

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091218\
 Data File : VV007474.D
 Acq On : 12 Sep 2018 13:08
 Operator : SY/MD
 Sample : VSTD01067
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01067

Quant Time: Sep 13 01:55:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091218WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Sep 13 01:53:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	127818	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	114997	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	61177	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	70453	10.30	ug/L	0.00
7) Chloroethane-d5	1.58	69	59440	10.42	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	139815	10.15	ug/L	0.00
20) 2-Butanone-d5	3.97	46	156774	106.44	ug/L	0.00
24) Chloroform-d	4.41	84	140908	10.46	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	73070	10.35	ug/L	0.00
32) Benzene-d6	5.10	84	269340	10.30	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.13	67	79179	10.11	ug/L	0.00
41) Toluene-d8	7.36	98	272965	10.32	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	37138	9.60	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	103791	112.89	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	61015	10.16	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	105497	10.06	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	80845	10.849 ug/L	98
3) Chloromethane	1.25	50	63618	9.748 ug/L	99
5) Vinyl chloride	1.32	62	74746	9.957 ug/L	100
6) Bromomethane	1.53	94	48774	9.799 ug/L	98
8) Chloroethane	1.60	64	44280	9.924 ug/L	99
9) Trichlorofluoromethane	1.77	101	130130	9.946 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	73134	9.781 ug/L	99
12) 1,1-Dichloroethene	2.14	96	64219	9.738 ug/L	98
13) Acetone	2.21	43	91786	106.752 ug/L	89
14) Carbon disulfide	2.32	76	201306	9.973 ug/L	99
15) Methyl Acetate	2.47	43	21510	9.048 ug/L	95
16) Methylene chloride	2.54	84	63414	8.998 ug/L	99
17) Methyl tert-butyl Ether	2.82	73	163652	9.814 ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	69700	9.884 ug/L	98
19) 1,1-Dichloroethane	3.23	63	110670	9.611 ug/L	96
21) 2-Butanone	4.05	43	148982	106.610 ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	71207	10.279 ug/L	# 100
23) Bromochloromethane	4.30	128	33110	9.987 ug/L	99
25) Chloroform	4.43	83	123199	10.374 ug/L	98
27) 1,2-Dichloroethane	5.19	62	77985	10.497 ug/L	95
29) 1,1,1-Trichloroethane	4.66	97	120005	10.124 ug/L	99
30) Cyclohexane	4.72	56	103360	9.839 ug/L	98
31) Carbon tetrachloride	4.88	117	112922	10.324 ug/L	98
33) Benzene	5.15	78	254570	10.149 ug/L	100
34) Trichloroethene	5.96	95	76774	10.150 ug/L	94
35) Methylcyclohexane	6.18	83	120163	10.240 ug/L	99
37) 1,2-Dichloropropane	6.23	63	62870	9.897 ug/L	100
38) Bromodichloromethane	6.56	83	92408	10.280 ug/L	98
39) cis-1,3-Dichloropropene	7.08	75	106108	10.379 ug/L	100
40) 4-Methyl-2-pentanone	7.29	43	374175	103.426 ug/L	99

