

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081919\
 Data File : VV012276.D
 Acq On : 19 Aug 2019 13:29
 Operator : SY/MD
 Sample : VSTD00133
 Misc : 25mL/MSVOA V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 19 18:27:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR081919WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Aug 19 18:23:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	133713	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	126742	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	63871	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	6231	0.76	ug/L	0.00
7) Chloroethane-d5	1.58	69	4369	0.72	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	11090	0.80	ug/L	0.00
20) 2-Butanone-d5	3.97	46	4863	2.73	ug/L	0.00
24) Chloroform-d	4.40	84	16919	1.01	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	8795	1.09	ug/L	0.00
32) Benzene-d6	5.10	84	29416	0.91	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	8679	0.92	ug/L	0.00
41) Toluene-d8	7.36	98	26759	0.89	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	3659	0.98	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	9347	7.94	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	5977	0.89	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	11310	1.01	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	13745	1.006 ug/L	94
3) Chloromethane	1.25	50	7618	0.685 ug/L	98
5) Vinyl chloride	1.32	62	7998	0.699 ug/L	98
6) Bromomethane	1.53	94	4291	0.681 ug/L	99
8) Chloroethane	1.60	64	3754	0.593 ug/L	97
9) Trichlorofluoromethane	1.77	101	14556	0.945 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	6055	0.793 ug/L	93
12) 1,1-Dichloroethene	2.14	96	5562	0.785 ug/L	86
13) Acetone	2.25	43	8894	8.134 ug/L	88
14) Carbon disulfide	2.31	76	15696	0.778 ug/L	96
15) Methyl Acetate	2.48	43	2089	0.793 ug/L #	84
16) Methylene chloride	2.53	84	6497	0.877 ug/L	90
17) Methyl tert-butyl Ether	2.81	73	17992	0.921 ug/L	98
18) trans-1,2-Dichloroethene	2.78	96	8146	0.870 ug/L	97
19) 1,1-Dichloroethane	3.23	63	14036	0.829 ug/L	95
22) cis-1,2-Dichloroethene	3.96	96	8620	0.843 ug/L	83
23) Bromochloromethane	4.31	128	3990	0.905 ug/L	96
25) Chloroform	4.42	83	18724	0.957 ug/L	100
27) 1,2-Dichloroethane	5.18	62	9889	0.911 ug/L #	89
29) 1,1,1-Trichloroethane	4.66	97	15532	0.988 ug/L	98
30) Cyclohexane	4.72	56	11613	0.789 ug/L	99
31) Carbon tetrachloride	4.87	117	14866	1.038 ug/L	97
33) Benzene	5.15	78	32976	0.886 ug/L	100
34) Trichloroethene	5.96	95	10094	0.980 ug/L	96
35) Methylcyclohexane	6.17	83	13689	0.867 ug/L	99
37) 1,2-Dichloropropane	6.22	63	7985	0.871 ug/L	99
38) Bromodichloromethane	6.56	83	10992	0.893 ug/L	96
39) cis-1,3-Dichloropropene	7.07	75	11206	0.859 ug/L	96
40) 4-Methyl-2-pentanone	7.28	43	37630	7.506 ug/L	96
42) Toluene	7.43	91	35149	0.876 ug/L	97

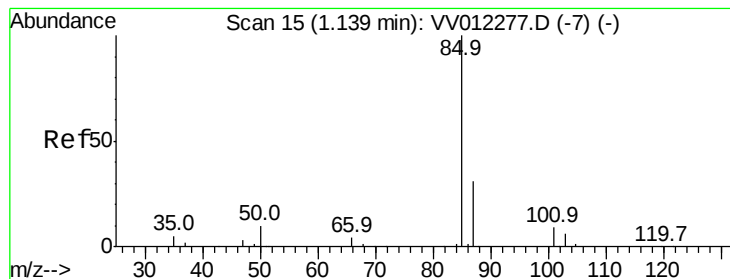
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081919\
 Data File : VV012276.D
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Quant Time: Aug 19 18:27:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR081919WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Aug 19 18:23:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) trans-1,3-Dichloropropene	7.70	75	8529	0.821	ug/L	97
45) 1,1,2-Trichloroethane	7.88	97	5724	0.907	ug/L	98
47) Tetrachloroethene	8.02	164	8302	0.955	ug/L	88
48) 2-Hexanone	8.19	43	27461	7.813	ug/L	99
49) Dibromochloromethane	8.29	129	7251	0.907	ug/L	98
50) 1,2-Dibromoethane	8.40	107	5505	0.907	ug/L	93
51) Chlorobenzene	8.92	112	24063	0.917	ug/L	99
52) Ethylbenzene	9.05	91	36463	0.843	ug/L	99
53) m,p-xylene	9.18	106	14238	0.851	ug/L	92
54) o-xylene	9.59	106	13626	0.861	ug/L	98
55) Styrene	9.60	104	22570	0.855	ug/L	98
56) Isopropylbenzene	9.97	105	37311	0.877	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	5855	0.818	ug/L #	94
59) 1,2,3-Trichloropropane	10.32	75	4553	0.856	ug/L	95
61) Bromoform	9.78	173	3947	0.952	ug/L #	94
62) 1,3-Dichlorobenzene	11.23	146	19672	0.930	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	19456	0.920	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	18621	0.958	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	843	0.686	ug/L #	86
67) 1,3,5-Trichlorobenzene	12.69	180	15657	0.960	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	10011	0.824	ug/L	97
69) Naphthalene	13.55	128	11673	0.681	ug/L	98
70) 1,2,3-Trichlorobenzene	13.79	180	9588	0.844	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 1.006 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV012276.D

Acq: 19 Aug 2019 13:29

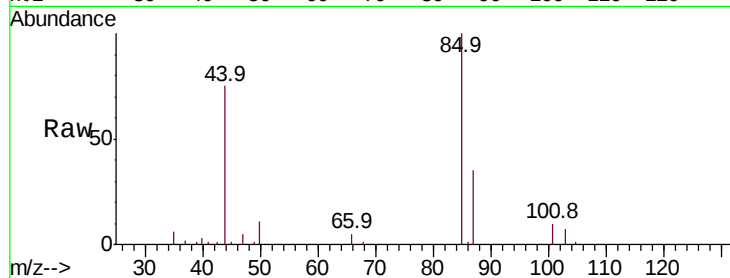
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 85 Resp: 13745

Ion Ratio Lower Upper

85 100

87 34.2 24.6 37.0



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

15000

10000

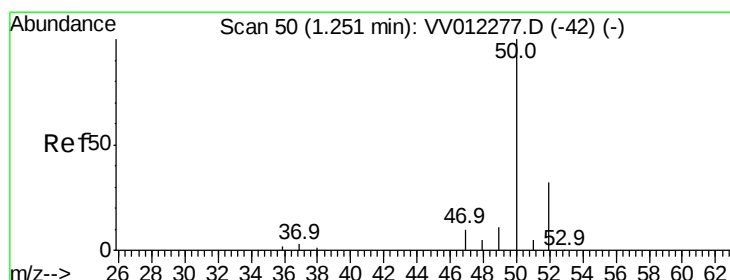
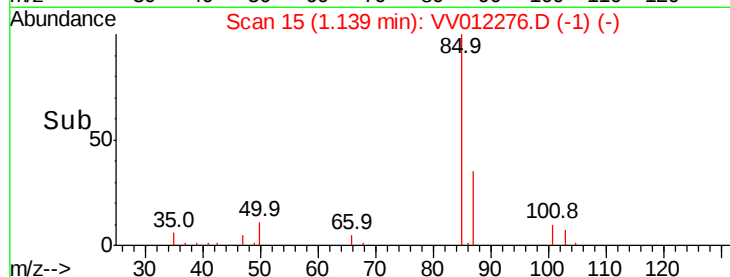
5000

0

1.14

1.10 1.15 1.20

Time-->



#3

Chloromethane

Concen: 0.685 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV012276.D

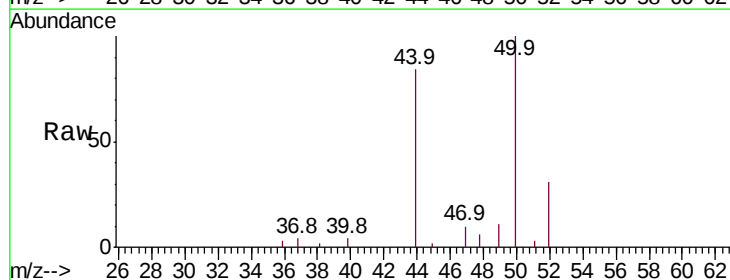
Acq: 19 Aug 2019 13:29

Tgt Ion: 50 Resp: 7618

Ion Ratio Lower Upper

50 100

52 31.4 22.6 42.0



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0

6000

4000

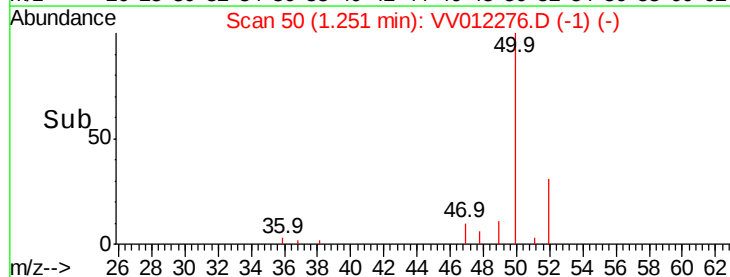
2000

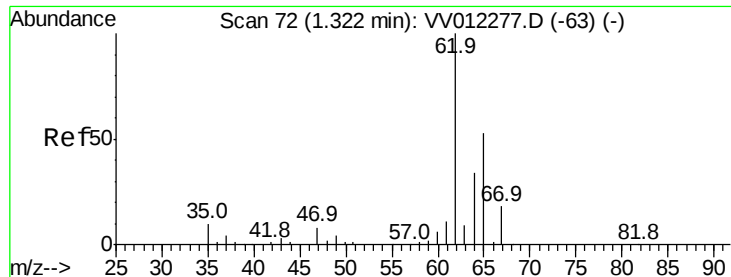
0

1.25

1.20 1.25 1.30

Time-->





#5

Vinyl chloride

Concen: 0.699 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV012276.D

Acq: 19 Aug 2019 13:29

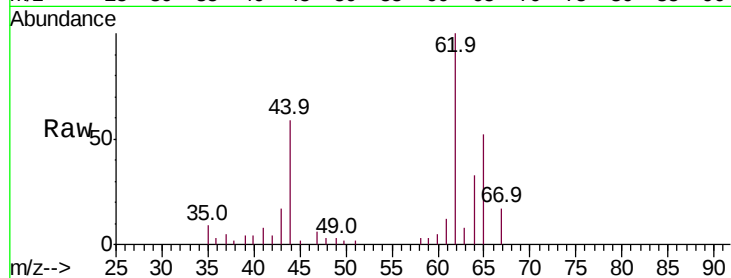
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 7998

Ion Ratio Lower Upper

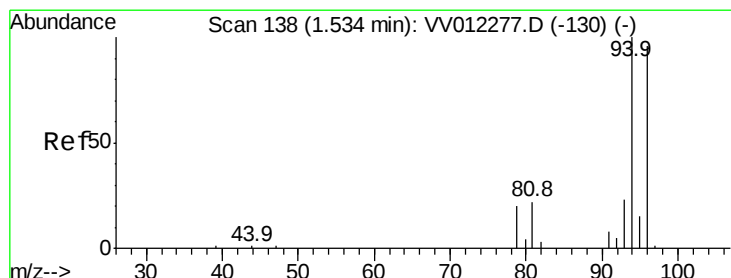
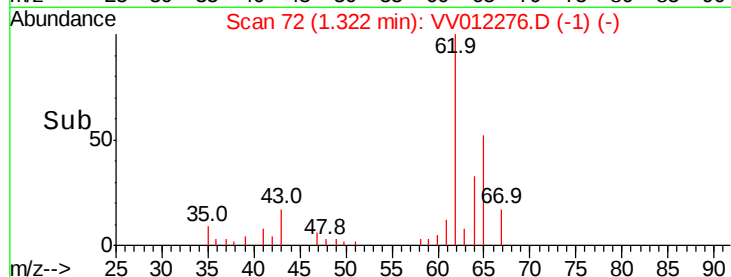
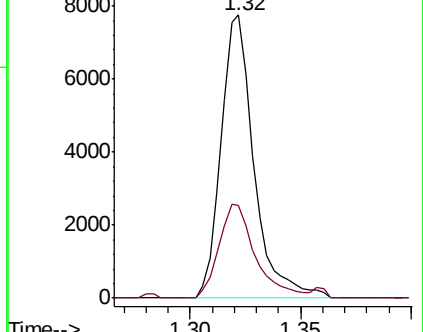
62 100

64 32.8 23.8 44.2



Abundance Ion 62.00 (61.70 to 62.70): VV012277.D (-63) (-)

Ion 64.10 (63.80 to 64.80): VV012277.D (-63) (-)



#6

Bromomethane

Concen: 0.681 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV012276.D

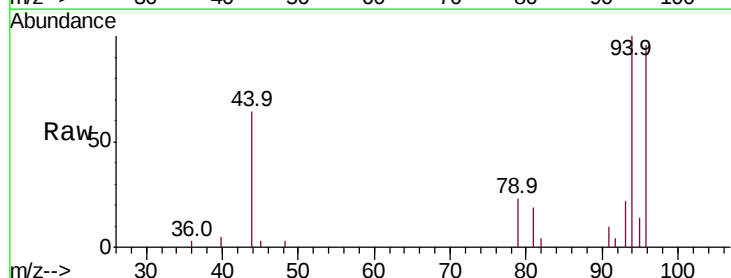
Acq: 19 Aug 2019 13:29

Tgt Ion: 94 Resp: 4291

Ion Ratio Lower Upper

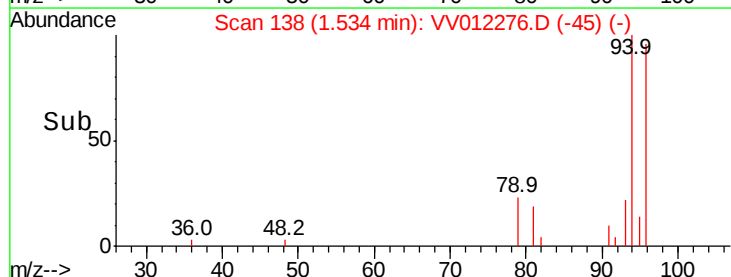
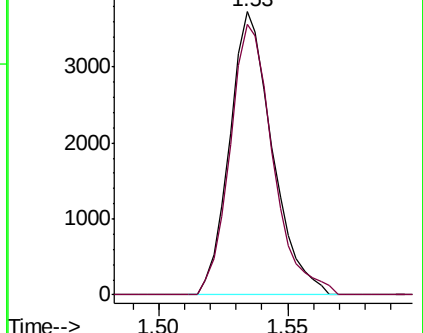
94 100

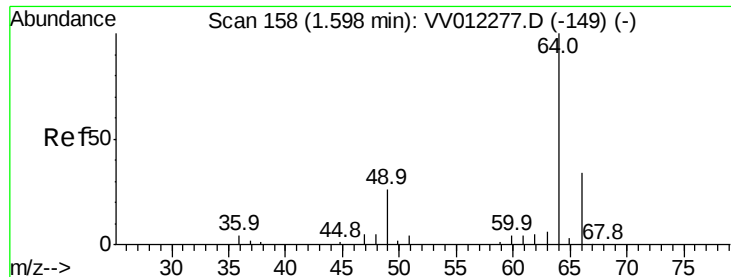
96 95.6 67.3 125.1



Abundance Ion 94.00 (93.70 to 94.70): VV012277.D (-130) (-)

Ion 96.00 (95.70 to 96.70): VV012277.D (-130) (-)





#8

Chloroethane

Concen: 0.593 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV012276.D

Acq: 19 Aug 2019 13:29

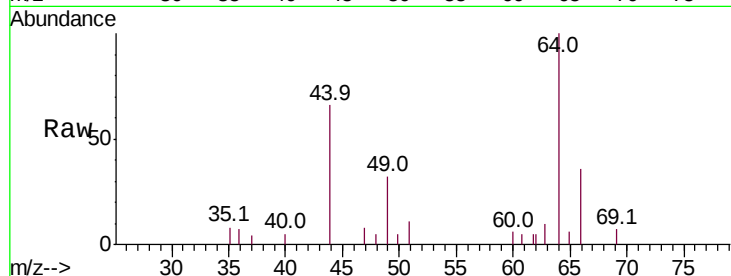
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 64 Resp: 3754

Ion Ratio Lower Upper

64 100

66 35.6 23.7 44.1



Abundance Ion 64.10 (63.80 to 64.80): VV012277.D (-149) (-)

Ion 66.05 (65.75 to 66.75): VV012277.D (-149) (-)

1.60

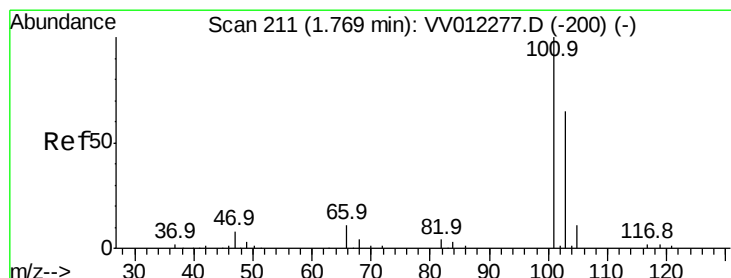
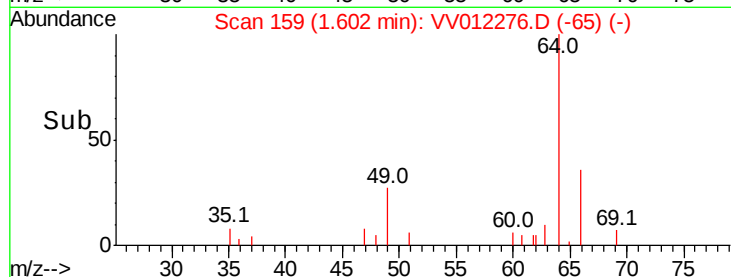
3000

2000

1000

0

Time-->



#9

Trichlorofluoromethane

Concen: 0.945 ug/L

RT: 1.77 min Scan# 211

Delta R.T. 0.00 min

Lab File: VV012276.D

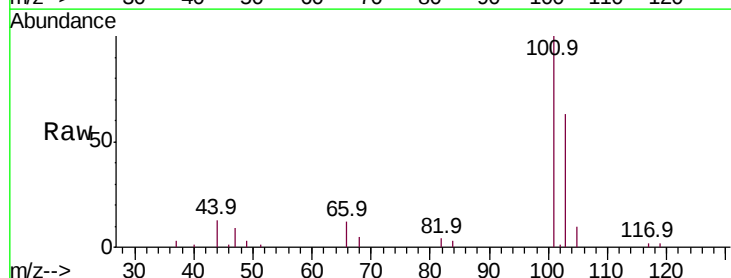
Acq: 19 Aug 2019 13:29

Tgt Ion:101 Resp: 14556

Ion Ratio Lower Upper

101 100

103 63.9 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): VV012277.D (-200) (-)

