

Data File : VV019417.D
Acq On : 23 Nov 2020 12:21
Operator : SY/MD
Sample : VSTD00564
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00564

Quant Time: Nov 23 14:02:09 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM112320WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Nov 23 14:01:17 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	366179	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	376890	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	192495	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	18761	6.80	ug/L	0.00
7) Chloroethane-d5	1.58	69	15818	7.05	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	33110	5.83	ug/L	0.00
21) 2-Butanone-d5	3.92	46	17781	12.49	ug/L	0.02
24) Chloroform-d	4.38	84	29935	5.67	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	19548	5.37	ug/L	0.00
32) Benzene-d6	5.08	84	54111	5.57	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.10	67	18500	6.86	ug/L	0.00
41) Toluene-d8	7.34	98	45168	4.75	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.65	79	7811	4.54	ug/L	0.00
47) 2-Hexanone-d5	8.11	63	7858	7.77	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	21351	5.79	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	19075	5.19	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	14539	4.735 ug/L	96
3) Chloromethane	1.25	50	19759	7.202 ug/L	98
5) Vinyl chloride	1.32	62	18873	6.381 ug/L	100
6) Bromomethane	1.53	94	12343	5.837 ug/L	97
8) Chloroethane	1.59	64	12119	6.498 ug/L	94
9) Trichlorofluoromethane	1.76	101	23328	4.397 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	12508	5.173 ug/L	96
12) 1,1-Dichloroethene	2.13	96	13366	5.416 ug/L	92
13) Acetone	2.17	43	17974	14.826 ug/L	93
14) Carbon disulfide	2.31	76	37649	5.517 ug/L	99
15) Methyl Acetate	2.45	43	16106	7.869 ug/L	99
16) Methylene chloride	2.52	84	15983	6.449 ug/L	97
17) trans-1,2-Dichloroethene	2.78	96	12253	5.161 ug/L	98
18) Methyl tert-butyl Ether	2.78	73	36973	4.847 ug/L	98
19) 1,1-Dichloroethane	3.21	63	26095	6.339 ug/L	97
20) cis-1,2-Dichloroethene	3.94	96	13273	5.281 ug/L	91
22) 2-Butanone	4.00	43	17402	12.517 ug/L	79
23) Bromochloromethane	4.28	128	7269	5.015 ug/L	95
25) Chloroform	4.41	83	26425	5.519 ug/L	99
27) 1,2-Dichloroethane	5.16	62	20380	5.025 ug/L	99
29) Cyclohexane	4.70	56	16064	4.931 ug/L	99
30) 1,1,1-Trichloroethane	4.63	97	21915	4.427 ug/L	98
31) Carbon tetrachloride	4.85	117	18630	4.179 ug/L	96
33) Benzene	5.13	78	51813	5.450 ug/L	100
34) Trichloroethene	5.94	95	16264	5.672 ug/L	97
35) Methylcyclohexane	6.15	83	16019	4.520 ug/L	98
37) 1,2-Dichloropropane	6.20	63	14449	6.253 ug/L	99
38) Bromodichloromethane	6.53	83	19784	5.267 ug/L	94
39) cis-1,3-Dichloropropene	7.05	75	18514	4.673 ug/L	98
40) 4-Methyl-2-pentanone	7.25	43	33648	11.541 ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	49199	4.600	ug/L	99
44) trans-1,3-Dichloropropene	7.68	75	18117	4.293	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	13546	5.404	ug/L	98
46) Tetrachloroethene	7.99	164	10267	4.065	ug/L	97
48) 2-Hexanone	8.16	43	26283	11.502	ug/L	96
49) Dibromochloromethane	8.27	129	14491	4.505	ug/L	98
50) 1,2-Dibromoethane	8.38	107	14246	5.195	ug/L	96
51) Chlorobenzene	8.90	112	36303	4.936	ug/L	98
52) Ethylbenzene	9.04	91	52974	4.429	ug/L	97
53) m,p-Xylene	9.16	106	18553	4.006	ug/L	93
54) o-xylene	9.56	106	17609	3.932	ug/L	97
55) Styrene	9.58	104	29598	3.737	ug/L	98
56) Isopropylbenzene	9.95	105	45986	3.824	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.26	83	18023	5.262	ug/L	96
59) 1,2,3-Trichloropropane	10.30	75	18518	5.868	ug/L	96
61) Bromoform	9.75	173	10123	4.619	ug/L #	96
62) 1,3-Dichlorobenzene	11.20	146	26100	4.826	ug/L	95
63) 1,4-Dichlorobenzene	11.30	146	28615	5.058	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	26962	4.927	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.45	75	4131	5.226	ug/L	89
67) 1,3,5-Trichlorobenzene	12.67	180	18477	4.457	ug/L	98
68) 1,2,4-trichlorobenzene	13.29	180	14482	3.883	ug/L	99
69) Naphthalene	13.53	128	26779	3.040	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	15211	4.053	ug/L	98

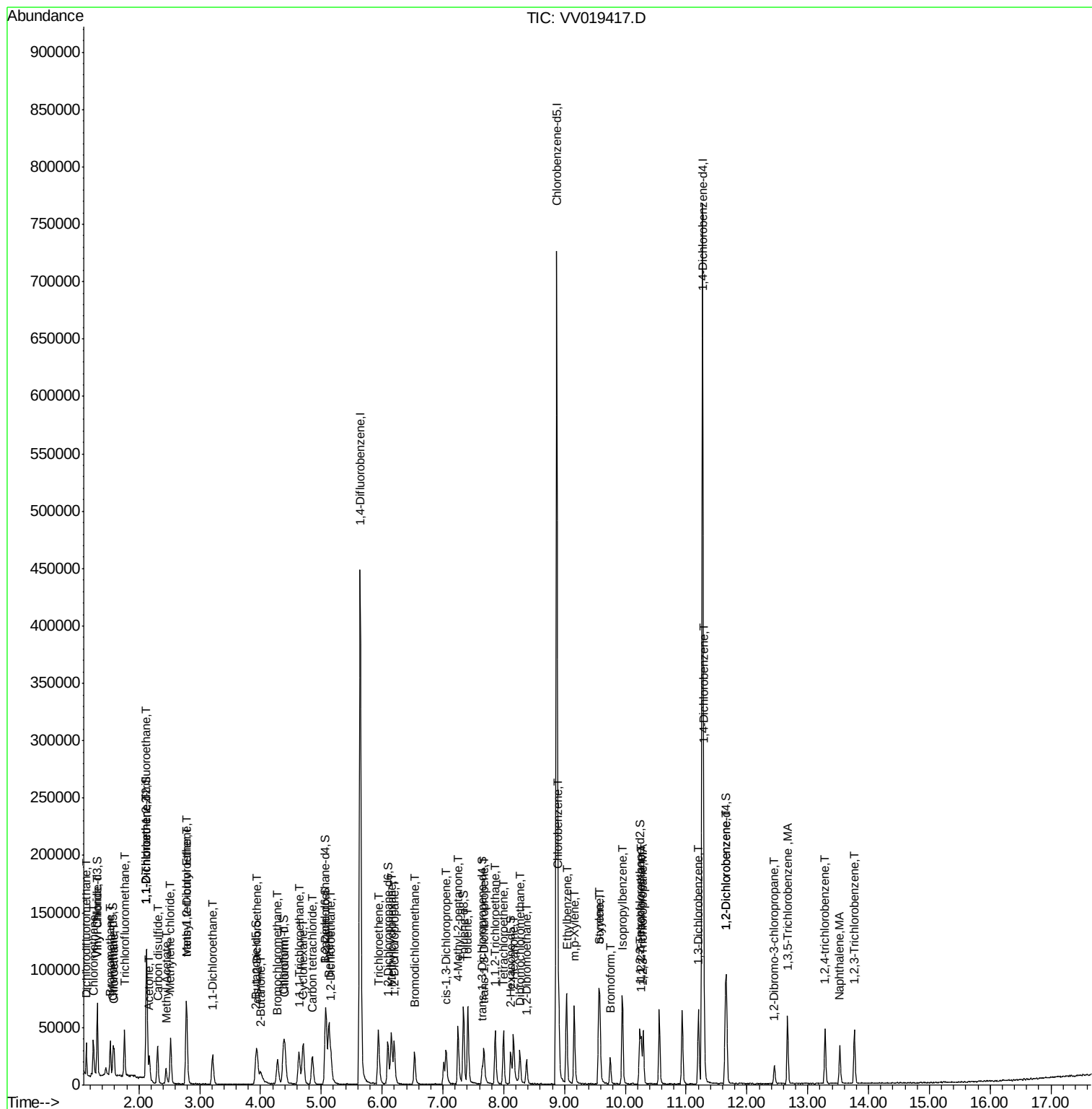
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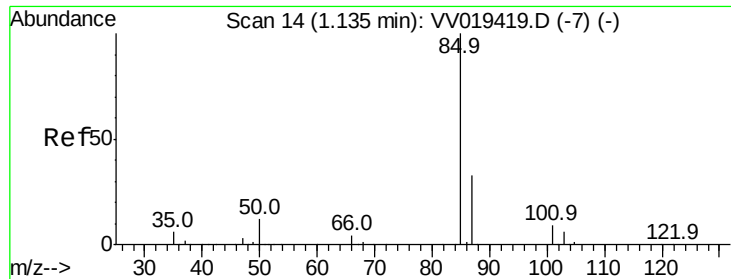
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#2

Dichlorodifluoromethane

Concen: 4.735 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

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Acq: 23 Nov 2020 12:21

Instrument :

MSVOA_V

ClientSampleId :

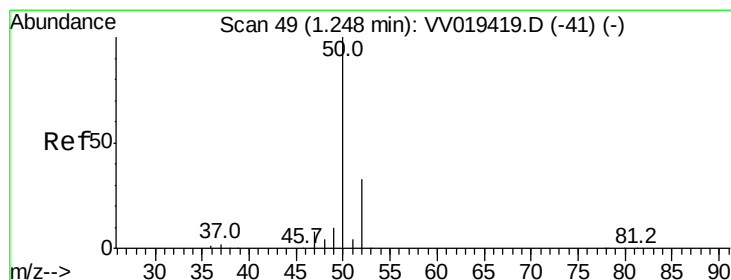
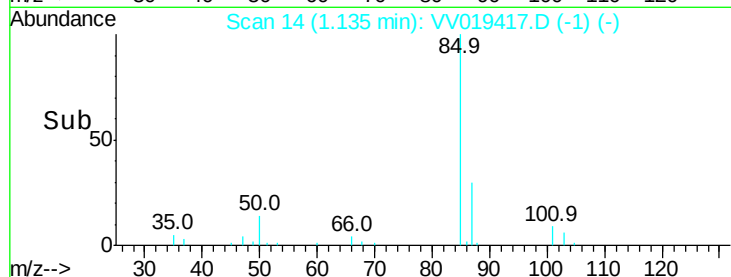
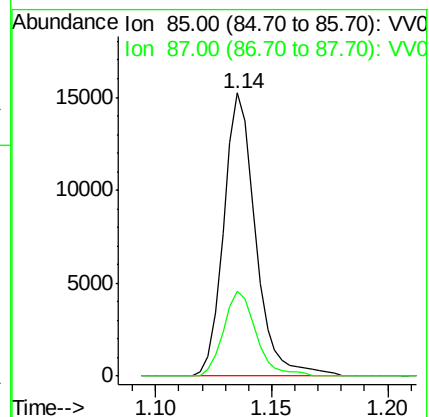
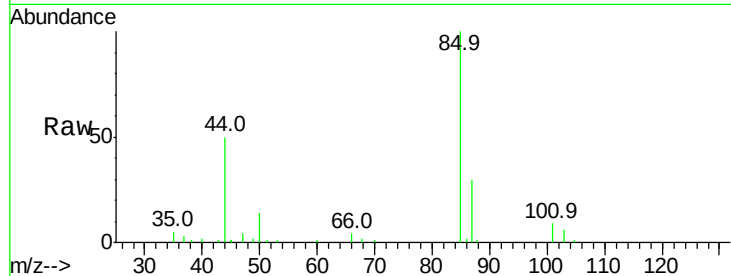
VSTD00564

Tgt Ion: 85 Resp: 14539

Ion Ratio Lower Upper

85 100

87 30.6 26.2 39.2



#3

Chloromethane

Concen: 7.202 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV019417.D

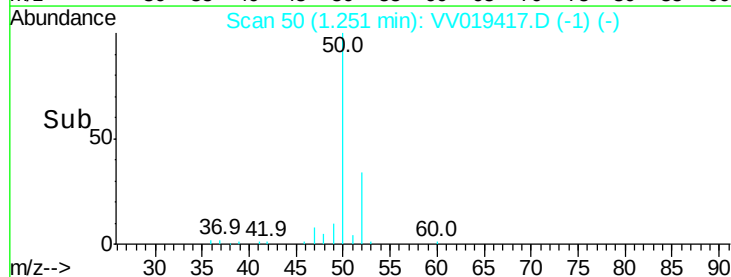
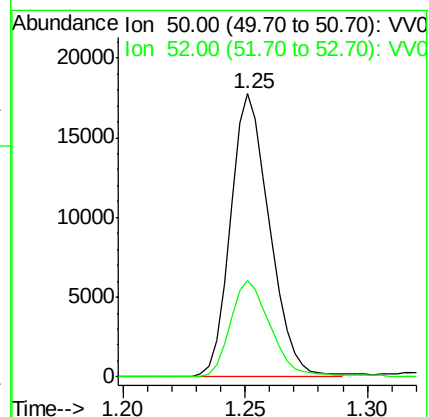
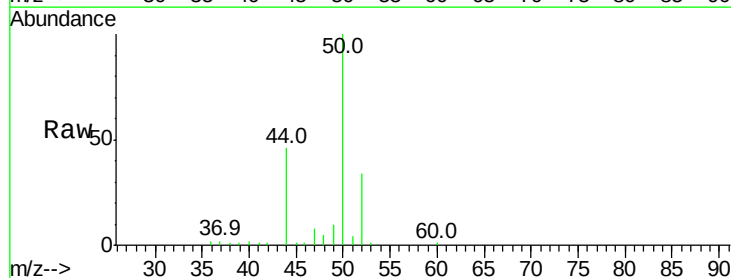
Acq: 23 Nov 2020 12:21

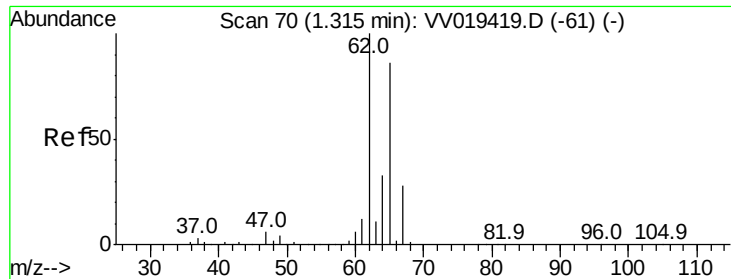
Tgt Ion: 50 Resp: 19759

Ion Ratio Lower Upper

50 100

52 34.3 23.0 42.8





#5

Vinyl chloride

Concen: 6.381 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV019417.D

Acq: 23 Nov 2020 12:21

Instrument :

MSVOA_V

ClientSampleId :

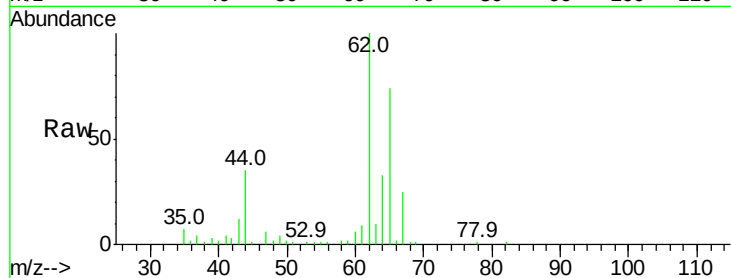
VSTD00564

Tgt Ion: 62 Resp: 18873

Ion Ratio Lower Upper

62 100

64 33.1 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

20000

15000

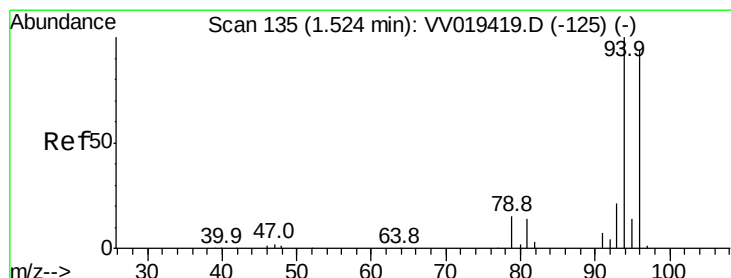
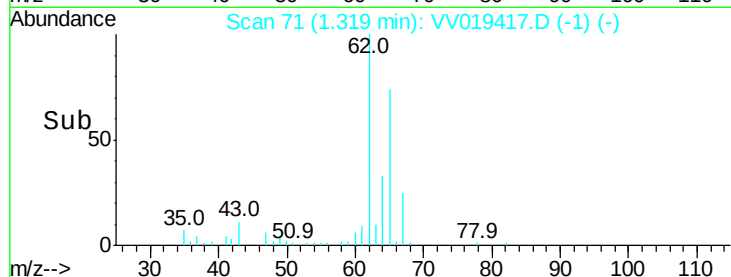
10000

5000

0

1.30 1.35

Time-->



#6

Bromomethane

Concen: 5.837 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.01 min

Lab File: VV019417.D

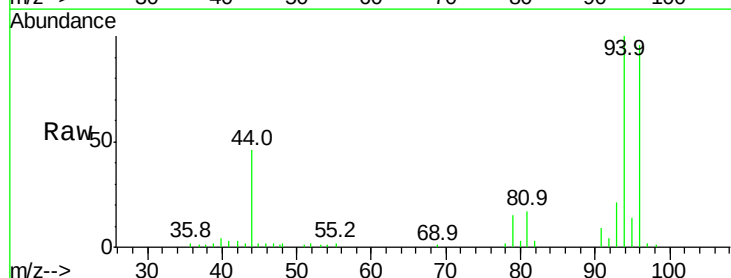
Acq: 23 Nov 2020 12:21

Tgt Ion: 94 Resp: 12343

Ion Ratio Lower Upper

94 100

96 96.3 65.5 121.7



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

12000

10000

8000

6000

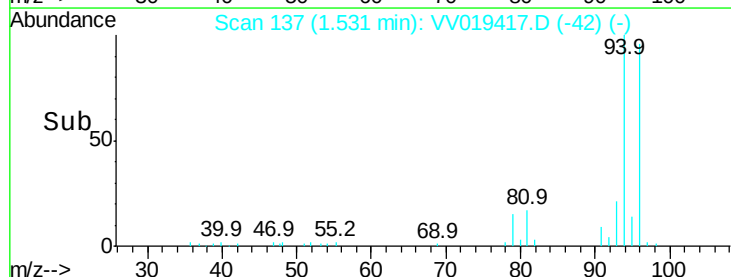
4000

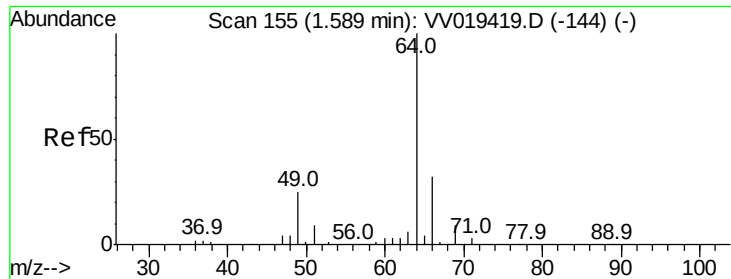
2000

0

1.50 1.55

Time-->





#8

Chloroethane

Concen: 6.498 ug/L

RT: 1.59 min Scan# 156

Delta R.T. 0.00 min

Lab File: VV019417.D

Acq: 23 Nov 2020 12:21

Instrument :

MSVOA_V

ClientSampleId :

