

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040819\
 Data File : VV010167.D
 Acq On : 08 Apr 2019 11:03
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10mL/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 09 05:22:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
 Quant Title : VOC Analysis
 QLast Update : Sun Apr 07 05:35:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	273801	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	263152	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	135647	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	96191	26.24	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	104.96%
7) Chloroethane-d5	1.58	69	136213	29.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	119.68%
10) 1,1-Dichloroethene-d2	2.13	63	240388	26.00	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	104.00%
20) 2-Butanone-d5	3.95	46	46123	44.22	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.44%
24) Chloroform-d	4.40	84	185761	26.93	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	107.72%
26) 1,2-Dichloroethane-d4	5.08	65	97423	25.24	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.96%
29) Benzene-d6	5.10	84	368541	27.01	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	108.04%
33) 1,2-Dichloropropane-d6	6.12	67	105092	26.09	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	104.36%
37) Toluene-d8	7.36	98	365335	27.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	111.16%
38) trans-1,3-Dichloropropene-	7.66	79	45862	26.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	106.56%
39) 2-Hexanone-d5	8.14	63	34930	43.24	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.48%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	95522	24.05	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	96.20%
61) 1,2-Dichlorobenzene-d4	11.67	152	139926	26.48	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	105.92%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	98498	24.872	ug/L 99
3) Chloromethane	1.25	50	85211	24.146	ug/L 98
5) Vinyl chloride	1.32	62	96270	25.045	ug/L 98
6) Bromomethane	1.54	94	92820	21.347	ug/L 99
8) Chloroethane	1.60	64	102443	30.487	ug/L 99
9) Trichlorofluoromethane	1.77	101	212902	26.871	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	120425	27.332	ug/L 99
12) 1,1-Dichloroethene	2.14	96	98076	26.200	ug/L 96
13) Acetone	2.21	43	43895	42.565	ug/L 97
14) Carbon disulfide	2.32	76	192352	24.760	ug/L 100
15) Methyl Acetate	2.47	43	36641	22.205	ug/L 98
16) Methylene chloride	2.54	84	94437	19.631	ug/L 94
17) Methyl tert-butyl Ether	2.81	73	212189	26.467	ug/L 98
18) trans-1,2-Dichloroethene	2.79	96	84194	25.750	ug/L 96
19) 1,1-Dichloroethane	3.23	63	150312	27.057	ug/L 99
21) 2-Butanone	4.03	43	51731	45.805	ug/L 97
22) cis-1,2-Dichloroethene	3.96	96	97465	26.846	ug/L 98

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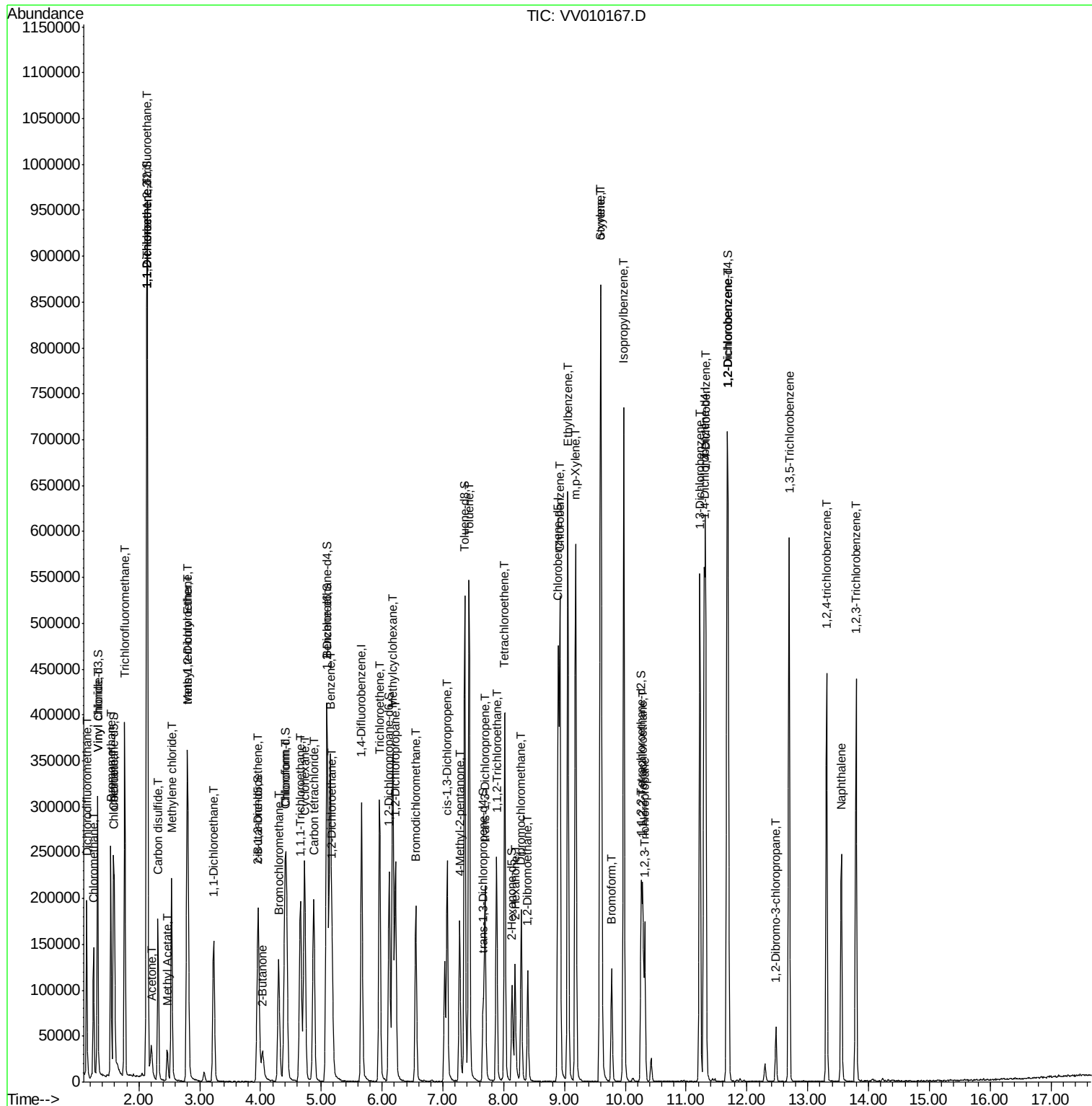
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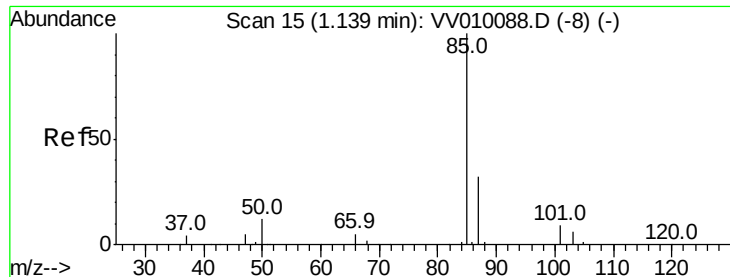
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	47571	27.005	ug/L	91
25) Chloroform	4.43	83	172828	27.761	ug/L	100
27) 1,2-Dichloroethane	5.18	62	109210	25.717	ug/L	97
30) Cyclohexane	4.72	56	125452	26.409	ug/L	98
31) 1,1,1-Trichloroethane	4.66	97	154219	28.736	ug/L	99
32) Carbon tetrachloride	4.87	117	142045	29.612	ug/L	99
34) Benzene	5.15	78	339992	26.420	ug/L	100
35) Trichloroethene	5.96	95	99894	26.969	ug/L	98
36) Methylcyclohexane	6.18	83	154387	27.822	ug/L	98
40) 1,2-Dichloropropane	6.22	63	84922	26.118	ug/L	99
41) Bromodichloromethane	6.56	83	118601	28.048	ug/L	97
42) cis-1,3-Dichloropropene	7.07	75	127458	27.080	ug/L	98
43) 4-Methyl-2-pentanone	7.28	43	116731	48.522	ug/L	99
44) Toluene	7.43	91	399380	27.653	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	112630	28.137	ug/L	95
46) 1,1,2-Trichloroethane	7.88	97	73844	25.613	ug/L	99
47) Tetrachloroethene	8.02	164	86826	28.005	ug/L	98
49) 2-Hexanone	8.19	43	83193	48.416	ug/L	97
50) Dibromochloromethane	8.29	129	94410	29.212	ug/L	99
51) 1,2-Dibromoethane	8.40	107	74845	26.268	ug/L	98
52) Chlorobenzene	8.92	112	275003	27.915	ug/L	97
53) Ethylbenzene	9.05	91	451817	28.529	ug/L	99
54) m,p-Xylene	9.18	106	180790	29.329	ug/L	91
55) o-xylene	9.59	106	176144	29.495	ug/L	92
56) Styrene	9.60	104	289690	29.324	ug/L	99
57) Isopropylbenzene	9.97	105	479954	30.474	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	91036	24.585	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	66771	25.146	ug/L	98
62) Bromoform	9.77	173	53029	27.795	ug/L	98
63) 1,3-Dichlorobenzene	11.22	146	229269	28.796	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	234186	28.237	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	218779	27.971	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.48	75	12695	23.938	ug/L	92
67) 1,3,5-Trichlorobenzene	12.69	180	179106	30.293	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	133792	29.550	ug/L	99
69) Naphthalene	13.55	128	191581	25.433	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	122355	28.946	ug/L	98

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

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#2

Dichlorodifluoromethane

Concen: 24.872 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV010167.D

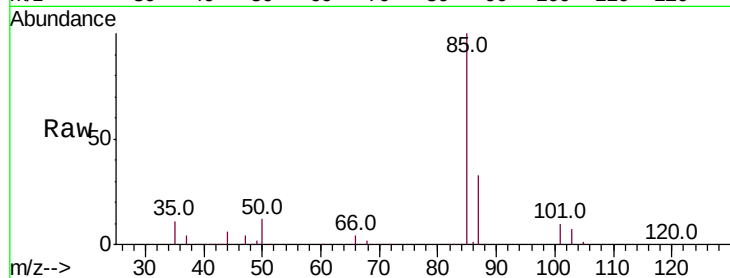
Acq: 08 Apr 2019 11:03

Tot Ion: 85 Resp: 98498

Ion Ratio Lower Upper

85 100

87 32.5 22.5 41.9



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.14

100000

80000

60000

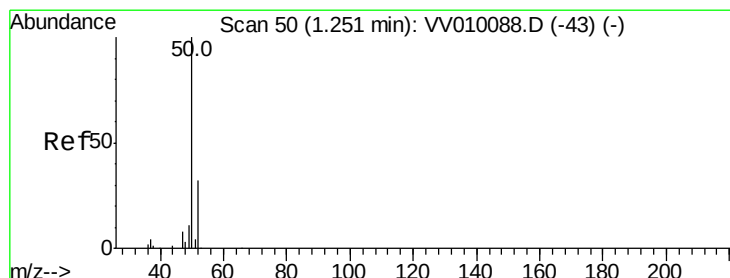
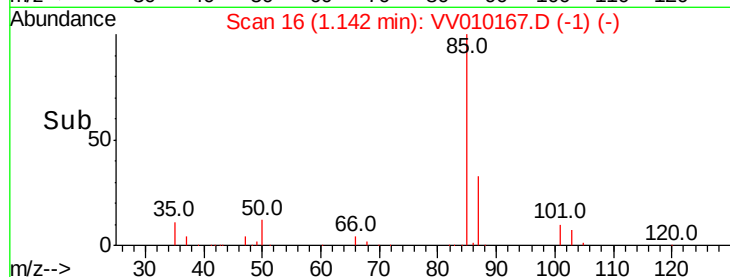
40000

20000

0

1.10 1.15 1.20

Time-->



#3

Chloromethane

Concen: 24.146 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV010167.D

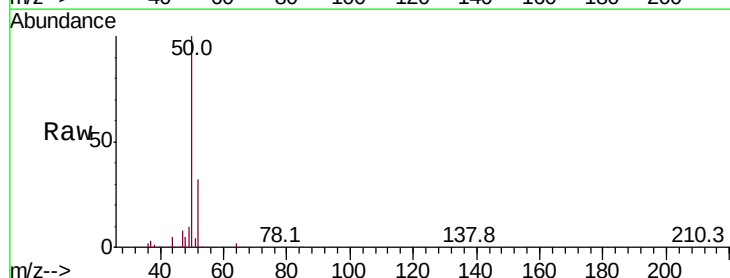
Acq: 08 Apr 2019 11:03

Tgt Ion: 50 Resp: 85211

Ion Ratio Lower Upper

50 100

52 32.1 23.4 43.4



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0

1.25

100000

80000

60000

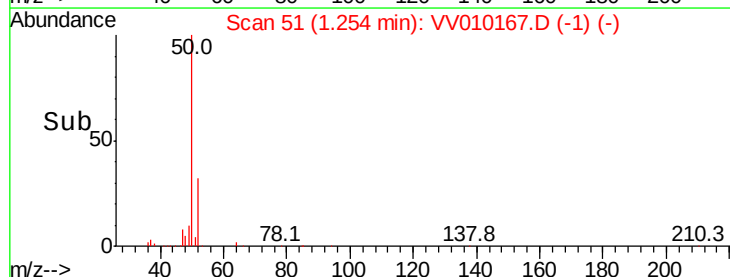
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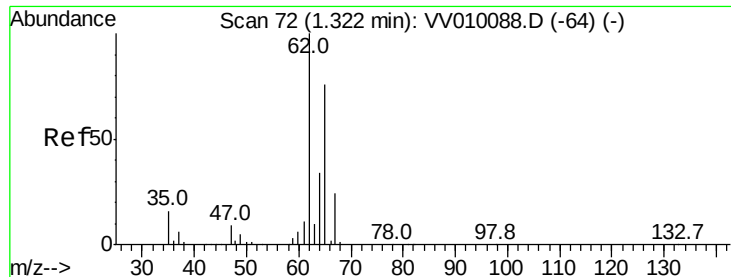
20000

0

1.20 1.25 1.30

Time-->





#5

Vinyl chloride

Concen: 25.045 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV010167.D

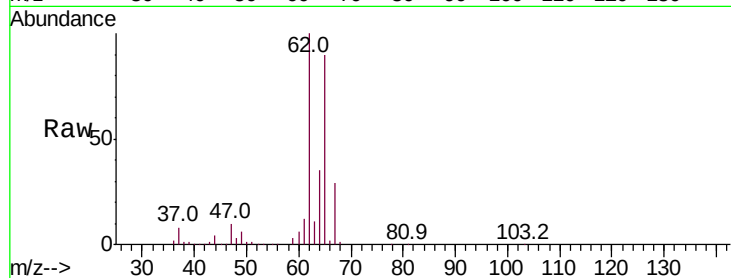
Acq: 08 Apr 2019 11:03

Tot Ion: 62 Resp: 96270

Ion Ratio Lower Upper

62 100

64 34.7 23.4 43.4



Abundance Ion 62.00 (61.70 to 62.70): VV010088.D (-64) (-)

Ion 64.00 (63.70 to 64.70): VV010088.D (-64) (-)

100000

80000

60000

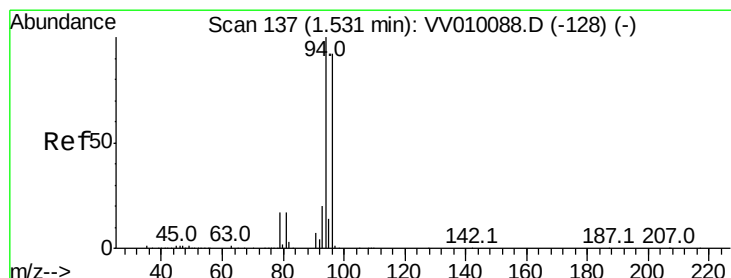
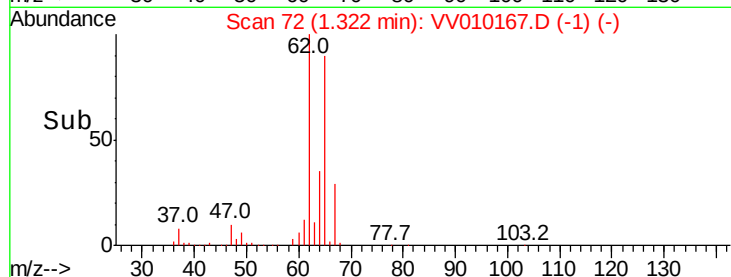
40000

20000

0

1.30 1.32 1.34 1.36 1.38 1.40

Time-->



#6

Bromomethane

Concen: 21.347 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV010167.D

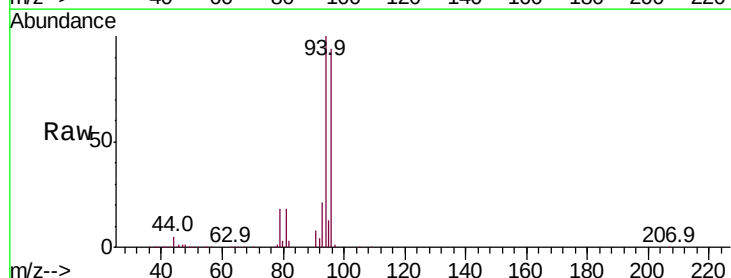
Acq: 08 Apr 2019 11:03

Tgt Ion: 94 Resp: 92820

Ion Ratio Lower Upper

94 100

96 94.3 9.4 177.8



Abundance Ion 94.00 (93.70 to 94.70): VV010088.D (-128) (-)

Ion 96.00 (95.70 to 96.70): VV010088.D (-128) (-)

100000

80000

60000

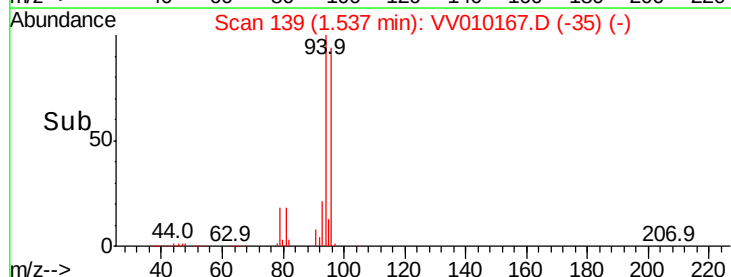
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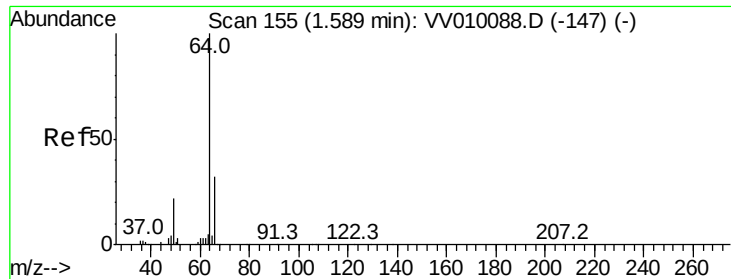
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1.50 1.52 1.54 1.56 1.58 1.60

