

Data File : VV012281.D
Acq On : 19 Aug 2019 16:43
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00545

Quant Time: Aug 20 02:31:38 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR081919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Aug 19 19:08:11 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	126374	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	117113	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	62978	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	31298	4.84	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.80%
7) Chloroethane-d5	1.58	69	22666	4.80	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.00%
11) 1,1-Dichloroethene-d2	2.13	63	56328	4.59	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.80%
20) 2-Butanone-d5	3.96	46	85192	48.93	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.86%
24) Chloroform-d	4.40	84	84540	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.80%
26) 1,2-Dichloroethane-d4	5.08	65	44002	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.80%
32) Benzene-d6	5.09	84	150709	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.40%
36) 1,2-Dichloropropane-d6	6.12	67	40543	4.63	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.60%
41) Toluene-d8	7.36	98	139703	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.80%
43) trans-1,3-Dichloropropene-	7.66	79	18524	4.92	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.40%
46) 2-Hexanone-d5	8.14	63	60802	51.22	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.44%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	30910	4.64	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	60703	4.79	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	89585	5.936 ug/L	99
3) Chloromethane	1.25	50	49909	6.323 ug/L	100
5) Vinyl chloride	1.32	62	47037	5.662 ug/L	97
6) Bromomethane	1.54	94	25210	5.886 ug/L	93
8) Chloroethane	1.60	64	22287	5.383 ug/L	99
9) Trichlorofluoromethane	1.77	101	81663	5.462 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	35422	5.487 ug/L	98
12) 1,1-Dichloroethene	2.14	96	31275	5.392 ug/L	93
13) Acetone	2.23	43	47574	52.240 ug/L	88
14) Carbon disulfide	2.32	76	83066	5.159 ug/L	95
15) Methyl Acetate	2.47	43	9277	5.137 ug/L	98
16) Methylene chloride	2.53	84	29893	4.950 ug/L	96
17) Methyl tert-butyl Ether	2.80	73	107688	5.821 ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	46722	5.503 ug/L	99
19) 1,1-Dichloroethane	3.22	63	81745	5.614 ug/L	99
21) 2-Butanone	4.05	43	93102	53.881 ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	49793	5.450 ug/L	96

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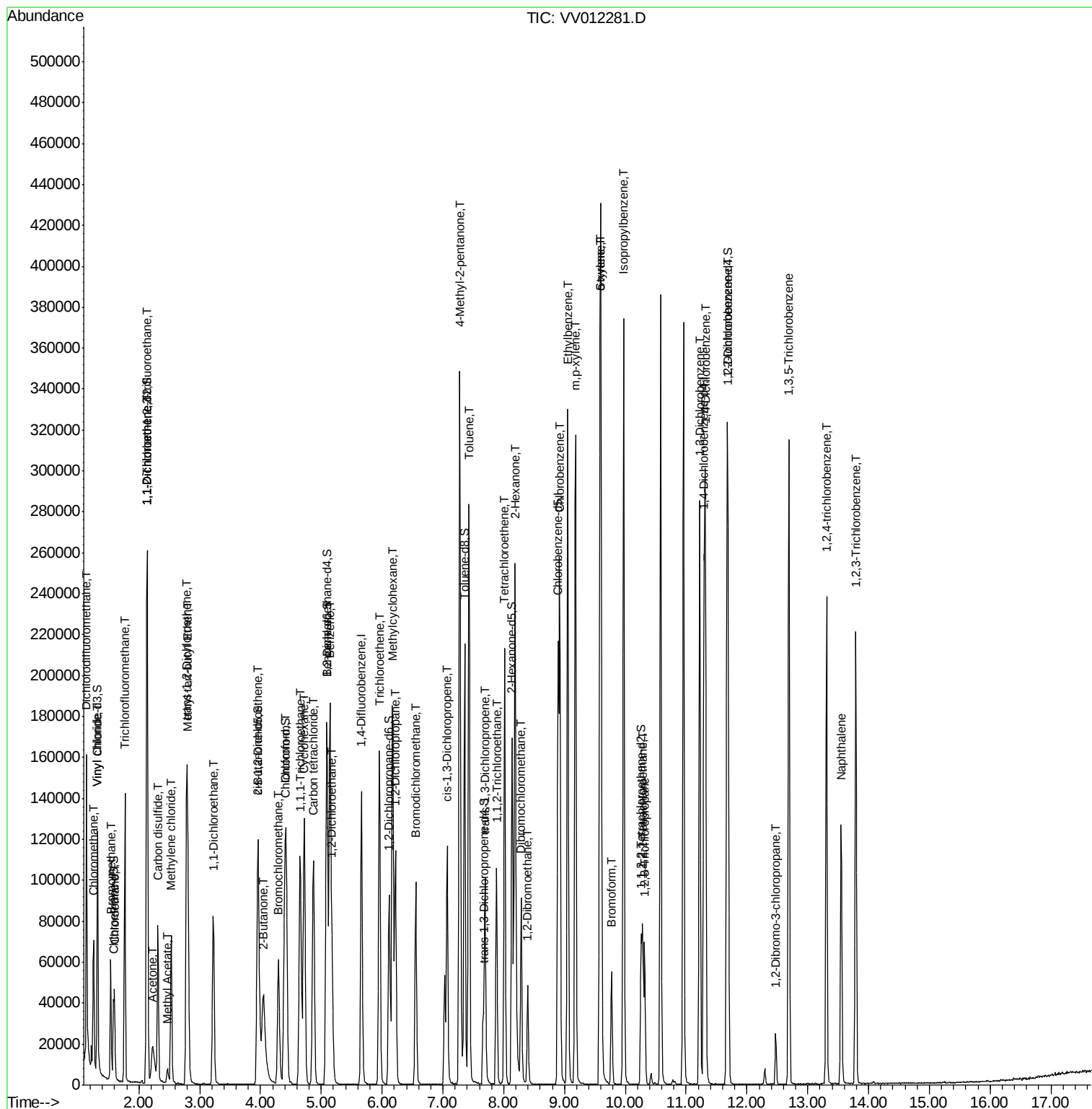
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	23152	5.549	ug/L	94
25) Chloroform	4.42	83	94535	5.189	ug/L	99
27) 1,2-Dichloroethane	5.18	62	57101	5.499	ug/L	98
29) 1,1,1-Trichloroethane	4.65	97	90647	5.786	ug/L	99
30) Cyclohexane	4.72	56	67616	5.765	ug/L	98
31) Carbon tetrachloride	4.87	117	83812	5.732	ug/L	100
33) Benzene	5.14	78	182919	5.647	ug/L	100
34) Trichloroethene	5.96	95	52435	5.519	ug/L	96
35) Methylcyclohexane	6.17	83	79881	5.616	ug/L	98
37) 1,2-Dichloropropane	6.22	63	39619	5.227	ug/L	98
38) Bromodichloromethane	6.55	83	64965	5.673	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	66146	5.497	ug/L	98
40) 4-Methyl-2-pentanone	7.28	43	225089	56.556	ug/L	98
42) Toluene	7.43	91	201927	5.632	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	53768	5.596	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	31886	5.483	ug/L	97
47) Tetrachloroethene	8.02	164	48613	5.545	ug/L	99
48) 2-Hexanone	8.19	43	164084	57.279	ug/L	99
49) Dibromochloromethane	8.29	129	44993	5.695	ug/L	98
50) 1,2-Dibromoethane	8.40	107	30749	5.597	ug/L	98
51) Chlorobenzene	8.92	112	136381	5.575	ug/L	99
52) Ethylbenzene	9.05	91	228232	5.689	ug/L	97
53) m,p-xylene	9.18	106	91171	5.821	ug/L	92
54) o-xylene	9.59	106	86955	5.773	ug/L	99
55) Styrene	9.60	104	145357	5.713	ug/L	98
56) Isopropylbenzene	9.97	105	241407	5.806	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	32048	5.394	ug/L #	98
59) 1,2,3-Trichloropropane	10.32	75	26203	5.577	ug/L	98
61) Bromoform	9.77	173	26398	6.068	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	121288	5.690	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	118202	5.575	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	108734	5.559	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	6055	5.925	ug/L	93
67) 1,3,5-Trichlorobenzene	12.69	180	100120	5.726	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	76561	5.922	ug/L	100
69) Naphthalene	13.55	128	105885	6.021	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	71039	5.939	ug/L	98

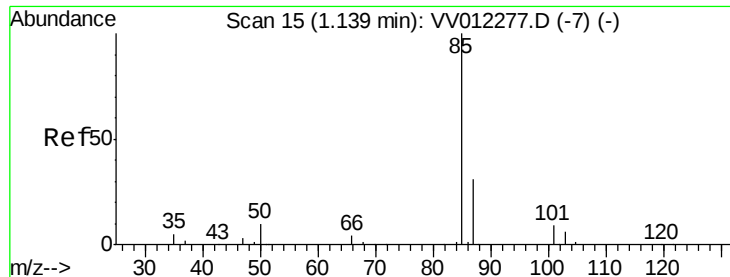
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.936 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV012281.D

Acq: 19 Aug 2019 16:43

Instrument :

MSVOA_V

ClientSampleId :

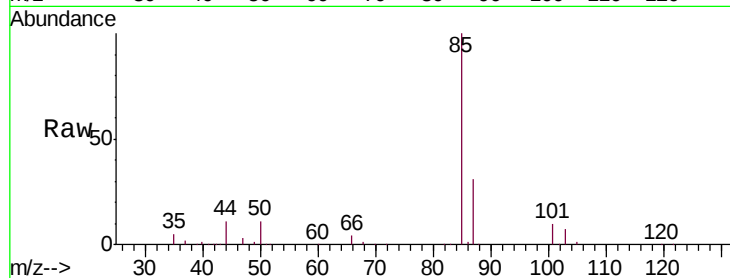
VSTD00545

Tgt Ion: 85 Resp: 89585

Ion Ratio Lower Upper

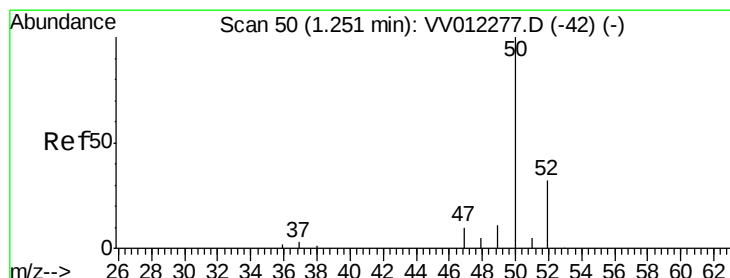
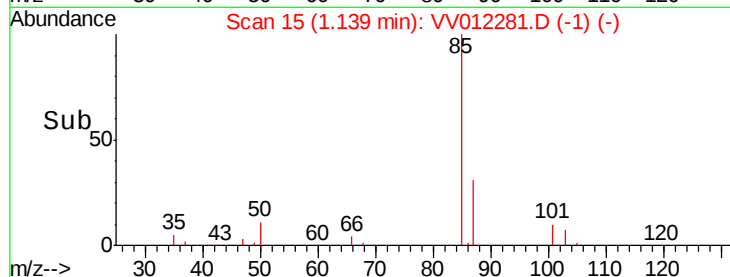
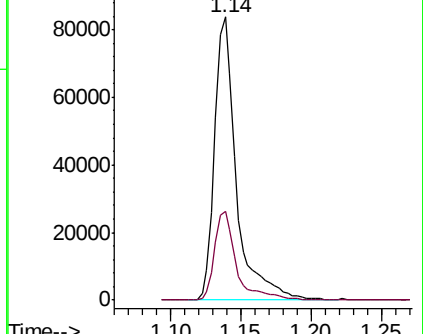
85 100

87 31.5 24.6 37.0



Abundance Ion 85.00 (84.70 to 85.70): VV012277.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV012277.D (-7) (-)



#3

Chloromethane

Concen: 6.323 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV012281.D

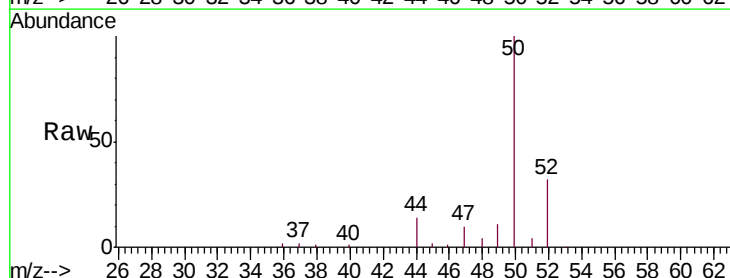
Acq: 19 Aug 2019 16:43

Tgt Ion: 50 Resp: 49909

Ion Ratio Lower Upper

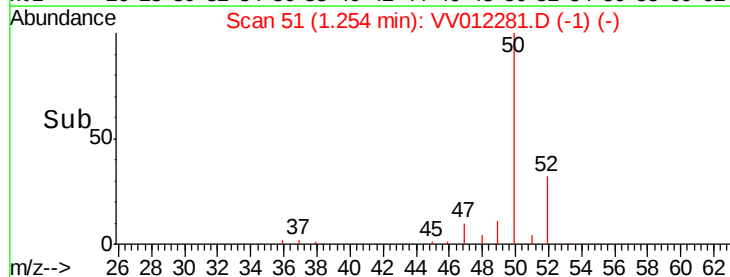
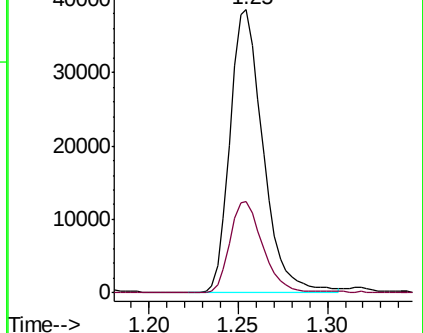
50 100

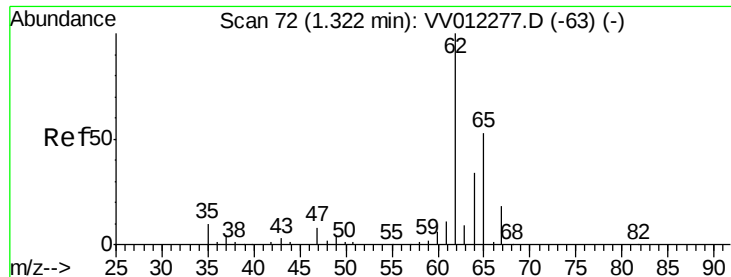
52 32.1 22.6 42.0



Abundance Ion 50.05 (49.75 to 50.75): VV012277.D (-42) (-)

Ion 52.05 (51.75 to 52.75): VV012277.D (-42) (-)





#5

Vinyl chloride

Concen: 5.662 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV012281.D

Acq: 19 Aug 2019 16:43

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ClientSampleId :

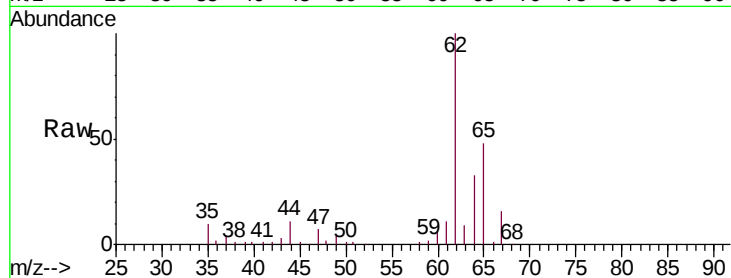
VSTD00545

Tgt Ion: 62 Resp: 47037

Ion Ratio Lower Upper

62 100

64 32.5 23.8 44.2



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

40000

30000

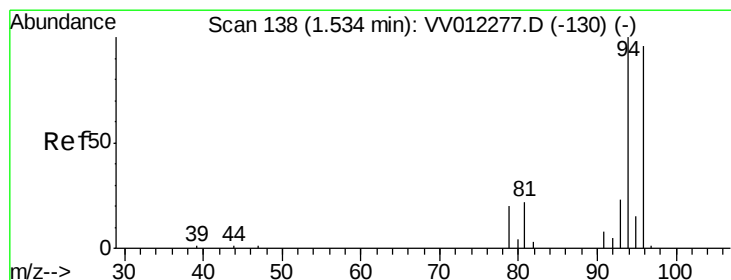
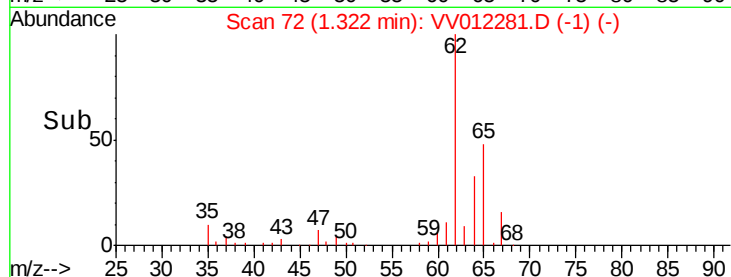
20000

10000

0

Time-->

1.25 1.30 1.35 1.40



#6

Bromomethane

Concen: 5.886 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV012281.D

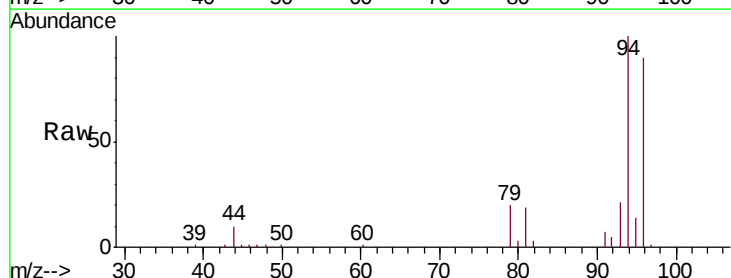
Acq: 19 Aug 2019 16:43

Tgt Ion: 94 Resp: 25210

Ion Ratio Lower Upper

94 100

96 89.7 67.3 125.1



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.54

20000

15000

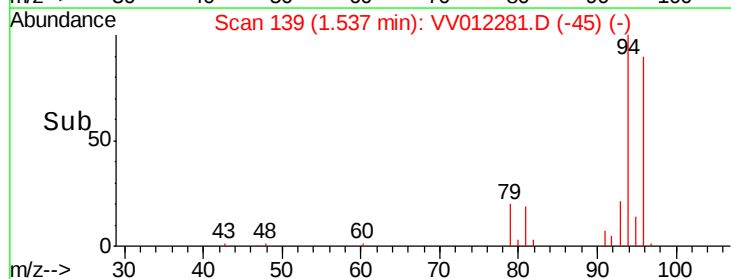
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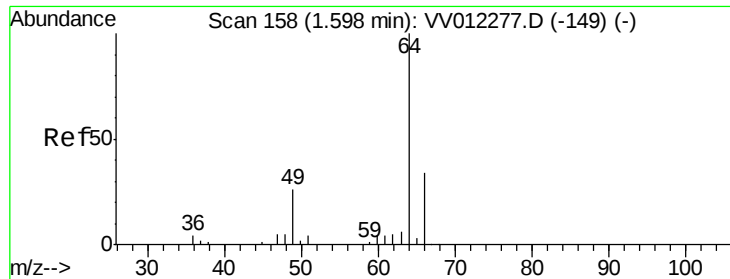
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Time-->