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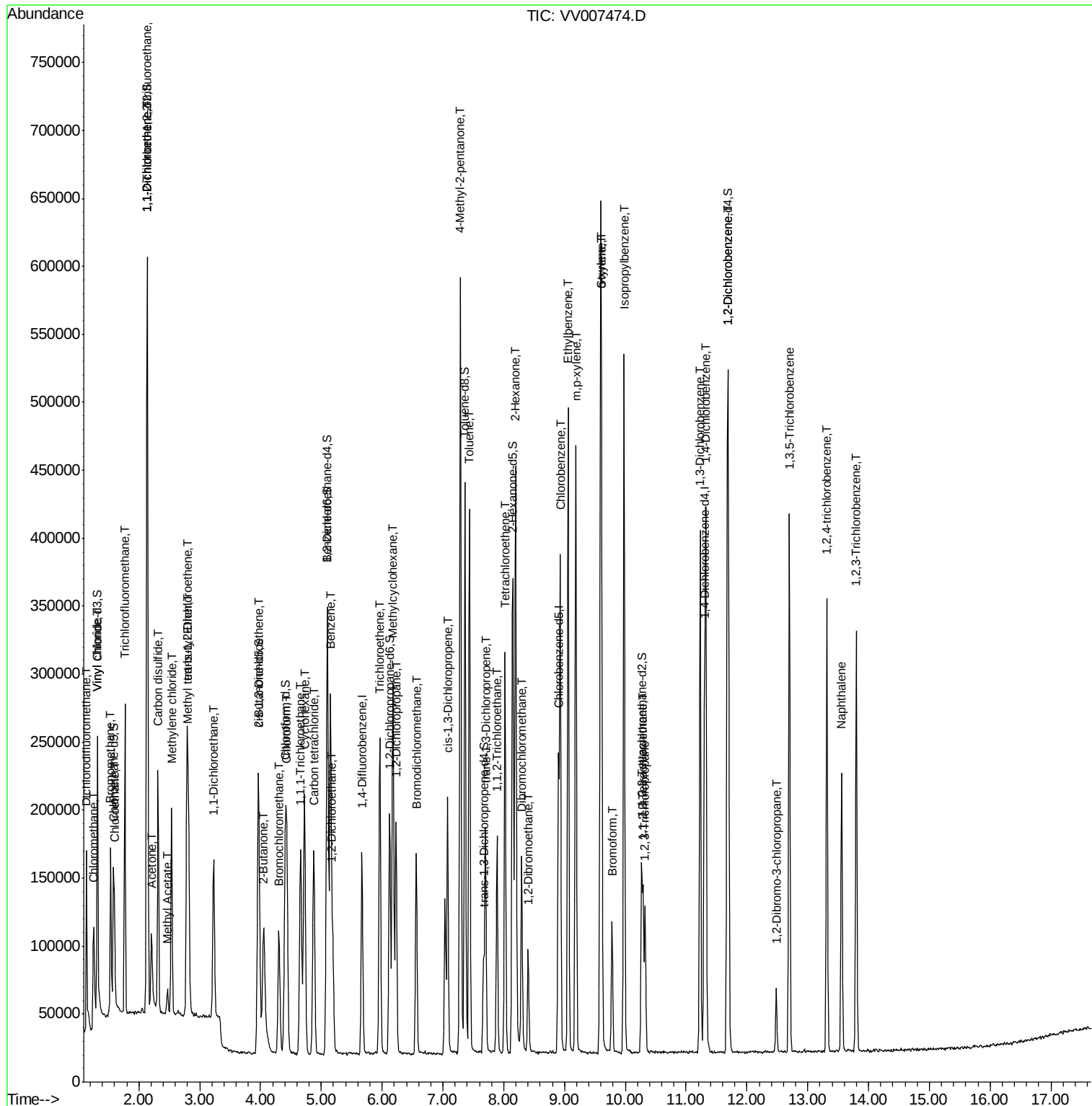
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.44	91	284326	10.236	ug/L	98
44) trans-1,3-Dichloropropene	7.70	75	88136	10.270	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	47376	9.851	ug/L	97
47) Tetrachloroethene	8.02	164	66058	10.209	ug/L	98
48) 2-Hexanone	8.20	43	275156	104.485	ug/L	96
49) Dibromochloromethane	8.30	129	69886	10.502	ug/L	97
50) 1,2-Dibromoethane	8.40	107	47294	10.078	ug/L	99
51) Chlorobenzene	8.93	112	190478	10.093	ug/L	99
52) Ethylbenzene	9.06	91	326577	10.315	ug/L	99
53) m,p-xylene	9.19	106	125422	10.184	ug/L	99
54) o-xylene	9.59	106	121791	10.130	ug/L	99
55) Styrene	9.61	104	205980	10.456	ug/L	98
56) Isopropylbenzene	9.98	105	332357	10.265	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	55551	10.534	ug/L	95
59) 1,2,3-Trichloropropane	10.32	75	40897	10.110	ug/L	100
61) Bromoform	9.78	173	43837	10.318	ug/L	97
62) 1,3-Dichlorobenzene	11.23	146	158372	10.157	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	157503	10.143	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	149356	10.200	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	11242	10.326	ug/L	97
67) 1,3,5-Trichlorobenzene	12.70	180	127000	10.623	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	104716	11.546	ug/L	99
69) Naphthalene	13.56	128	167131	11.844	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	96418	11.334	ug/L	99

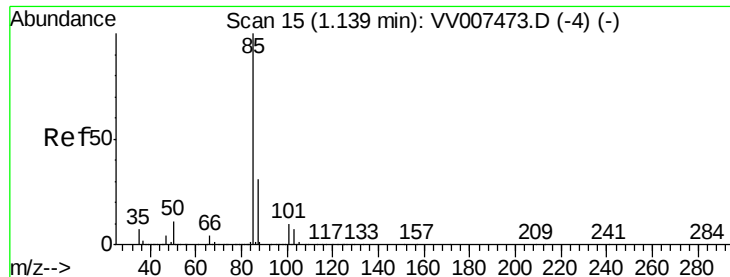
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 10.849 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV007474.D

Acq: 12 Sep 2018 13:08

Instrument :

MSVOA_V

ClientSampleId :

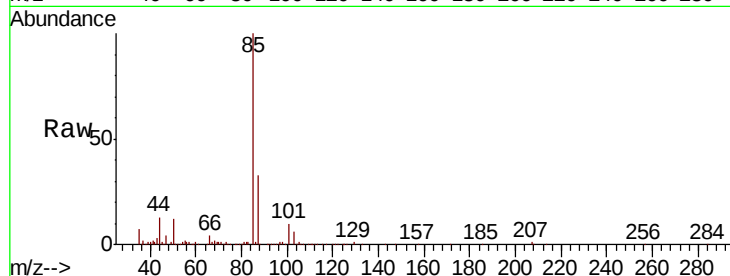
VSTD01067

Tot Ion: 85 Resp: 80845

Ion Ratio Lower Upper

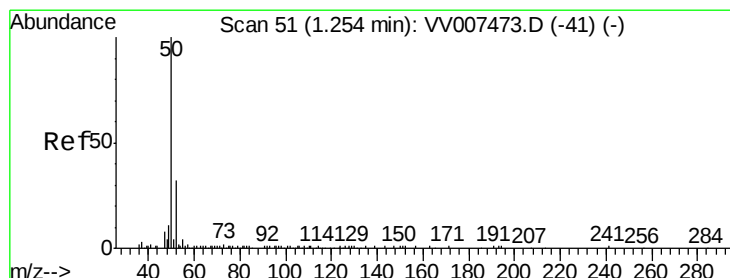
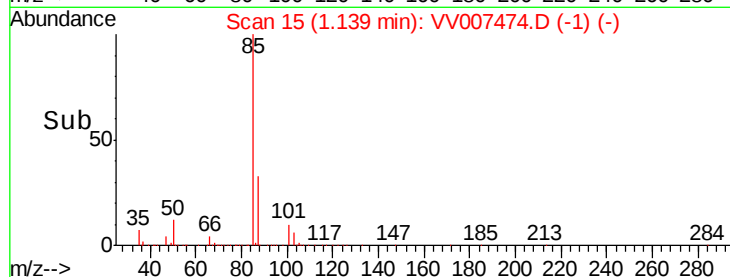
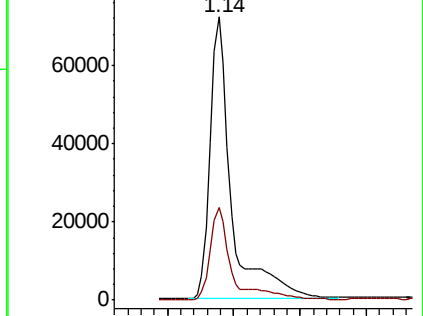
85 100