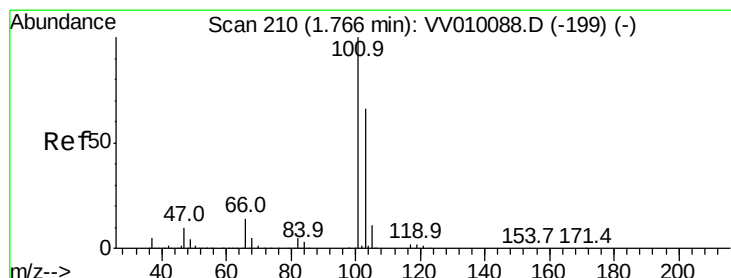
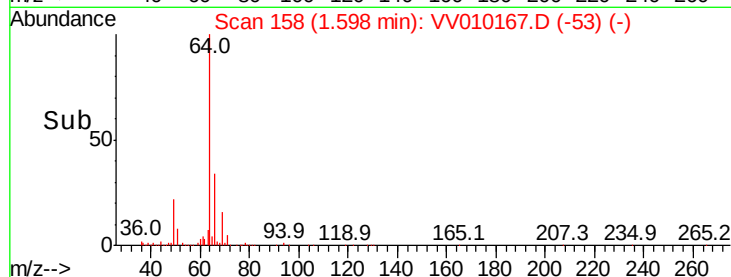
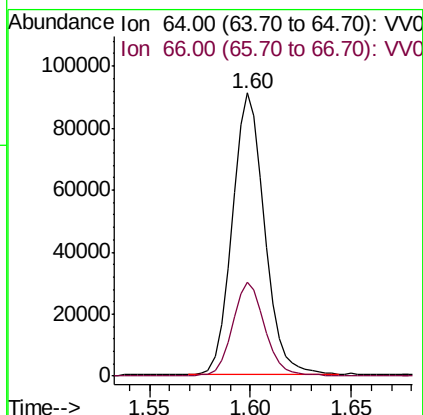
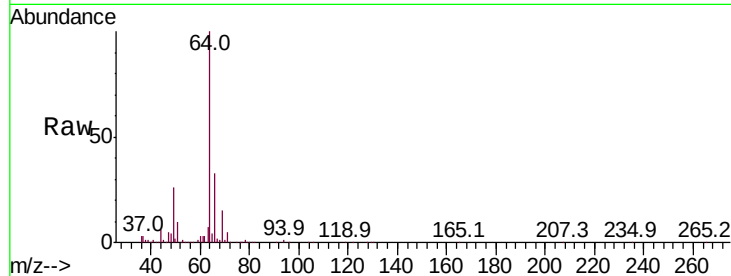
Time-->





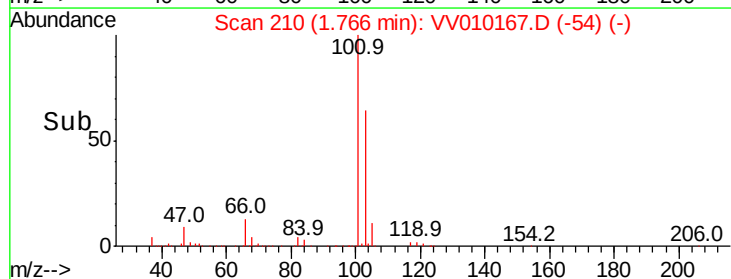
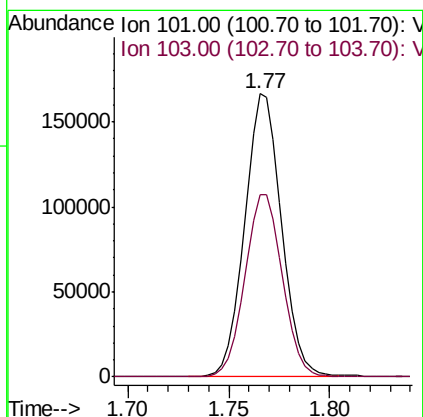
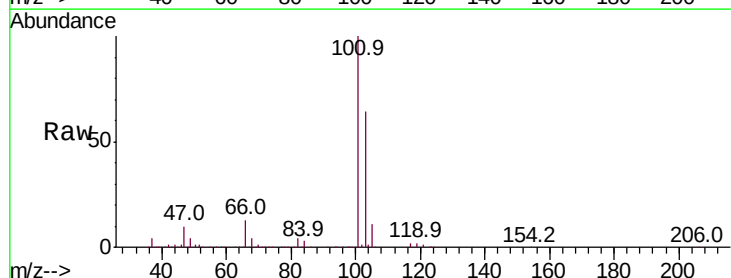
#8
Chloroethane
Concen: 30.487 ug/L
RT: 1.60 min Scan# 158
Delta R.T. 0.01 min
Lab File: VV010167.D
Acq: 08 Apr 2019 11:03

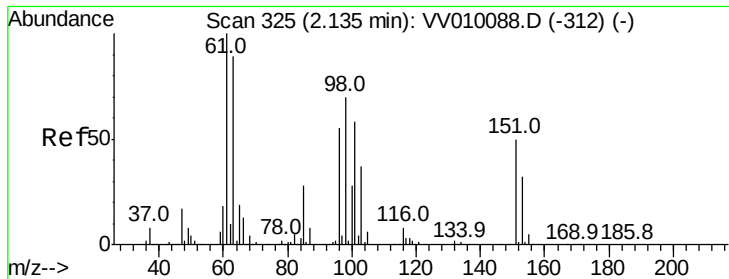
Tot Ion: 64 Resp: 102443
Ion Ratio Lower Upper
64 100
66 33.0 22.9 42.5



#9
Trichlorofluoromethane
Concen: 26.871 ug/L
RT: 1.77 min Scan# 210
Delta R.T. 0.00 min
Lab File: VV010167.D
Acq: 08 Apr 2019 11:03

Tgt Ion: 101 Resp: 212902
Ion Ratio Lower Upper
101 100
103 65.6 46.1 85.5





#11

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

Concen: 27.332 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV010167.D

Acq: 08 Apr 2019 11:03

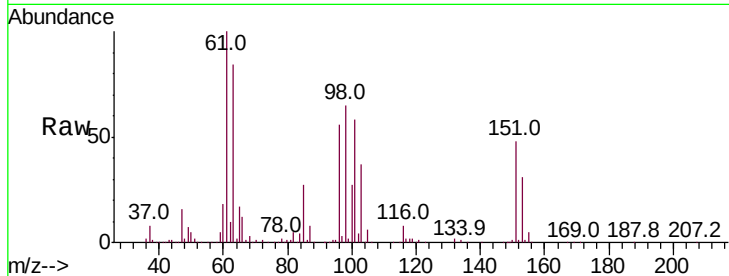
Tot Ion: 101 Resp: 120425

Ion Ratio Lower Upper

101 100

85 46.8 37.3 55.9

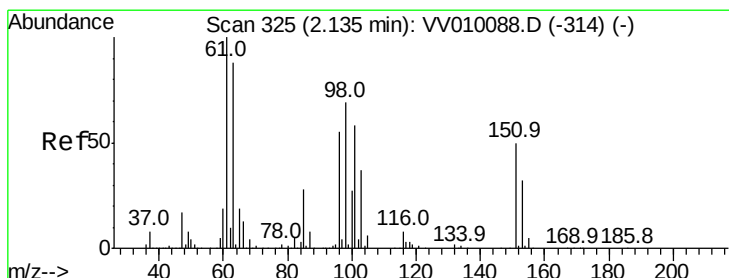
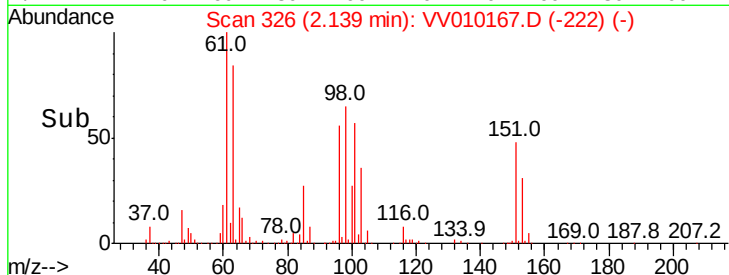
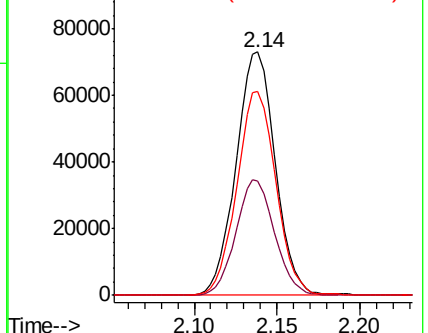
151 83.2 65.4 98.2



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: 26.200 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV010167.D

Acq: 08 Apr 2019 11:03

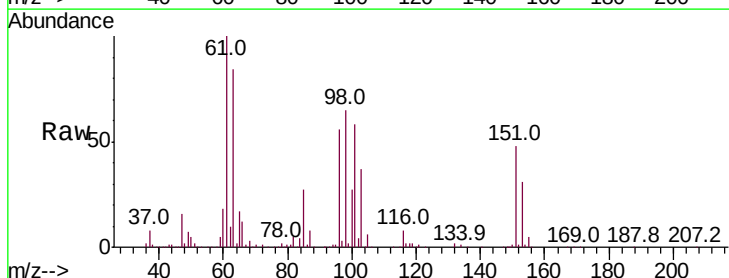
Tgt Ion: 96 Resp: 98076

Ion Ratio Lower Upper

96 100

61 179.8 127.8 237.4

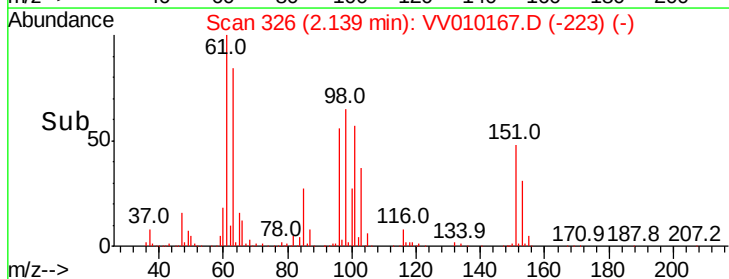
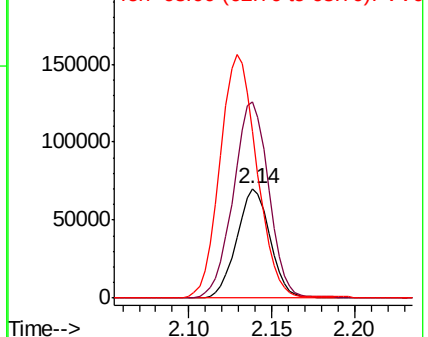
63 151.8 112.6 209.2

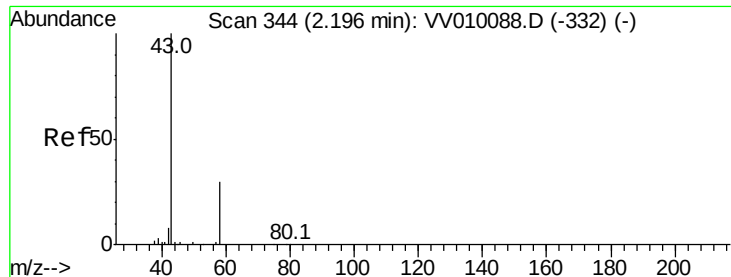


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 42.565 ug/L

RT: 2.21 min Scan# 347

Delta R.T. 0.01 min

Lab File: VV010167.D

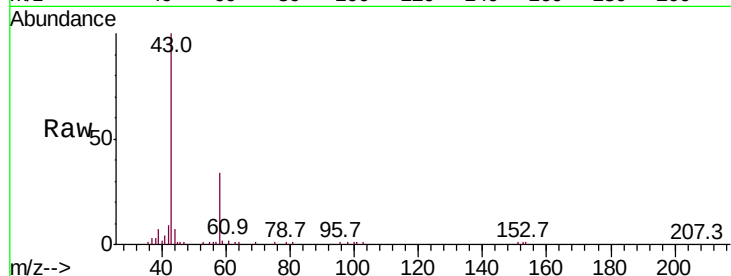
Acq: 08 Apr 2019 11:03

Tot Ion: 43 Resp: 43895

Ion Ratio Lower Upper

43 100

58 33.8 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

2.21

20000

15000

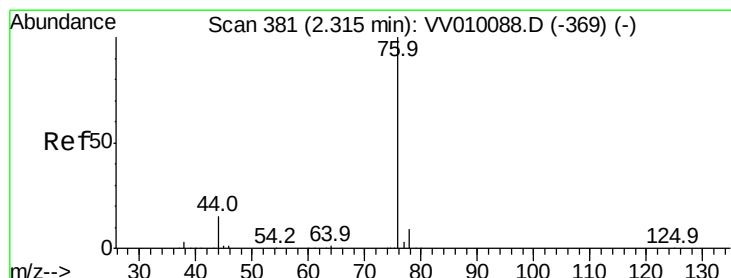
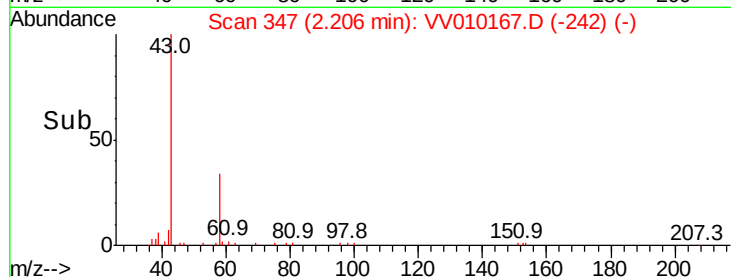
10000

5000

0

2.15 2.20 2.25 2.30

Time-->



#14

Carbon disulfide

Concen: 24.760 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV010167.D

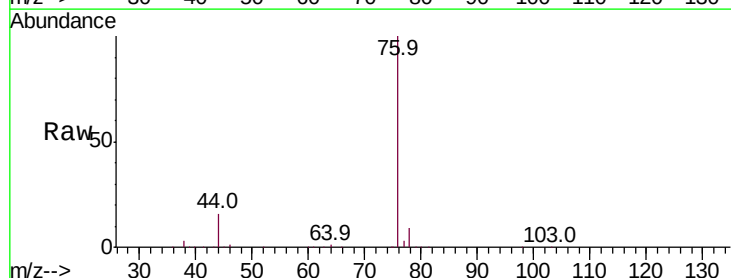
Acq: 08 Apr 2019 11:03

Tgt Ion: 76 Resp: 192352

Ion Ratio Lower Upper

76 100

78 8.8 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0

150000

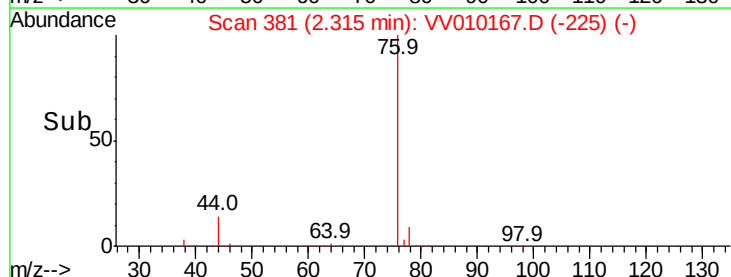
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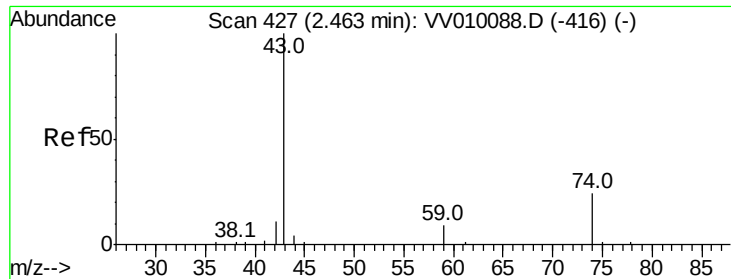
50000

0

2.25 2.30 2.35 2.40

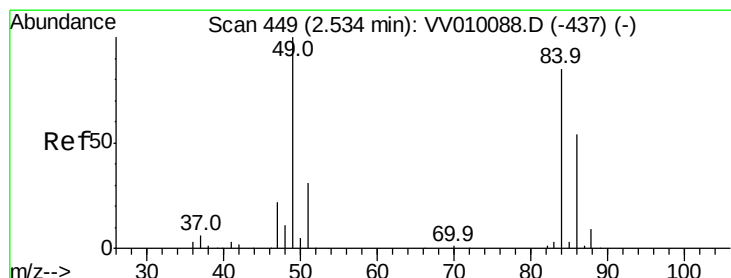
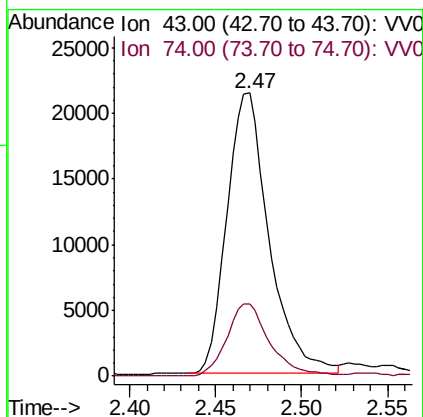
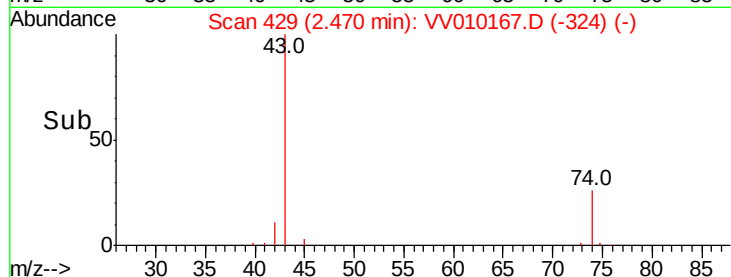
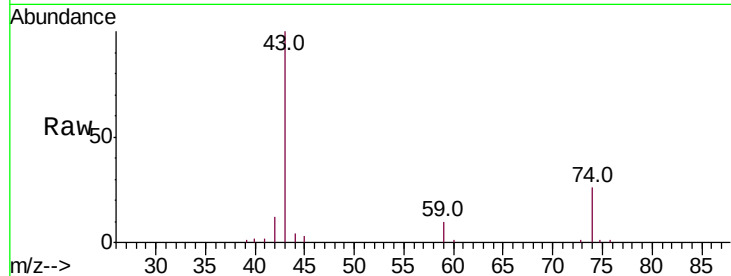
Time-->





