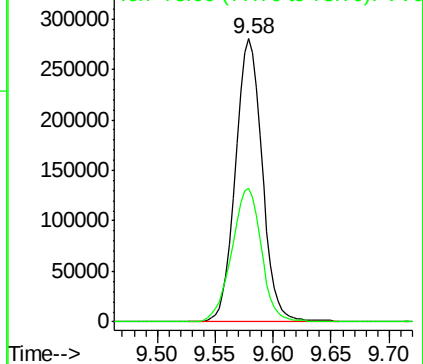
104 100

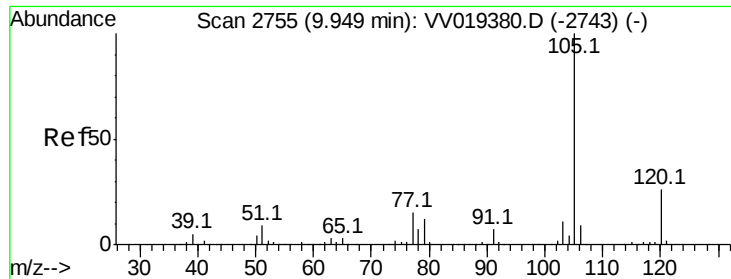
78 47.2 33.0 61.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 51.594 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV019419.D

Acq: 23 Nov 2020 13:14

Instrument :

MSVOA_V

ClientSampled :

VSTD05066

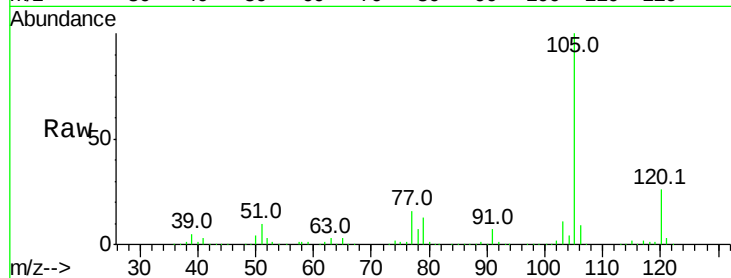
Tgt Ion:105 Resp: 633424

Ion Ratio Lower Upper

105 100

120 26.0 21.3 31.9

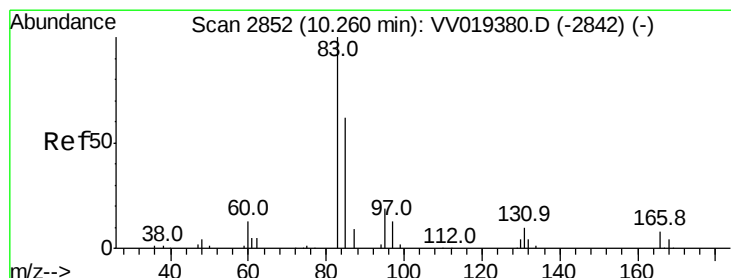
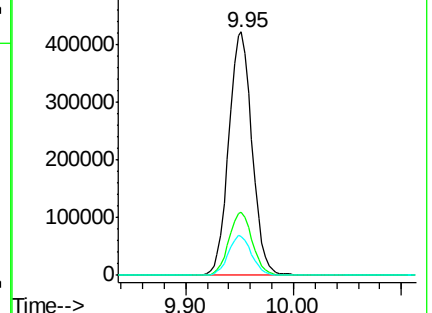
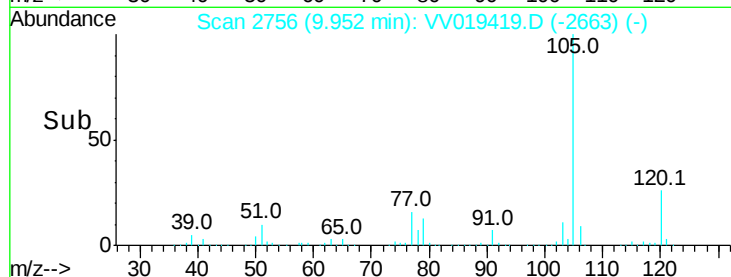
77 16.4 12.6 18.8