1.50 1.55 1.60

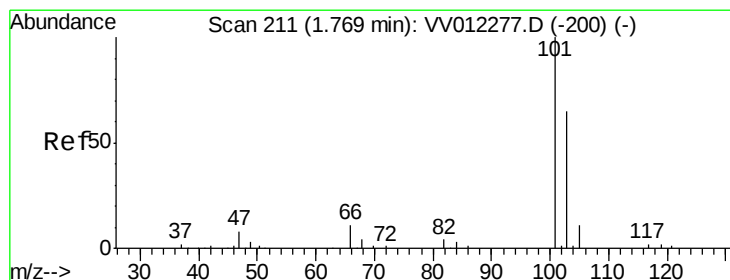
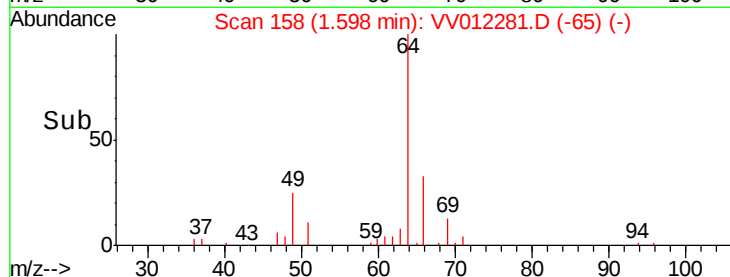
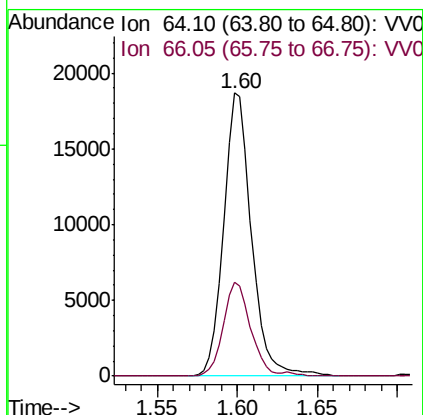
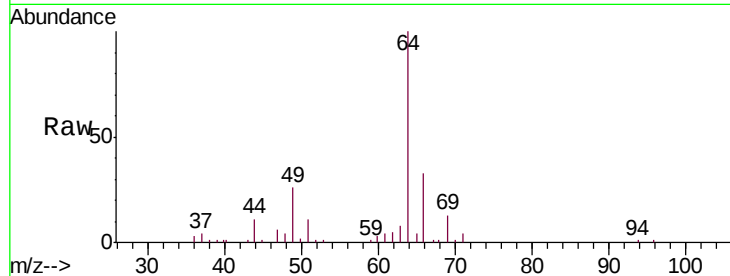




#8
Chloroethane
Concen: 5.383 ug/L
RT: 1.60 min Scan# 158
Delta R.T. 0.00 min
Lab File: VV012281.D
Acq: 19 Aug 2019 16:43

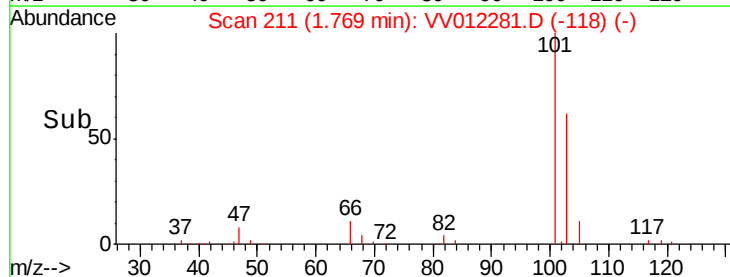
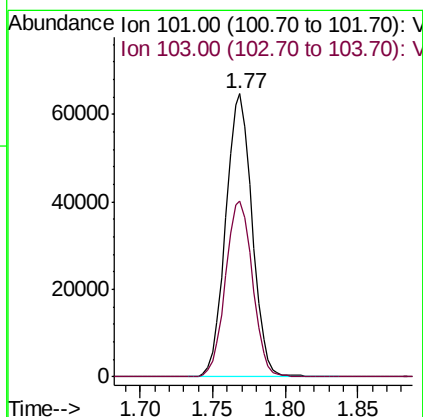
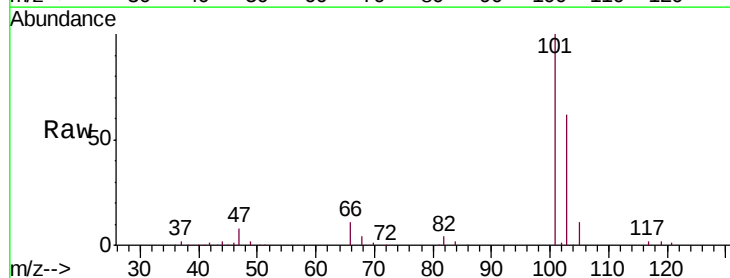
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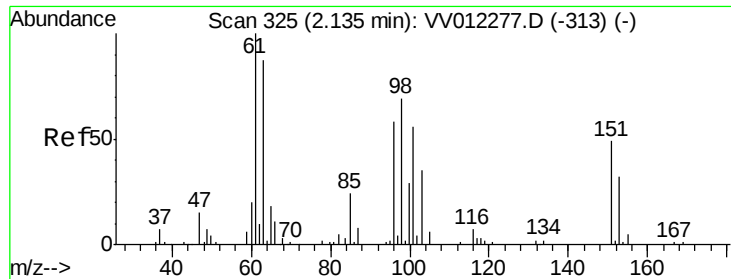
Tgt Ion: 64 Resp: 22287
Ion Ratio Lower Upper
64 100
66 33.2 23.7 44.1



#9
Trichlorofluoromethane
Concen: 5.462 ug/L
RT: 1.77 min Scan# 211
Delta R.T. 0.00 min
Lab File: VV012281.D
Acq: 19 Aug 2019 16:43

Tgt Ion: 101 Resp: 81663
Ion Ratio Lower Upper
101 100
103 63.8 51.5 77.3





#10

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

Concen: 5.487 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV012281.D

Acq: 19 Aug 2019 16:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD00545

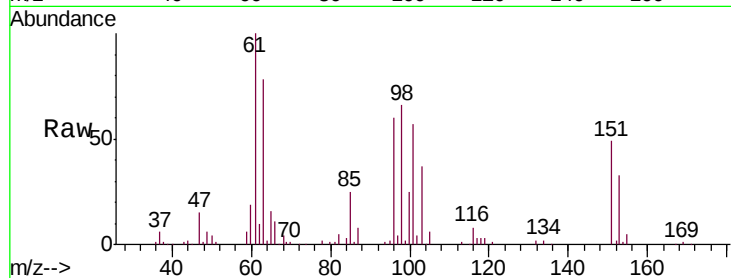
Tgt Ion: 101 Resp: 35422

Ion Ratio Lower Upper

101 100

85 45.0 34.9 52.3

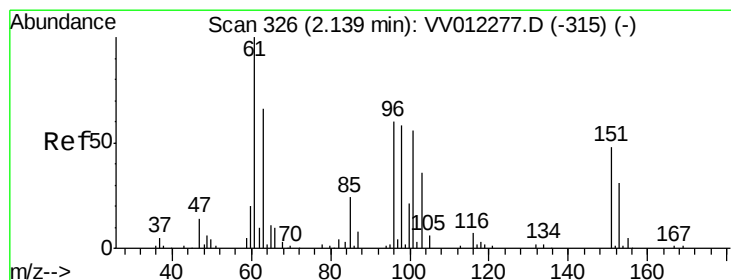
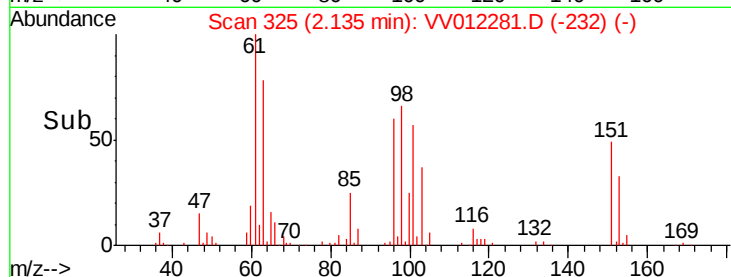
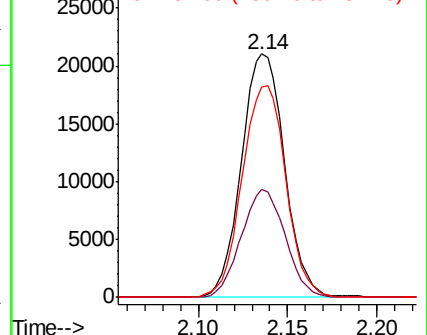
151 88.0 71.5 107.3



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: 5.392 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012281.D

Acq: 19 Aug 2019 16:43

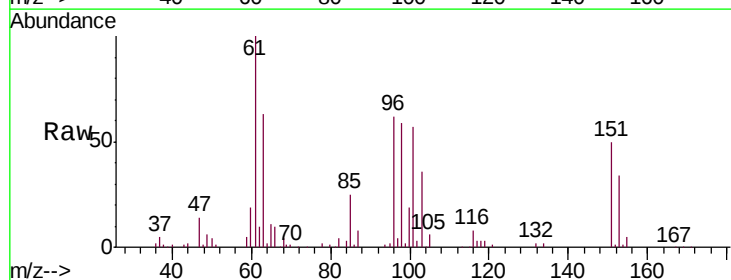
Tgt Ion: 96 Resp: 31275

Ion Ratio Lower Upper

96 100

61 162.5 117.7 218.7

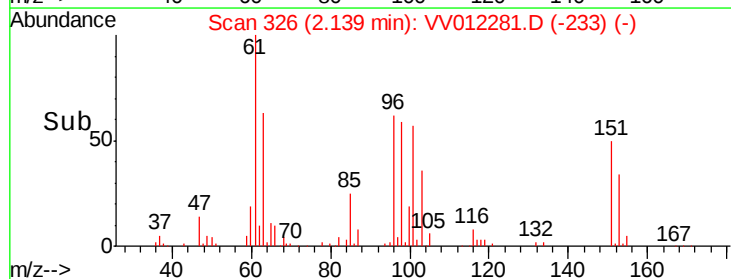
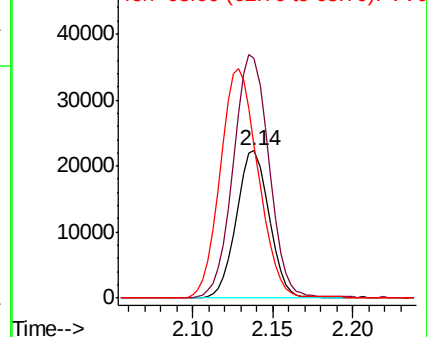
63 103.2 81.1 150.5

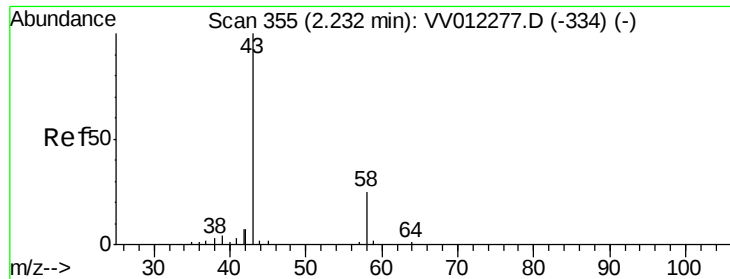


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 52.240 ug/L

RT: 2.23 min Scan# 353

Delta R.T. -0.01 min

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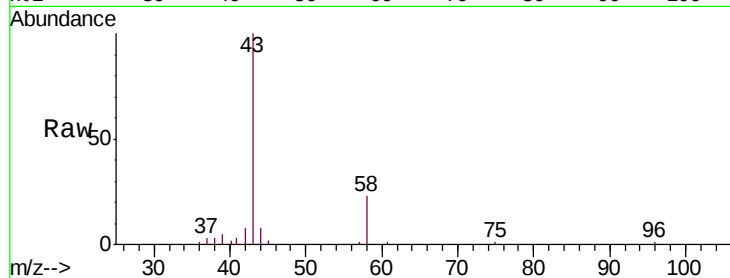
VSTD00545

Tgt Ion: 43 Resp: 47574

Ion Ratio Lower Upper

43 100

58 7.9 0.0 25.6



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

2.23

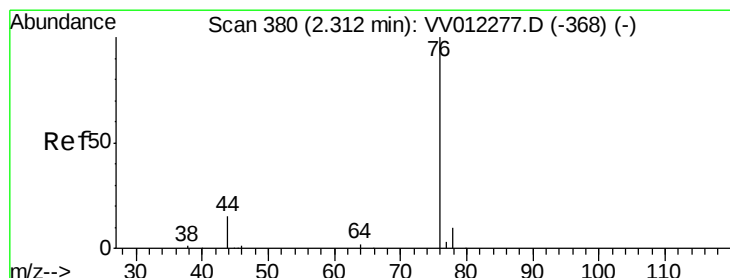
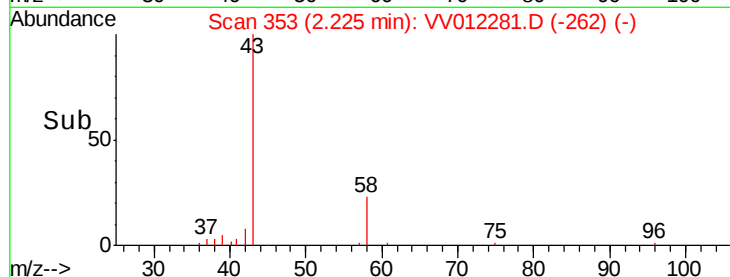
10000

5000

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Time-->

2.10 2.20 2.30 2.40



#14

Carbon disulfide

Concen: 5.159 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV012281.D

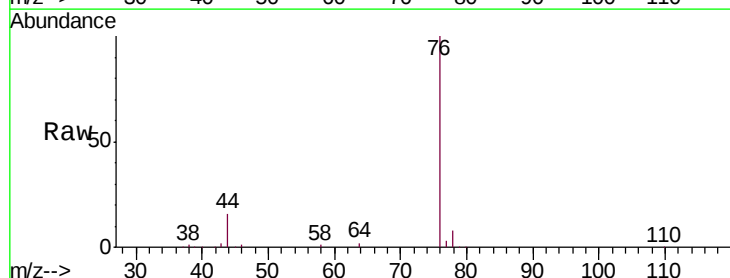
Acq: 19 Aug 2019 16:43

Tgt Ion: 76 Resp: 83066

Ion Ratio Lower Upper

76 100

78 8.5 8.3 12.5



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

2.32

60000

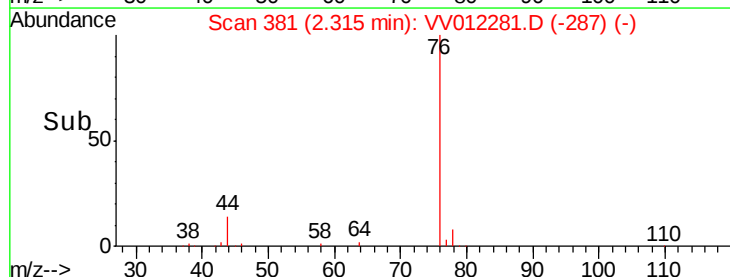
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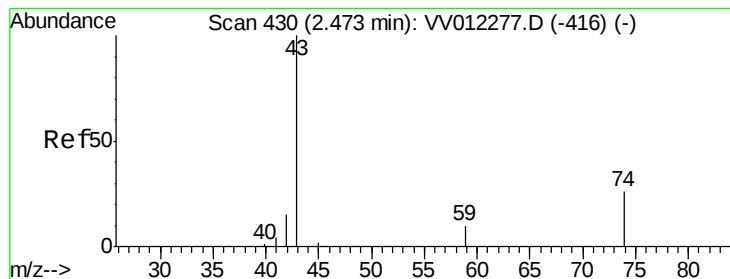
20000

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Time-->

2.25 2.30 2.35





#15

Methyl Acetate

Concen: 5.137 ug/L

RT: 2.47 min Scan# 429

Delta R.T. -0.00 min

Lab File: VV012281.D

Acq: 19 Aug 2019 16:43

Instrument :

MSVOA_V

ClientSampleId :

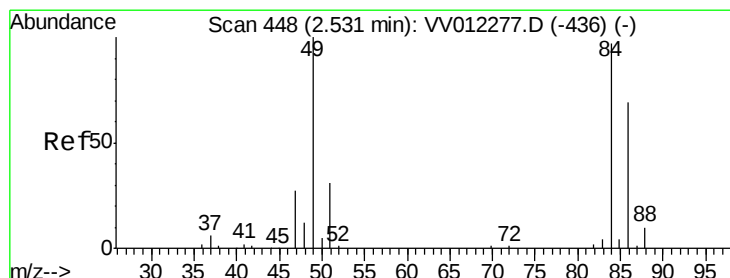
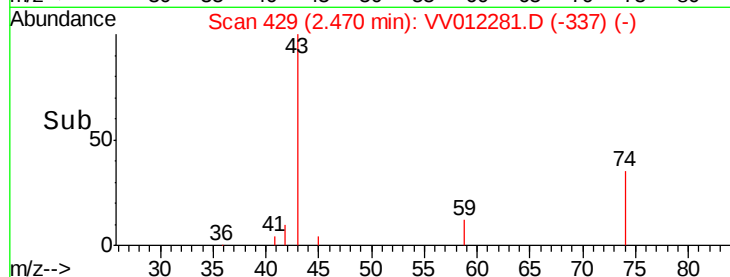
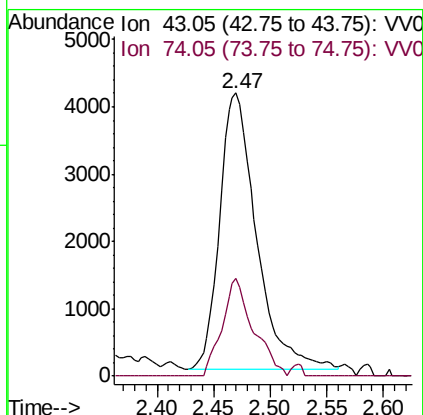
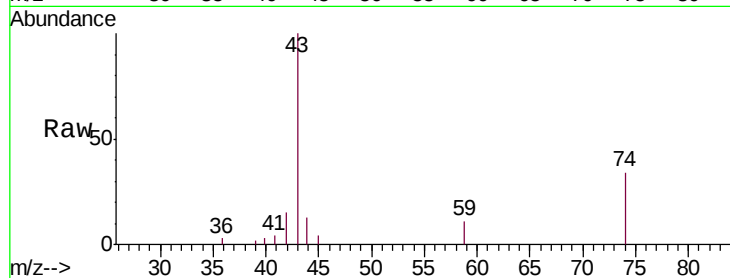
VSTD00545

Tgt Ion: 43 Resp: 9277

Ion Ratio Lower Upper

43 100

74 29.9 24.9 37.3



#16

Methylene chloride

Concen: 4.950 ug/L

RT: 2.53 min Scan# 448

Delta R.T. 0.00 min

Lab File: VV012281.D

Acq: 19 Aug 2019 16:43

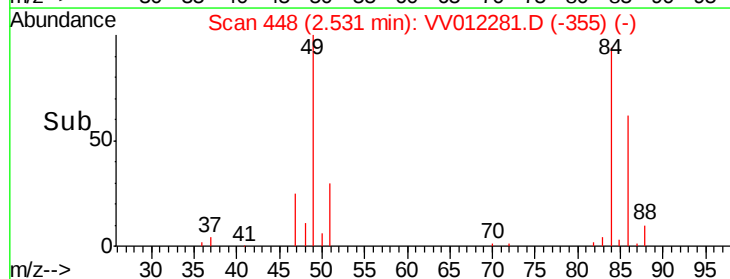
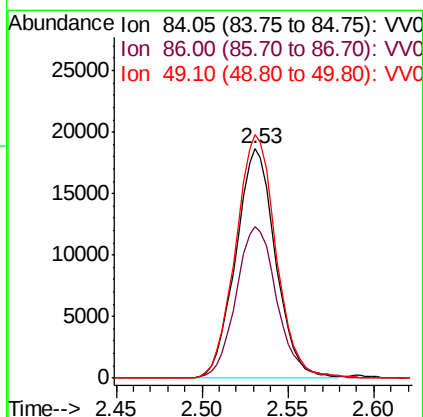
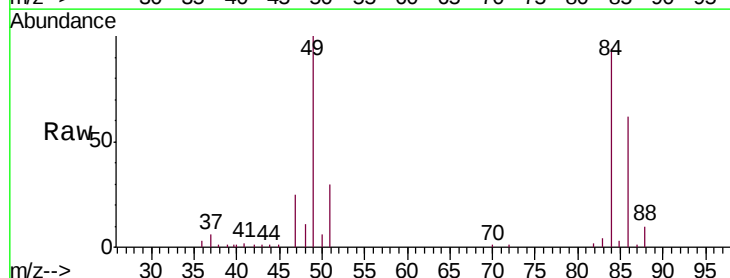
Tgt Ion: 84 Resp: 29893