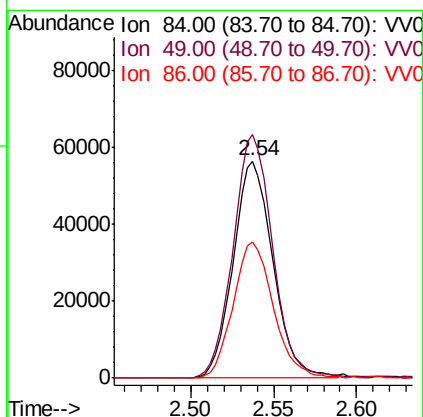
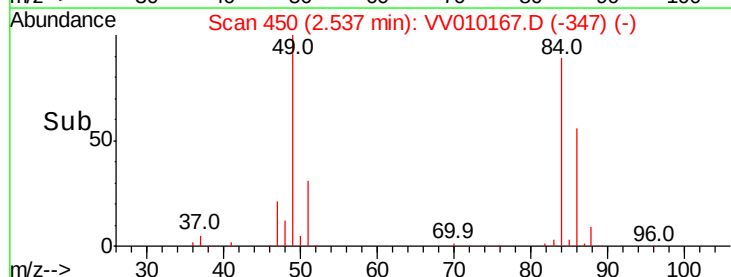
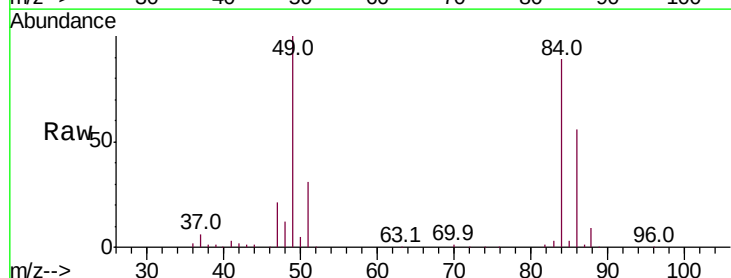
#15
Methyl Acetate
Concen: 22.205 ug/L
RT: 2.47 min Scan# 429
Delta R.T. 0.01 min
Lab File: VV010167.D
Acq: 08 Apr 2019 11:03

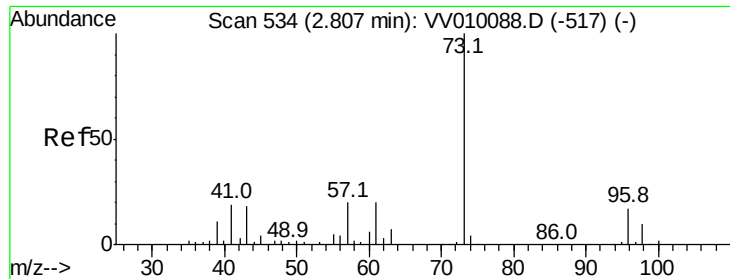
Tot Ion: 43 Resp: 36641
Ion Ratio Lower Upper
43 100
74 26.2 20.0 30.0



#16
Methylene chloride
Concen: 19.631 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV010167.D
Acq: 08 Apr 2019 11:03

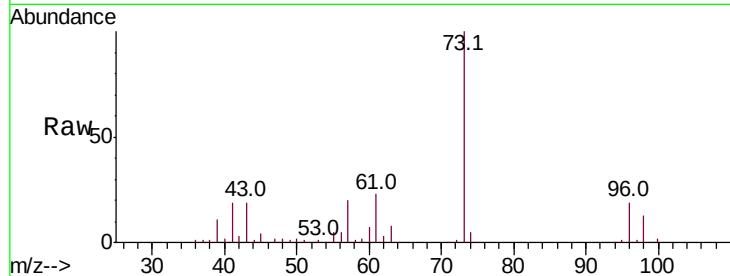
Tgt Ion: 84 Resp: 94437
Ion Ratio Lower Upper
84 100
49 112.3 84.3 156.5
86 62.6 45.4 84.2



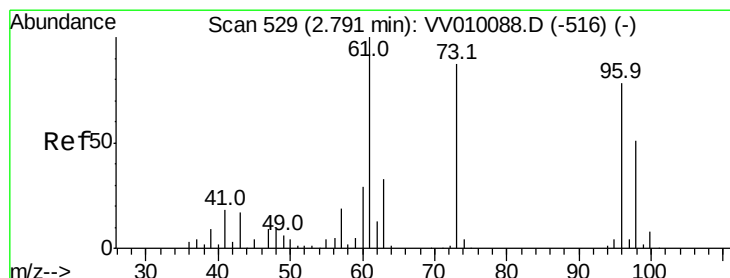
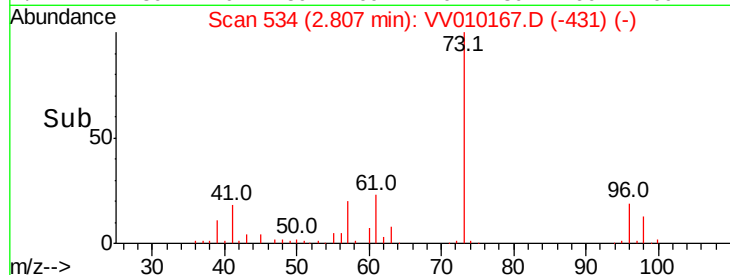
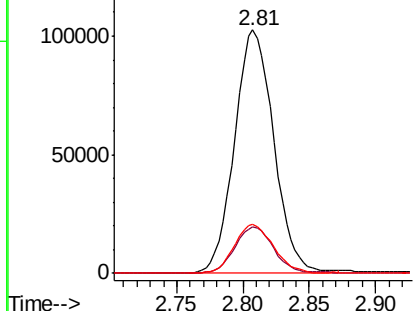


#17
Methyl tert-butyl Ether
Concen: 26.467 ug/L
RT: 2.81 min Scan# 534
Delta R.T. 0.00 min
Lab File: VV010167.D
Acq: 08 Apr 2019 11:03

Tot Ion	Ratio	Lower	Upper
73	100		
43	18.6	15.5	23.3
57	20.1	16.8	25.2

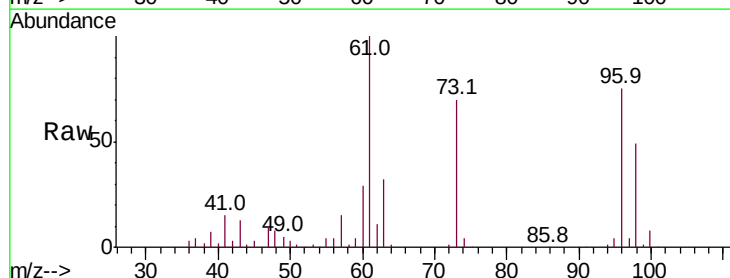


Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0

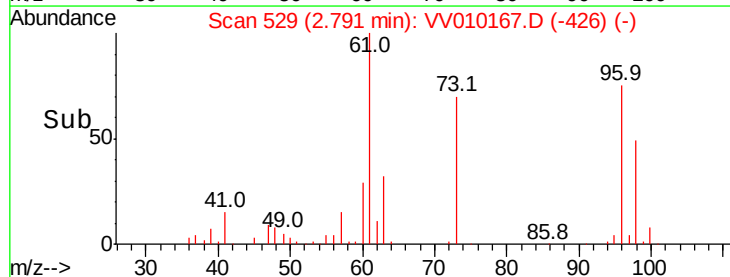
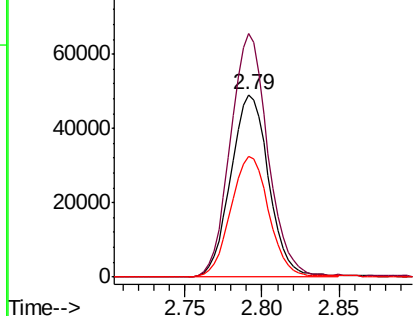


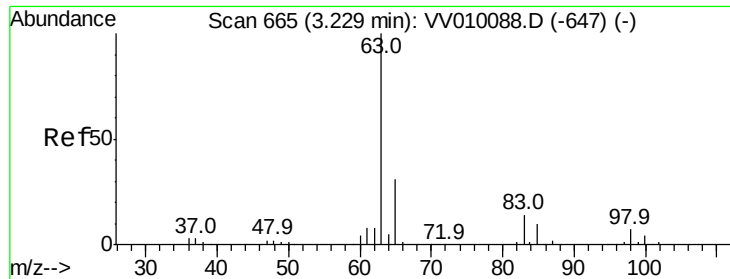
#18
trans-1,2-Dichloroethene
Concen: 25.750 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV010167.D
Acq: 08 Apr 2019 11:03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	133.3	90.0	167.2
98	65.8	44.2	82.2



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0





#19

1,1-Dichloroethane

Concen: 27.057 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV010167.D

Acq: 08 Apr 2019 11:03

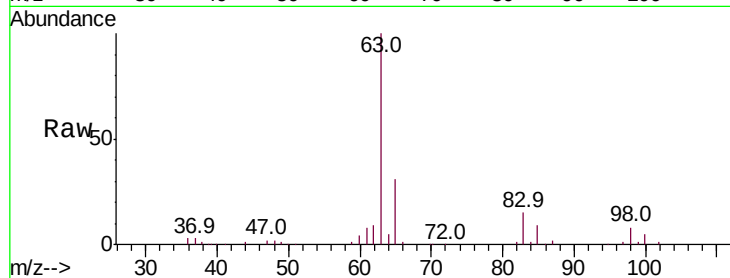
Tot Ion: 63 Resp: 150312

Ion Ratio Lower Upper

63 100

65 31.4 22.3 41.3

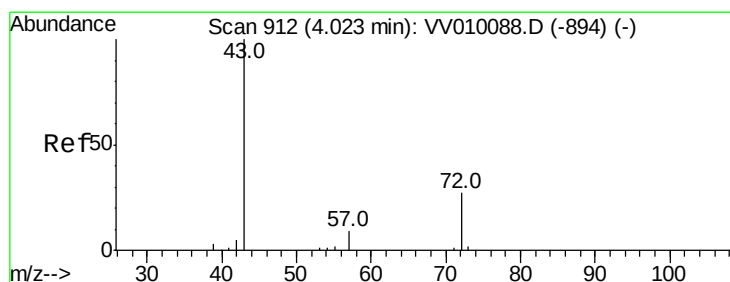
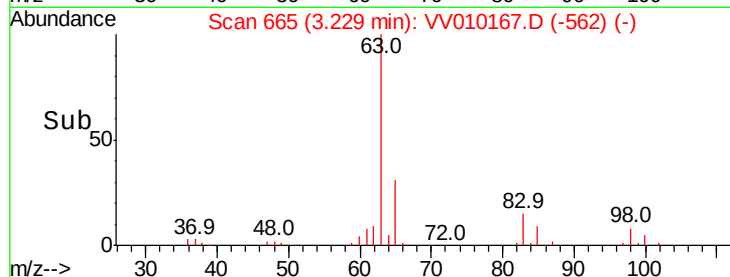
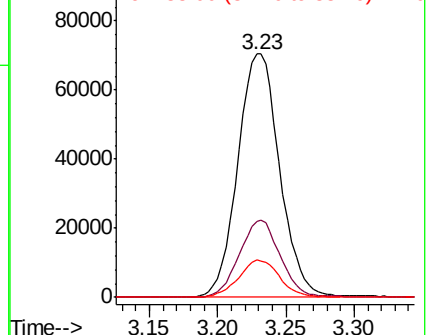
83 15.4 10.4 19.4



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 65.00 (64.70 to 65.70): VV0

Ion 83.00 (82.70 to 83.70): VV0



#21

2-Butanone

Concen: 45.805 ug/L

RT: 4.03 min Scan# 915

Delta R.T. 0.00 min

Lab File: VV010167.D

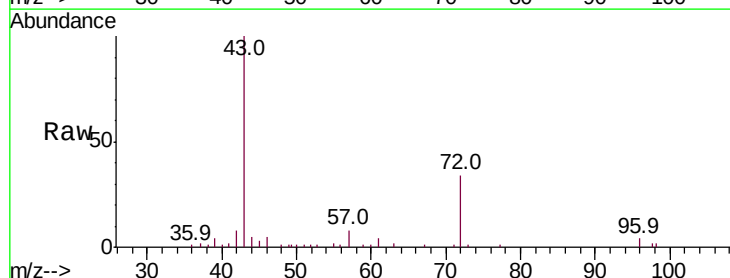
Acq: 08 Apr 2019 11:03

Tgt Ion: 43 Resp: 51731

Ion Ratio Lower Upper

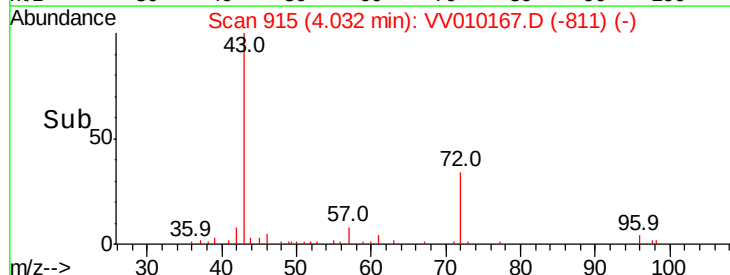
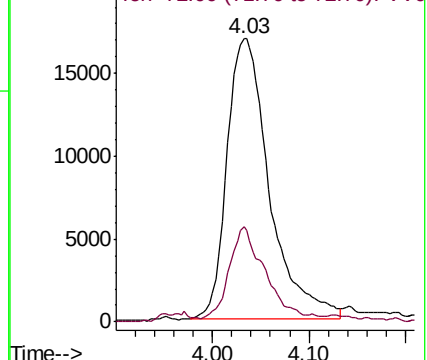
43 100

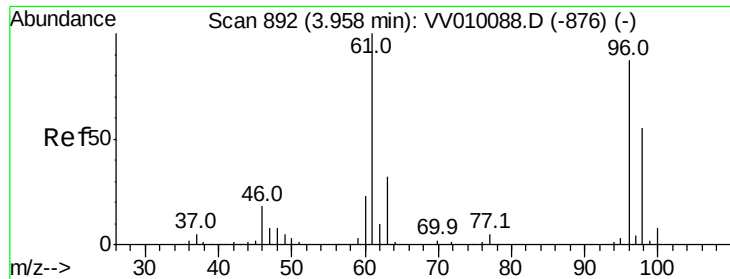
72 27.2 12.8 38.4



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 72.00 (71.70 to 72.70): VV0





#22

cis-1,2-Dichloroethene

Concen: 26.846 ug/L

RT: 3.96 min Scan# 893

Delta R.T. 0.00 min

Lab File: VV010167.D

Acq: 08 Apr 2019 11:03

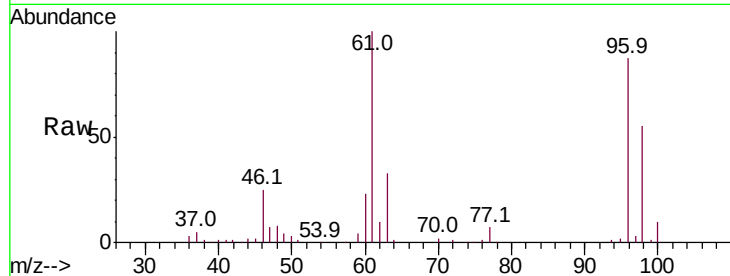
Tot Ion: 96 Resp: 97465

Ion Ratio Lower Upper

96 100

61 114.7 82.7 153.5

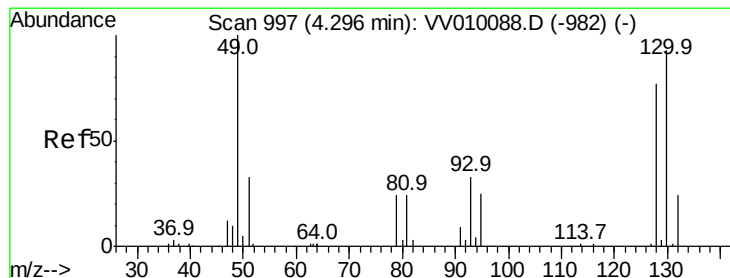
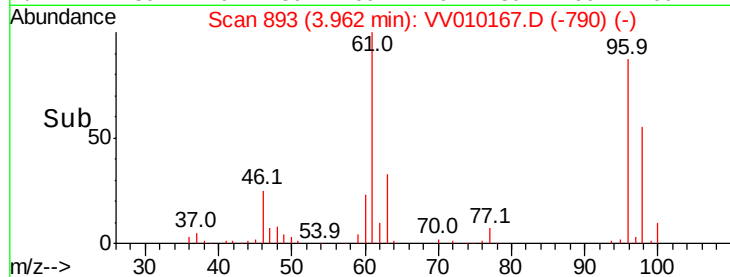
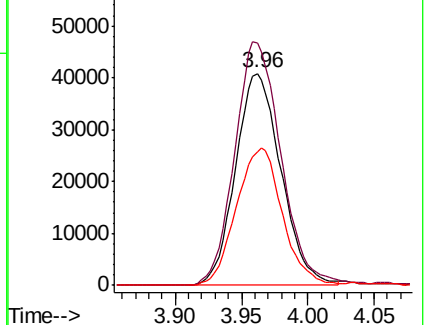
98 62.9 43.9 81.5



Abundance Ion 96.00 (95.70 to 96.70): VV010088.D (-876) (-)

Ion 61.00 (60.70 to 61.70): VV010088.D (-876) (-)

Ion 98.00 (97.70 to 98.70): VV010088.D (-876) (-)



#23

Bromochloromethane

Concen: 27.005 ug/L

RT: 4.30 min Scan# 998

Delta R.T. 0.00 min

Lab File: VV010167.D

Acq: 08 Apr 2019 11:03

Tgt Ion:128 Resp: 47571

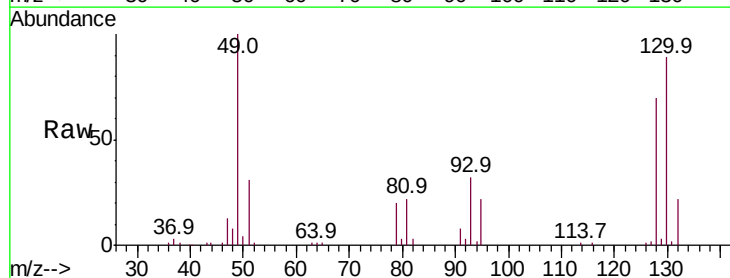
Ion Ratio Lower Upper

128 100

49 142.4 92.8 172.4

130 126.7 80.6 149.6

51 44.8 33.1 49.7

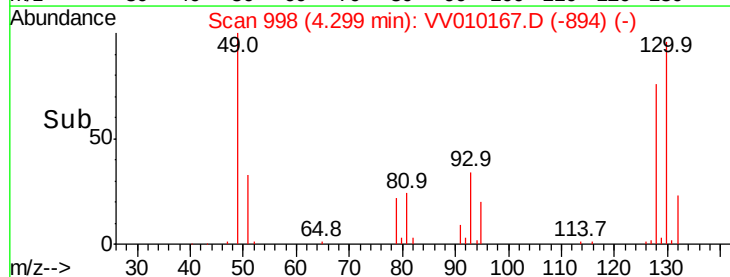
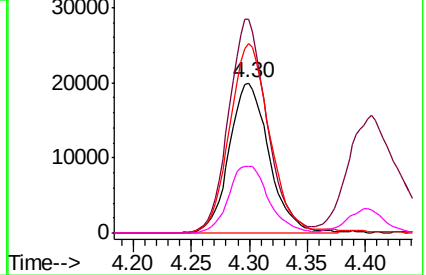


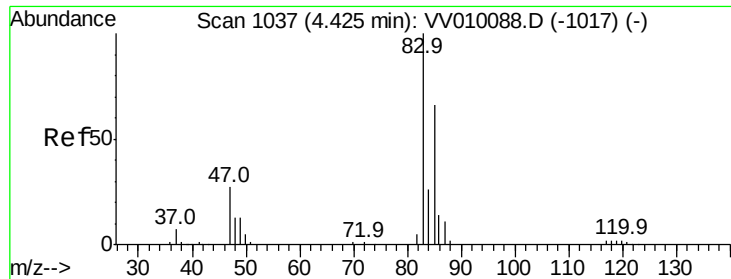
Abundance Ion 128.00 (127.70 to 128.70): VV010088.D (-982) (-)