Ion 103.00 (102.70 to 103.70): VV012277.D (-200) (-)

1.77

12000

10000

8000

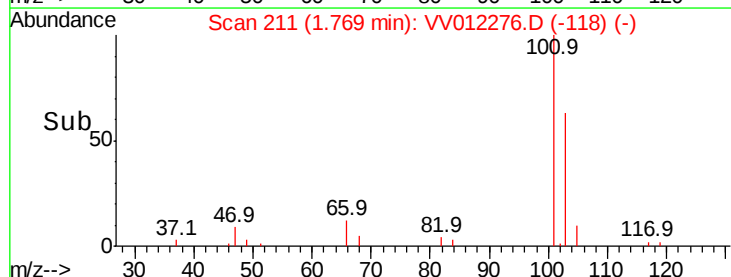
6000

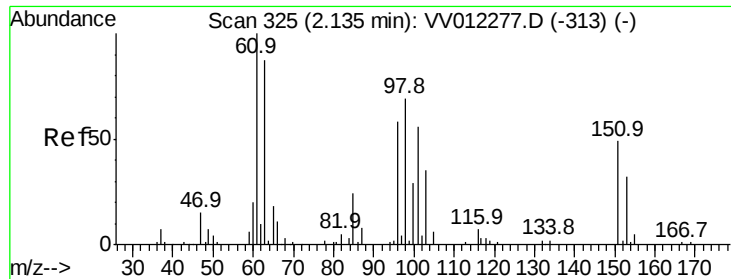
4000

2000

0

Time-->





#10

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

Concen: 0.793 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV012276.D

Acq: 19 Aug 2019 13:29

Instrument :
MSVOA_V
ClientSampleId :

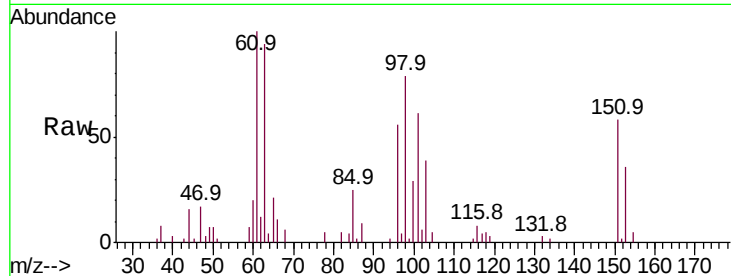
Tot Ion:101 Resp: 6055

Ion Ratio Lower Upper

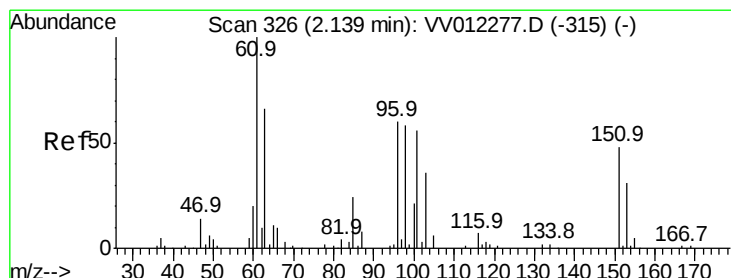
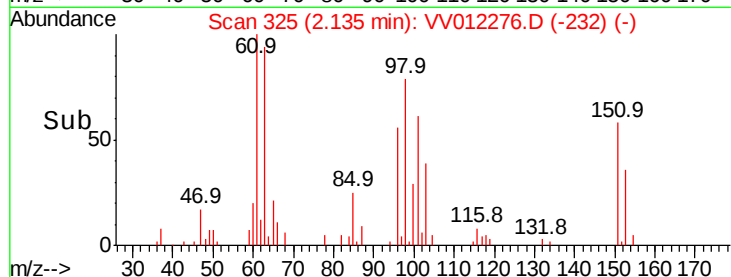
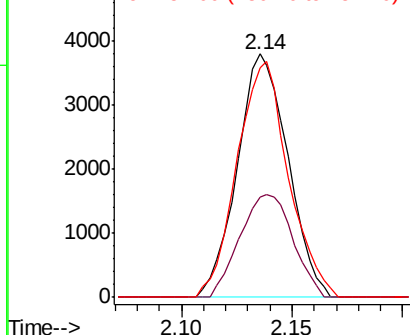
101 100

85 44.0 34.9 52.3

151 98.4 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: 0.785 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV012276.D

Acq: 19 Aug 2019 13:29

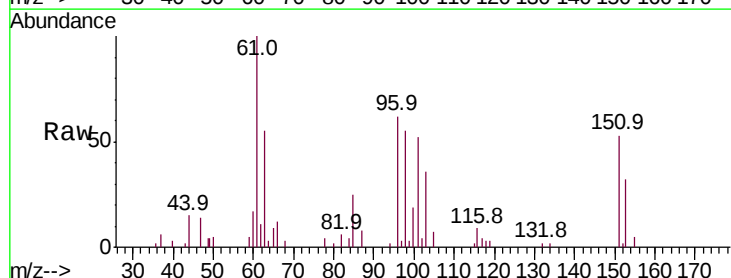
Tgt Ion: 96 Resp: 5562

Ion Ratio Lower Upper

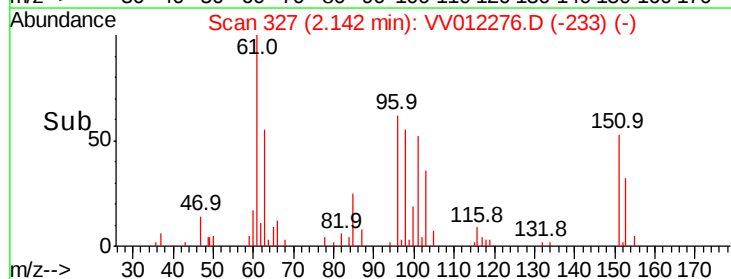
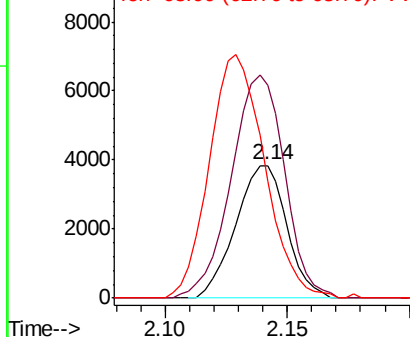
96 100

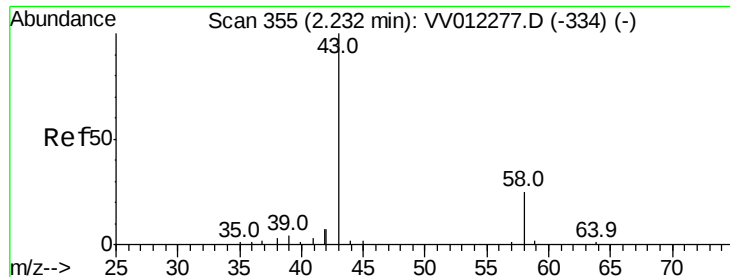
61 160.6 117.7 218.7

63 88.2 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: 8.134 ug/L

RT: 2.25 min Scan# 360

Delta R.T. 0.02 min

Lab File: VV012276.D

Acq: 19 Aug 2019 13:29

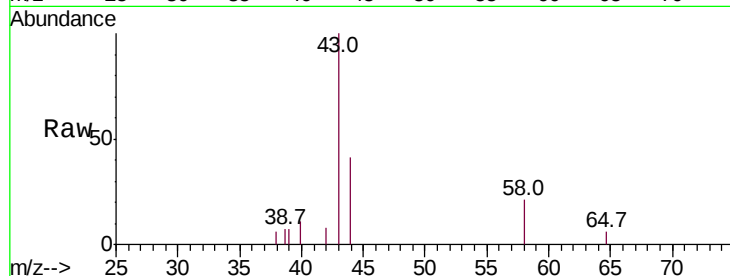
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 8894

Ion Ratio Lower Upper

43 100

58 17.7 0.0 25.6



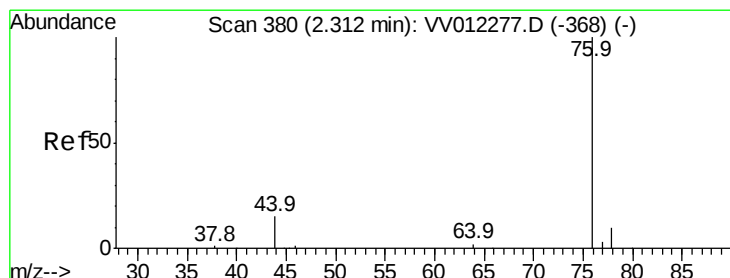
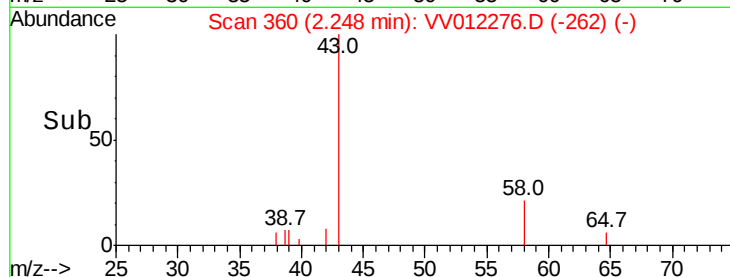
Abundance Ion 43.05 (42.75 to 43.75): VV012277.D (-334) (-)

Ion 58.05 (57.75 to 58.75): VV012277.D (-334) (-)

2.25

2.30

Time-->



#14

Carbon disulfide

Concen: 0.778 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV012276.D

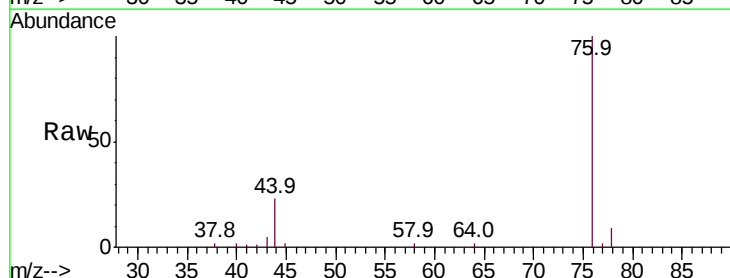
Acq: 19 Aug 2019 13:29

Tgt Ion: 76 Resp: 15696

Ion Ratio Lower Upper

76 100

78 9.0 8.3 12.5



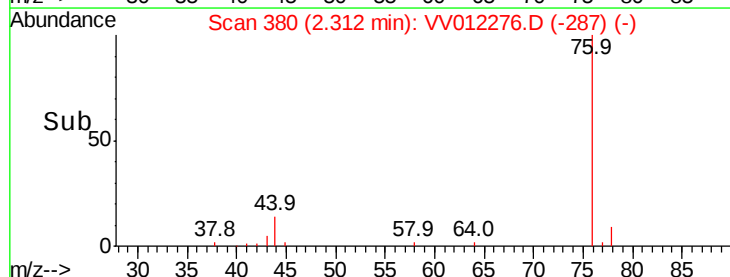
Abundance Ion 76.05 (75.75 to 76.75): VV012277.D (-368) (-)

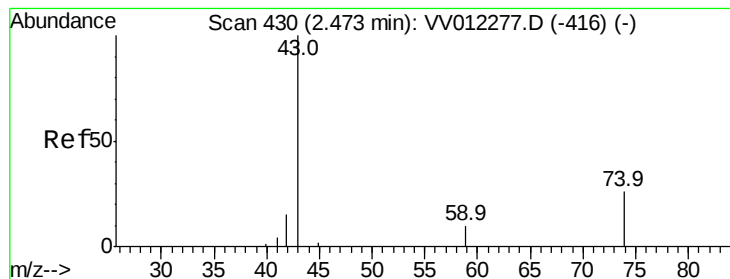
Ion 78.00 (77.70 to 78.70): VV012277.D (-368) (-)

2.31

2.35

Time-->





#15

Methyl Acetate

Concen: 0.793 ug/L

RT: 2.48 min Scan# 432

Delta R.T. 0.01 min

Lab File: VV012276.D

Acq: 19 Aug 2019 13:29

Instrument :

MSVOA_V

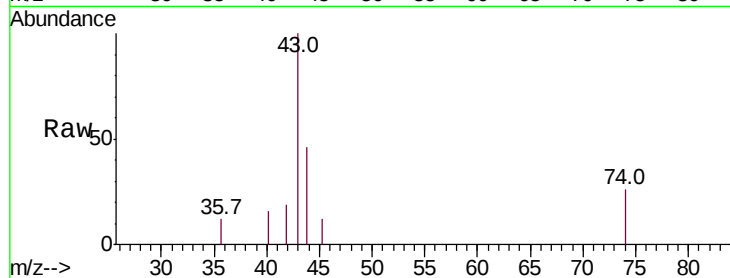
ClientSampleId :

Tot Ion: 43 Resp: 2089

Ion Ratio Lower Upper

43 100

74 22.5 24.9 37.3#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

2.48

800

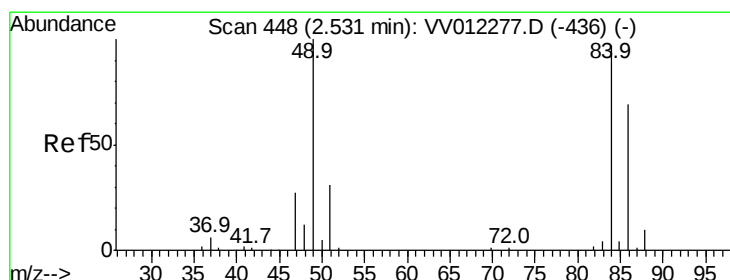
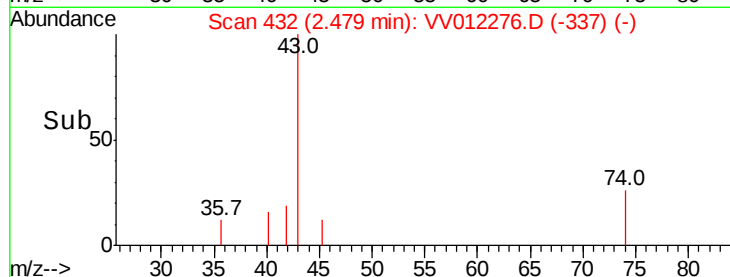
600

400

200

0

Time--> 2.40 2.45 2.50



#16

Methylene chloride

Concen: 0.877 ug/L

RT: 2.53 min Scan# 448

Delta R.T. 0.00 min

Lab File: VV012276.D

Acq: 19 Aug 2019 13:29

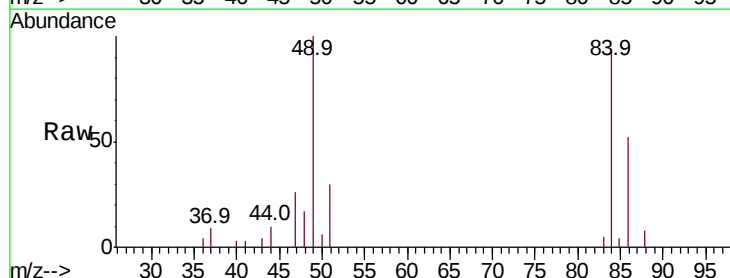
Tgt Ion: 84 Resp: 6497

Ion Ratio Lower Upper

84 100

86 56.6 49.5 91.9

49 107.9 72.1 133.9



Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

6000

5000

4000

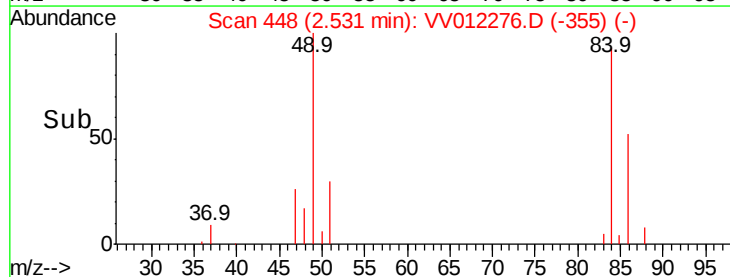
3000

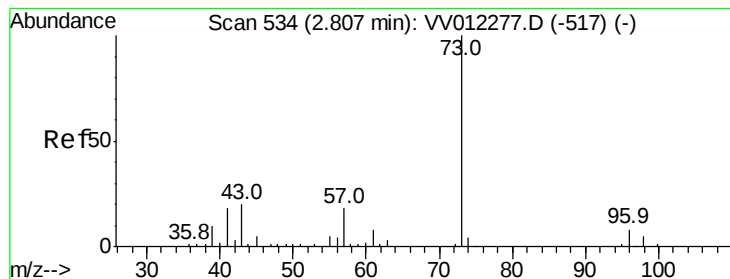
2000

1000

0

Time--> 2.50 2.55 2.60



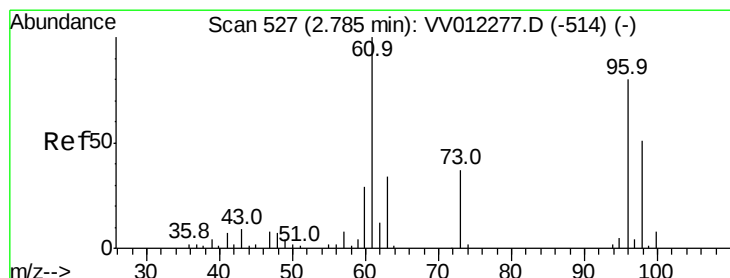
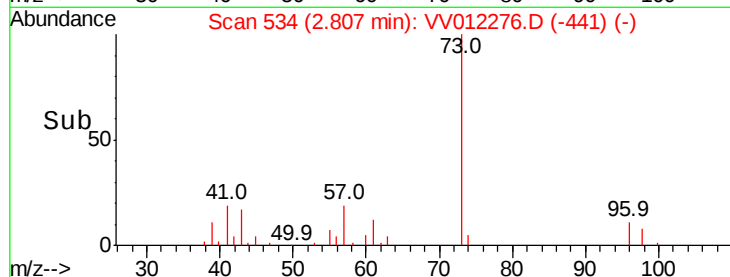
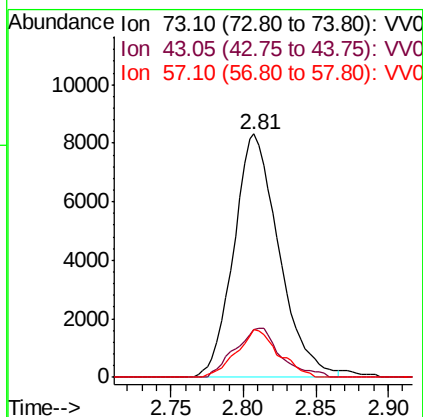
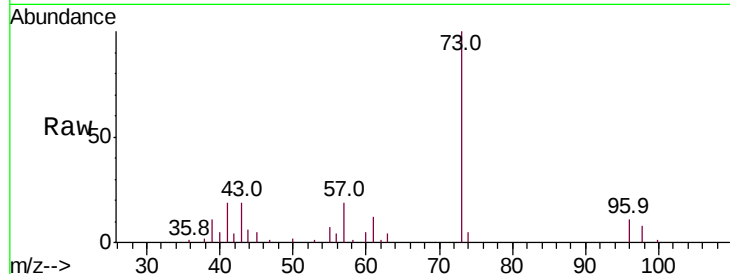