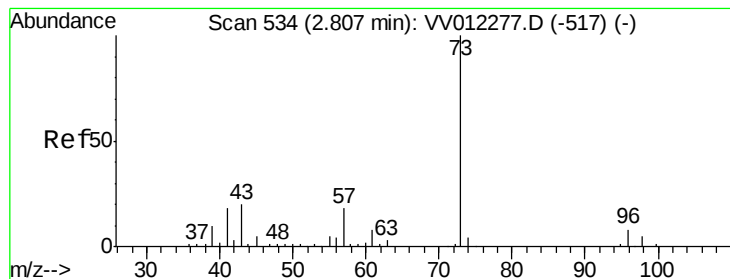
Ion Ratio Lower Upper

84 100

86 65.9 49.5 91.9

49 106.2 72.1 133.9





#17

Methyl tert-butyl Ether

Concen: 5.821 ug/L

RT: 2.80 min Scan# 533

Delta R.T. -0.00 min

Lab File: VV012281.D

Acq: 19 Aug 2019 16:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD00545

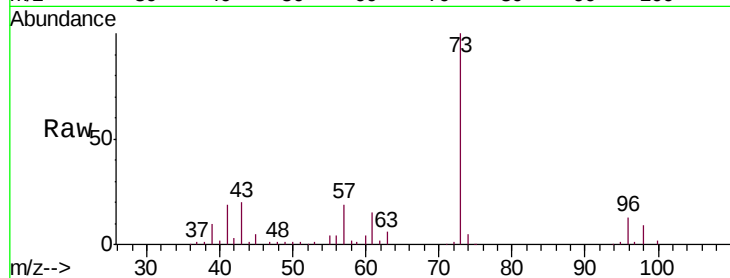
Tgt Ion: 73 Resp: 107688

Ion Ratio Lower Upper

73 100

43 20.5 17.0 25.4

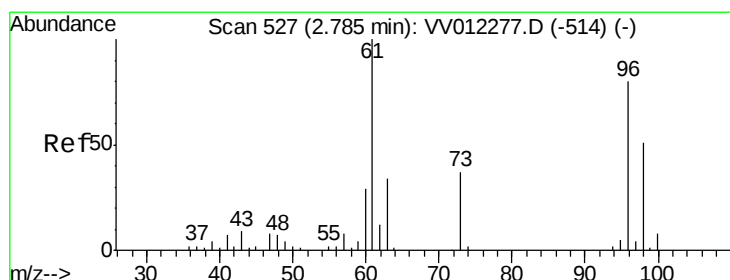
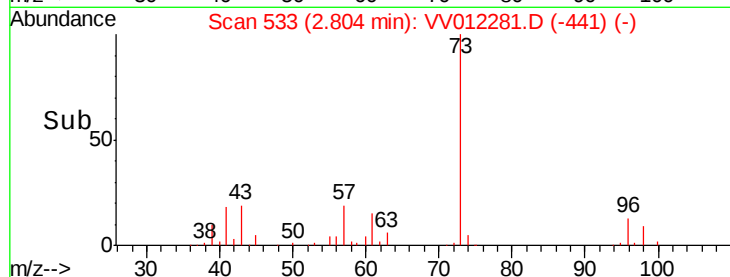
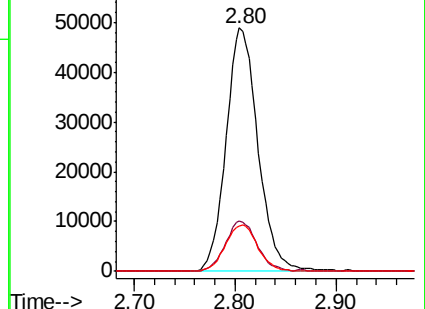
57 19.4 15.8 23.6



Abundance Ion 73.10 (72.80 to 73.80): VV012277.D (-517) (-)

Ion 43.05 (42.75 to 43.75): VV012277.D (-517) (-)

Ion 57.10 (56.80 to 57.80): VV012277.D (-517) (-)



#18

trans-1,2-Dichloroethene

Concen: 5.503 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV012281.D

Acq: 19 Aug 2019 16:43

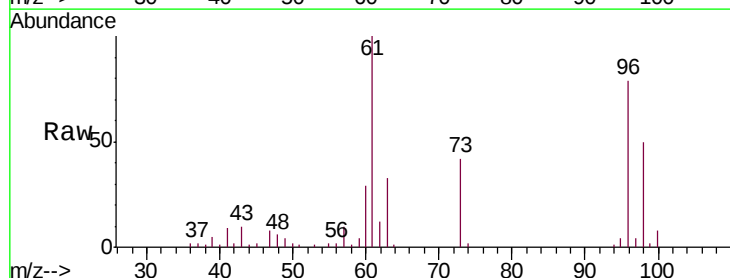
Tgt Ion: 96 Resp: 46722

Ion Ratio Lower Upper

96 100

61 126.5 87.4 162.2

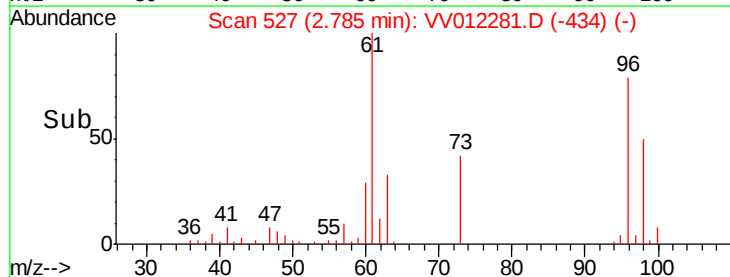
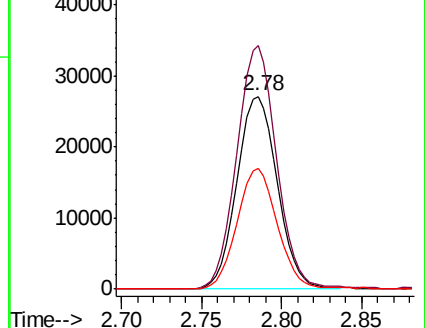
98 62.9 44.7 82.9

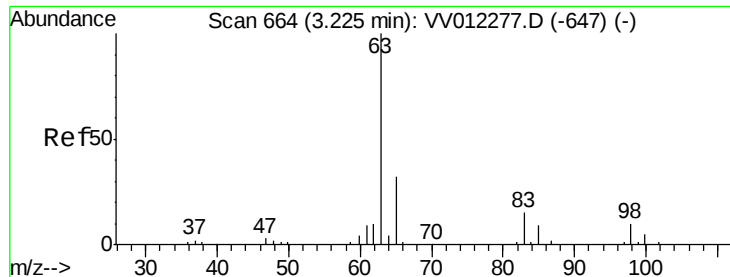


Abundance Ion 96.00 (95.70 to 96.70): VV012277.D (-514) (-)

Ion 61.05 (60.75 to 61.75): VV012277.D (-514) (-)

Ion 97.95 (97.65 to 98.65): VV012277.D (-514) (-)

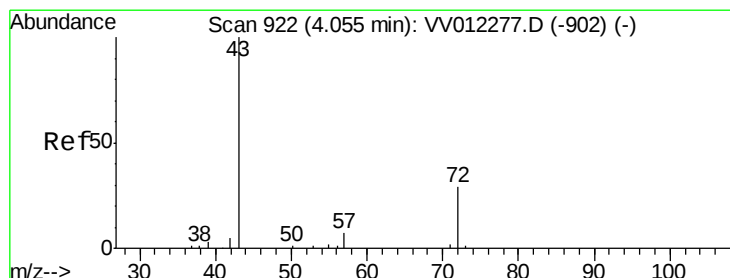
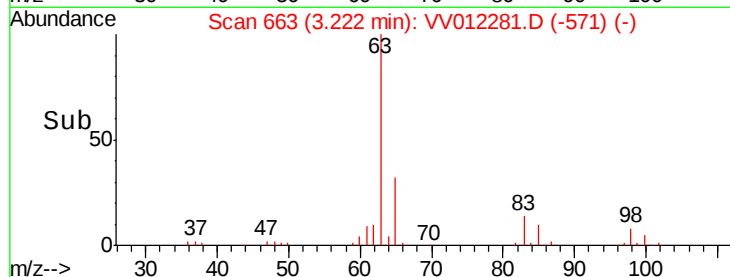
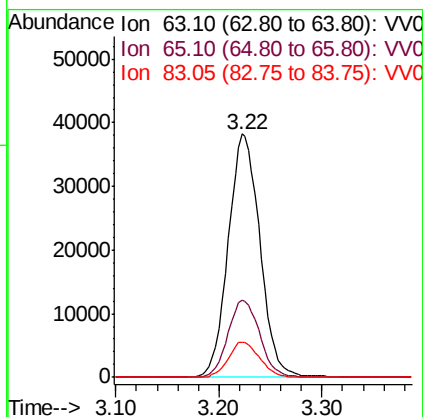
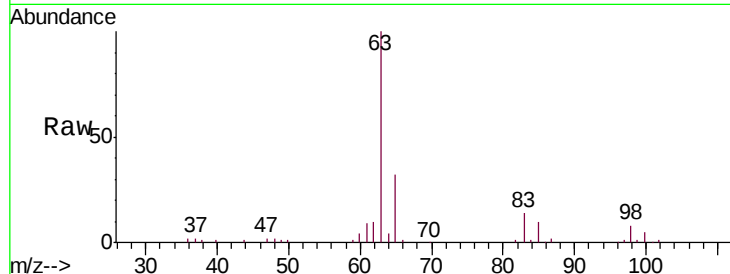




#19
 1,1-Dichloroethane
 Concen: 5.614 ug/L
 RT: 3.22 min Scan# 663
 Delta R.T. -0.00 min
 Lab File: VV012281.D
 Acq: 19 Aug 2019 16:43

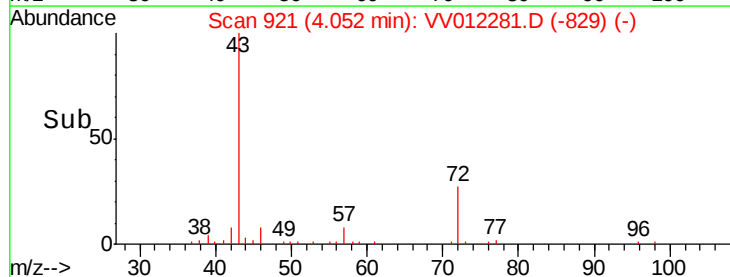
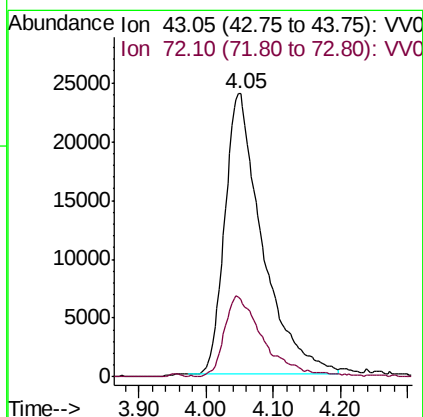
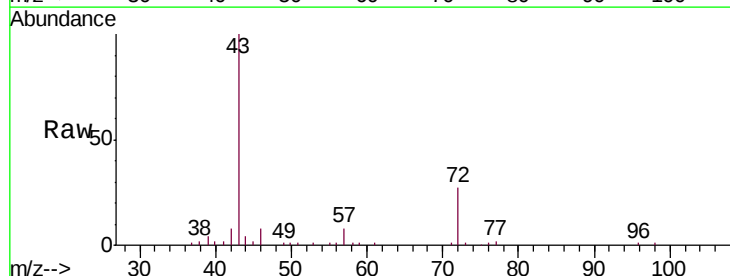
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00545

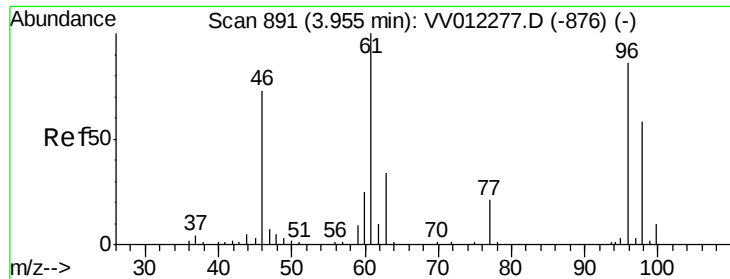
Tgt Ion: 63 Resp: 81745
 Ion Ratio Lower Upper
 63 100
 65 31.8 22.7 42.1
 83 14.3 10.5 19.5



#21
 2-Butanone
 Concen: 53.881 ug/L
 RT: 4.05 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: VV012281.D
 Acq: 19 Aug 2019 16:43

Tgt Ion: 43 Resp: 93102
 Ion Ratio Lower Upper
 43 100
 72 28.8 14.8 44.4



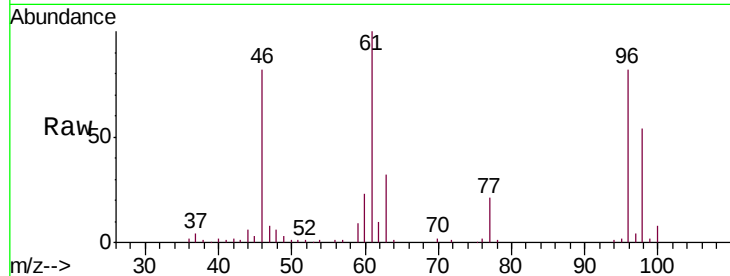


#22

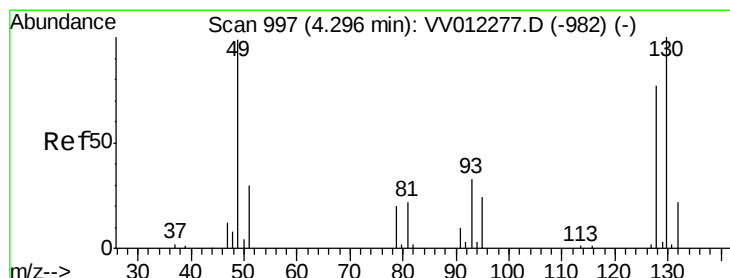
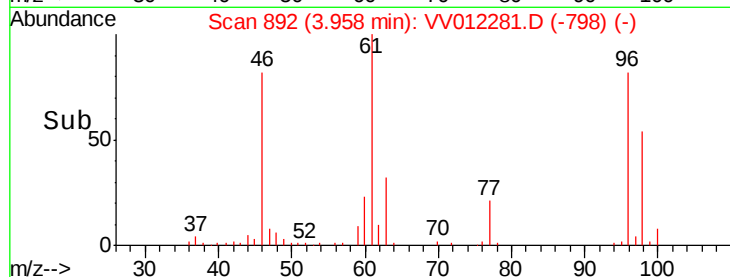
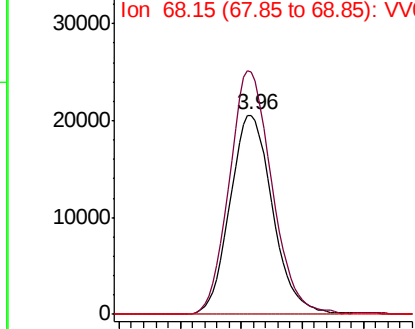
cis-1,2-Dichloroethene
Concen: 5.450 ug/L
RT: 3.96 min Scan# 892
Delta R.T. 0.00 min
Lab File: VV012281.D
Acq: 19 Aug 2019 16:43

Instrument :
MSVOA_V
ClientSampleId :
VSTD00545

Tgt Ion: 96 Resp: 49793
Ion Ratio Lower Upper
96 100
61 121.4 81.6 151.6
68 0.0 0.0 0.0



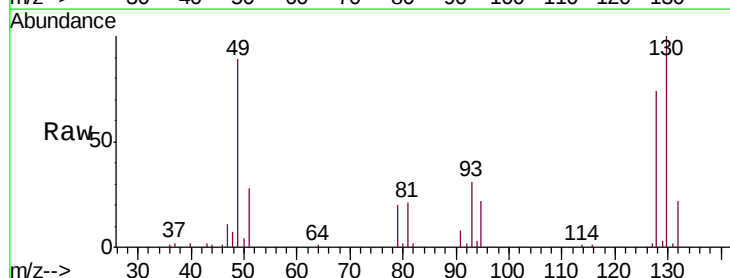
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



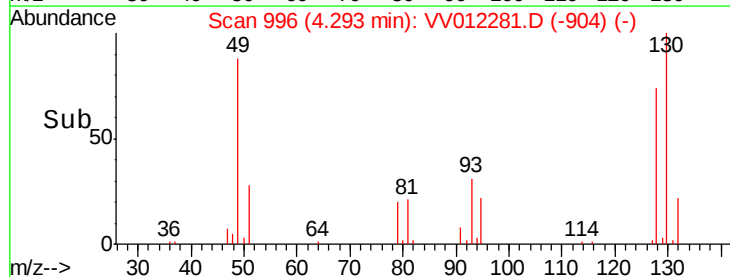
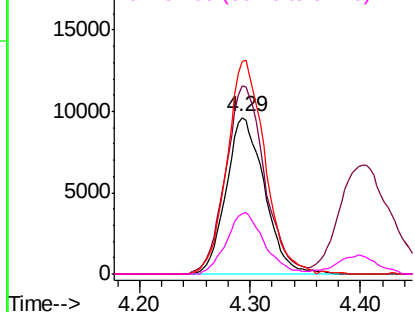
#23

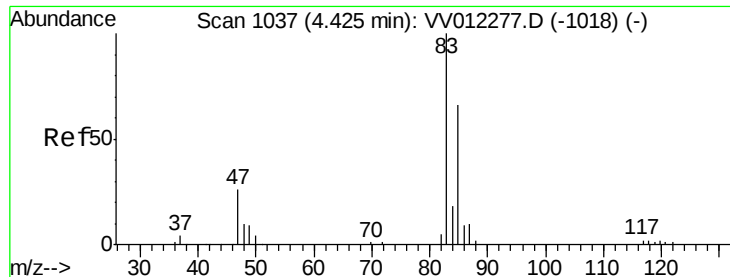
Bromochloromethane
Concen: 5.549 ug/L
RT: 4.29 min Scan# 996
Delta R.T. -0.00 min
Lab File: VV012281.D
Acq: 19 Aug 2019 16:43

Tgt Ion: 128 Resp: 23152
Ion Ratio Lower Upper
128 100
49 119.7 90.2 167.6
130 135.3 91.2 169.4
51 38.2 31.7 47.5



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VV0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VV0

