

Data File : VV010453.D
Acq On : 24 Apr 2019 11:00
Operator : SY/MD
Sample : VSTD00134
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00134

Quant Time: Apr 25 01:37:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Apr 25 01:34:16 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	252819	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	241011	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	117009	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	14490	1.06	ug/L	0.00
7) Chloroethane-d5	1.58	69	11169	0.78	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	28082	0.78	ug/L	0.00
20) 2-Butanone-d5	3.99	46	30073	8.95	ug/L	0.01
24) Chloroform-d	4.41	84	29337	0.95	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	15025	0.97	ug/L	0.00
32) Benzene-d6	5.09	84	54682	0.98	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	16215	0.92	ug/L	0.00
41) Toluene-d8	7.36	98	52035	0.97	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	6223	1.08	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	23697	9.39	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	11437	0.86	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	21710	1.03	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	18884	0.795 ug/L	100
3) Chloromethane	1.25	50	14548	0.731 ug/L	98
5) Vinyl chloride	1.32	62	16545	0.763 ug/L	95
6) Bromomethane	1.54	94	11331	0.734 ug/L	91
8) Chloroethane	1.60	64	9493	0.657 ug/L	92
9) Trichlorofluoromethane	1.77	101	31312	0.728 ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	15777	0.693 ug/L	98
12) 1,1-Dichloroethene	2.14	96	14348	0.750 ug/L #	82
13) Acetone	2.24	43	10595	4.044 ug/L	88
14) Carbon disulfide	2.32	76	37727	0.739 ug/L	96
15) Methyl Acetate	2.47	43	2656	0.433 ug/L #	80
16) Methylene chloride	2.54	84	16684	0.783 ug/L	98
17) Methyl tert-butyl Ether	2.81	73	34048	0.742 ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	15832	0.748 ug/L	96
19) 1,1-Dichloroethane	3.23	63	25133	0.693 ug/L	95
21) 2-Butanone	4.07	43	27355	7.978 ug/L #	72
22) cis-1,2-Dichloroethene	3.96	96	15561	0.854 ug/L	86
23) Bromochloromethane	4.30	128	6818	0.835 ug/L	88
25) Chloroform	4.43	83	29394	0.862 ug/L	99
27) 1,2-Dichloroethane	5.18	62	15428	0.814 ug/L	98
29) 1,1,1-Trichloroethane	4.66	97	26608	0.937 ug/L	96
30) Cyclohexane	4.72	56	22305	0.934 ug/L	94
31) Carbon tetrachloride	4.87	117	23270	0.874 ug/L	98
33) Benzene	5.14	78	56022	0.856 ug/L	100
34) Trichloroethene	5.96	95	16658	0.874 ug/L	92
35) Methylcyclohexane	6.17	83	24300	0.861 ug/L	98
37) 1,2-Dichloropropane	6.23	63	14096	0.931 ug/L	99
38) Bromodichloromethane	6.56	83	19339	0.953 ug/L #	97
39) cis-1,3-Dichloropropene	7.07	75	18786	0.884 ug/L	98
40) 4-Methyl-2-pentanone	7.29	43	74011	8.921 ug/L	99

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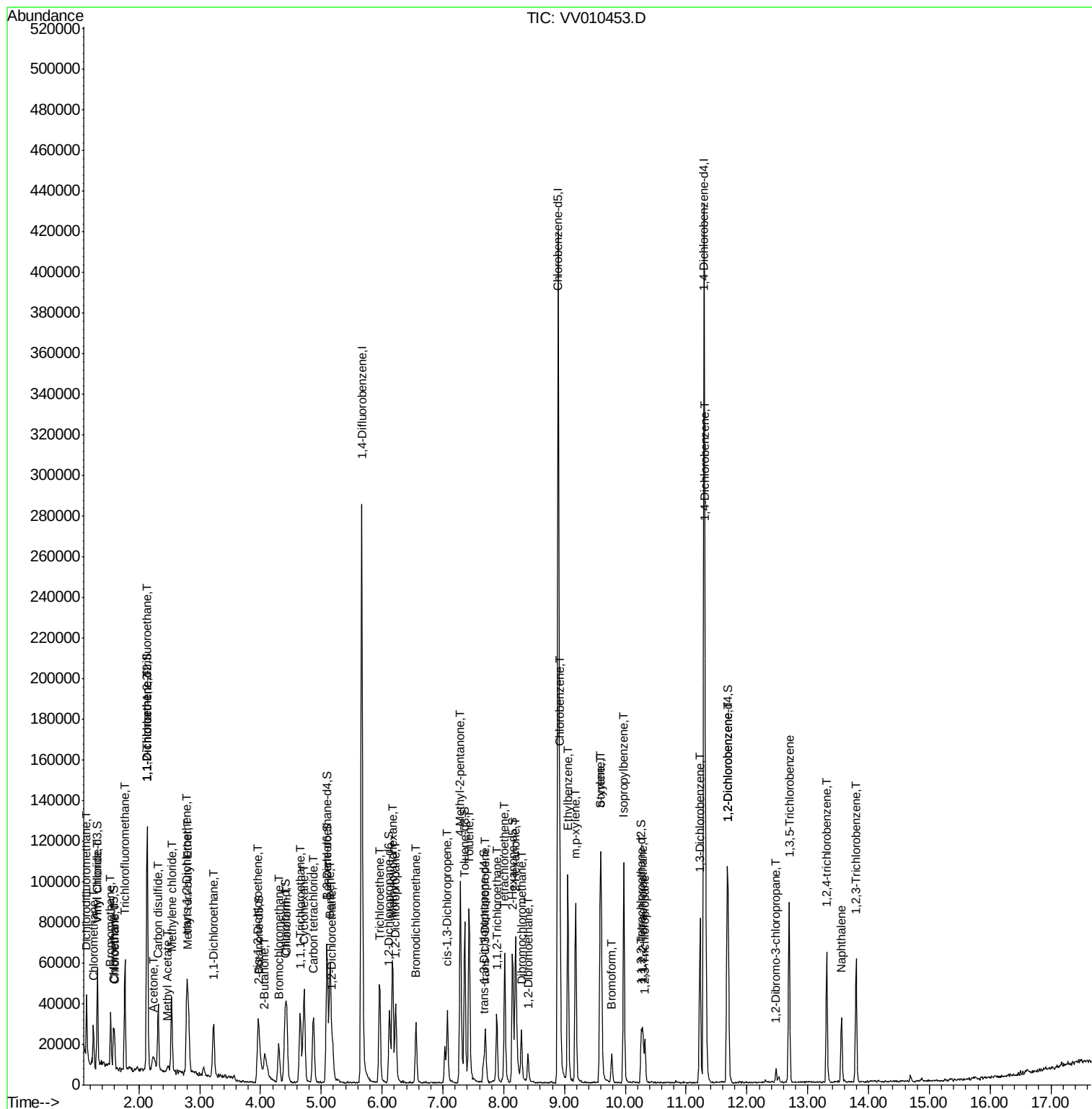
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	62912	0.863	ug/L	96
44) trans-1,3-Dichloropropene	7.70	75	14442	0.877	ug/L	94
45) 1,1,2-Trichloroethane	7.89	97	9609	0.803	ug/L	98
47) Tetrachloroethene	8.02	164	14317	0.861	ug/L	97
48) 2-Hexanone	8.20	43	50907	9.122	ug/L	97
49) Dibromochloromethane	8.29	129	12395	0.861	ug/L	95
50) 1,2-Dibromoethane	8.40	107	9641	0.886	ug/L	88
51) Chlorobenzene	8.93	112	43579	0.882	ug/L	99
52) Ethylbenzene	9.05	91	70338	0.891	ug/L	98
53) m,p-xylene	9.18	106	26129	0.848	ug/L	98
54) o-xylene	9.59	106	26027	0.874	ug/L	85
55) Styrene	9.60	104	38550	0.803	ug/L	98
56) Isopropylbenzene	9.97	105	68897	0.870	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	11547	0.886	ug/L	92
59) 1,2,3-Trichloropropane	10.32	75	8810	0.946	ug/L	99
61) Bromoform	9.78	173	6516	0.896	ug/L	96
62) 1,3-Dichlorobenzene	11.23	146	34021	0.898	ug/L	96
63) 1,4-Dichlorobenzene	11.32	146	35134	0.921	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	33534	0.943	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.48	75	1636	0.969	ug/L	87
67) 1,3,5-Trichlorobenzene	12.69	180	27606	0.939	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	19454	0.925	ug/L	99
69) Naphthalene	13.56	128	25867	1.014	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	18581	0.972	ug/L	96

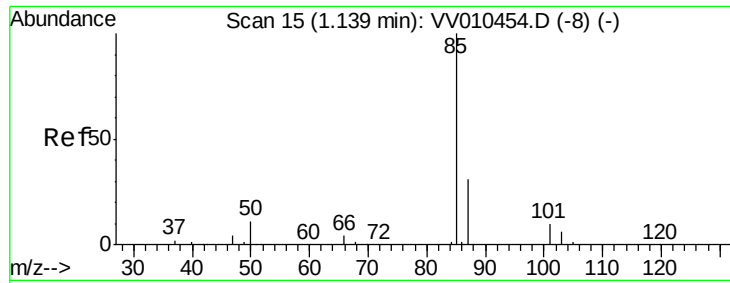
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.795 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

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Acq: 24 Apr 2019 11:00

Instrument :

MSVOA_V

ClientSampleId :

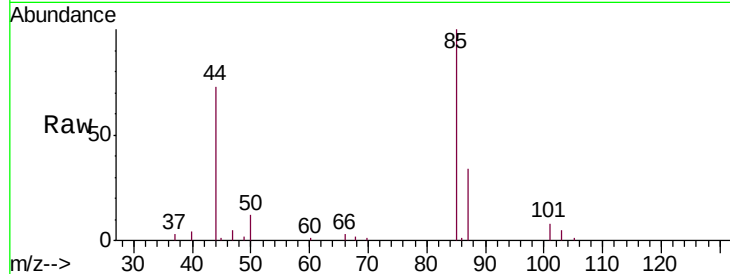
VSTD00134

Tgt Ion: 85 Resp: 18884

Ion Ratio Lower Upper

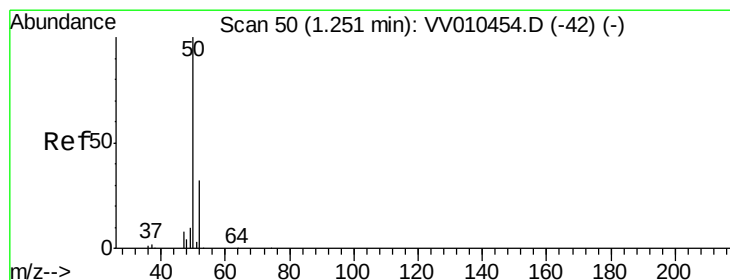
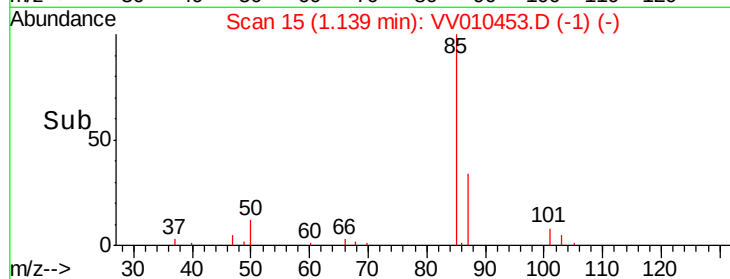
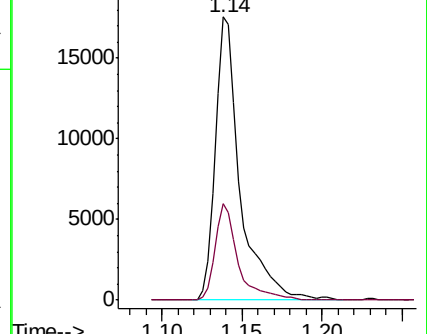
85 100

87 31.2 24.8 37.2



Abundance Ion 85.00 (84.70 to 85.70): VV010453.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV010453.D (-8) (-)



#3

Chloromethane

Concen: 0.731 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV010453.D

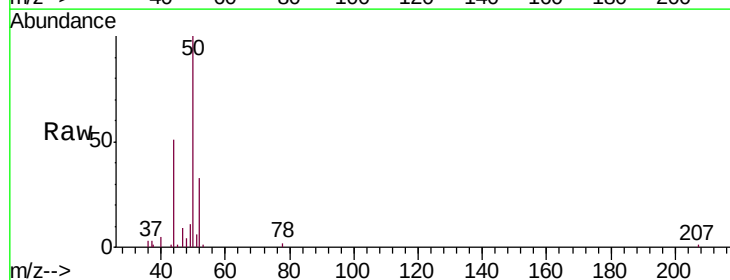
Acq: 24 Apr 2019 11:00

Tgt Ion: 50 Resp: 14548

Ion Ratio Lower Upper

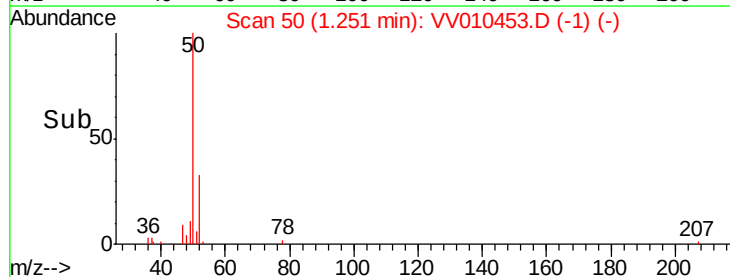
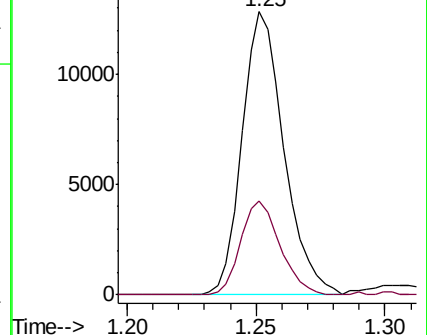
50 100

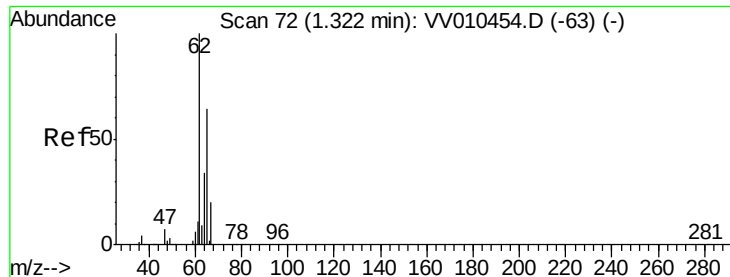
52 33.4 22.7 42.3



Abundance Ion 50.05 (49.75 to 50.75): VV010453.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VV010453.D (-1) (-)





#5

Vinyl chloride

Concen: 0.763 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV010453.D

Acq: 24 Apr 2019 11:00

Instrument :

MSVOA_V

ClientSampleId :

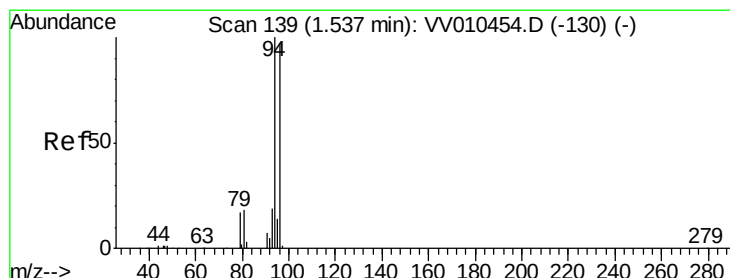
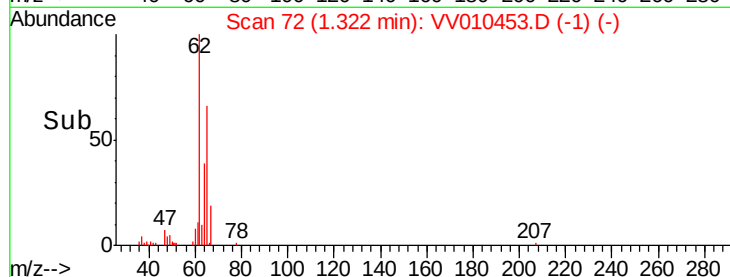
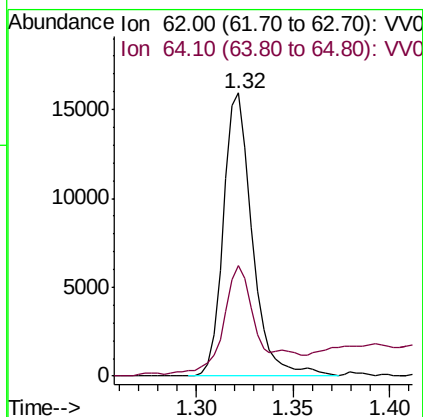
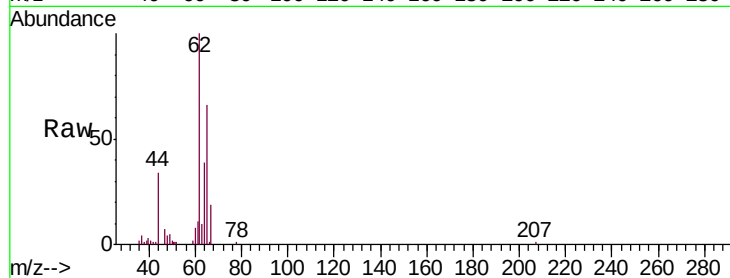
VSTD00134

Tgt Ion: 62 Resp: 16545

Ion Ratio Lower Upper

62 100

64 39.1 25.4 47.2



#6

Bromomethane

Concen: 0.734 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV010453.D

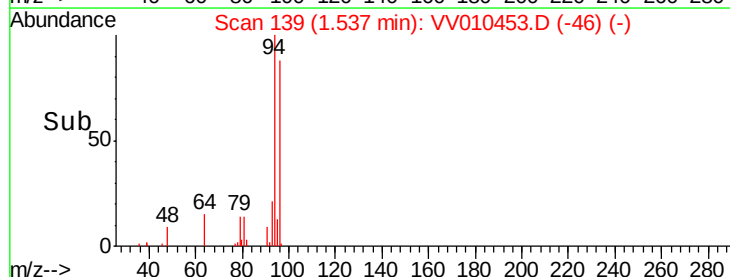
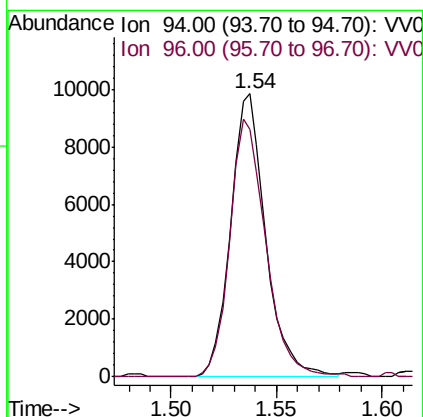
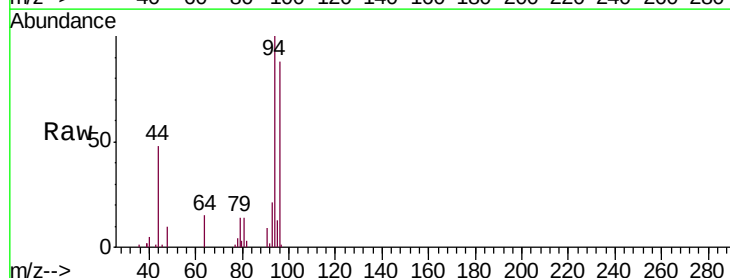
Acq: 24 Apr 2019 11:00

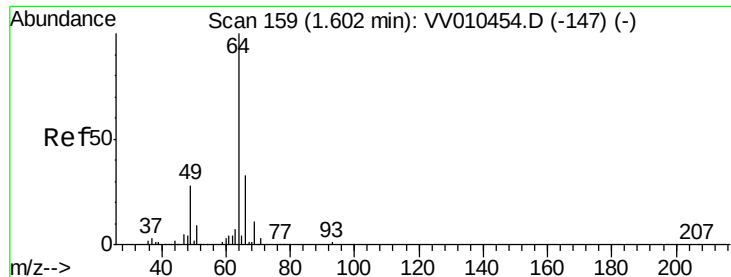
Tgt Ion: 94 Resp: 11331

Ion Ratio Lower Upper

94 100

96 87.6 67.6 125.6





#8

Chloroethane

Concen: 0.657 ug/L

RT: 1.60 min Scan# 158

Delta R.T. -0.00 min

Lab File: VV010453.D

Acq: 24 Apr 2019 11:00

Instrument :