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



#58

1,1,2,2-Tetrachloroethane

Concen: 67.014 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV019419.D

Acq: 23 Nov 2020 13:14

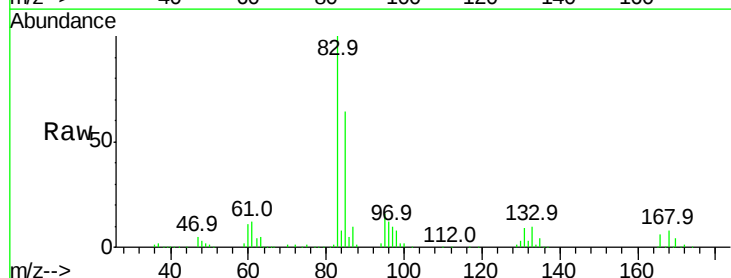
Tgt Ion: 83 Resp: 234306

Ion Ratio Lower Upper

83 100

85 64.0 45.1 83.9

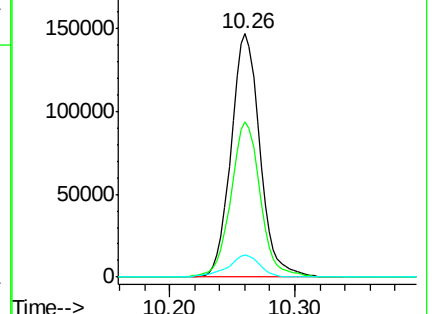
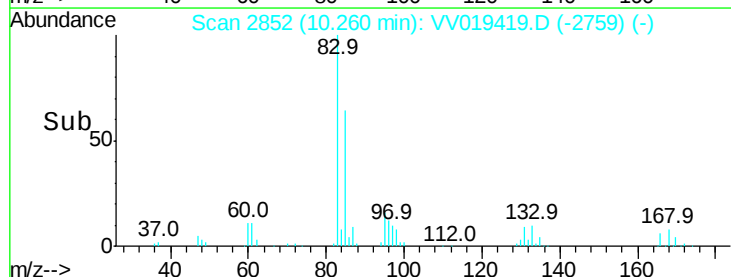
131 9.0 9.6 14.4#

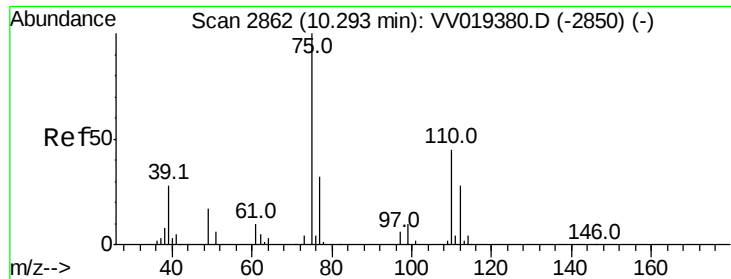


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 65.710 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV019419.D

Acq: 23 Nov 2020 13:14

Instrument :

MSVOA_V

ClientSampleId :

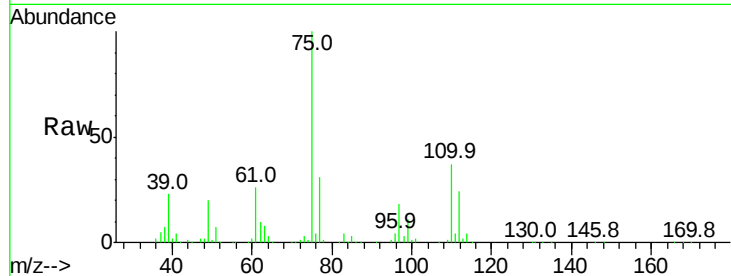
VSTD05066

Tgt Ion: 75 Resp: 211685

Ion Ratio Lower Upper

75 100

77 31.5 25.0 37.4



Abundance Ion 75.00 (74.70 to 75.70): VV019380.D (-2850) (-)

Ion 77.00 (76.70 to 77.70): VV019380.D (-2850) (-)