Ion 49.00 (48.70 to 49.70): VV010088.D (-982) (-)

Ion 130.00 (129.70 to 130.70): VV010088.D (-982) (-)

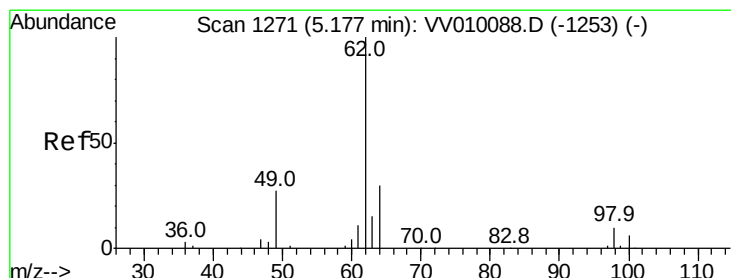
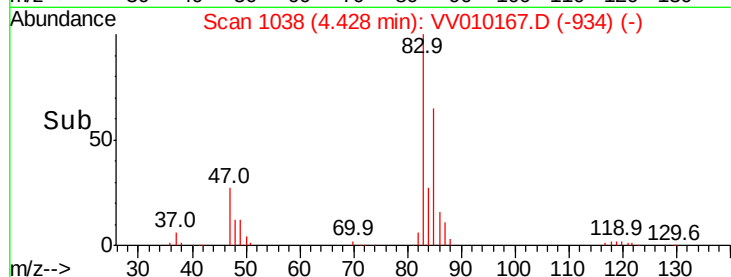
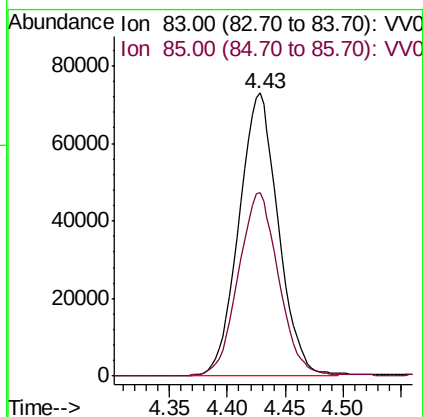
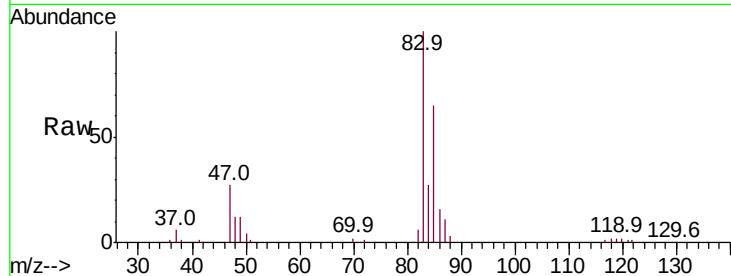
Ion 51.00 (50.70 to 51.70): VV010088.D (-982) (-)





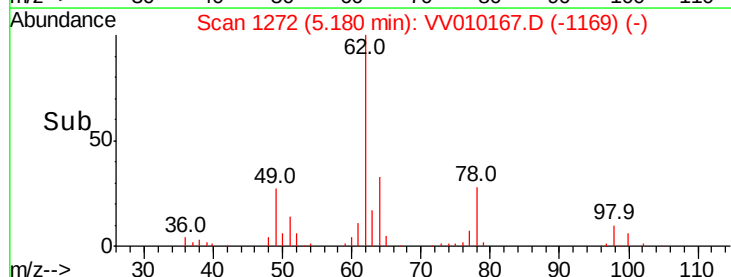
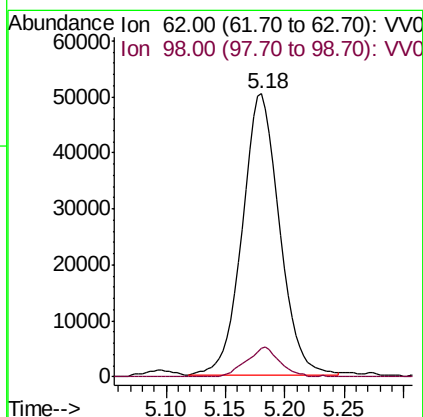
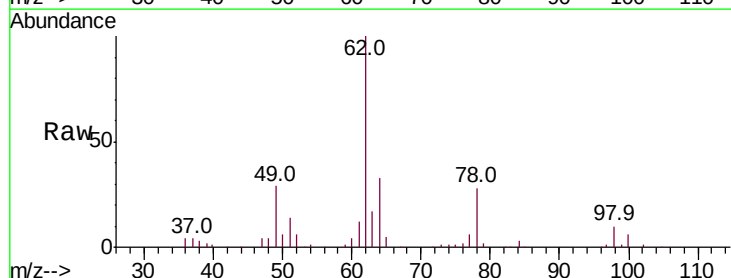
#25
Chloroform
Concen: 27.761 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV010167.D
Acq: 08 Apr 2019 11:03

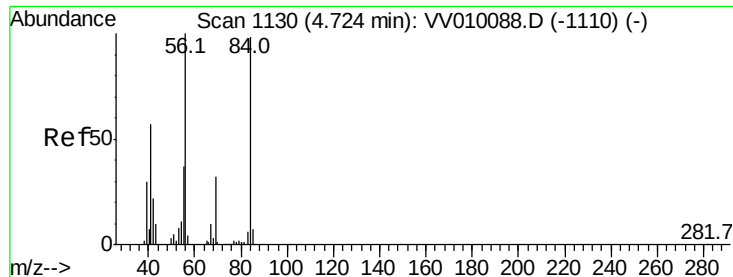
Tot Ion: 83 Resp: 172828
Ion Ratio Lower Upper
83 100
85 66.3 46.4 86.2



#27
1,2-Dichloroethane
Concen: 25.717 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV010167.D
Acq: 08 Apr 2019 11:03

Tgt Ion: 62 Resp: 109210
Ion Ratio Lower Upper
62 100
98 10.0 7.2 10.8





#30

Cyclohexane

Concen: 26.409 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VV010167.D

Acq: 08 Apr 2019 11:03

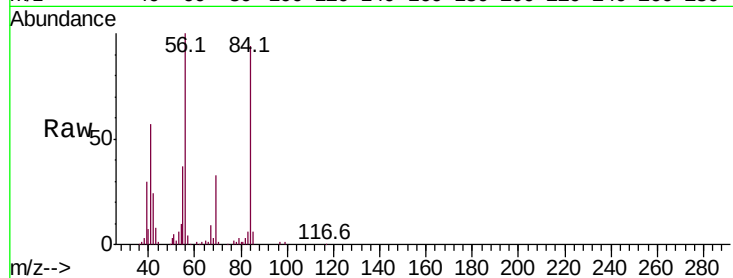
Tot Ion: 56 Resp: 125452

Ion Ratio Lower Upper

56 100

69 31.9 25.1 37.7

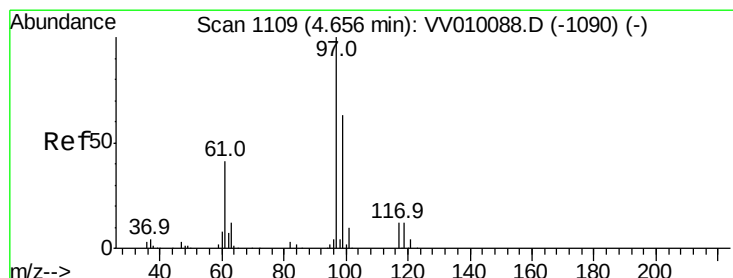
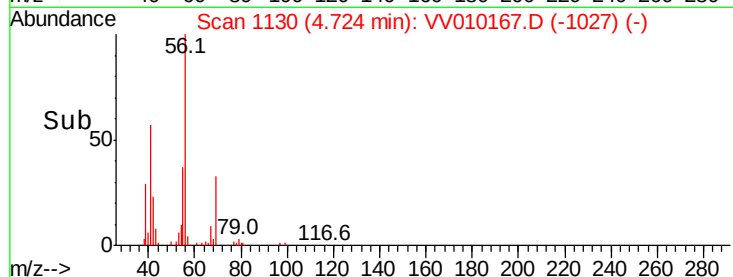
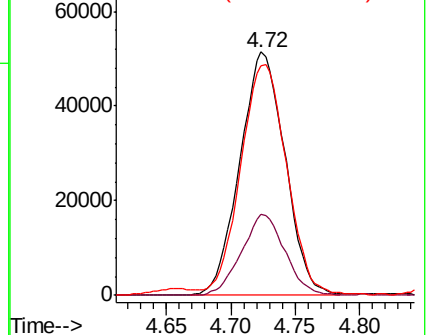
84 96.7 76.0 114.0



Abundance Ion 56.00 (55.70 to 56.70): VV010167.D (-1027) (-)

Ion 69.00 (68.70 to 69.70): VV010167.D (-1027) (-)

Ion 84.00 (83.70 to 84.70): VV010167.D (-1027) (-)



#31

1,1,1-Trichloroethane

Concen: 28.736 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VV010167.D

Acq: 08 Apr 2019 11:03

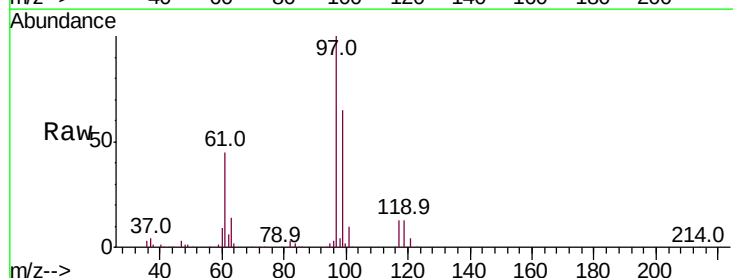
Tgt Ion: 97 Resp: 154219

Ion Ratio Lower Upper

97 100

99 64.5 52.4 78.6

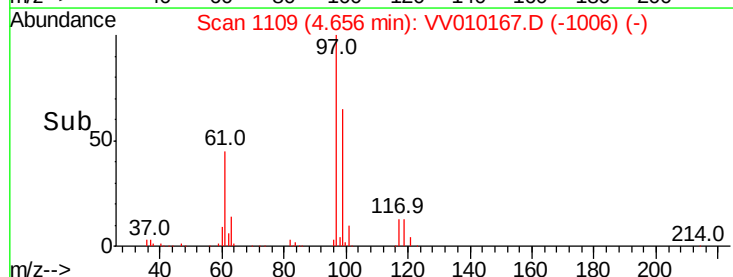
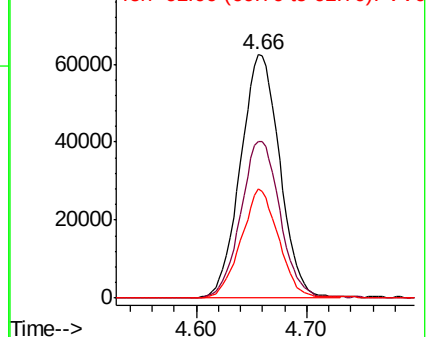
61 42.5 34.1 51.1

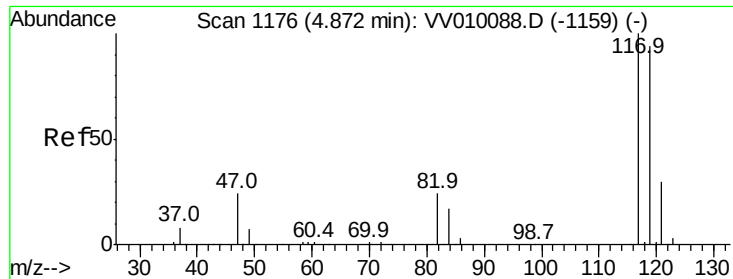


Abundance Ion 97.00 (96.70 to 97.70): VV010167.D (-1006) (-)

Ion 99.00 (98.70 to 99.70): VV010167.D (-1006) (-)

Ion 61.00 (60.70 to 61.70): VV010167.D (-1006) (-)





#32

Carbon tetrachloride

Concen: 29.612 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VV010167.D

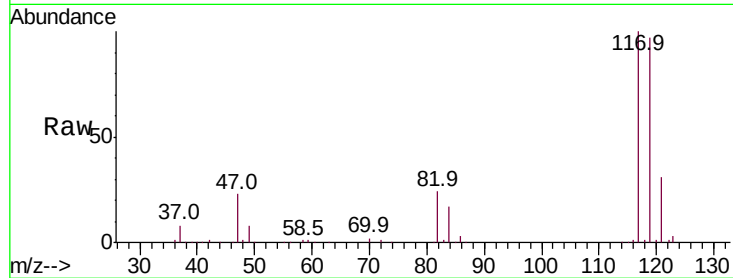
Acq: 08 Apr 2019 11:03

Tot Ion:117 Resp: 142045

Ion Ratio Lower Upper

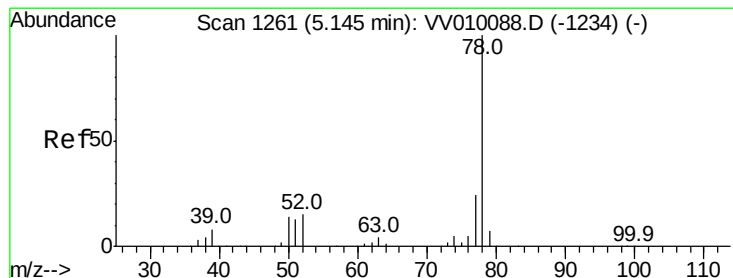
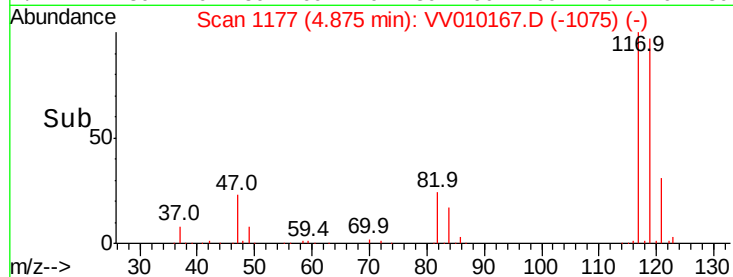
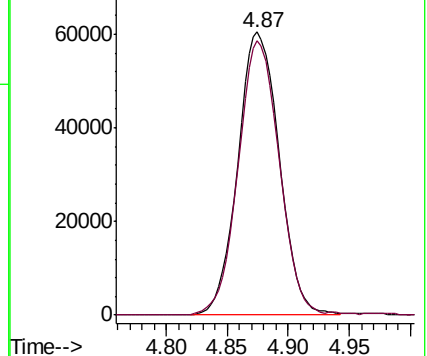
117 100

119 95.8 76.1 114.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 26.420 ug/L

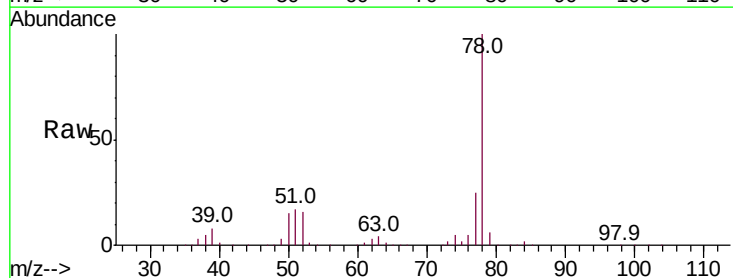
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

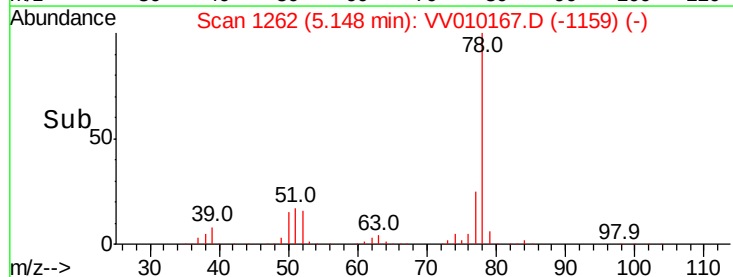
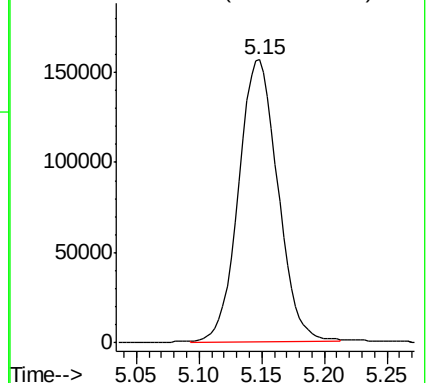
Lab File: VV010167.D

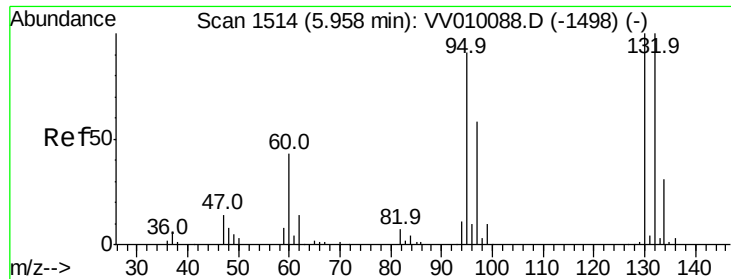
Acq: 08 Apr 2019 11:03

Tgt Ion: 78 Resp: 339992



Abundance Ion 78.00 (77.70 to 78.70): VV0





#35

Trichloroethene

Concen: 26.969 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV010167.D

Acq: 08 Apr 2019 11:03

Tot Ion: 95 Resp: 99894

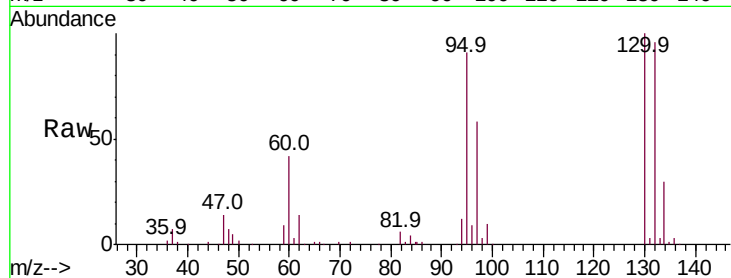
Ion Ratio Lower Upper

95 100

97 65.8 45.8 85.2

132 104.1 70.6 131.0

130 109.7 76.1 141.3

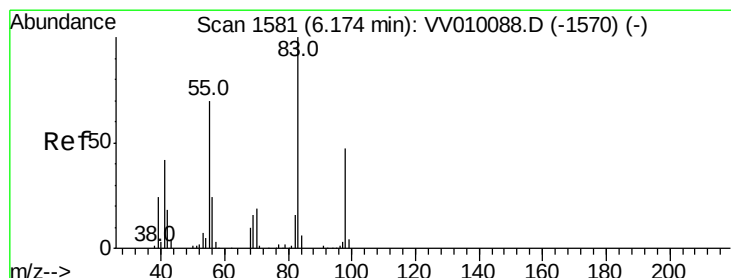
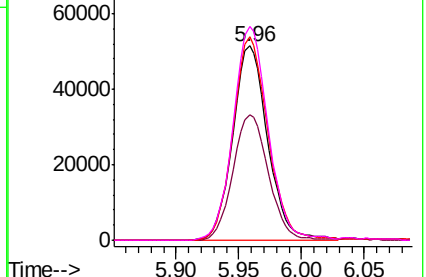
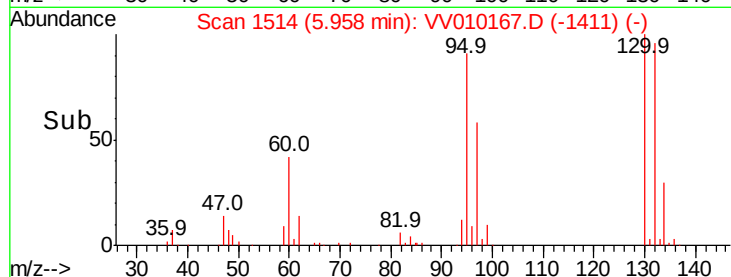