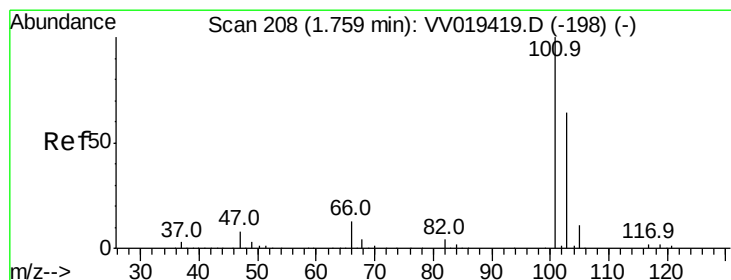
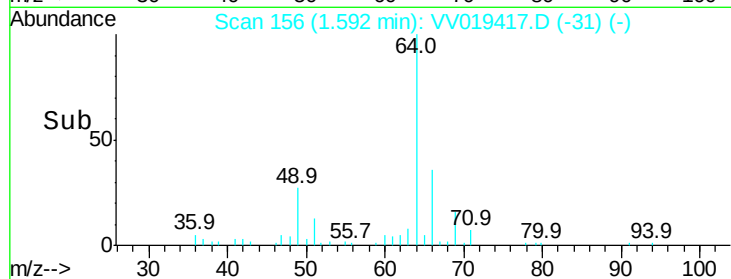
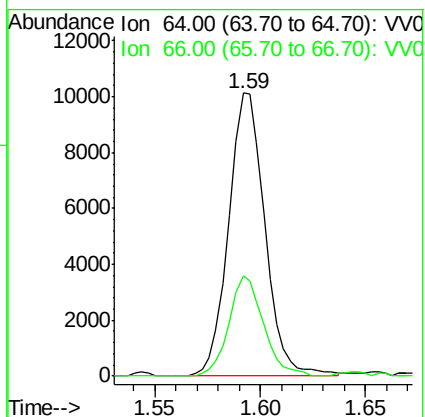
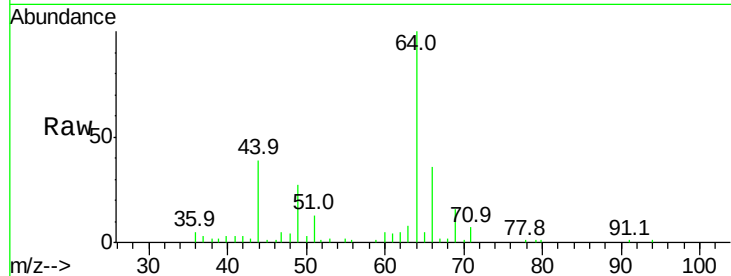
VSTD00564

Tgt Ion: 64 Resp: 12119

Ion Ratio Lower Upper

64 100

66 35.5 22.6 42.0



#9

Trichlorofluoromethane

Concen: 4.397 ug/L

RT: 1.76 min Scan# 209

Delta R.T. 0.00 min

Lab File: VV019417.D

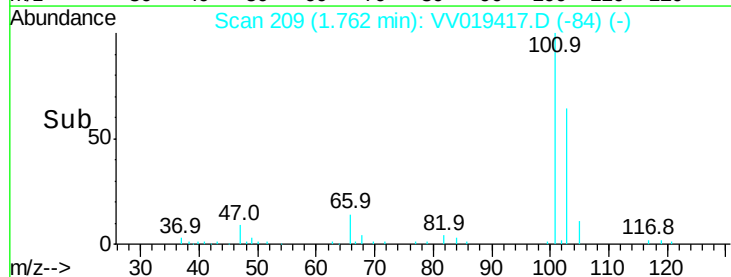
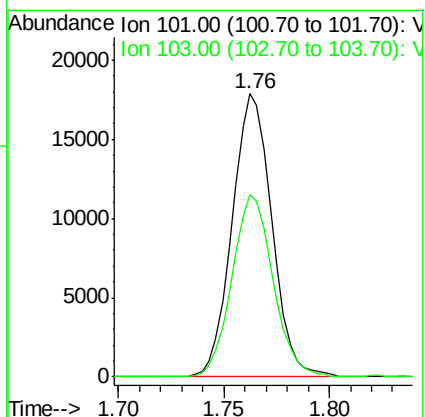
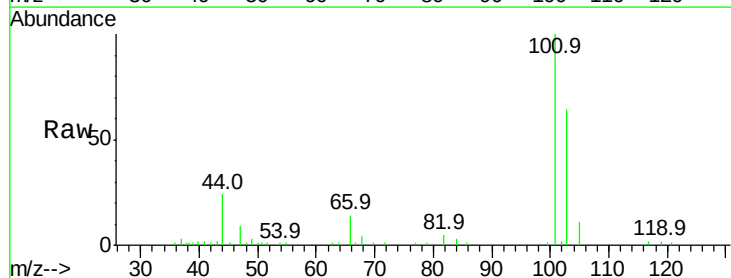
Acq: 23 Nov 2020 12:21

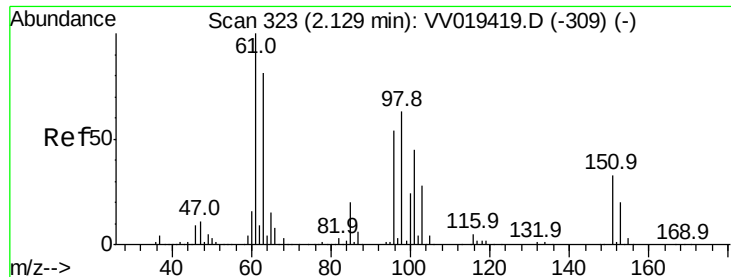
Tgt Ion: 101 Resp: 23328

Ion Ratio Lower Upper

101 100

103 66.6 51.8 77.8





#10

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

Concen: 5.173 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV019417.D

Acq: 23 Nov 2020 12:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD00564

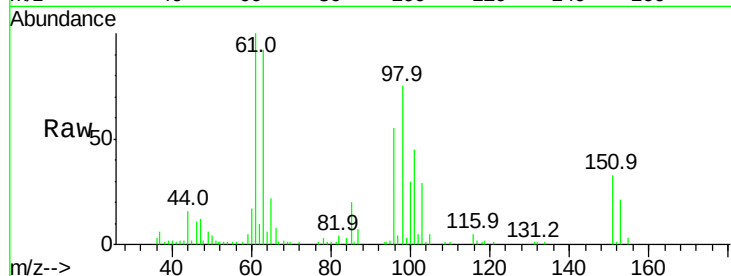
Tgt Ion: 101 Resp: 12508

Ion Ratio Lower Upper

101 100

85 45.8 35.5 53.3

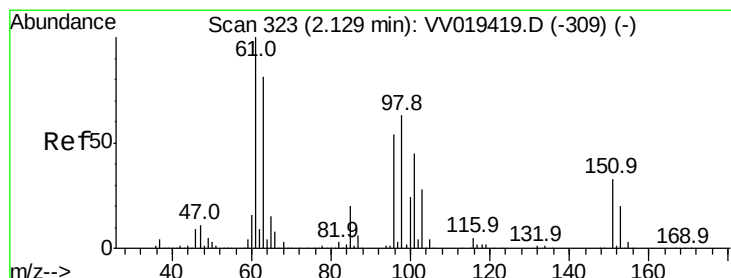
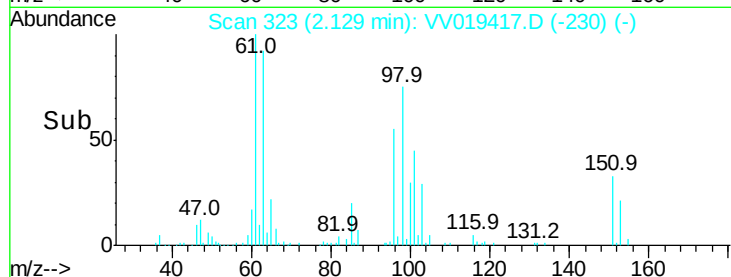
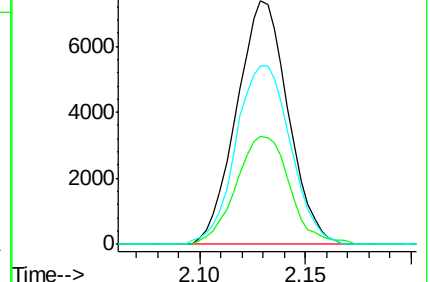
151 77.8 58.9 88.3



Abundance Ion 101.00 (100.70 to 101.70): VV019417.D (-230) (-)

Ion 85.00 (84.70 to 85.70): VV019417.D (-230) (-)

Ion 151.00 (150.70 to 151.70): VV019417.D (-230) (-)



#12

1,1-Dichloroethene

Concen: 5.416 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV019417.D

Acq: 23 Nov 2020 12:21

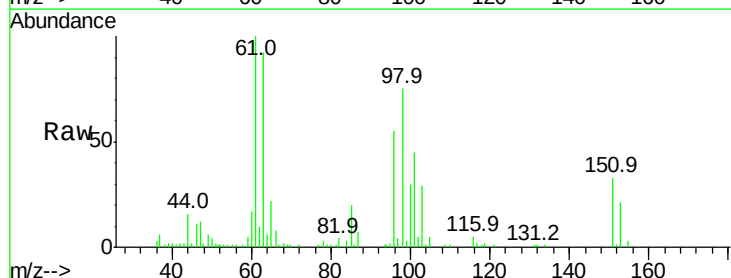
Tgt Ion: 96 Resp: 13366

Ion Ratio Lower Upper

96 100

61 180.4 130.0 241.4

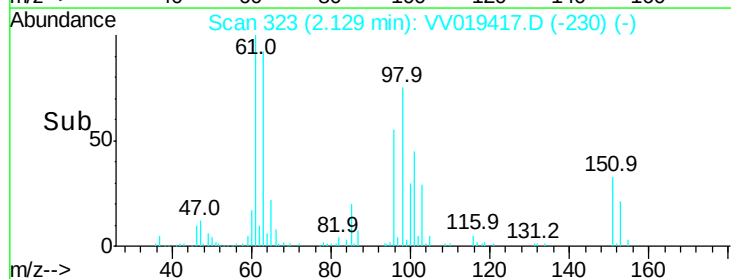
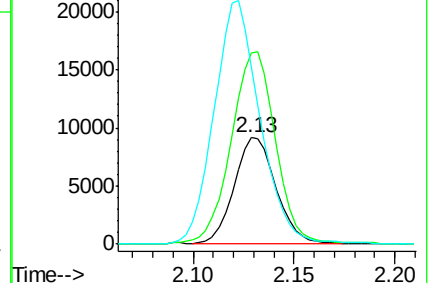
63 166.7 105.1 195.3

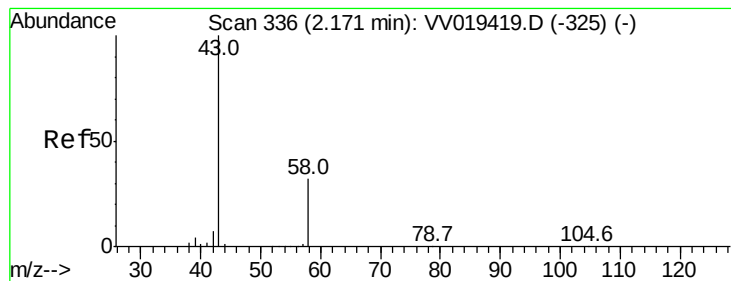


Abundance Ion 96.00 (95.70 to 96.70): VV019417.D (-230) (-)

Ion 61.00 (60.70 to 61.70): VV019417.D (-230) (-)

Ion 63.00 (62.70 to 63.70): VV019417.D (-230) (-)





#13

Acetone

Concen: 14.826 ug/L

RT: 2.17 min Scan# 336

Delta R.T. -0.00 min

Lab File: VV019417.D

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MSVOA_V

ClientSampleId :

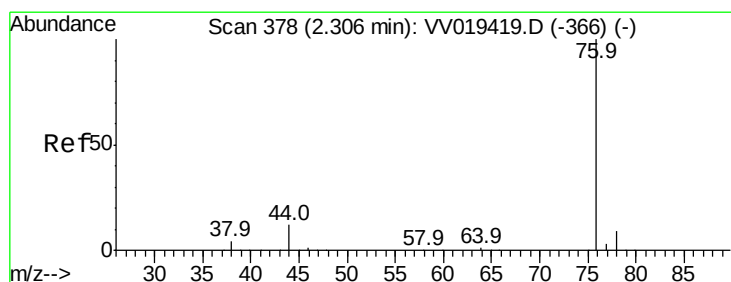
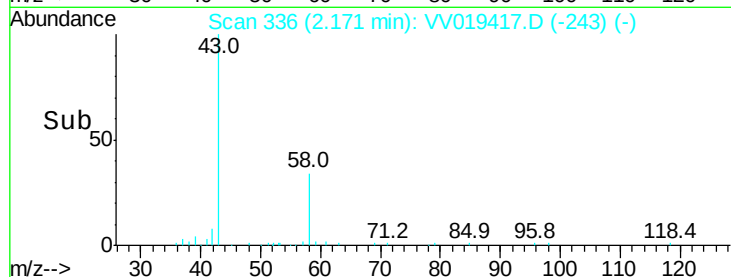
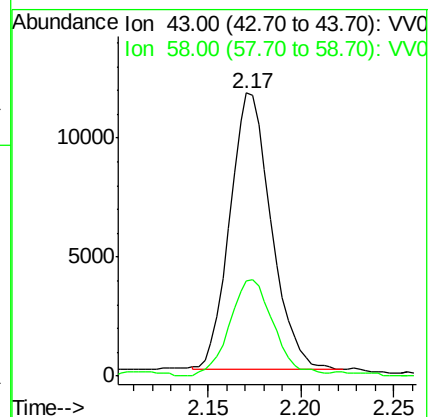
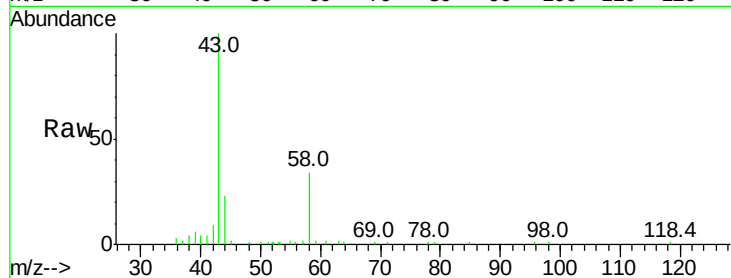
VSTD00564

Tgt Ion: 43 Resp: 17974

Ion Ratio Lower Upper

43 100

58 37.3 0.0 66.4



#14

Carbon disulfide

Concen: 5.517 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV019417.D

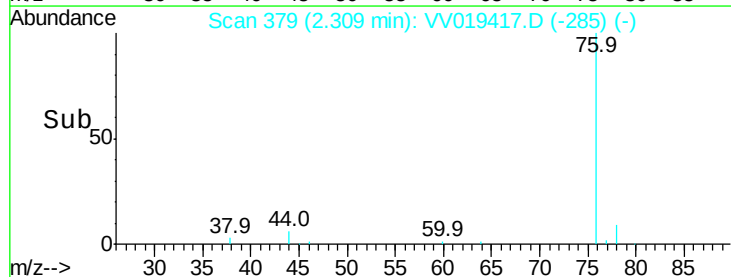
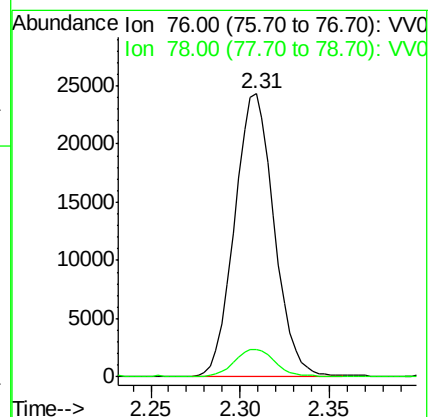
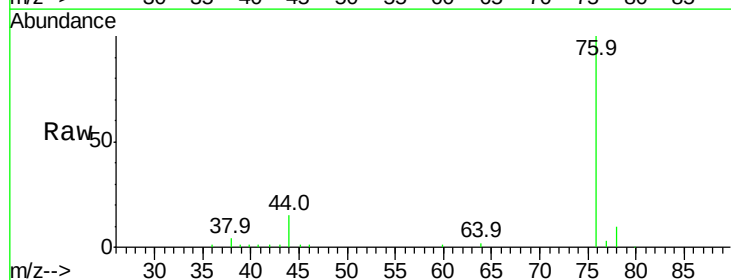
Acq: 23 Nov 2020 12:21

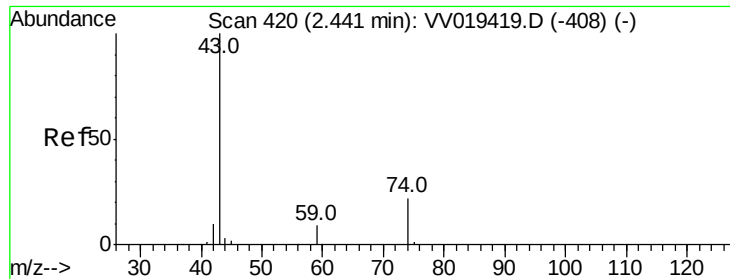
Tgt Ion: 76 Resp: 37649

Ion Ratio Lower Upper

76 100

78 9.6 7.4 11.0

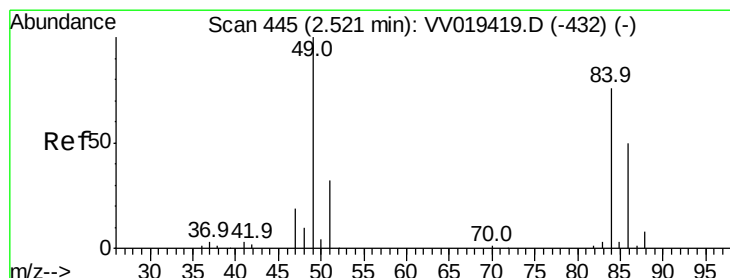
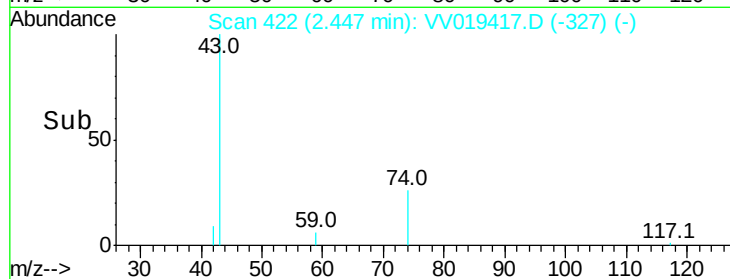
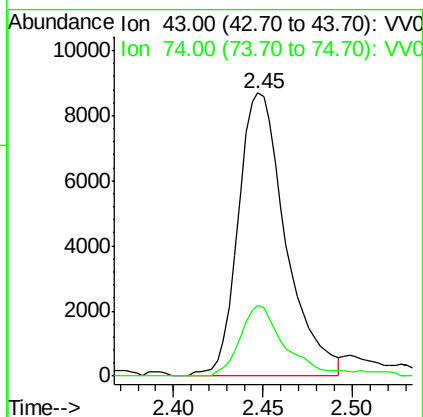
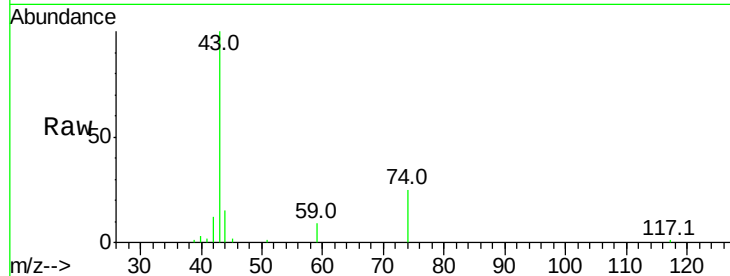




#15
Methyl Acetate
Concen: 7.869 ug/L
RT: 2.45 min Scan# 422
Delta R.T. 0.01 min
Lab File: VV019417.D
Acq: 23 Nov 2020 12:21