10.29

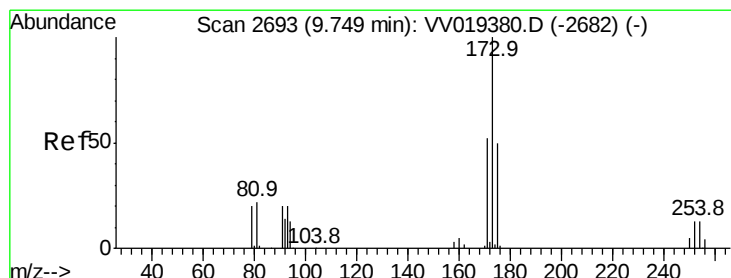
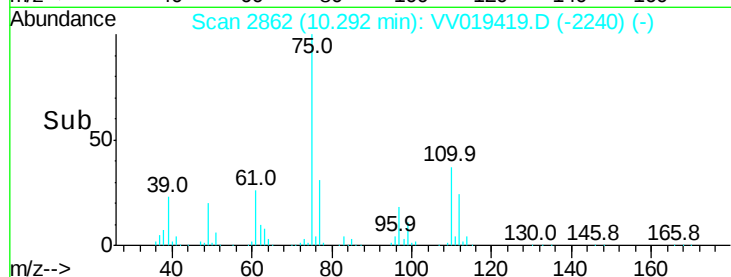
150000

100000

50000

0

Time--> 10.20 10.30 10.40



#61

Bromoform

Concen: 51.208 ug/L

RT: 9.75 min Scan# 2693

Delta R.T. -0.00 min

Lab File: VV019419.D

Acq: 23 Nov 2020 13:14

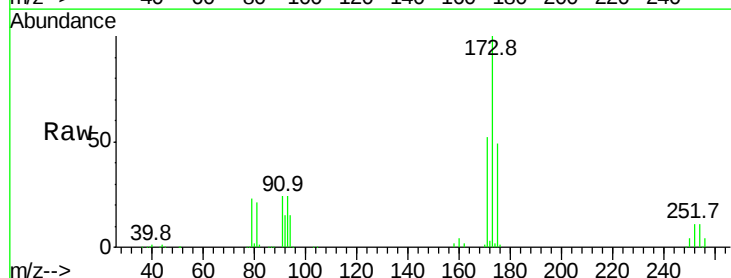
Tgt Ion: 173 Resp: 126802

Ion Ratio Lower Upper

173 100

175 48.5 38.3 57.5

254 10.8 10.3 15.5



Abundance Ion 173.00 (172.70 to 173.70): VV019380.D (-2682) (-)

Ion 175.00 (174.70 to 175.70): VV019380.D (-2682) (-)

Ion 254.00 (253.70 to 254.70): VV019380.D (-2682) (-)