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#36

Methylcyclohexane

Concen: 27.822 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VV010167.D

Acq: 08 Apr 2019 11:03

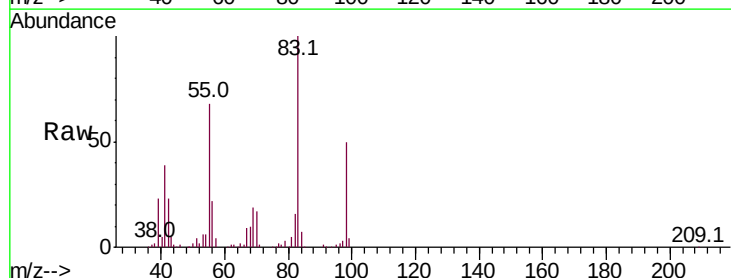
Tgt Ion: 83 Resp: 154387

Ion Ratio Lower Upper

83 100

55 68.0 56.3 84.5

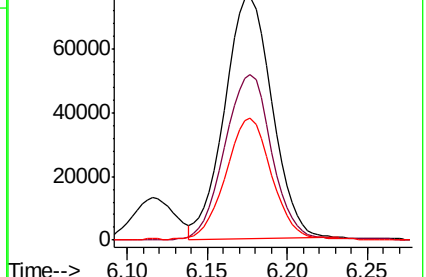
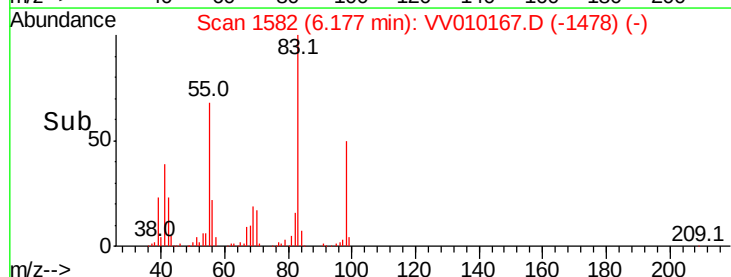
98 48.0 39.0 58.6

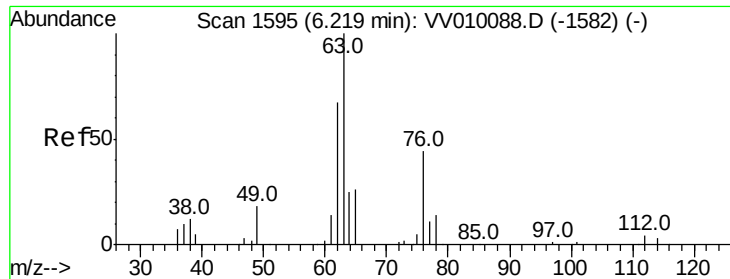


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#40

1,2-Dichloropropane

Concen: 26.118 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. 0.00 min

Lab File: VV010167.D

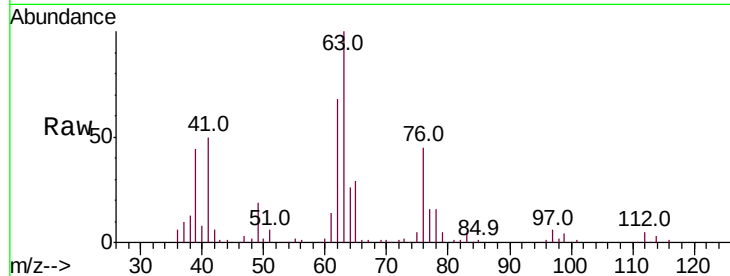
Acq: 08 Apr 2019 11:03

Tot Ion: 63 Resp: 84922

Ion Ratio Lower Upper

63 100

112 4.7 3.6 5.4



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 112.00 (111.70 to 112.70): V

6.22

50000

40000

30000

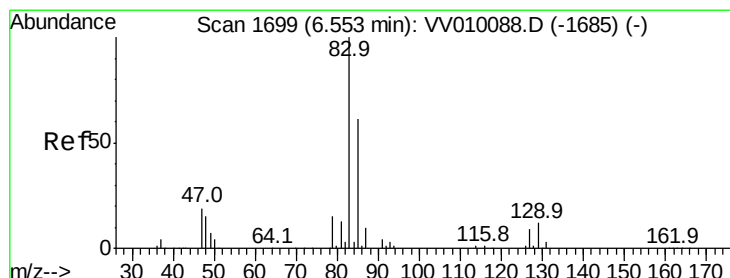
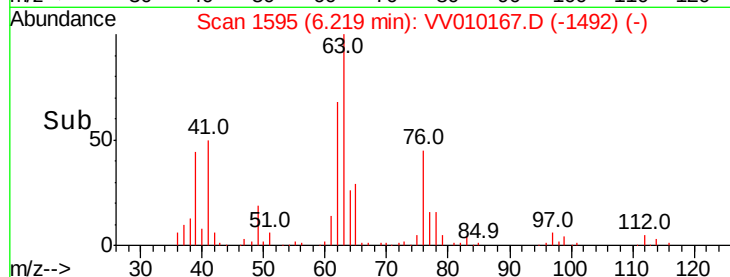
20000

10000

0

6.15 6.20 6.25 6.30

Time-->



#41

Bromodichloromethane

Concen: 28.048 ug/L

RT: 6.56 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VV010167.D

Acq: 08 Apr 2019 11:03

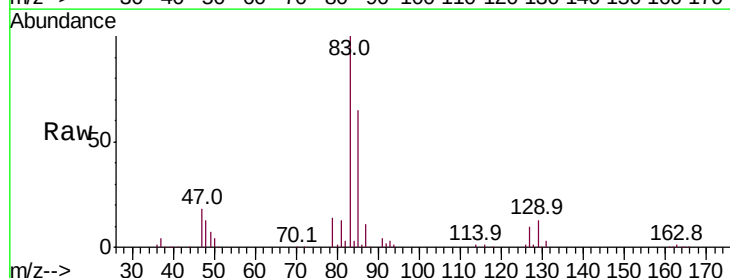
Tgt Ion: 83 Resp: 118601

Ion Ratio Lower Upper

83 100

85 64.8 47.5 88.3

127 9.5 7.7 11.5



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 127.00 (126.70 to 127.70): V

6.56

80000

60000

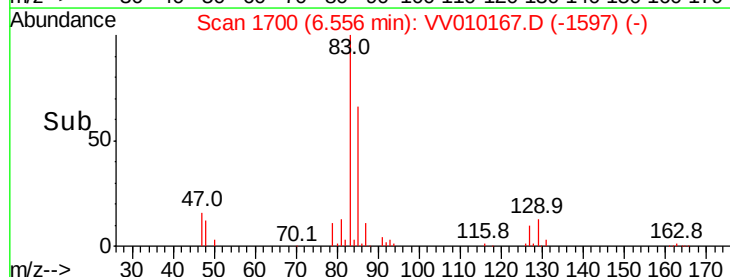
40000

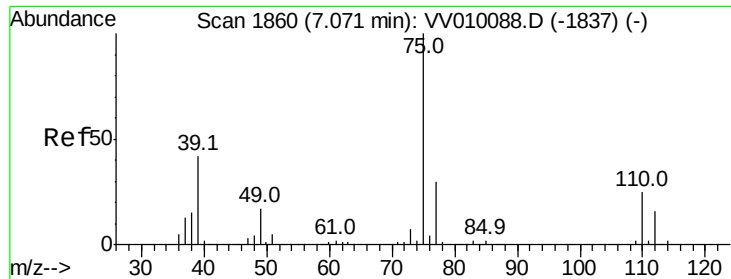
20000

0

6.50 6.55 6.60 6.65

Time-->





#42

cis-1,3-Dichloropropene

Concen: 27.080 ug/L

RT: 7.07 min Scan# 1860

Delta R.T. 0.00 min

Lab File: VV010167.D

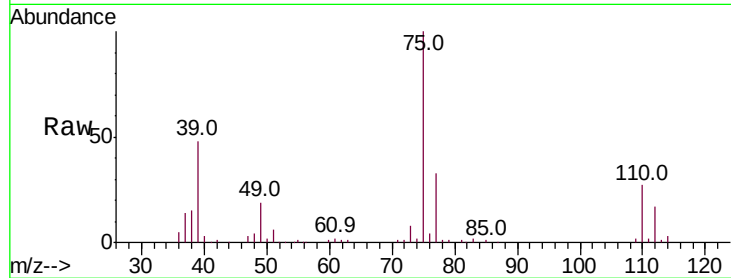
Acq: 08 Apr 2019 11:03

Tot Ion: 75 Resp: 127458

Ion Ratio Lower Upper

75 100

77 32.8 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VV010088.D (-1837) (-)

Ion 77.00 (76.70 to 77.70): VV010088.D (-1837) (-)

7.07

80000

60000

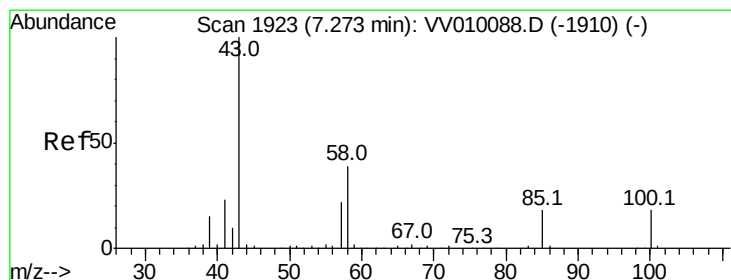
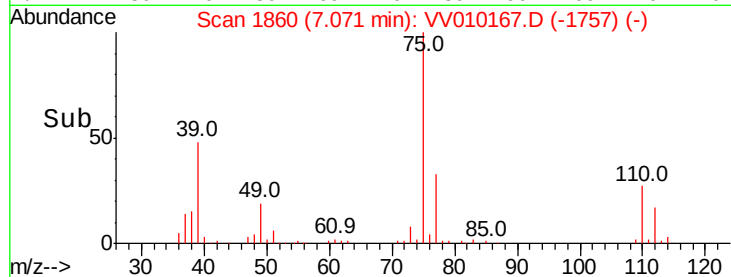
40000

20000

0

7.00 7.05 7.10

Time-->



#43

4-Methyl-2-pentanone

Concen: 48.522 ug/L

RT: 7.28 min Scan# 1924

Delta R.T. 0.00 min

Lab File: VV010167.D

Acq: 08 Apr 2019 11:03

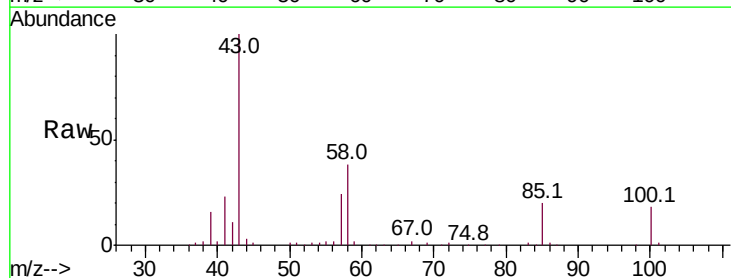
Tgt Ion: 43 Resp: 116731

Ion Ratio Lower Upper

43 100

58 38.7 31.5 47.3

100 16.7 13.4 20.0



Abundance Ion 43.00 (42.70 to 43.70): VV010088.D (-1910) (-)

Ion 58.00 (57.70 to 58.70): VV010088.D (-1910) (-)

Ion 100.00 (99.70 to 100.70): VV010088.D (-1910) (-)

150000

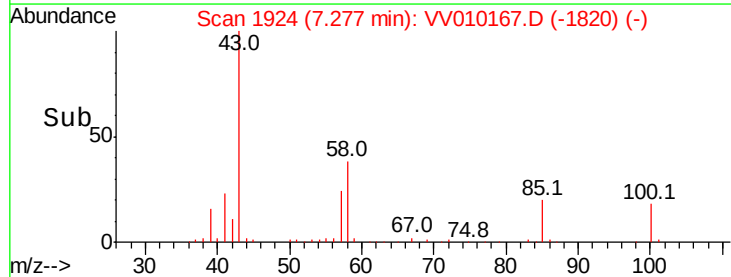
100000

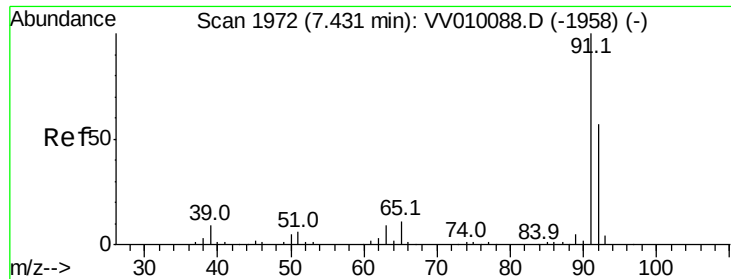
50000

0

7.20 7.25 7.30 7.35

Time-->





#44

Toluene

Concen: 27.653 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV010167.D

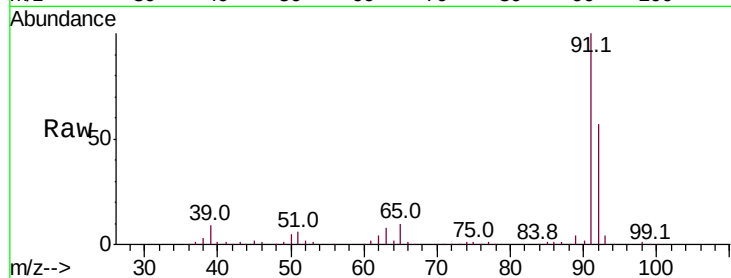
Acq: 08 Apr 2019 11:03

Tot Ion: 91 Resp: 399380

Ion Ratio Lower Upper

91 100

92 56.8 41.0 76.2



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

250000

200000

150000

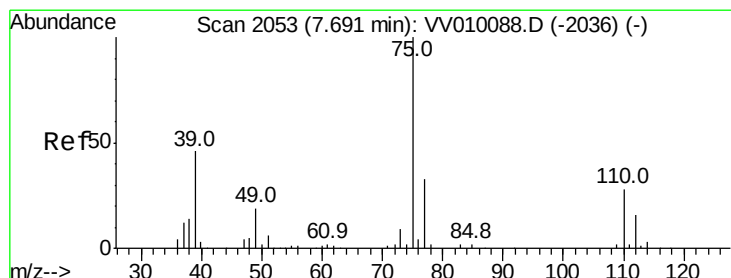
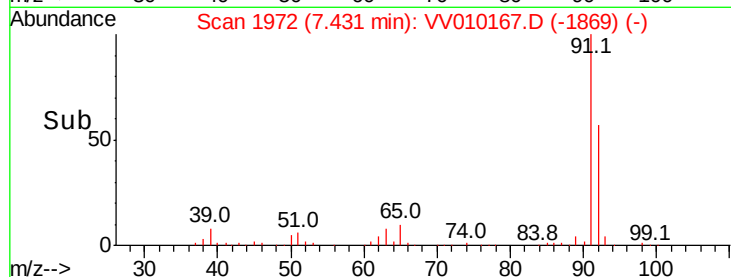
100000

50000

0

7.35 7.40 7.45 7.50

Time-->



#45

trans-1,3-Dichloropropene

Concen: 28.137 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV010167.D

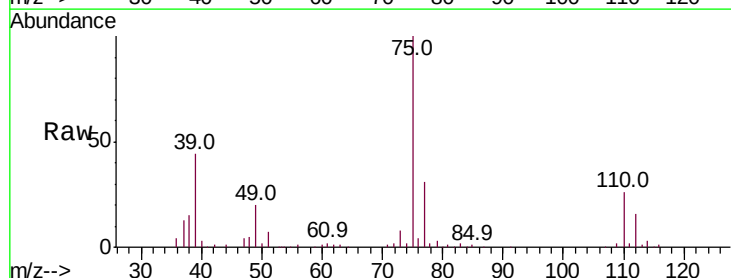
Acq: 08 Apr 2019 11:03

Tgt Ion: 75 Resp: 112630

Ion Ratio Lower Upper

75 100

77 30.6 23.5 43.7



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

60000

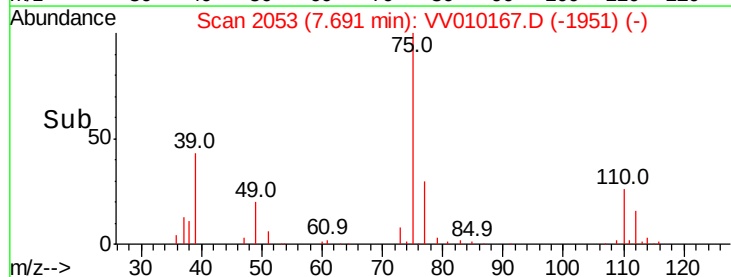
40000

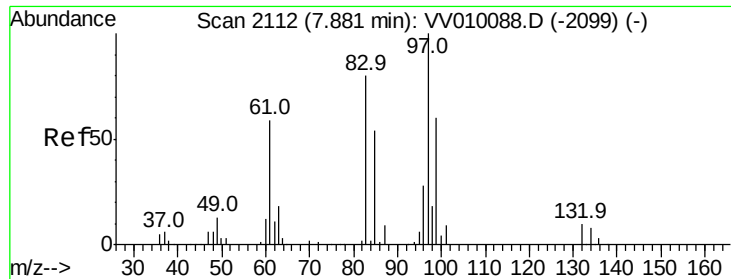
20000

0

7.60 7.65 7.70 7.75

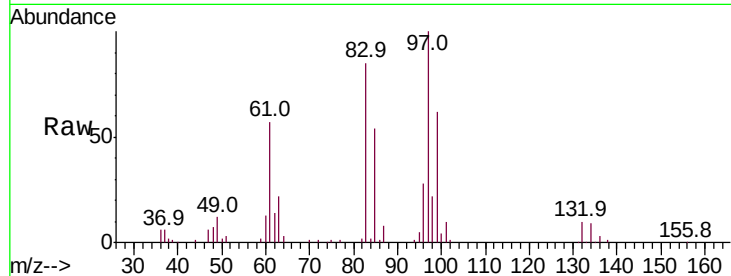
Time-->





#46
 1,1,2-Trichloroethane
 Concen: 25.613 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV010167.D
 Acq: 08 Apr 2019 11:03

Tot Ion:	97	Resp:	73844
Ion	Ratio	Lower	Upper
97	100		
83	84.7	58.5	108.7
85	54.2	37.2	69.2
99	62.2	43.3	80.3