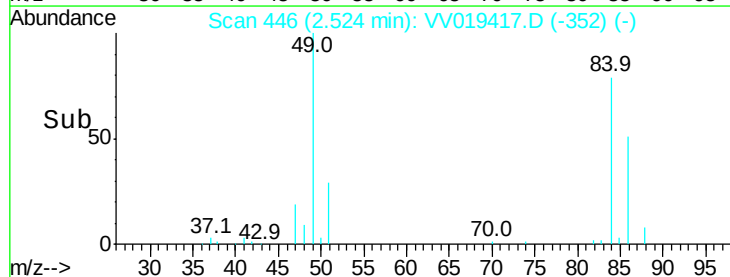
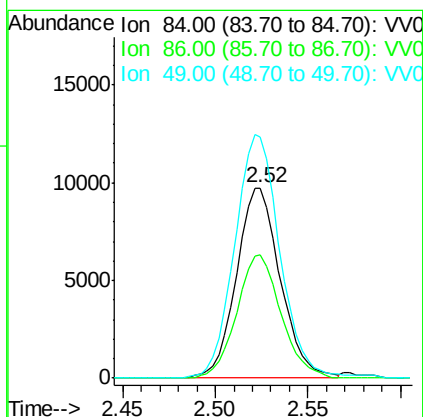
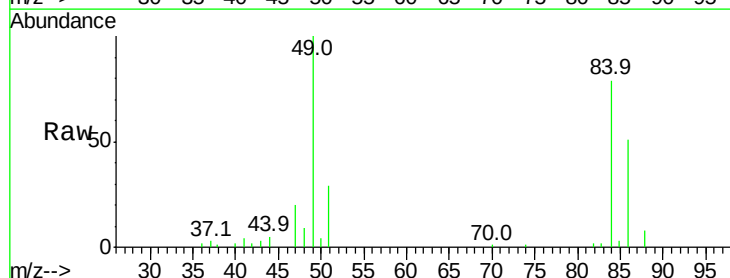
Instrument :
MSVOA_V
ClientSampleId :
VSTD00564

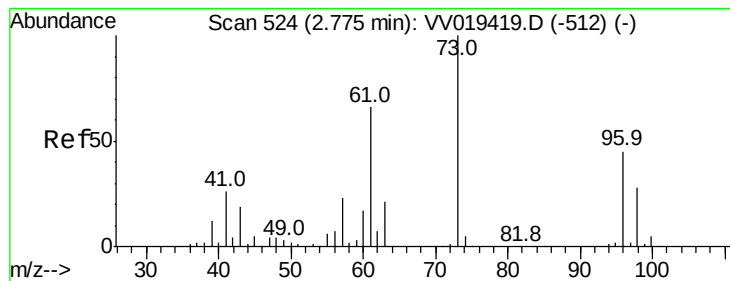
Tgt Ion: 43 Resp: 16106
Ion Ratio Lower Upper
43 100
74 23.0 17.8 26.8



#16
Methylene chloride
Concen: 6.449 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV019417.D
Acq: 23 Nov 2020 12:21

Tgt Ion: 84 Resp: 15983
Ion Ratio Lower Upper
84 100
86 64.7 45.8 85.2
49 126.9 92.0 170.9





#17

trans-1,2-Dichloroethene

Concen: 5.161 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV019417.D

Acq: 23 Nov 2020 12:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD00564

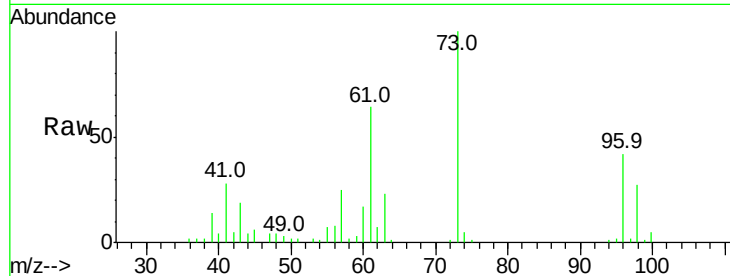
Tgt Ion: 96 Resp: 12253

Ion Ratio Lower Upper

96 100

61 151.6 103.7 192.5

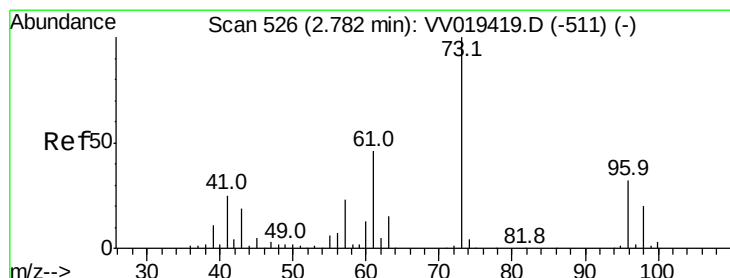
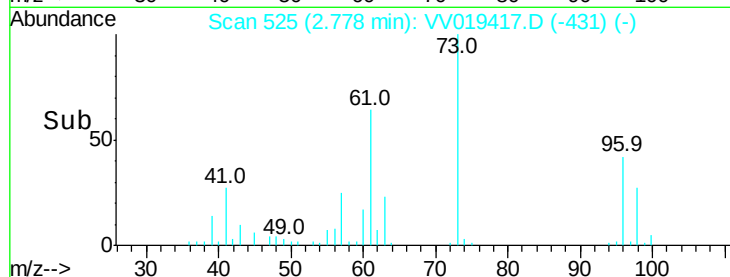
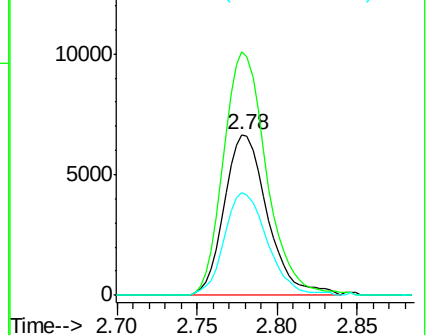
98 64.0 44.0 81.6



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 4.847 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV019417.D

Acq: 23 Nov 2020 12:21

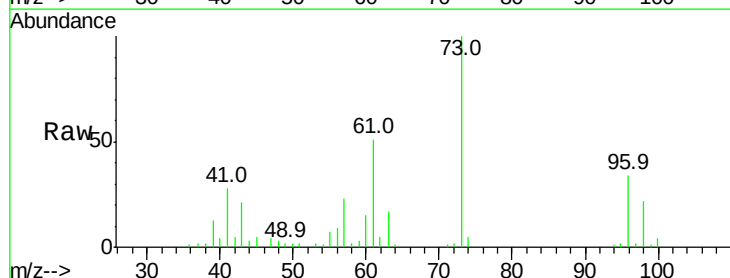
Tgt Ion: 73 Resp: 36973

Ion Ratio Lower Upper

73 100

43 20.6 15.6 23.4

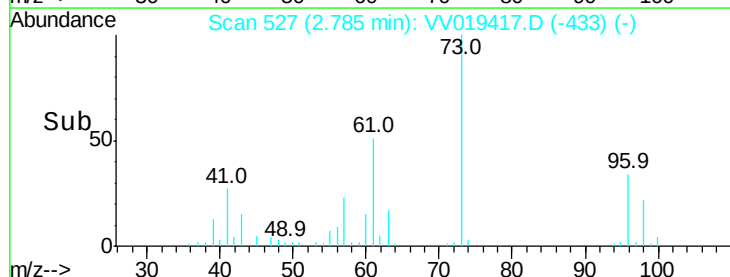
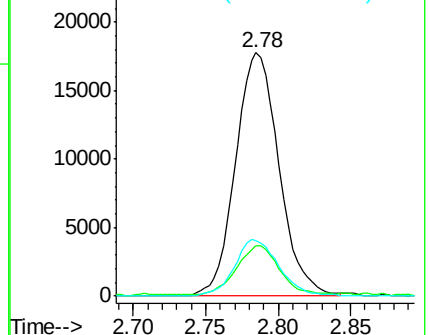
57 23.6 18.3 27.5

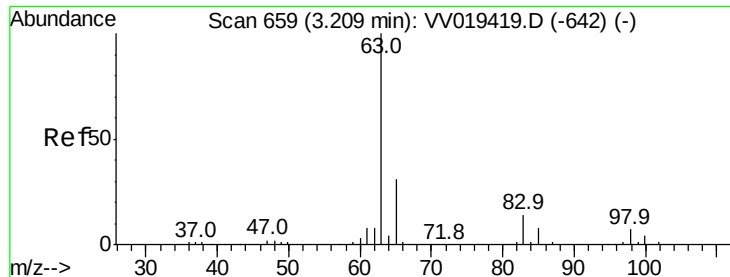


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

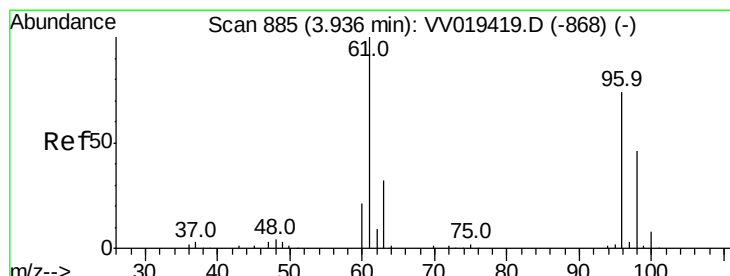
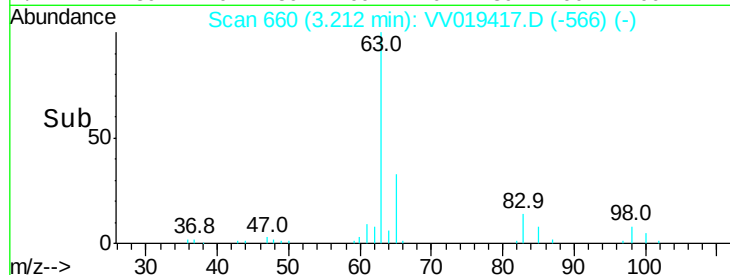
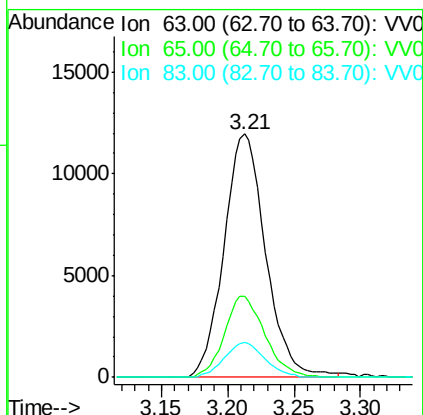
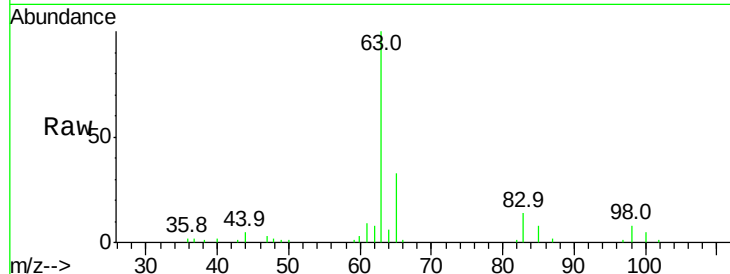




#19
 1,1-Dichloroethane
 Concen: 6.339 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VV019417.D
 Acq: 23 Nov 2020 12:21

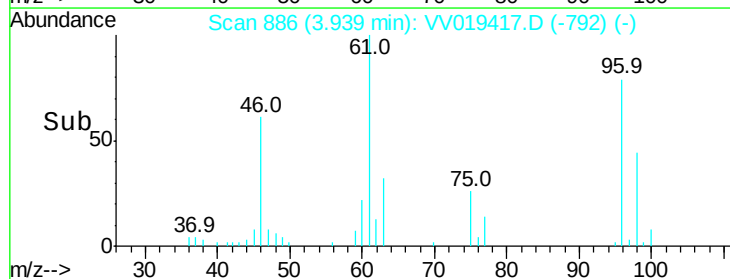
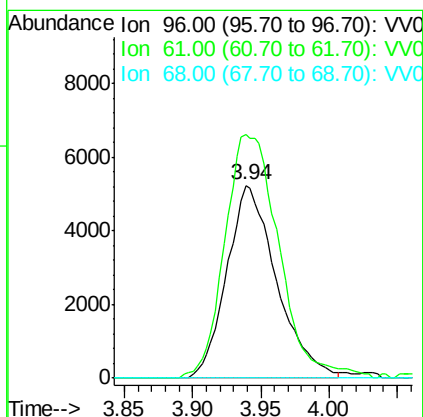
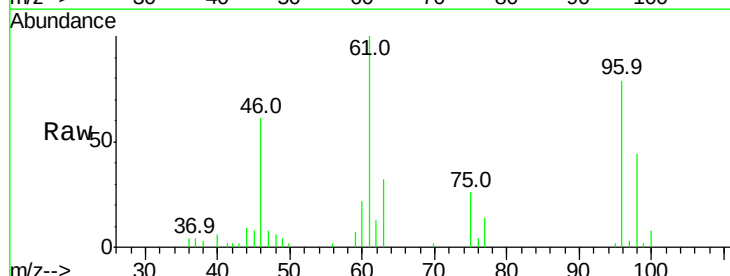
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00564

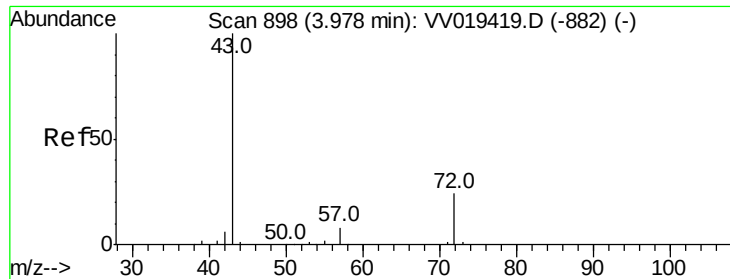
Tgt Ion: 63 Resp: 26095
 Ion Ratio Lower Upper
 63 100
 65 33.0 21.8 40.4
 83 14.2 9.8 18.2



#20
 cis-1,2-Dichloroethene
 Concen: 5.281 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV019417.D
 Acq: 23 Nov 2020 12:21

Tgt Ion: 96 Resp: 13273
 Ion Ratio Lower Upper
 96 100
 61 126.2 95.5 177.3
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 12.517 ug/L

RT: 4.00 min Scan# 905

Delta R.T. 0.02 min

Lab File: VV019417.D

Acq: 23 Nov 2020 12:21

Instrument :

MSVOA_V

ClientSampleId :

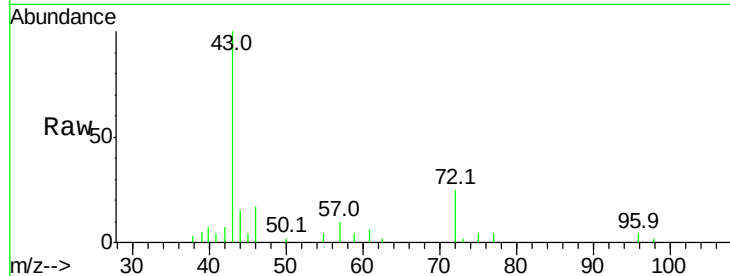
VSTD00564

Tgt Ion: 43 Resp: 17402

Ion Ratio Lower Upper

43 100

72 14.9 12.7 38.1



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 72.00 (71.70 to 72.70): VV0

4.00

5000

4000

3000

2000

1000

0

Time-->

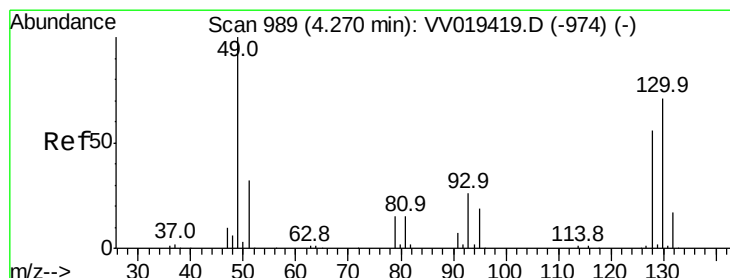
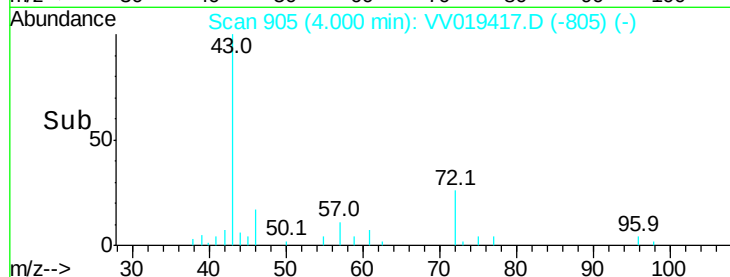
3.90

3.95

4.00

4.05

4.10



#23

Bromochloromethane

Concen: 5.015 ug/L

RT: 4.28 min Scan# 992

Delta R.T. 0.01 min

Lab File: VV019417.D

Acq: 23 Nov 2020 12:21

Tgt Ion: 128 Resp: 7269

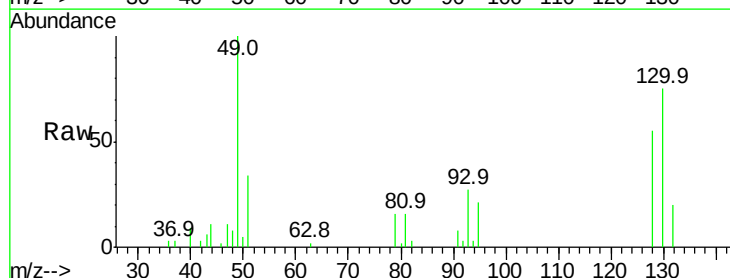
Ion Ratio Lower Upper

128 100

49 183.2 126.1 234.1

130 137.3 89.4 166.0

51 62.9 46.5 69.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VV0

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VV0

8000

6000

4000

2000

0

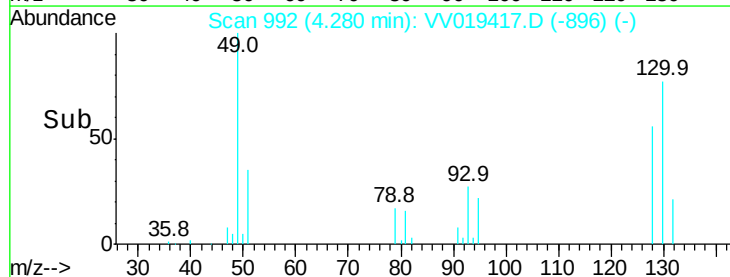
Time-->

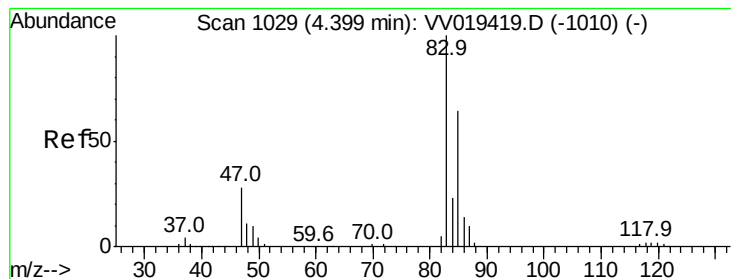
4.20

4.25

4.30

4.35





#25

Chloroform

Concen: 5.519 ug/L

RT: 4.41 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VV019417.D

Acq: 23 Nov 2020 12:21

Instrument :

MSVOA_V

ClientSampleId :