MSVOA_V

ClientSampleId :

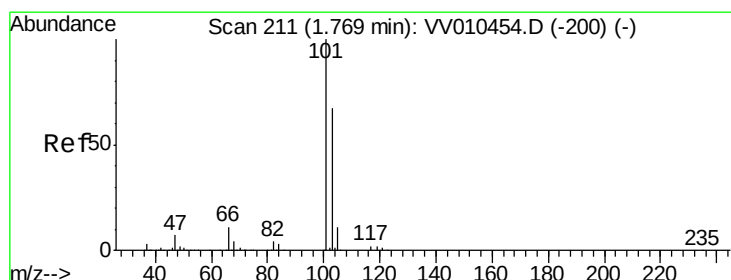
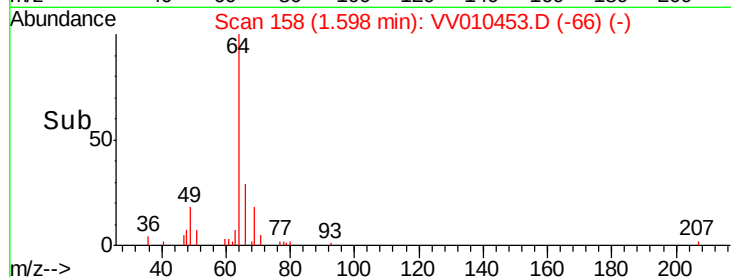
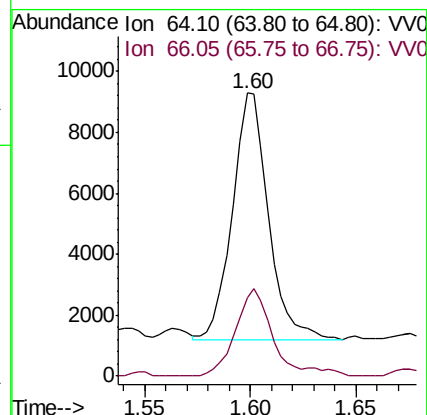
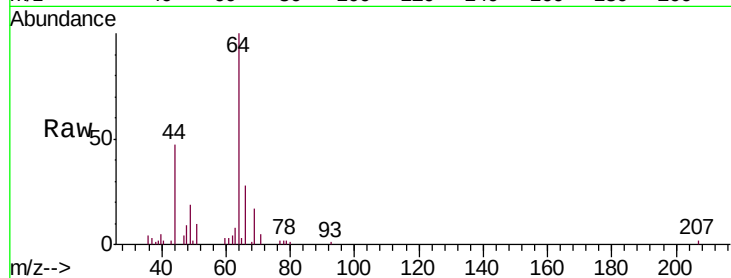
VSTD00134

Tgt Ion: 64 Resp: 9493

Ion Ratio Lower Upper

64 100

66 27.9 22.5 41.9



#9

Trichlorofluoromethane

Concen: 0.728 ug/L

RT: 1.77 min Scan# 211

Delta R.T. -0.00 min

Lab File: VV010453.D

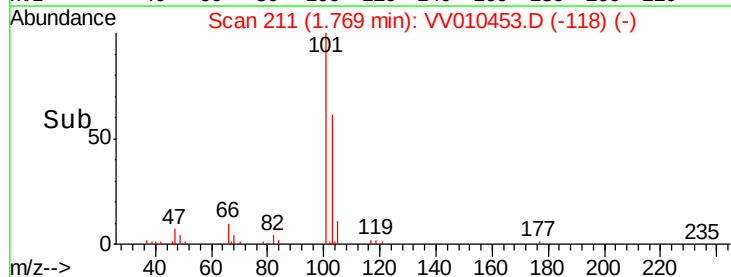
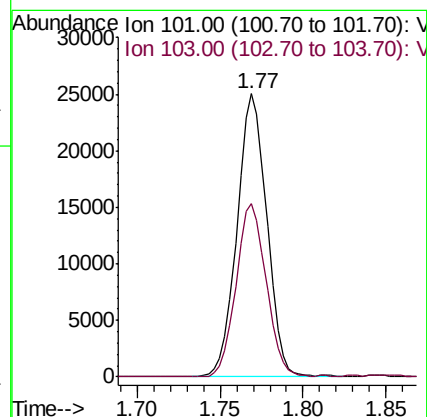
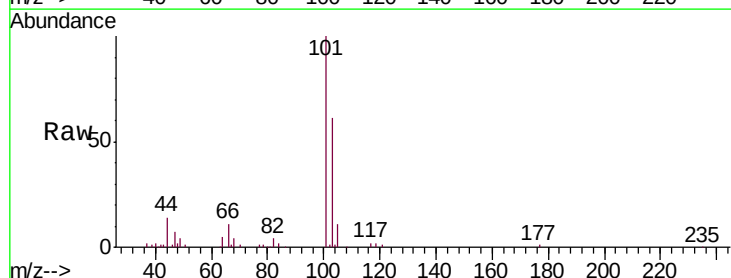
Acq: 24 Apr 2019 11:00

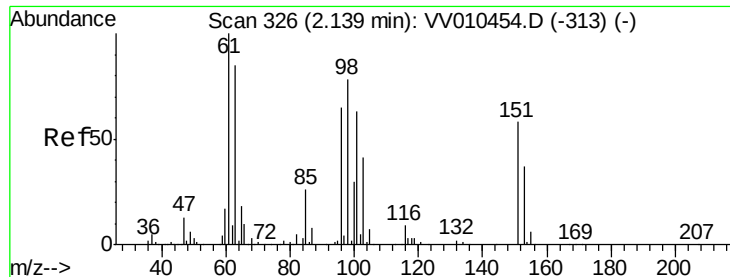
Tgt Ion: 101 Resp: 31312

Ion Ratio Lower Upper

101 100

103 61.8 52.6 78.8





#10

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

Concen: 0.693 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV010453.D

Acq: 24 Apr 2019 11:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD00134

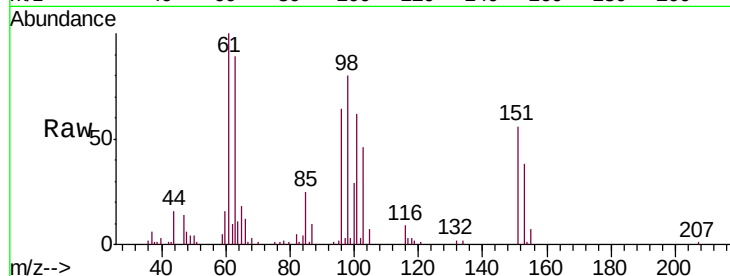
Tgt Ion:101 Resp: 15777

Ion Ratio Lower Upper

101 100

85 43.3 33.8 50.8

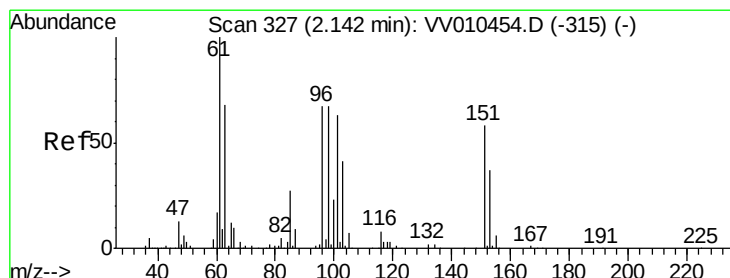
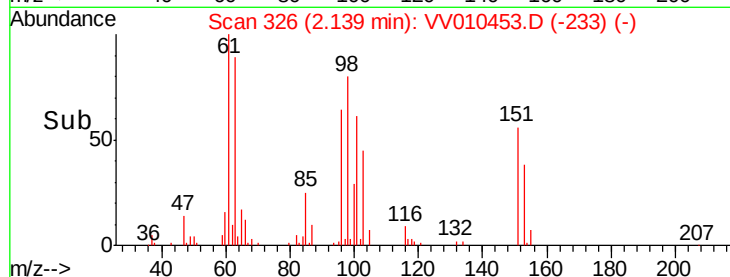
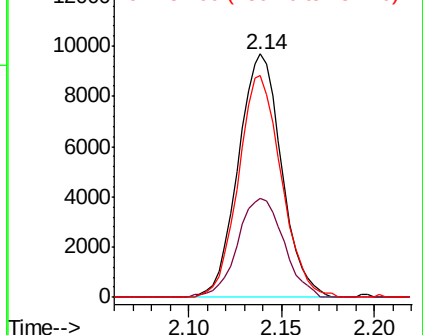
151 90.3 73.8 110.6



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: 0.750 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV010453.D

Acq: 24 Apr 2019 11:00

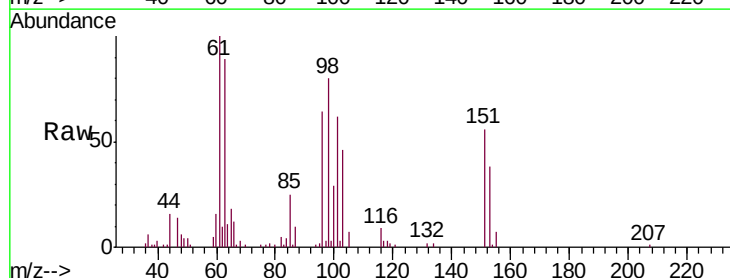
Tgt Ion: 96 Resp: 14348

Ion Ratio Lower Upper

96 100

61 156.2 104.3 193.7

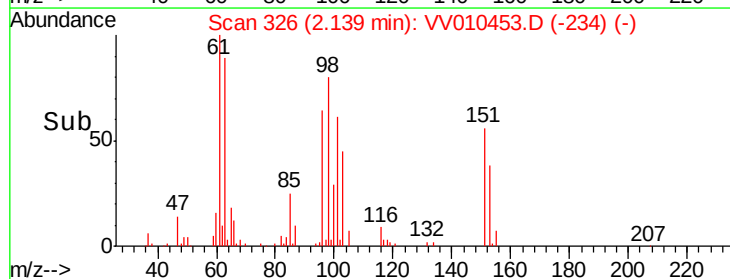
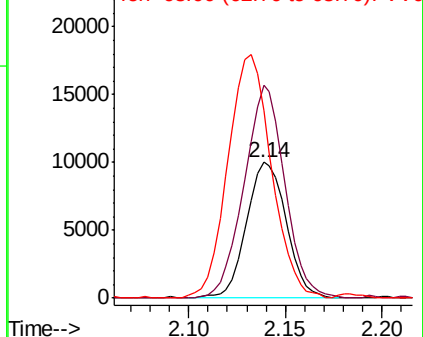
63 138.3 72.1 133.9#

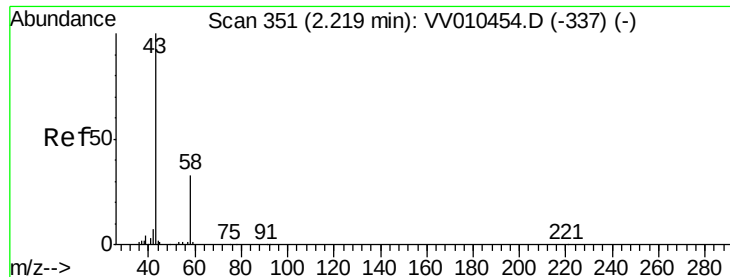


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 4.044 ug/L

RT: 2.24 min Scan# 356

Delta R.T. 0.02 min

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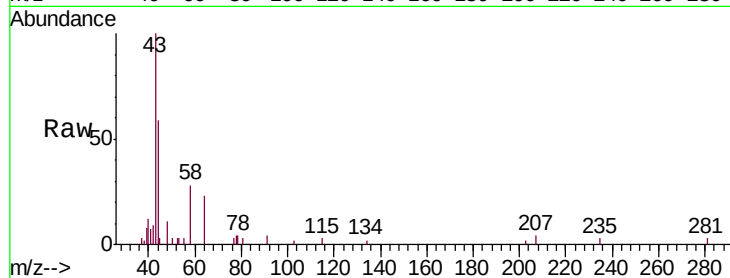
VSTD00134

Tgt Ion: 43 Resp: 10595

Ion Ratio Lower Upper

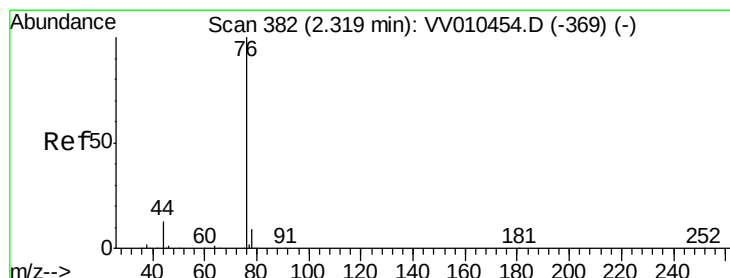
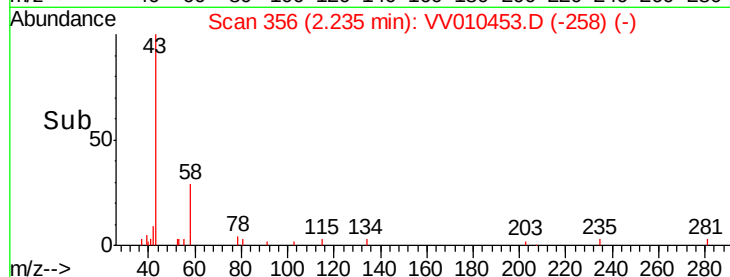
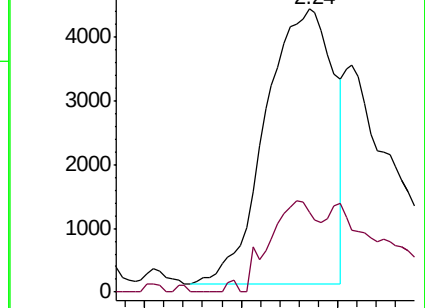
43 100

58 23.0 0.0 59.6



Abundance Ion 43.05 (42.75 to 43.75): VV010454.D (-337) (-)

Ion 58.05 (57.75 to 58.75): VV010454.D (-337) (-)



#14

Carbon disulfide

Concen: 0.739 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV010453.D

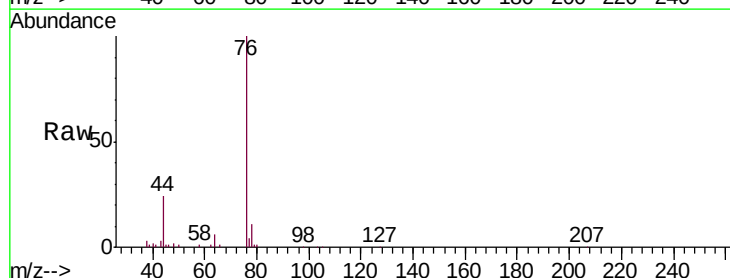
Acq: 24 Apr 2019 11:00

Tgt Ion: 76 Resp: 37727

Ion Ratio Lower Upper

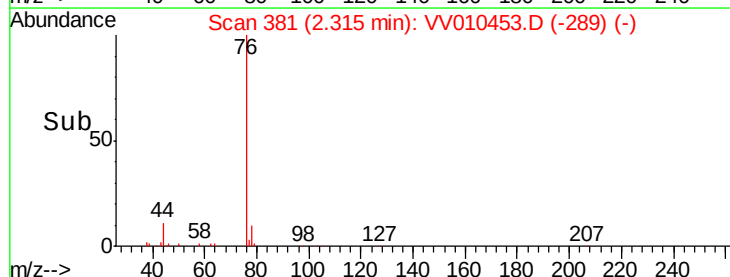
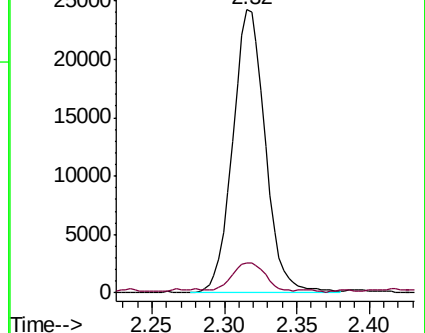
76 100

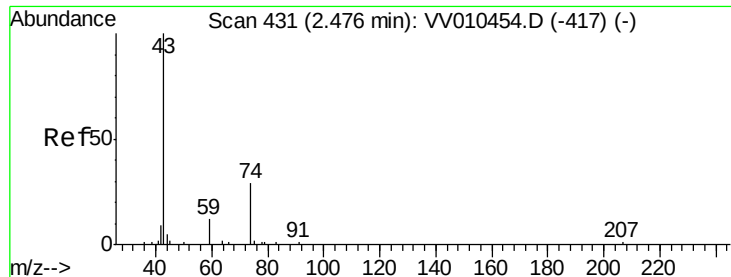
78 10.7 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VV010454.D (-369) (-)

Ion 78.00 (77.70 to 78.70): VV010454.D (-369) (-)





#15

Methyl Acetate

Concen: 0.433 ug/L

RT: 2.47 min Scan# 430

Delta R.T. -0.00 min

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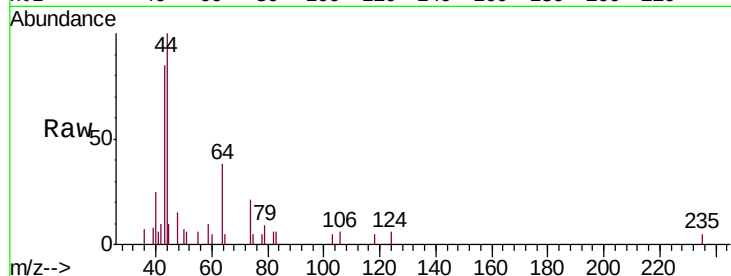
VSTD00134

Tgt Ion: 43 Resp: 2656

Ion Ratio Lower Upper

43 100

74 18.0 23.0 34.6#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

2000

1500

1000

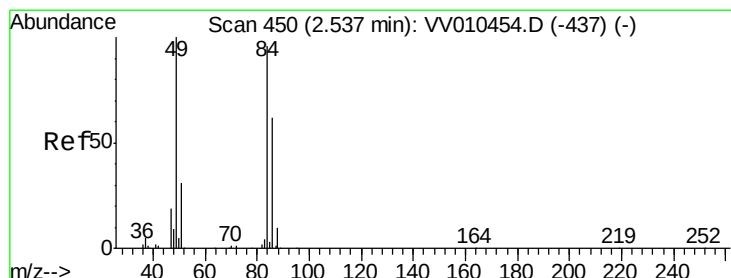
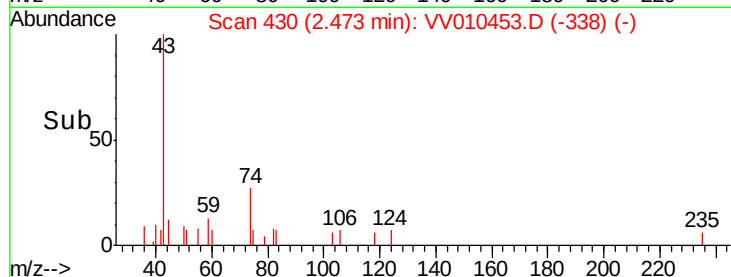
500