#17

Methvl tert-butvl Ether
 Concen: 0.921 ug/L
 RT: 2.81 min Scan# 534
 Delta R.T. 0.00 min
 Lab File: VV012276.D
 Acq: 19 Aug 2019 13:29

Instrument :
 MSVOA_V
 ClientSampled :

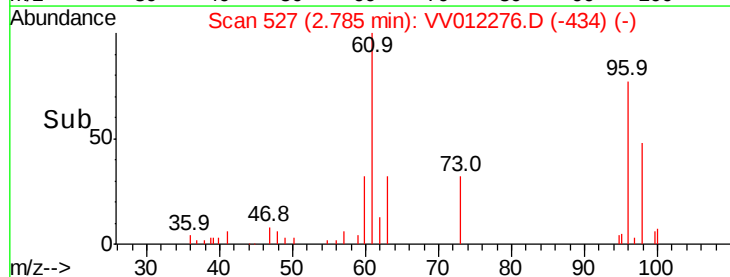
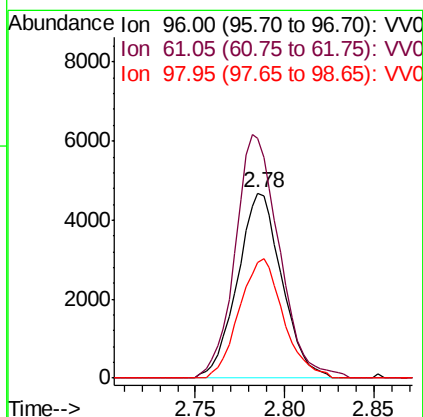
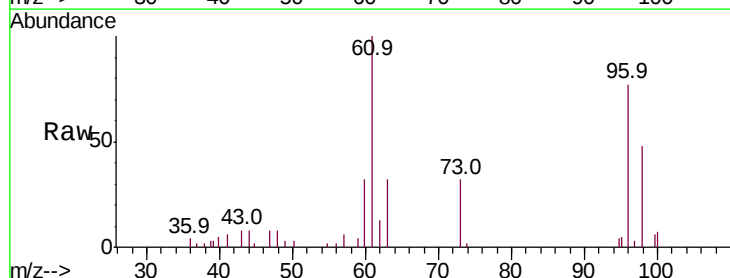
Tot Ion: 73 Resp: 17992
 Ion Ratio Lower Upper
 73 100
 43 20.4 17.0 25.4
 57 18.2 15.8 23.6

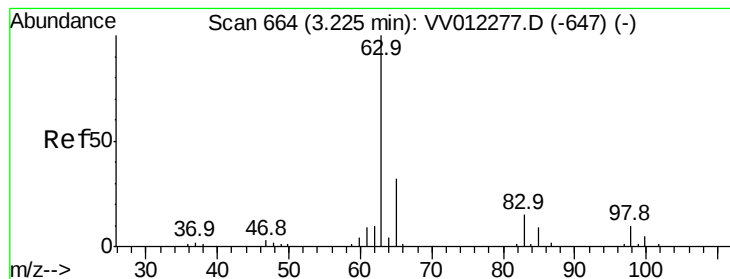


#18

trans-1,2-Dichloroethene
 Concen: 0.870 ug/L
 RT: 2.78 min Scan# 527
 Delta R.T. 0.00 min
 Lab File: VV012276.D
 Acq: 19 Aug 2019 13:29

Tgt Ion: 96 Resp: 8146
 Ion Ratio Lower Upper
 96 100
 61 129.7 87.4 162.2
 98 62.4 44.7 82.9





#19

1,1-Dichloroethane

Concen: 0.829 ug/L

RT: 3.23 min Scan# 664

Delta R.T. 0.00 min

Lab File: VV012276.D

Acq: 19 Aug 2019 13:29

Instrument :
MSVOA_V
ClientSampleId :

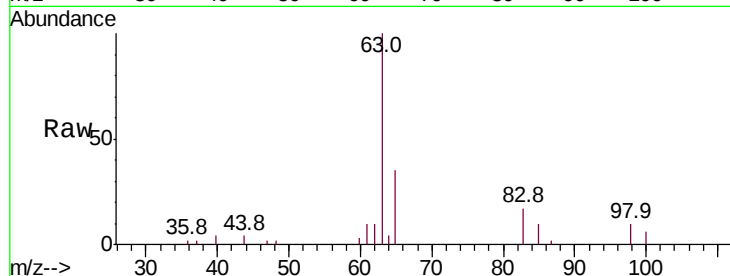
Tot Ion: 63 Resp: 14036

Ion Ratio Lower Upper

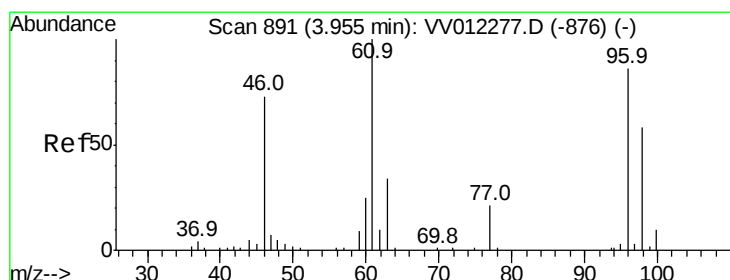
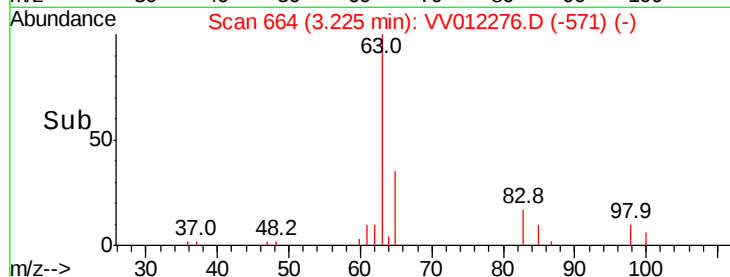
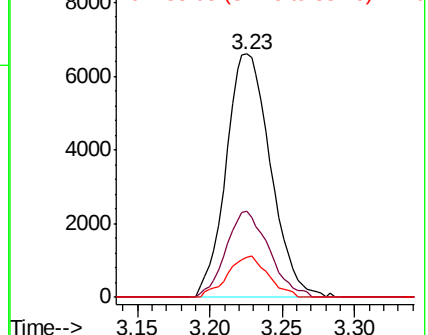
63 100

65 35.2 22.7 42.1

83 16.7 10.5 19.5



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 65.10 (64.80 to 65.80): VV0
Ion 83.05 (82.75 to 83.75): VV0



#22

cis-1,2-Dichloroethene

Concen: 0.843 ug/L

RT: 3.96 min Scan# 893

Delta R.T. 0.01 min

Lab File: VV012276.D

Acq: 19 Aug 2019 13:29

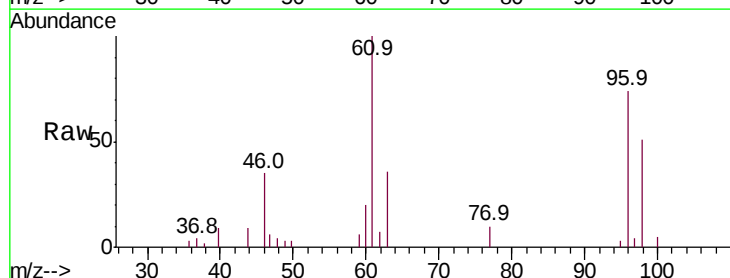
Tgt Ion: 96 Resp: 8620

Ion Ratio Lower Upper

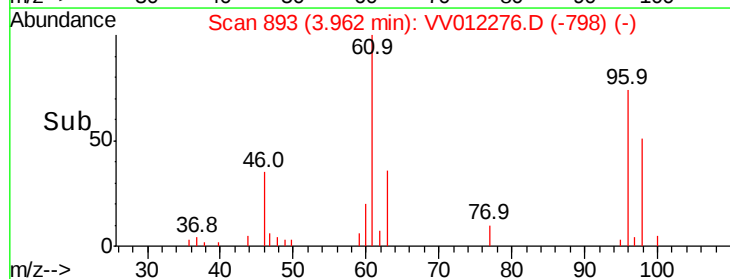
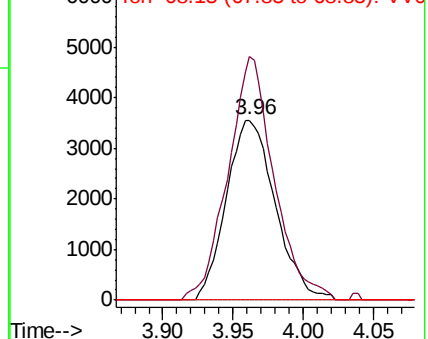
96 100

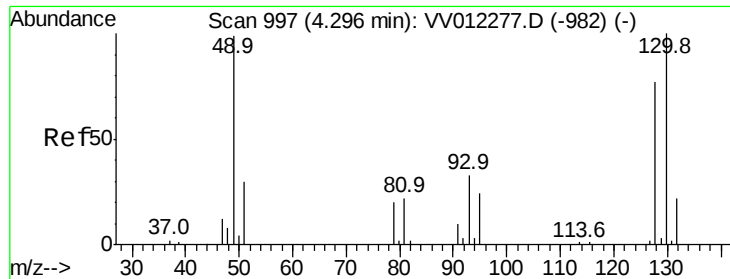
61 135.4 81.6 151.6

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

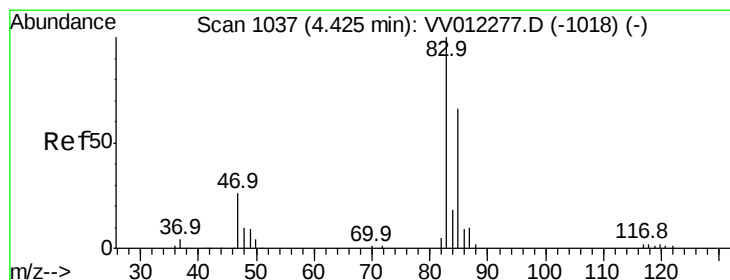
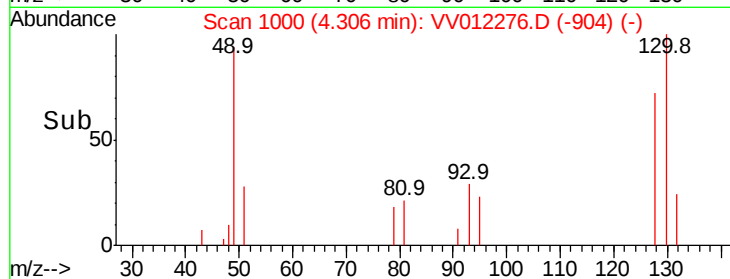
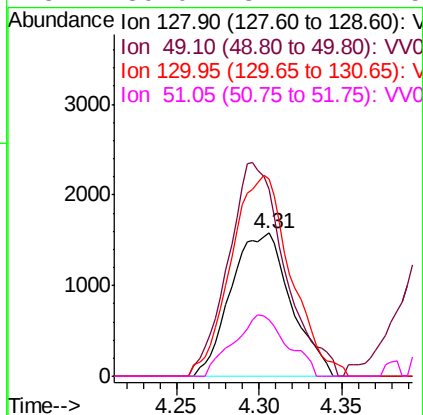
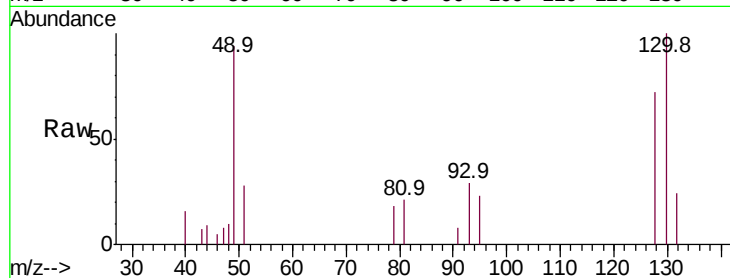




#23
 Bromochloromethane
 Concen: 0.905 ug/L
 RT: 4.31 min Scan# 1000
 Delta R.T. 0.01 min
 Lab File: VV012276.D
 Acq: 19 Aug 2019 13:29

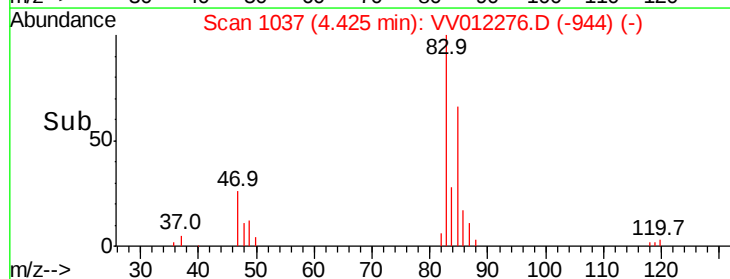
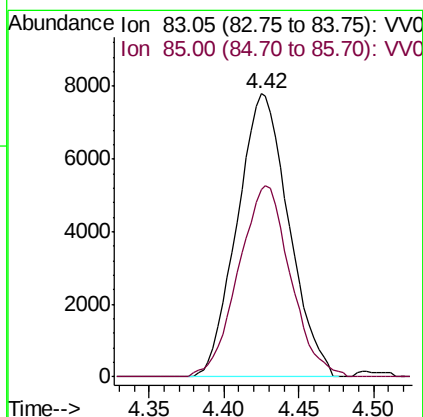
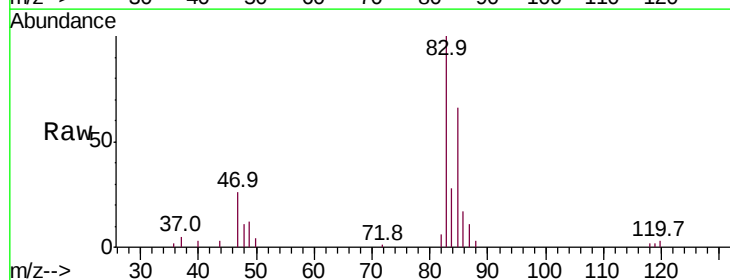
Instrument :
 MSVOA_V
 ClientSampleId :

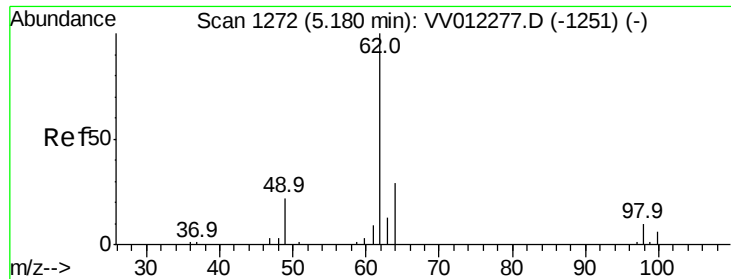
Tot Ion:	128	Resp:	3990
Ion	Ratio	Lower	Upper
128	100		
49	130.4	90.2	167.6
130	138.1	91.2	169.4
51	39.0	31.7	47.5



#25
 Chloroform
 Concen: 0.957 ug/L
 RT: 4.42 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: VV012276.D
 Acq: 19 Aug 2019 13:29

Tgt Ion:	83	Resp:	18724
Ion	Ratio	Lower	Upper
83	100		
85	66.1	46.1	85.5

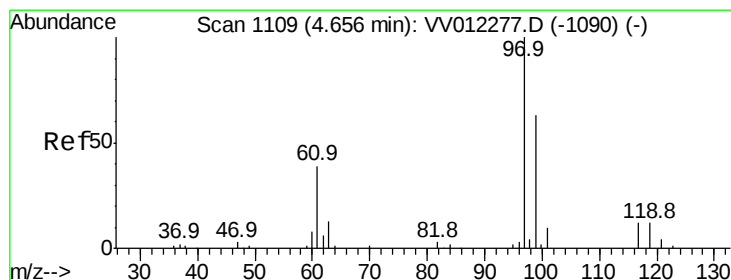
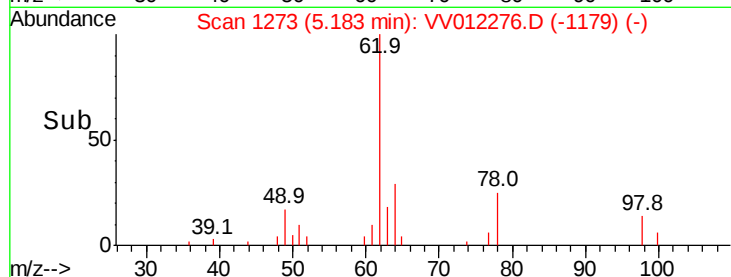
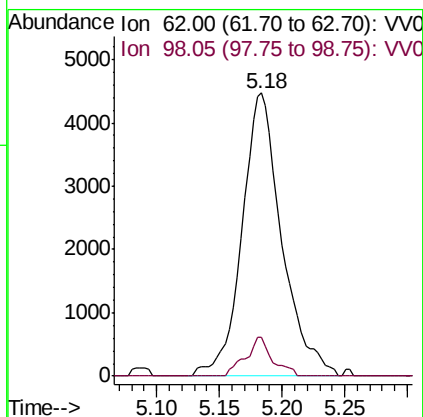
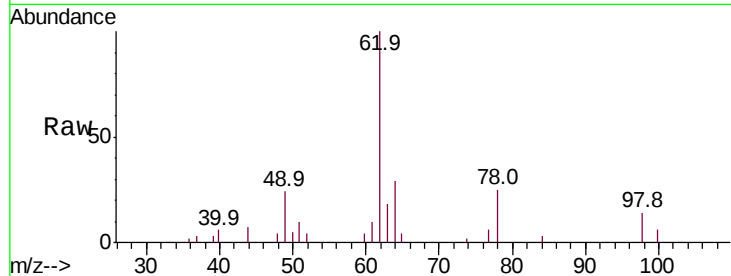




#27
 1,2-Dichloroethane
 Concen: 0.911 ug/L
 RT: 5.18 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: VV012276.D
 Acq: 19 Aug 2019 13:29