87 32.1 25.0 37.4



Abundance Ion 85.00 (84.70 to 85.70): VV007473.D (-4) (-)

Ion 87.00 (86.70 to 87.70): VV007473.D (-4) (-)



#3

Chloromethane

Concen: 9.748 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV007474.D

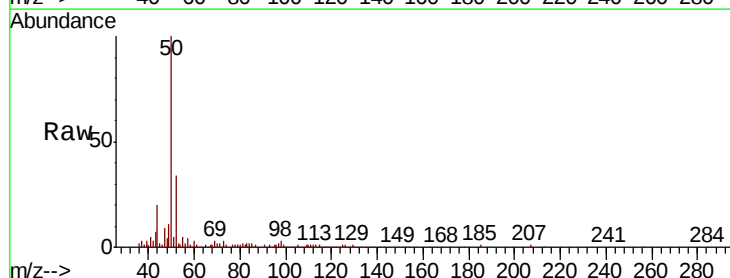
Acq: 12 Sep 2018 13:08

Tgt Ion: 50 Resp: 63618

Ion Ratio Lower Upper

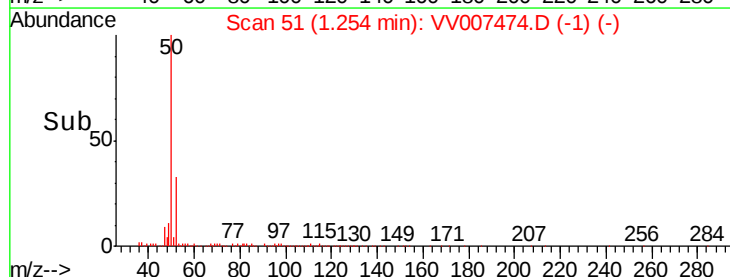
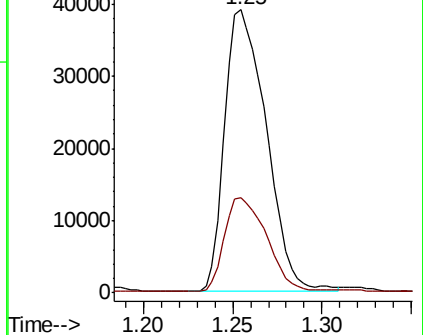
50 100

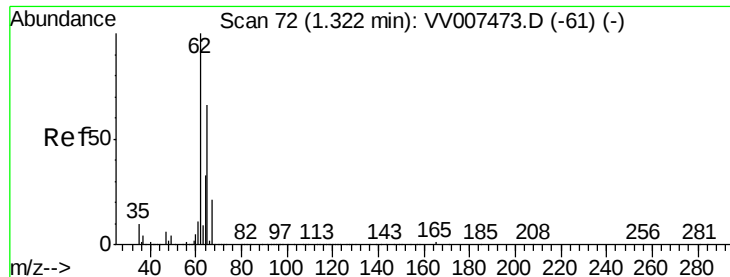
52 33.7 23.1 42.9



Abundance Ion 50.05 (49.75 to 50.75): VV007473.D (-41) (-)

Ion 52.05 (51.75 to 52.75): VV007473.D (-41) (-)





#5

Vinyl chloride

Concen: 9.957 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV007474.D

Acq: 12 Sep 2018 13:08

Instrument :

MSVOA_V

ClientSampleId :

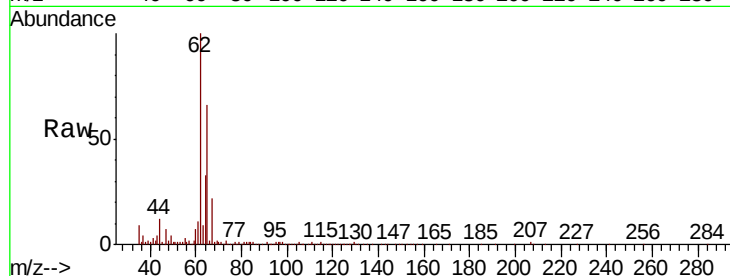
VSTD01067

Tot Ion: 62 Resp: 74746

Ion Ratio Lower Upper

62 100

64 32.9 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VV007473.D (-61) (-)

Ion 64.10 (63.80 to 64.80): VV007473.D (-61) (-)