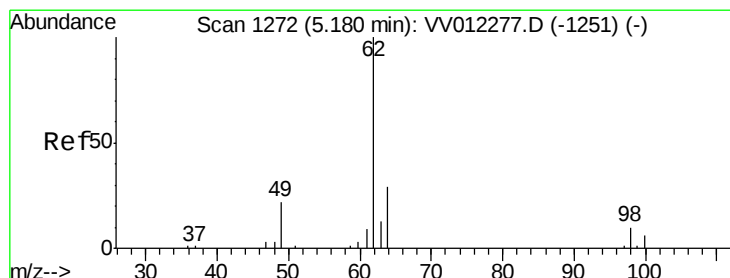
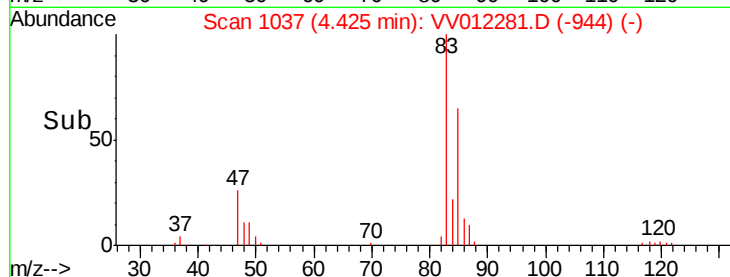
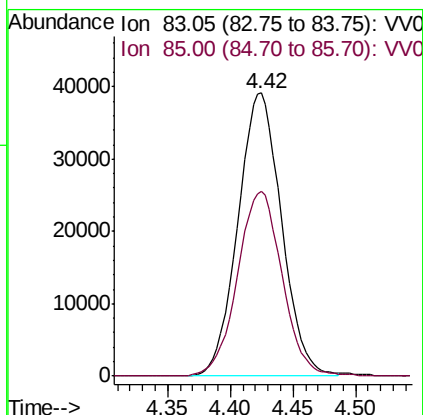
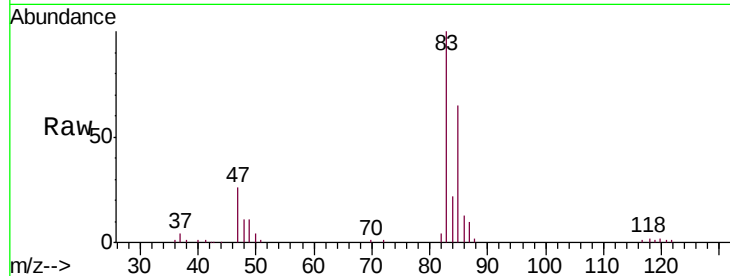




#25
 Chloroform
 Concen: 5.189 ug/L
 RT: 4.42 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: VV012281.D
 Acq: 19 Aug 2019 16:43

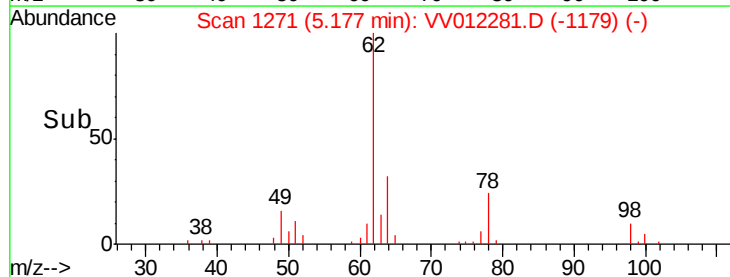
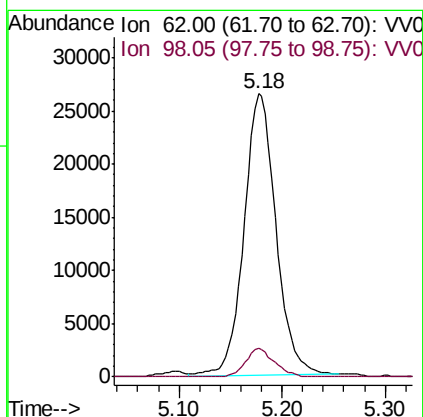
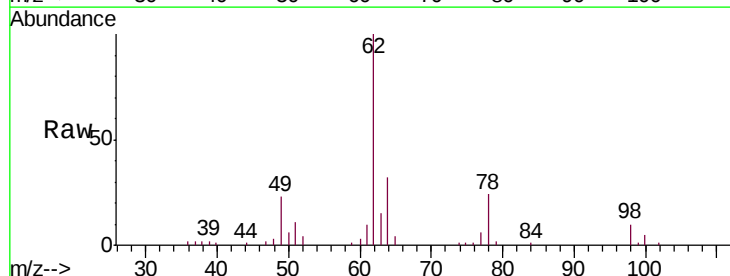
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00545

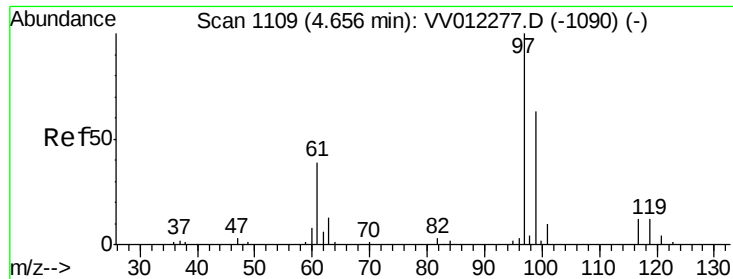
Tgt Ion: 83 Resp: 94535
 Ion Ratio Lower Upper
 83 100
 85 65.3 46.1 85.5



#27
 1,2-Dichloroethane
 Concen: 5.499 ug/L
 RT: 5.18 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VV012281.D
 Acq: 19 Aug 2019 16:43

Tgt Ion: 62 Resp: 57101
 Ion Ratio Lower Upper
 62 100
 98 10.2 7.6 11.4

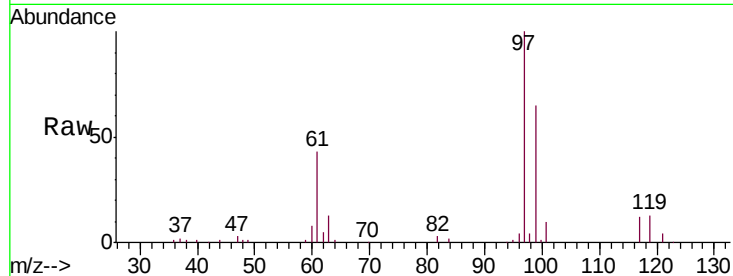




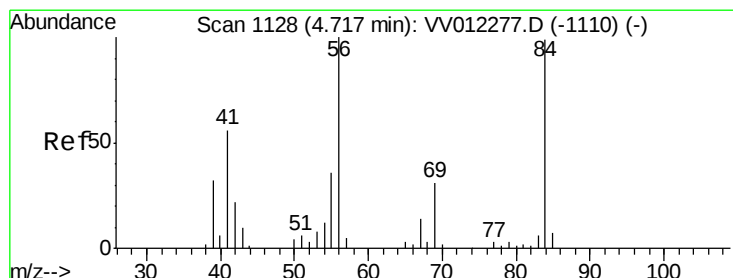
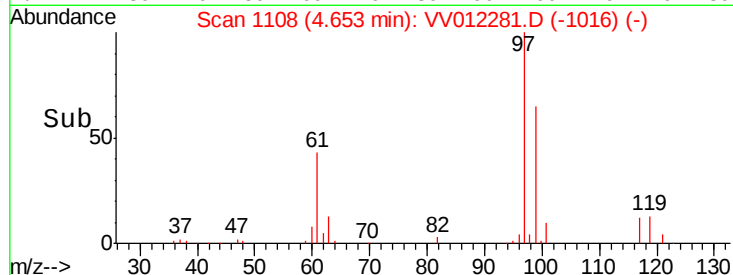
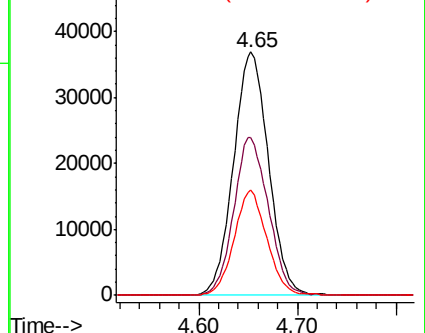
#29
 1,1,1-Trichloroethane
 Concen: 5.786 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. -0.00 min
 Lab File: VV012281.D
 Acq: 19 Aug 2019 16:43

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00545

Tgt Ion: 97 Resp: 90647
 Ion Ratio Lower Upper
 97 100
 99 64.0 51.7 77.5
 61 40.6 31.7 47.5

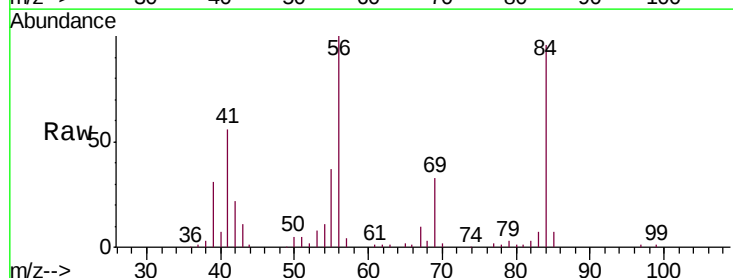


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

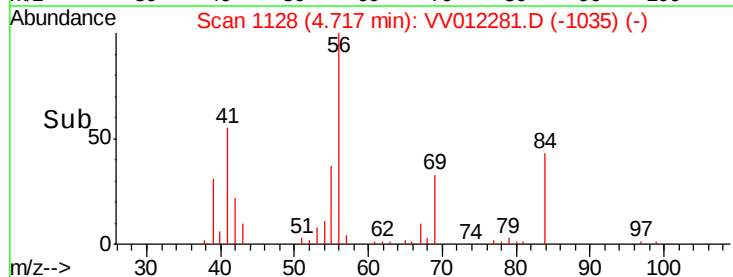
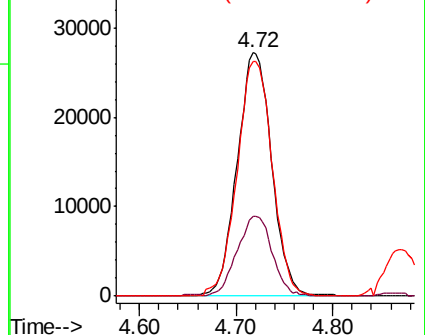


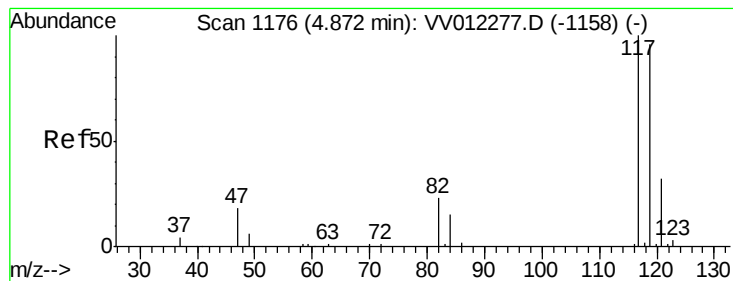
#30
 Cyclohexane
 Concen: 5.765 ug/L
 RT: 4.72 min Scan# 1128
 Delta R.T. 0.00 min
 Lab File: VV012281.D
 Acq: 19 Aug 2019 16:43

Tgt Ion: 56 Resp: 67616
 Ion Ratio Lower Upper
 56 100
 69 33.1 25.3 37.9
 84 97.9 79.9 119.9



Abundance Ion 56.10 (55.80 to 56.80): VV0
 Ion 69.15 (68.85 to 69.85): VV0
 Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 5.732 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VV012281.D

Acq: 19 Aug 2019 16:43

Instrument :

MSVOA_V

ClientSampleId :

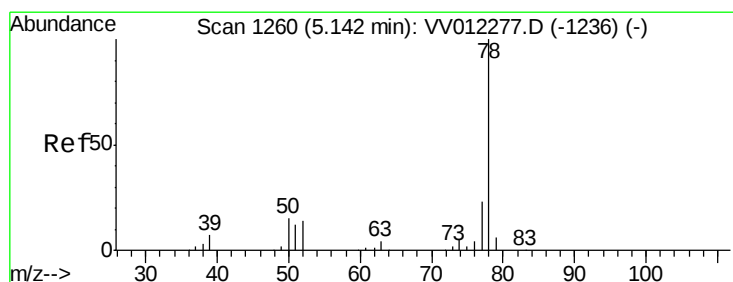
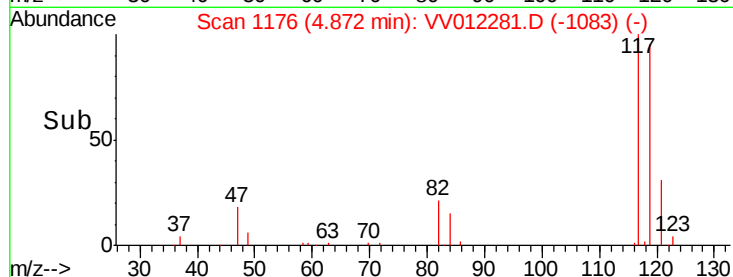
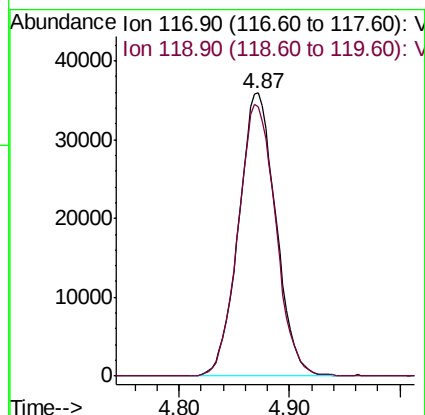
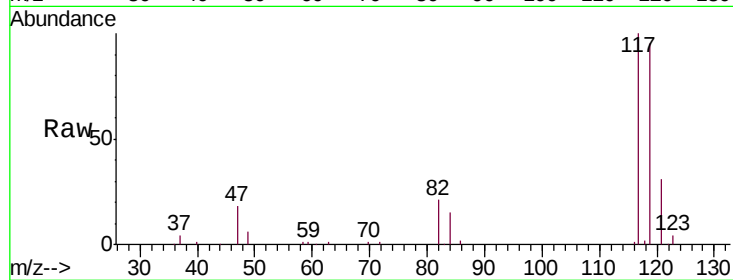
VSTD00545

Tgt Ion:117 Resp: 83812

Ion Ratio Lower Upper

117 100

119 97.0 77.6 116.4



#33

Benzene

Concen: 5.647 ug/L

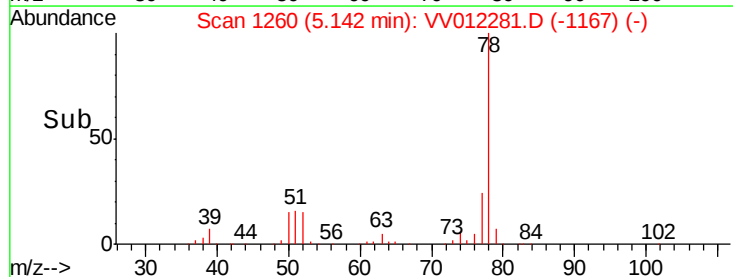
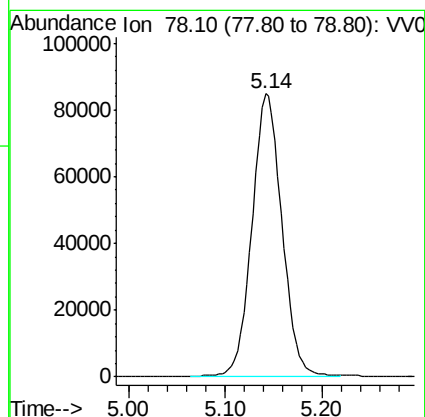
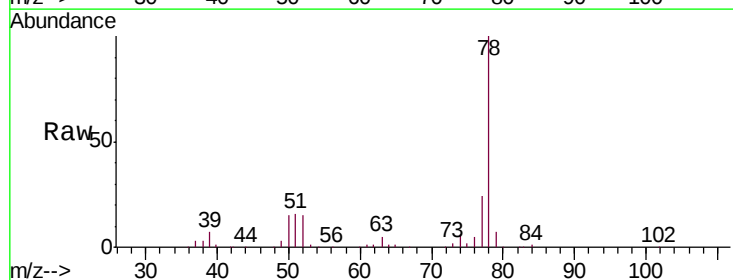
RT: 5.14 min Scan# 1260

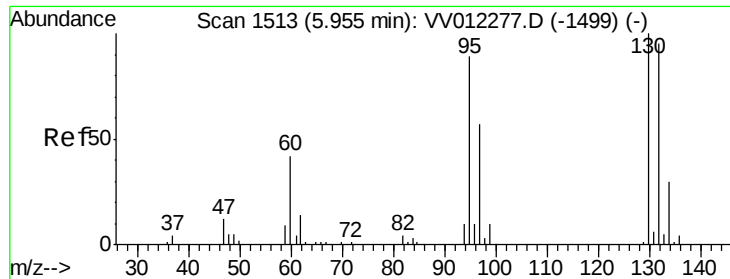
Delta R.T. 0.00 min

Lab File: VV012281.D

Acq: 19 Aug 2019 16:43

Tgt Ion: 78 Resp: 182919





#34

Trichloroethene

Concen: 5.519 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV012281.D

Acq: 19 Aug 2019 16:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD00545

Tgt Ion: 95 Resp: 52435

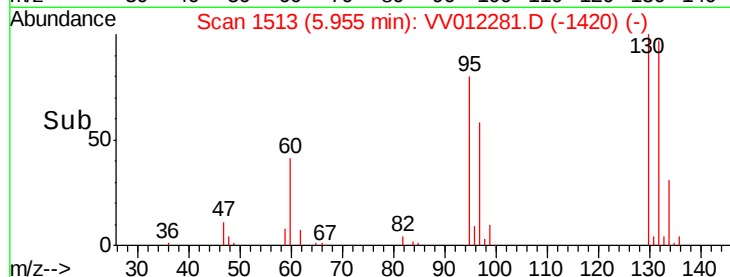
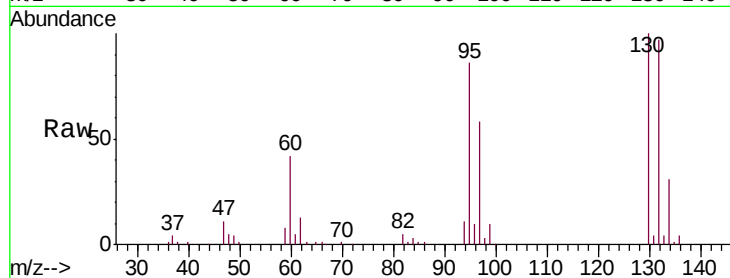
Ion Ratio Lower Upper

95 100

97 66.7 44.9 83.5

132 112.4 74.9 139.1

130 115.7 79.0 146.8

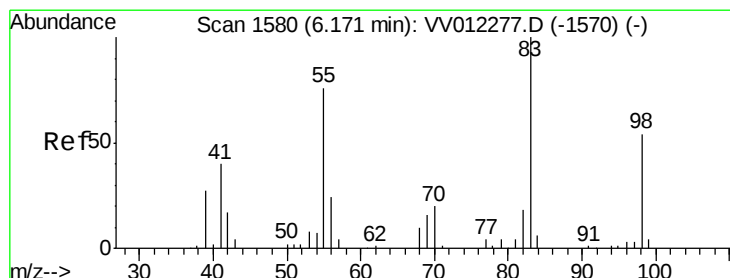
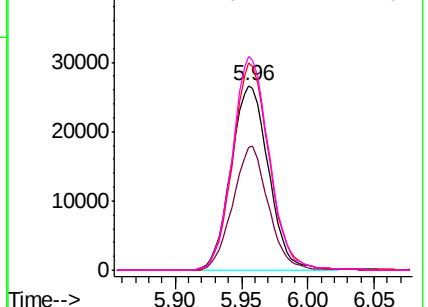