9.75

100000

80000

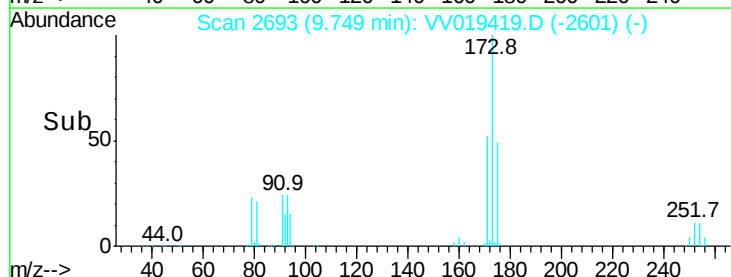
60000

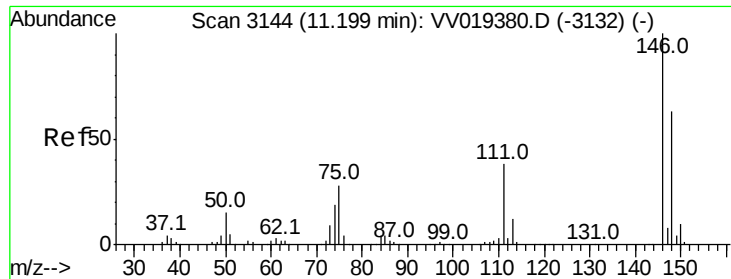
40000

20000

0

Time--> 9.65 9.70 9.75 9.80 9.85





#62

1,3-Dichlorobenzene

Concen: 52.478 ug/L

RT: 11.20 min Scan# 3144

Delta R.T. 0.00 min

Lab File: VV019419.D

Acq: 23 Nov 2020 13:14

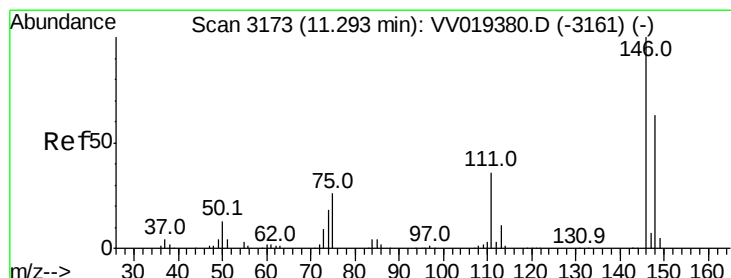
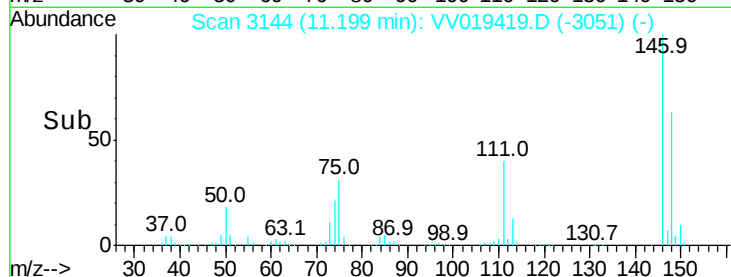
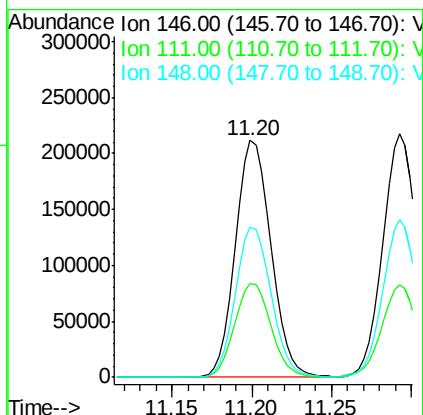
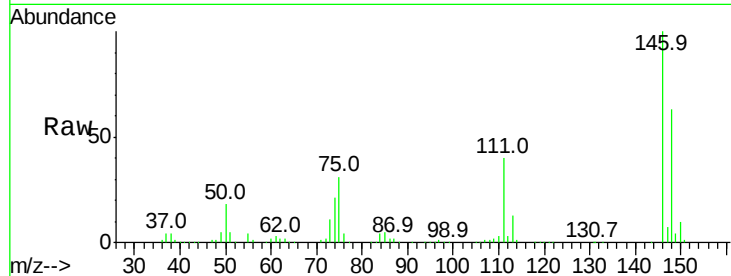
Instrument :

MSVOA_V

ClientSampleId :

VSTD05066

Tgt Ion:	146	Resp:	320687
Ion Ratio	Lower	Upper	
146	100		
111	39.8	26.5	49.3
148	63.5	44.5	82.7



#63

1,4-Dichlorobenzene

Concen: 51.995 ug/L

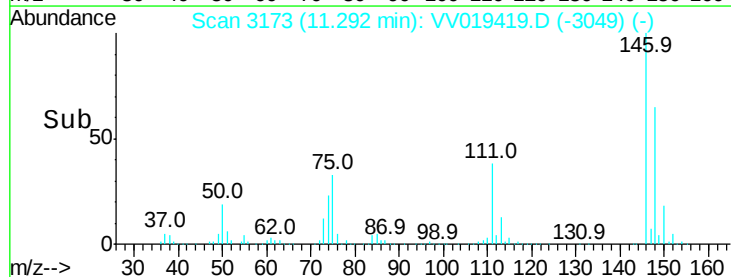
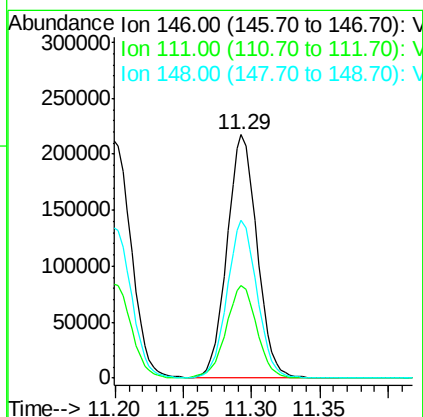
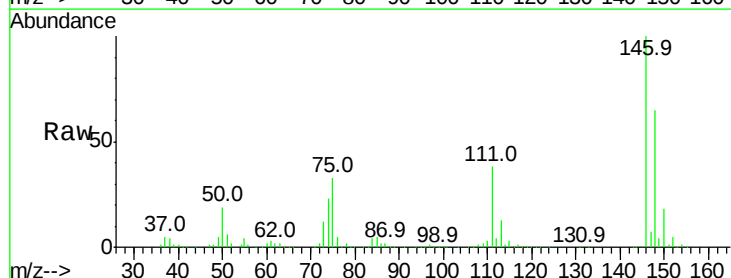
RT: 11.29 min Scan# 3173