1.32

80000

60000

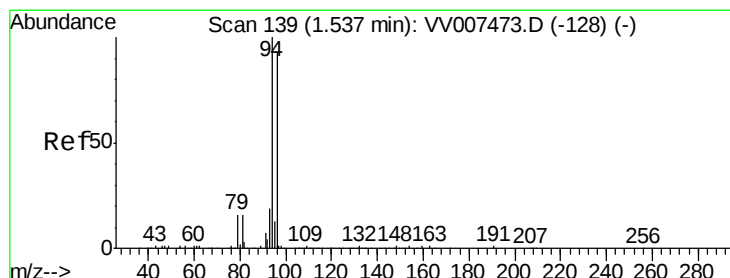
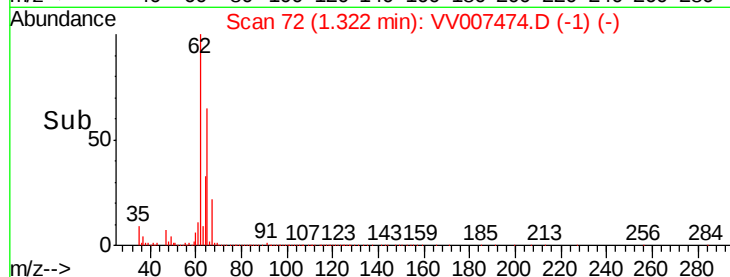
40000

20000

0

1.25 1.30 1.35 1.40 1.45

Time-->



#6

Bromomethane

Concen: 9.799 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV007474.D

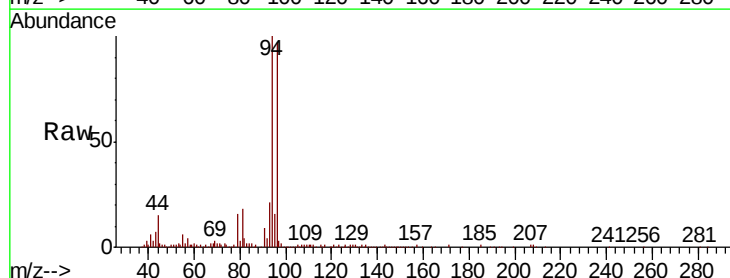
Acq: 12 Sep 2018 13:08

Tgt Ion: 94 Resp: 48774

Ion Ratio Lower Upper

94 100

96 96.9 66.3 123.1



Abundance Ion 94.00 (93.70 to 94.70): VV007473.D (-128) (-)

Ion 96.00 (95.70 to 96.70): VV007473.D (-128) (-)

1.53

40000

30000

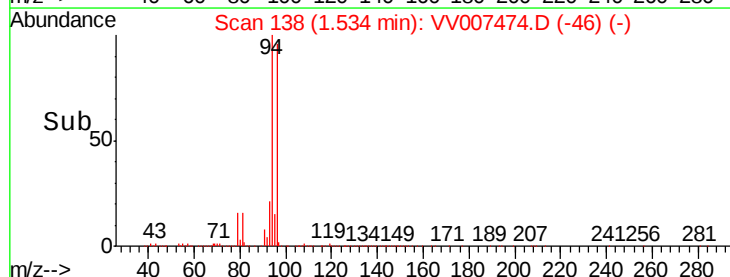
20000

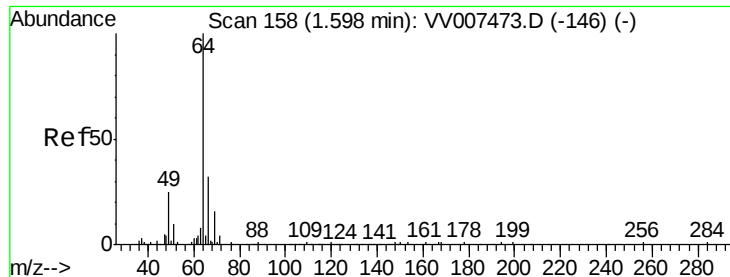
10000

0

1.50 1.55 1.60

Time-->

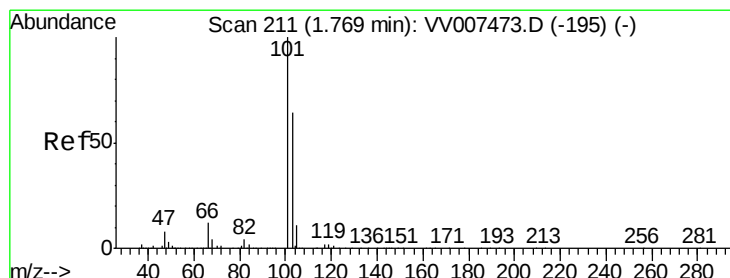
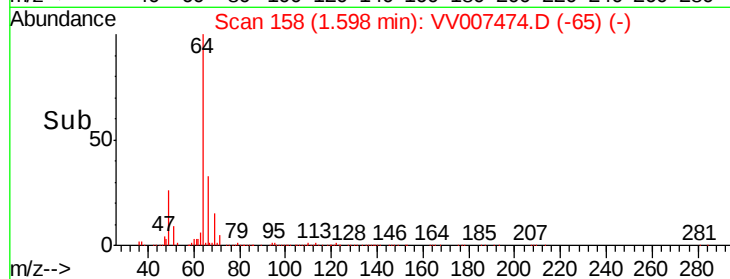
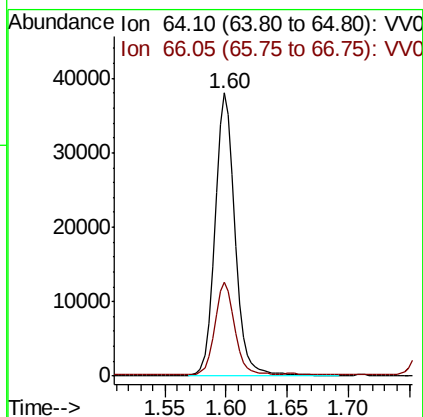
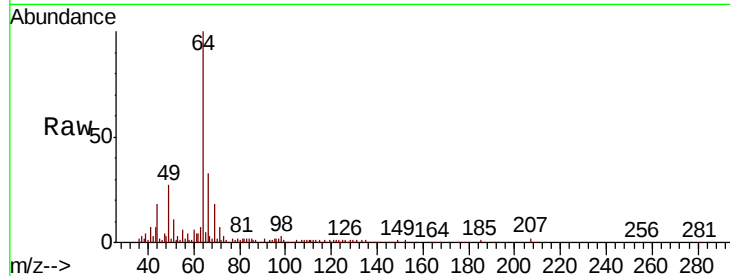