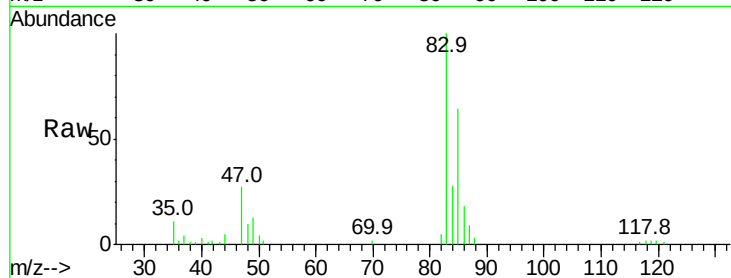
VSTD00564

Tgt Ion: 83 Resp: 26425

Ion Ratio Lower Upper

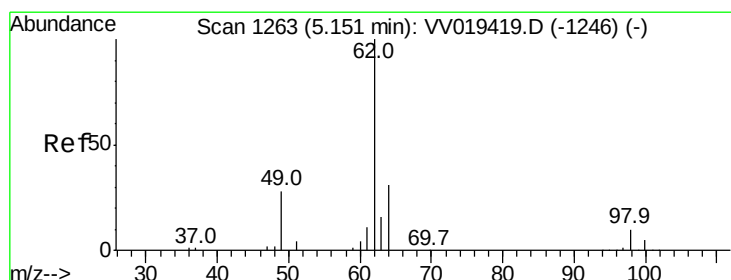
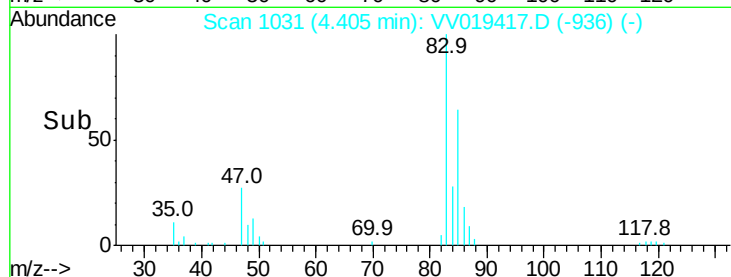
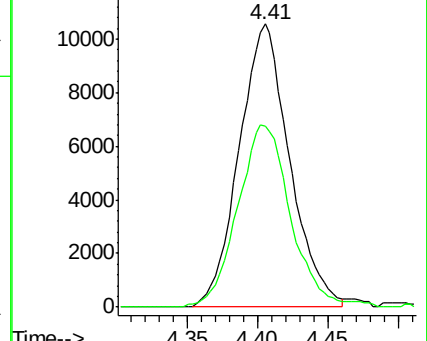
83 100

85 63.9 45.1 83.9



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#27

1,2-Dichloroethane

Concen: 5.025 ug/L

RT: 5.16 min Scan# 1265

Delta R.T. 0.01 min

Lab File: VV019417.D

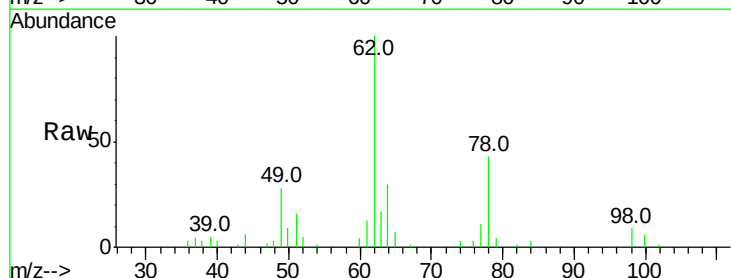
Acq: 23 Nov 2020 12:21

Tgt Ion: 62 Resp: 20380

Ion Ratio Lower Upper

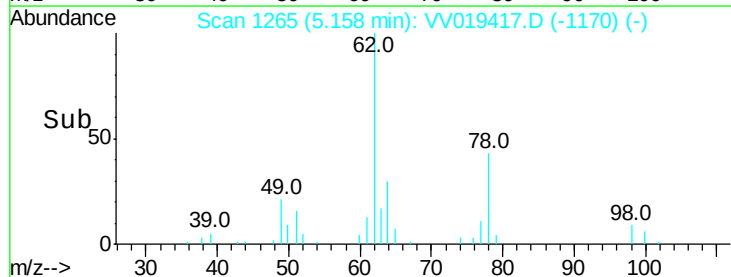
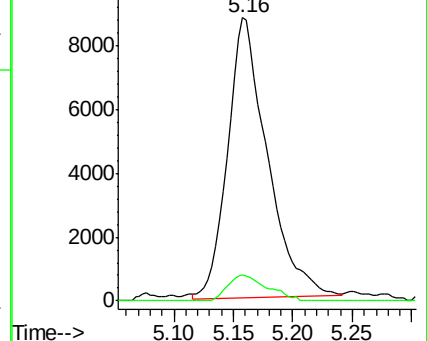
62 100

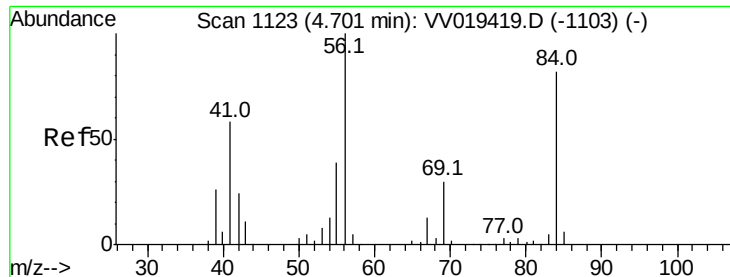
98 9.1 7.6 11.4



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

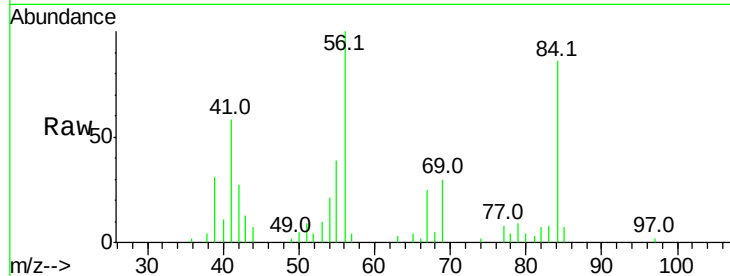




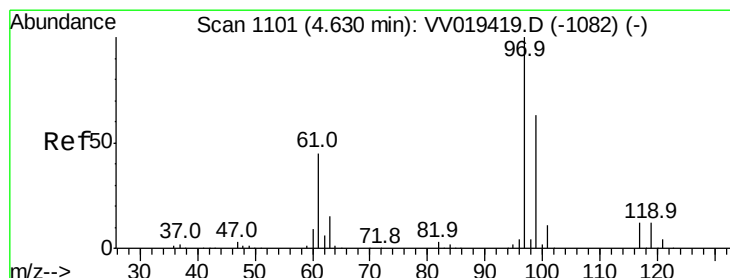
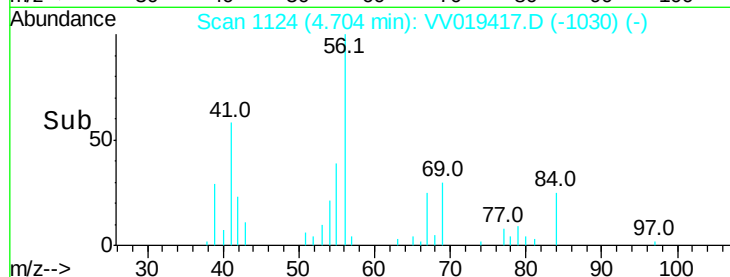
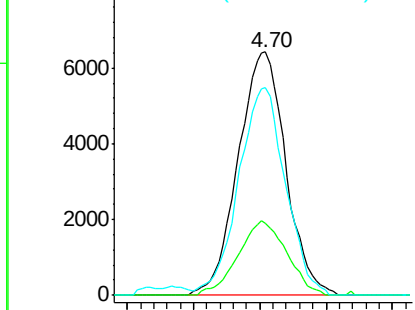
#29
Cyclohexane
Concen: 4.931 ug/L
RT: 4.70 min Scan# 1124
Delta R.T. 0.00 min
Lab File: VV019417.D
Acq: 23 Nov 2020 12:21

Instrument :
MSVOA_V
ClientSampleId :
VSTD00564

Tgt Ion: 56 Resp: 16064
Ion Ratio Lower Upper
56 100
69 31.4 23.8 35.8
84 84.1 67.0 100.6

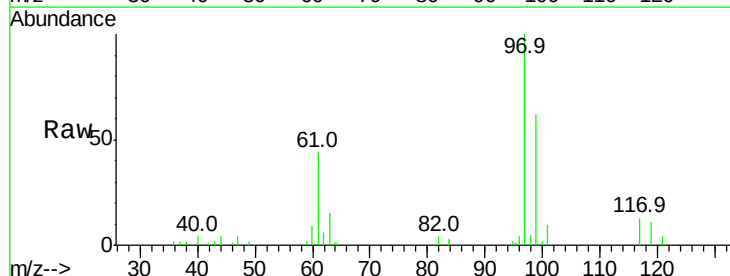


Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0

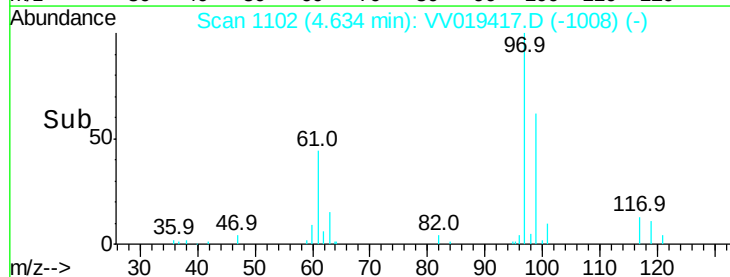
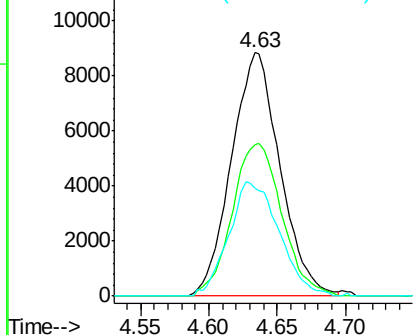


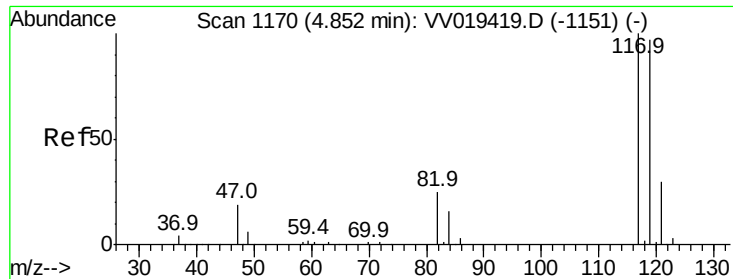
#30
1,1,1-Trichloroethane
Concen: 4.427 ug/L
RT: 4.63 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VV019417.D
Acq: 23 Nov 2020 12:21

Tgt Ion: 97 Resp: 21915
Ion Ratio Lower Upper
97 100
99 64.0 51.0 76.6
61 48.7 36.9 55.3



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 4.179 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VV019417.D

Acq: 23 Nov 2020 12:21

Instrument :

MSVOA_V

ClientSampleId :

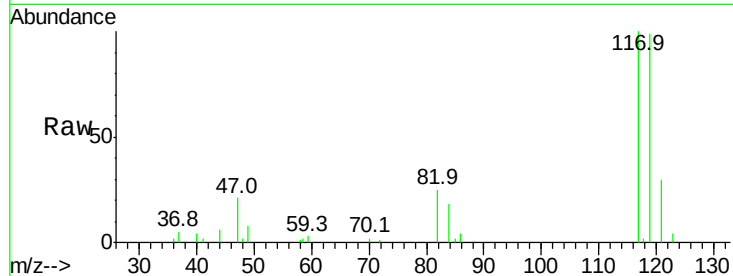
VSTD00564

Tgt Ion:117 Resp: 18630

Ion Ratio Lower Upper

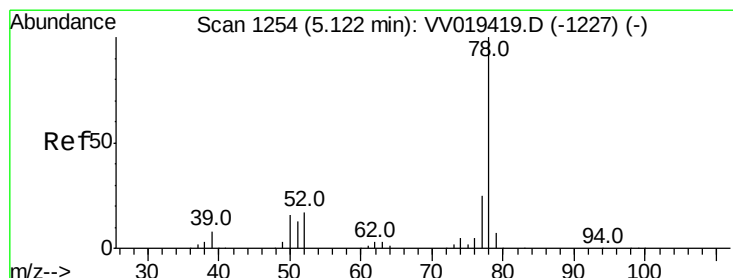
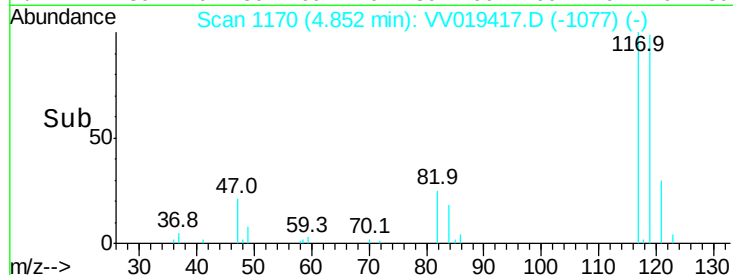
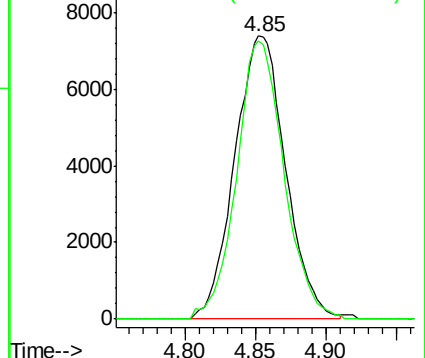
117 100

119 91.0 76.2 114.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 5.450 ug/L

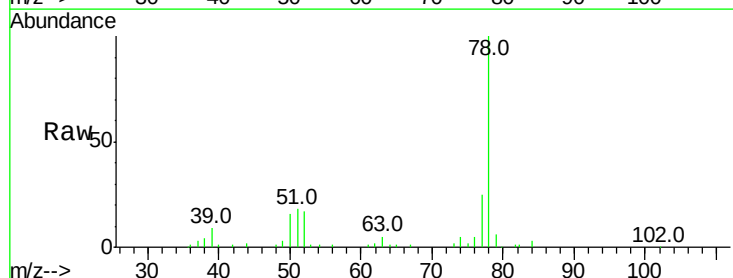
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

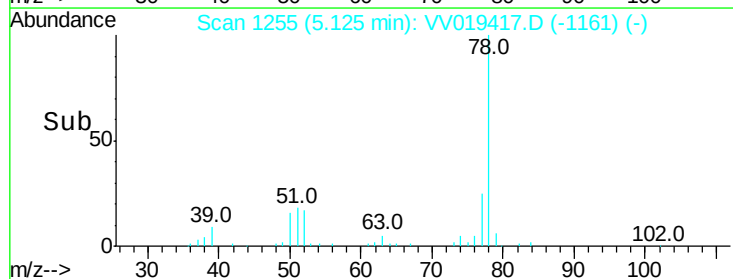
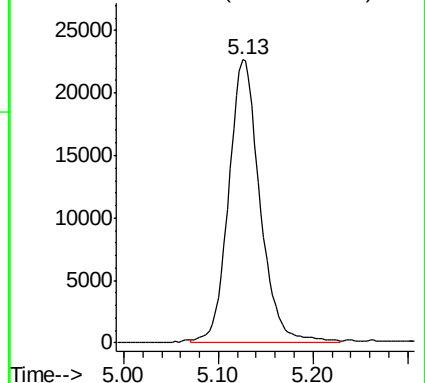
Lab File: VV019417.D

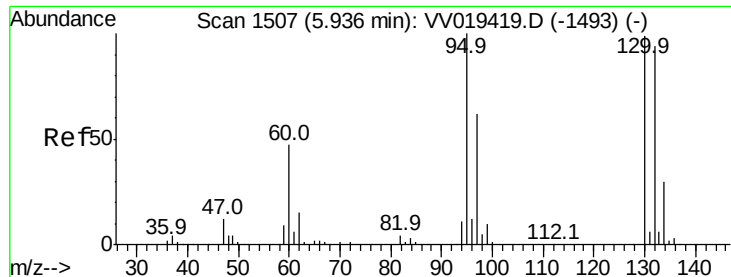
Acq: 23 Nov 2020 12:21

Tgt Ion: 78 Resp: 51813



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 5.672 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV019417.D

Acq: 23 Nov 2020 12:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD00564

Tgt Ion: 95 Resp: 16264

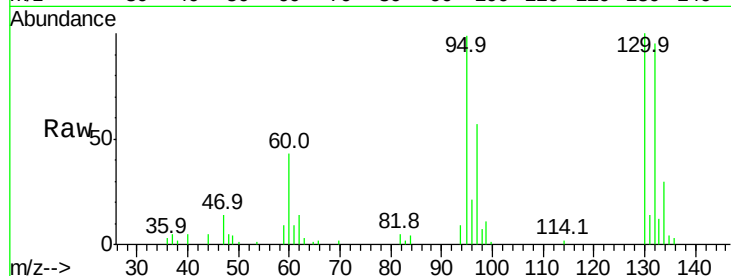
Ion Ratio Lower Upper

95 100

97 57.9 43.8 81.3

132 96.0 65.6 121.8

130 100.8 69.2 128.6



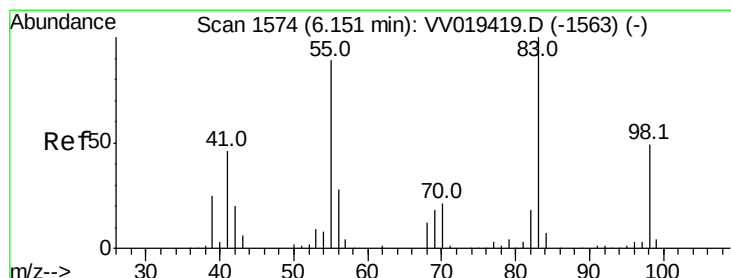
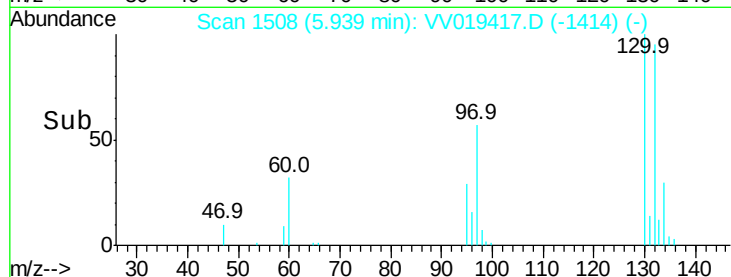
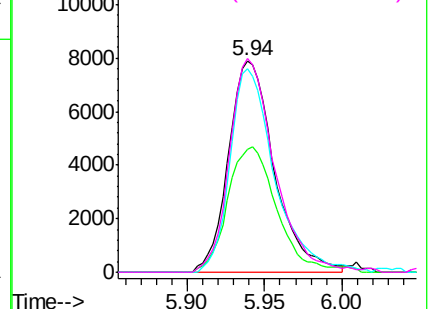
Abundance

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): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 4.520 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV019417.D