0

Time-->

2.40 2.45 2.50

2.47



#16

Methylene chloride

Concen: 0.783 ug/L

RT: 2.54 min Scan# 450

Delta R.T. -0.00 min

Lab File: VV010453.D

Acq: 24 Apr 2019 11:00

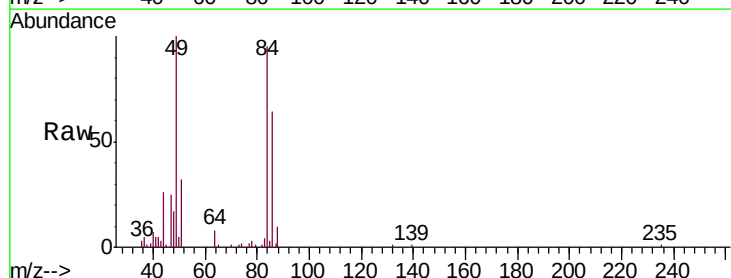
Tgt Ion: 84 Resp: 16684

Ion Ratio Lower Upper

84 100

86 66.6 44.7 83.1

49 104.7 72.7 135.1



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

10000

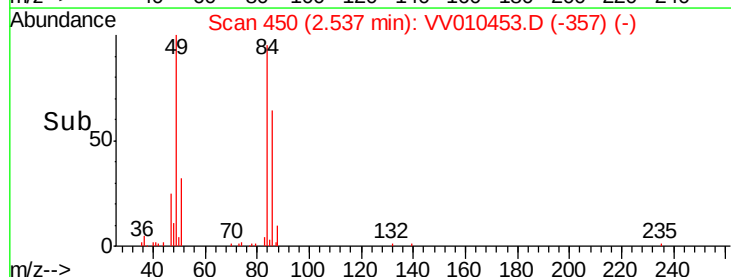
5000

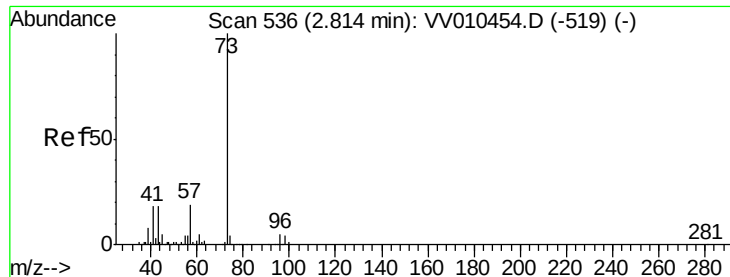
0

Time-->

2.50 2.55 2.60

2.54





#17

Methyl tert-butyl Ether

Concen: 0.742 ug/L

RT: 2.81 min Scan# 536

Delta R.T. -0.00 min

Lab File: VV010453.D

Acq: 24 Apr 2019 11:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD00134

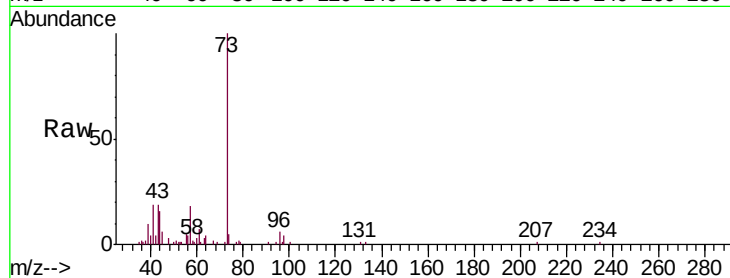
Tgt Ion: 73 Resp: 34048

Ion Ratio Lower Upper

73 100

43 17.3 14.9 22.3

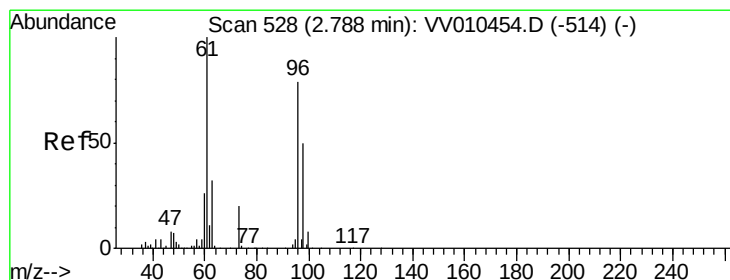
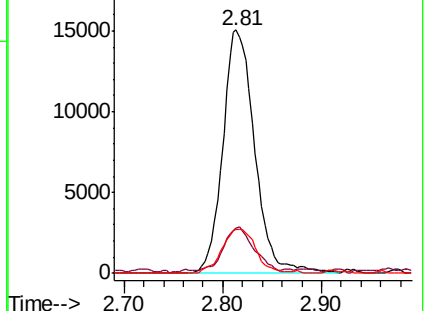
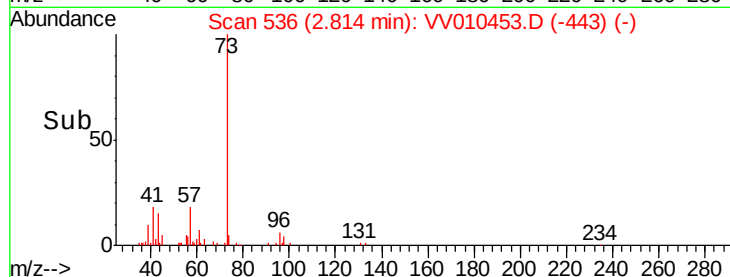
57 19.2 15.7 23.5



Abundance Ion 73.10 (72.80 to 73.80): VV0

Ion 43.05 (42.75 to 43.75): VV0

Ion 57.10 (56.80 to 57.80): VV0



#18

trans-1,2-Dichloroethene

Concen: 0.748 ug/L

RT: 2.79 min Scan# 528

Delta R.T. -0.00 min

Lab File: VV010453.D

Acq: 24 Apr 2019 11:00

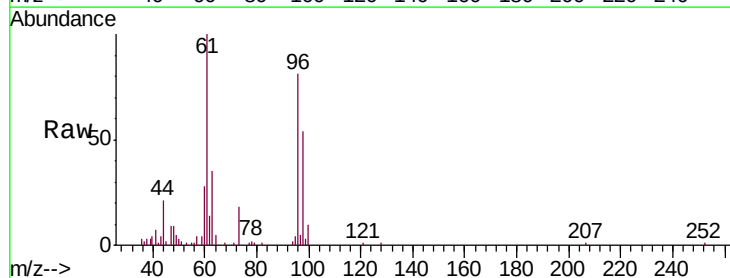
Tgt Ion: 96 Resp: 15832

Ion Ratio Lower Upper

96 100

61 122.7 89.2 165.6

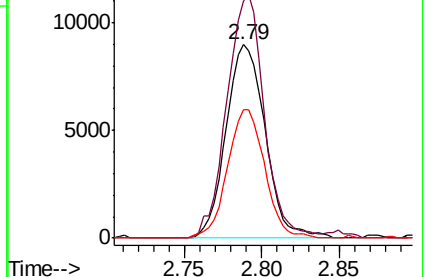
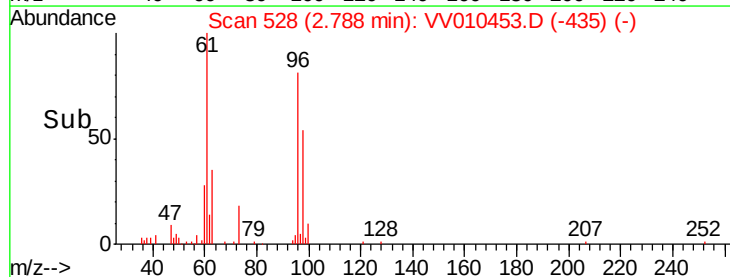
98 66.7 44.8 83.2

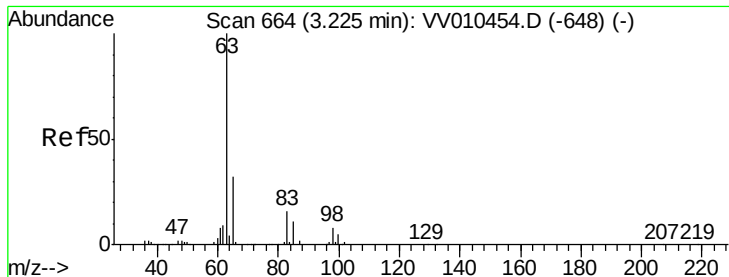


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0

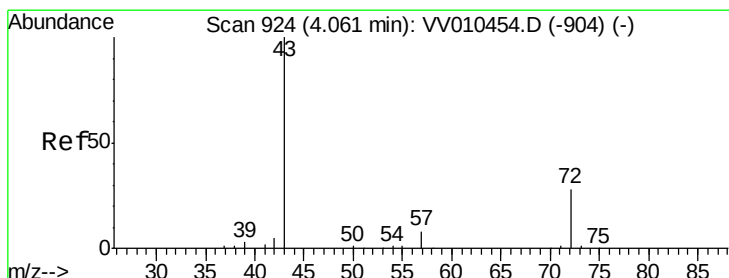
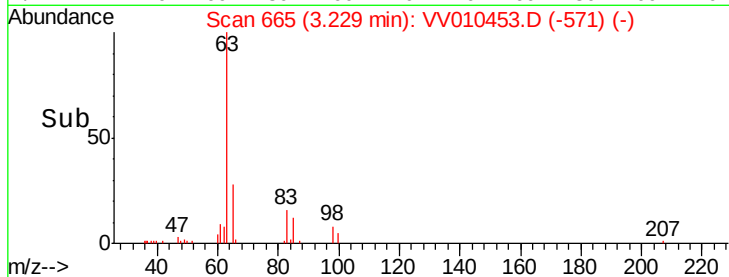
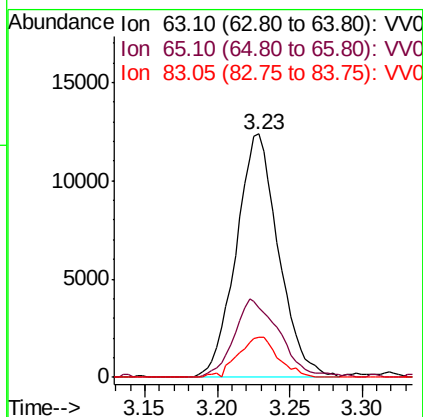
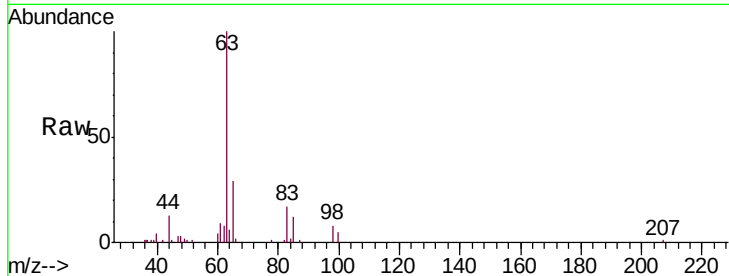




#19
 1,1-Dichloroethane
 Concen: 0.693 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV010453.D
 Acq: 24 Apr 2019 11:00

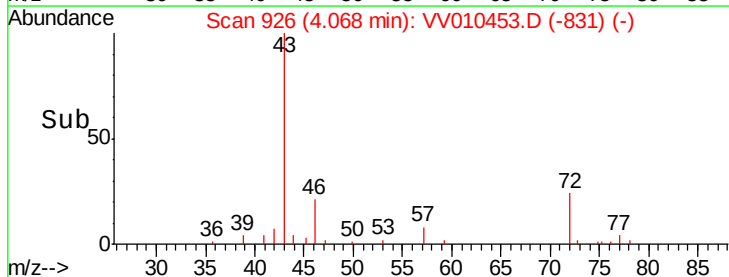
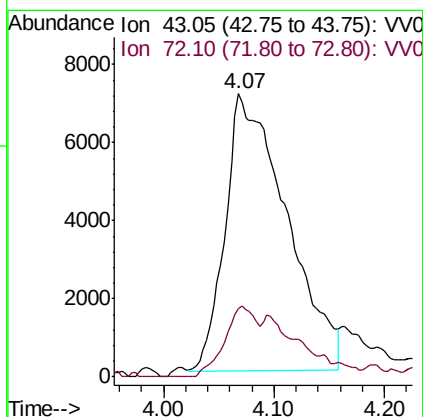
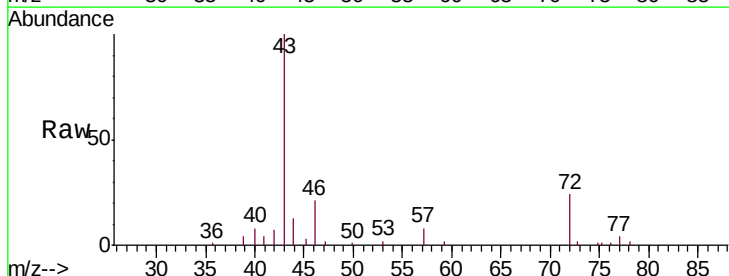
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00134

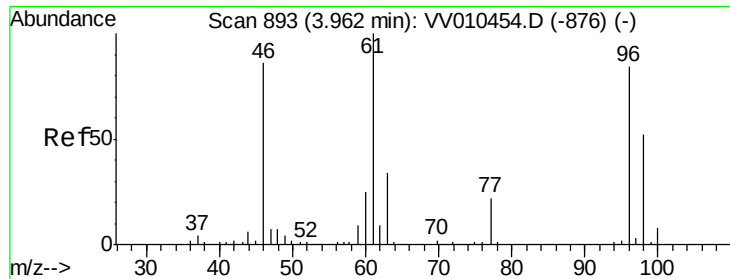
Tgt Ion: 63 Resp: 25133
 Ion Ratio Lower Upper
 63 100
 65 28.8 22.7 42.3
 83 16.7 11.3 20.9



#21
 2-Butanone
 Concen: 7.978 ug/L
 RT: 4.07 min Scan# 926
 Delta R.T. 0.01 min
 Lab File: VV010453.D
 Acq: 24 Apr 2019 11:00

Tgt Ion: 43 Resp: 27355
 Ion Ratio Lower Upper
 43 100
 72 13.3 14.1 42.2#



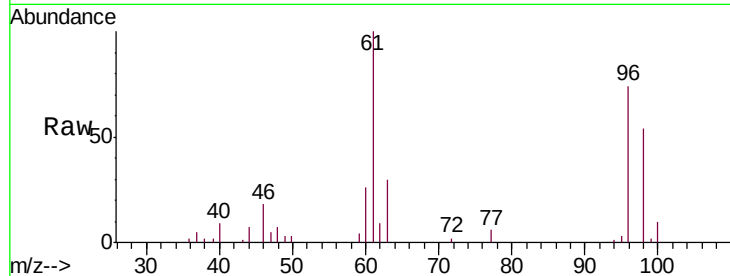


#22

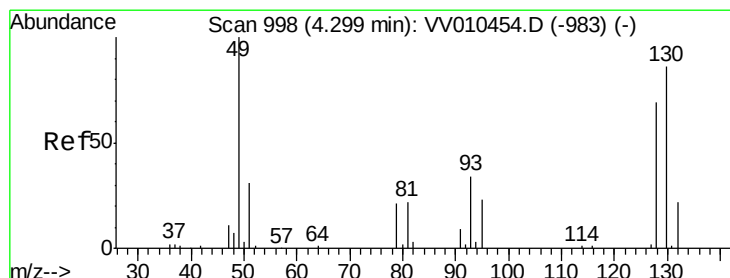
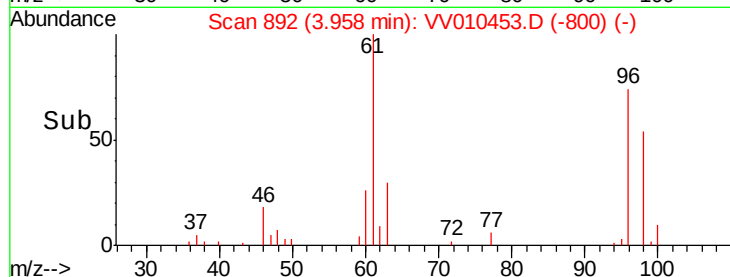
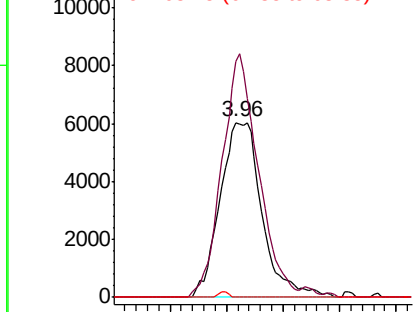
cis-1,2-Dichloroethene
Concen: 0.854 ug/L
RT: 3.96 min Scan# 892
Delta R.T. -0.00 min
Lab File: VV010453.D
Acq: 24 Apr 2019 11:00

Instrument :
MSVOA_V
ClientSampled :
VSTD00134

Tgt Ion: 96 Resp: 15561
Ion Ratio Lower Upper
96 100
61 134.9 83.2 154.6
68 0.0 0.0 0.0



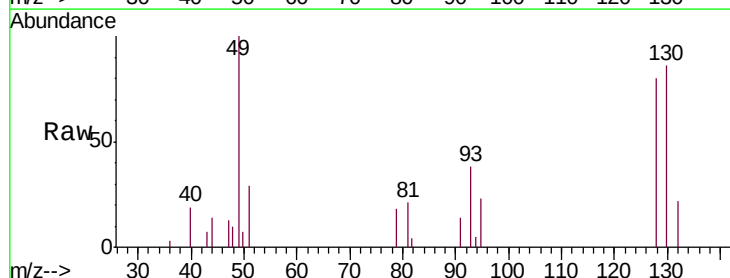
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



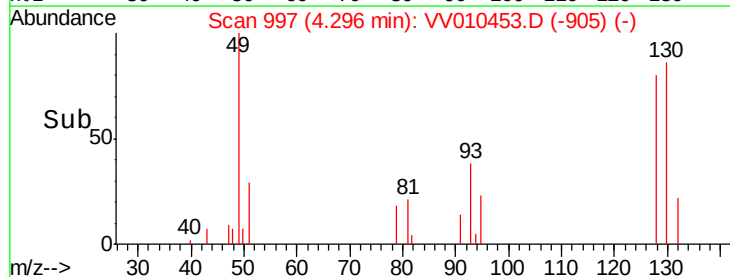
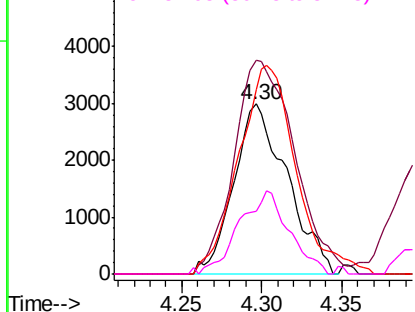
#23

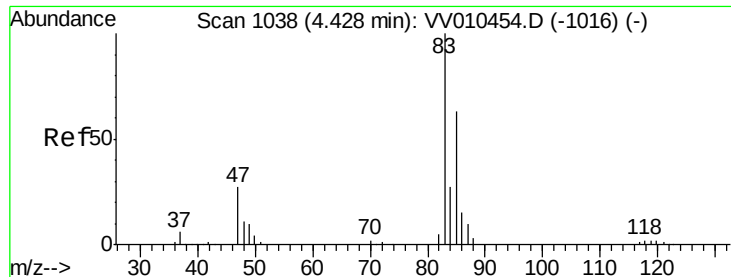
Bromochloromethane
Concen: 0.835 ug/L
RT: 4.30 min Scan# 997
Delta R.T. -0.00 min
Lab File: VV010453.D
Acq: 24 Apr 2019 11:00

Tgt Ion: 128 Resp: 6818
Ion Ratio Lower Upper
128 100
49 134.8 102.0 189.4
130 108.1 87.6 162.6
51 36.9 35.4 53.2