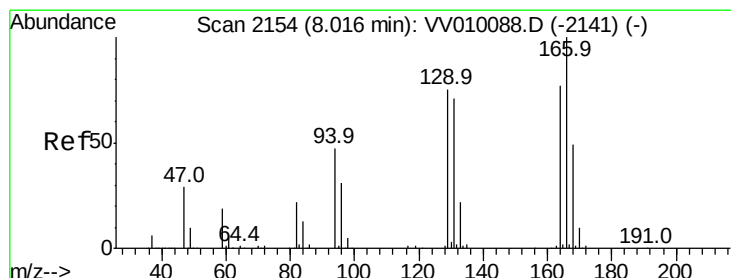
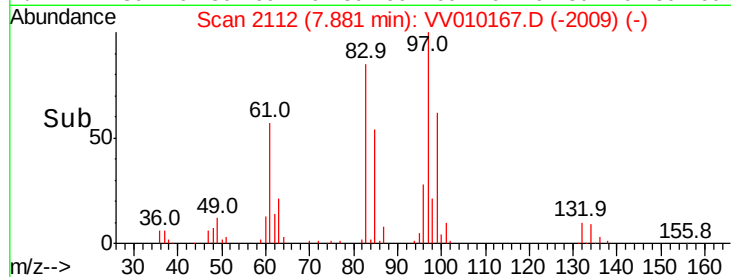
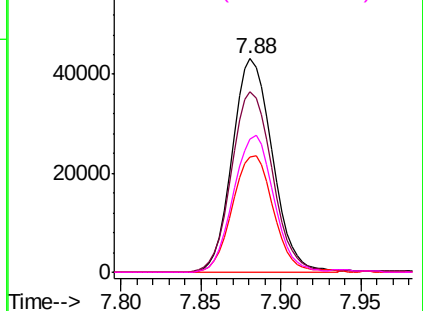
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

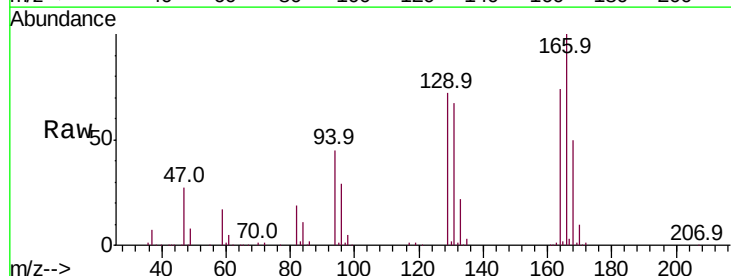
Ion 85.00 (84.70 to 85.70): VV0

Ion 99.00 (98.70 to 99.70): VV0



#47
 Tetrachloroethene
 Concen: 28.005 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV010167.D
 Acq: 08 Apr 2019 11:03

Tgt Ion:	164	Resp:	86826
Ion	Ratio	Lower	Upper
164	100		
129	97.5	67.8	125.8
131	90.8	65.2	121.0
166	135.8	93.8	174.2



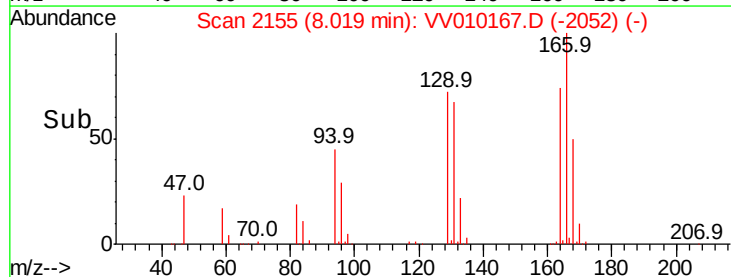
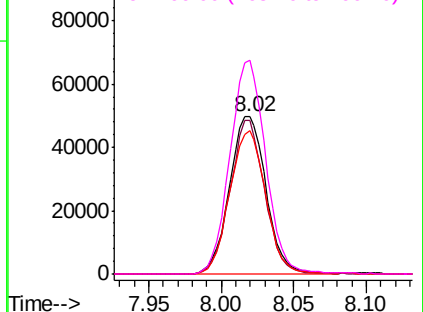
Abundance

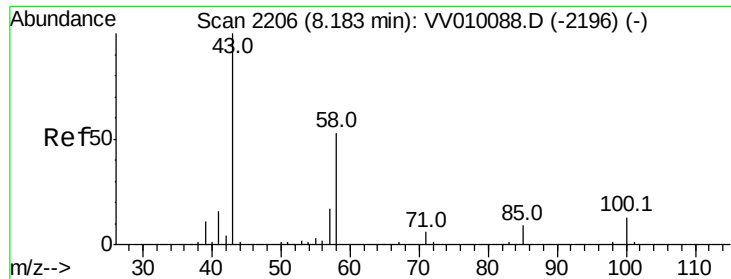
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

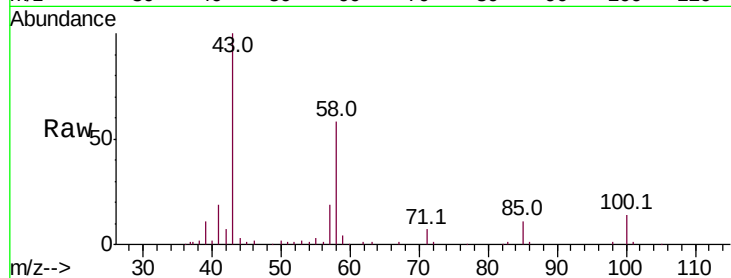
Ion 166.00 (165.70 to 166.70): V



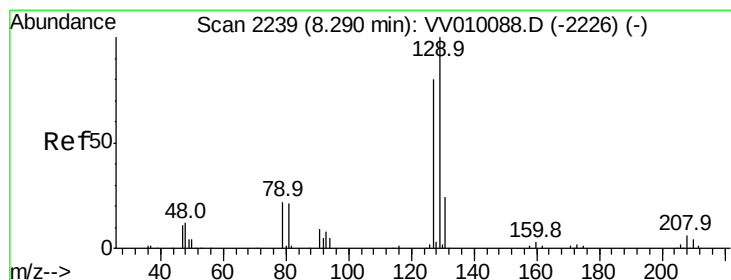
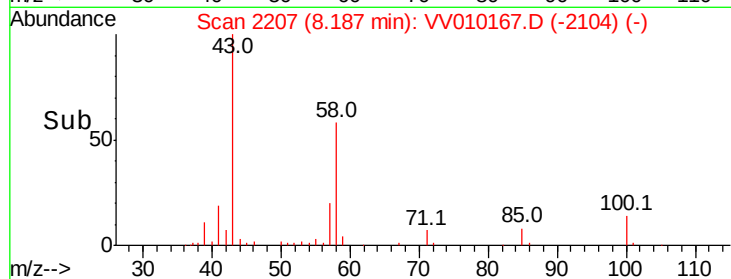
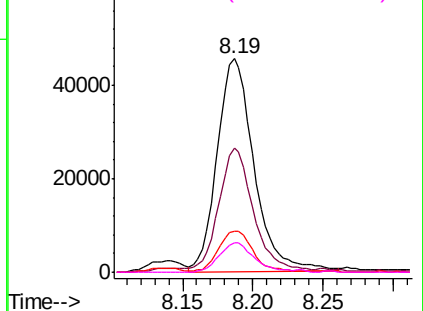


#49
2-Hexanone
Concen: 48.416 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV010167.D
Acq: 08 Apr 2019 11:03

Tot Ion: 43 Resp: 83193
Ion Ratio Lower Upper
43 100
58 52.6 44.3 66.5
57 18.2 13.8 20.8
100 13.1 10.6 15.8

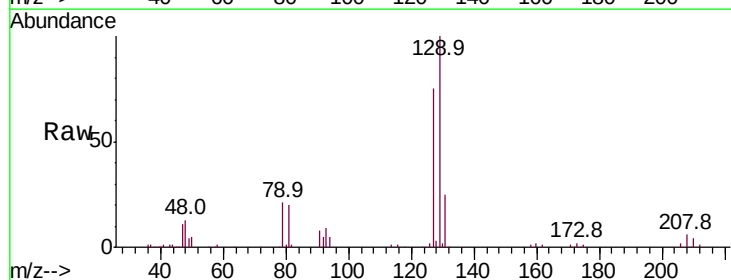


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

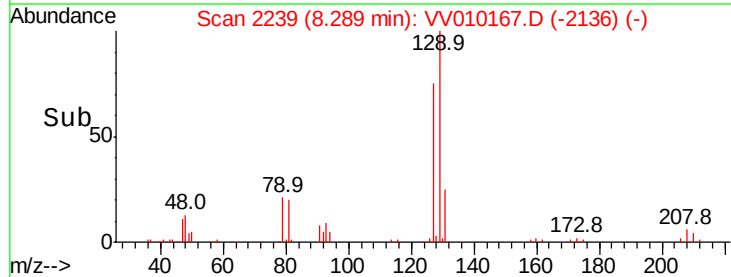
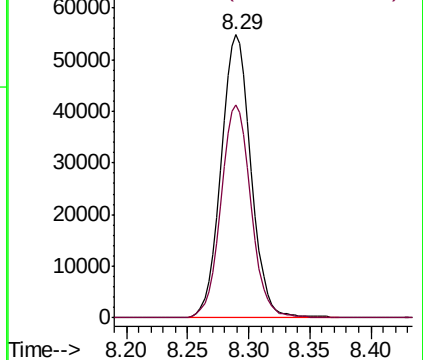


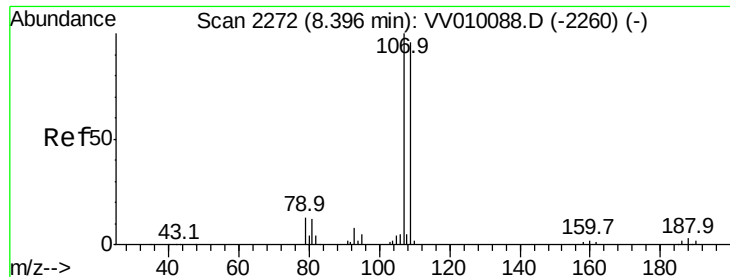
#50
Dibromochloromethane
Concen: 29.212 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV010167.D
Acq: 08 Apr 2019 11:03

Tgt Ion: 129 Resp: 94410
Ion Ratio Lower Upper
129 100
127 75.1 52.1 96.7



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V





#51

1,2-Dibromoethane

Concen: 26.268 ug/L

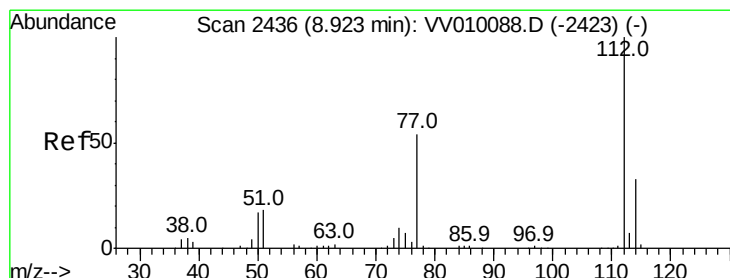
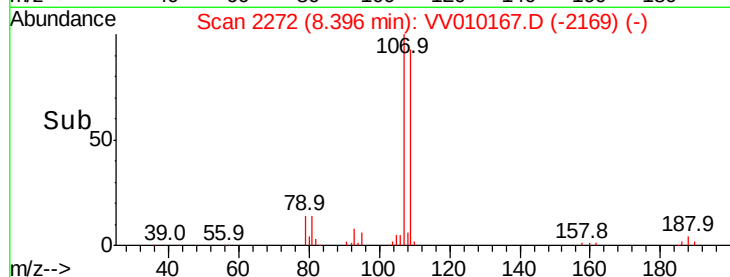
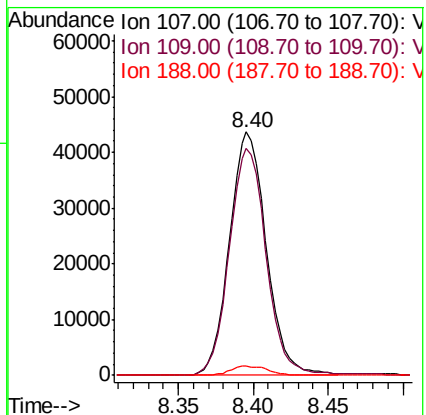
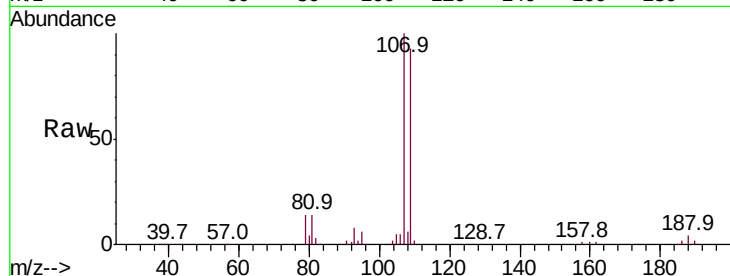
RT: 8.40 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VV010167.D

Acq: 08 Apr 2019 11:03

Tot Ion:	107	Resp:	74845
Ion	Ratio	Lower	Upper
107	100		
109	93.1	66.5	123.5
188	3.8	3.3	4.9



#52

Chlorobenzene

Concen: 27.915 ug/L

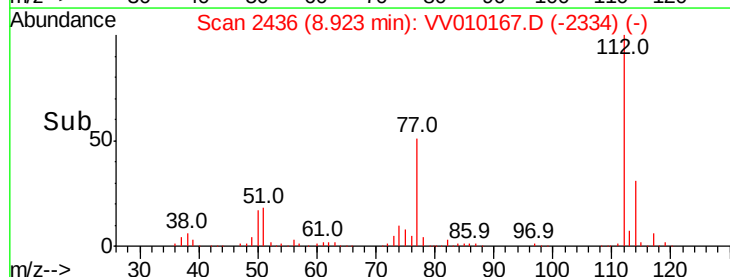
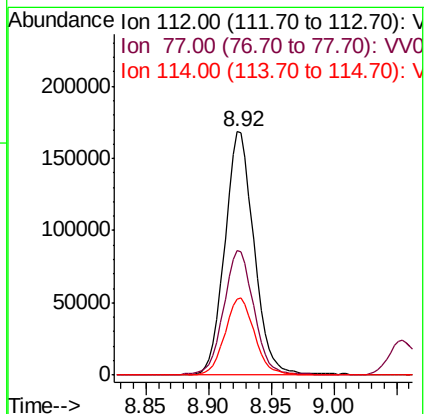
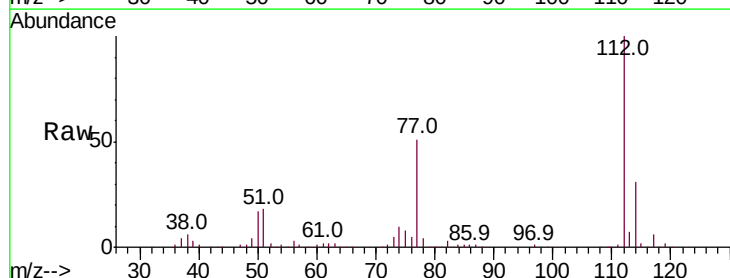
RT: 8.92 min Scan# 2436

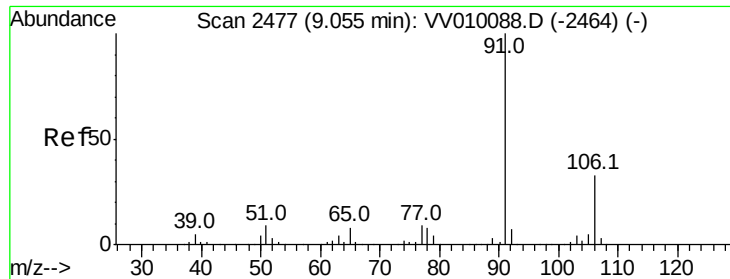
Delta R.T. -0.00 min

Lab File: VV010167.D

Acq: 08 Apr 2019 11:03

Tgt Ion:	112	Resp:	275003
Ion	Ratio	Lower	Upper
112	100		
77	51.4	42.9	64.3
114	31.4	23.4	43.4





#53

Ethylbenzene

Concen: 28.529 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV010167.D

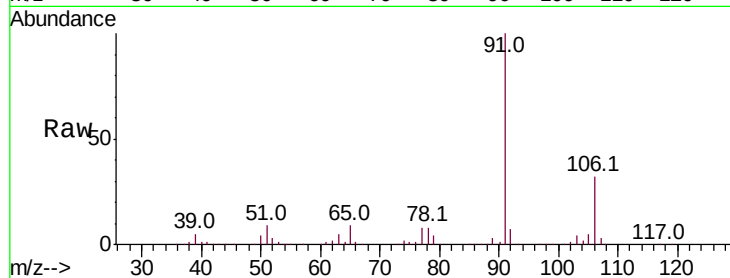
Acq: 08 Apr 2019 11:03

Tot Ion: 91 Resp: 451817

Ion Ratio Lower Upper

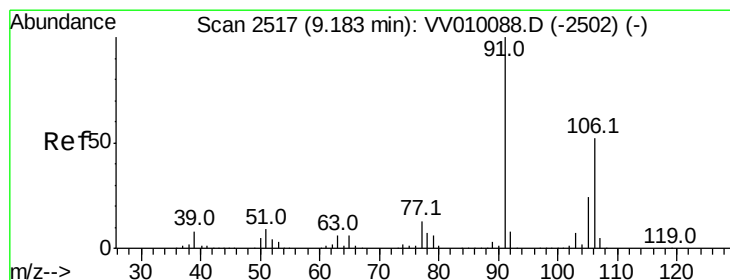
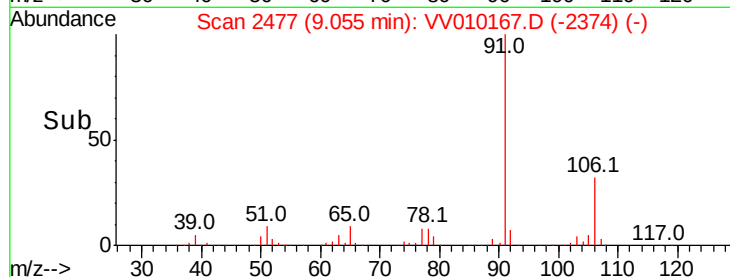
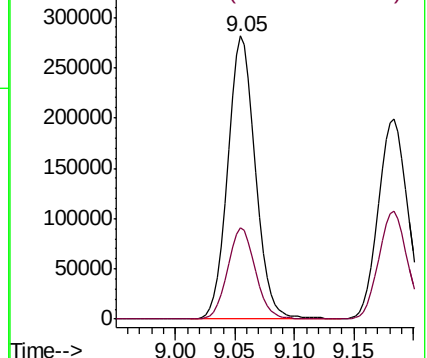
91 100

106 32.2 23.1 42.9



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 29.329 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV010167.D