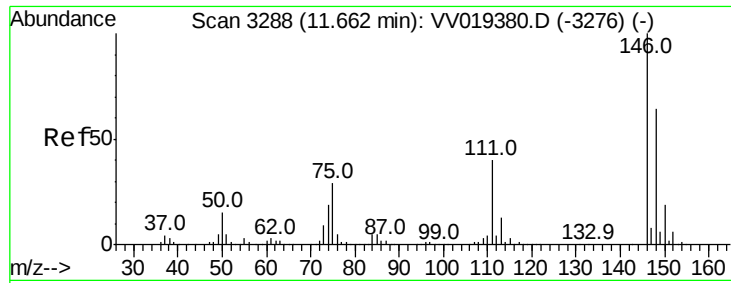
Delta R.T. 0.00 min

Lab File: VV019419.D

Acq: 23 Nov 2020 13:14

Tgt Ion:	146	Resp:	332381
Ion Ratio	Lower	Upper	
146	100		
111	38.2	25.1	46.7
148	64.6	45.4	84.4





#65

1,2-Dichlorobenzene

Concen: 52.767 ug/L

RT: 11.66 min Scan# 3288

Delta R.T. 0.00 min

Lab File: VV019419.D

Acq: 23 Nov 2020 13:14

Instrument :

MSVOA_V

ClientSampled :

VSTD05066

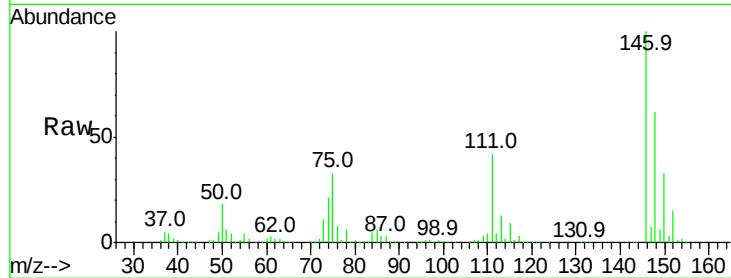
Tgt Ion:146 Resp: 326256

Ion Ratio Lower Upper

146 100

111 42.3 30.6 45.8

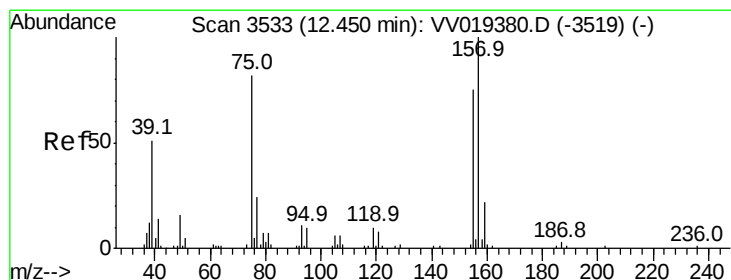
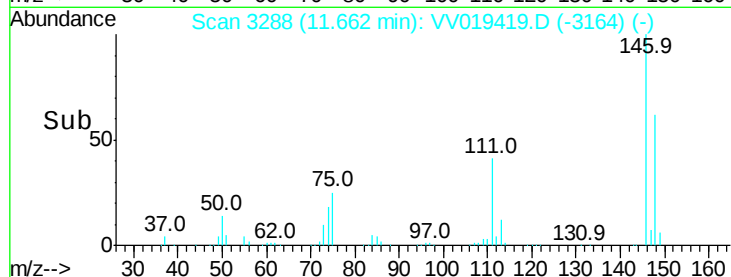
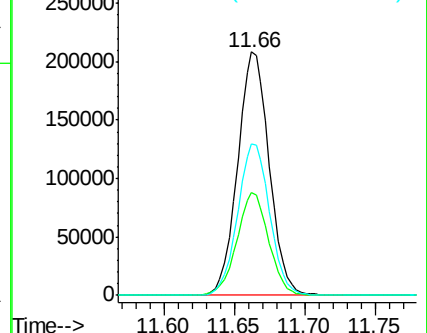
148 62.3 50.6 75.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 63.066 ug/L