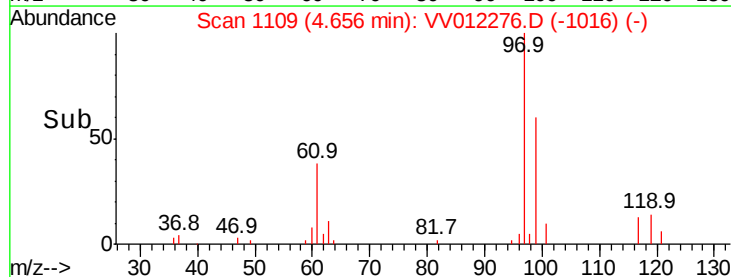
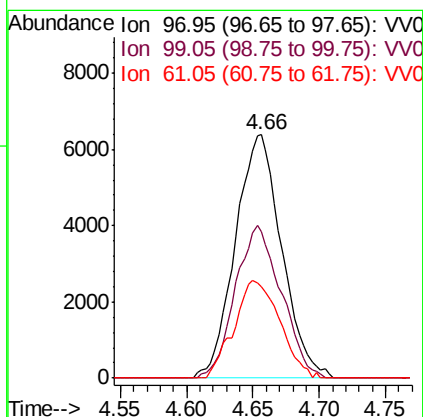
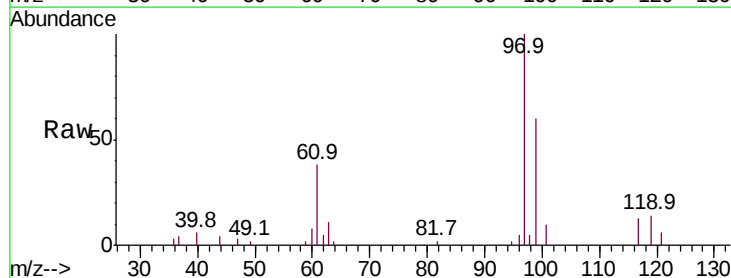
Instrument :
 MSVOA_V
 ClientSampleId :

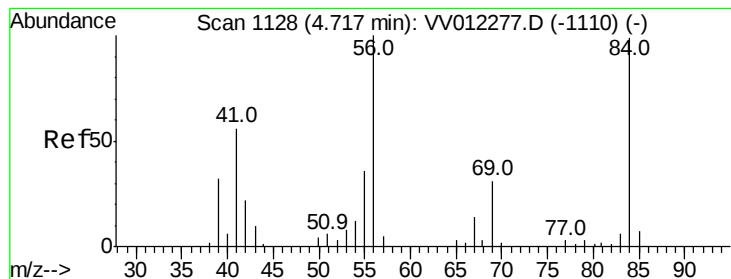
Tot Ion: 62 Resp: 9889
 Ion Ratio Lower Upper
 62 100
 98 13.6 7.6 11.4#



#29
 1,1,1-Trichloroethane
 Concen: 0.988 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. 0.00 min
 Lab File: VV012276.D
 Acq: 19 Aug 2019 13:29

Tgt Ion: 97 Resp: 15532
 Ion Ratio Lower Upper
 97 100
 99 62.1 51.7 77.5
 61 39.8 31.7 47.5





#30

Cyclohexane

Concen: 0.789 ug/L

RT: 4.72 min Scan# 1129

Delta R.T. 0.00 min

Lab File: VV012276.D

Acq: 19 Aug 2019 13:29

Instrument :
MSVOA_V
ClientSampleId :

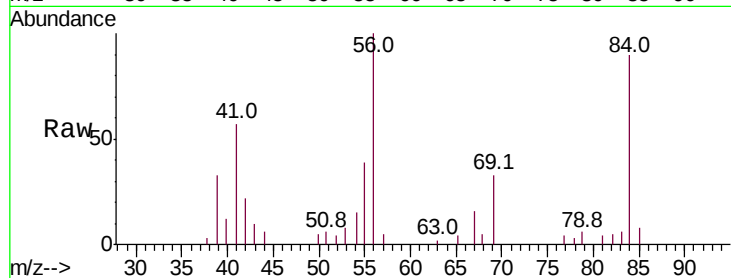
Tot Ion: 56 Resp: 11613

Ion Ratio Lower Upper

56 100

69 33.1 25.3 37.9

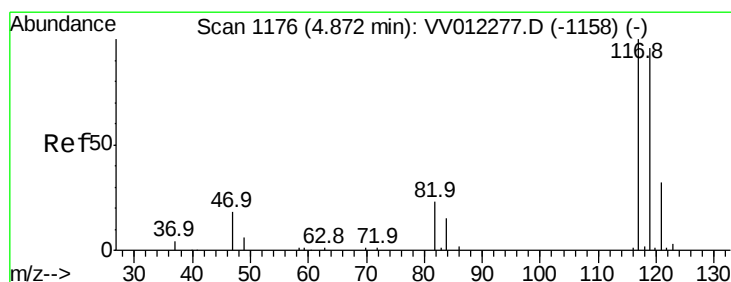
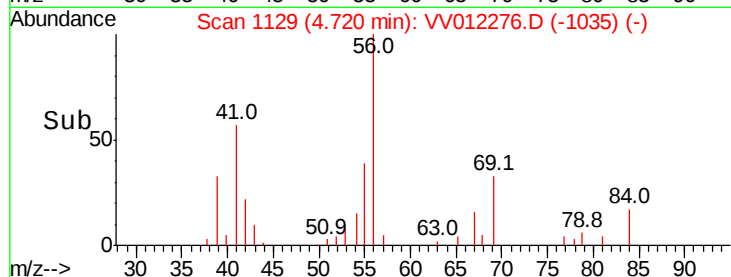
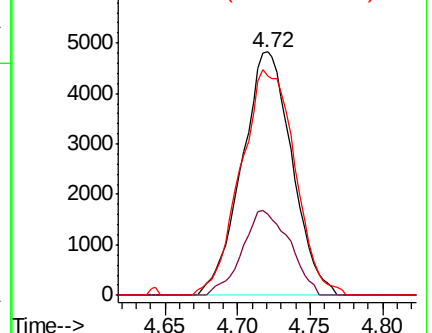
84 99.9 79.9 119.9



Abundance Ion 56.10 (55.80 to 56.80): VV012277.D (-1110) (-)

Ion 69.15 (68.85 to 69.85): VV012277.D (-1110) (-)

Ion 84.15 (83.85 to 84.85): VV012277.D (-1110) (-)



#31

Carbon tetrachloride

Concen: 1.038 ug/L

RT: 4.87 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VV012276.D

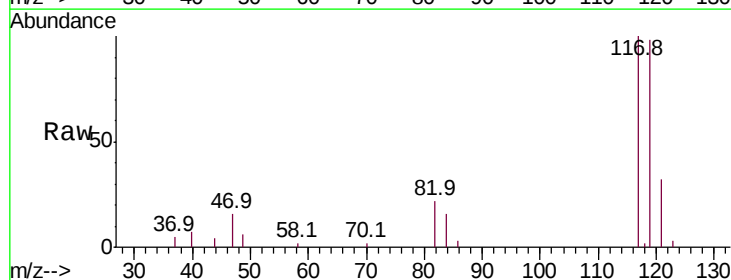
Acq: 19 Aug 2019 13:29

Tgt Ion: 117 Resp: 14866

Ion Ratio Lower Upper

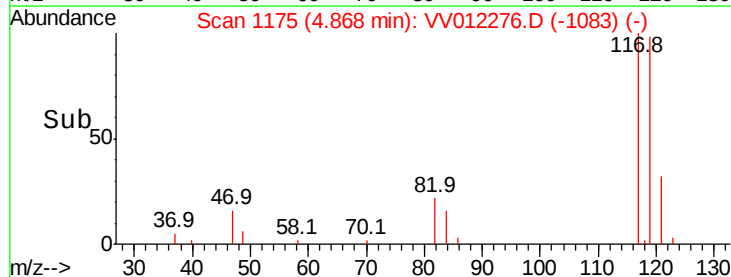
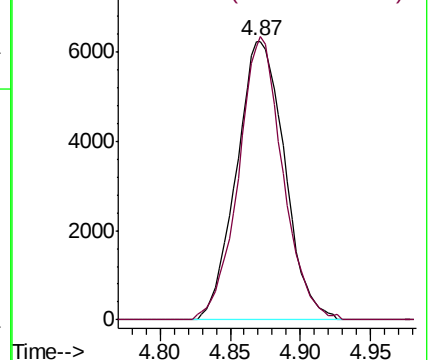
117 100

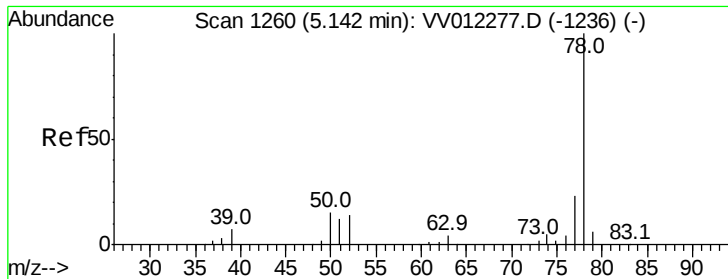
119 93.7 77.6 116.4



Abundance Ion 116.90 (116.60 to 117.60): VV012277.D (-1158) (-)

Ion 118.90 (118.60 to 119.60): VV012277.D (-1158) (-)

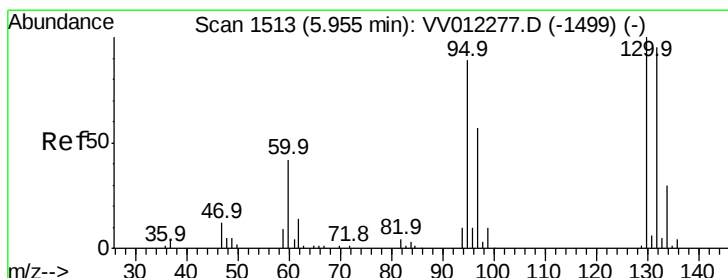
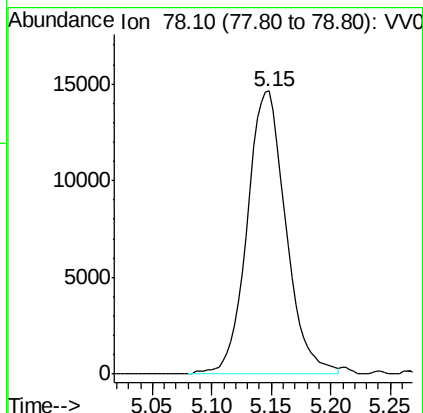
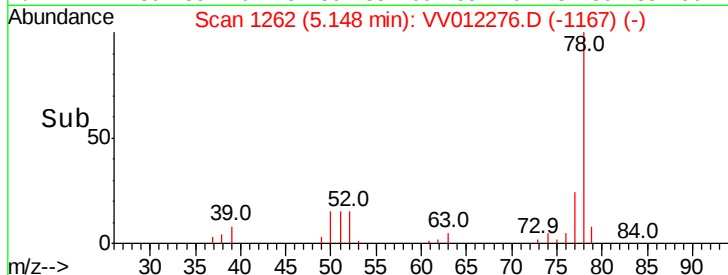
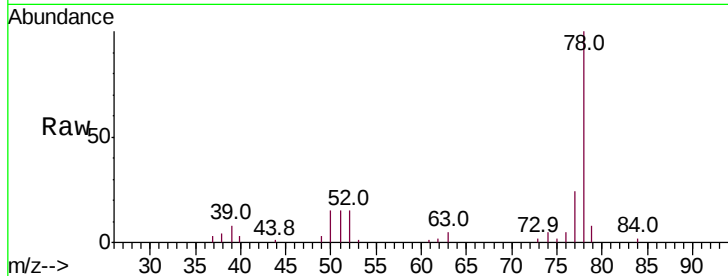




#33
Benzene
Concen: 0.886 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. 0.01 min
Lab File: VV012276.D
Acq: 19 Aug 2019 13:29

Instrument :
MSVOA_V
ClientSampleId :

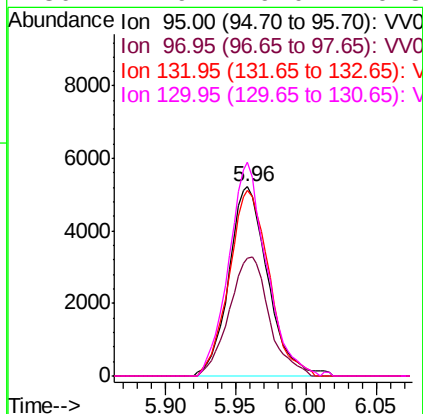
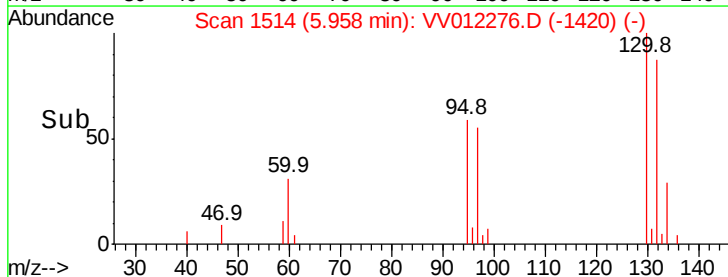
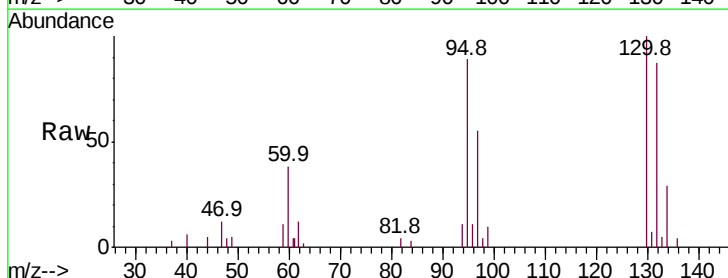
Tgt Ion: 78 Resp: 32976

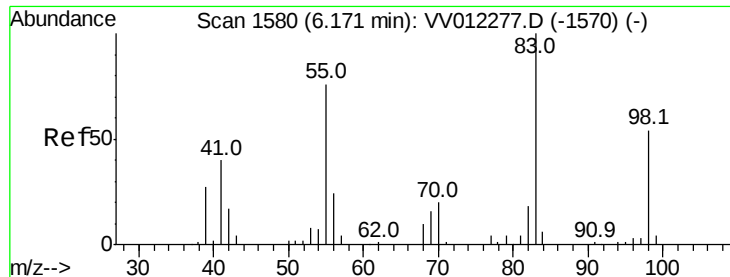


#34
Trichloroethene
Concen: 0.980 ug/L
RT: 5.96 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VV012276.D
Acq: 19 Aug 2019 13:29

Tgt Ion: 95 Resp: 10094

Ion	Ratio	Lower	Upper
95	100		
97	62.6	44.9	83.5
132	98.3	74.9	139.1
130	112.9	79.0	146.8

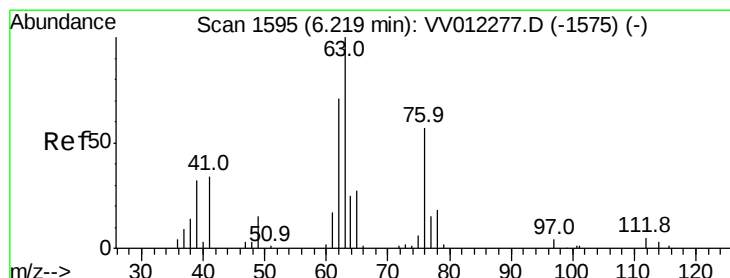
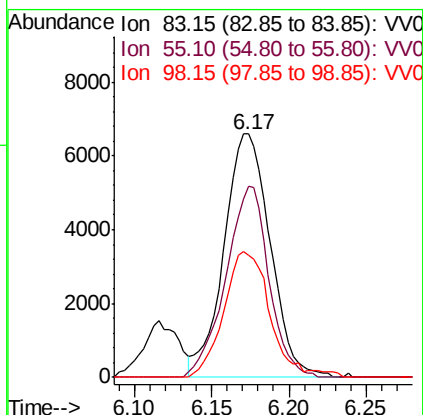
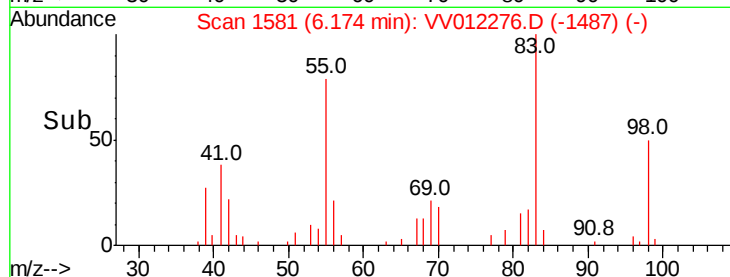
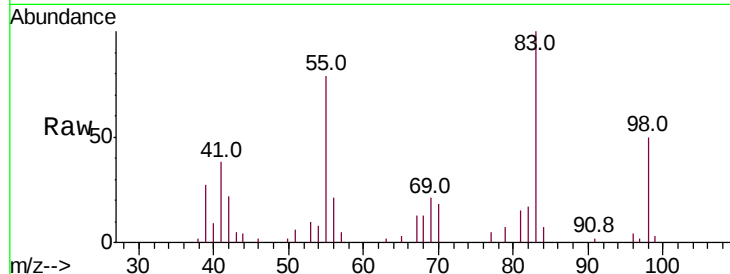




#35
Methvlcvclohexane
Concen: 0.867 ug/L
RT: 6.17 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VV012276.D
Acq: 19 Aug 2019 13:29

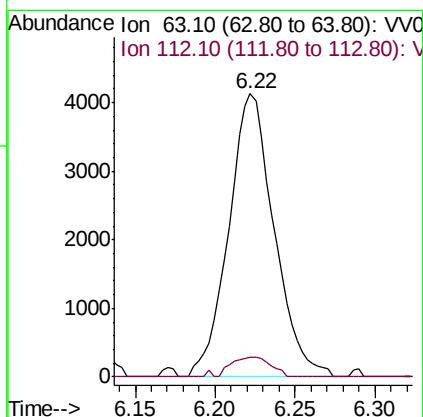
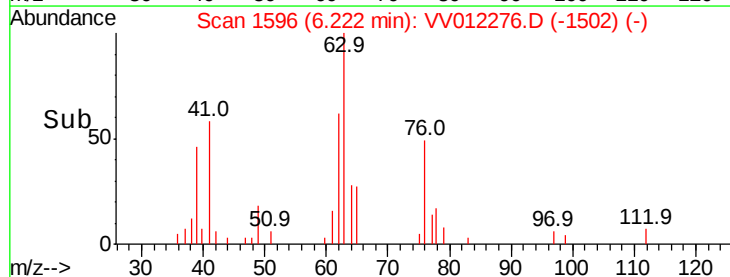
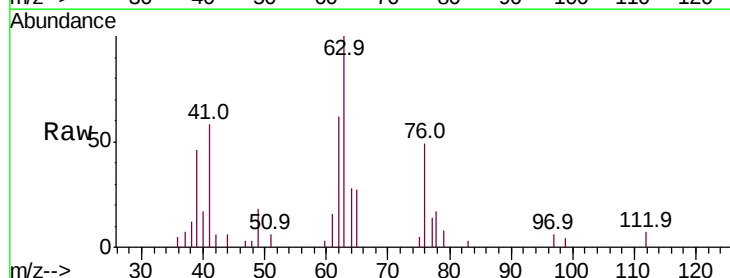
Instrument :
MSVOA_V
ClientSampled :