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 5.616 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV012281.D

Acq: 19 Aug 2019 16:43

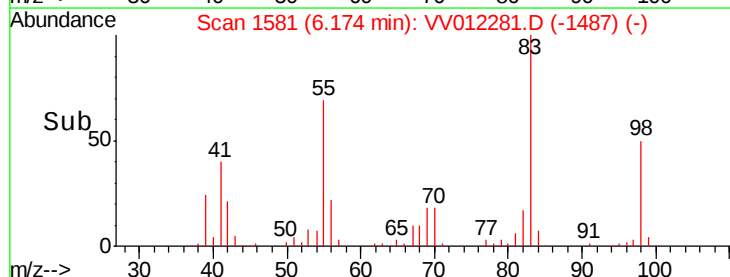
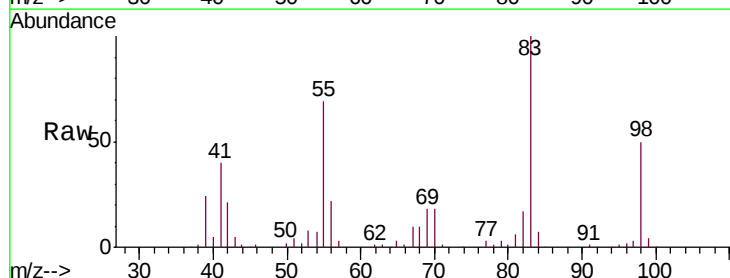
Tgt Ion: 83 Resp: 79881

Ion Ratio Lower Upper

83 100

55 69.1 57.3 85.9

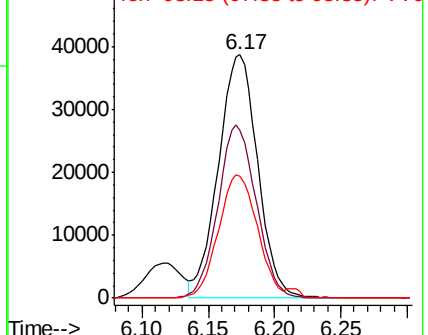
98 49.9 40.3 60.5

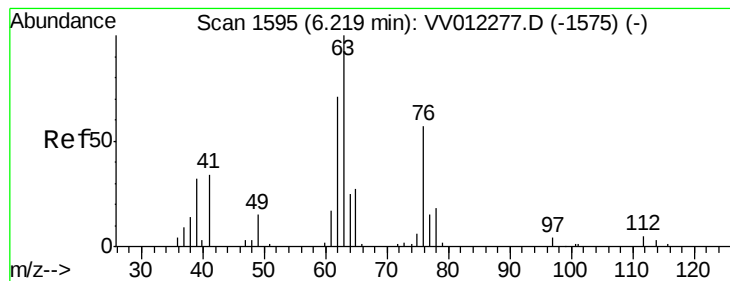


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 5.227 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. 0.00 min

Lab File: VV012281.D

Acq: 19 Aug 2019 16:43

Instrument :

MSVOA_V

ClientSampleId :

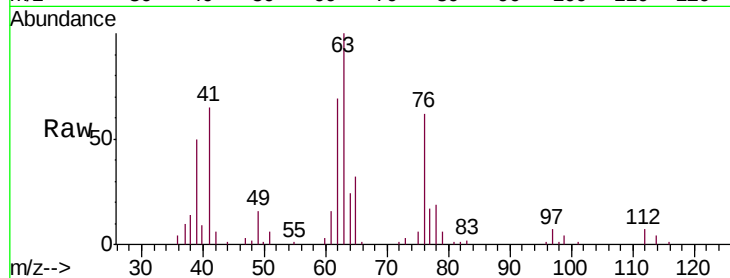
VSTD00545

Tgt Ion: 63 Resp: 39619

Ion Ratio Lower Upper

63 100

112 5.7 5.1 7.7



Abundance Ion 63.10 (62.80 to 63.80): VV012281.D (-1502) (-)

Ion 112.10 (111.80 to 112.80): VV012281.D (-1502) (-)

6.22

20000

15000

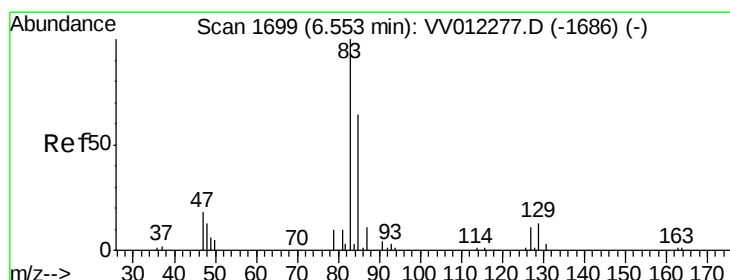
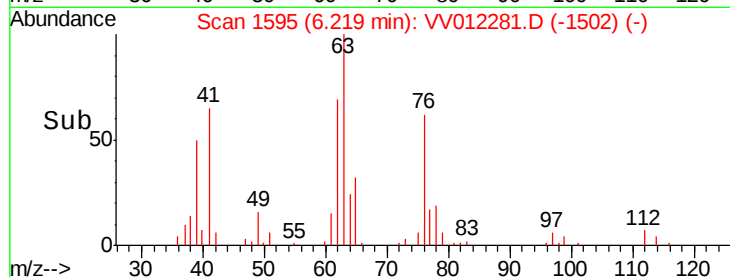
10000

5000

0

6.15 6.20 6.25 6.30

Time-->



#38

Bromodichloromethane

Concen: 5.673 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VV012281.D

Acq: 19 Aug 2019 16:43

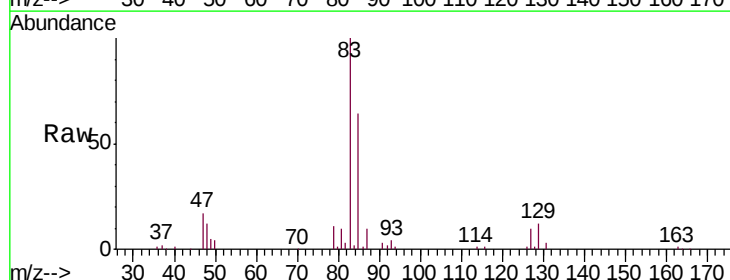
Tgt Ion: 83 Resp: 64965

Ion Ratio Lower Upper

83 100

85 64.3 44.5 82.7

127 9.6 8.9 13.3



Abundance Ion 82.95 (82.65 to 83.65): VV012281.D (-1606) (-)

Ion 85.00 (84.70 to 85.70): VV012281.D (-1606) (-)

Ion 126.90 (126.60 to 127.60): VV012281.D (-1606) (-)

6.55

40000

30000

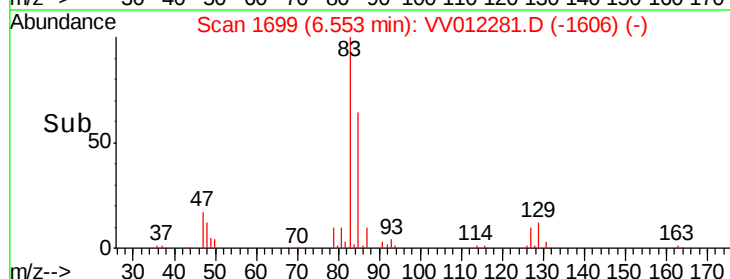
20000

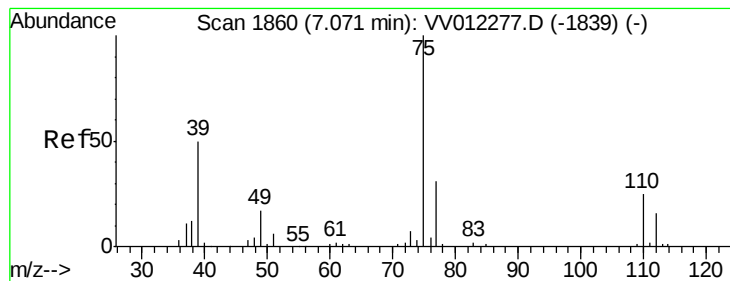
10000

0

6.50 6.55 6.60 6.65

Time-->



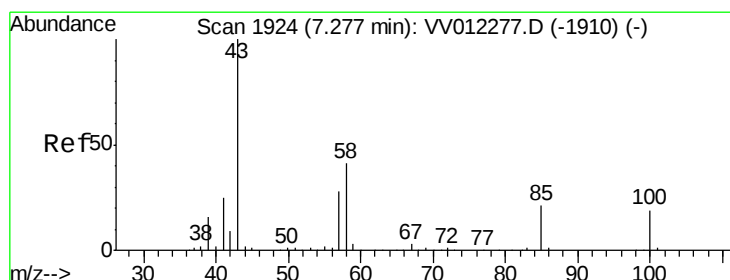
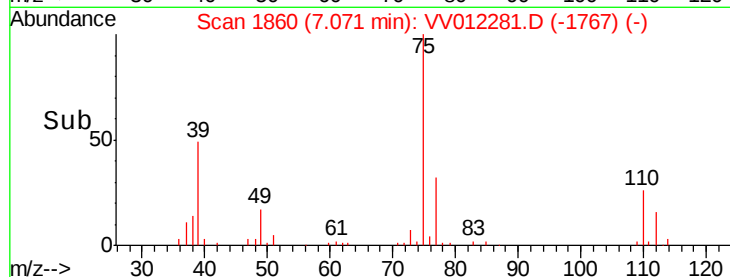
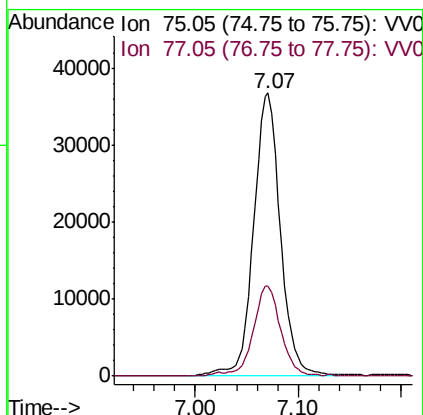
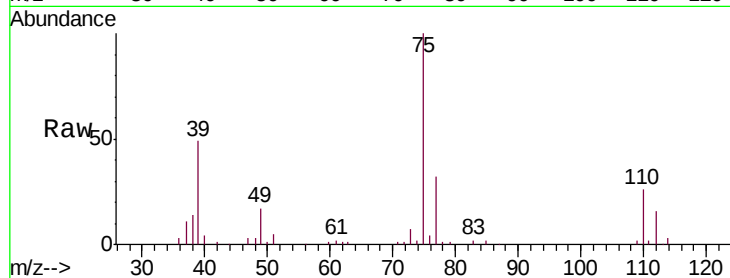


#39

cis-1,3-Dichloropropene
 Concen: 5.497 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV012281.D
 Acq: 19 Aug 2019 16:43

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00545

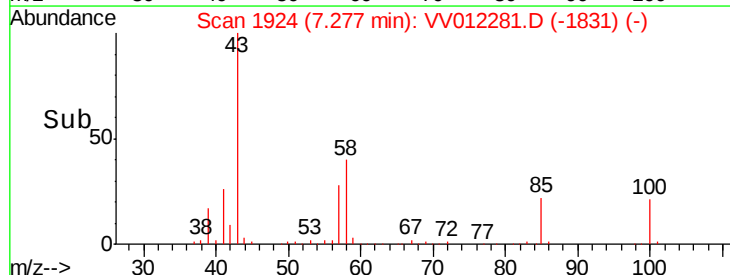
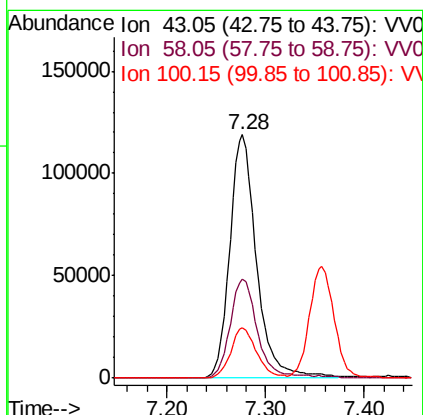
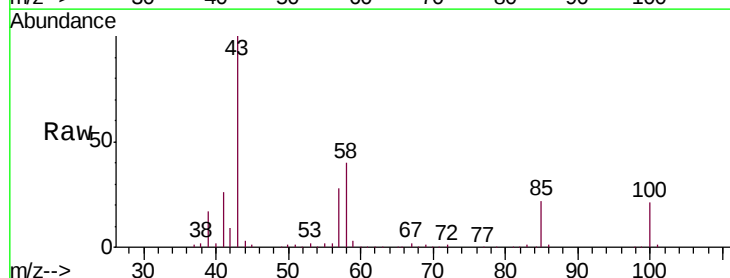
Tgt Ion: 75 Resp: 66146
 Ion Ratio Lower Upper
 75 100
 77 32.1 21.5 39.9

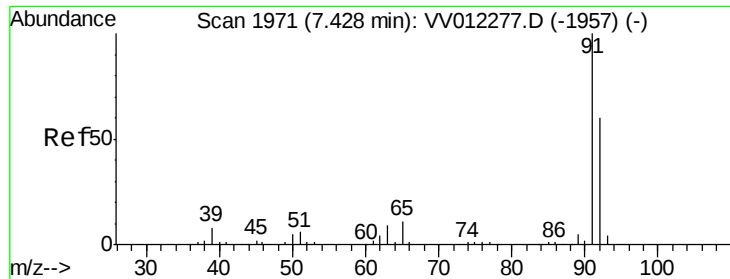


#40

4-Methyl-2-pentanone
 Concen: 56.556 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV012281.D
 Acq: 19 Aug 2019 16:43

Tgt Ion: 43 Resp: 225089
 Ion Ratio Lower Upper
 43 100
 58 41.2 32.1 48.1
 100 20.1 15.2 22.8





#42

Toluene

Concen: 5.632 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV012281.D

Acq: 19 Aug 2019 16:43

Instrument :

MSVOA_V

ClientSampleId :

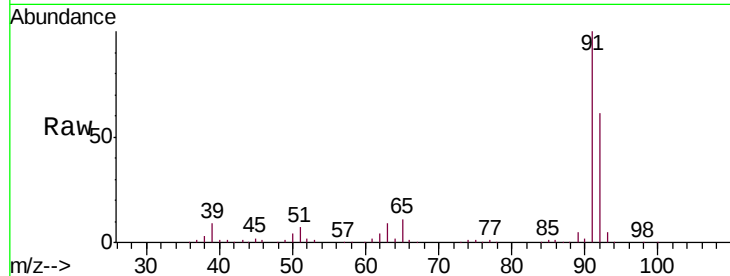
VSTD00545

Tgt Ion: 91 Resp: 201927

Ion Ratio Lower Upper

91 100

92 60.9 41.6 77.3



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

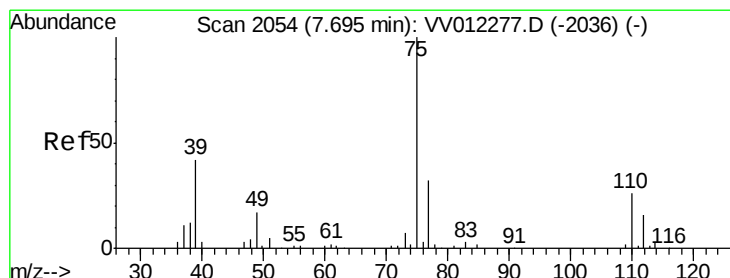
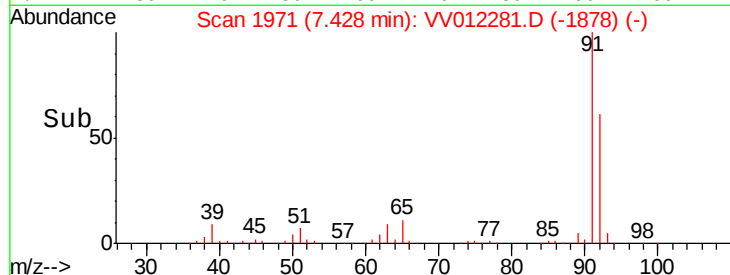
7.43

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.596 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV012281.D

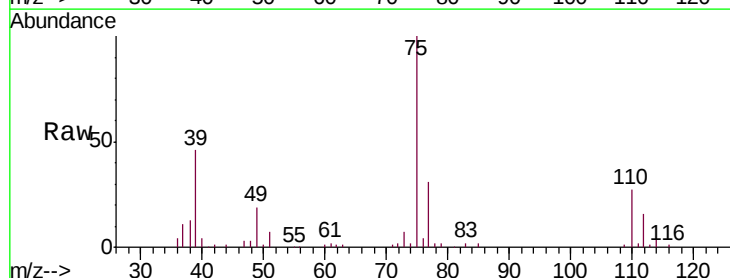
Acq: 19 Aug 2019 16:43

Tgt Ion: 75 Resp: 53768

Ion Ratio Lower Upper

75 100

77 31.3 22.1 41.1



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.69

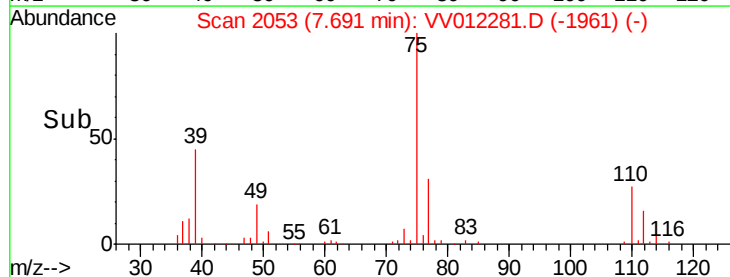
30000

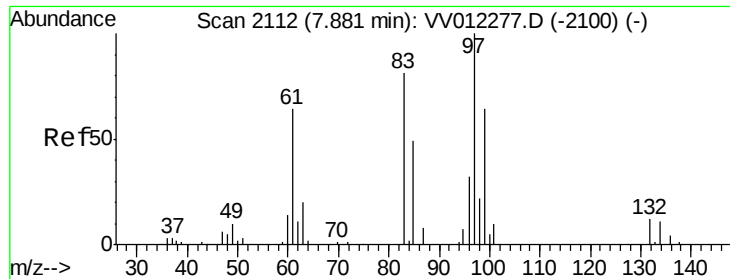
20000

10000

0

Time-->

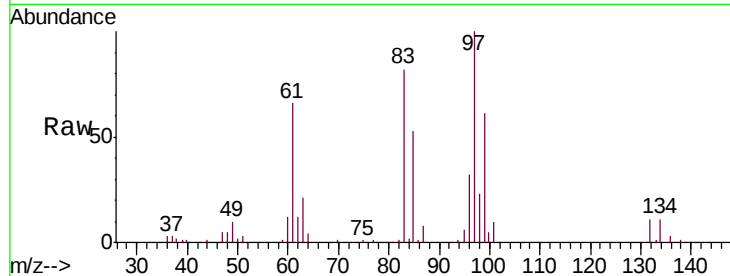




#45
 1,1,2-Trichloroethane
 Concen: 5.483 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV012281.D
 Acq: 19 Aug 2019 16:43