Acq: 23 Nov 2020 12:21

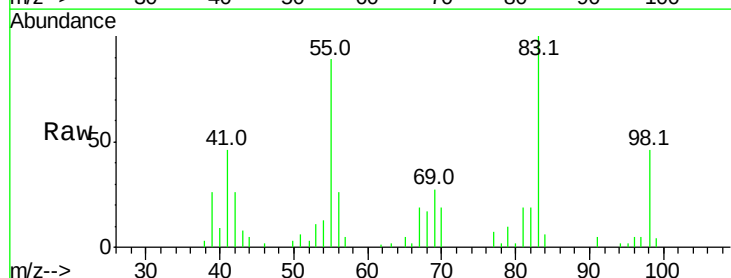
Tgt Ion: 83 Resp: 16019

Ion Ratio Lower Upper

83 100

55 86.3 67.4 101.2

98 46.1 38.3 57.5

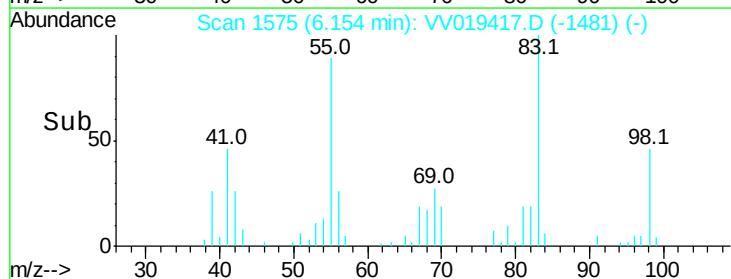
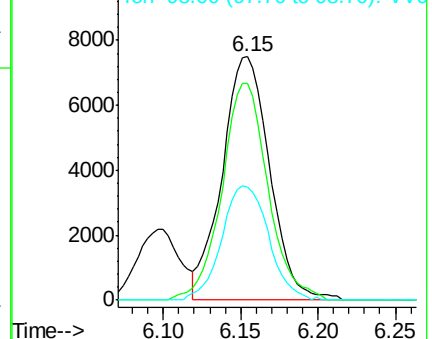


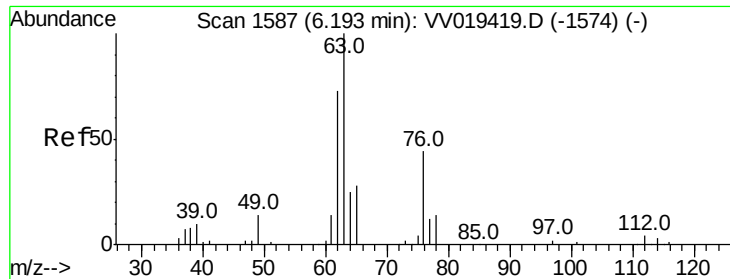
Abundance

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: 6.253 ug/L

RT: 6.20 min Scan# 1588

Delta R.T. 0.00 min

Lab File: VV019417.D

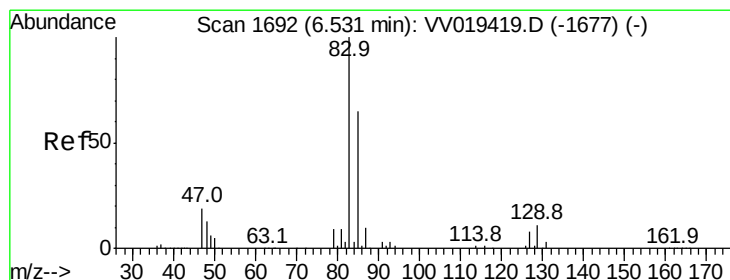
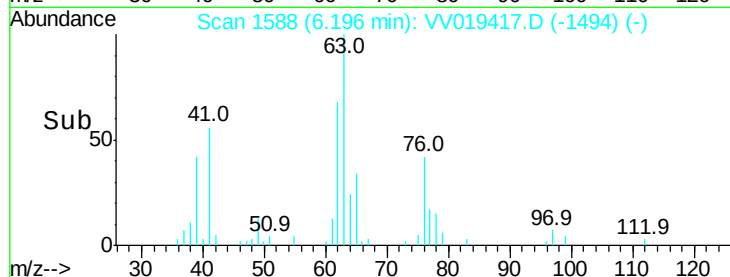
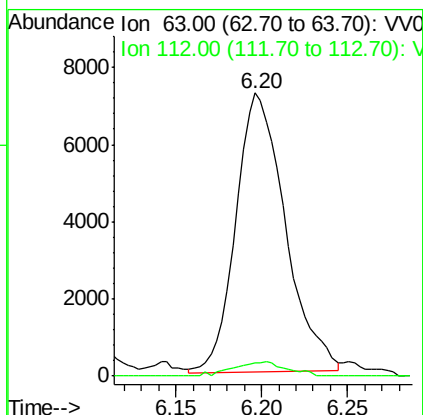
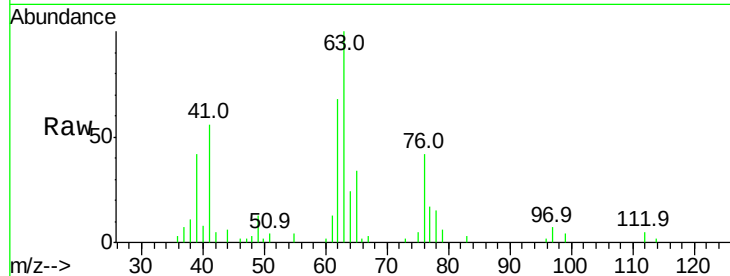
Acq: 23 Nov 2020 12:21

Instrument :
MSVOA_V

ClientSampleId :
VSTD00564

Tgt Ion: 63 Resp: 14449

Ion	Ratio	Lower	Upper
63	100		
112	5.1	3.8	5.6



#38

Bromodichloromethane

Concen: 5.267 ug/L

RT: 6.53 min Scan# 1693

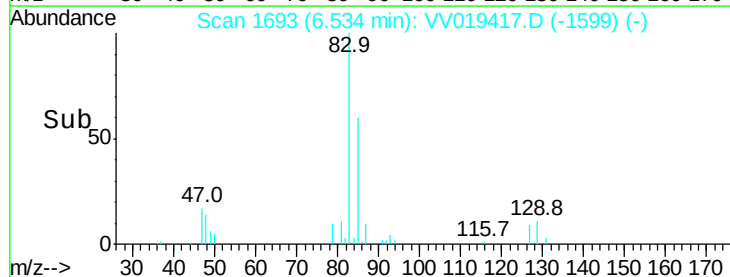
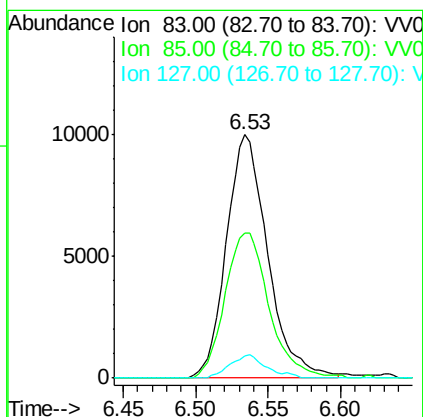
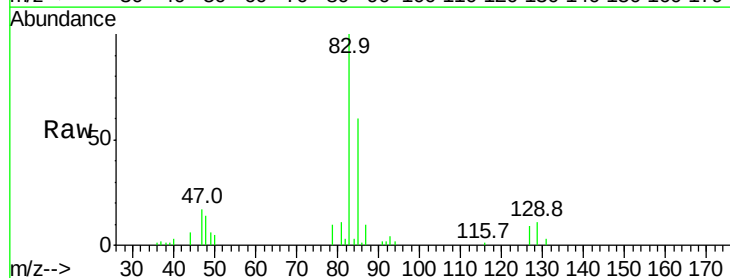
Delta R.T. 0.00 min

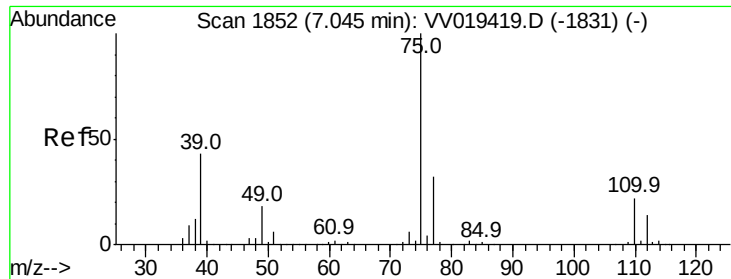
Lab File: VV019417.D

Acq: 23 Nov 2020 12:21

Tgt Ion: 83 Resp: 19784

Ion	Ratio	Lower	Upper
83	100		
85	59.7	45.3	84.1
127	9.2	6.6	9.8

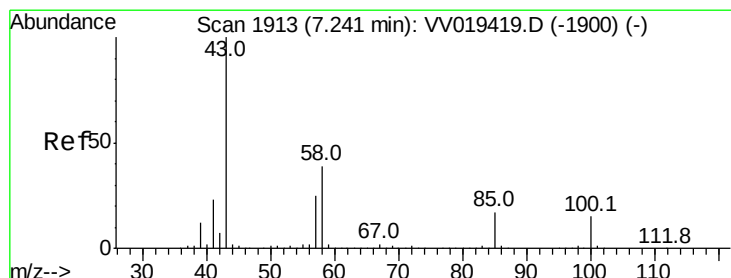
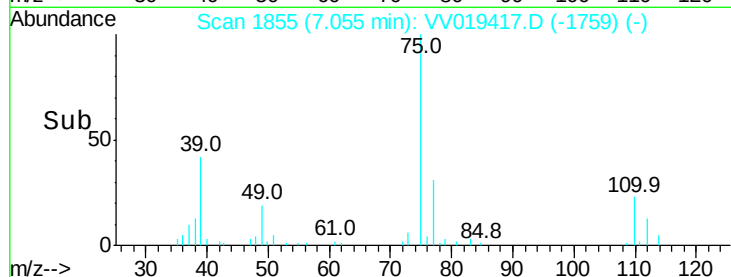
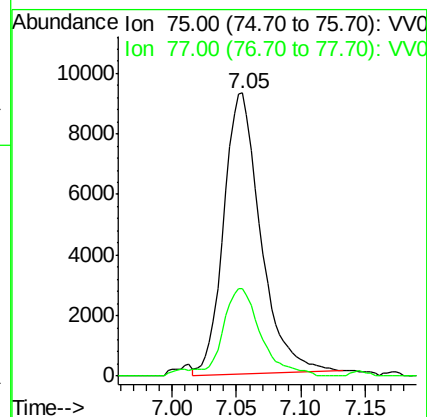
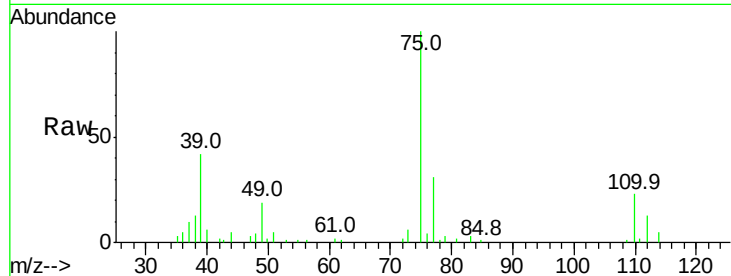




#39
 cis-1,3-Dichloropropene
 Concen: 4.673 ug/L
 RT: 7.05 min Scan# 1855
 Delta R.T. 0.01 min
 Lab File: VV019417.D
 Acq: 23 Nov 2020 12:21

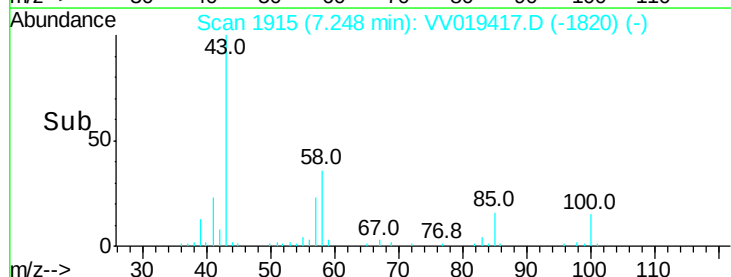
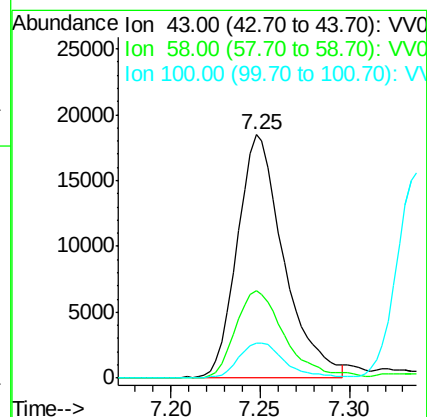
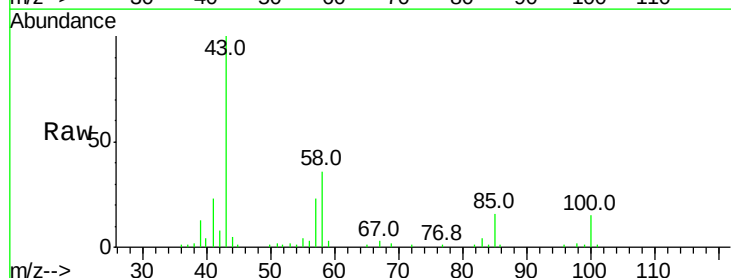
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00564

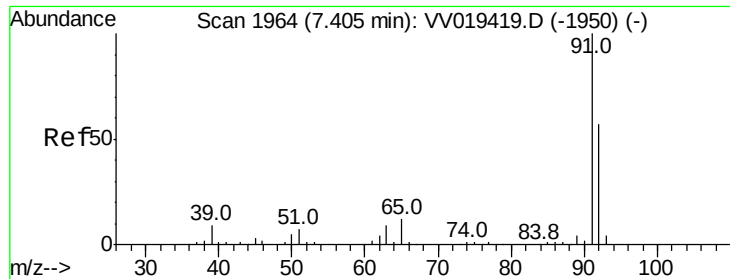
Tgt Ion: 75 Resp: 18514
 Ion Ratio Lower Upper
 75 100
 77 30.7 22.5 41.7



#40
 4-Methyl-2-pentanone
 Concen: 11.541 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. 0.01 min
 Lab File: VV019417.D
 Acq: 23 Nov 2020 12:21

Tgt Ion: 43 Resp: 33648
 Ion Ratio Lower Upper
 43 100
 58 37.2 31.0 46.4
 100 14.7 11.7 17.5





#42

Toluene

Concen: 4.600 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.01 min

Lab File: VV019417.D

Acq: 23 Nov 2020 12:21

Instrument :

MSVOA_V

ClientSampleId :

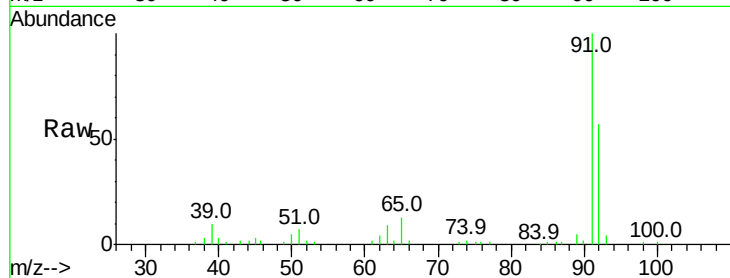
VSTD00564

Tgt Ion: 91 Resp: 49199

Ion Ratio Lower Upper

91 100

92 56.5 40.0 74.4



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

7.41

30000

25000

20000

15000

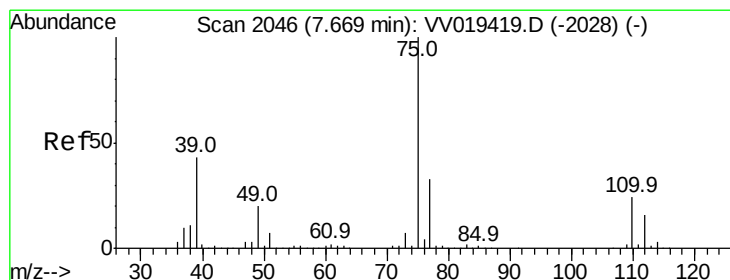
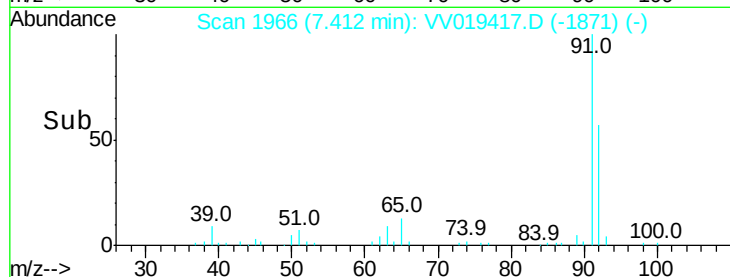
10000

5000

0

Time-->

7.35 7.40 7.45 7.50



#44

trans-1,3-Dichloropropene

Concen: 4.293 ug/L

RT: 7.68 min Scan# 2048

Delta R.T. 0.01 min

Lab File: VV019417.D

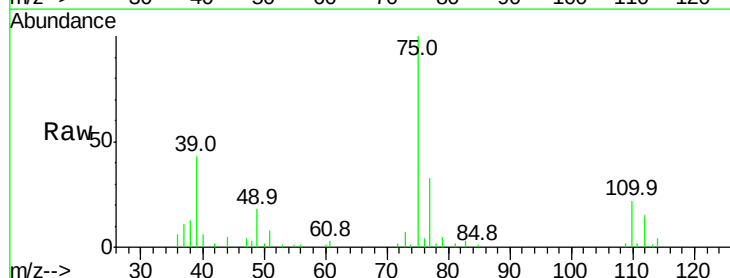
Acq: 23 Nov 2020 12:21

Tgt Ion: 75 Resp: 18117

Ion Ratio Lower Upper

75 100

77 32.6 22.8 42.4



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

7.68

10000

8000

6000

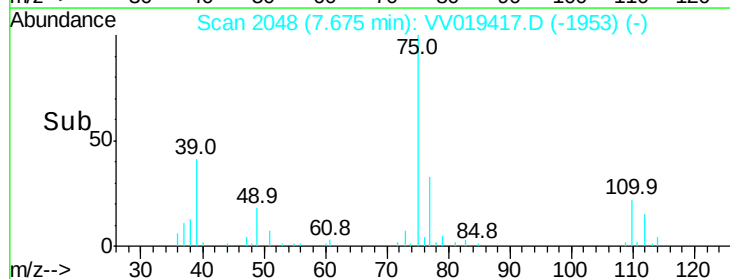
4000

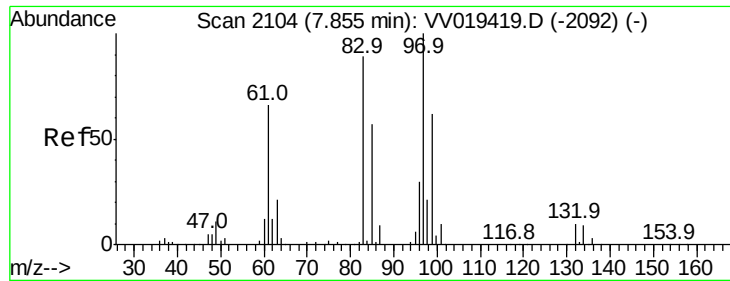
2000

0

Time-->

7.60 7.65 7.70 7.75

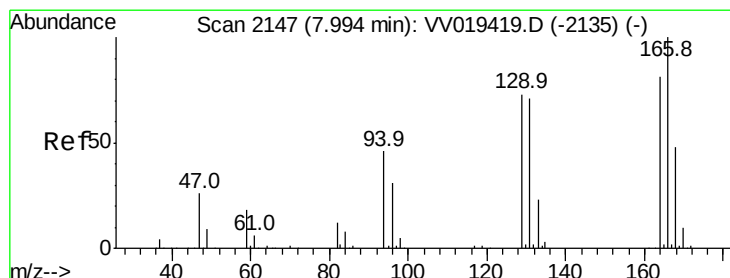
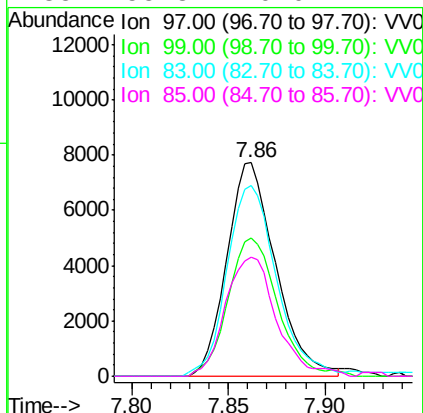
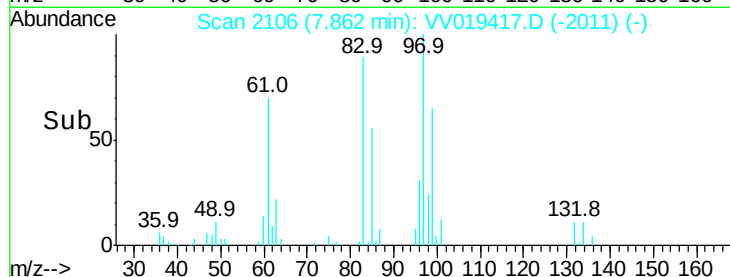
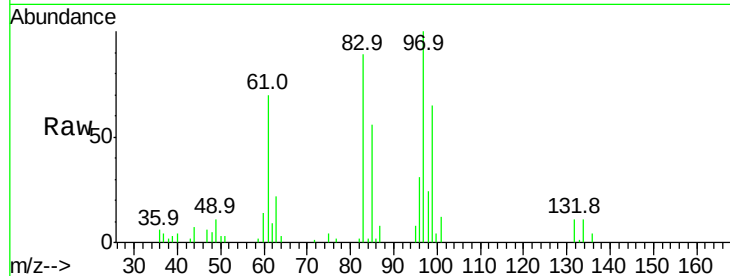