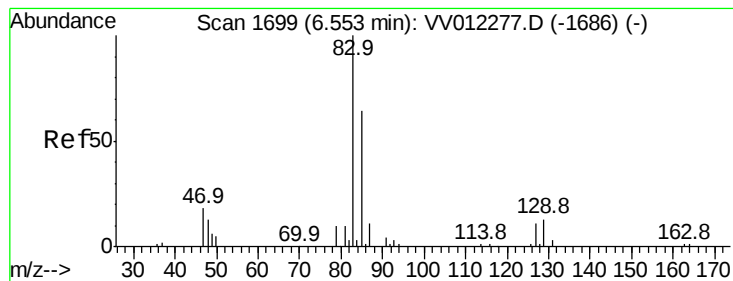
Tot Ion: 83 Resp: 13689
Ion Ratio Lower Upper
83 100
55 72.9 57.3 85.9
98 50.6 40.3 60.5



#37
1,2-Dichloropropane
Concen: 0.871 ug/L
RT: 6.22 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VV012276.D
Acq: 19 Aug 2019 13:29

Tgt Ion: 63 Resp: 7985
Ion Ratio Lower Upper
63 100
112 6.0 5.1 7.7





#38

Bromodichloromethane

Concen: 0.893 ug/L

RT: 6.56 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VV012276.D

Acq: 19 Aug 2019 13:29

Instrument :

MSVOA_V

ClientSampleId :

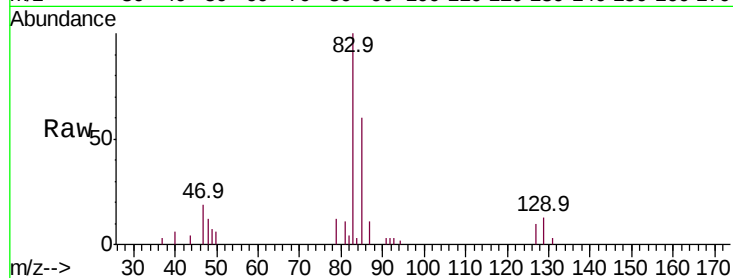
Tot Ion: 83 Resp: 10992

Ion Ratio Lower Upper

83 100

85 59.8 44.5 82.7

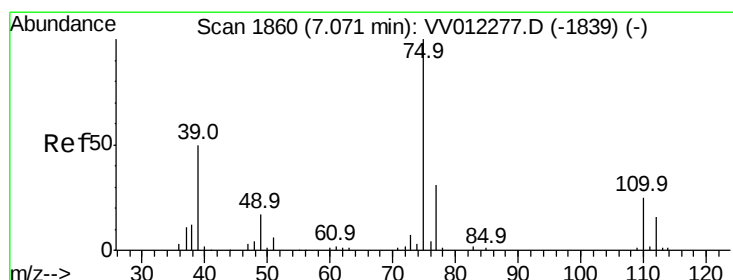
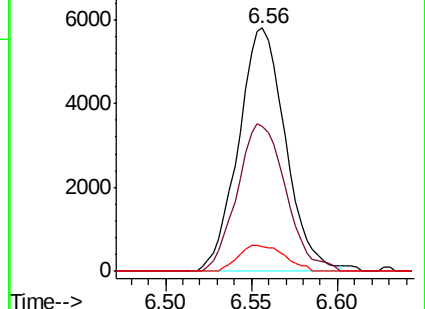
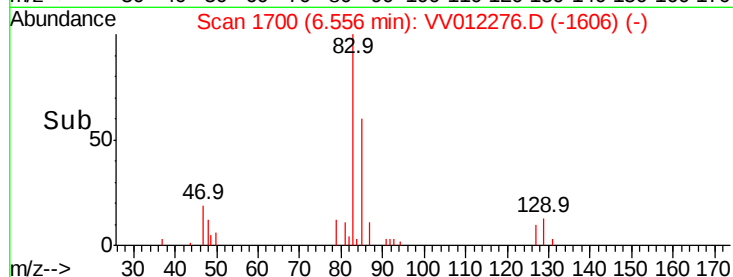
127 10.3 8.9 13.3



Abundance Ion 82.95 (82.65 to 83.65): VV012277.D (-1686) (-)

Ion 85.00 (84.70 to 85.70): VV012277.D (-1686) (-)

Ion 126.90 (126.60 to 127.60): VV012277.D (-1686) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.859 ug/L

RT: 7.07 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VV012276.D

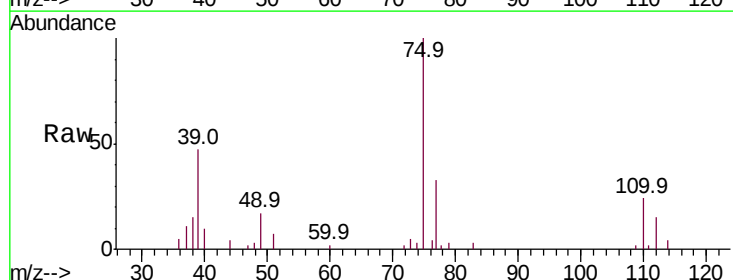
Acq: 19 Aug 2019 13:29

Tgt Ion: 75 Resp: 11206

Ion Ratio Lower Upper

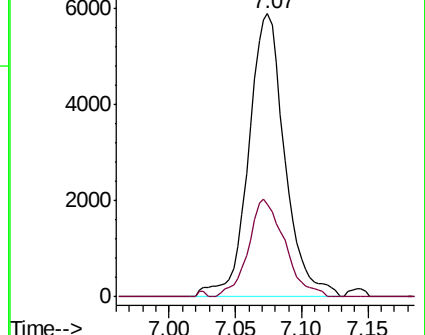
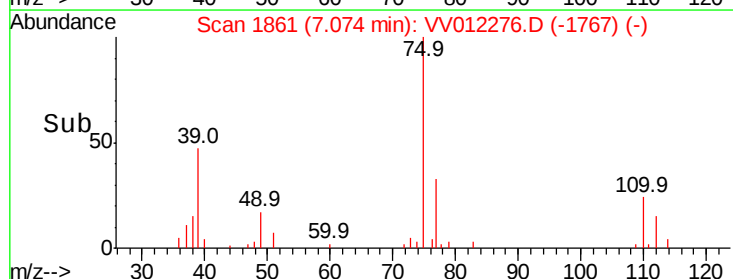
75 100

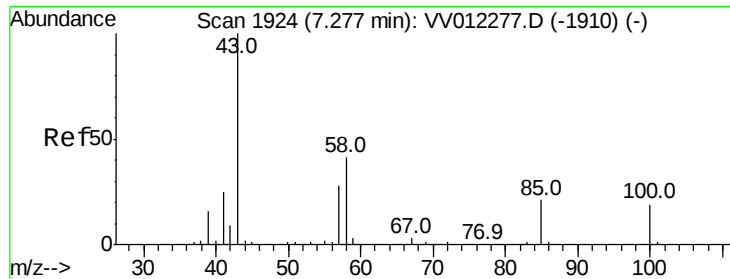
77 32.8 21.5 39.9



Abundance Ion 75.05 (74.75 to 75.75): VV012277.D (-1839) (-)

Ion 77.05 (76.75 to 77.75): VV012277.D (-1839) (-)

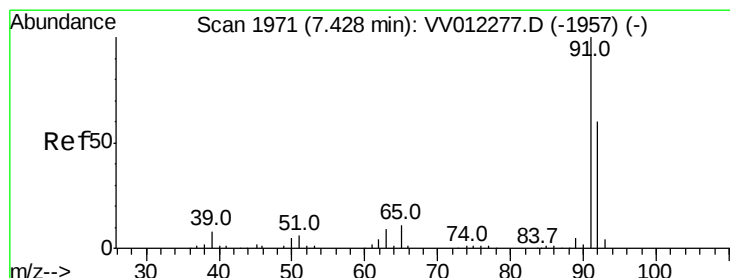
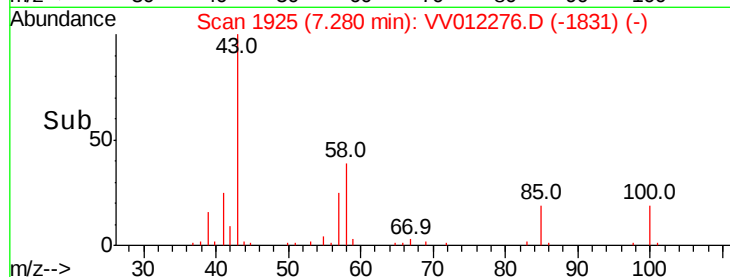
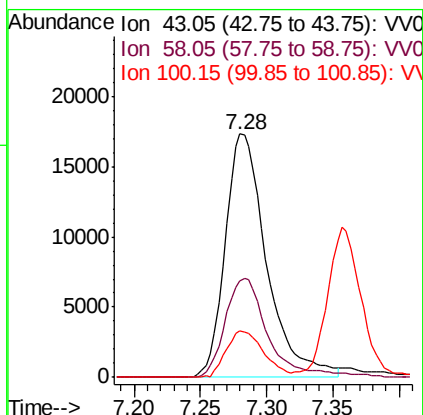
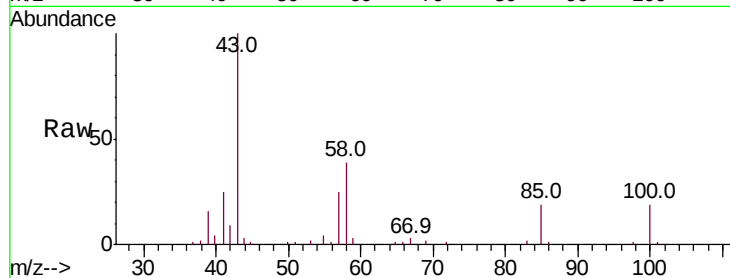




#40
4-Methyl-2-pentanone
Concen: 7.506 ug/L
RT: 7.28 min Scan# 1925
Delta R.T. 0.00 min
Lab File: VV012276.D
Acq: 19 Aug 2019 13:29

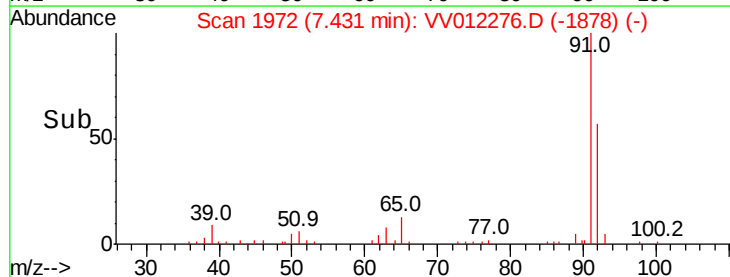
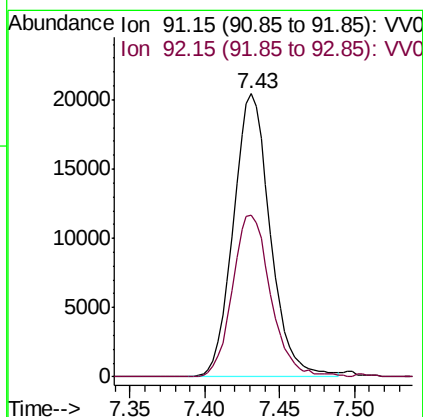
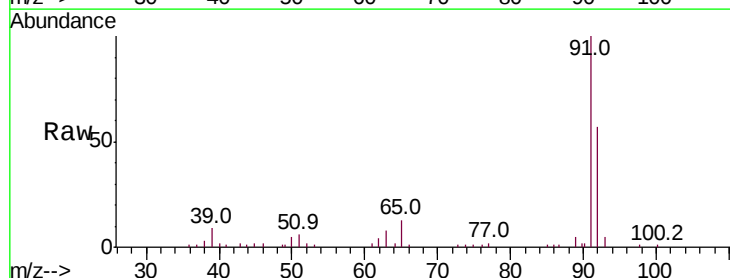
Instrument :
MSVOA_V
ClientSampleId :

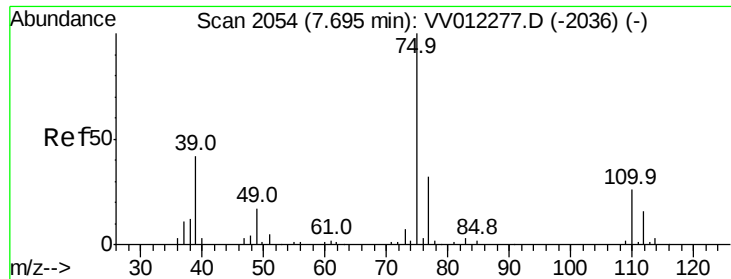
Tot Ion: 43 Resp: 37630
Ion Ratio Lower Upper
43 100
58 42.2 32.1 48.1
100 17.3 15.2 22.8



#42
Toluene
Concen: 0.876 ug/L
RT: 7.43 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VV012276.D
Acq: 19 Aug 2019 13:29

Tgt Ion: 91 Resp: 35149
Ion Ratio Lower Upper
91 100
92 57.0 41.6 77.3





#44

trans-1,3-Dichloropropene

Concen: 0.821 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV012276.D

Acq: 19 Aug 2019 13:29

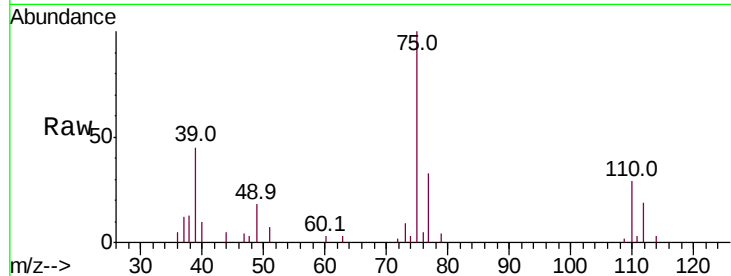
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 75 Resp: 8529

Ion Ratio Lower Upper

75 100

77 33.5 22.1 41.1

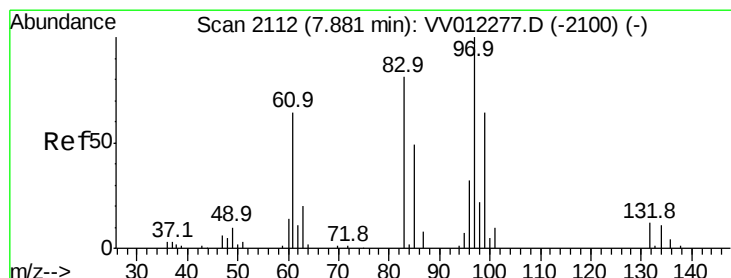
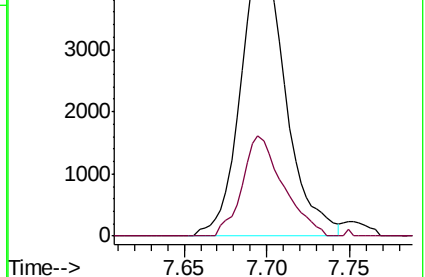
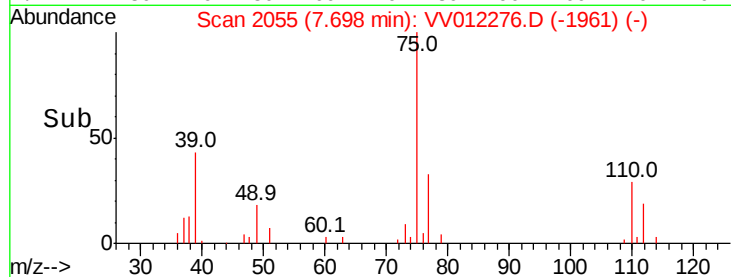


Abundance Ion 75.05 (74.75 to 75.75): VV012277.D (-2036) (-)

Ion 77.05 (76.75 to 77.75): VV012277.D (-2036) (-)

7.70

Time-->



#45

1,1,2-Trichloroethane

Concen: 0.907 ug/L

RT: 7.88 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VV012276.D

Acq: 19 Aug 2019 13:29

Tgt Ion: 97 Resp: 5724

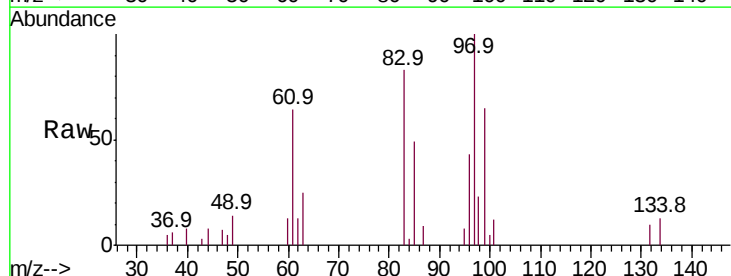
Ion Ratio Lower Upper

97 100

99 65.2 44.7 83.1

83 83.1 56.8 105.6

85 49.1 34.5 64.1



Abundance Ion 96.95 (96.65 to 97.65): VV012277.D (-2100) (-)

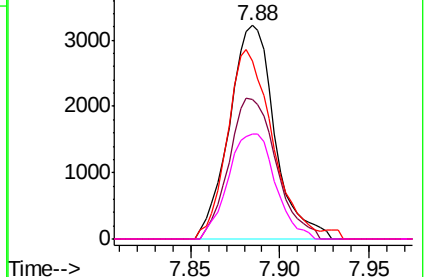
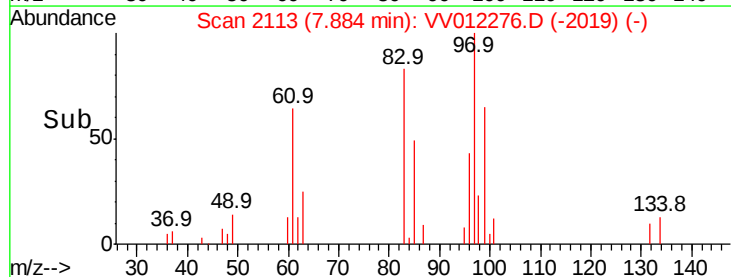
Ion 99.05 (98.75 to 99.75): VV012277.D (-2100) (-)

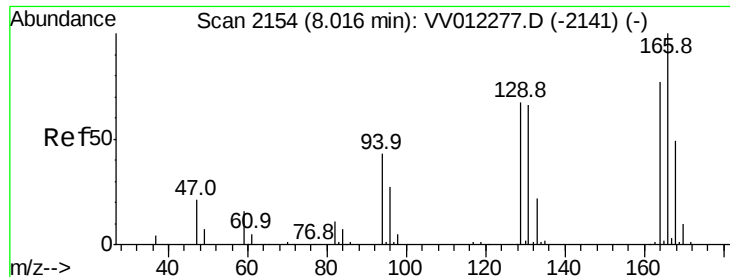
Ion 82.95 (82.65 to 83.65): VV012277.D (-2100) (-)