#8
Chloroethane
Concen: 9.924 ug/L
RT: 1.60 min Scan# 158
Delta R.T. -0.00 min
Lab File: VV007474.D
Acq: 12 Sep 2018 13:08

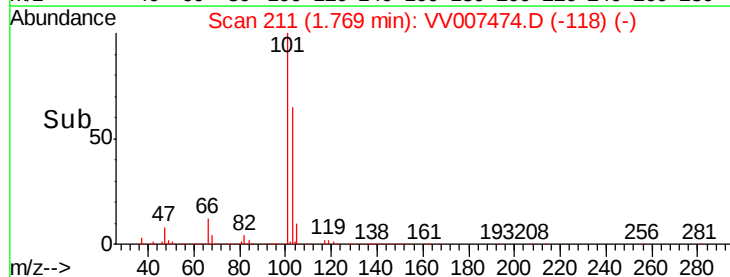
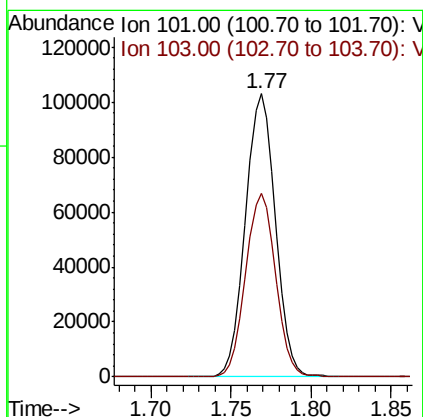
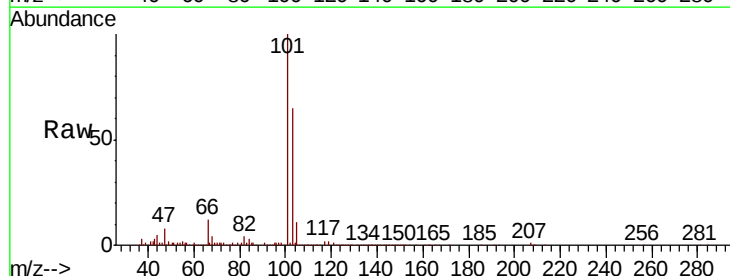
Instrument :
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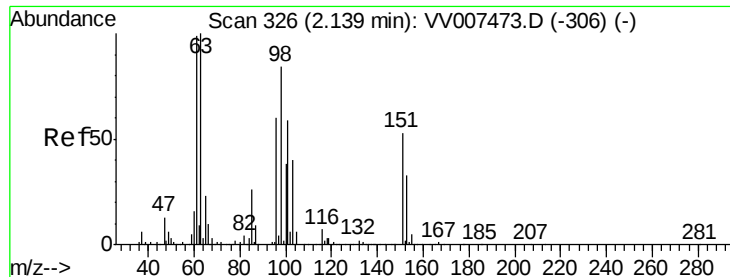
Tot Ion: 64 Resp: 44280
Ion Ratio Lower Upper
64 100
66 33.1 23.5 43.7



#9
Trichlorofluoromethane
Concen: 9.946 ug/L
RT: 1.77 min Scan# 211
Delta R.T. -0.00 min
Lab File: VV007474.D
Acq: 12 Sep 2018 13:08