#45
 1,1,2-Trichloroethane
 Concen: 5.404 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. 0.01 min
 Lab File: VV019417.D
 Acq: 23 Nov 2020 12:21

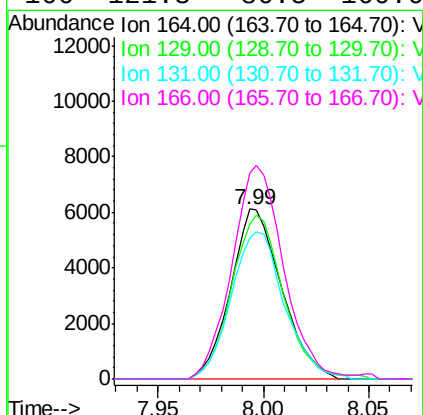
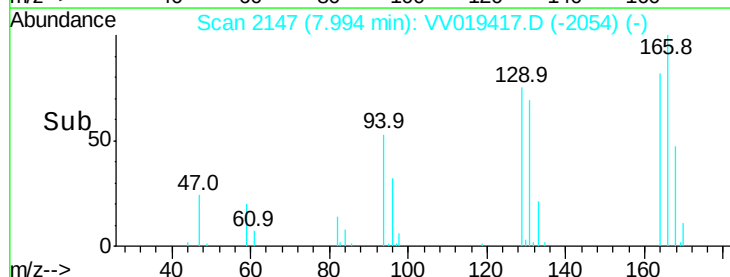
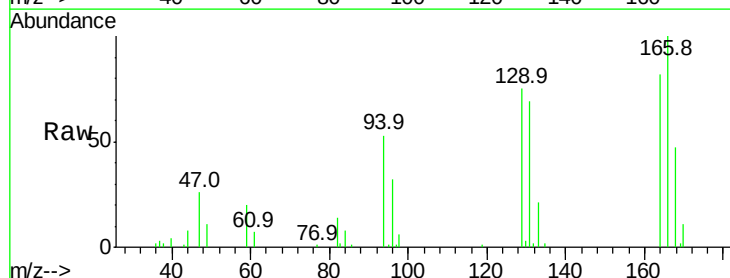
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00564

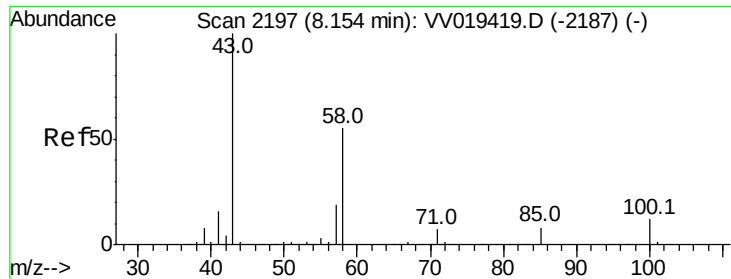
Tgt Ion:	97	Resp:	13546
Ion	Ratio	Lower	Upper
97	100		
99	64.9	43.7	81.1
83	89.3	62.0	115.2
85	55.8	40.0	74.4



#46
 Tetrachloroethene
 Concen: 4.065 ug/L
 RT: 7.99 min Scan# 2147
 Delta R.T. -0.00 min
 Lab File: VV019417.D
 Acq: 23 Nov 2020 12:21

Tgt Ion:	164	Resp:	10267
Ion	Ratio	Lower	Upper
164	100		
129	91.3	62.9	116.7
131	83.1	61.1	113.5
166	121.3	86.5	160.6

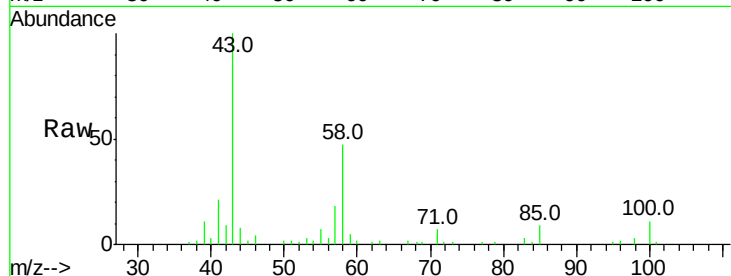




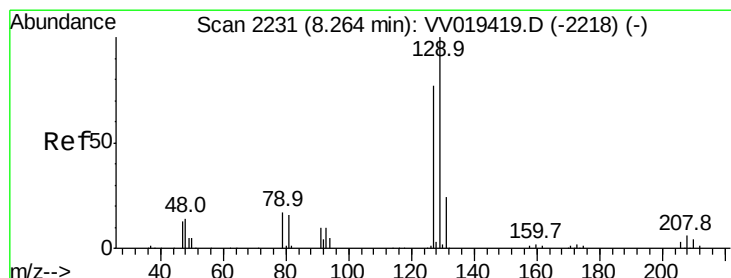
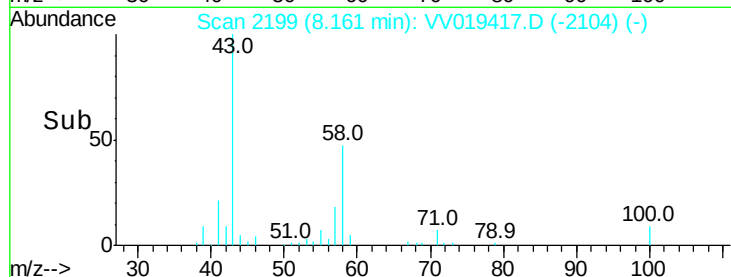
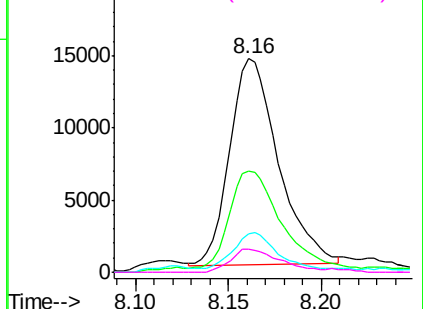
#48
2-Hexanone
Concen: 11.502 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. 0.01 min
Lab File: VV019417.D
Acq: 23 Nov 2020 12:21

Instrument :
MSVOA_V
ClientSampleId :
VSTD00564

Tgt Ion: 43 Resp: 26283
Ion Ratio Lower Upper
43 100
58 50.7 43.8 65.6
57 17.9 15.4 23.2
100 11.3 9.0 13.6

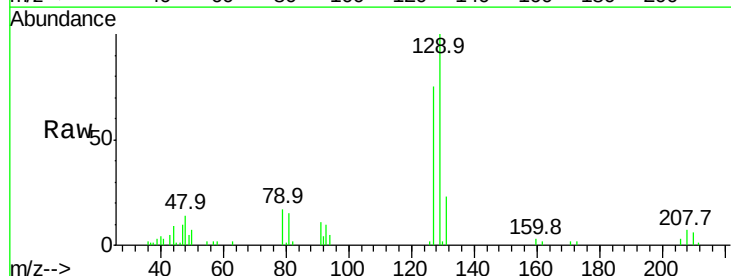


Abundance Ion 43.00 (42.70 to 43.70): VV019417.D (-2199) (-)
Ion 58.00 (57.70 to 58.70): VV019417.D (-2199) (-)
Ion 57.00 (56.70 to 57.70): VV019417.D (-2199) (-)
Ion 100.00 (99.70 to 100.70): VV019417.D (-2199) (-)

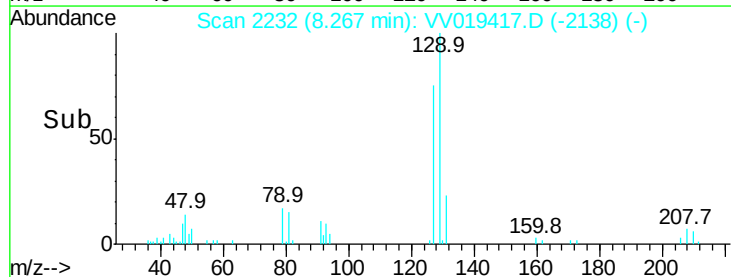
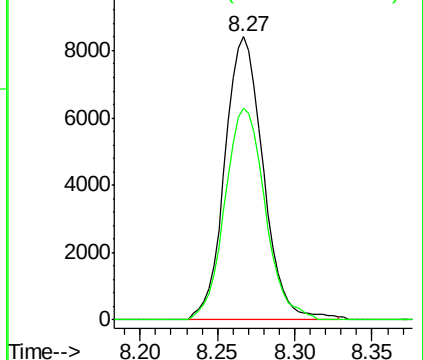


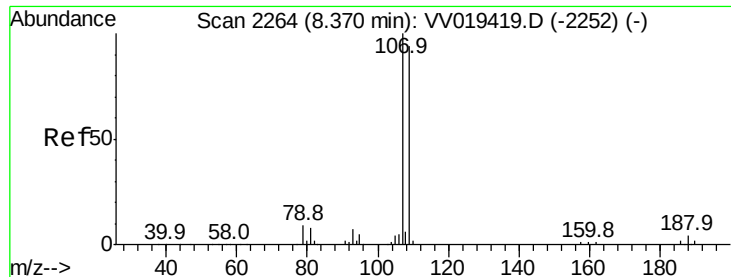
#49
Dibromochloromethane
Concen: 4.505 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV019417.D
Acq: 23 Nov 2020 12:21

Tgt Ion: 129 Resp: 14491
Ion Ratio Lower Upper
129 100
127 74.7 53.5 99.5



Abundance Ion 129.00 (128.70 to 129.70): VV019417.D (-2232) (-)
Ion 127.00 (126.70 to 127.70): VV019417.D (-2232) (-)

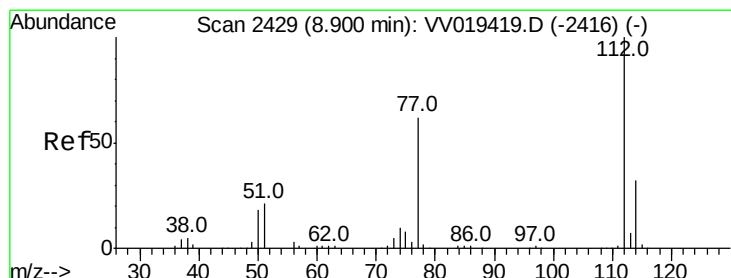
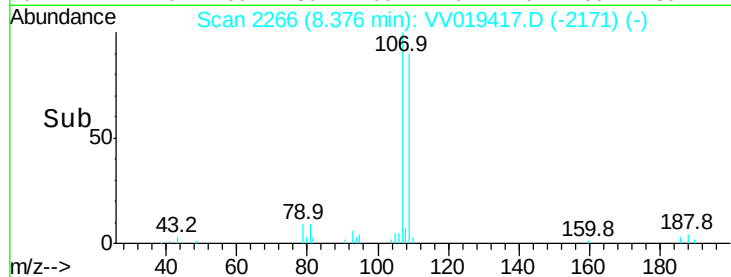
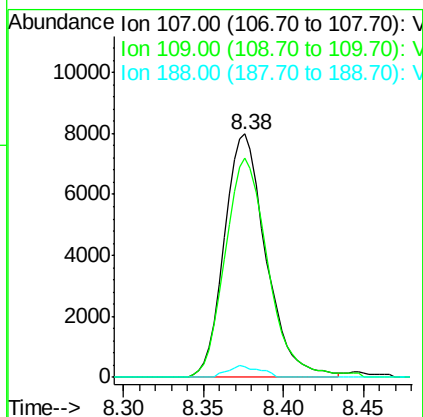
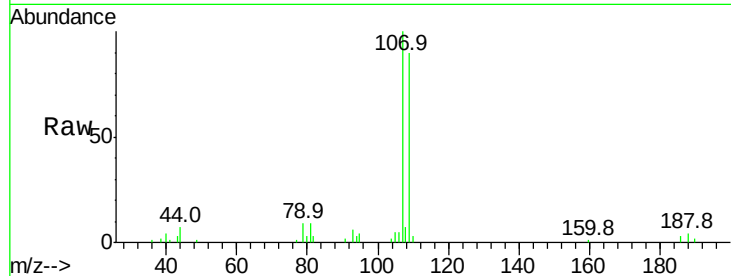




#50
 1,2-Dibromoethane
 Concen: 5.195 ug/L
 RT: 8.38 min Scan# 2266
 Delta R.T. 0.01 min
 Lab File: VV019417.D
 Acq: 23 Nov 2020 12:21

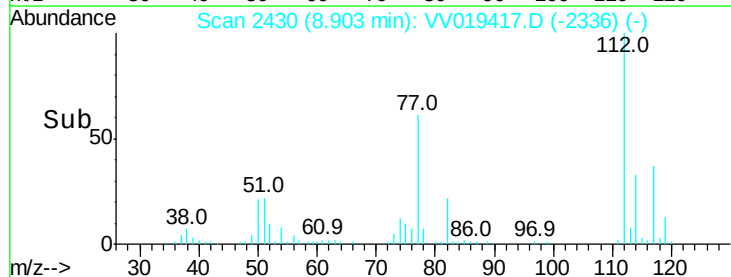
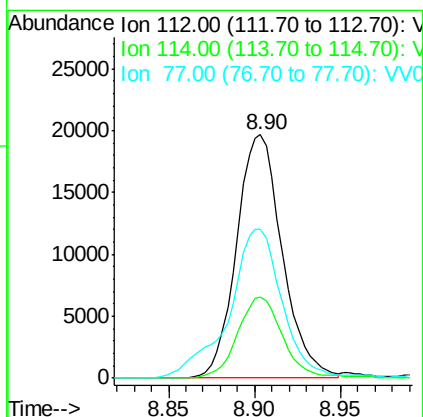
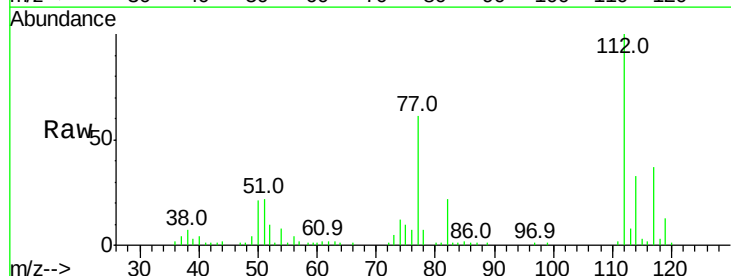
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00564

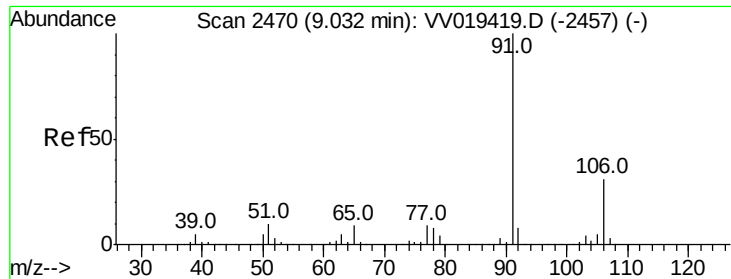
Tgt Ion:107 Resp: 14246
 Ion Ratio Lower Upper
 107 100
 109 90.2 66.1 122.8
 188 4.4 3.0 4.4



#51
 Chlorobenzene
 Concen: 4.936 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV019417.D
 Acq: 23 Nov 2020 12:21

Tgt Ion:112 Resp: 36303
 Ion Ratio Lower Upper
 112 100
 114 33.3 22.7 42.1
 77 61.4 50.3 75.5





#52

Ethylbenzene

Concen: 4.429 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV019417.D

Acq: 23 Nov 2020 12:21

Instrument :

MSVOA_V

ClientSampleId :

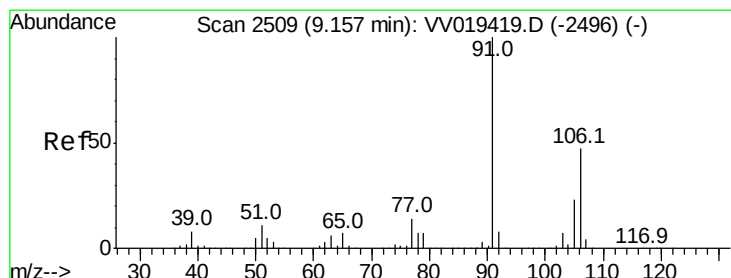
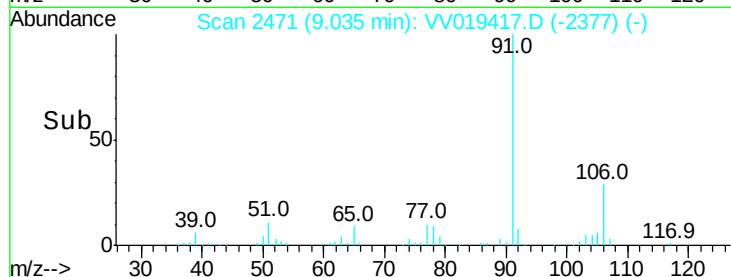
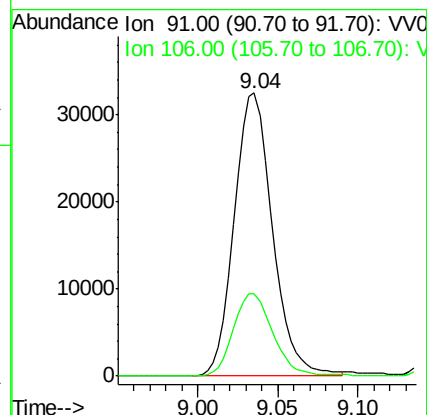
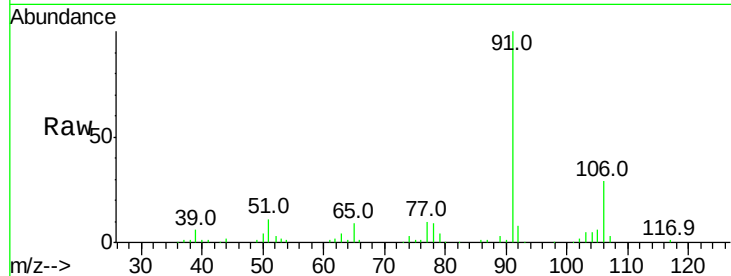
VSTD00564