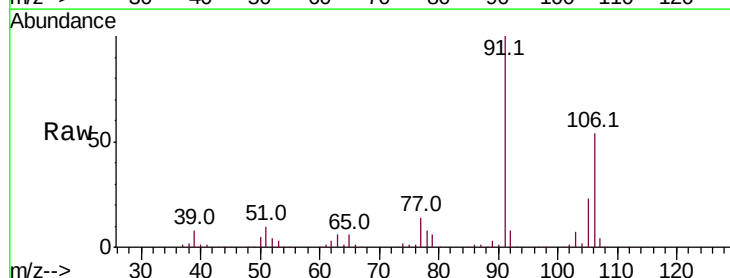
Acq: 08 Apr 2019 11:03

Tgt Ion: 106 Resp: 180790

Ion Ratio Lower Upper

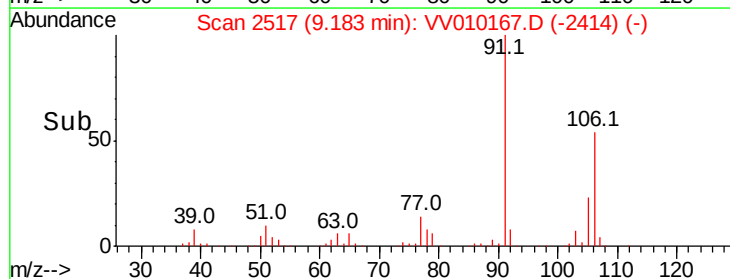
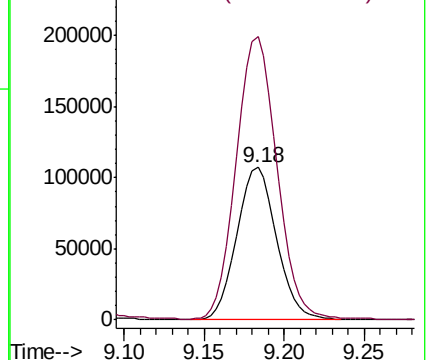
106 100

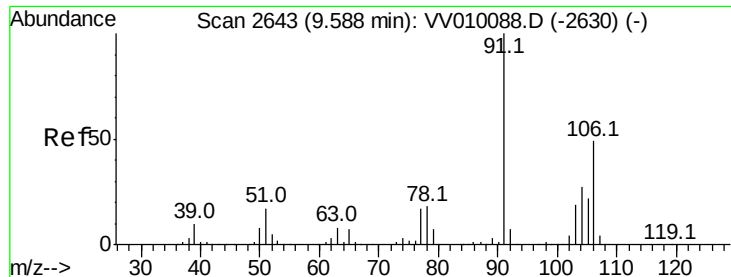
91 185.6 139.3 258.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0





#55

o-xylene

Concen: 29.495 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV010167.D

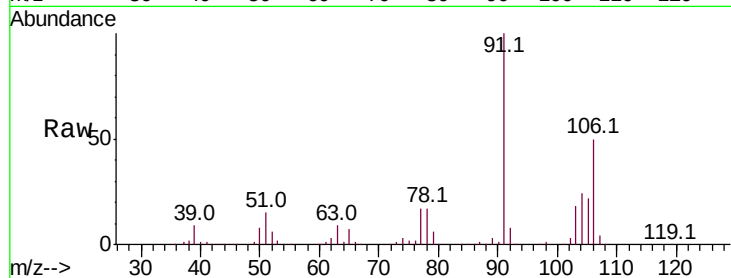
Acq: 08 Apr 2019 11:03

Tot Ion:106 Resp: 176144

Ion Ratio Lower Upper

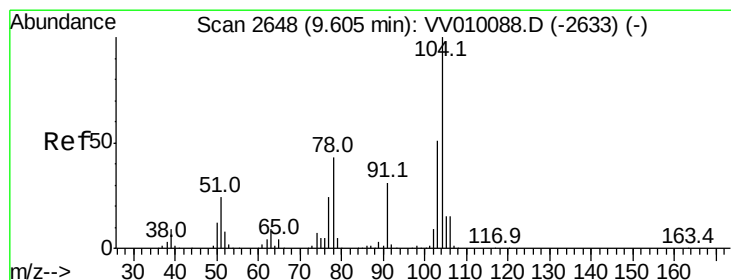
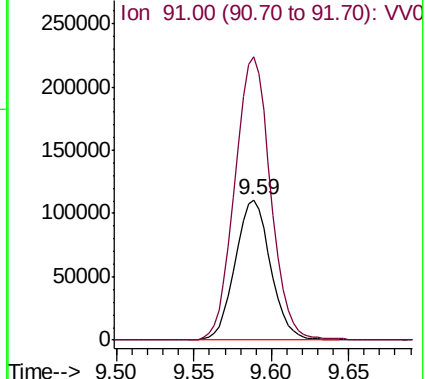
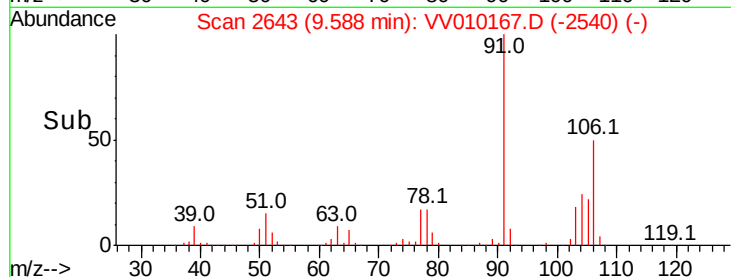
106 100

91 201.4 150.4 279.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#56

Styrene

Concen: 29.324 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV010167.D

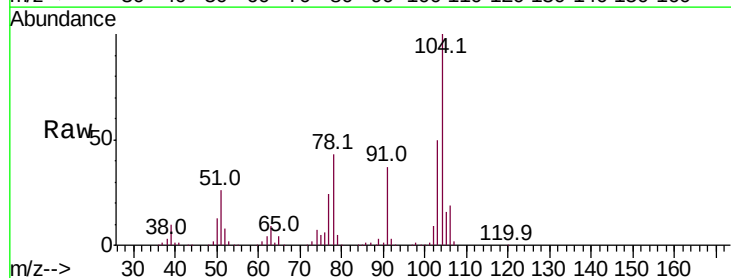
Acq: 08 Apr 2019 11:03

Tgt Ion:104 Resp: 289690

Ion Ratio Lower Upper

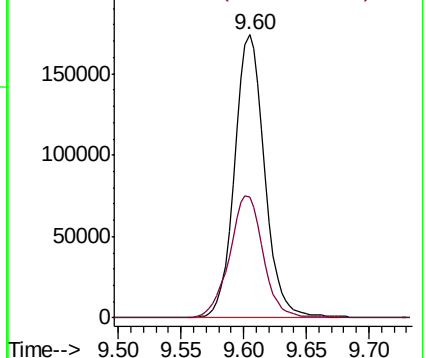
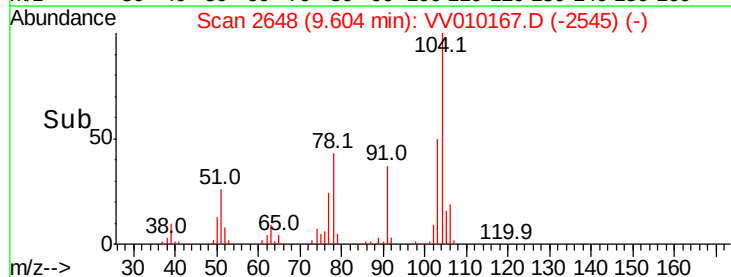
104 100

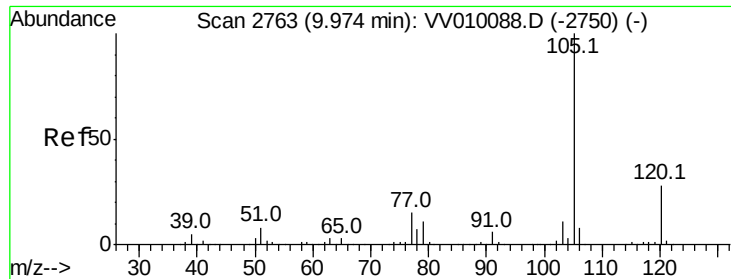
78 42.7 30.5 56.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 30.474 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV010167.D

Acq: 08 Apr 2019 11:03

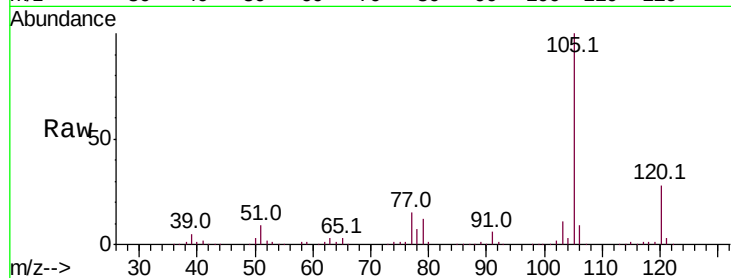
Tot Ion:105 Resp: 479954

Ion Ratio Lower Upper

105 100

120 27.1 21.5 32.3

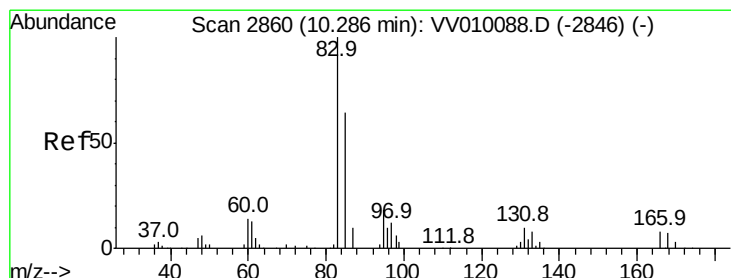
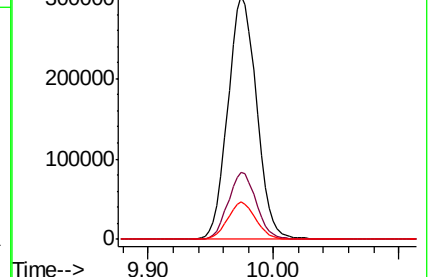
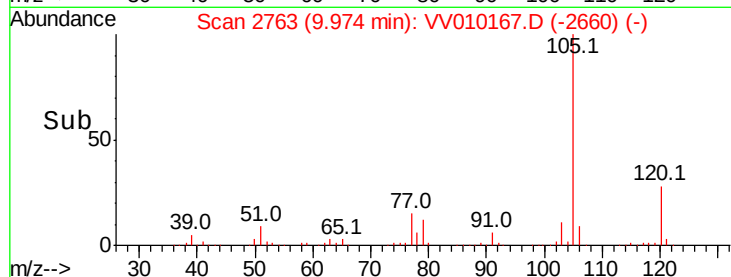
77 15.1 12.4 18.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 24.585 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV010167.D

Acq: 08 Apr 2019 11:03

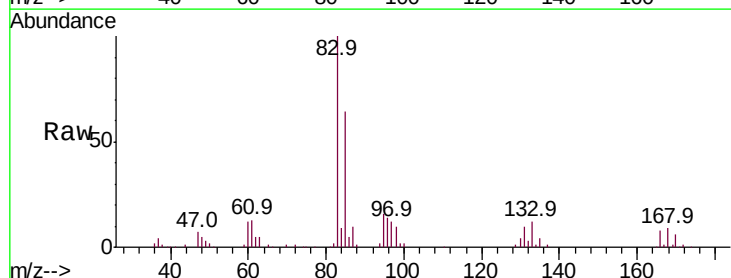
Tgt Ion: 83 Resp: 91036

Ion Ratio Lower Upper

83 100

85 64.3 46.1 85.7

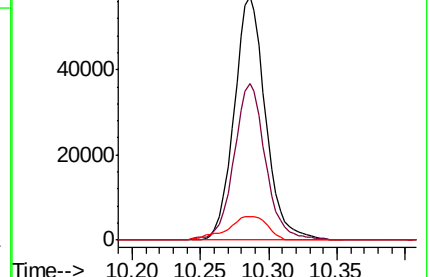
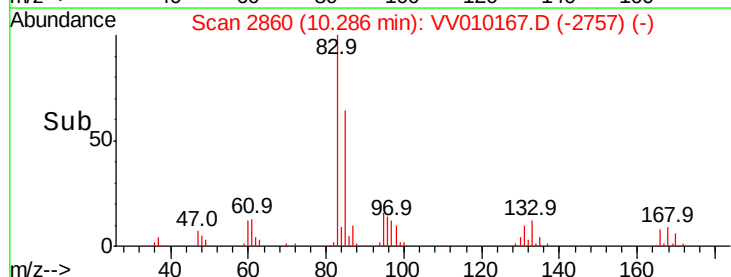
131 9.6 9.0 13.4

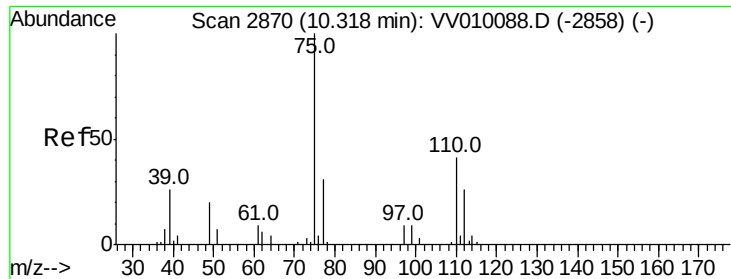


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

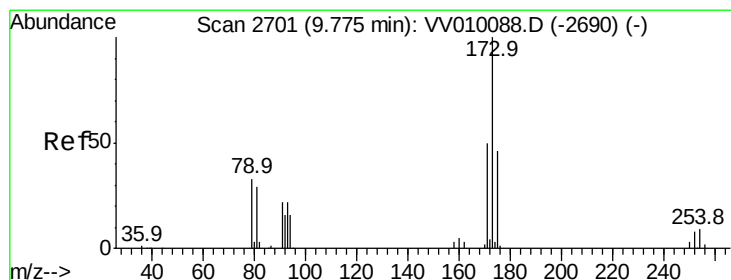
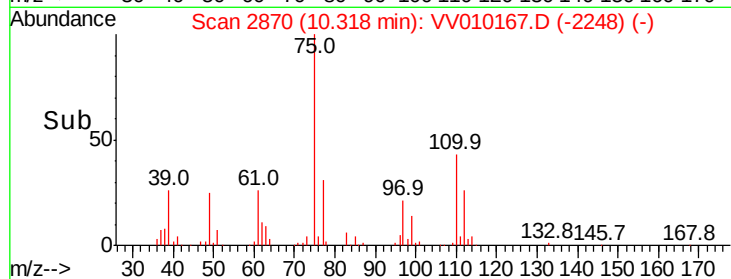
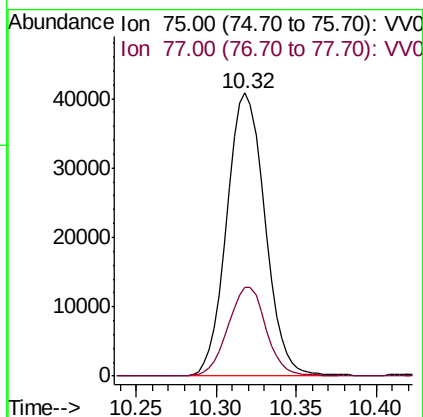
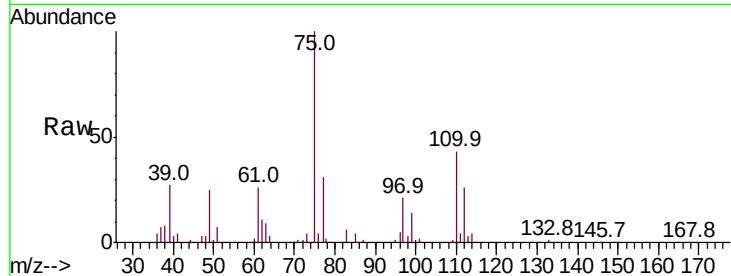
Ion 131.00 (130.70 to 131.70): V





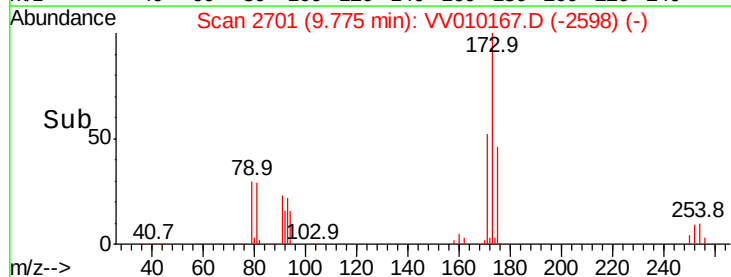
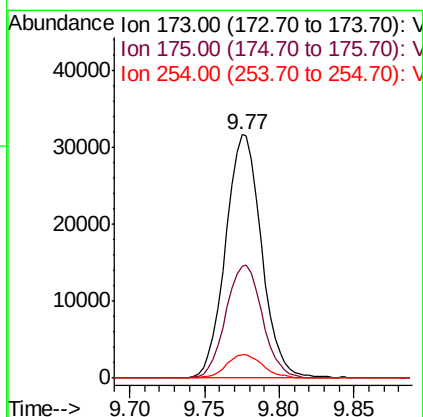
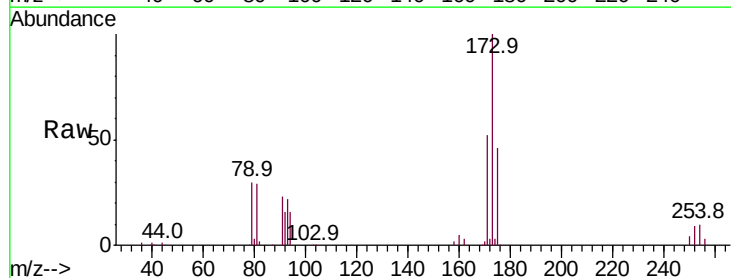
#59
 1,2,3-Trichloropropane
 Concen: 25.146 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VV010167.D
 Acq: 08 Apr 2019 11:03

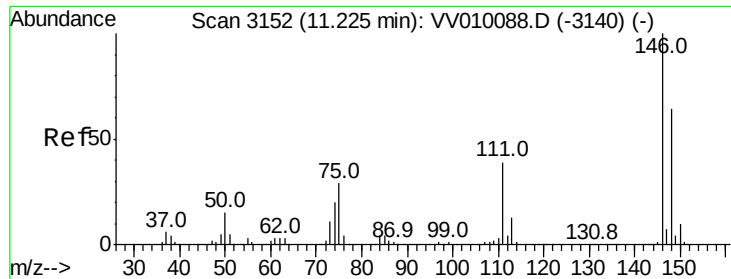
Tot Ion: 75 Resp: 66771
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.8 38.8



#62
 Bromoform
 Concen: 27.795 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. 0.00 min
 Lab File: VV010167.D
 Acq: 08 Apr 2019 11:03

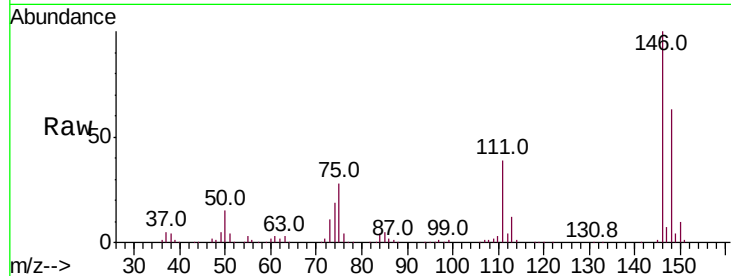
Tgt Ion: 173 Resp: 53029
 Ion Ratio Lower Upper
 173 100
 175 47.2 38.7 58.1
 254 9.9 6.7 10.1