Tgt Ion: 101 Resp: 130130
Ion Ratio Lower Upper
101 100
103 65.1 51.5 77.3





#10

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

Concen: 9.781 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV007474.D

Acq: 12 Sep 2018 13:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD01067

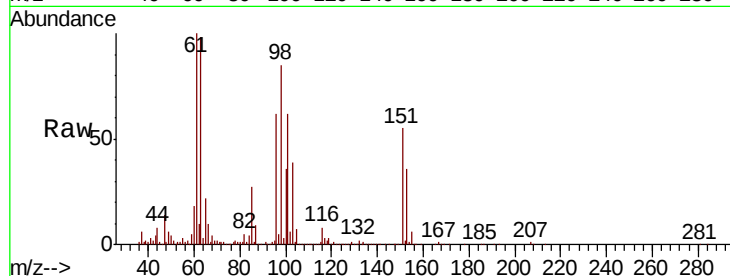
Tot Ion:101 Resp: 73134

Ion Ratio Lower Upper

101 100

85 42.1 34.5 51.7

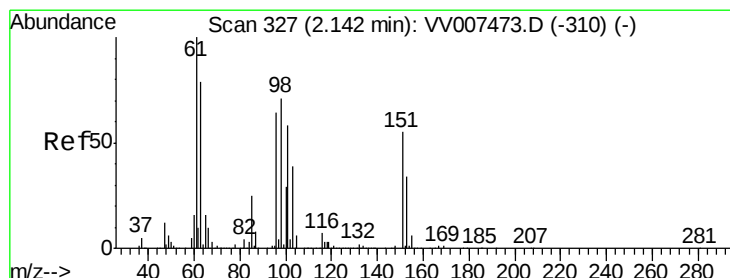
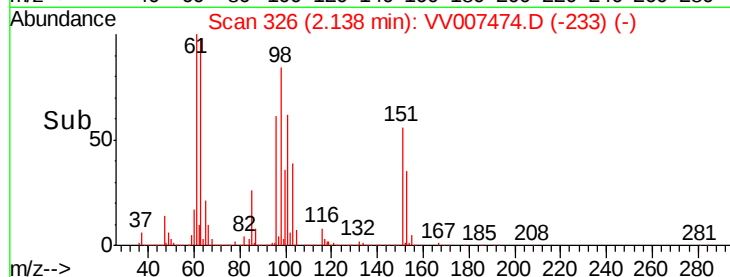
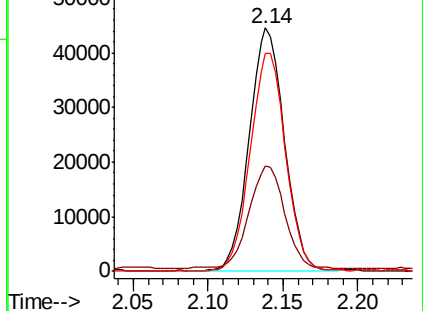
151 90.1 71.4 107.0



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: 9.738 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV007474.D

Acq: 12 Sep 2018 13:08

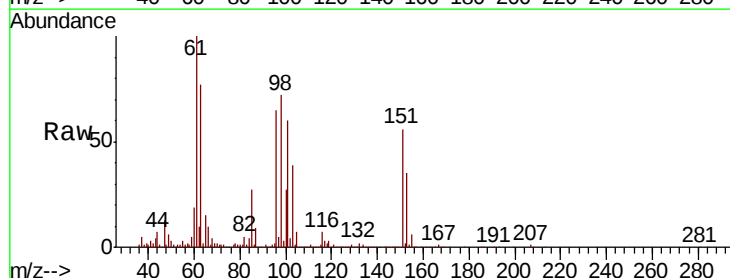
Tgt Ion: 96 Resp: 64219

Ion Ratio Lower Upper

96 100

61 153.6 108.0 200.6

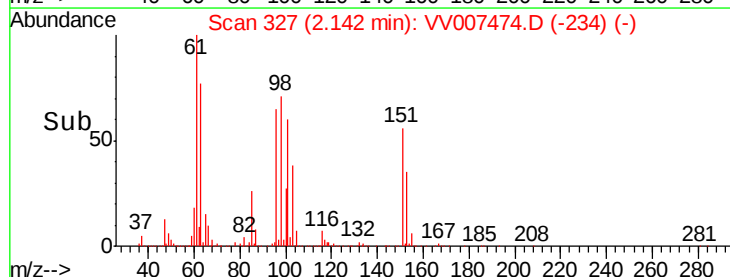
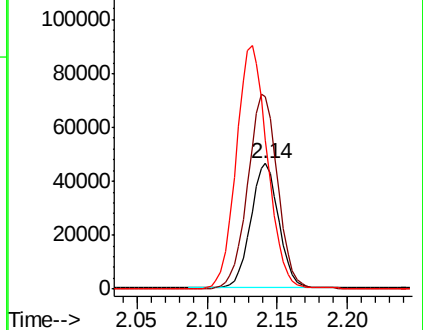
63 118.8 85.7 159.1

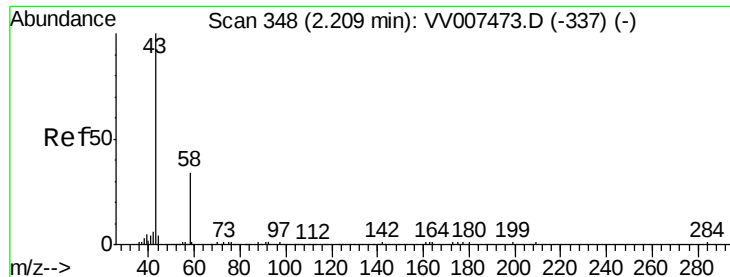


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 106.752 ug/L

RT: 2.21 min Scan# 347

Delta R.T. -0.00 min

Lab File: VV007474.D

Acq: 12 Sep 2018 13:08

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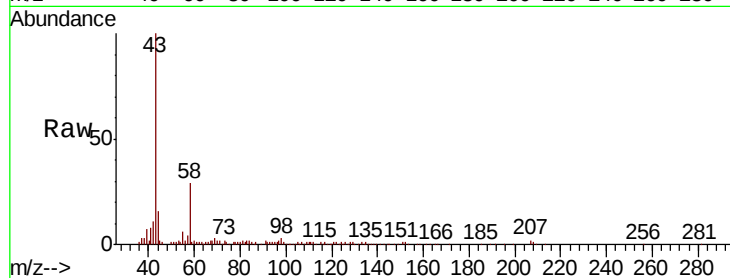
VSTD01067