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

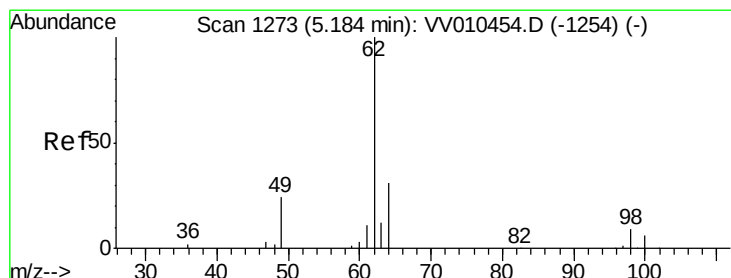
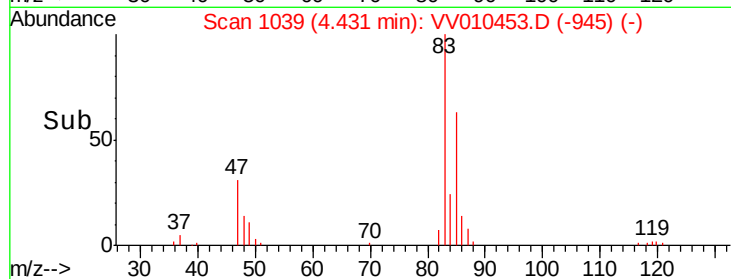
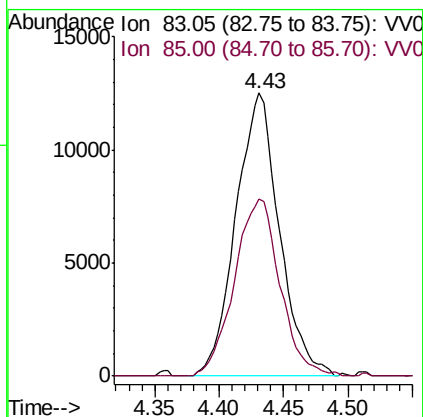
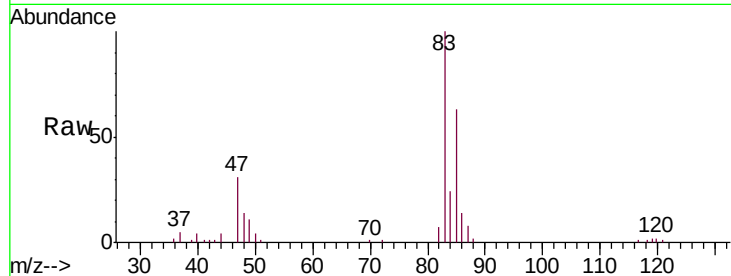




#25
Chloroform
Concen: 0.862 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. 0.00 min
Lab File: VV010453.D
Acq: 24 Apr 2019 11:00

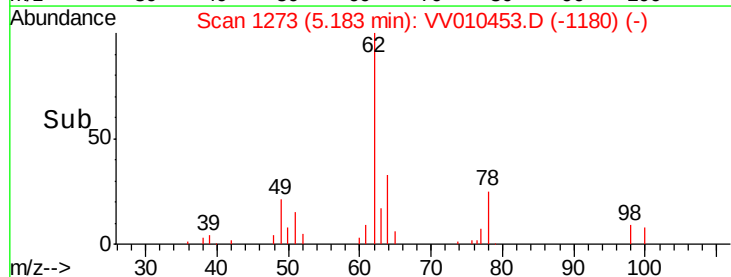
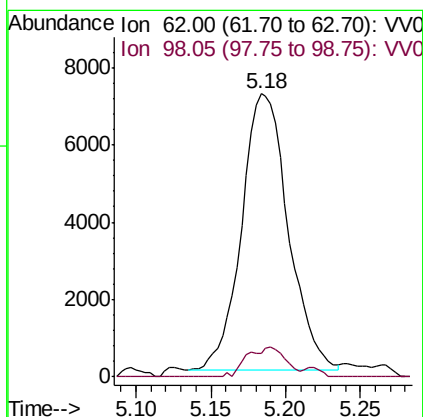
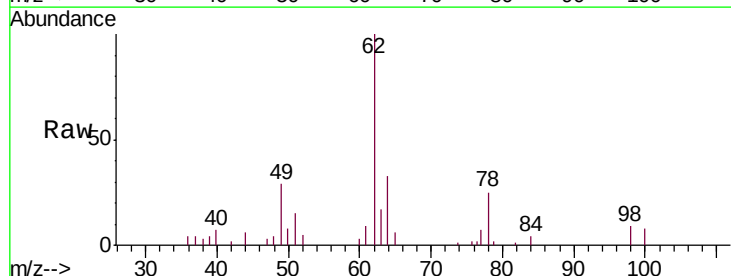
Instrument :
MSVOA_V
ClientSampleId :
VSTD00134

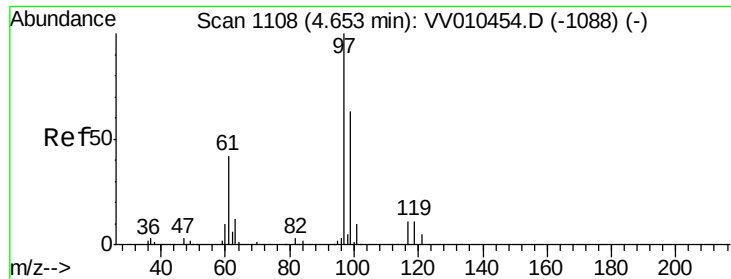
Tgt Ion: 83 Resp: 29394
Ion Ratio Lower Upper
83 100
85 62.5 44.3 82.3



#27
1,2-Dichloroethane
Concen: 0.814 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. -0.00 min
Lab File: VV010453.D
Acq: 24 Apr 2019 11:00

Tgt Ion: 62 Resp: 15428
Ion Ratio Lower Upper
62 100
98 8.5 7.5 11.3

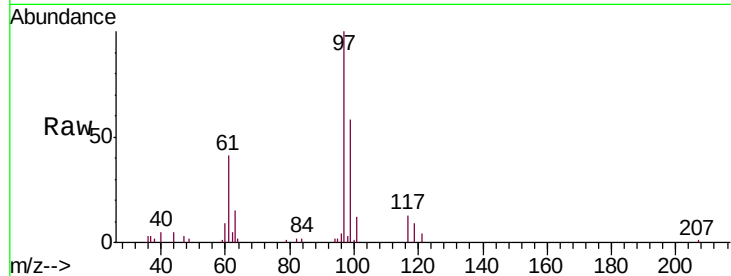




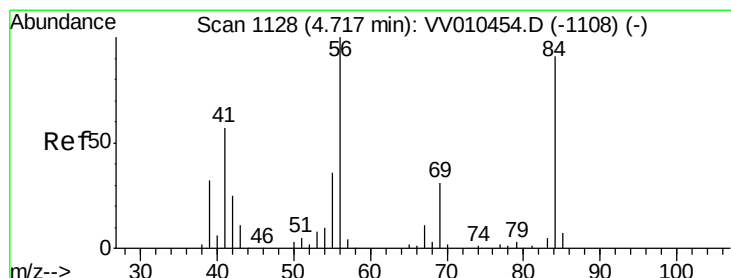
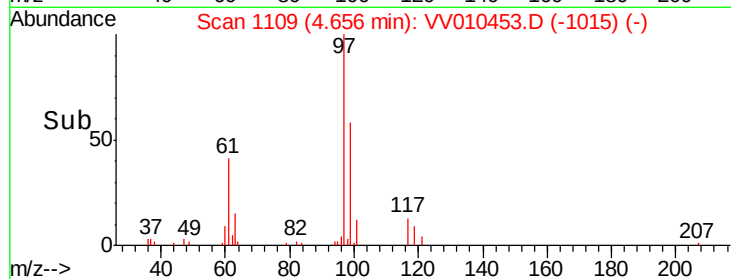
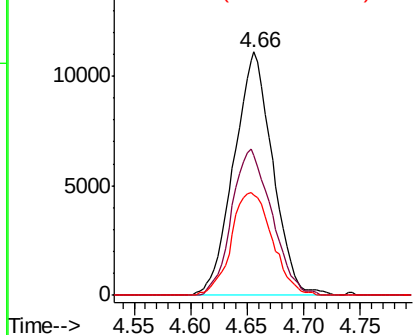
#29
 1,1,1-Trichloroethane
 Concen: 0.937 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. 0.00 min
 Lab File: VV010453.D
 Acq: 24 Apr 2019 11:00

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00134

Tgt Ion: 97 Resp: 26608
 Ion Ratio Lower Upper
 97 100
 99 61.9 52.2 78.2
 61 44.3 33.7 50.5

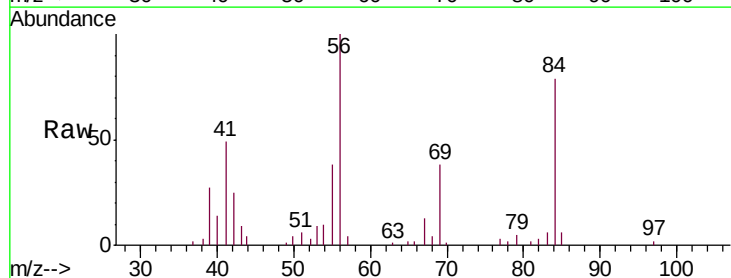


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

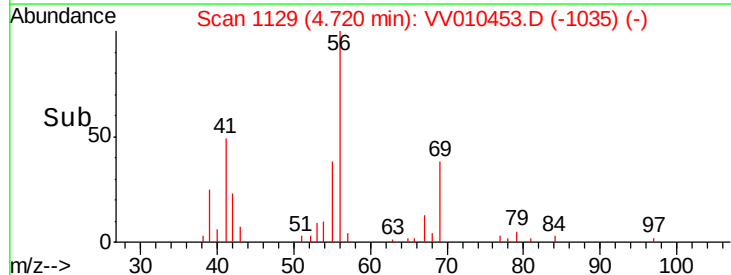
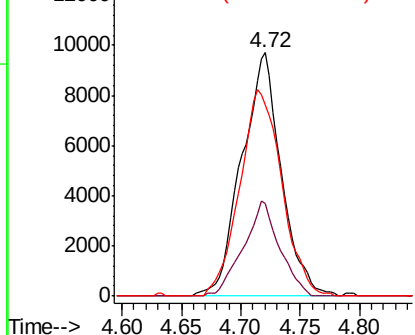


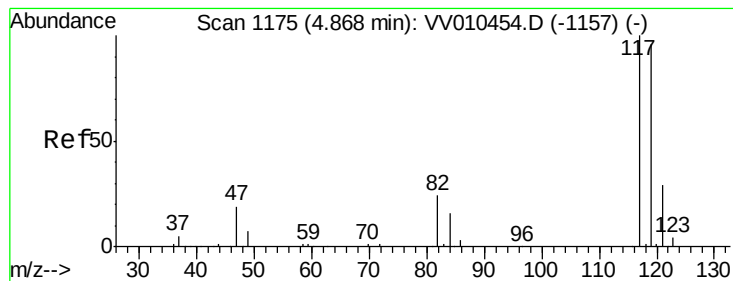
#30
 Cyclohexane
 Concen: 0.934 ug/L
 RT: 4.72 min Scan# 1129
 Delta R.T. 0.00 min
 Lab File: VV010453.D
 Acq: 24 Apr 2019 11:00

Tgt Ion: 56 Resp: 22305
 Ion Ratio Lower Upper
 56 100
 69 35.8 25.5 38.3
 84 90.2 76.7 115.1



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





#31

Carbon tetrachloride

Concen: 0.874 ug/L

RT: 4.87 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VV010453.D

Acq: 24 Apr 2019 11:00

Instrument :

MSVOA_V

ClientSampleId :

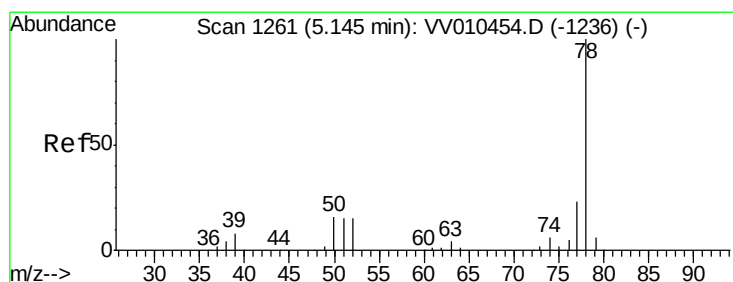
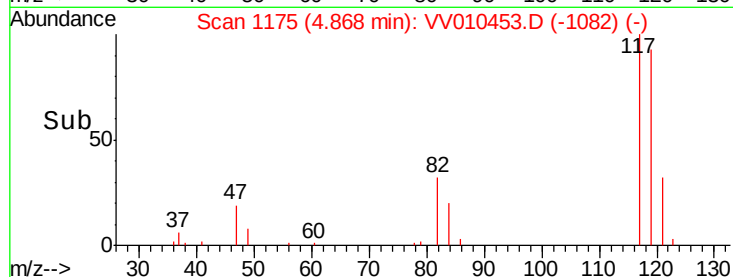
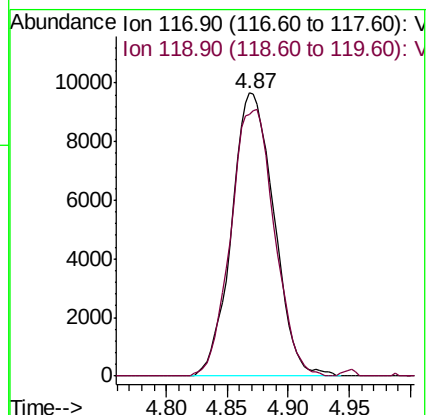
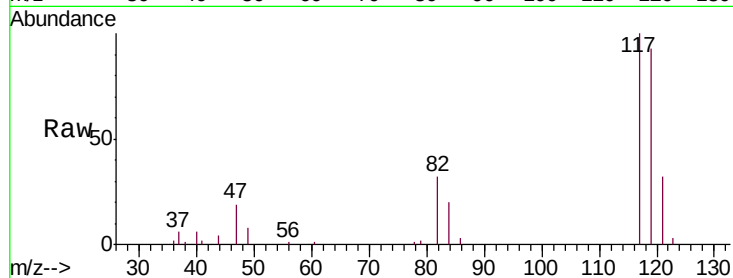
VSTD00134

Tgt Ion:117 Resp: 23270

Ion Ratio Lower Upper

117 100

119 97.3 76.5 114.7



#33

Benzene

Concen: 0.856 ug/L

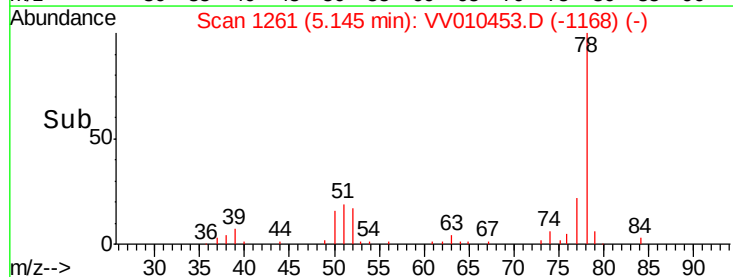
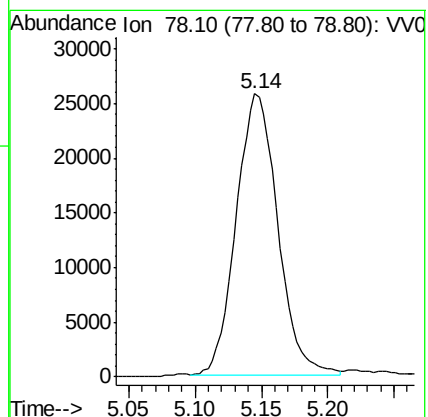
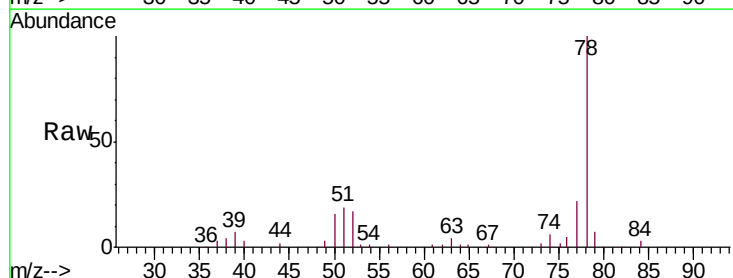
RT: 5.14 min Scan# 1261

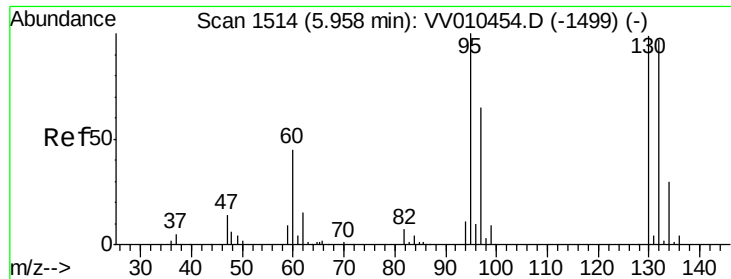
Delta R.T. -0.00 min

Lab File: VV010453.D

Acq: 24 Apr 2019 11:00

Tgt Ion: 78 Resp: 56022





#34

Trichloroethene

Concen: 0.874 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV010453.D

Acq: 24 Apr 2019 11:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD00134

Tgt Ion: 95 Resp: 16658

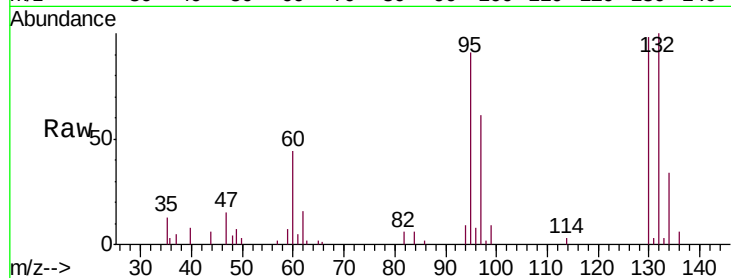
Ion Ratio Lower Upper

95 100

97 66.4 45.6 84.6

132 109.3 67.8 126.0

130 106.9 69.0 128.2

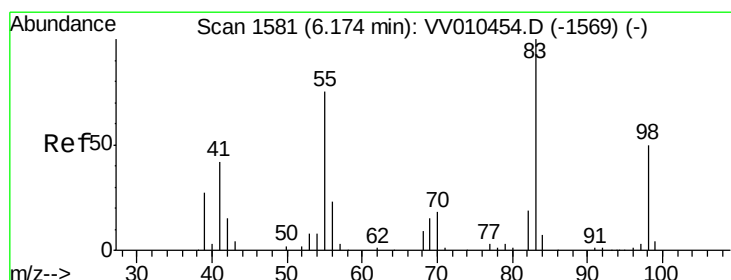
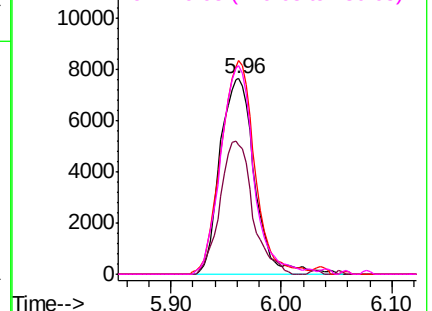
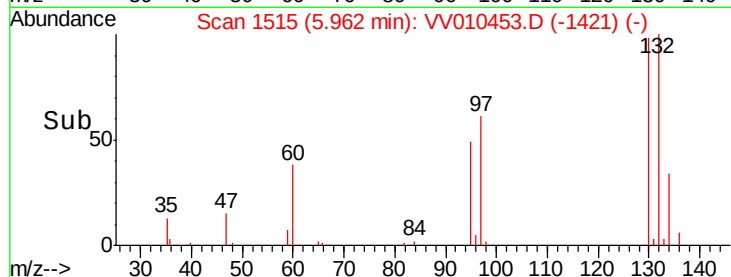


Abundance Ion 95.00 (94.70 to 95.70): VV010453.D (-1421) (-)

Ion 96.95 (96.65 to 97.65): VV010453.D (-1421) (-)

Ion 131.95 (131.65 to 132.65): VV010453.D (-1421) (-)

Ion 129.95 (129.65 to 130.65): VV010453.D (-1421) (-)