#63
 1,3-Dichlorobenzene
 Concen: 28.796 ug/L
 RT: 11.22 min Scan# 3152
 Delta R.T. -0.00 min
 Lab File: VV010167.D
 Acq: 08 Apr 2019 11:03

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	26.8	49.8
148	62.7	42.7	79.3

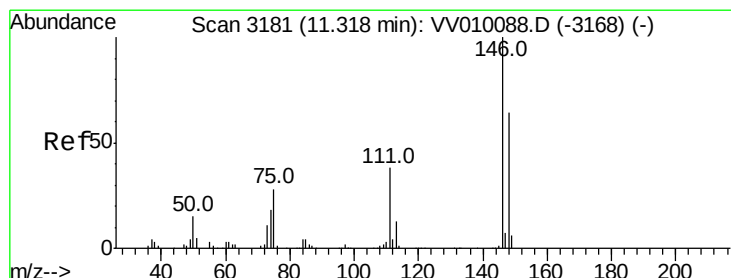
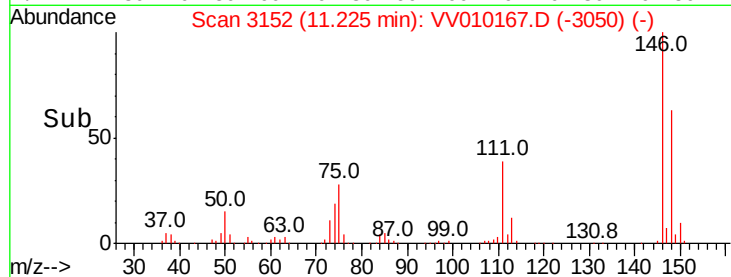
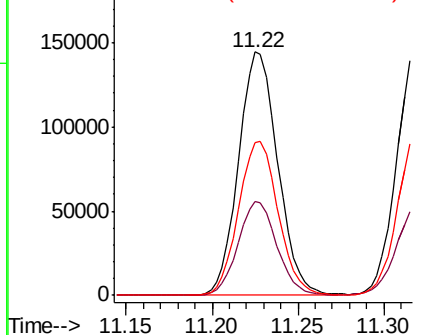


Abundance

Ion 146.00 (145.70 to 146.70): V

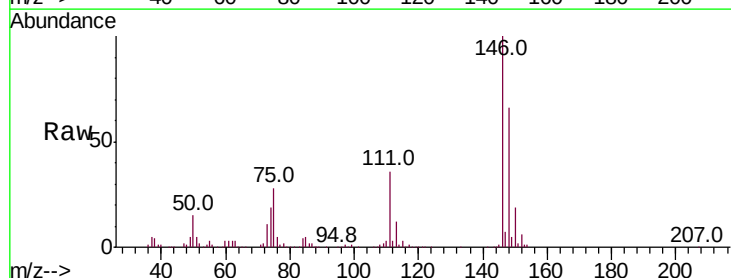
Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#64
 1,4-Dichlorobenzene
 Concen: 28.237 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV010167.D
 Acq: 08 Apr 2019 11:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.1	26.9	50.1
148	65.9	45.6	84.6

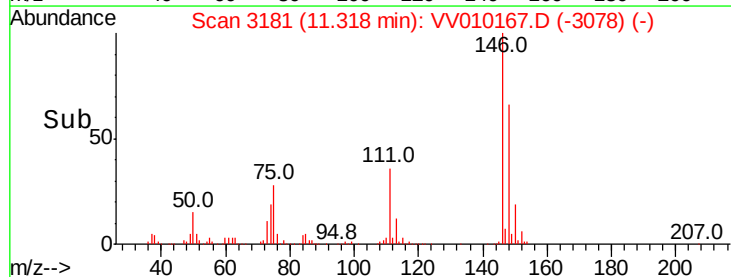
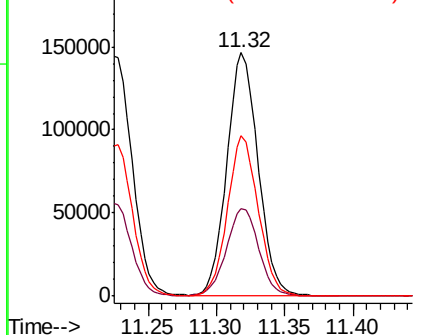


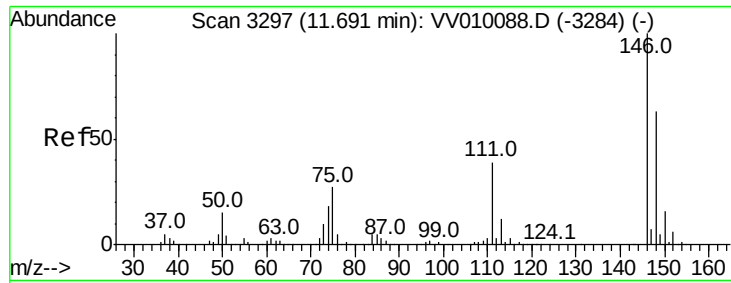
Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

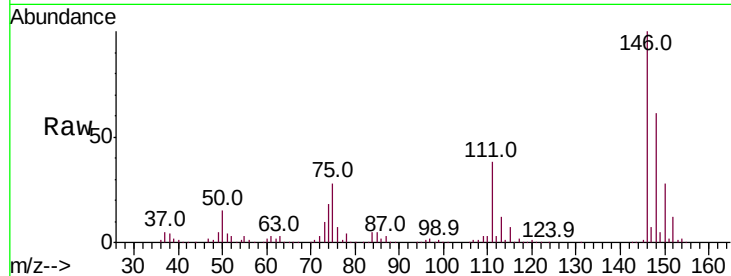
Ion 148.00 (147.70 to 148.70): V



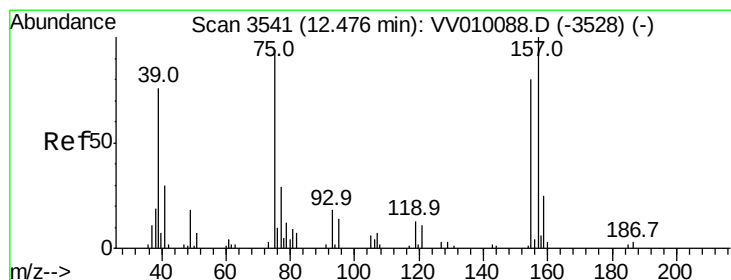
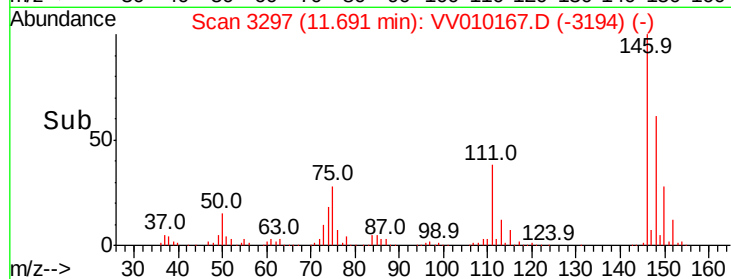
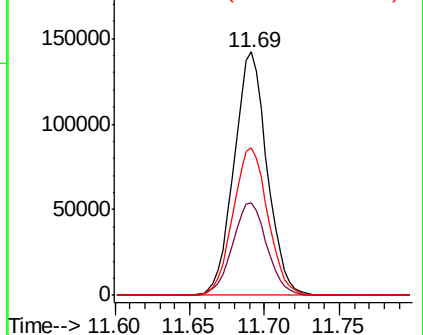


#65
 1,2-Dichlorobenzene
 Concen: 27.971 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VV010167.D
 Acq: 08 Apr 2019 11:03

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	33.2	49.8
148	60.5	51.4	77.0

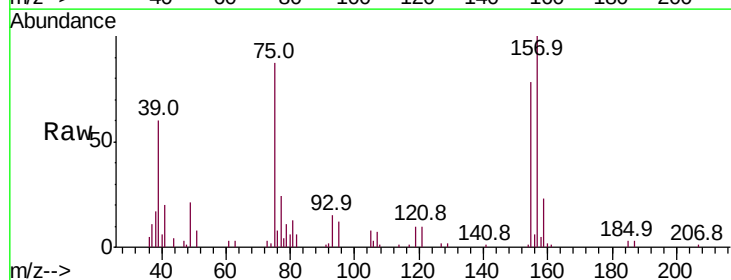


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

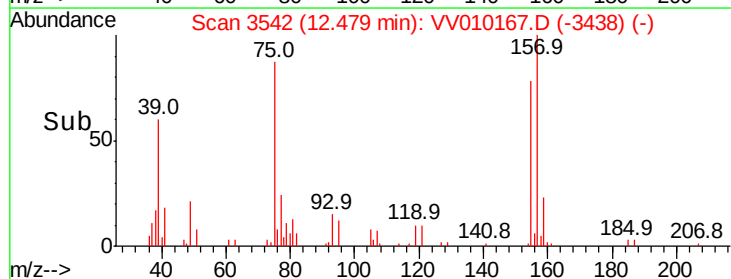
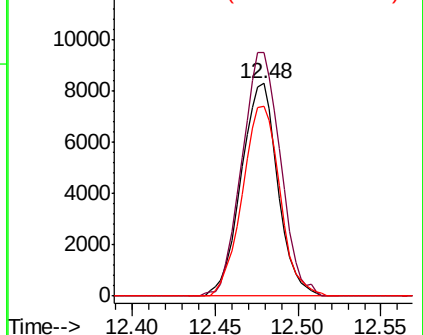


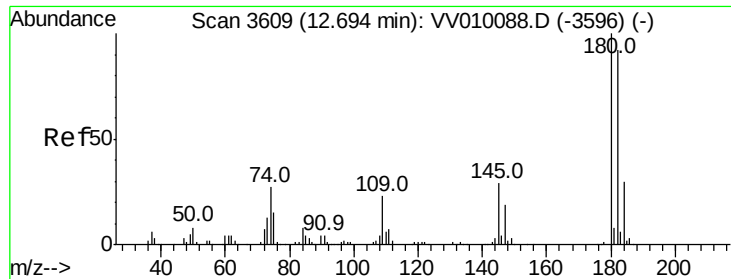
#66
 1,2-Dibromo-3-chloropropane
 Concen: 23.938 ug/L
 RT: 12.48 min Scan# 3542
 Delta R.T. 0.00 min
 Lab File: VV010167.D
 Acq: 08 Apr 2019 11:03

Tgt Ion	Ratio	Lower	Upper
75	100		
157	114.6	83.0	124.6
155	89.5	68.1	102.1



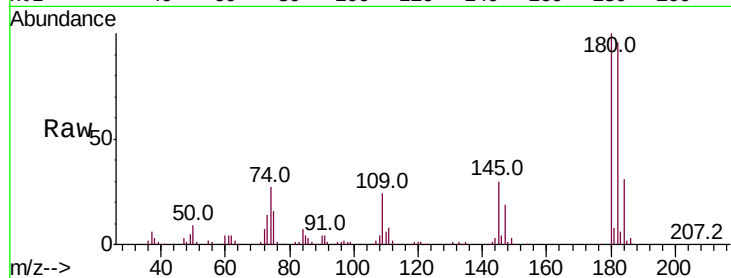
Abundance Ion 75.00 (74.70 to 75.70): VV0
 Ion 157.00 (156.70 to 157.70): V
 Ion 155.00 (154.70 to 155.70): V





#67
 1,3,5-Trichlorobenzene
 Concen: 30.293 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV010167.D
 Acq: 08 Apr 2019 11:03

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	77.2	115.8
184	30.7	23.8	35.6
145	29.1	24.6	36.8



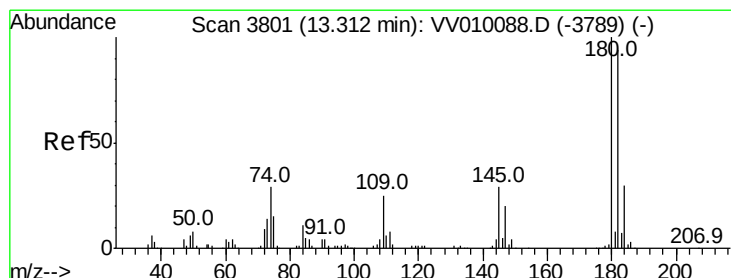
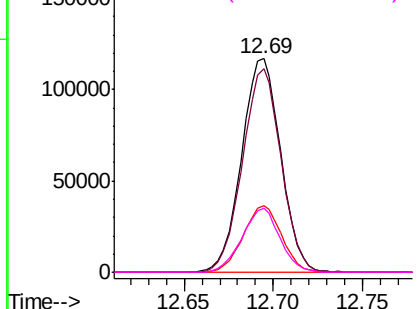
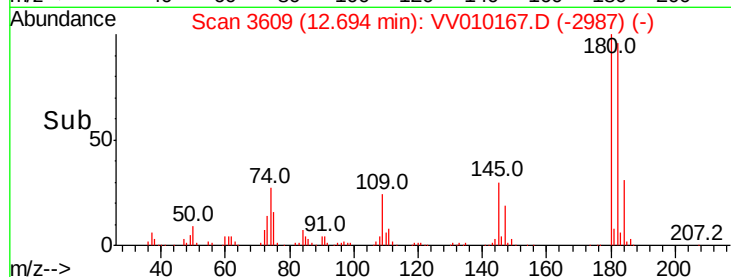
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

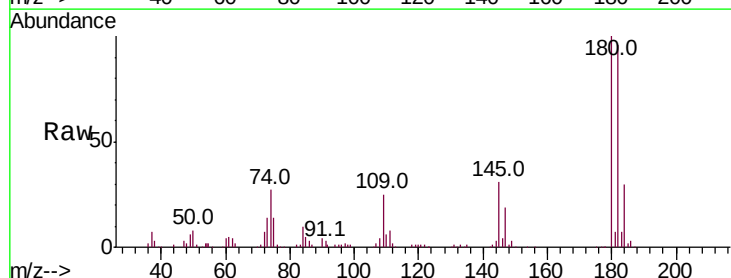
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 29.550 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. -0.00 min
 Lab File: VV010167.D
 Acq: 08 Apr 2019 11:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	75.7	113.5
145	30.6	24.6	37.0

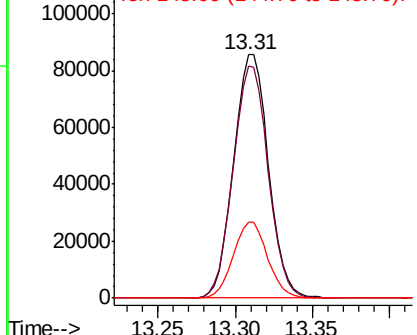
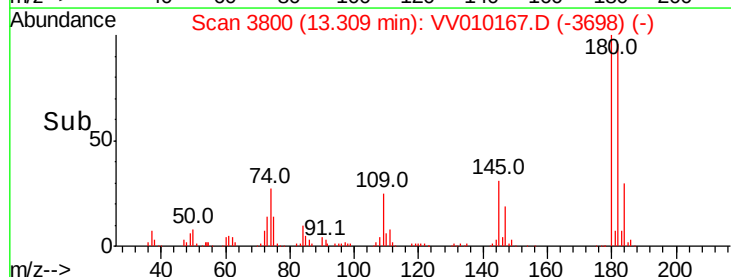


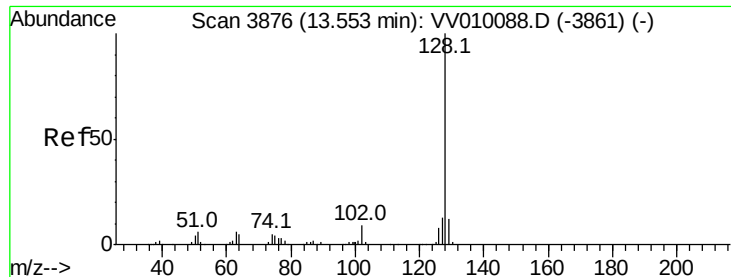
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

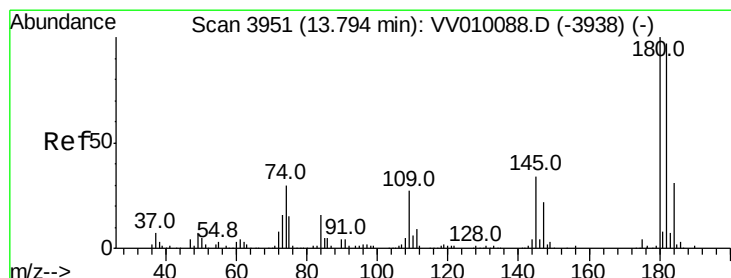
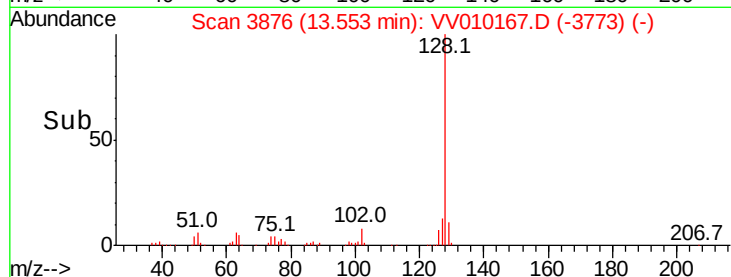
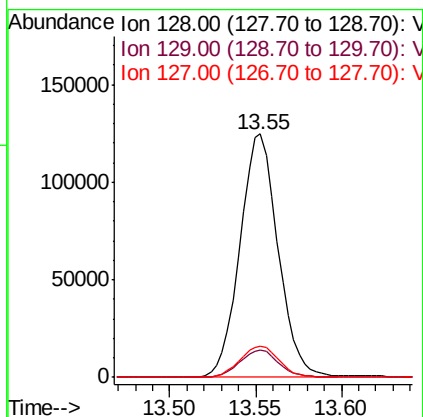
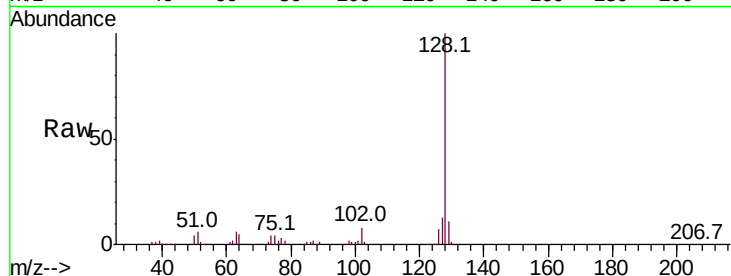




#69
Naphthalene
Concen: 25.433 ug/L
RT: 13.55 min Scan# 3876
Delta R.T. 0.00 min
Lab File: VV010167.D
Acq: 08 Apr 2019 11:03

Tot Ion:128 Resp: 191581

Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.0	13.4
127	13.3	11.0	16.4



#70
1,2,3-Trichlorobenzene
Concen: 28.946 ug/L
RT: 13.79 min Scan# 3951
Delta R.T. 0.00 min
Lab File: VV010167.D
Acq: 08 Apr 2019 11:03

Tgt Ion:180 Resp: 122355

Ion	Ratio	Lower	Upper
180	100		
182	95.5	74.1	111.1
145	31.8	25.8	38.8