Tot Ion: 43 Resp: 91786

Ion Ratio Lower Upper

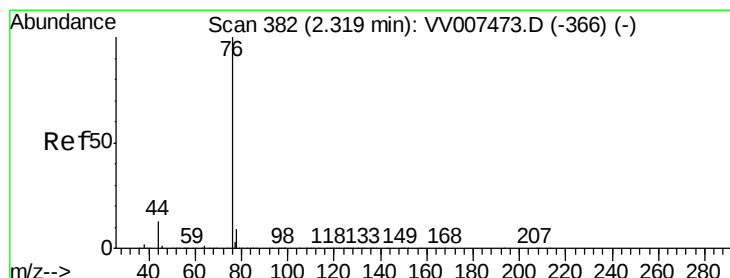
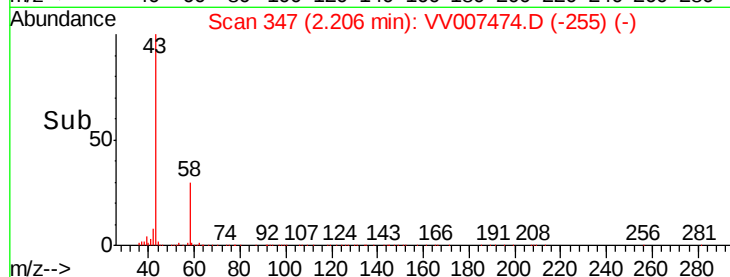
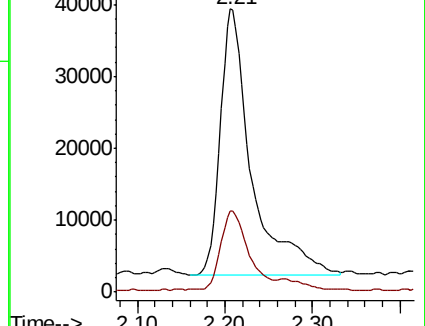
43 100

58 26.3 0.0 65.4



Abundance Ion 43.05 (42.75 to 43.75): VV007473.D (-337) (-)

Ion 58.05 (57.75 to 58.75): VV007473.D (-337) (-)



#14

Carbon disulfide

Concen: 9.973 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV007474.D

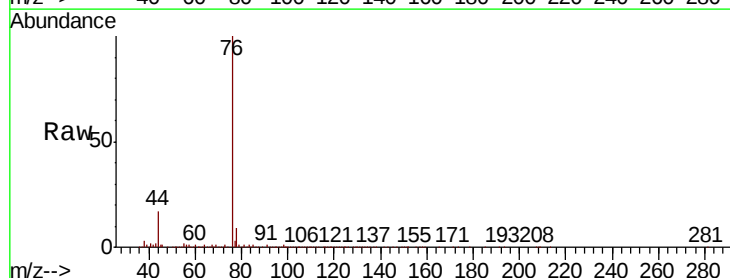
Acq: 12 Sep 2018 13:08

Tgt Ion: 76 Resp: 201306

Ion Ratio Lower Upper

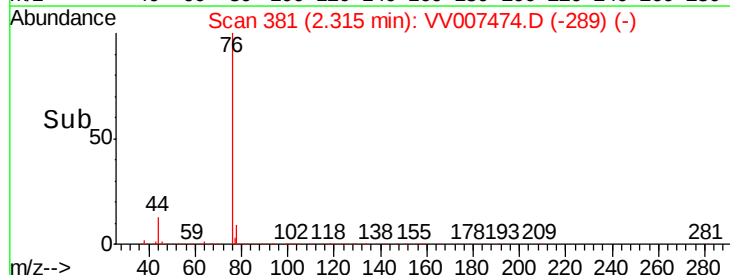
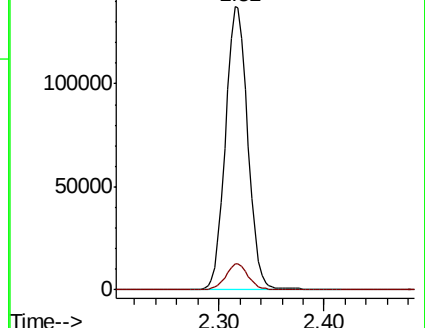
76 100

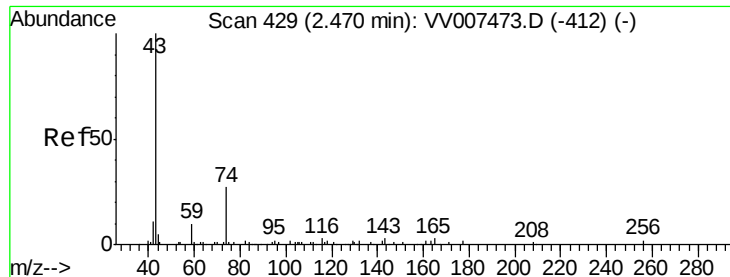
78 9.2 7.6 11.4



Abundance Ion 76.05 (75.75 to 76.75): VV007473.D (-366) (-)

Ion 78.00 (77.70 to 78.70): VV007473.D (-366) (-)