#35

Methylcyclohexane

Concen: 0.861 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VV010453.D

Acq: 24 Apr 2019 11:00

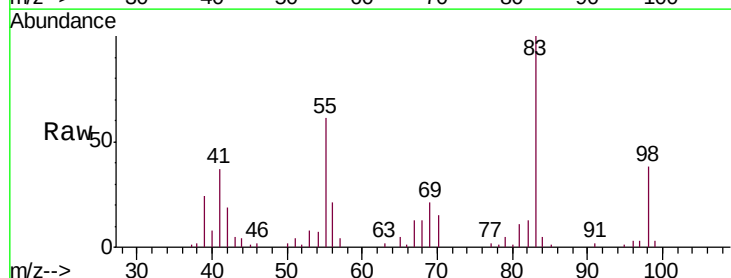
Tgt Ion: 83 Resp: 24300

Ion Ratio Lower Upper

83 100

55 73.7 57.8 86.6

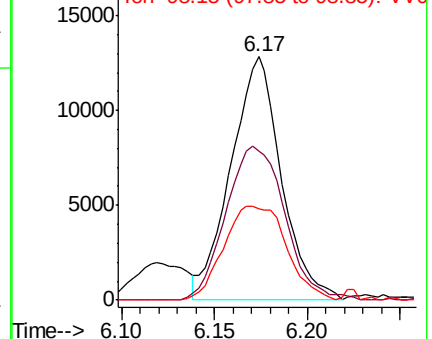
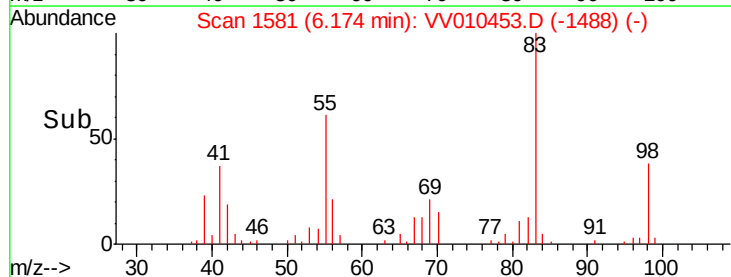
98 47.7 38.8 58.2

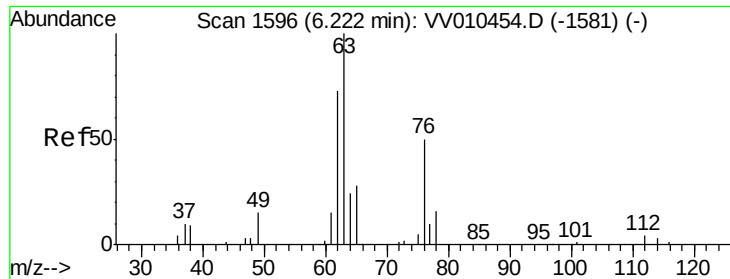


Abundance Ion 83.15 (82.85 to 83.85): VV010453.D (-1488) (-)

Ion 55.10 (54.80 to 55.80): VV010453.D (-1488) (-)

Ion 98.15 (97.85 to 98.85): VV010453.D (-1488) (-)

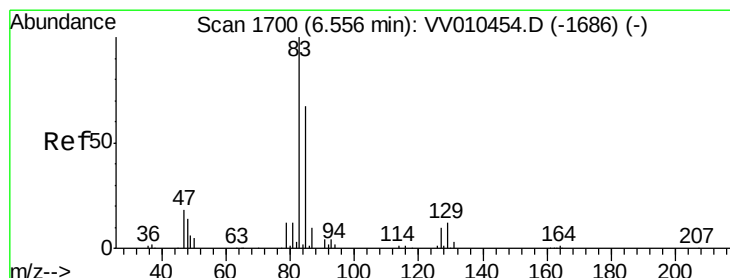
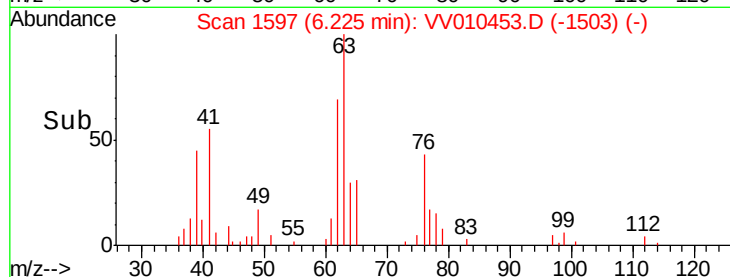
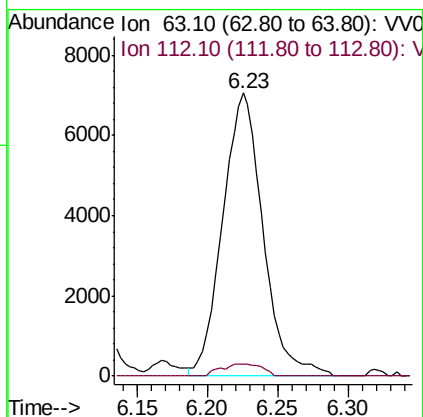
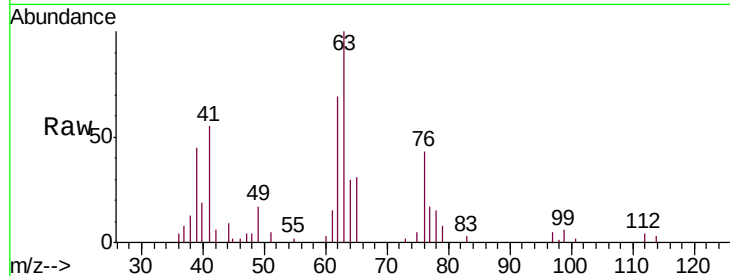




#37
 1,2-Dichloropropane
 Concen: 0.931 ug/L
 RT: 6.23 min Scan# 1597
 Delta R.T. 0.00 min
 Lab File: VV010453.D
 Acq: 24 Apr 2019 11:00

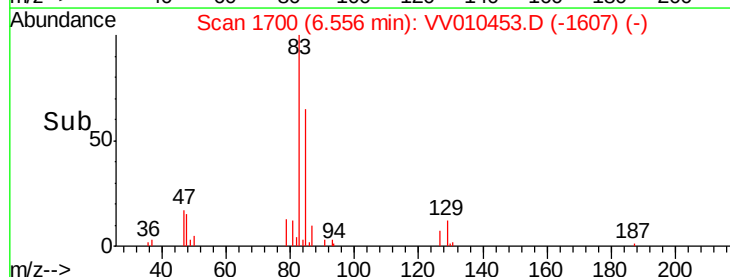
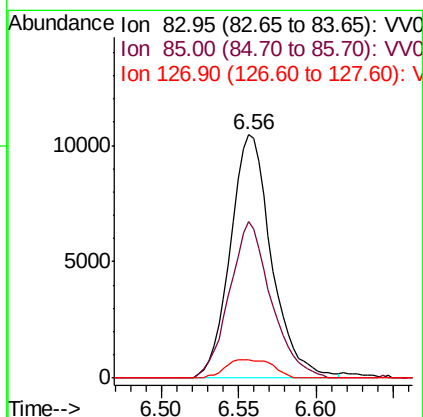
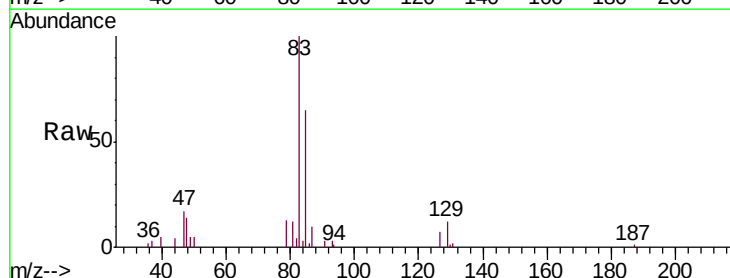
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00134

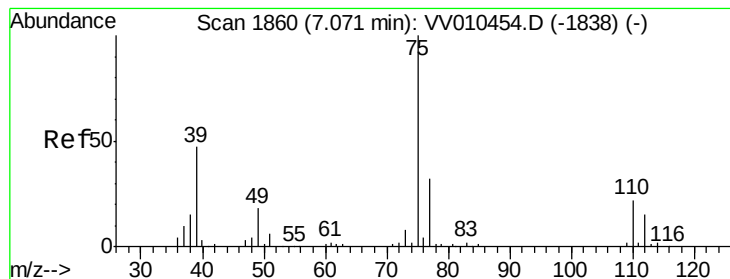
Tgt Ion: 63 Resp: 14096
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.8 5.6



#38
 Bromodichloromethane
 Concen: 0.953 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. -0.00 min
 Lab File: VV010453.D
 Acq: 24 Apr 2019 11:00

Tgt Ion: 83 Resp: 19339
 Ion Ratio Lower Upper
 83 100
 85 64.5 46.6 86.6
 127 7.3 7.8 11.8#



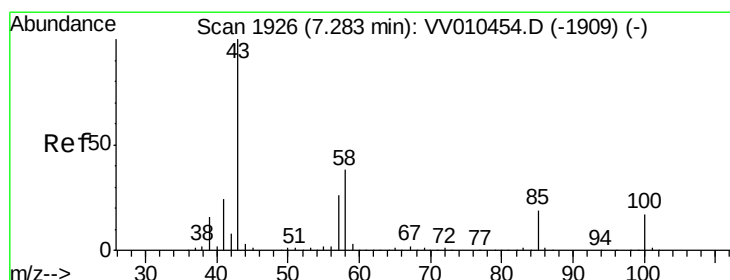
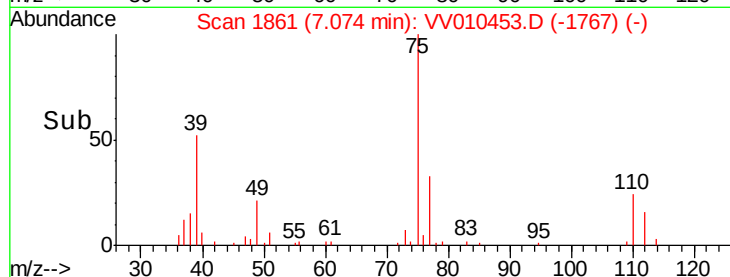
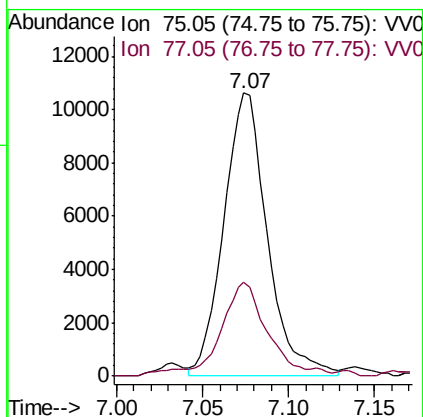
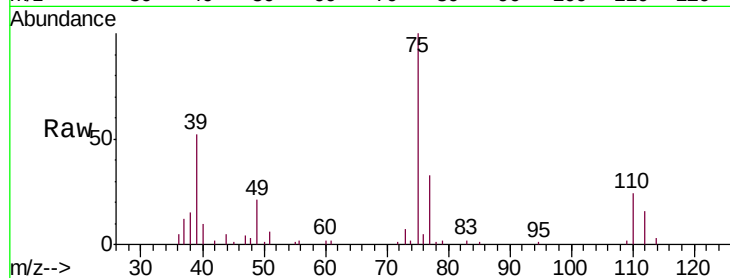


#39

cis-1,3-Dichloropropene
 Concen: 0.884 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VV010453.D
 Acq: 24 Apr 2019 11:00

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00134

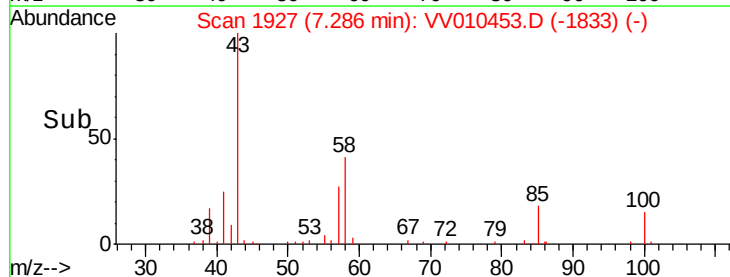
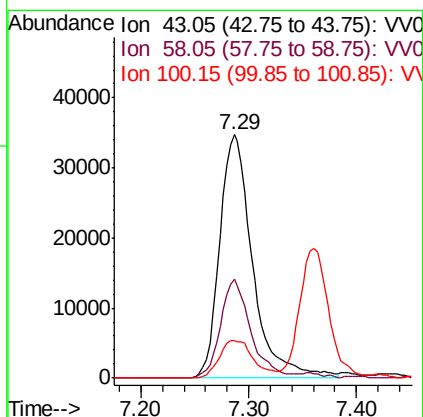
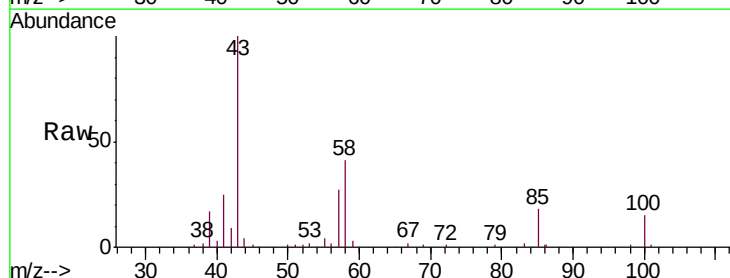
Tgt Ion: 75 Resp: 18786
 Ion Ratio Lower Upper
 75 100
 77 33.2 22.5 41.7

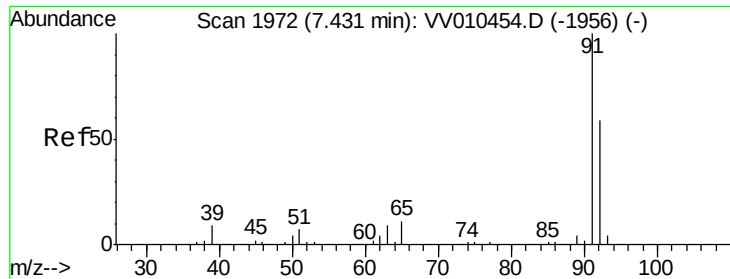


#40

4-Methyl-2-pentanone
 Concen: 8.921 ug/L
 RT: 7.29 min Scan# 1927
 Delta R.T. 0.00 min
 Lab File: VV010453.D
 Acq: 24 Apr 2019 11:00

Tgt Ion: 43 Resp: 74011
 Ion Ratio Lower Upper
 43 100
 58 36.8 30.3 45.5
 100 16.3 13.0 19.4





#42

Toluene

Concen: 0.863 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV010453.D

Acq: 24 Apr 2019 11:00

Instrument :

MSVOA_V

ClientSampleId :

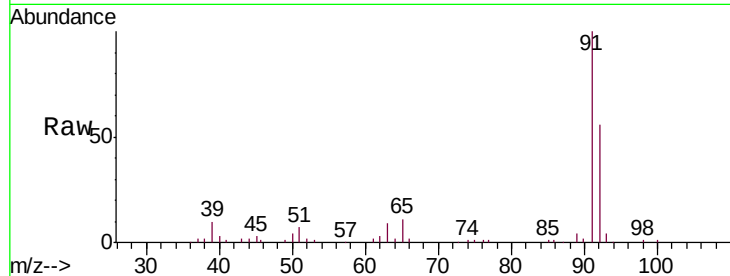
VSTD00134

Tgt Ion: 91 Resp: 62912

Ion Ratio Lower Upper

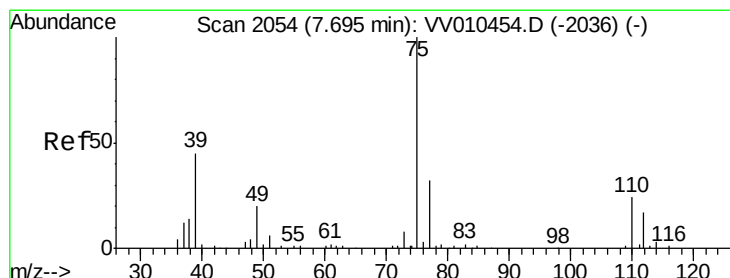
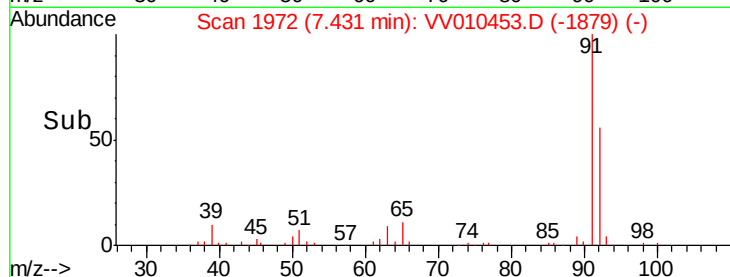
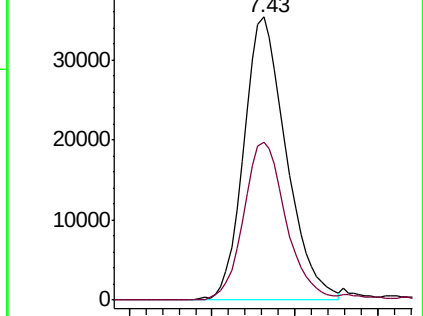
91 100

92 55.8 41.3 76.7



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 0.877 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV010453.D

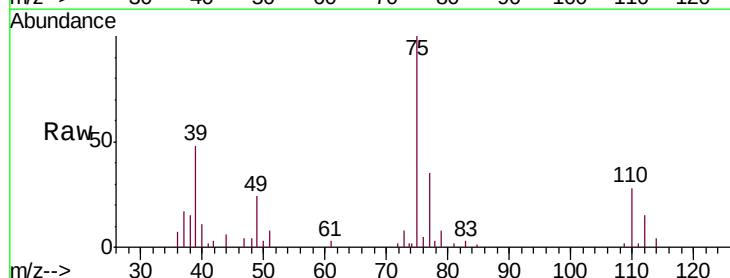
Acq: 24 Apr 2019 11:00

Tgt Ion: 75 Resp: 14442

Ion Ratio Lower Upper

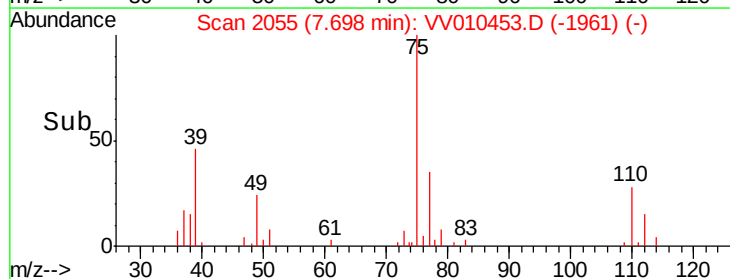
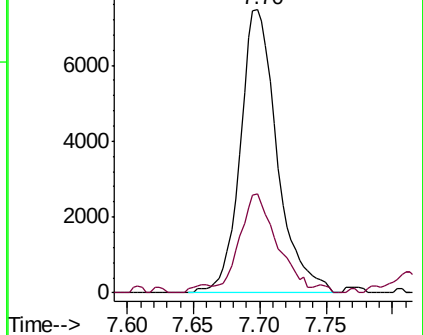
75 100

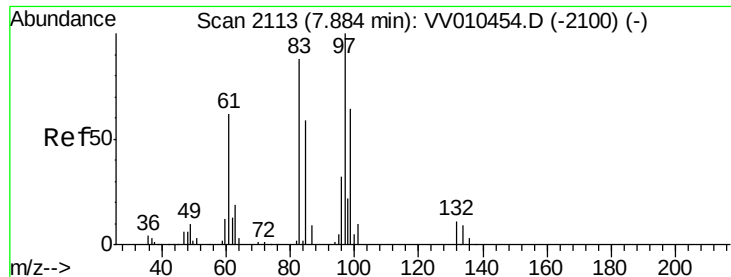
77 34.9 22.1 41.1



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

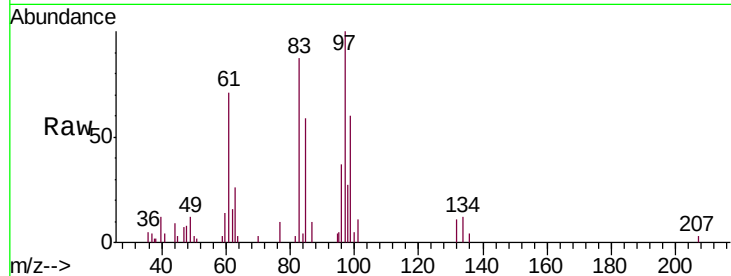




#45
 1,1,2-Trichloroethane
 Concen: 0.803 ug/L
 RT: 7.89 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VV010453.D
 Acq: 24 Apr 2019 11:00

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00134

Tgt Ion:	97	Resp:	9609
Ion	Ratio	Lower	Upper
97	100		
99	59.7	45.1	83.7
83	87.1	61.7	114.7
85	58.8	41.2	76.4