Tgt Ion: 91 Resp: 52974

Ion Ratio Lower Upper

91 100

106 28.9 21.4 39.8



#53

m,p-Xylene

Concen: 4.006 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV019417.D

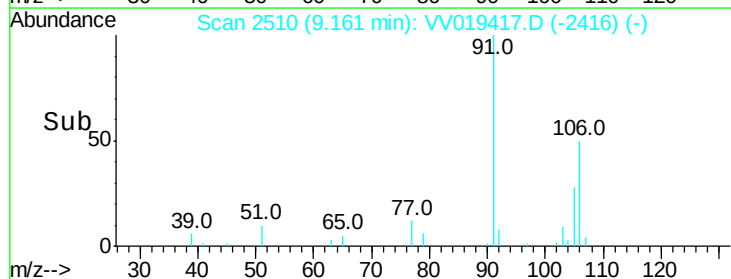
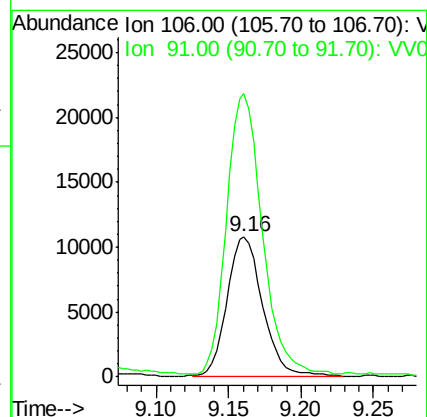
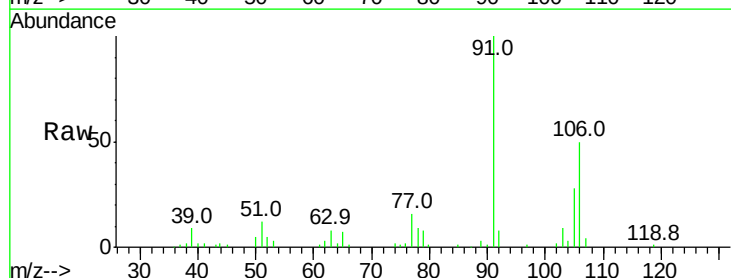
Acq: 23 Nov 2020 12:21

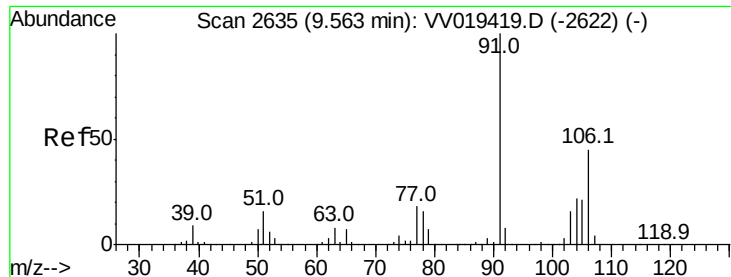
Tgt Ion: 106 Resp: 18553

Ion Ratio Lower Upper

106 100

91 201.8 148.7 276.3





#54

o-xylene

Concen: 3.932 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV019417.D

Acq: 23 Nov 2020 12:21

Instrument :

MSVOA_V

ClientSampleId :

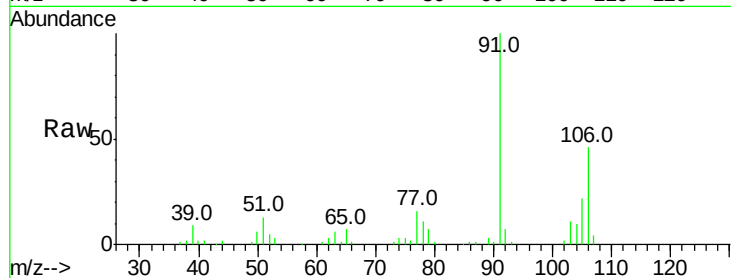
VSTD00564

Tgt Ion:106 Resp: 17609

Ion Ratio Lower Upper

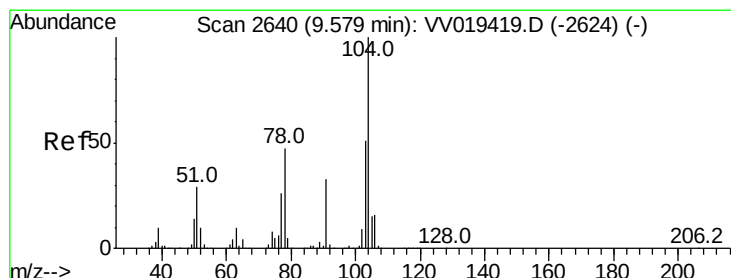
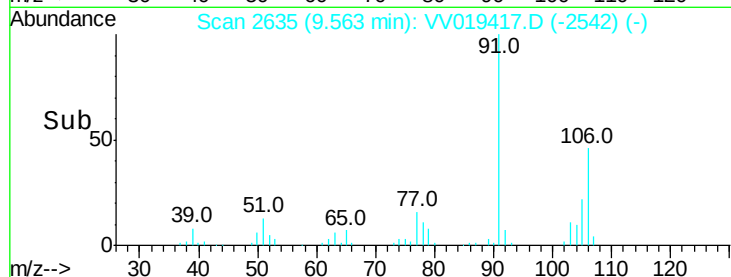
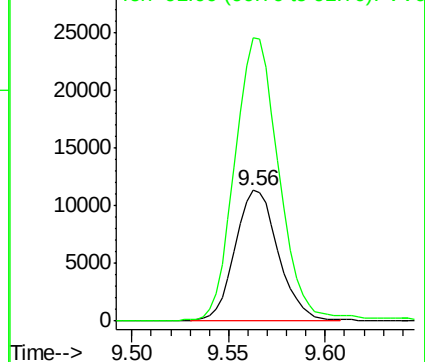
106 100

91 216.9 155.1 288.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 3.737 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV019417.D

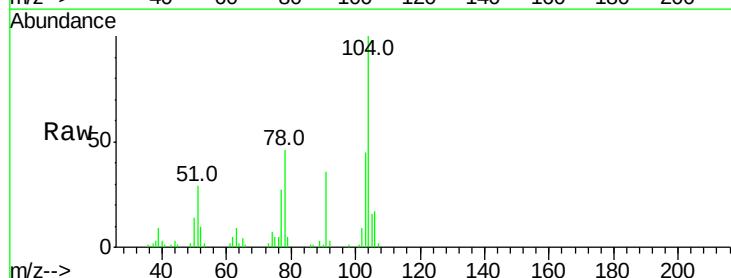
Acq: 23 Nov 2020 12:21

Tgt Ion:104 Resp: 29598

Ion Ratio Lower Upper

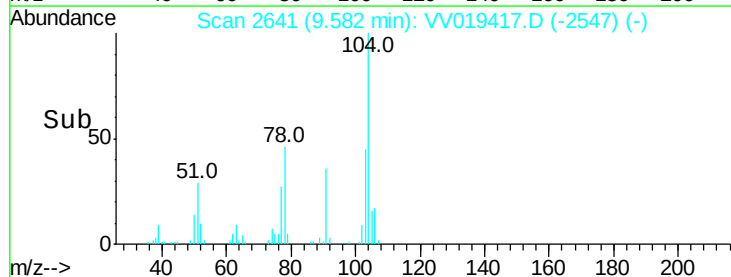
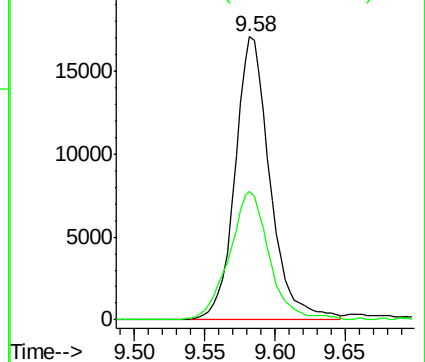
104 100

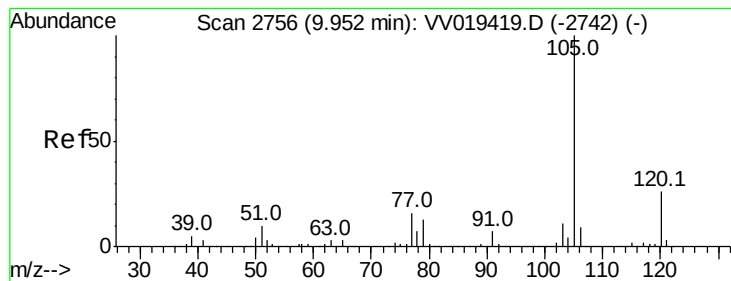
78 45.6 33.0 61.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 3.824 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV019417.D

Acq: 23 Nov 2020 12:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD00564

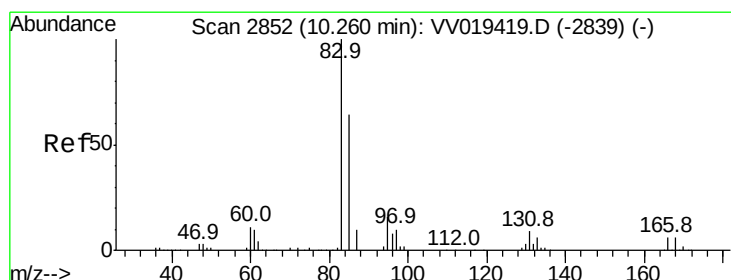
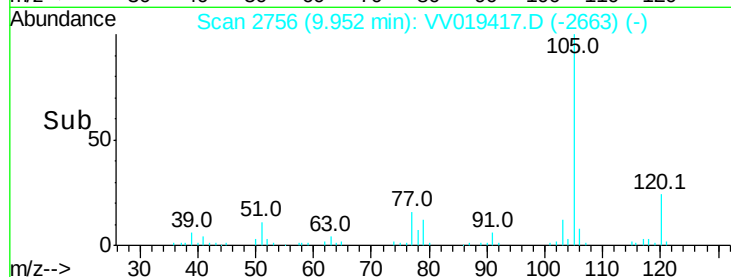
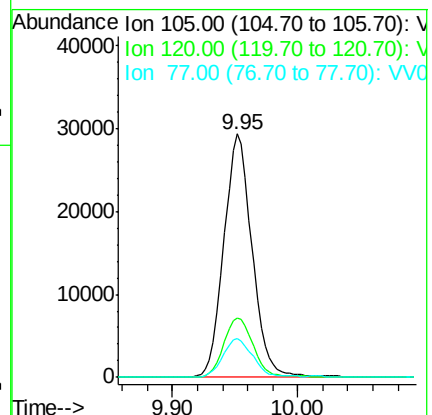
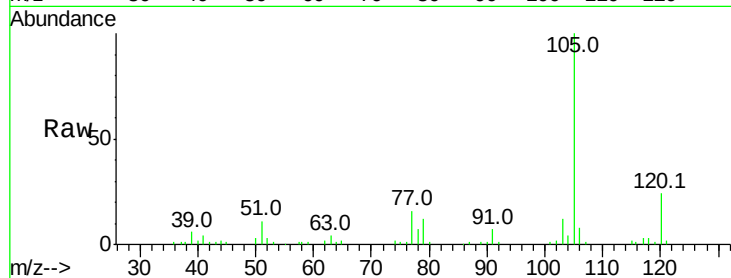
Tgt Ion: 105 Resp: 45986

Ion Ratio Lower Upper

105 100

120 25.0 20.8 31.2

77 16.9 13.1 19.7



#58

1,1,2,2-Tetrachloroethane

Concen: 5.262 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV019417.D

Acq: 23 Nov 2020 12:21

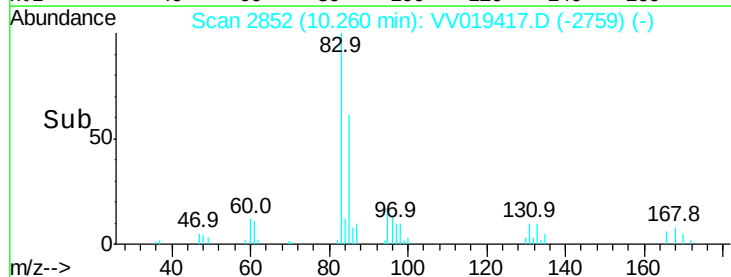
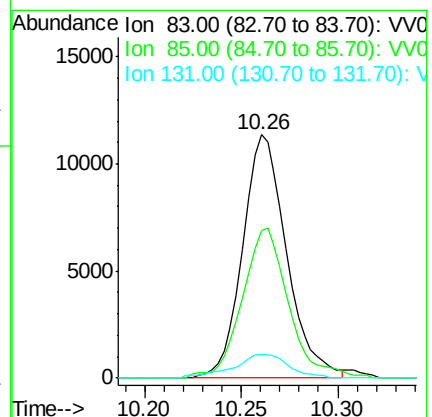
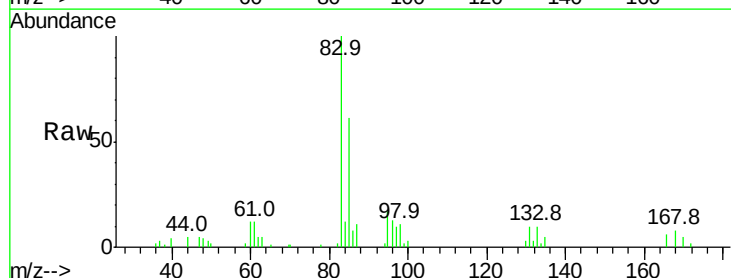
Tgt Ion: 83 Resp: 18023

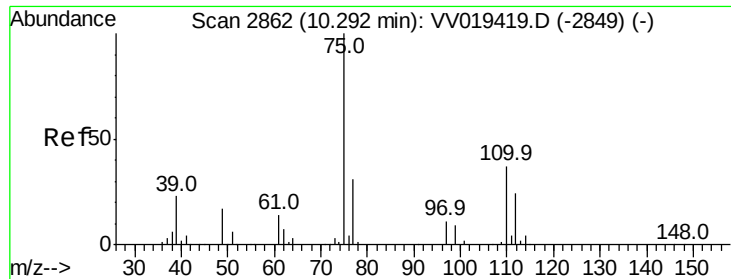
Ion Ratio Lower Upper

83 100

85 60.8 44.8 83.2

131 9.7 7.2 10.8





#59

1,2,3-Trichloropropane

Concen: 5.868 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV019417.D

Acq: 23 Nov 2020 12:21

Instrument :

MSVOA_V

ClientSampleId :

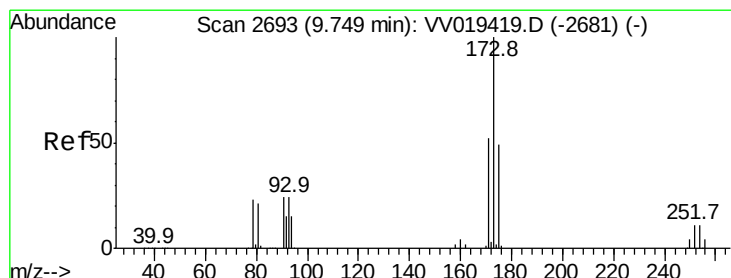
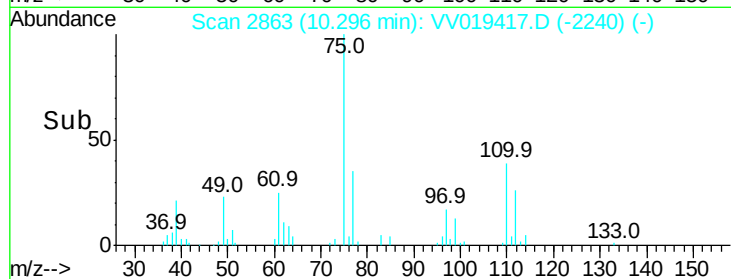
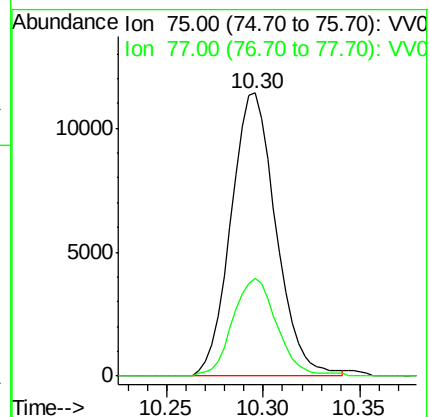
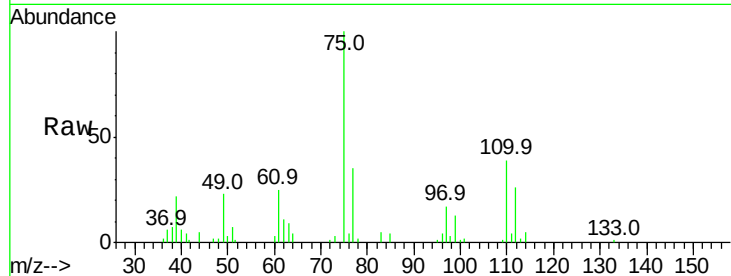
VSTD00564

Tgt Ion: 75 Resp: 18518

Ion Ratio Lower Upper

75 100

77 33.6 25.2 37.8



#61

Bromoform

Concen: 4.619 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV019417.D

Acq: 23 Nov 2020 12:21

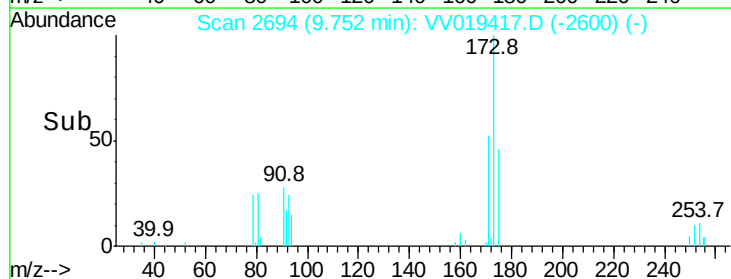
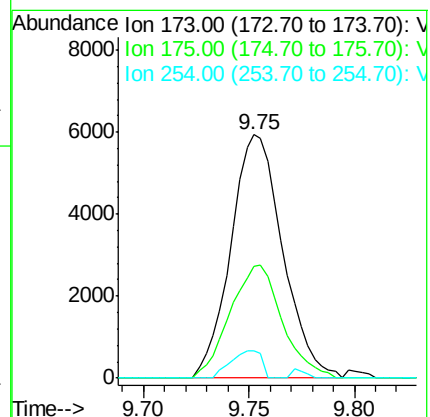
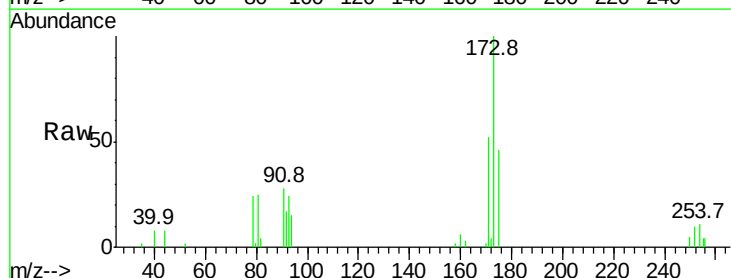
Tgt Ion: 173 Resp: 10123