RT: 12.45 min Scan# 3532

Delta R.T. -0.00 min

Lab File: VV019419.D

Acq: 23 Nov 2020 13:14

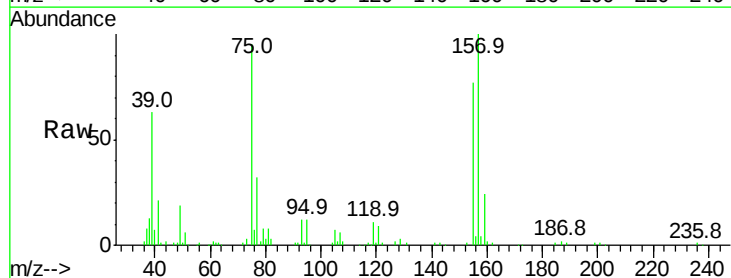
Tgt Ion: 75 Resp: 56322

Ion Ratio Lower Upper

75 100

155 80.6 72.2 108.2

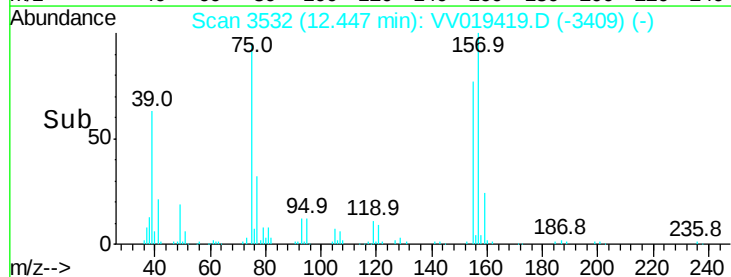
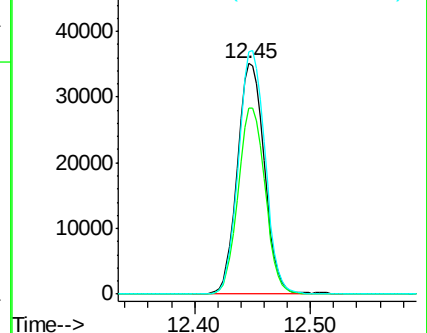
157 105.2 94.1 141.1