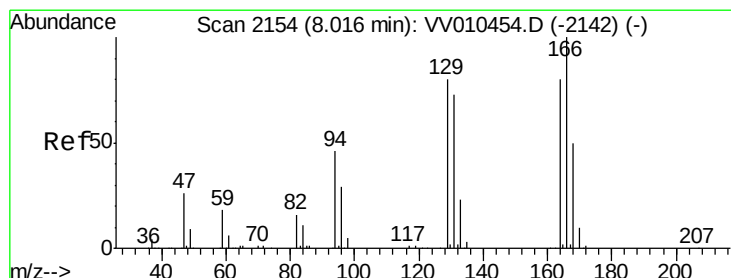
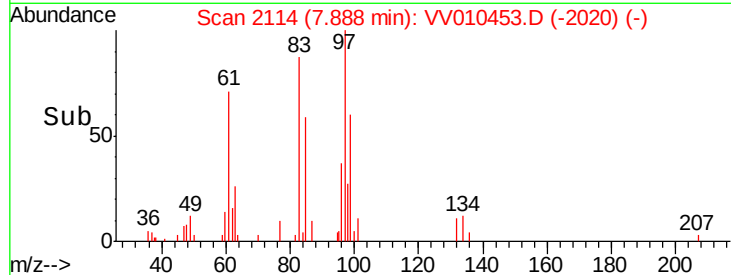
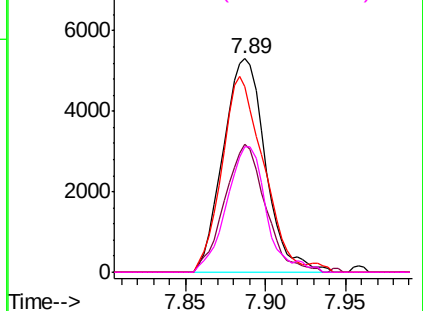
Abundance

Ion 96.95 (96.65 to 97.65): VV010453.D (-2020) (-)

Ion 99.05 (98.75 to 99.75): VV010453.D (-2020) (-)

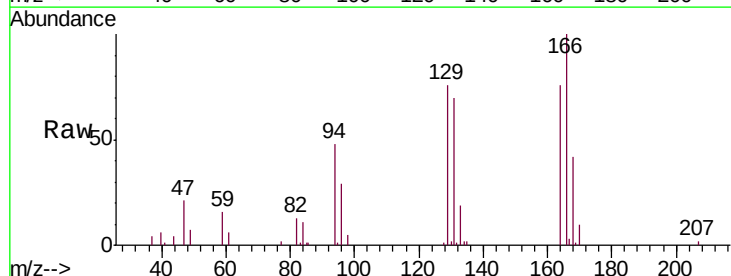
Ion 82.95 (82.65 to 83.65): VV010453.D (-2020) (-)

Ion 85.00 (84.70 to 85.70): VV010453.D (-2020) (-)



#47
 Tetrachloroethene
 Concen: 0.861 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV010453.D
 Acq: 24 Apr 2019 11:00

Tgt Ion:	164	Resp:	14317
Ion	Ratio	Lower	Upper
164	100		
129	99.5	69.7	129.4
131	91.7	63.8	118.6
166	131.6	87.4	162.2



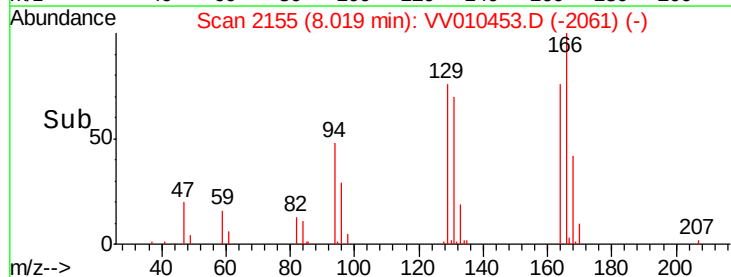
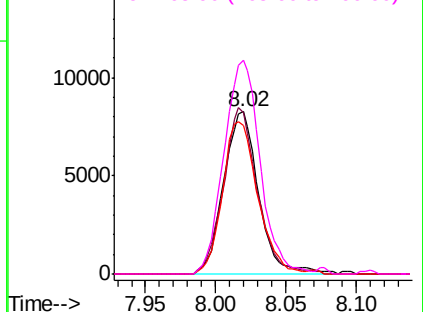
Abundance

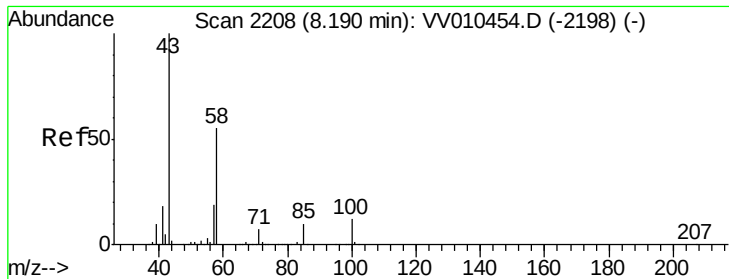
Ion 163.90 (163.60 to 164.60): VV010453.D (-2061) (-)

Ion 128.95 (128.65 to 129.65): VV010453.D (-2061) (-)

Ion 130.95 (130.65 to 131.65): VV010453.D (-2061) (-)

Ion 165.90 (165.60 to 166.60): VV010453.D (-2061) (-)

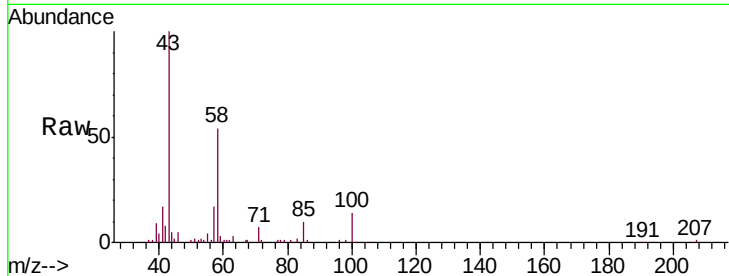




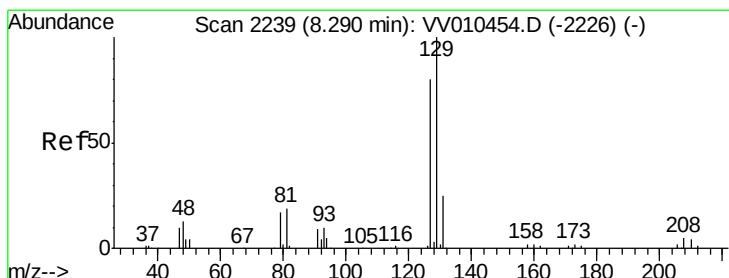
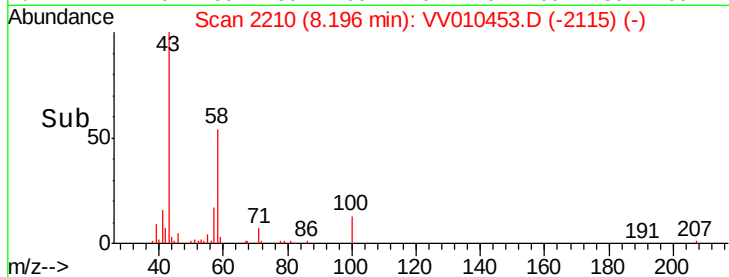
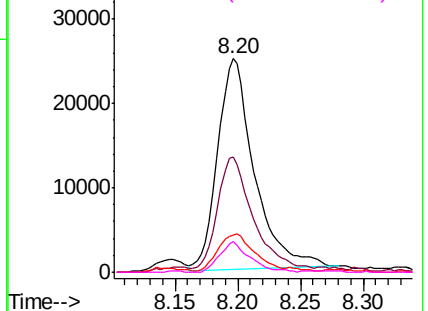
#48
2-Hexanone
Concen: 9.122 ug/L
RT: 8.20 min Scan# 2210
Delta R.T. 0.01 min
Lab File: VV010453.D
Acq: 24 Apr 2019 11:00

Instrument :
MSVOA_V
ClientSampleId :
VSTD00134

Tgt Ion:	43	Resp:	50907
Ion	Ratio	Lower	Upper
43	100		
58	50.8	42.2	63.4
57	16.7	15.3	22.9
100	11.9	9.6	14.4

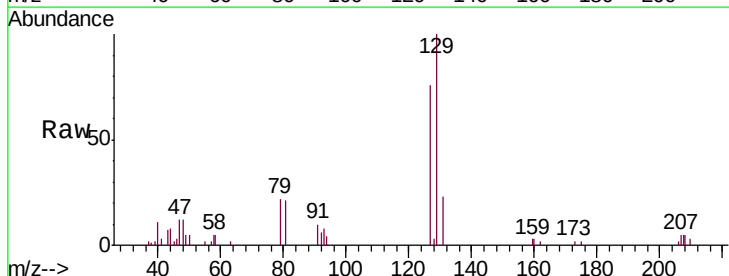


Abundance Ion 43.05 (42.75 to 43.75): VV010453.D (-2115) (-)
Ion 58.05 (57.75 to 58.75): VV010453.D (-2115) (-)
Ion 57.20 (56.90 to 57.90): VV010453.D (-2115) (-)
Ion 100.15 (99.85 to 100.85): VV010453.D (-2115) (-)

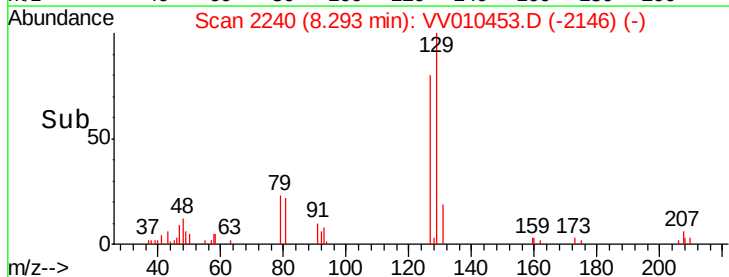
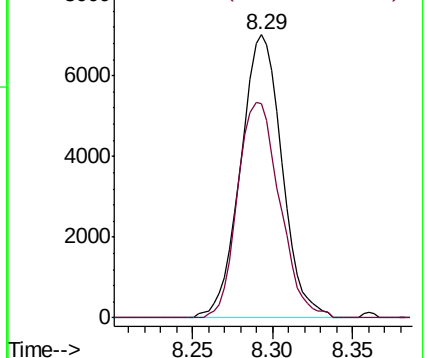


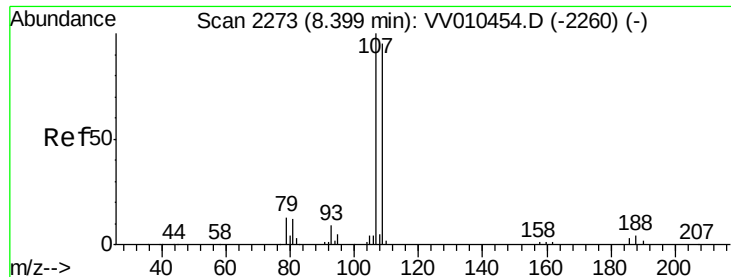
#49
Dibromochloromethane
Concen: 0.861 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VV010453.D
Acq: 24 Apr 2019 11:00

Tgt Ion:	129	Resp:	12395
Ion	Ratio	Lower	Upper
129	100		
127	75.9	56.1	104.1



Abundance Ion 128.95 (128.65 to 129.65): VV010453.D (-2146) (-)
Ion 126.90 (126.60 to 127.60): VV010453.D (-2146) (-)





#50

1,2-Dibromoethane

Concen: 0.886 ug/L

RT: 8.40 min Scan# 2274

Delta R.T. 0.00 min

Lab File: VV010453.D

Acq: 24 Apr 2019 11:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD00134

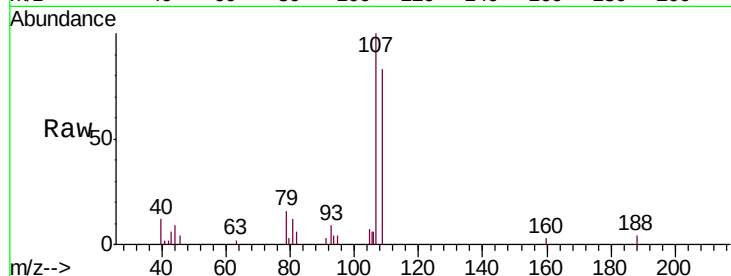
Tgt Ion:107 Resp: 9641

Ion Ratio Lower Upper

107 100

109 82.5 66.1 122.8

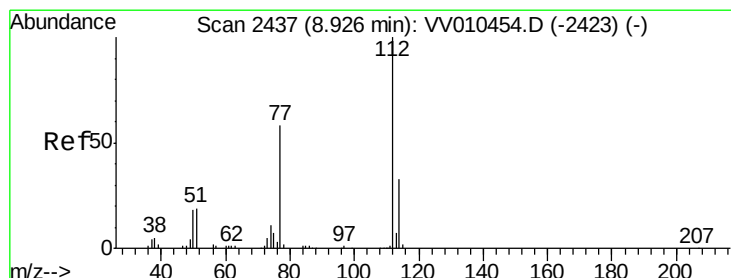
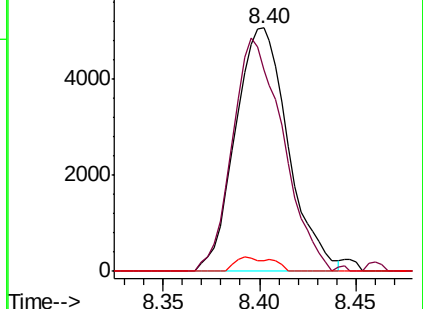
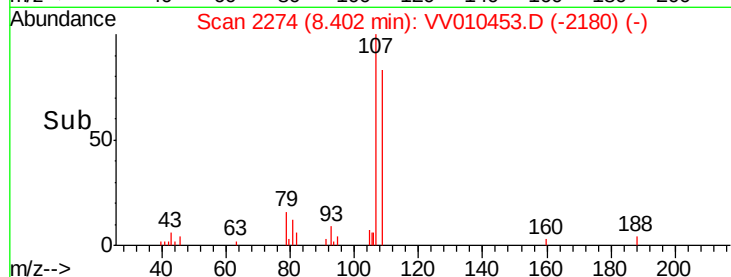
188 4.1 3.4 5.0



Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51

Chlorobenzene

Concen: 0.882 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. -0.00 min

Lab File: VV010453.D

Acq: 24 Apr 2019 11:00

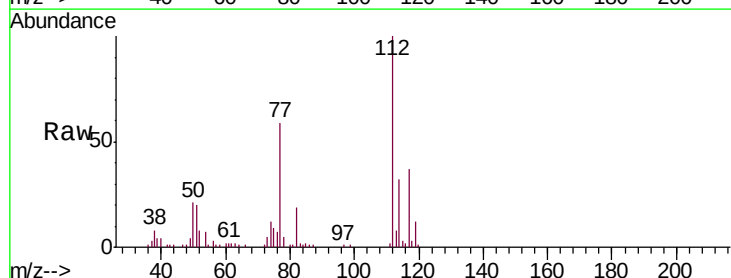
Tgt Ion:112 Resp: 43579

Ion Ratio Lower Upper

112 100

114 31.8 23.0 42.6

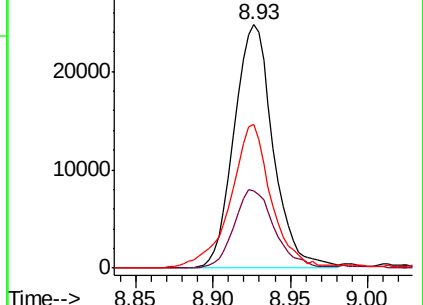
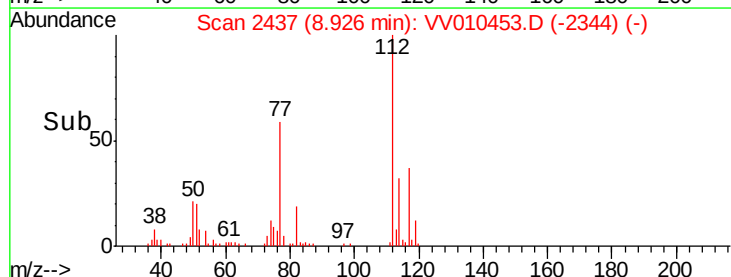
77 58.9 46.8 70.2

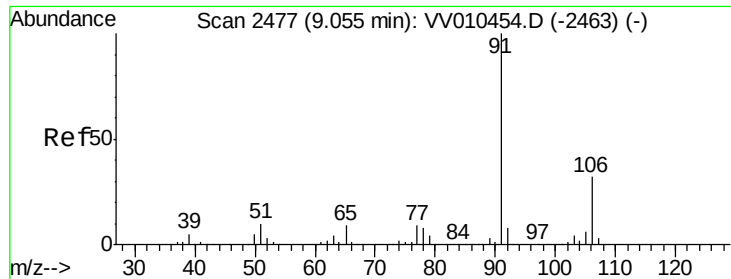


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0





#52

Ethylbenzene

Concen: 0.891 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV010453.D

Acq: 24 Apr 2019 11:00

Instrument :

MSVOA_V

ClientSampleId :

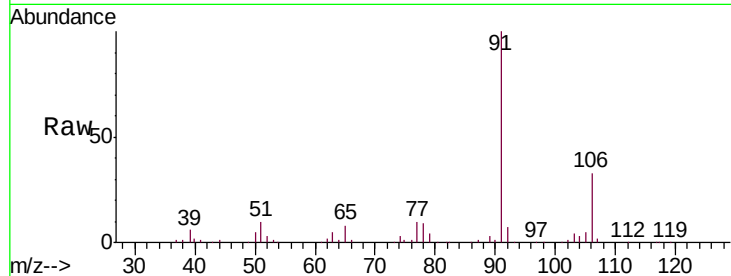
VSTD00134

Tgt Ion: 91 Resp: 70338

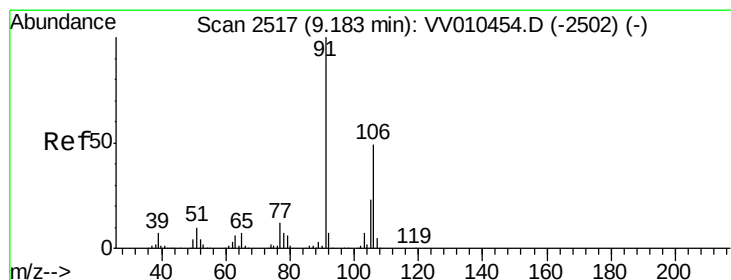
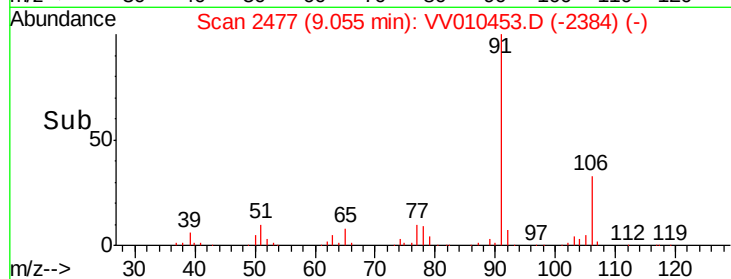
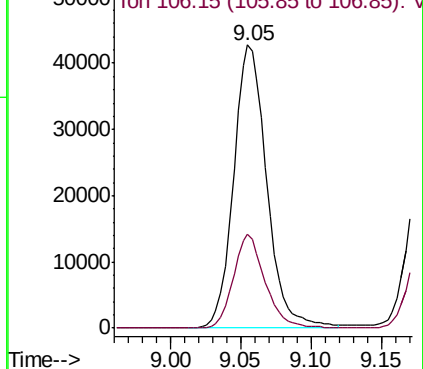
Ion Ratio Lower Upper

91 100

106 33.2 22.4 41.6



Abundance Ion 91.15 (90.85 to 91.85): VV010453.D (-2384) (-)