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00545

Tgt Ion:	97	Resp:	31886
Ion	Ratio	Lower	Upper
97	100		
99	61.1	44.7	83.1
83	82.2	56.8	105.6
85	52.7	34.5	64.1



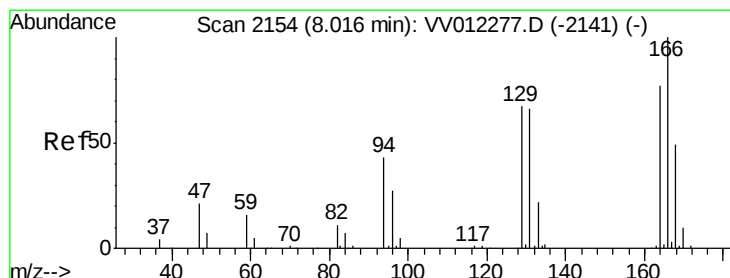
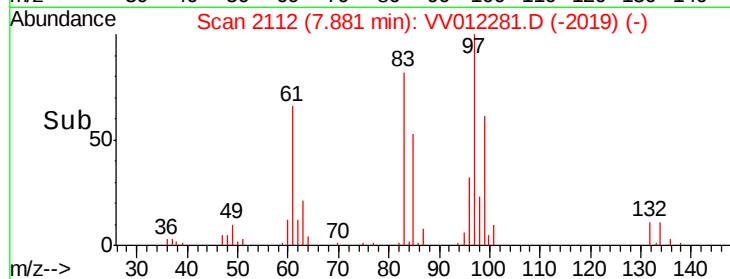
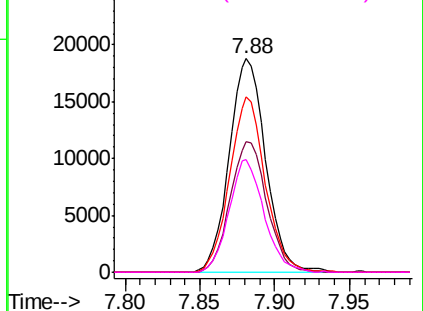
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

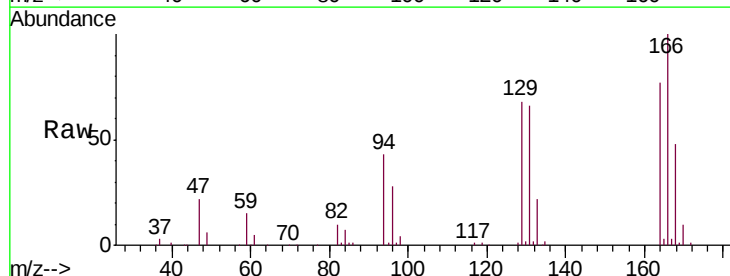
Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47
 Tetrachloroethene
 Concen: 5.545 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV012281.D
 Acq: 19 Aug 2019 16:43

Tgt Ion:	164	Resp:	48613
Ion	Ratio	Lower	Upper
164	100		
129	88.3	60.8	112.8
131	85.5	59.4	110.2
166	130.2	90.4	167.8



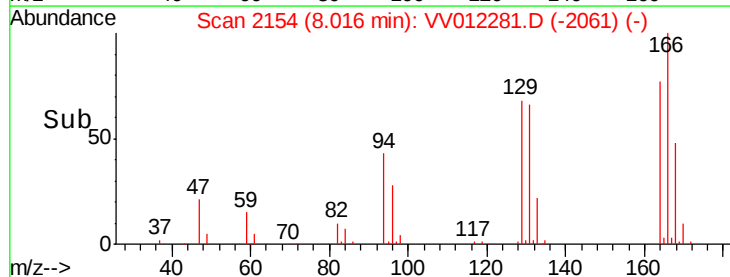
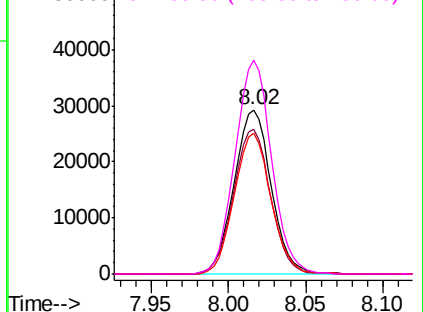
Abundance

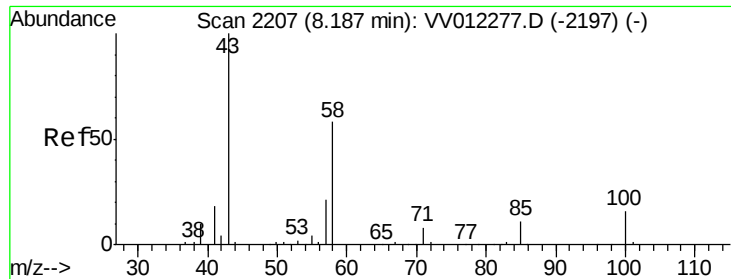
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

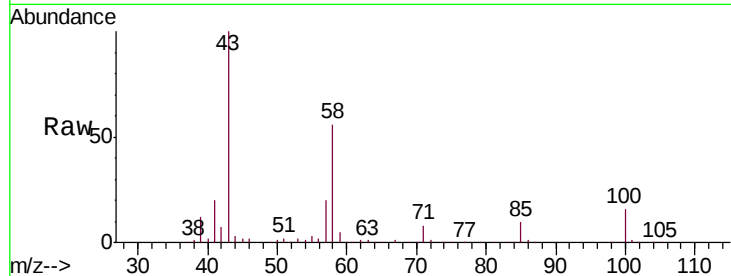




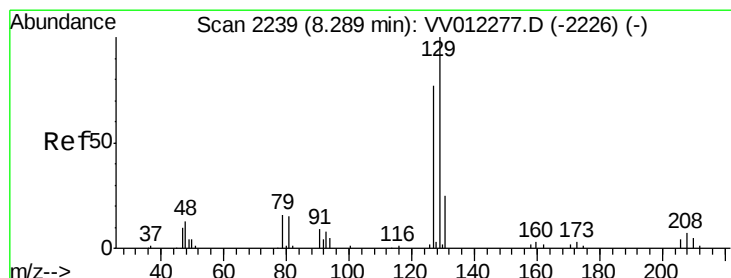
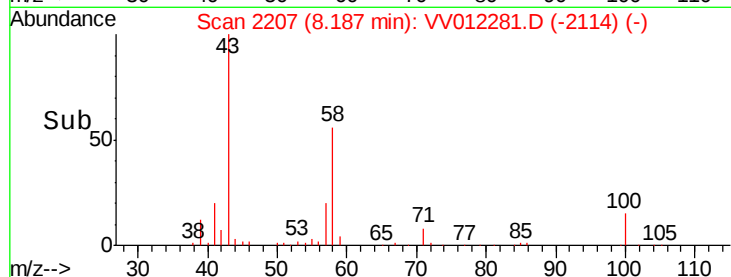
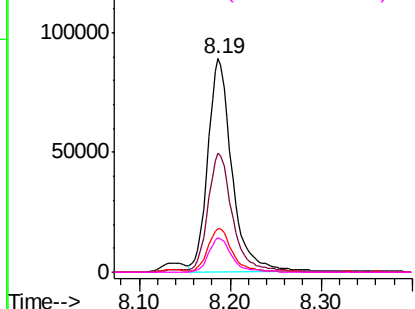
#48
2-Hexanone
Concen: 57.279 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV012281.D
Acq: 19 Aug 2019 16:43

Instrument :
MSVOA_V
ClientSampleId :
VSTD00545

Tgt Ion: 43 Resp: 164084
Ion Ratio Lower Upper
43 100
58 56.6 45.4 68.2
57 20.2 16.8 25.2
100 15.5 12.2 18.2

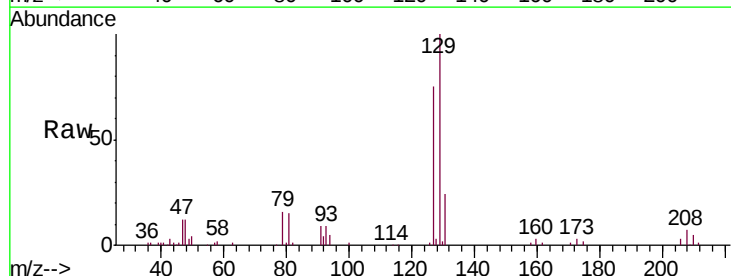


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

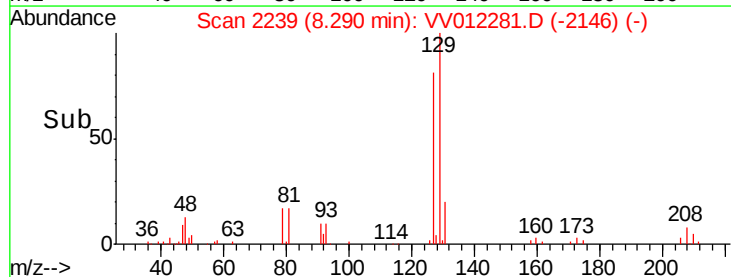
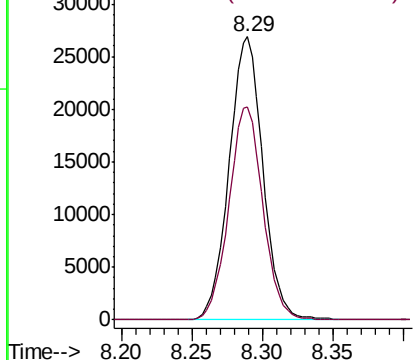


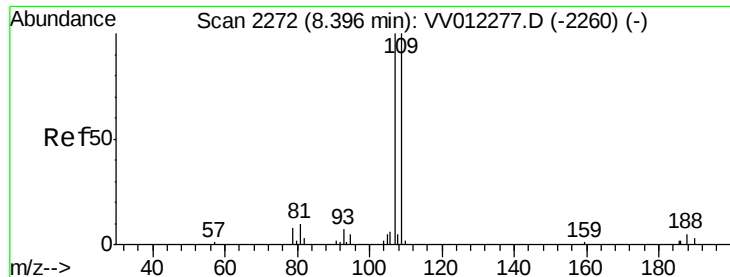
#49
Dibromochloromethane
Concen: 5.695 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV012281.D
Acq: 19 Aug 2019 16:43

Tgt Ion: 129 Resp: 44993
Ion Ratio Lower Upper
129 100
127 75.4 53.9 100.1



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

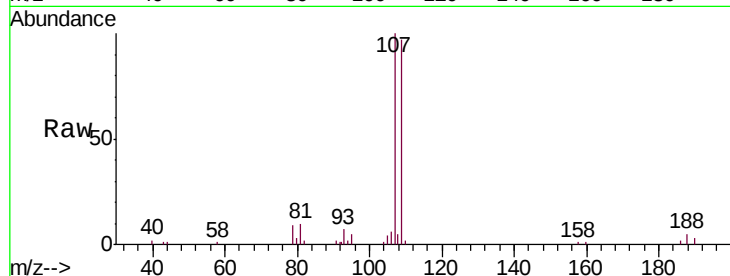




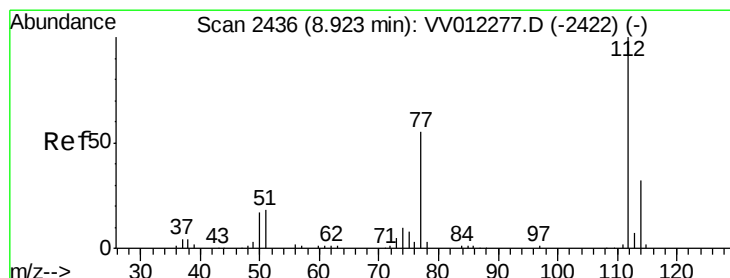
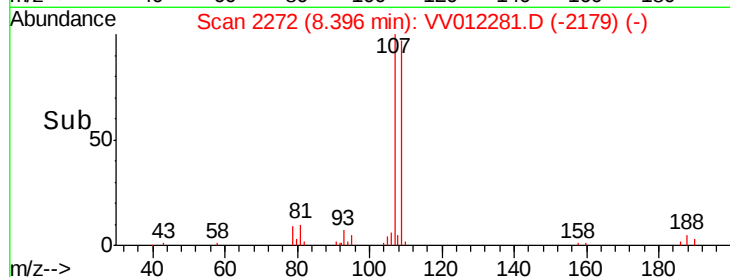
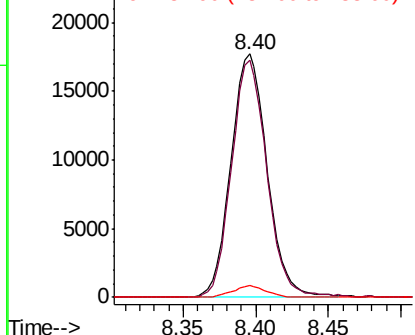
#50
 1,2-Dibromoethane
 Concen: 5.597 ug/L
 RT: 8.40 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VV012281.D
 Acq: 19 Aug 2019 16:43

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00545

Tgt Ion:107 Resp: 30749
 Ion Ratio Lower Upper
 107 100
 109 97.5 70.0 130.0
 188 4.7 3.7 5.5

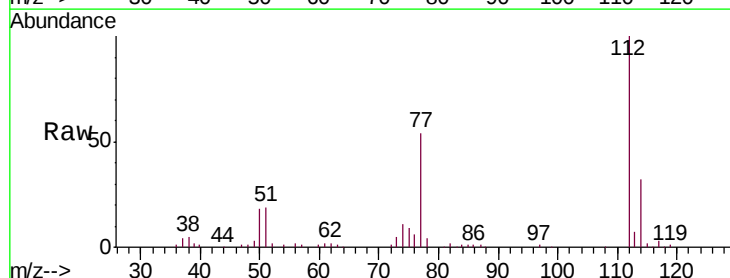


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

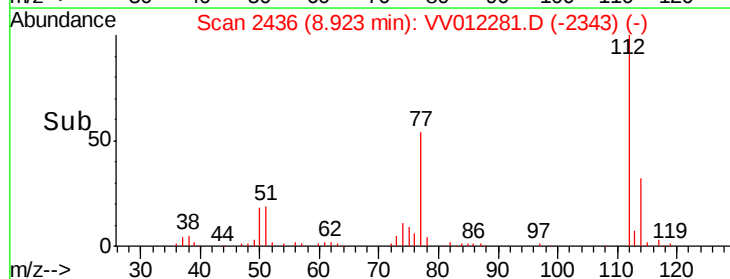
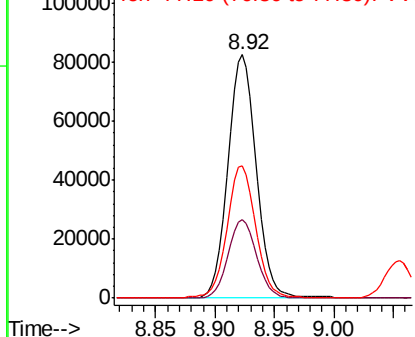


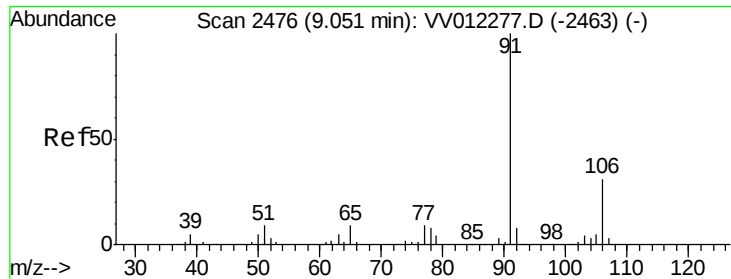
#51
 Chlorobenzene
 Concen: 5.575 ug/L
 RT: 8.92 min Scan# 2436
 Delta R.T. 0.00 min
 Lab File: VV012281.D
 Acq: 19 Aug 2019 16:43

Tgt Ion:112 Resp: 136381
 Ion Ratio Lower Upper
 112 100
 114 32.0 22.3 41.5
 77 54.3 43.9 65.9



Abundance Ion 112.10 (111.80 to 112.80): V
 Ion 114.05 (113.75 to 114.75): V
 Ion 77.10 (76.80 to 77.80): VV0





#52

Ethylbenzene

Concen: 5.689 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV012281.D

Acq: 19 Aug 2019 16:43

Instrument :

MSVOA_V

ClientSampleId :

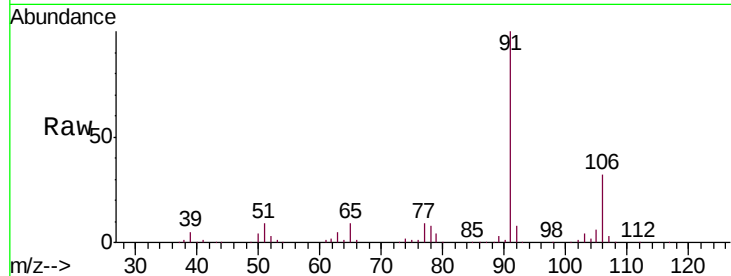
VSTD00545

Tgt Ion: 91 Resp: 228232

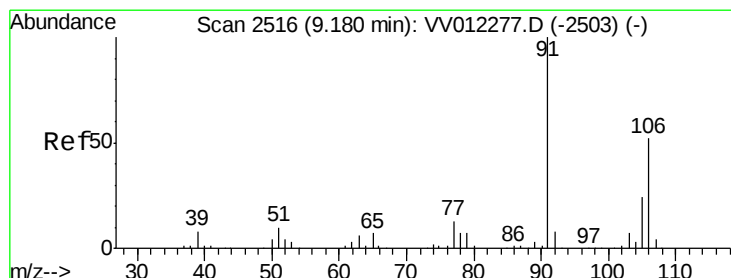
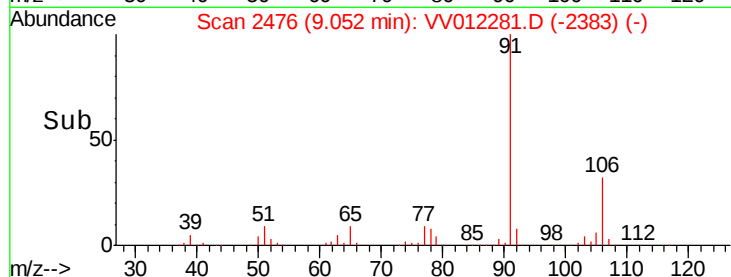
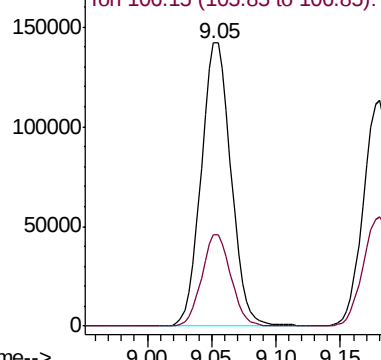
Ion Ratio Lower Upper

91 100

106 32.5 21.6 40.0



Abundance Ion 91.15 (90.85 to 91.85): VV012277.D (-2463) (-)