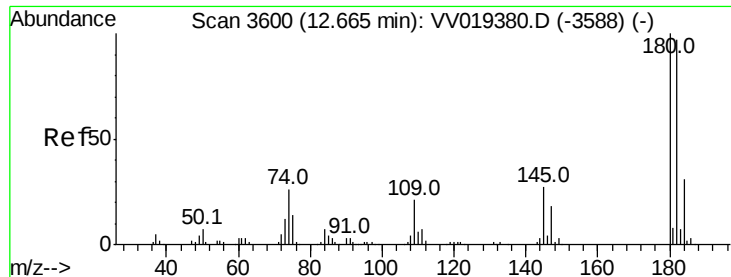


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

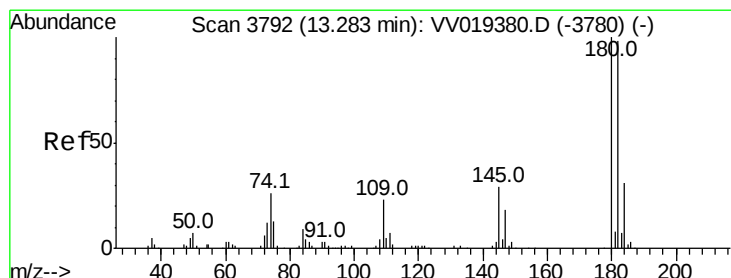
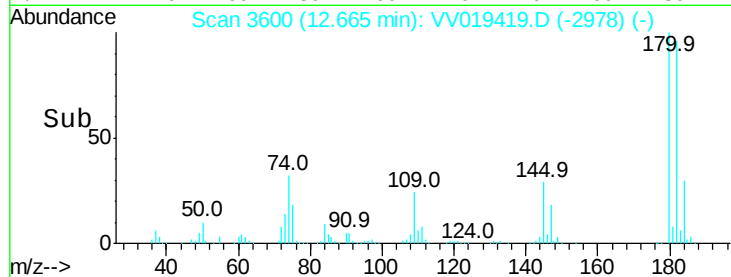
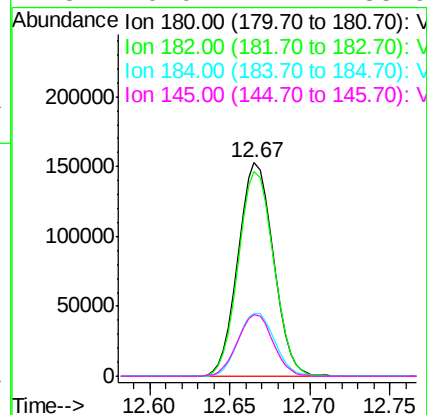
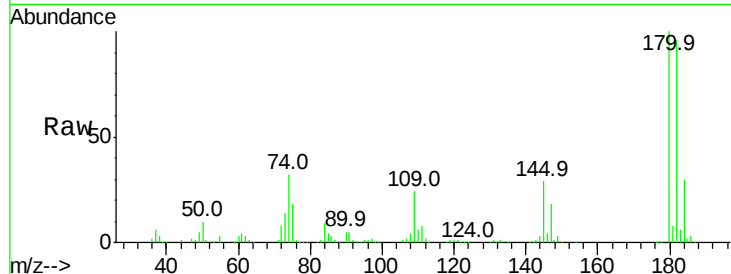




#67
 1,3,5-Trichlorobenzene
 Concen: 49.052 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VV019419.D
 Acq: 23 Nov 2020 13:14

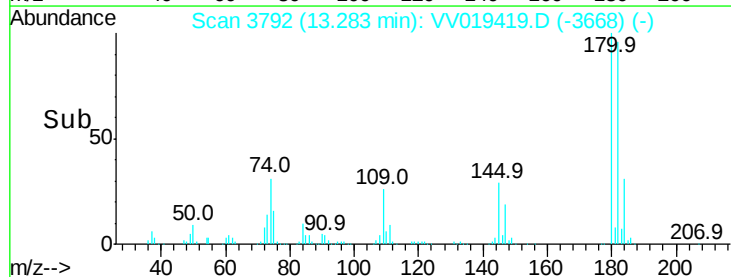
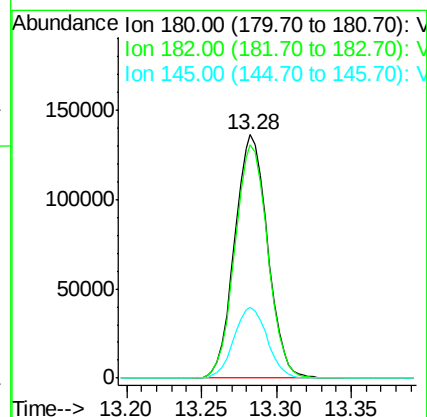
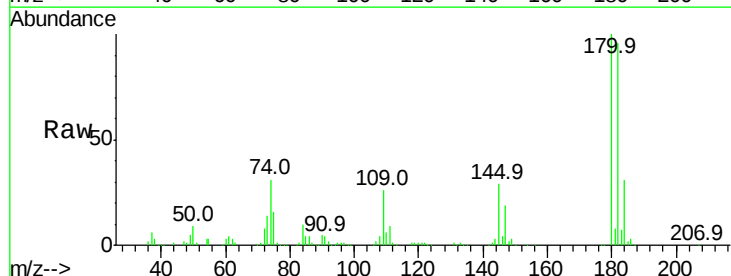
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05066

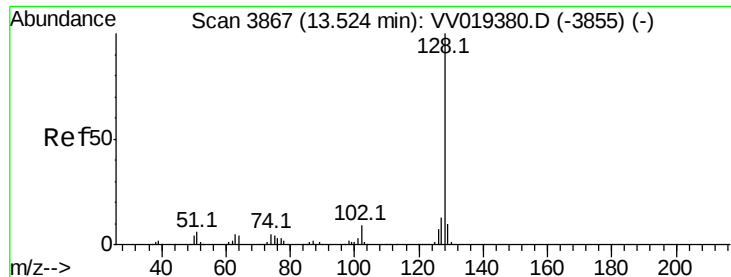
Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	76.5	114.7
184	30.2	24.6	36.8
145	29.0	22.4	33.6