#53

m,p-xylene

Concen: 0.848 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV010453.D

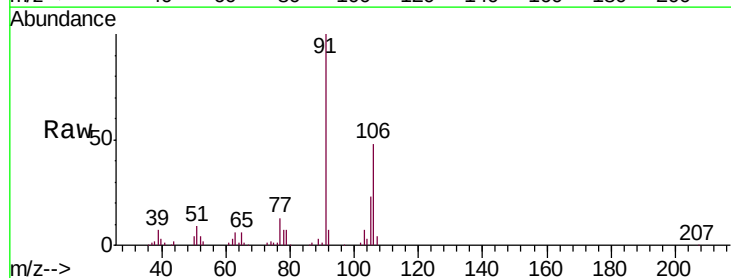
Acq: 24 Apr 2019 11:00

Tgt Ion: 106 Resp: 26129

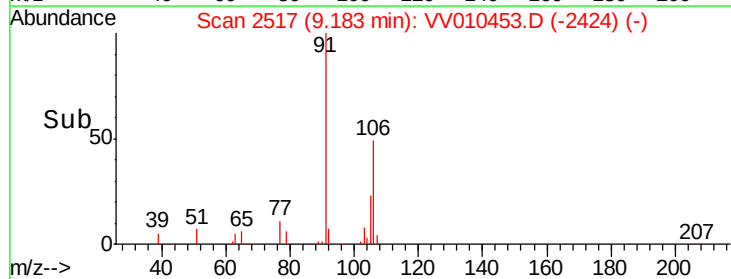
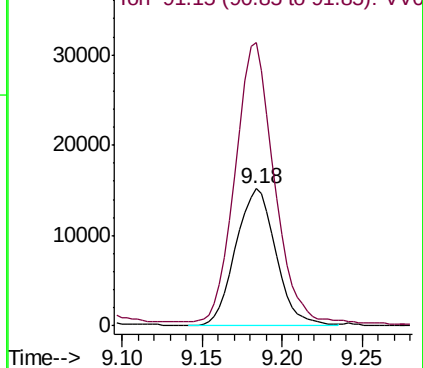
Ion Ratio Lower Upper

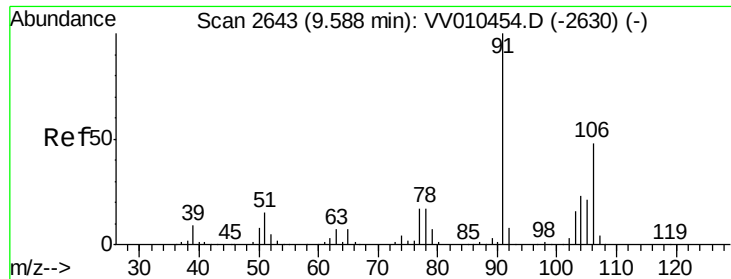
106 100

91 206.4 142.9 265.3



Abundance Ion 106.15 (105.85 to 106.85): VV010453.D (-2424) (-)





#54

o-xylene

Concen: 0.874 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. -0.00 min

Lab File: VV010453.D

Acq: 24 Apr 2019 11:00

Instrument :

MSVOA_V

ClientSampleId :

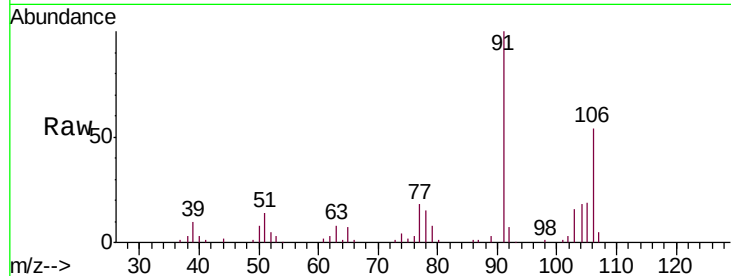
VSTD00134

Tgt Ion:106 Resp: 26027

Ion Ratio Lower Upper

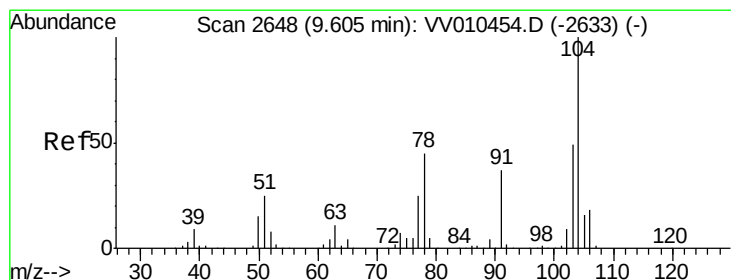
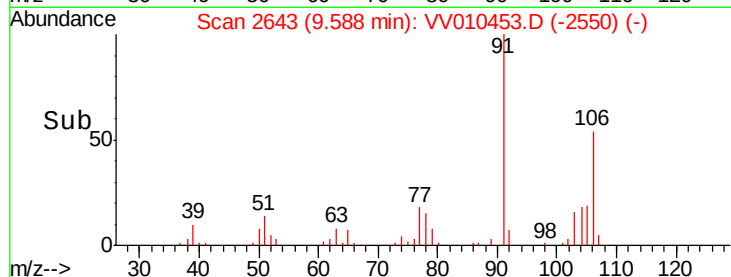
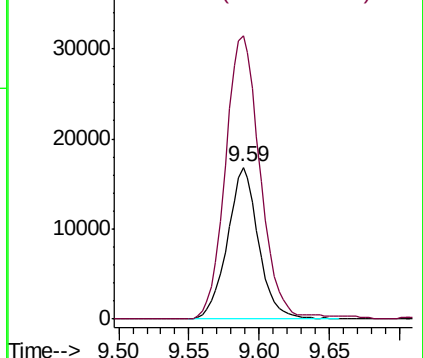
106 100

91 186.7 147.5 273.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 0.803 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. -0.00 min

Lab File: VV010453.D

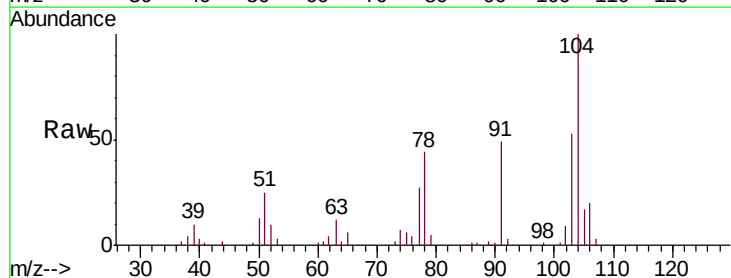
Acq: 24 Apr 2019 11:00

Tgt Ion:104 Resp: 38550

Ion Ratio Lower Upper

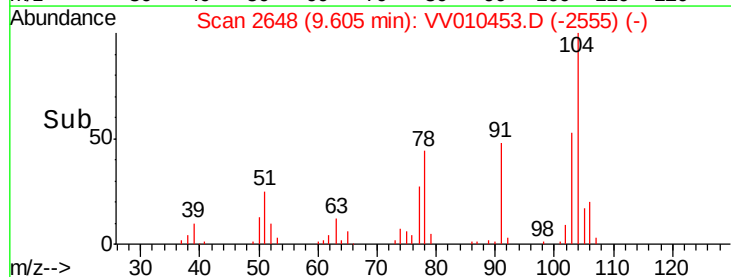
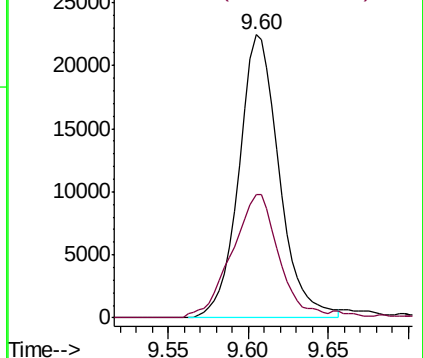
104 100

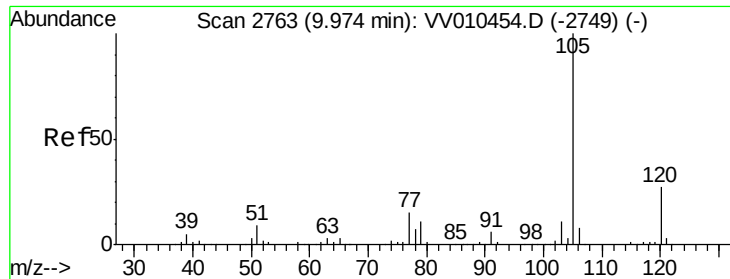
78 43.6 31.4 58.4



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 0.870 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV010453.D

Acq: 24 Apr 2019 11:00

Instrument :

MSVOA_V

ClientSampled :

VSTD00134

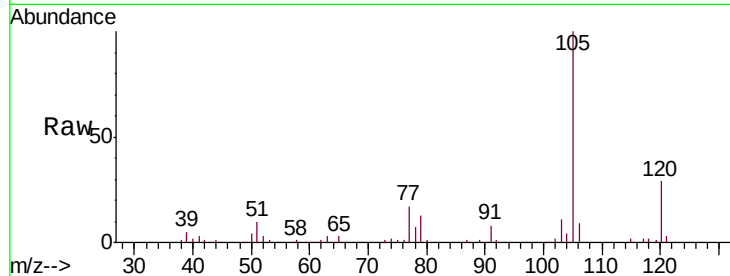
Tgt Ion: 105 Resp: 68897

Ion Ratio Lower Upper

105 100

120 27.5 21.9 32.9

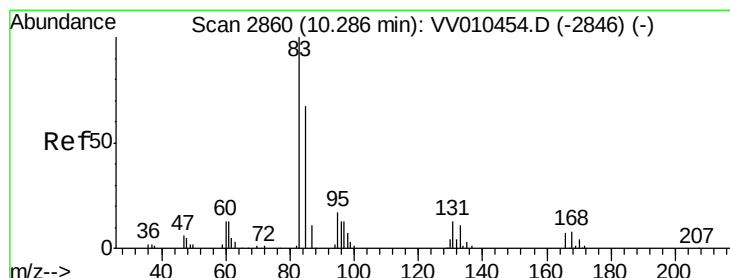
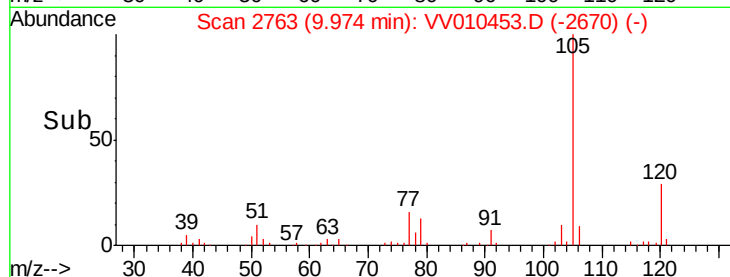
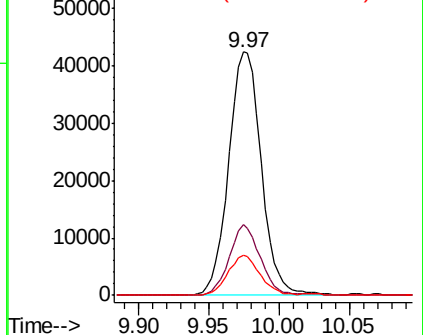
77 16.1 11.9 17.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 0.886 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VV010453.D

Acq: 24 Apr 2019 11:00

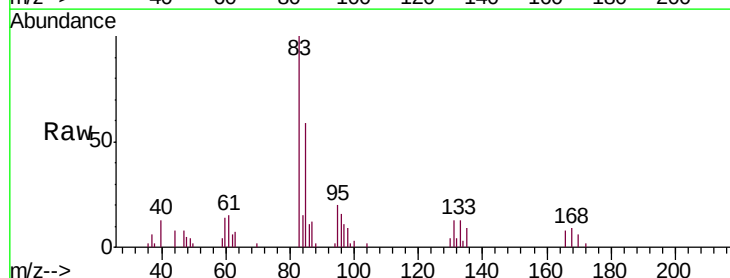
Tgt Ion: 83 Resp: 11547

Ion Ratio Lower Upper

83 100

85 59.2 46.9 87.1

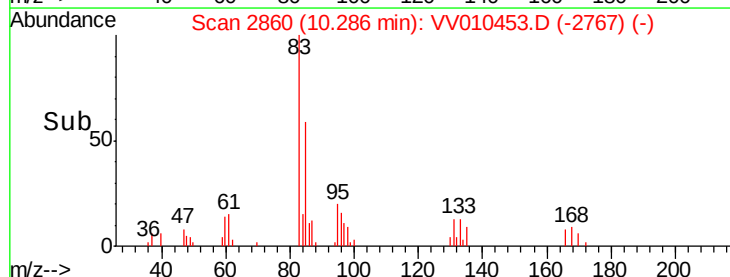
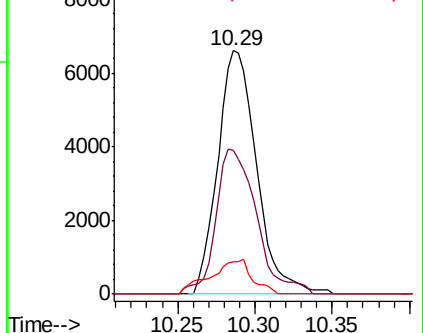
131 13.3 10.3 15.5

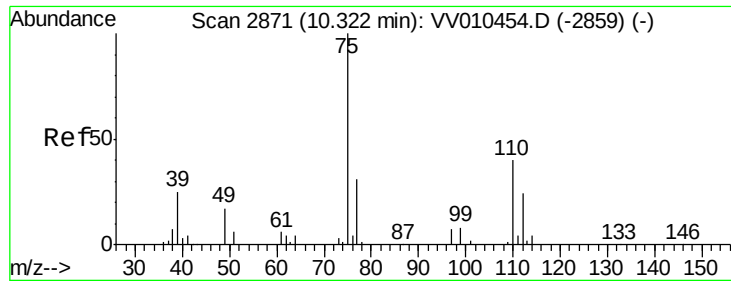


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 0.946 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. -0.00 min

Lab File: VV010453.D

Acq: 24 Apr 2019 11:00

Instrument :

MSVOA_V

ClientSampleId :

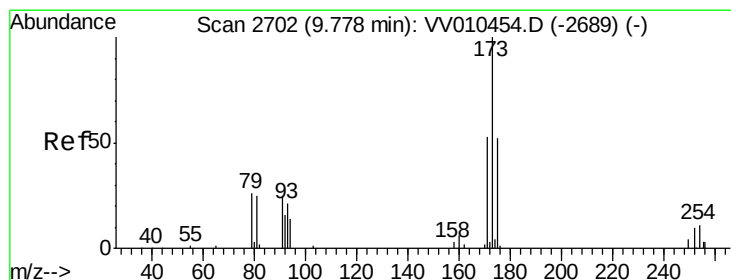
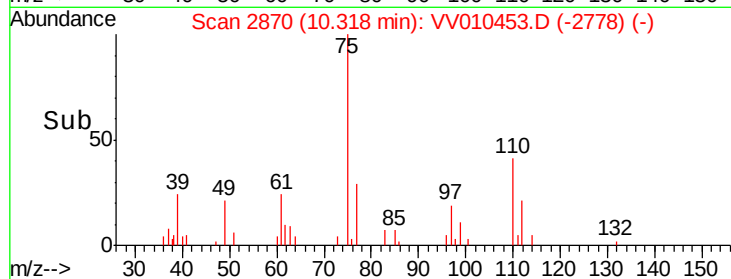
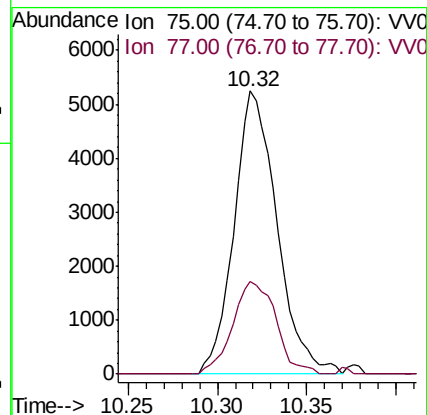
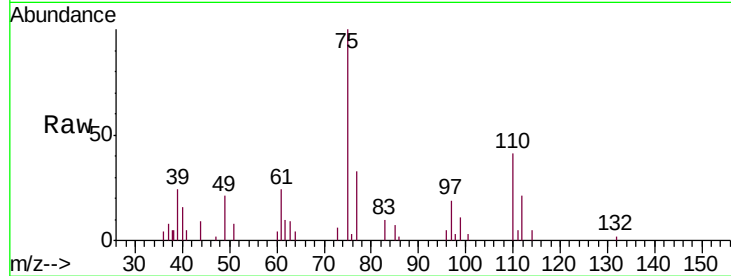
VSTD00134

Tgt Ion: 75 Resp: 8810

Ion Ratio Lower Upper

75 100

77 33.1 25.9 38.9



#61

Bromoform

Concen: 0.896 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. -0.00 min

Lab File: VV010453.D

Acq: 24 Apr 2019 11:00

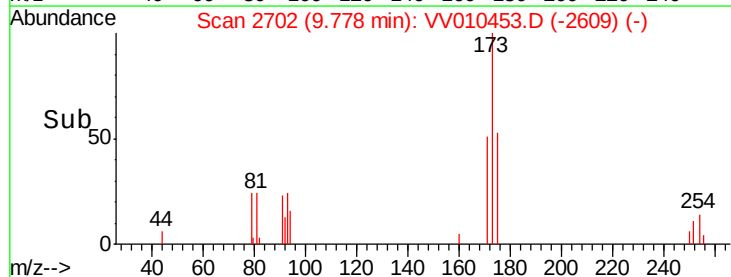
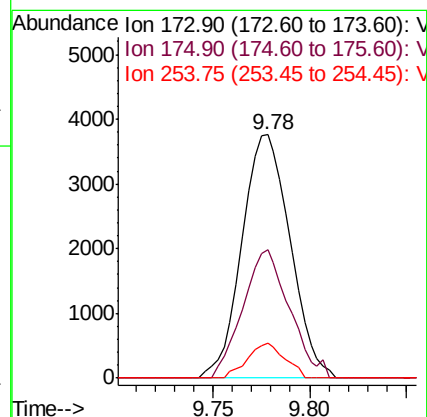
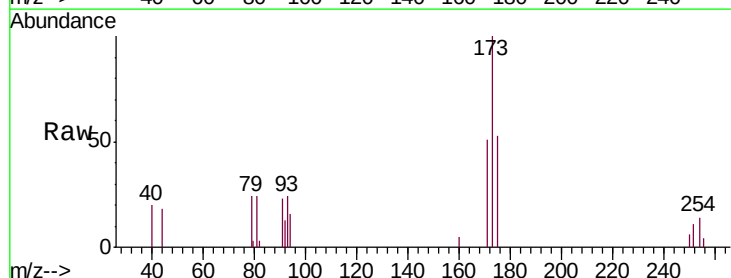
Tgt Ion: 173 Resp: 6516