Ion 85.00 (84.70 to 85.70): VV012277.D (-2100) (-)

7.88

Time-->





#47

Tetrachloroethene

Concen: 0.955 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV012276.D

Acq: 19 Aug 2019 13:29

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:164 Resp: 8302

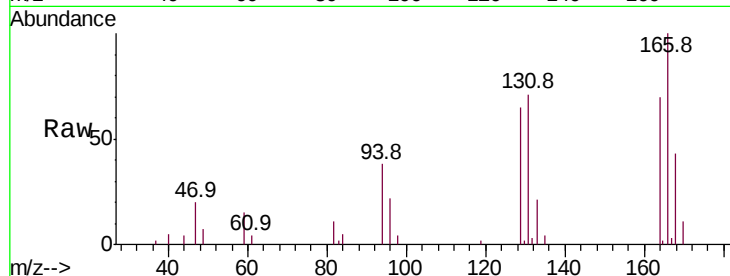
Ion Ratio Lower Upper

164 100

129 92.4 60.8 112.8

131 101.8 59.4 110.2

166 142.7 90.4 167.8



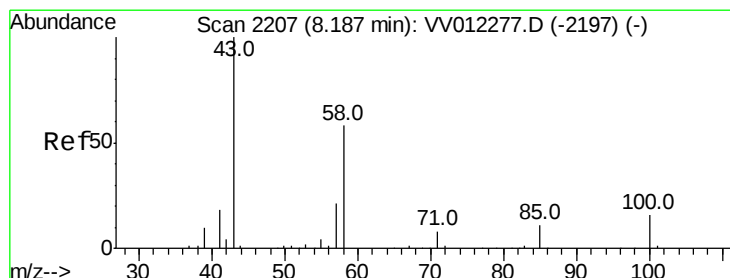
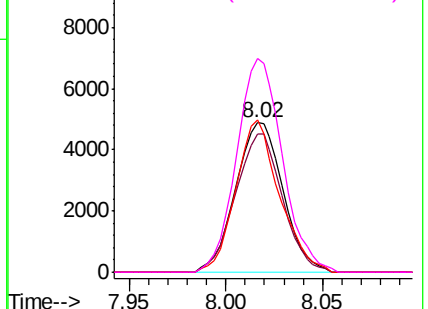
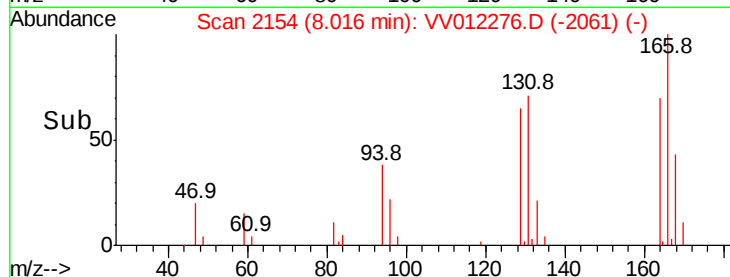
Abundance

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: 7.813 ug/L

RT: 8.19 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VV012276.D

Acq: 19 Aug 2019 13:29

Tgt Ion: 43 Resp: 27461

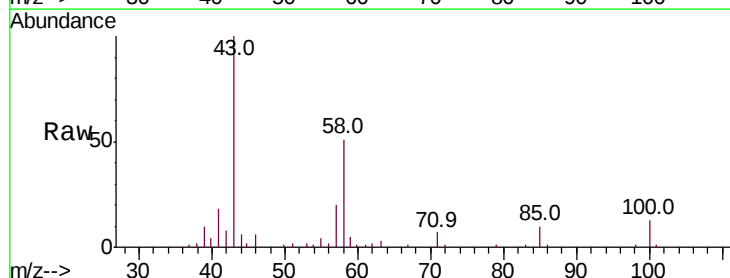
Ion Ratio Lower Upper

43 100

58 57.2 45.4 68.2

57 21.6 16.8 25.2

100 14.9 12.2 18.2



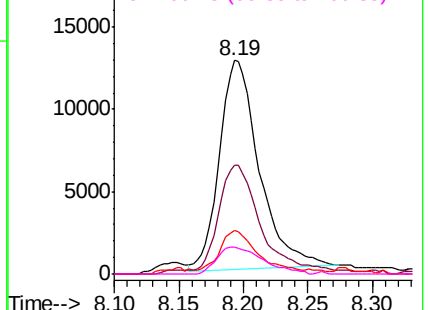
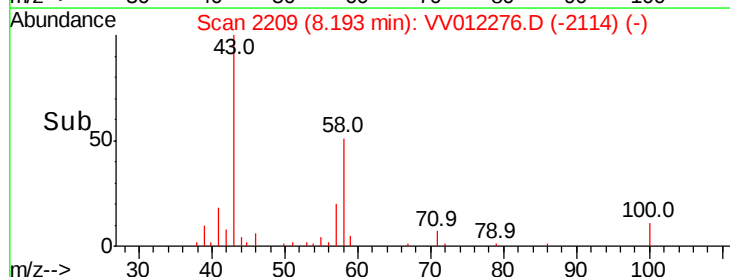
Abundance

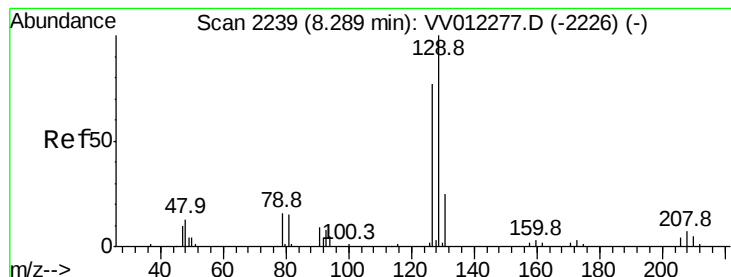
Ion 43.05 (42.75 to 43.75): VV0

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: 0.907 ug/L

RT: 8.29 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VV012276.D

Acq: 19 Aug 2019 13:29

Instrument :

MSVOA_V

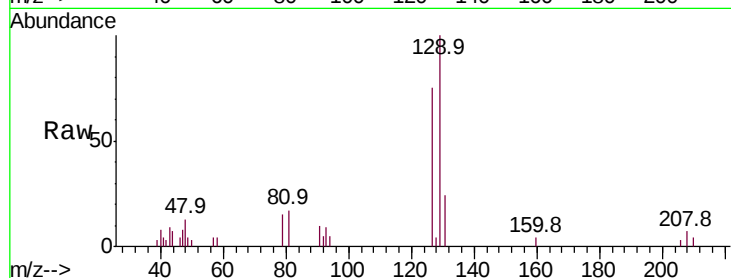
ClientSampleId :

Tot Ion:129 Resp: 7251

Ion Ratio Lower Upper

129 100

127 75.2 53.9 100.1



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.29

4000

3000

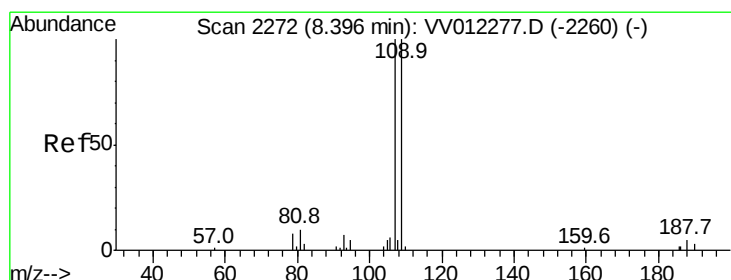
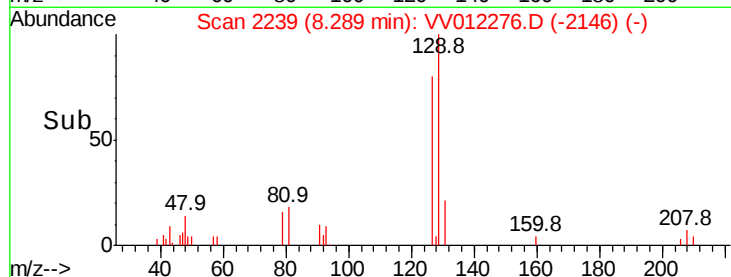
2000

1000

0

8.25 8.30 8.35

Time-->



#50

1,2-Dibromoethane

Concen: 0.907 ug/L

RT: 8.40 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VV012276.D

Acq: 19 Aug 2019 13:29

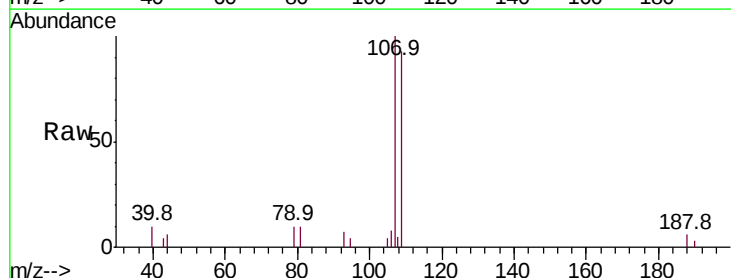
Tgt Ion:107 Resp: 5505

Ion Ratio Lower Upper

107 100

109 92.8 70.0 130.0

188 5.5 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

8.40

4000

3000

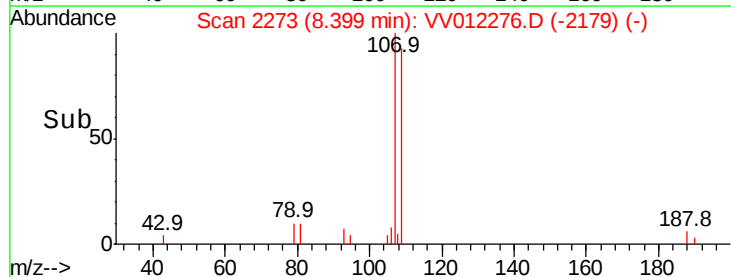
2000

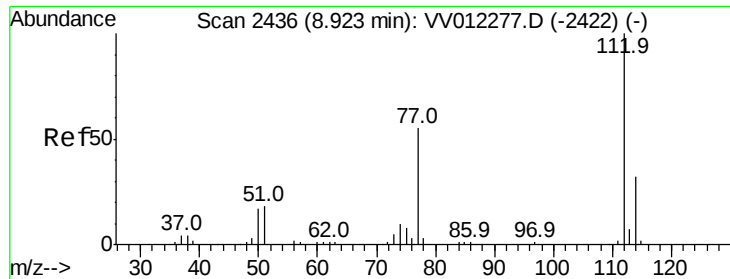
1000

0

8.35 8.40 8.45

Time-->

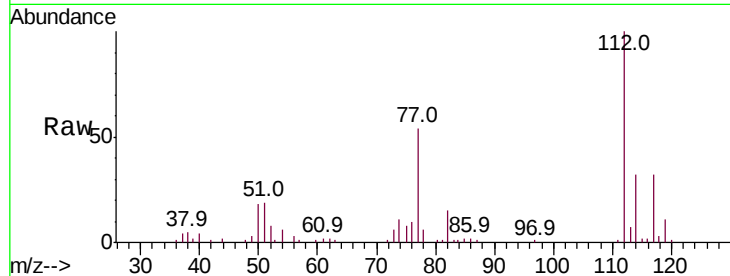




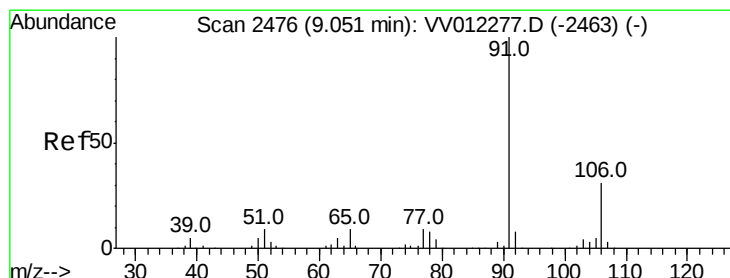
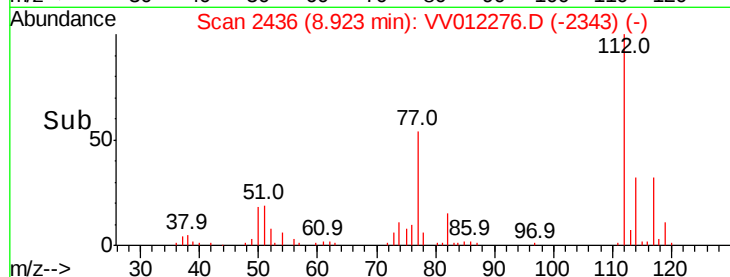
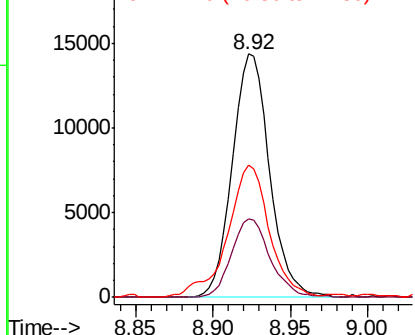
#51
Chlorobenzene
Concen: 0.917 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV012276.D
Acq: 19 Aug 2019 13:29

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:112 Resp: 24063
Ion Ratio Lower Upper
112 100
114 32.2 22.3 41.5
77 54.3 43.9 65.9

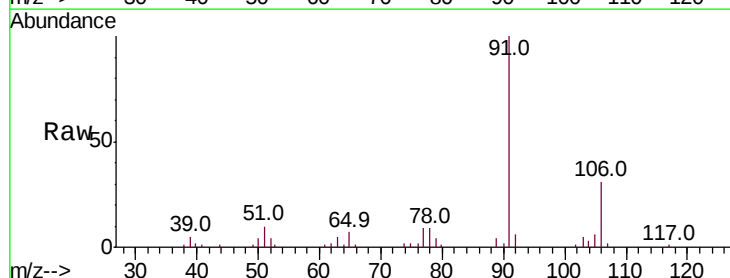


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V

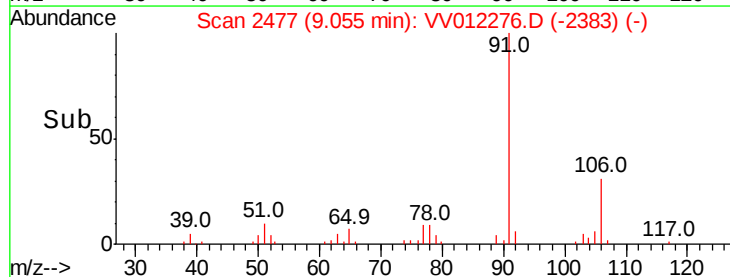
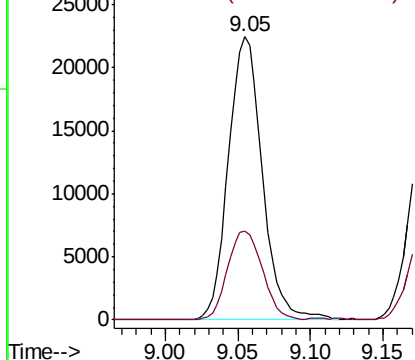


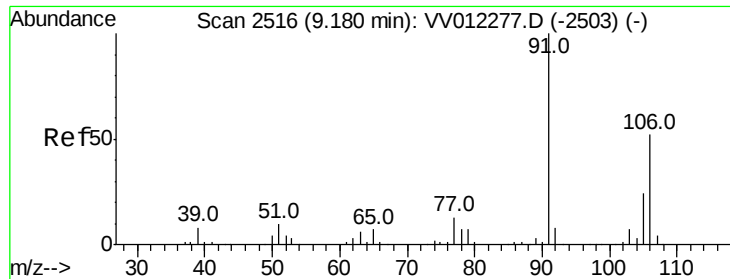
#52
Ethylbenzene
Concen: 0.843 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. 0.00 min
Lab File: VV012276.D
Acq: 19 Aug 2019 13:29

Tgt Ion: 91 Resp: 36463
Ion Ratio Lower Upper
91 100
106 31.5 21.6 40.0



Abundance Ion 91.15 (90.85 to 91.85): VV0
Ion 106.15 (105.85 to 106.85): V





#53

m,p-xylene

Concen: 0.851 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV012276.D

Acq: 19 Aug 2019 13:29

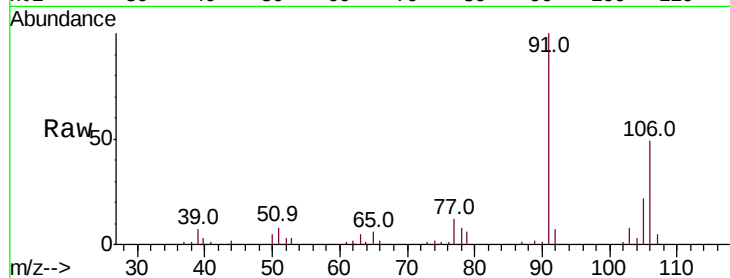
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 14238

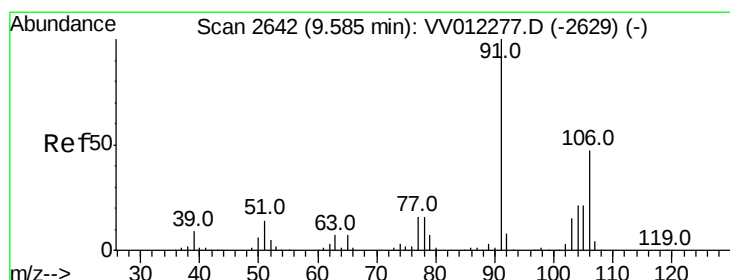
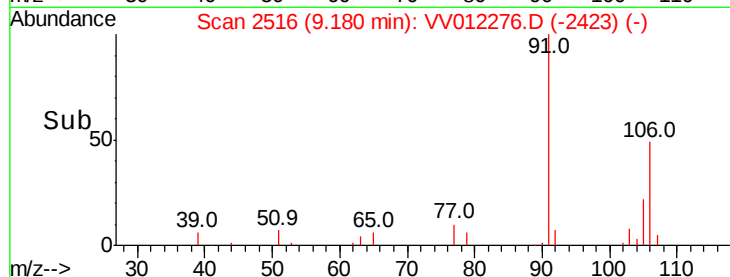
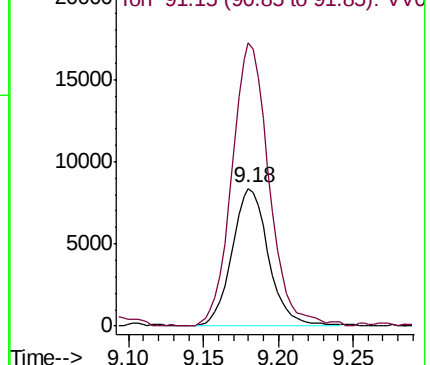
Ion Ratio Lower Upper