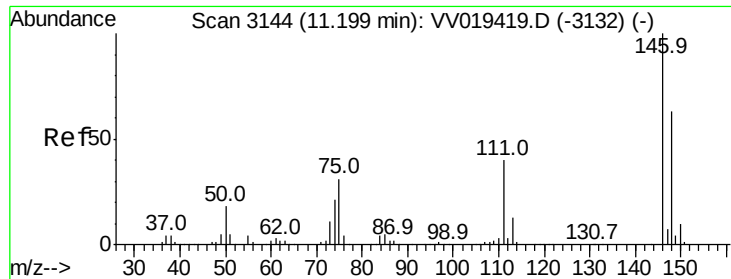
Ion Ratio Lower Upper

173 100

175 46.7 38.8 58.2

254 6.7 8.6 13.0#

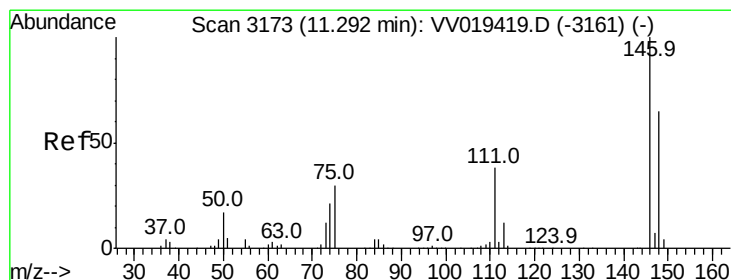
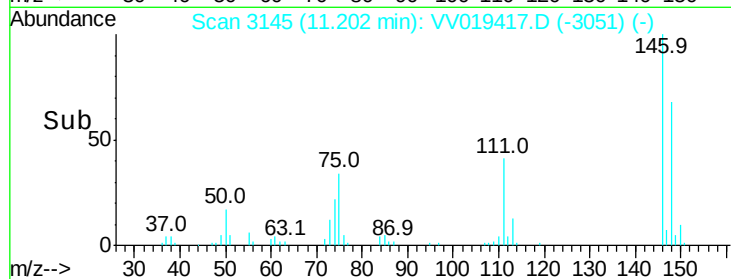
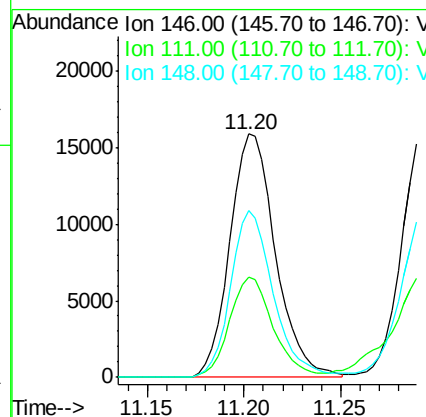
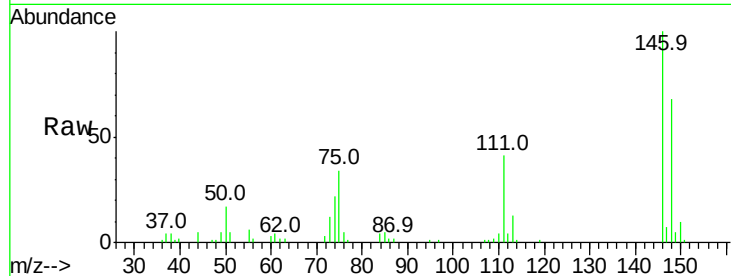




#62
 1,3-Dichlorobenzene
 Concen: 4.826 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. 0.00 min
 Lab File: VV019417.D
 Acq: 23 Nov 2020 12:21

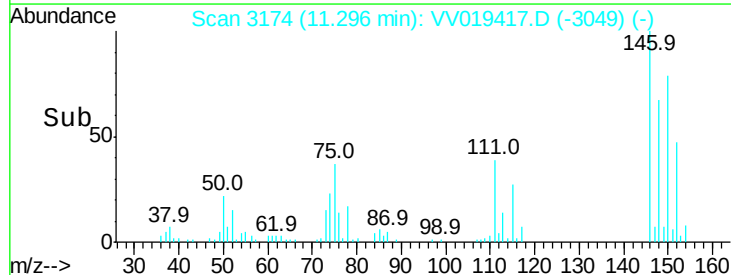
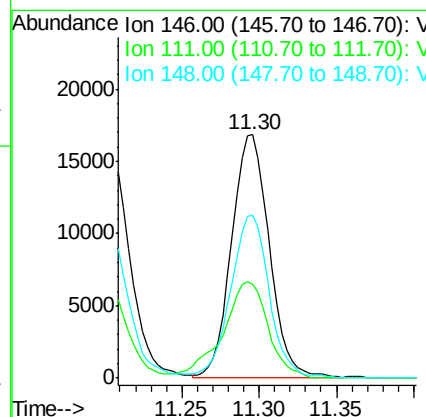
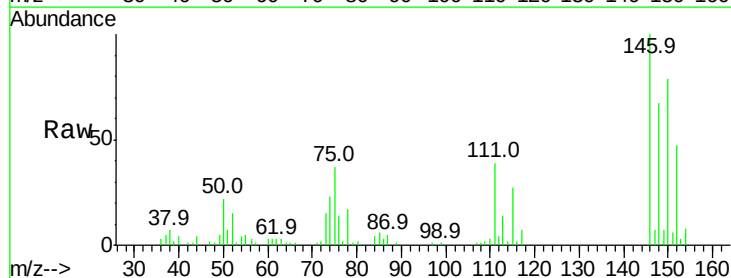
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00564

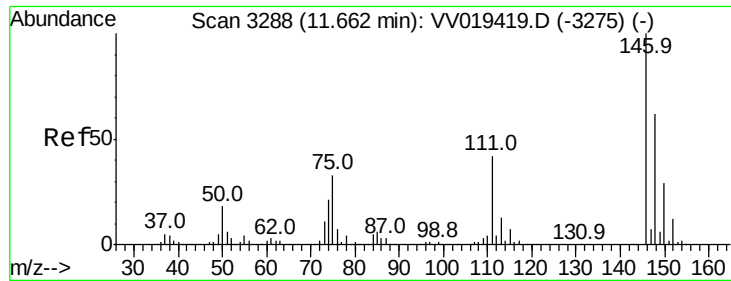
Tgt Ion:146 Resp: 26100
 Ion Ratio Lower Upper
 146 100
 111 41.3 27.9 51.7
 148 68.3 44.4 82.5



#63
 1,4-Dichlorobenzene
 Concen: 5.058 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV019417.D
 Acq: 23 Nov 2020 12:21

Tgt Ion:146 Resp: 28615
 Ion Ratio Lower Upper
 146 100
 111 38.7 26.7 49.7
 148 67.0 45.2 84.0

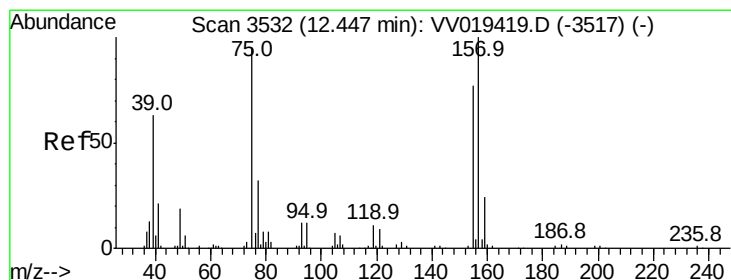
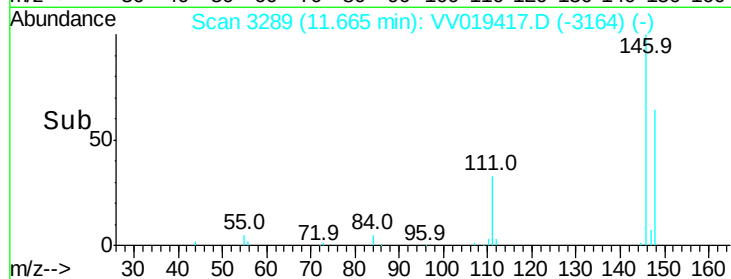
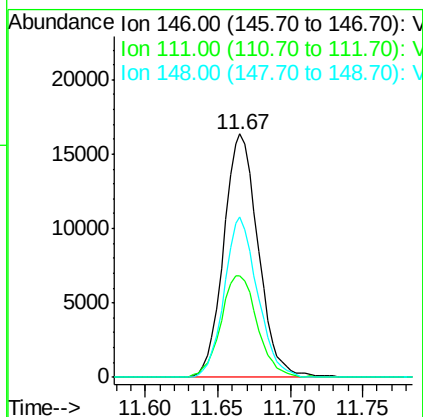
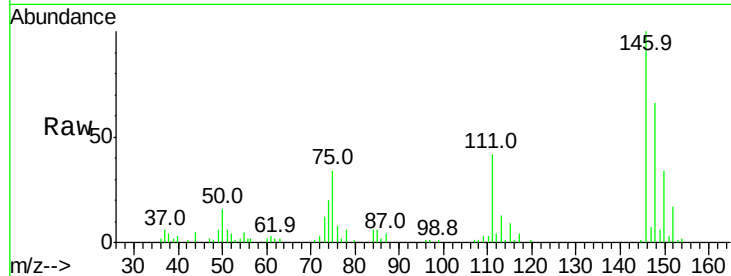




#65
 1,2-Dichlorobenzene
 Concen: 4.927 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV019417.D
 Acq: 23 Nov 2020 12:21

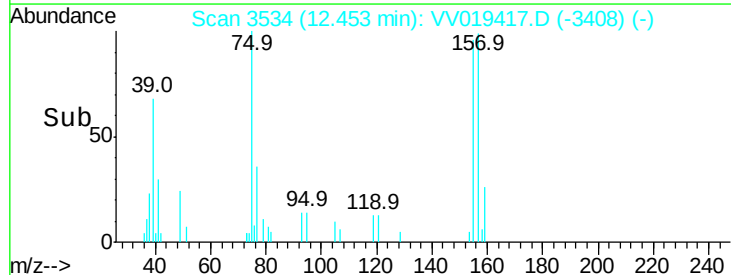
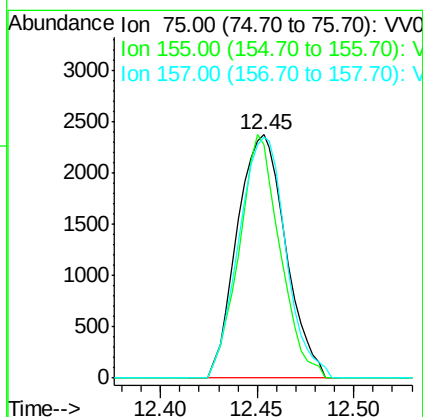
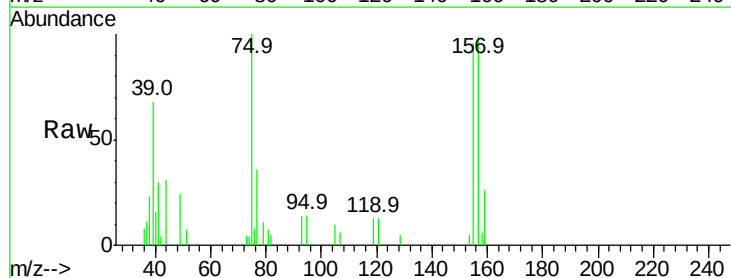
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00564

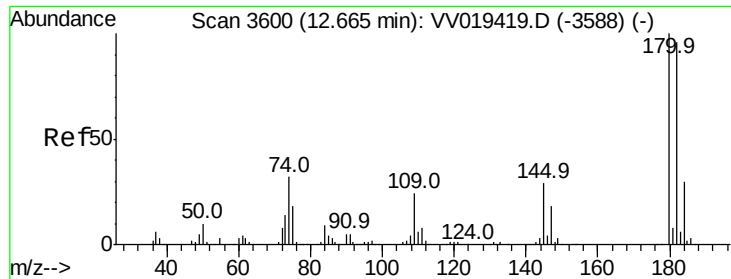
Tgt Ion: 146 Resp: 26962
 Ion Ratio Lower Upper
 146 100
 111 41.8 33.8 50.8
 148 65.6 49.8 74.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.226 ug/L
 RT: 12.45 min Scan# 3534
 Delta R.T. 0.01 min
 Lab File: VV019417.D
 Acq: 23 Nov 2020 12:21

Tgt Ion: 75 Resp: 4131
 Ion Ratio Lower Upper
 75 100
 155 96.1 64.5 96.7
 157 98.9 84.2 126.2

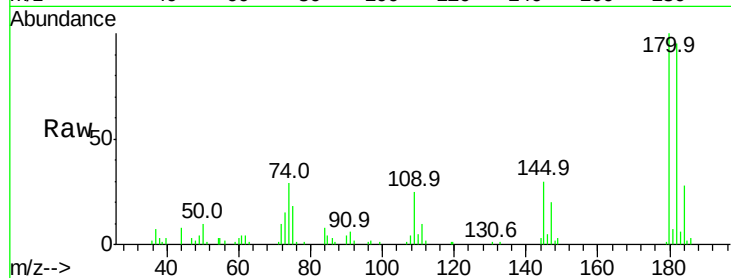




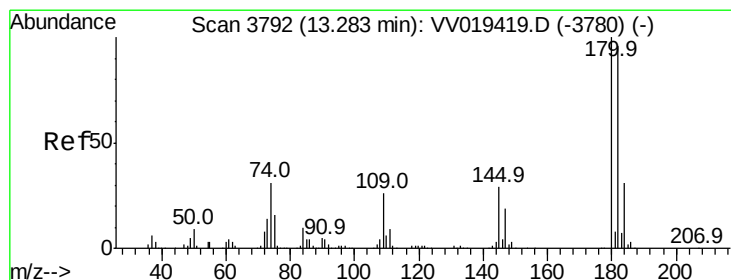
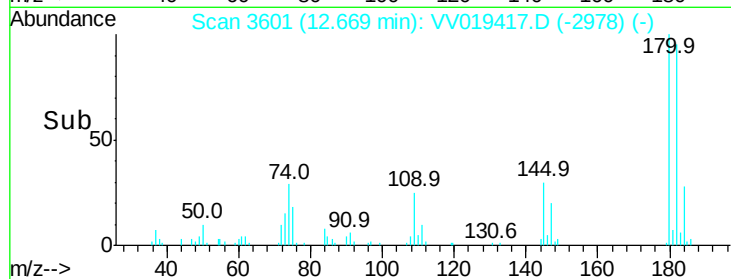
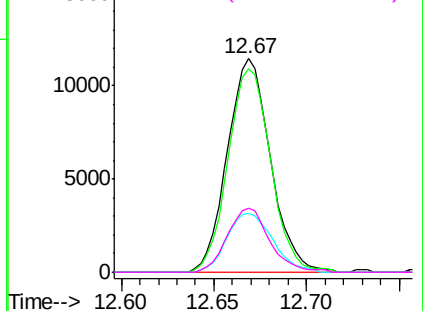
#67
 1,3,5-Trichlorobenzene
 Concen: 4.457 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV019417.D
 Acq: 23 Nov 2020 12:21

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00564

Tgt Ion:180 Resp: 18477
 Ion Ratio Lower Upper
 180 100
 182 93.7 77.0 115.4
 184 29.4 24.2 36.2
 145 28.9 23.2 34.8

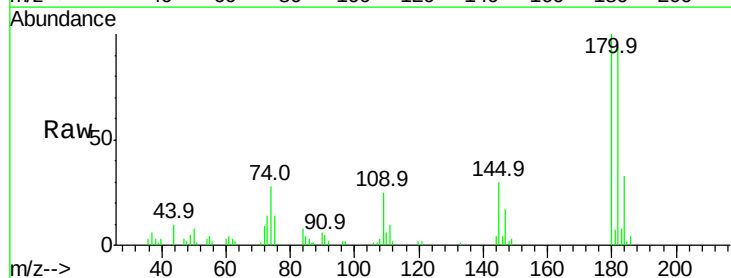


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

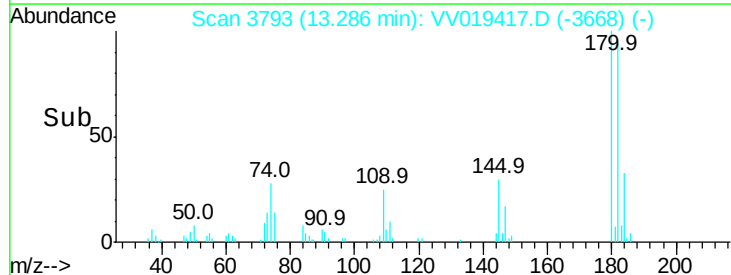
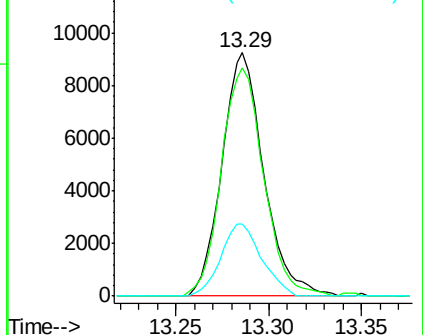


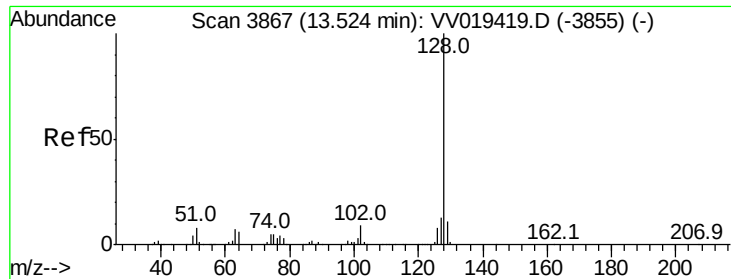
#68
 1,2,4-trichlorobenzene
 Concen: 3.883 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV019417.D
 Acq: 23 Nov 2020 12:21

Tgt Ion:180 Resp: 14482
 Ion Ratio Lower Upper
 180 100
 182 94.7 76.3 114.5
 145 28.7 23.4 35.2



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





#69

Naphthalene

Concen: 3.040 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV019417.D

Acq: 23 Nov 2020 12:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD00564

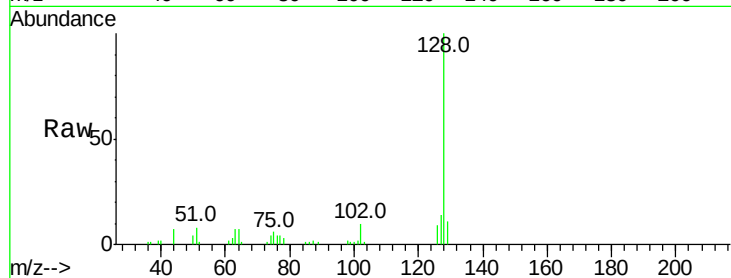
Tgt Ion:128 Resp: 26779

Ion Ratio Lower Upper

128 100

127 13.9 10.7 16.1

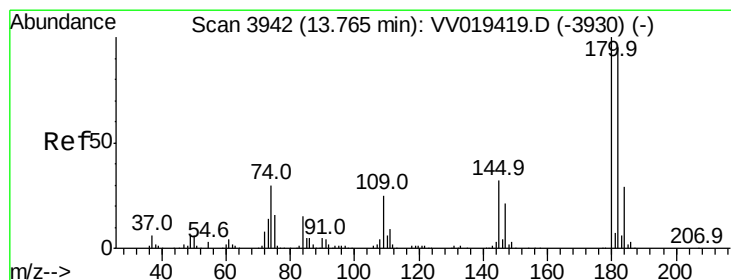
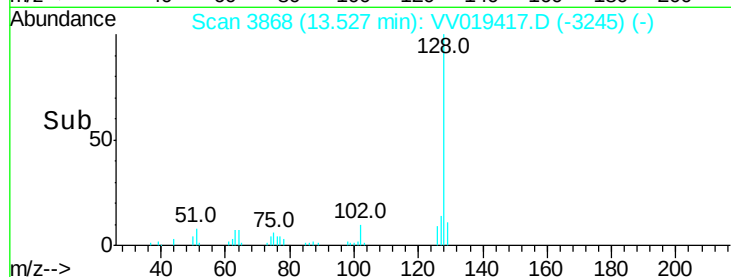
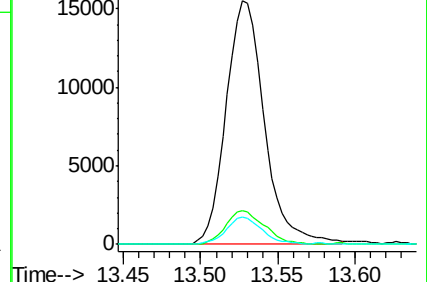
129 10.4 8.6 13.0



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: 4.053 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV019417.D

Acq: 23 Nov 2020 12:21

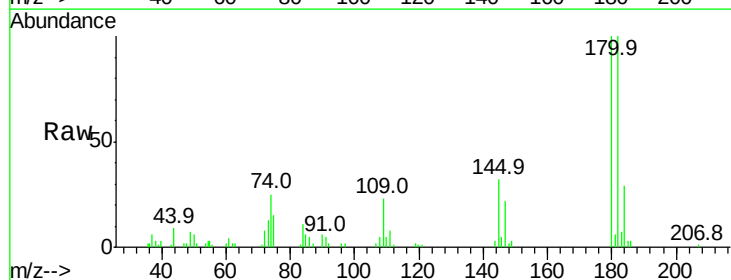
Tgt Ion:180 Resp: 15211

Ion Ratio Lower Upper

180 100

182 94.4 76.6 115.0

145 29.7 25.0 37.6



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