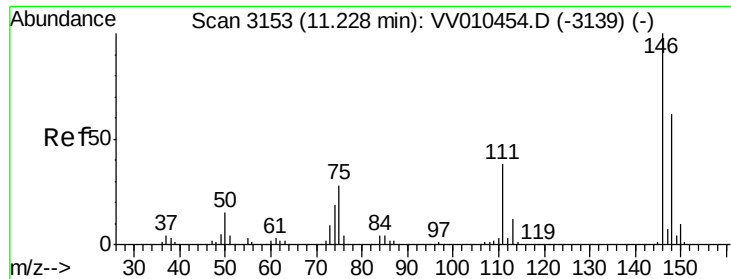
Ion Ratio Lower Upper

173 100

175 51.2 38.9 58.3

254 11.1 8.1 12.1

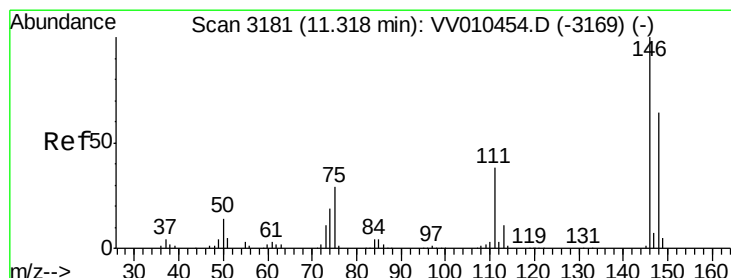
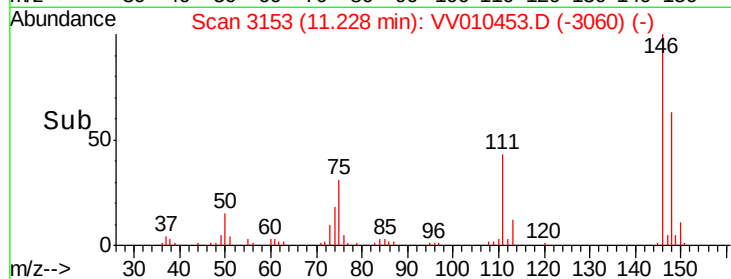
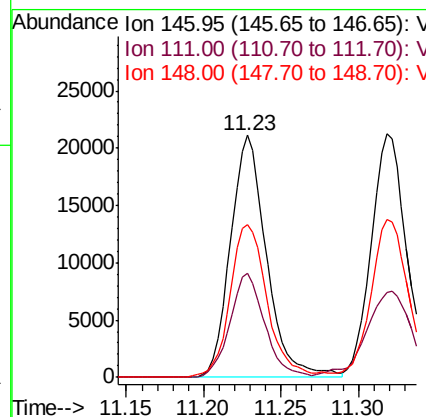
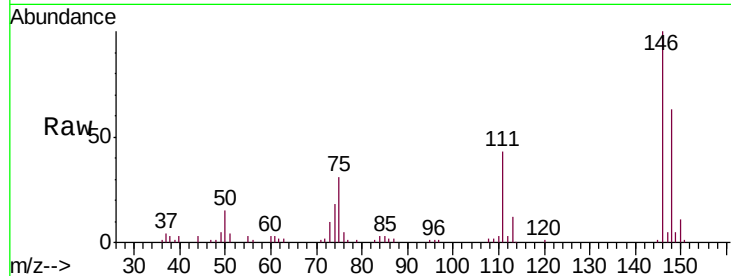




#62
 1,3-Dichlorobenzene
 Concen: 0.898 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. -0.00 min
 Lab File: VV010453.D
 Acq: 24 Apr 2019 11:00

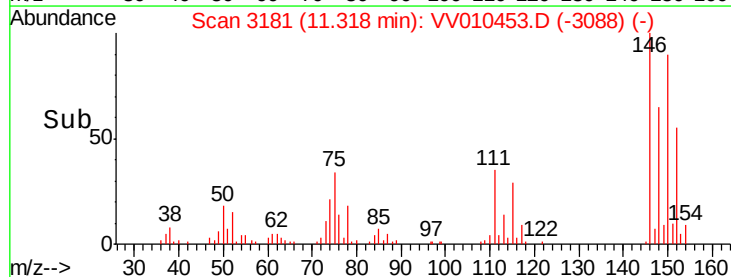
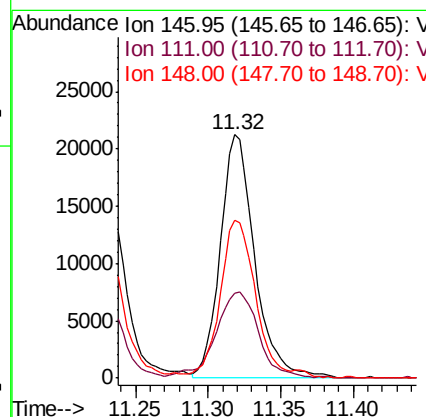
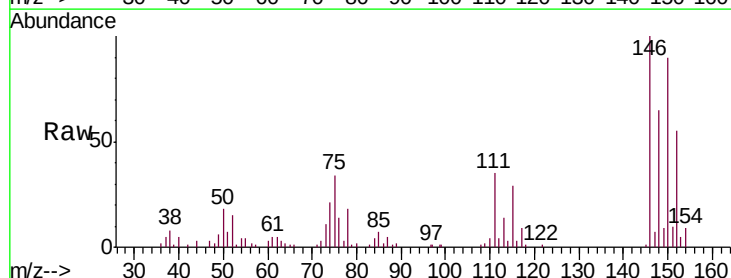
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00134

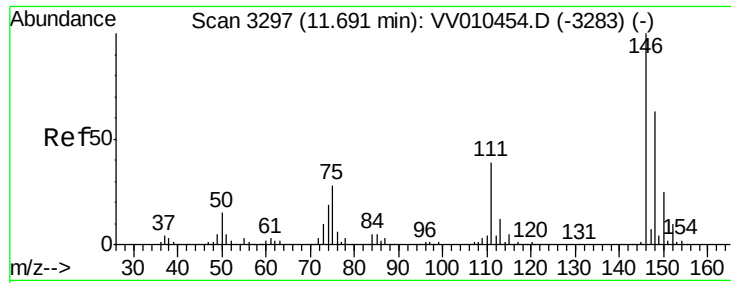
Tgt Ion:146 Resp: 34021
 Ion Ratio Lower Upper
 146 100
 111 43.1 26.3 48.9
 148 63.0 43.3 80.3



#63
 1,4-Dichlorobenzene
 Concen: 0.921 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. -0.00 min
 Lab File: VV010453.D
 Acq: 24 Apr 2019 11:00

Tgt Ion:146 Resp: 35134
 Ion Ratio Lower Upper
 146 100
 111 34.8 26.6 49.4
 148 64.9 44.5 82.7





#65

1,2-Dichlorobenzene

Concen: 0.943 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. -0.00 min

Lab File: VV010453.D

Acq: 24 Apr 2019 11:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD00134

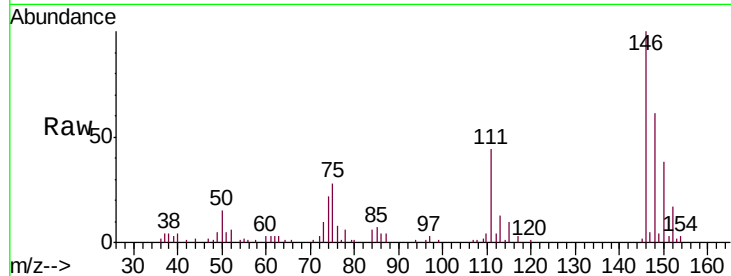
Tgt Ion:146 Resp: 33534

Ion Ratio Lower Upper

146 100

111 43.7 31.6 47.4

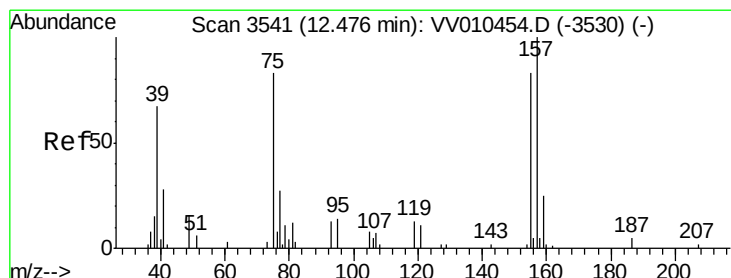
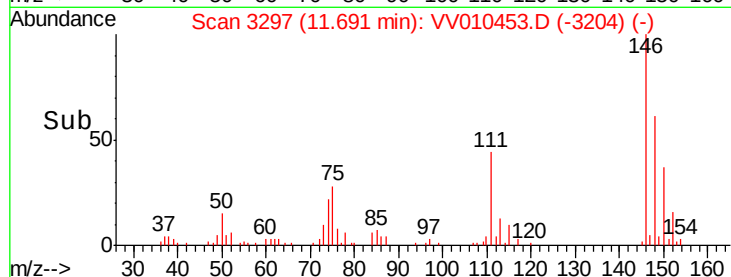
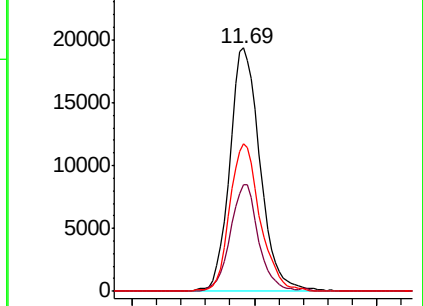
148 60.9 50.2 75.4



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: 0.969 ug/L

RT: 12.48 min Scan# 3542

Delta R.T. 0.00 min

Lab File: VV010453.D

Acq: 24 Apr 2019 11:00

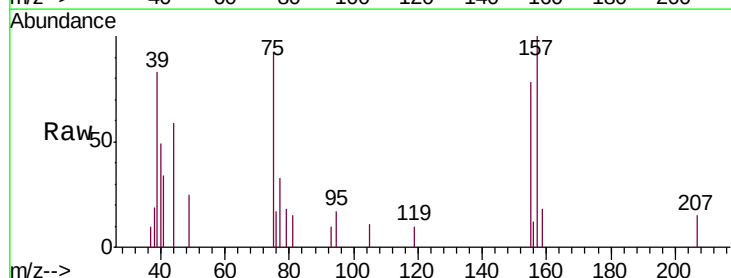
Tgt Ion: 75 Resp: 1636

Ion Ratio Lower Upper

75 100

155 85.2 80.3 120.5

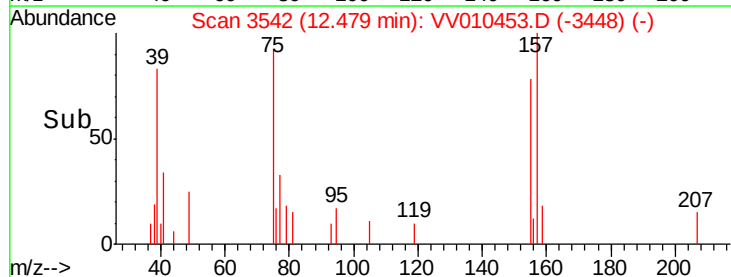
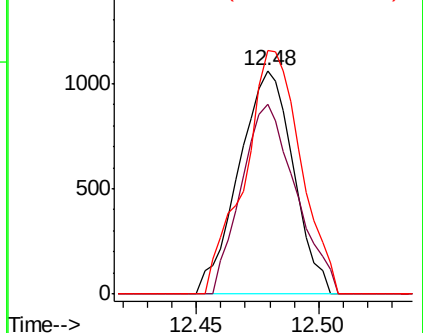
157 109.1 96.7 145.1

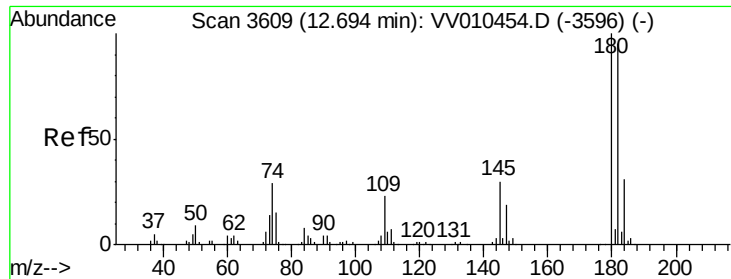


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

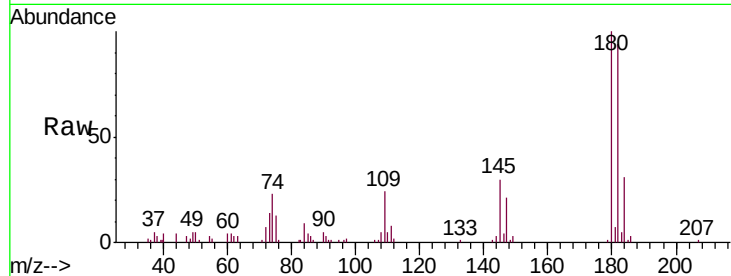




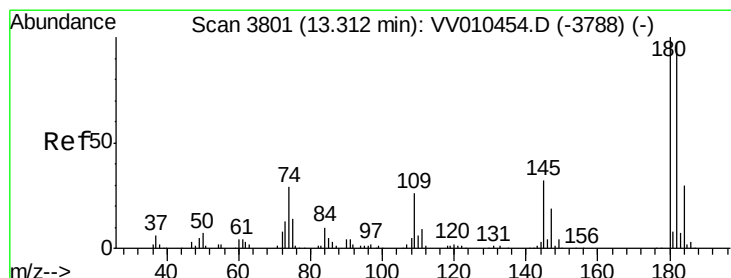
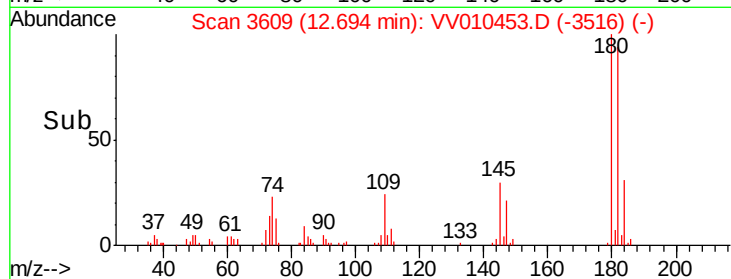
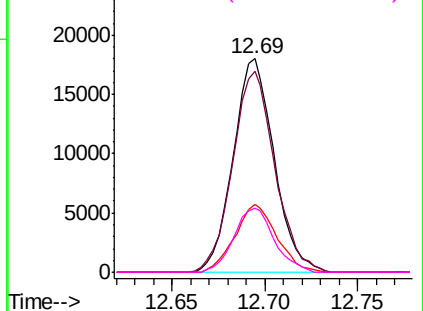
#67
 1,3,5-Trichlorobenzene
 Concen: 0.939 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VV010453.D
 Acq: 24 Apr 2019 11:00

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00134

Tgt Ion:	180	Resp:	27606
Ion	Ratio	Lower	Upper
180	100		
182	96.8	74.8	112.2
184	32.3	24.0	36.0
145	29.4	23.7	35.5

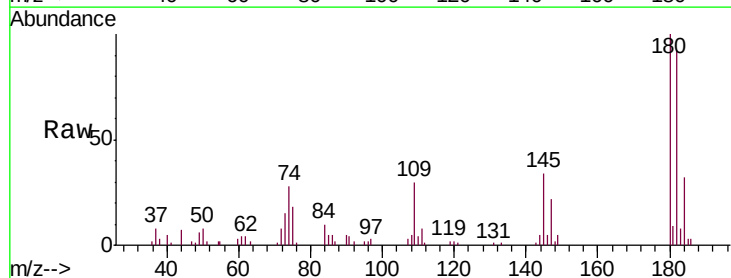


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

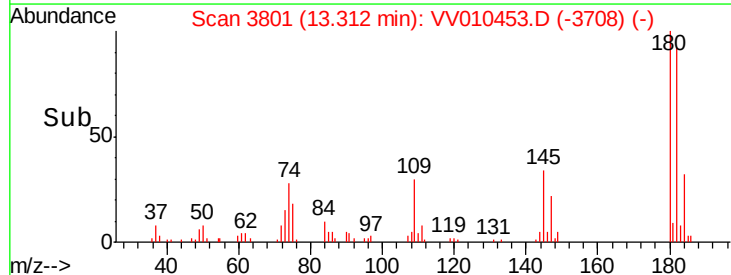
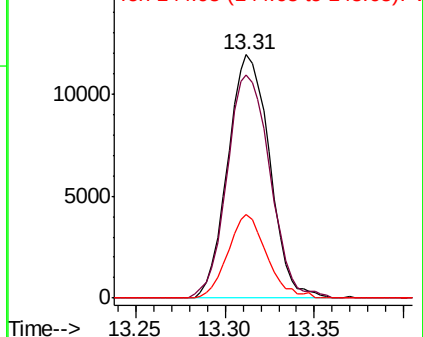


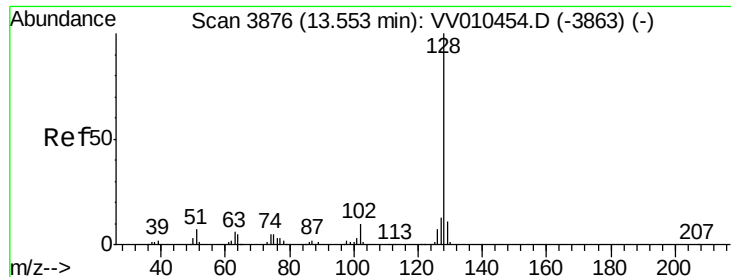
#68
 1,2,4-trichlorobenzene
 Concen: 0.925 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. -0.00 min
 Lab File: VV010453.D
 Acq: 24 Apr 2019 11:00

Tgt Ion:	180	Resp:	19454
Ion	Ratio	Lower	Upper
180	100		
182	94.7	76.3	114.5
145	31.7	24.5	36.7



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: 1.014 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. 0.00 min

Lab File: VV010453.D

Acq: 24 Apr 2019 11:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD00134

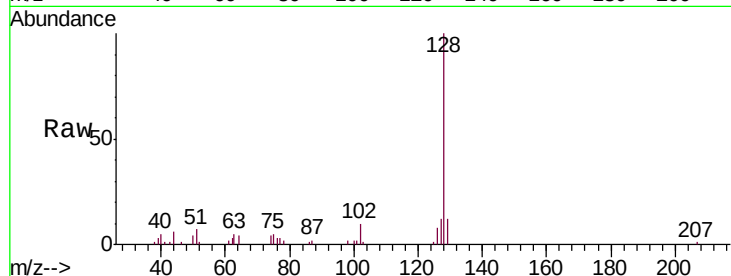
Tgt Ion:128 Resp: 25867

Ion Ratio Lower Upper

128 100

129 11.8 8.7 13.1

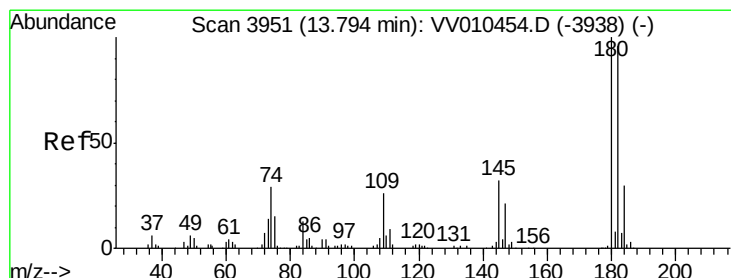
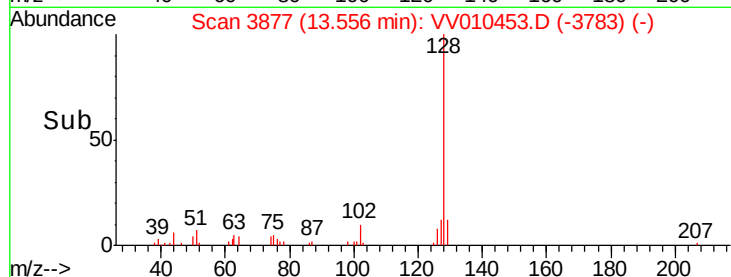
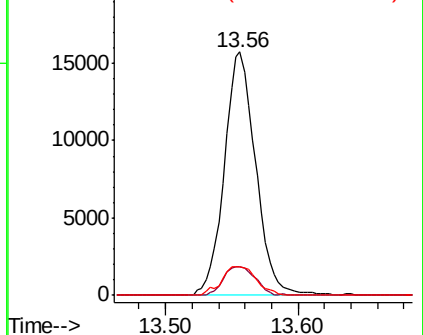
127 13.0 10.3 15.5



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: 0.972 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. 0.00 min

Lab File: VV010453.D

Acq: 24 Apr 2019 11:00

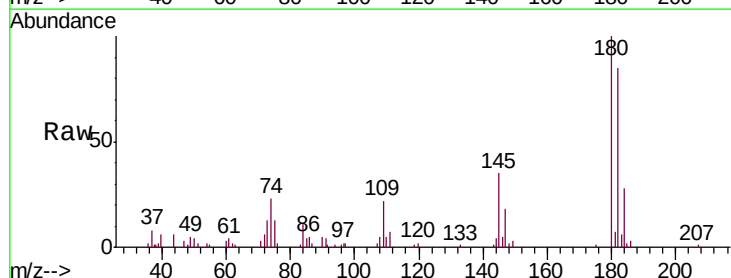
Tgt Ion:180 Resp: 18581

Ion Ratio Lower Upper

180 100

182 91.9 76.9 115.3

145 33.6 25.4 38.0



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