#53

m,p-xylene

Concen: 5.821 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV012281.D

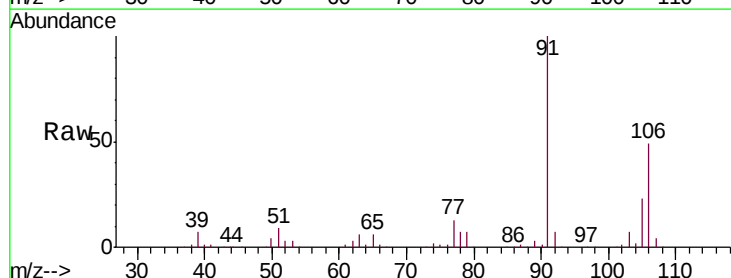
Acq: 19 Aug 2019 16:43

Tgt Ion: 106 Resp: 91171

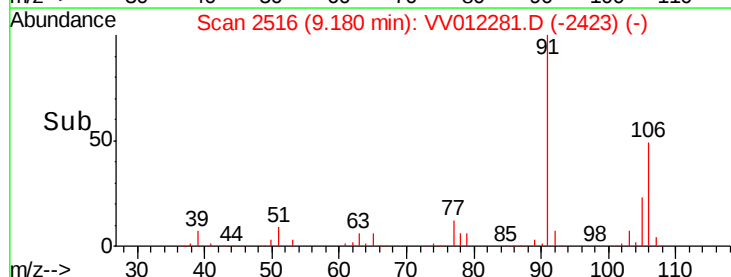
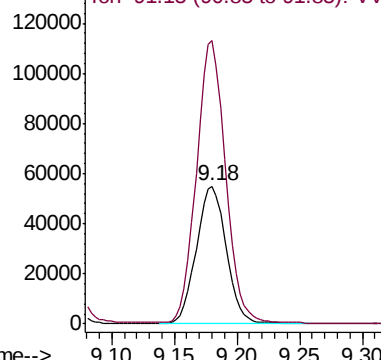
Ion Ratio Lower Upper

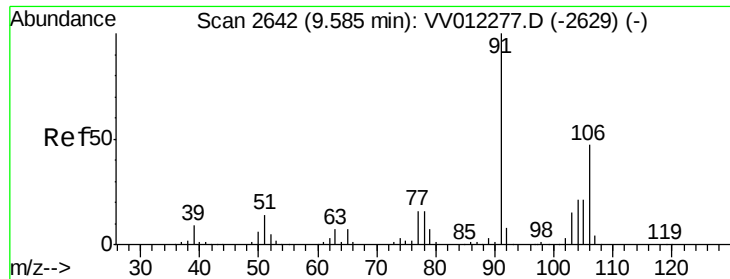
106 100

91 205.9 136.0 252.6



Abundance Ion 106.15 (105.85 to 106.85): VV012277.D (-2503) (-)





#54

o-xylene

Concen: 5.773 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV012281.D

Acq: 19 Aug 2019 16:43

Instrument :

MSVOA_V

ClientSampleId :

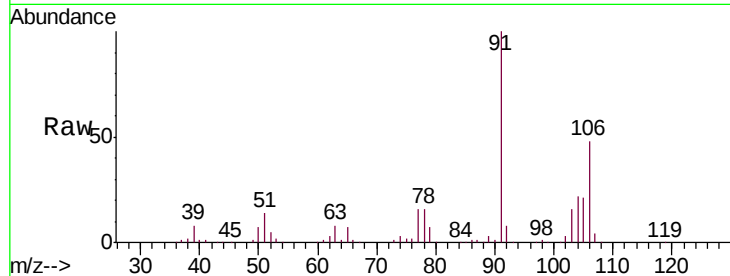
VSTD00545

Tgt Ion:106 Resp: 86955

Ion Ratio Lower Upper

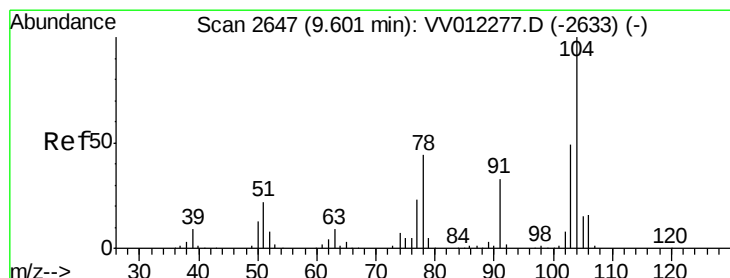
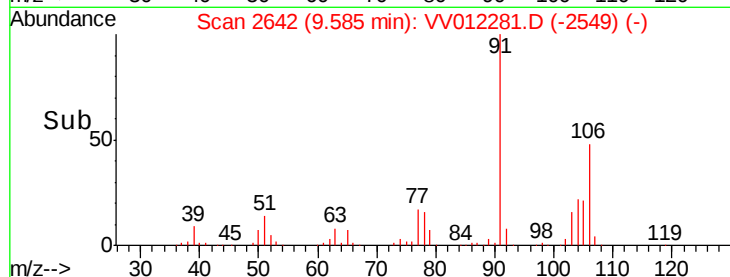
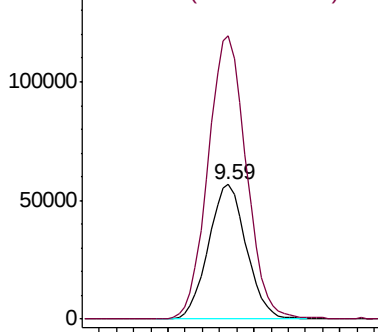
106 100

91 210.2 148.7 276.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.713 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV012281.D

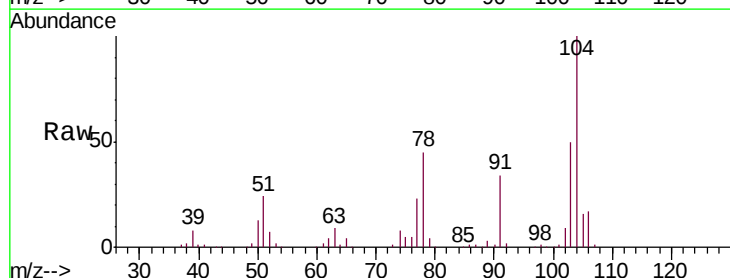
Acq: 19 Aug 2019 16:43

Tgt Ion:104 Resp: 145357

Ion Ratio Lower Upper

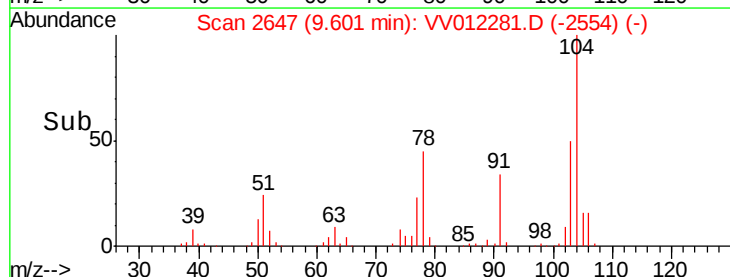
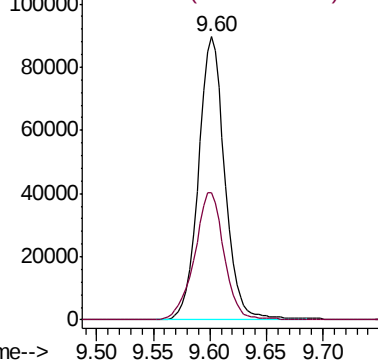
104 100

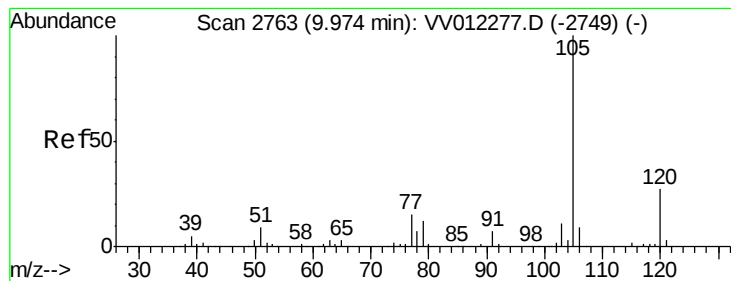
78 45.0 30.8 57.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.806 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. -0.00 min

Lab File: VV012281.D

Acq: 19 Aug 2019 16:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD00545

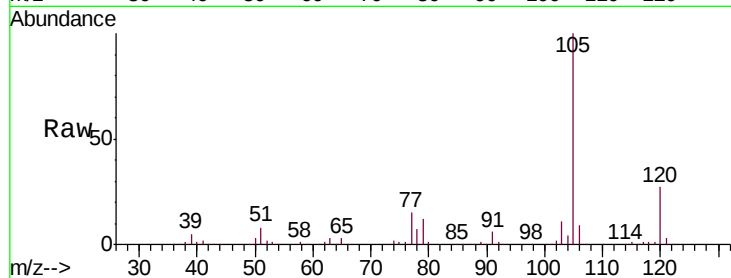
Tgt Ion: 105 Resp: 241407

Ion Ratio Lower Upper

105 100

120 26.5 21.4 32.0

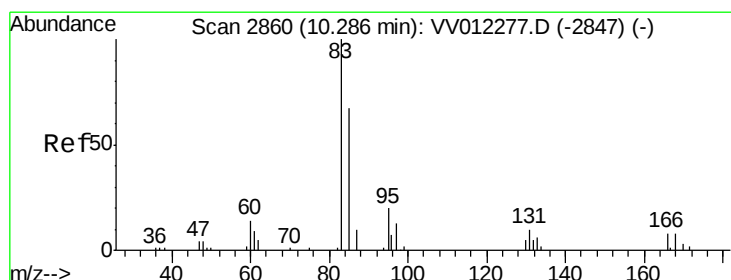
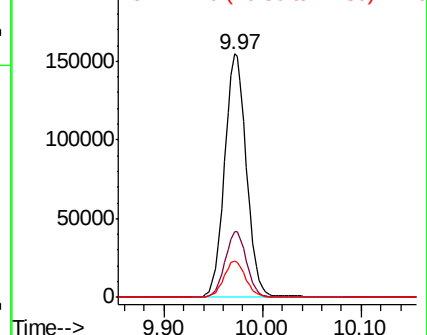
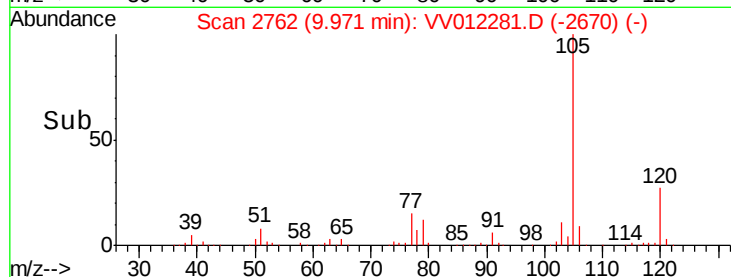
77 14.9 12.2 18.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.394 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VV012281.D

Acq: 19 Aug 2019 16:43

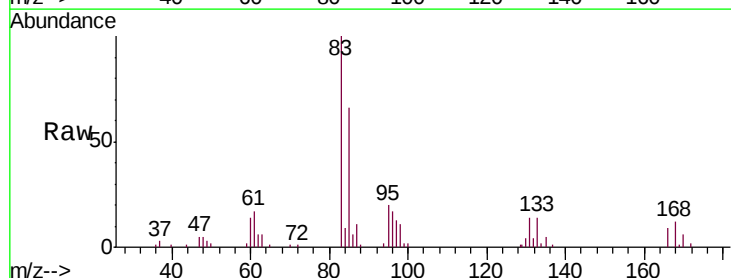
Tgt Ion: 83 Resp: 32048

Ion Ratio Lower Upper

83 100

85 65.9 47.0 87.2

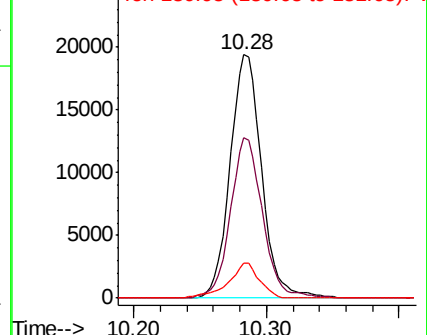
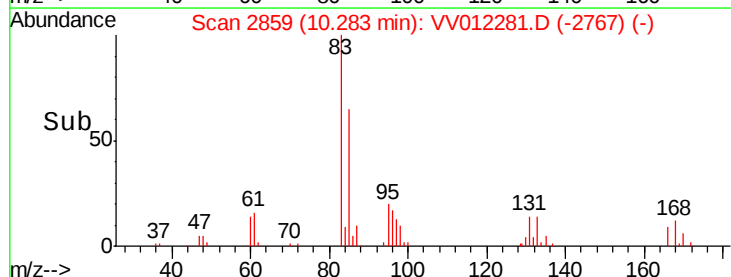
131 14.2 9.0 13.4#

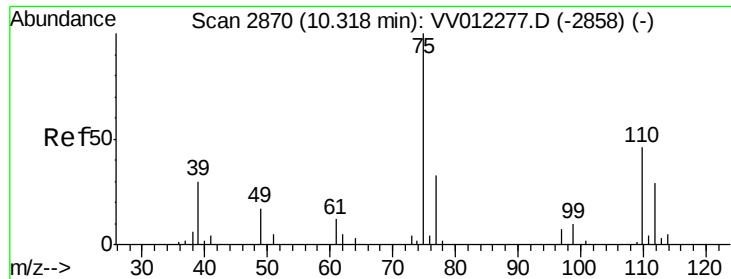


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

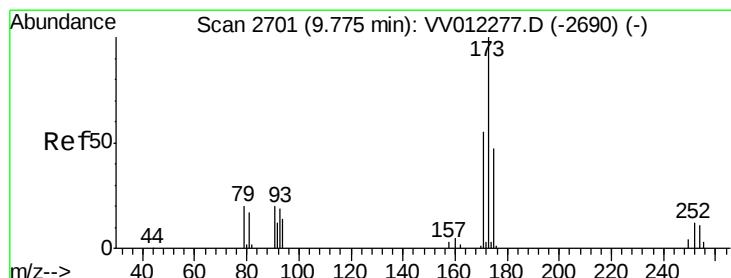
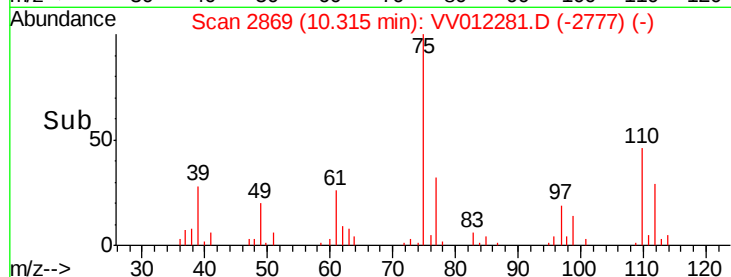
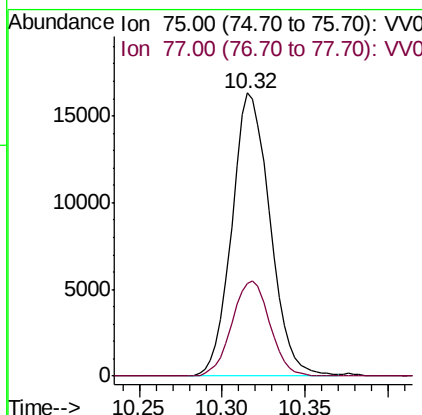
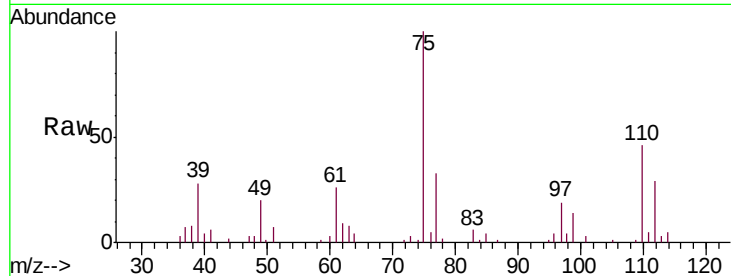




#59
 1,2,3-Trichloropropane
 Concen: 5.577 ug/L
 RT: 10.32 min Scan# 2869
 Delta R.T. -0.00 min
 Lab File: VV012281.D
 Acq: 19 Aug 2019 16:43

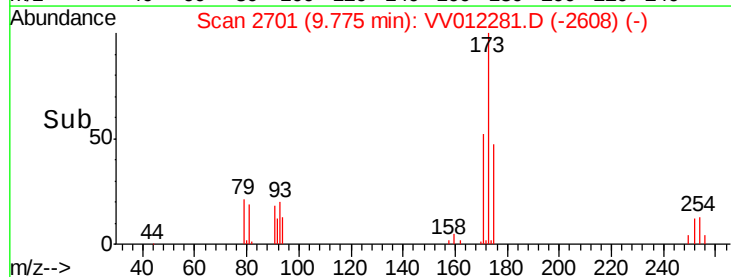
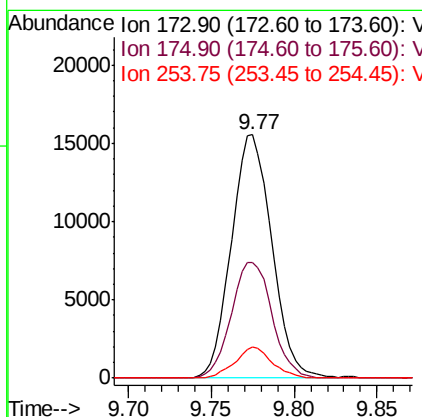
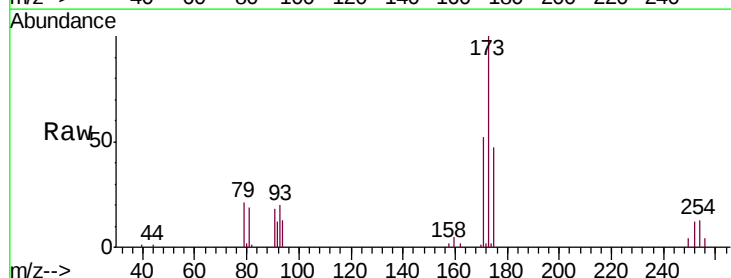
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00545

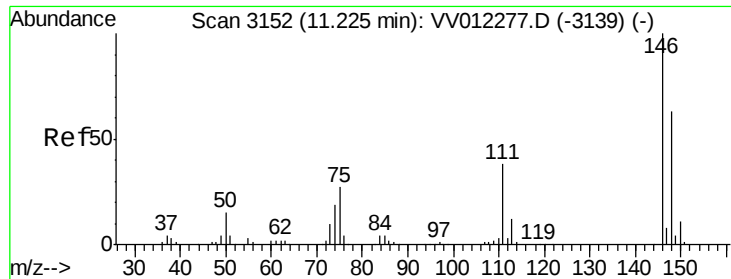
Tgt Ion: 75 Resp: 26203
 Ion Ratio Lower Upper
 75 100
 77 33.2 25.8 38.8



#61
 Bromoform
 Concen: 6.068 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. 0.00 min
 Lab File: VV012281.D
 Acq: 19 Aug 2019 16:43

Tgt Ion: 173 Resp: 26398
 Ion Ratio Lower Upper
 173 100
 175 47.8 38.9 58.3
 254 11.6 9.0 13.6