#68
 1,2,4-trichlorobenzene
 Concen: 49.714 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV019419.D
 Acq: 23 Nov 2020 13:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	77.0	115.4
145	29.3	22.5	33.7





#69

Naphthalene

Concen: 55.765 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV019419.D

Acq: 23 Nov 2020 13:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD05066

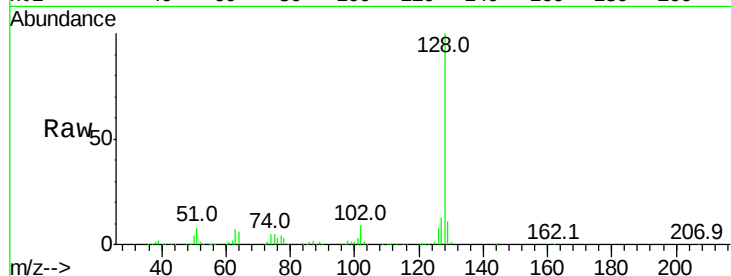
Tgt Ion:128 Resp: 555001

Ion Ratio Lower Upper

128 100

127 13.4 10.9 16.3

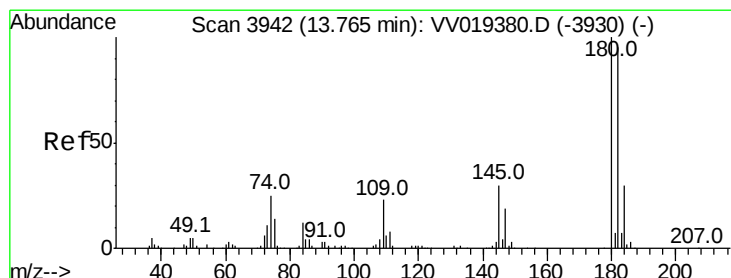
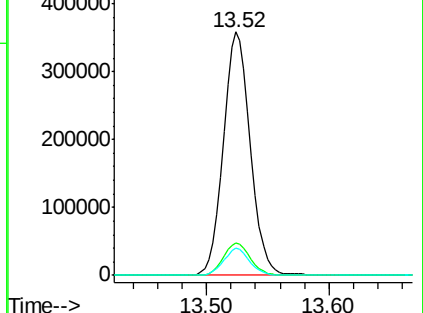
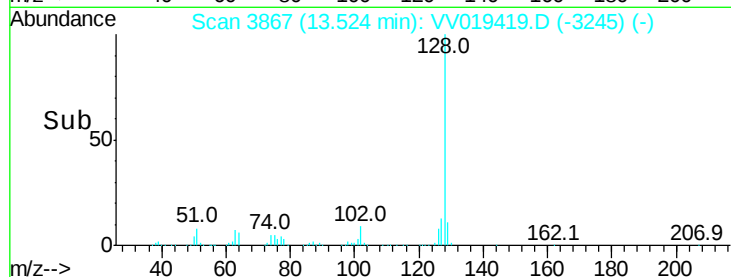
129 10.8 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 52.258 ug/L

RT: 13.77 min Scan# 3942

Delta R.T. 0.00 min

Lab File: VV019419.D

Acq: 23 Nov 2020 13:14

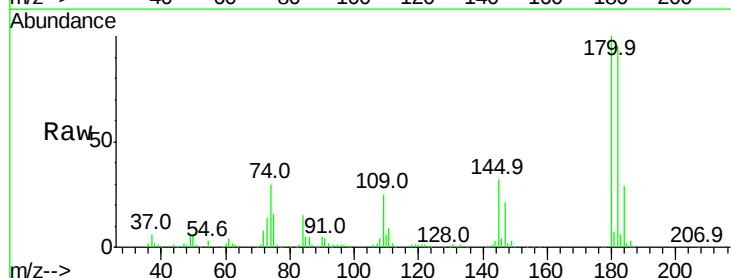
Tgt Ion:180 Resp: 221604

Ion Ratio Lower Upper

180 100

182 95.8 76.0 114.0

145 31.3 24.2 36.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