106 100

91 205.9 136.0 252.6



Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0



#54

o-xylene

Concen: 0.861 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV012276.D

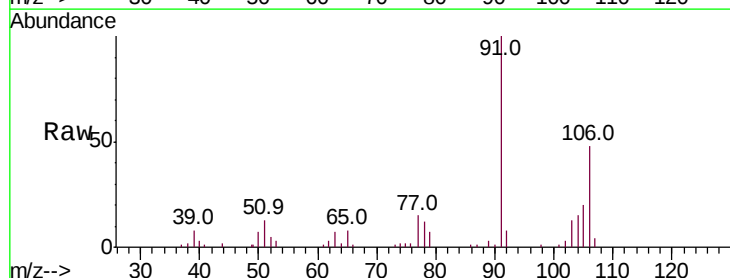
Acq: 19 Aug 2019 13:29

Tgt Ion:106 Resp: 13626

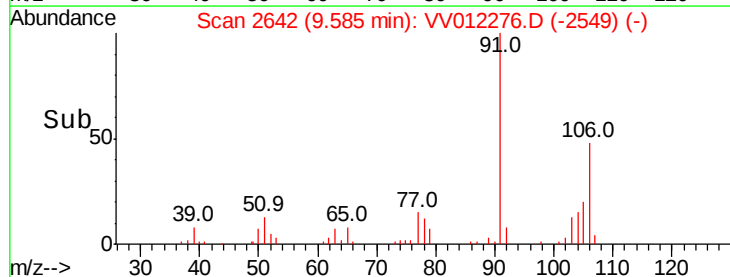
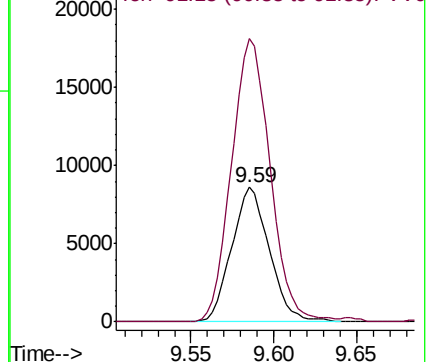
Ion Ratio Lower Upper

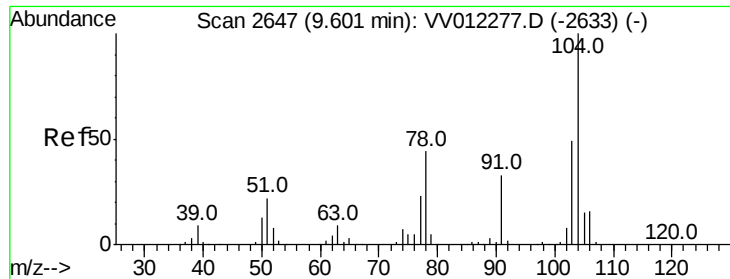
106 100

91 210.0 148.7 276.1



Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0





#55

Stvrene

Concen: 0.855 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV012276.D

Acq: 19 Aug 2019 13:29

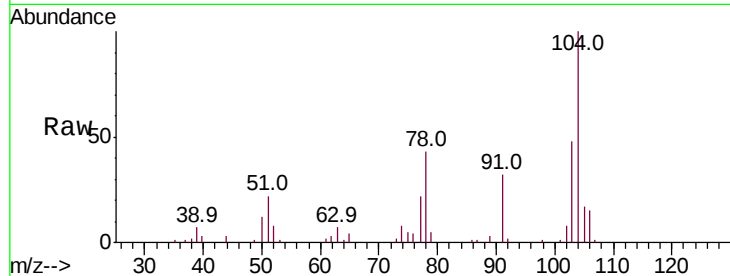
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:104 Resp: 22570

Ion Ratio Lower Upper

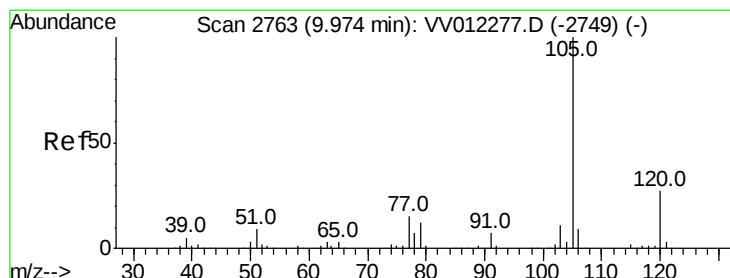
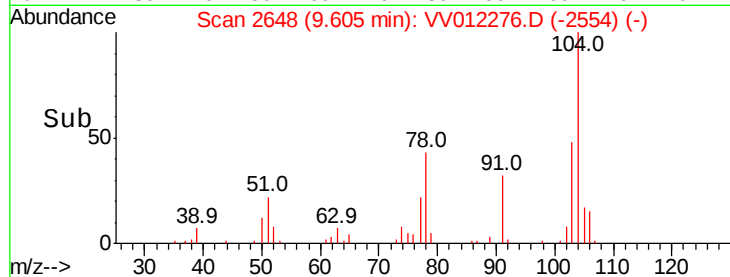
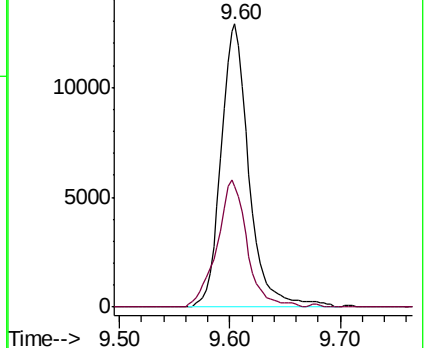
104 100

78 42.7 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: 0.877 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV012276.D

Acq: 19 Aug 2019 13:29

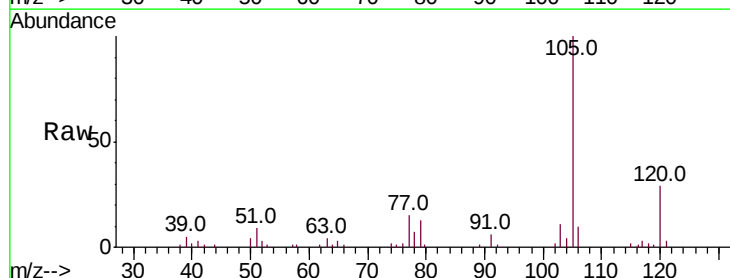
Tgt Ion:105 Resp: 37311

Ion Ratio Lower Upper

105 100

120 26.9 21.4 32.0

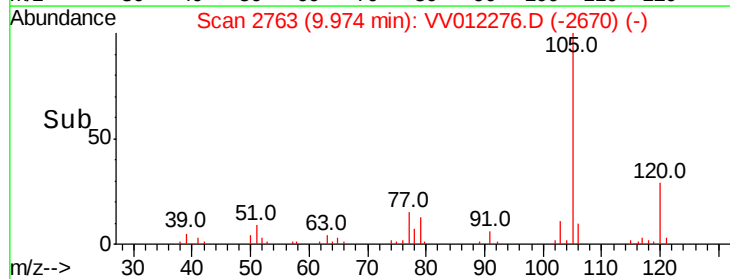
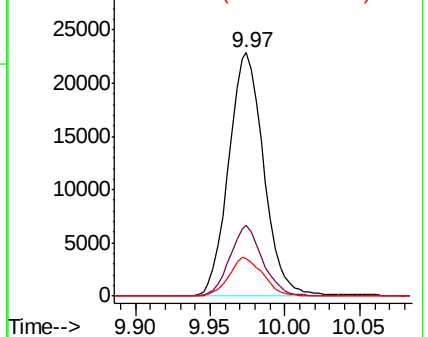
77 15.4 12.2 18.2

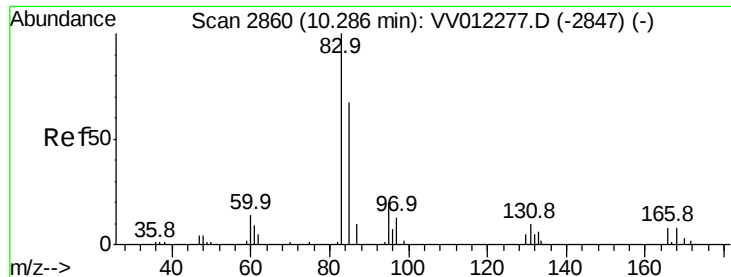


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VV0





#58

1,1,2,2-Tetrachloroethane

Concen: 0.818 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV012276.D

Acq: 19 Aug 2019 13:29

Instrument :

MSVOA_V

ClientSampled :

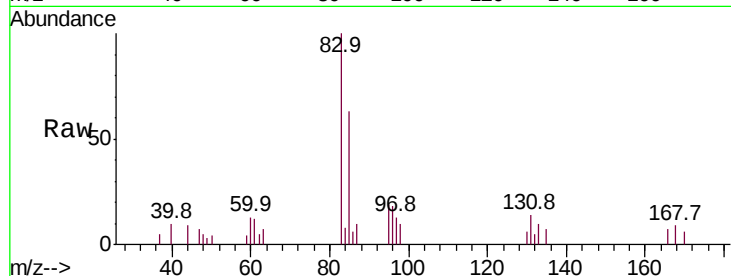
Tot Ion: 83 Resp: 5855

Ion Ratio Lower Upper

83 100

85 62.8 47.0 87.2

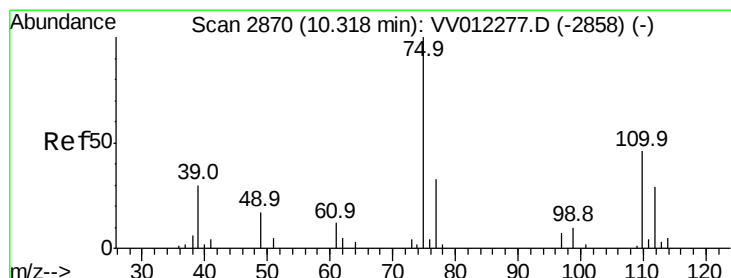
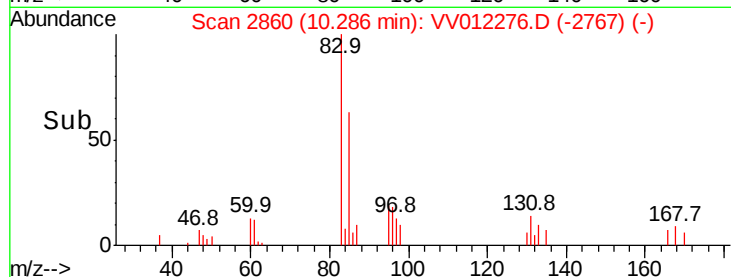
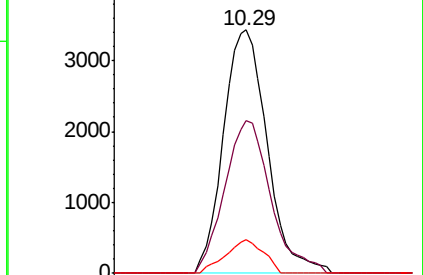
131 13.7 9.0 13.4#



Abundance Ion 82.95 (82.65 to 83.65): VV012277.D (-2847) (-)

Ion 85.00 (84.70 to 85.70): VV012277.D (-2847) (-)

Ion 130.95 (130.65 to 131.65): VV012277.D (-2847) (-)



#59

1,2,3-Trichloropropane

Concen: 0.856 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VV012276.D

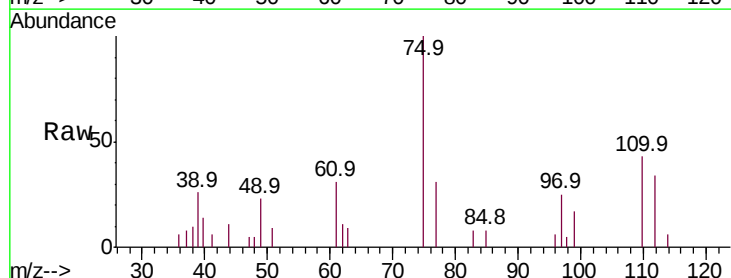
Acq: 19 Aug 2019 13:29

Tgt Ion: 75 Resp: 4553

Ion Ratio Lower Upper

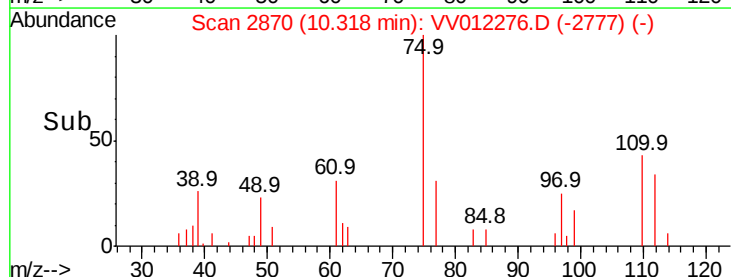
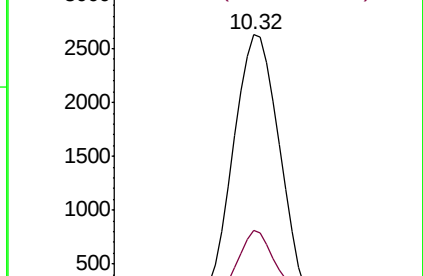
75 100

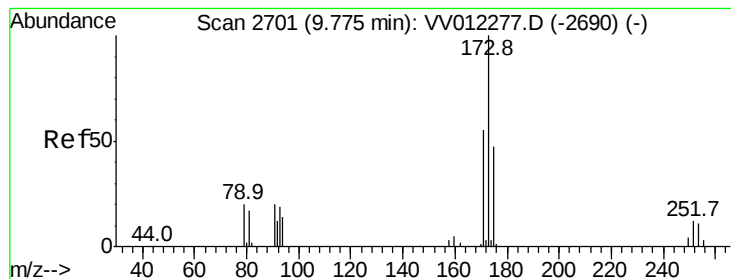
77 29.5 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VV012277.D (-2858) (-)

Ion 77.00 (76.70 to 77.70): VV012277.D (-2858) (-)





#61

Bromoform

Concen: 0.952 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VV012276.D

Acq: 19 Aug 2019 13:29

Instrument :
MSVOA_V
ClientSampleId :

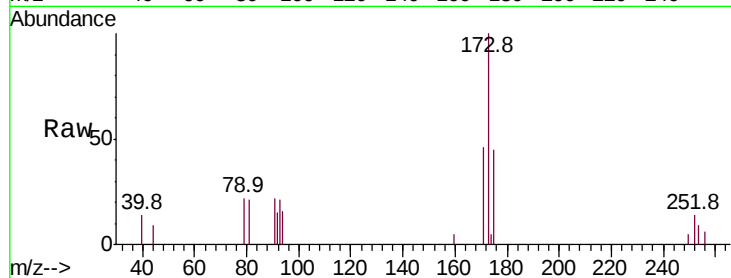
Tot Ion:173 Resp: 3947

Ion Ratio Lower Upper

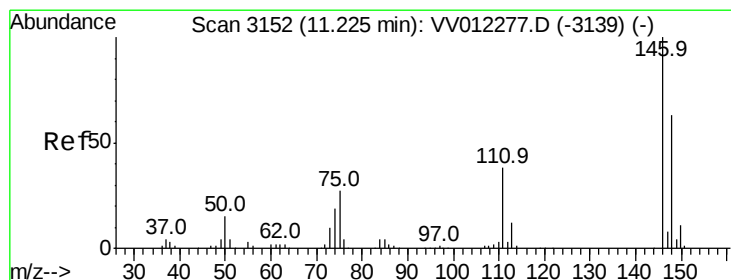
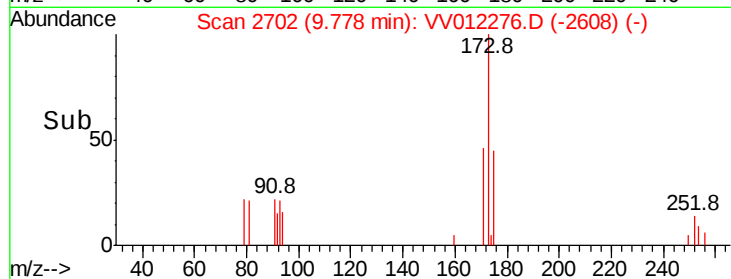
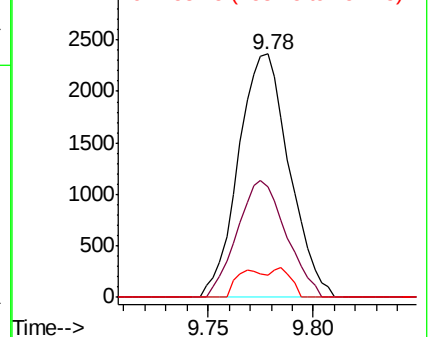
173 100

175 46.1 38.9 58.3

254 4.5 9.0 13.6#



Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



#62

1,3-Dichlorobenzene

Concen: 0.930 ug/L

RT: 11.23 min Scan# 3152

Delta R.T. 0.00 min

Lab File: VV012276.D

Acq: 19 Aug 2019 13:29

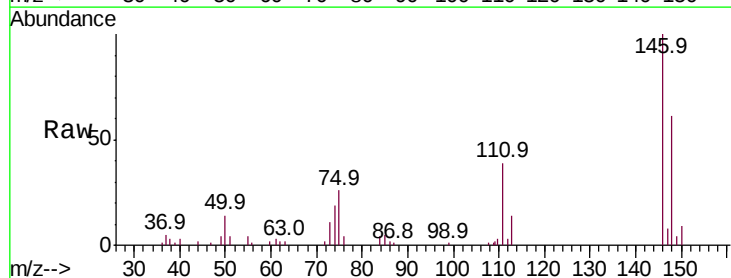
Tgt Ion:146 Resp: 19672

Ion Ratio Lower Upper

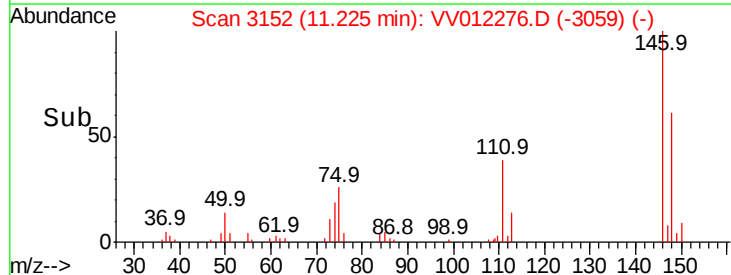
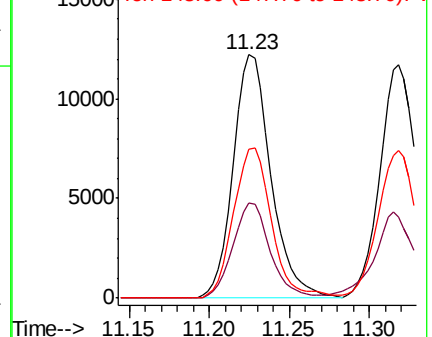
146 100