#62

1,3-Dichlorobenzene

Concen: 5.690 ug/L

RT: 11.23 min Scan# 3152

Delta R.T. 0.00 min

Lab File: VV012281.D

Acq: 19 Aug 2019 16:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD00545

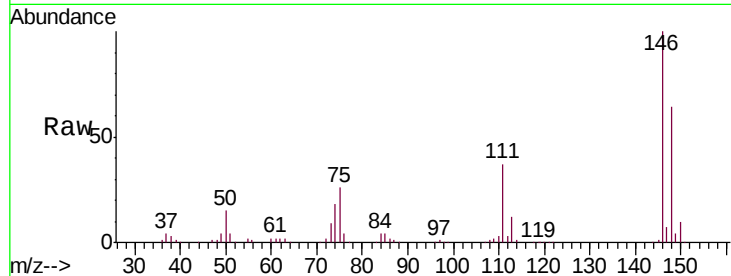
Tgt Ion:146 Resp: 121288

Ion Ratio Lower Upper

146 100

111 37.5 26.8 49.8

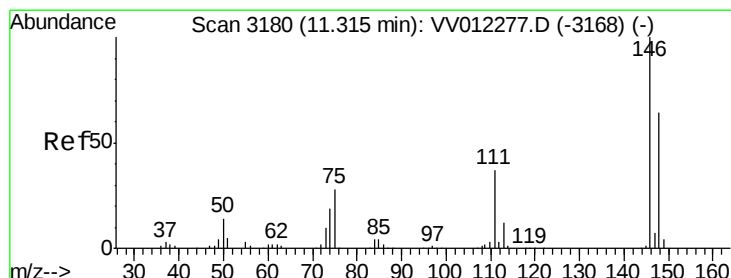
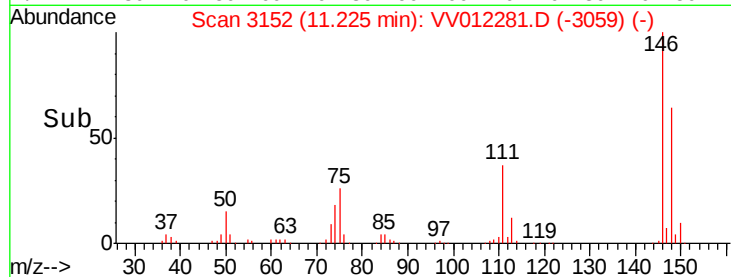
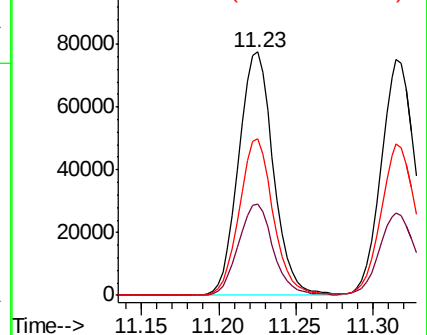
148 64.1 44.0 81.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.575 ug/L

RT: 11.32 min Scan# 3180

Delta R.T. 0.00 min

Lab File: VV012281.D

Acq: 19 Aug 2019 16:43

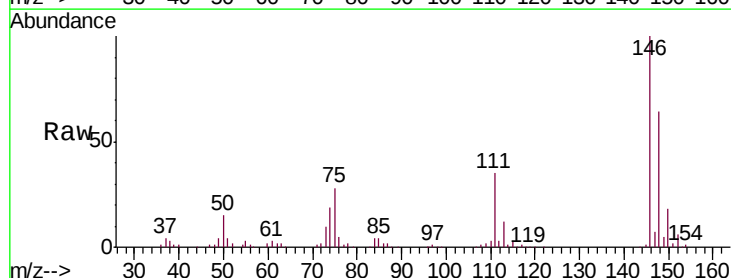
Tgt Ion:146 Resp: 118202

Ion Ratio Lower Upper

146 100

111 35.1 26.2 48.6

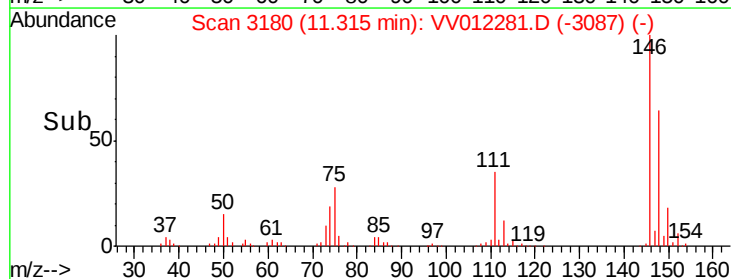
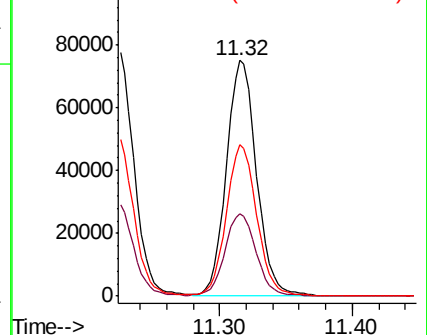
148 64.2 45.3 84.1

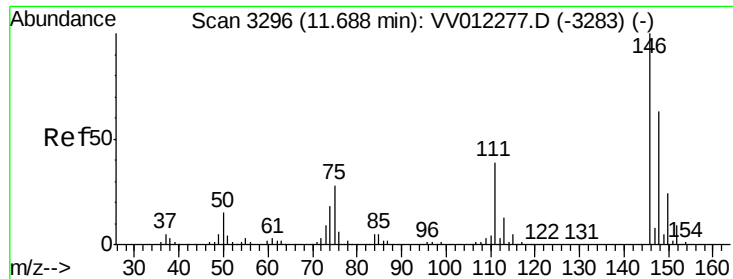


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.559 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. 0.00 min

Lab File: VV012281.D

Acq: 19 Aug 2019 16:43

Instrument :

MSVOA_V

ClientSampled :

VSTD00545

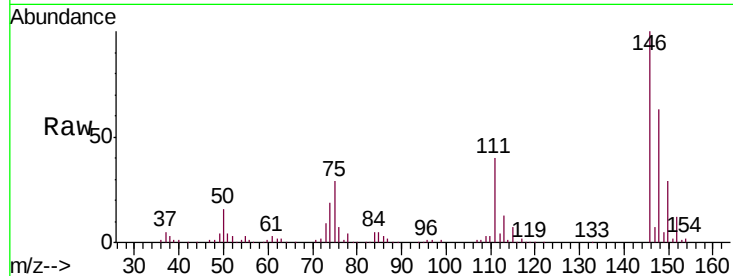
Tgt Ion:146 Resp: 108734

Ion Ratio Lower Upper

146 100

111 39.8 31.4 47.0

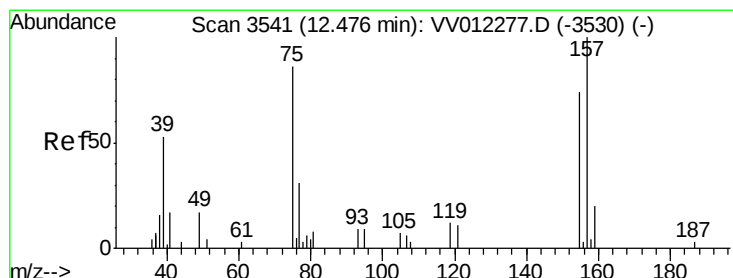
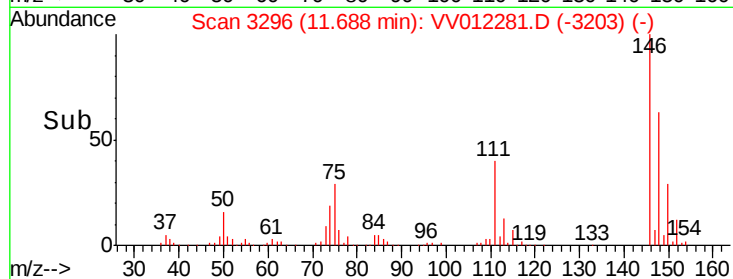
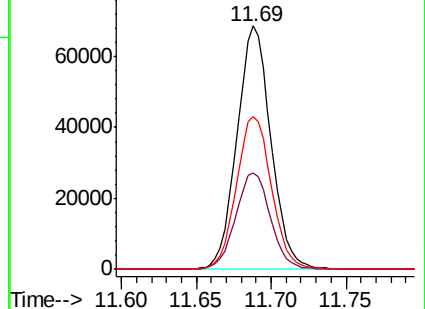
148 63.0 50.8 76.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.925 ug/L

RT: 12.47 min Scan# 3540

Delta R.T. -0.00 min

Lab File: VV012281.D

Acq: 19 Aug 2019 16:43

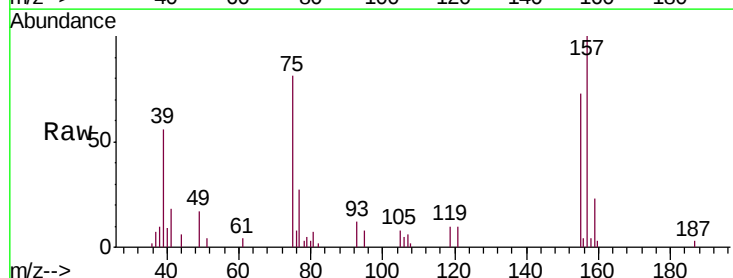
Tgt Ion: 75 Resp: 6055

Ion Ratio Lower Upper

75 100

155 90.9 68.4 102.6

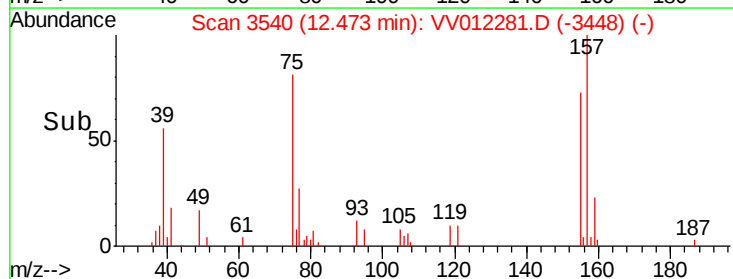
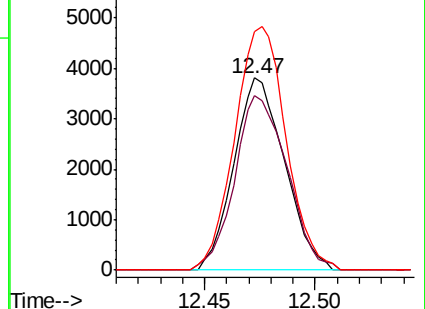
157 124.1 92.6 139.0

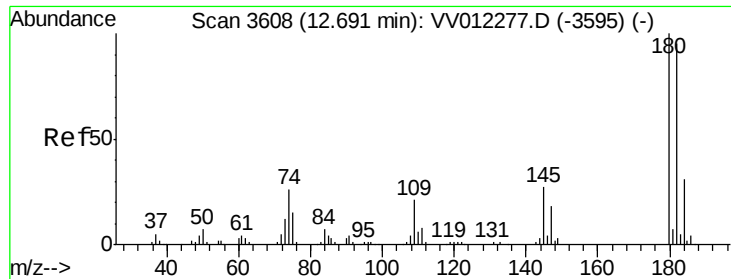


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

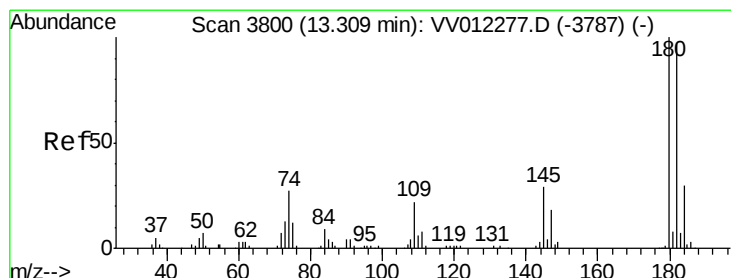
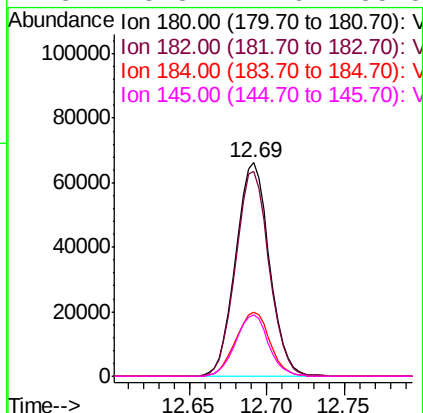
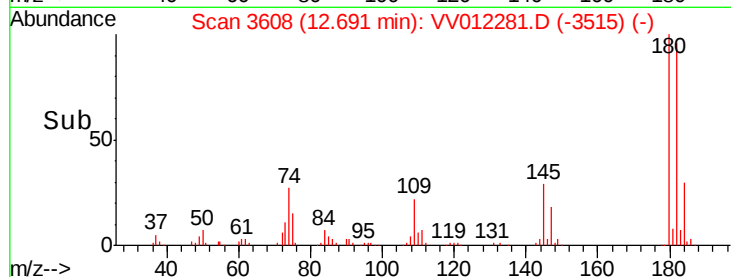
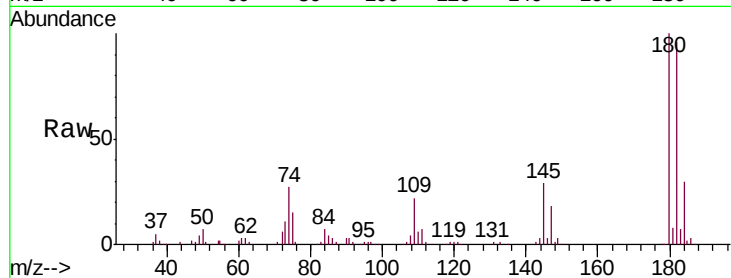




#67
 1,3,5-Trichlorobenzene
 Concen: 5.726 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV012281.D
 Acq: 19 Aug 2019 16:43

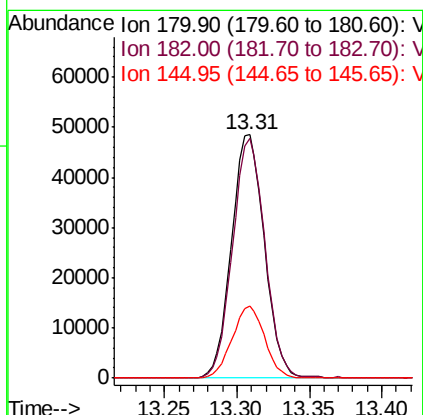
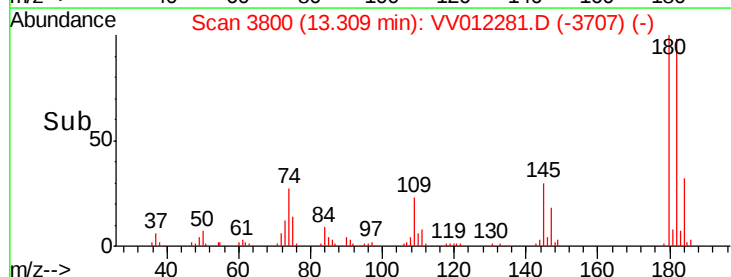
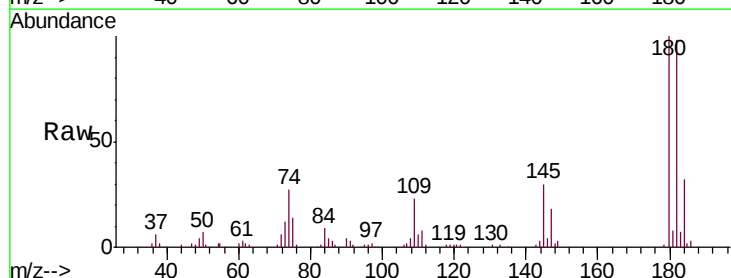
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00545

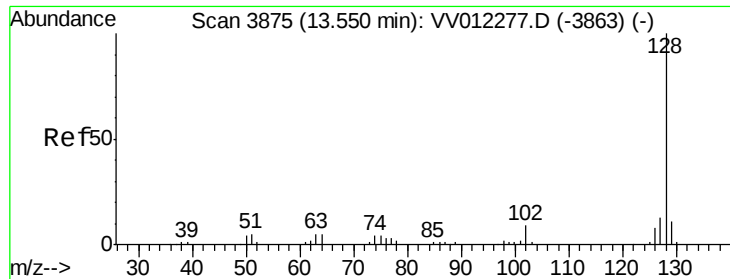
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	75.9	113.9
184	30.3	24.6	36.8
145	28.3	22.6	33.8



#68
 1,2,4-trichlorobenzene
 Concen: 5.922 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV012281.D
 Acq: 19 Aug 2019 16:43

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.6	77.2	115.8
145	29.0	22.6	33.8





#69

Naphthalene

Concen: 6.021 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV012281.D

Acq: 19 Aug 2019 16:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD00545

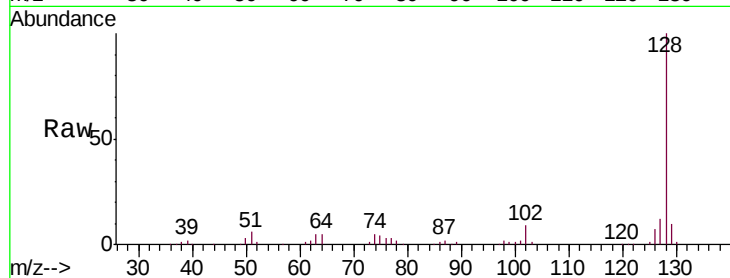
Tgt Ion:128 Resp: 105885

Ion Ratio Lower Upper

128 100

129 10.7 8.7 13.1

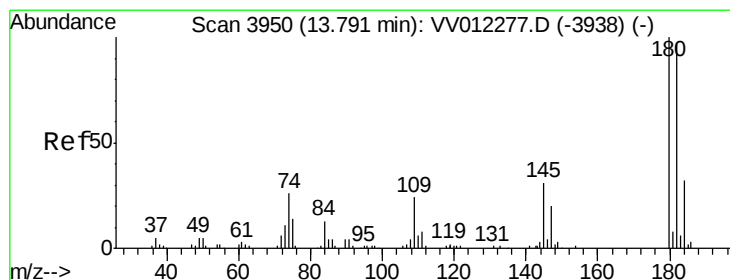
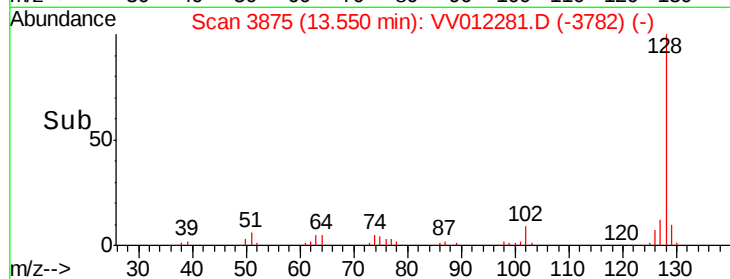
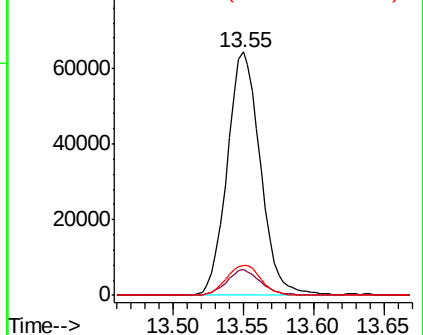
127 12.8 10.5 15.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.939 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV012281.D

Acq: 19 Aug 2019 16:43

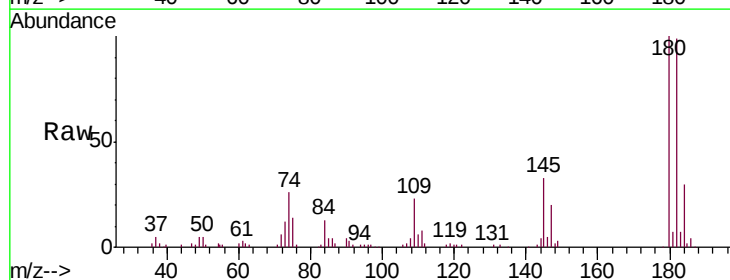
Tgt Ion:180 Resp: 71039

Ion Ratio Lower Upper

180 100

182 96.3 75.9 113.9

145 31.3 24.1 36.1



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