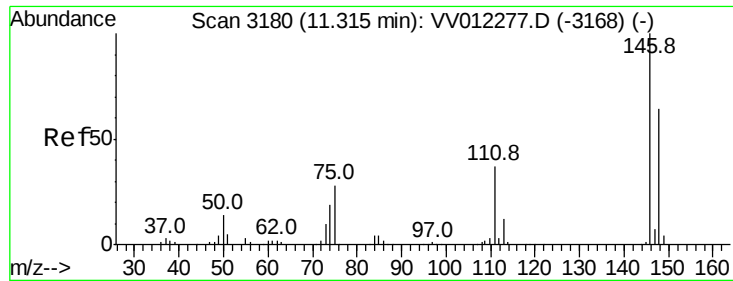
111 39.1 26.8 49.8

148 60.9 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: 0.920 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. 0.00 min

Lab File: VV012276.D

Acq: 19 Aug 2019 13:29

Instrument :

MSVOA_V

ClientSampled :

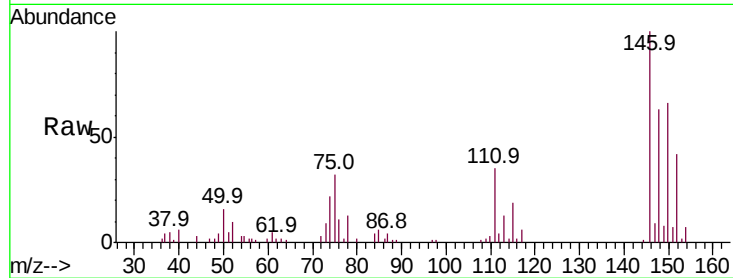
Tot Ion:146 Resp: 19456

Ion Ratio Lower Upper

146 100

111 34.7 26.2 48.6

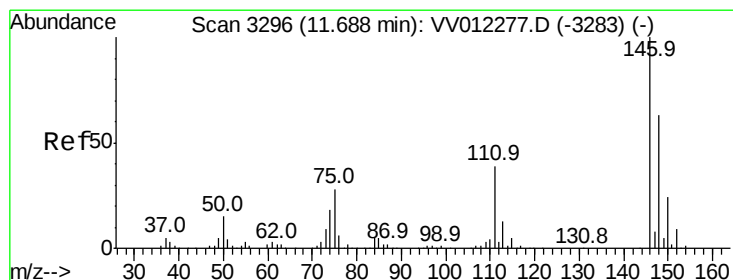
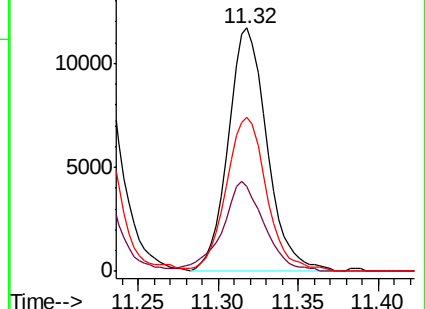
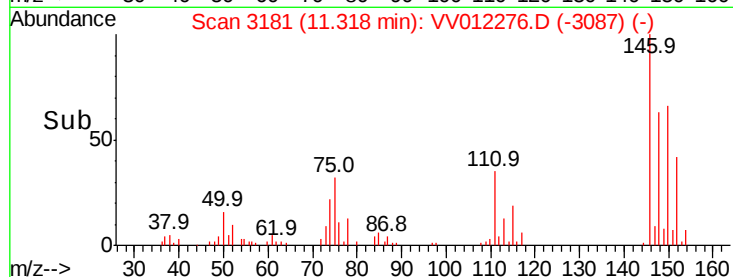
148 63.2 45.3 84.1



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: 0.958 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV012276.D

Acq: 19 Aug 2019 13:29

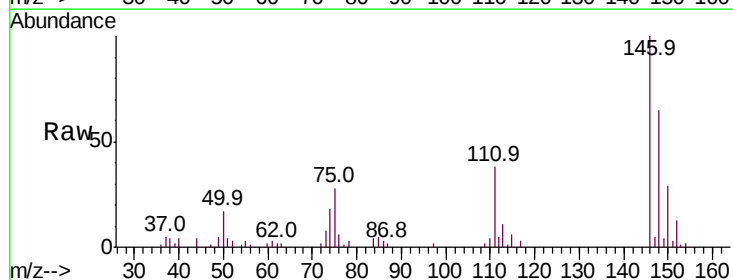
Tgt Ion:146 Resp: 18621

Ion Ratio Lower Upper

146 100

111 38.0 31.4 47.0

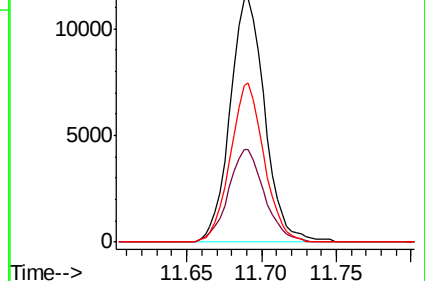
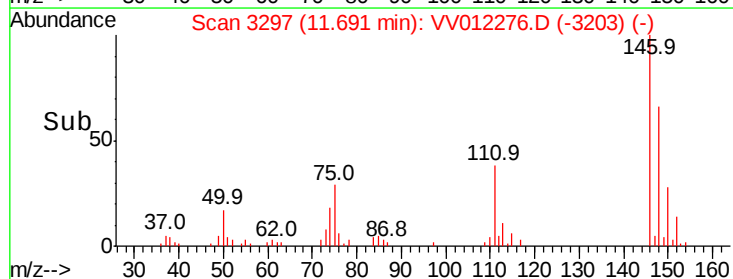
148 65.2 50.8 76.2

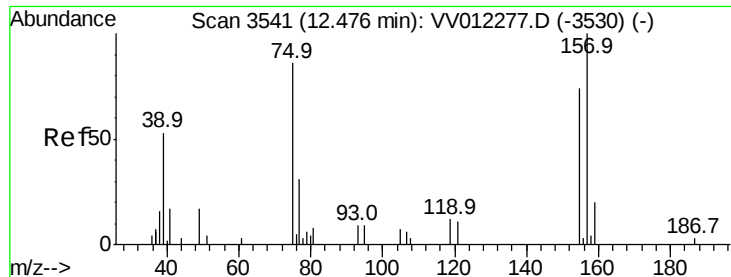


Abundance Ion 145.95 (145.65 to 146.65): V

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: 0.686 ug/L

RT: 12.48 min Scan# 3542

Delta R.T. 0.00 min

Lab File: VV012276.D

Acq: 19 Aug 2019 13:29

Instrument :

MSVOA_V

ClientSampleId :

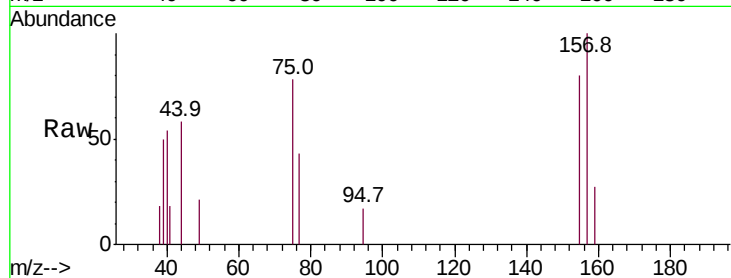
Tot Ion: 75 Resp: 843

Ion Ratio Lower Upper

75 100

155 102.7 68.4 102.6#

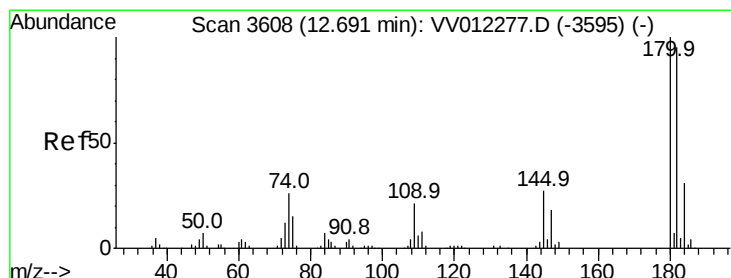
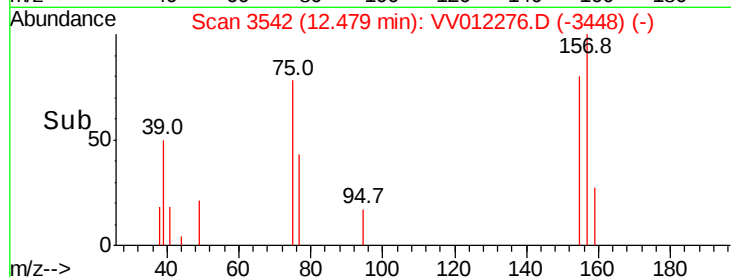
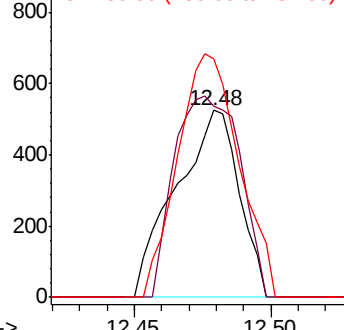
157 127.7 92.6 139.0



Abundance Ion 75.05 (74.75 to 75.75): VV012276.D (-3548) (-)

Ion 154.95 (154.65 to 155.65): VV012276.D (-3548) (-)

Ion 156.90 (156.60 to 157.60): VV012276.D (-3548) (-)



#67

1,3,5-Trichlorobenzene

Concen: 0.960 ug/L

RT: 12.69 min Scan# 3608

Delta R.T. 0.00 min

Lab File: VV012276.D

Acq: 19 Aug 2019 13:29

Tgt Ion: 180 Resp: 15657

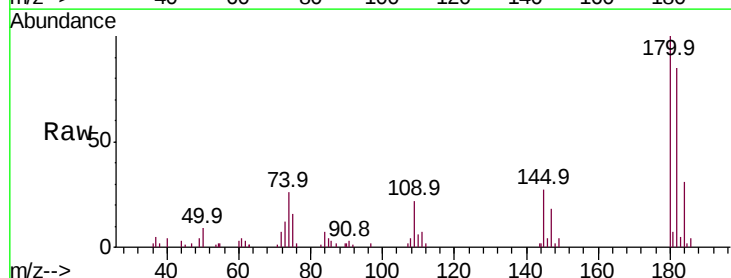
Ion Ratio Lower Upper

180 100

182 90.7 75.9 113.9

184 29.6 24.6 36.8

145 28.2 22.6 33.8

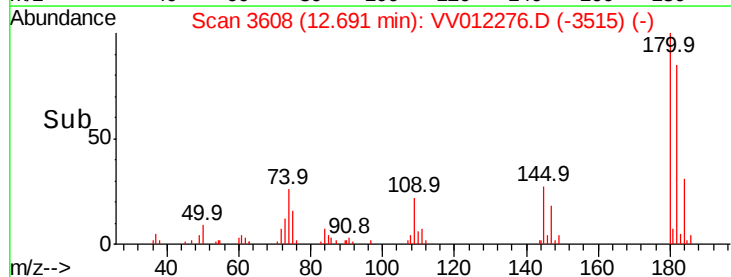
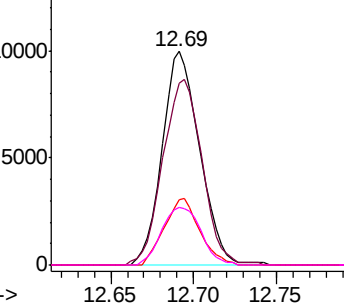


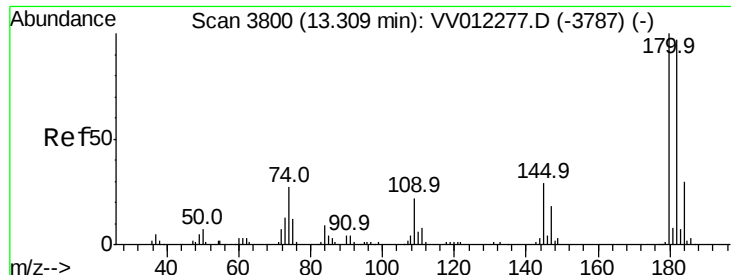
Abundance Ion 180.00 (179.70 to 180.70): VV012276.D (-3515) (-)

Ion 182.00 (181.70 to 182.70): VV012276.D (-3515) (-)

Ion 184.00 (183.70 to 184.70): VV012276.D (-3515) (-)

Ion 145.00 (144.70 to 145.70): VV012276.D (-3515) (-)

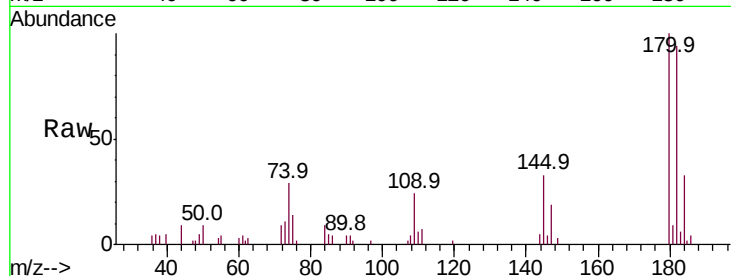




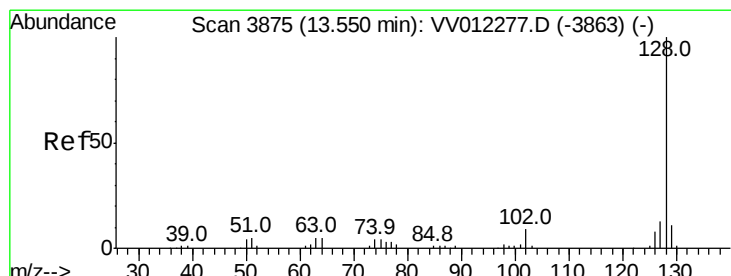
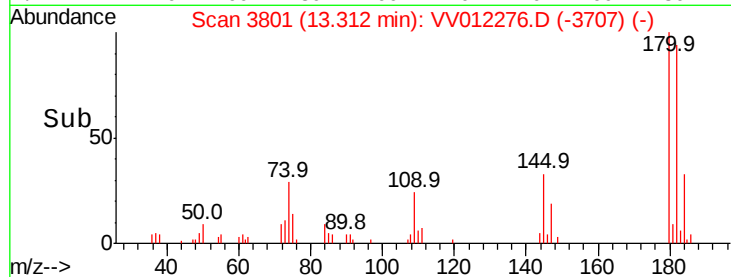
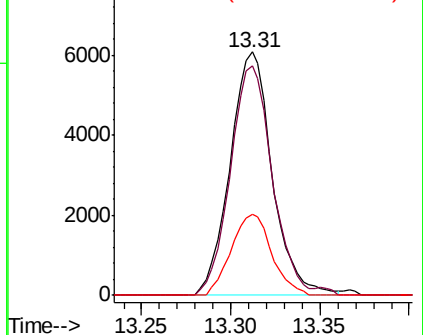
#68
 1,2,4-trichlorobenzene
 Concen: 0.824 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV012276.D
 Acq: 19 Aug 2019 13:29

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	77.2	115.8
145	32.0	22.6	33.8

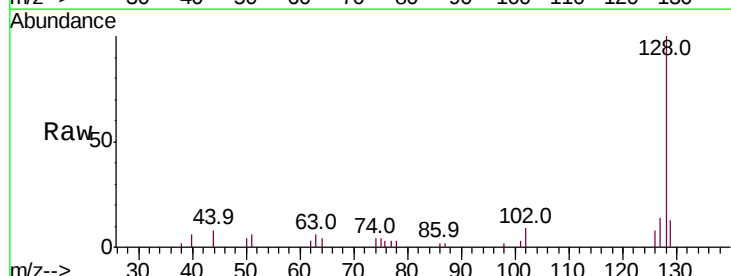


Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V

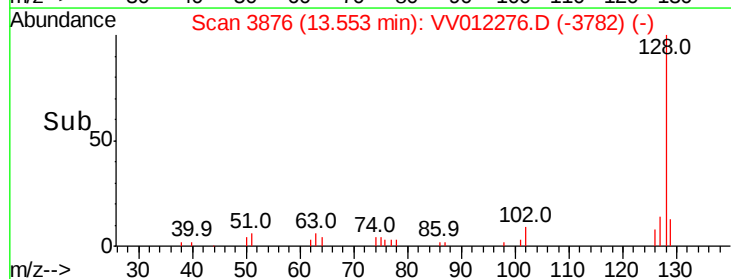
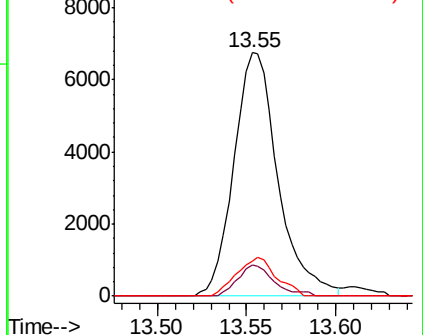


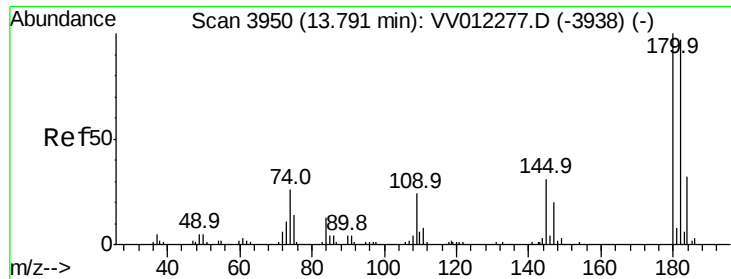
#69
 Naphthalene
 Concen: 0.681 ug/L
 RT: 13.55 min Scan# 3876
 Delta R.T. 0.00 min
 Lab File: VV012276.D
 Acq: 19 Aug 2019 13:29

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.5	8.7	13.1
127	14.1	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: 0.844 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV012276.D

Acq: 19 Aug 2019 13:29

Instrument :

MSVOA_V

ClientSampleId :

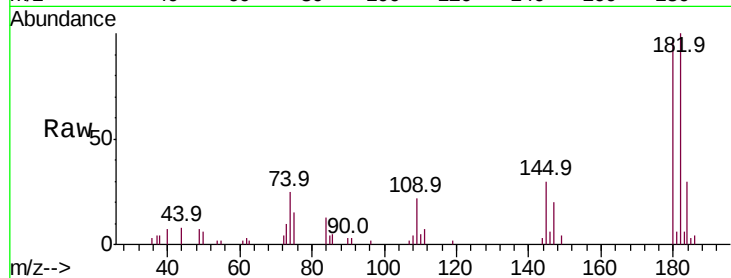
Tot Ion:180 Resp: 9588

Ion Ratio Lower Upper

180 100

182 98.5 75.9 113.9

145 29.6 24.1 36.1



Abundance Ion 179.90 (179.60 to 180.60): V

8000 Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