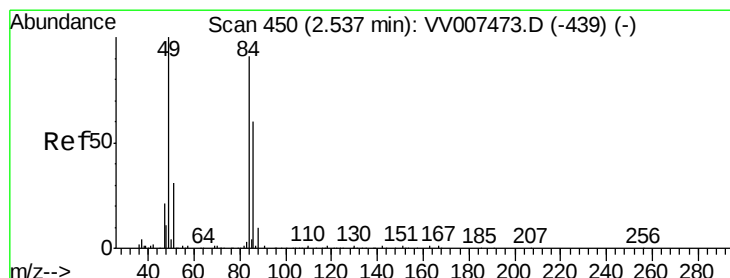
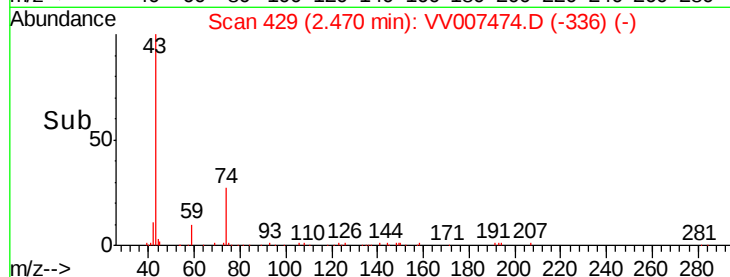
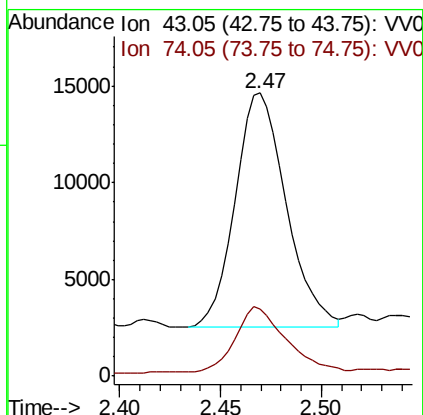
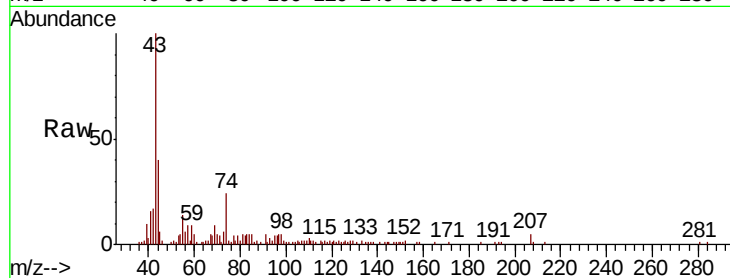




#15
Methvl Acetate
Concen: 9.048 ug/L
RT: 2.47 min Scan# 429
Delta R.T. -0.00 min
Lab File: VV007474.D
Acq: 12 Sep 2018 13:08

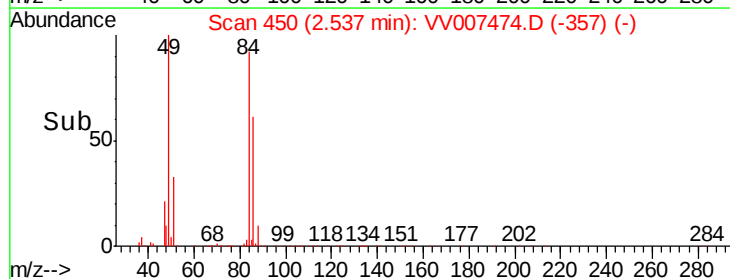
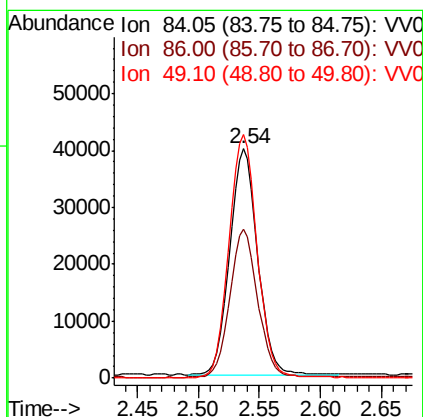
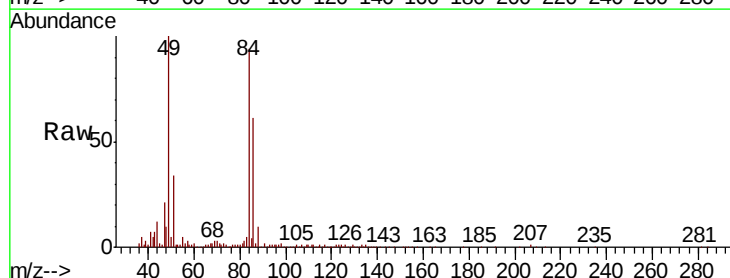
Instrument :
MSVOA_V
ClientSampleId :
VSTD01067

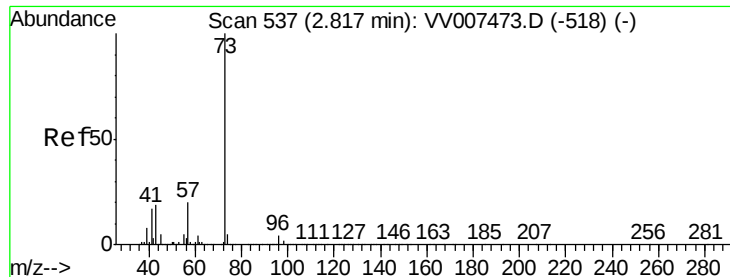
Tot Ion: 43 Resp: 21510
Ion Ratio Lower Upper
43 100
74 27.5 20.0 30.0



#16
Methylene chloride
Concen: 8.998 ug/L
RT: 2.54 min Scan# 450
Delta R.T. -0.00 min
Lab File: VV007474.D
Acq: 12 Sep 2018 13:08

Tgt Ion: 84 Resp: 63414
Ion Ratio Lower Upper
84 100
86 65.3 44.9 83.3
49 106.3 74.2 137.8

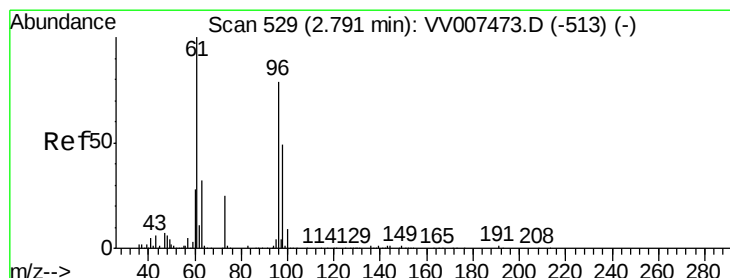
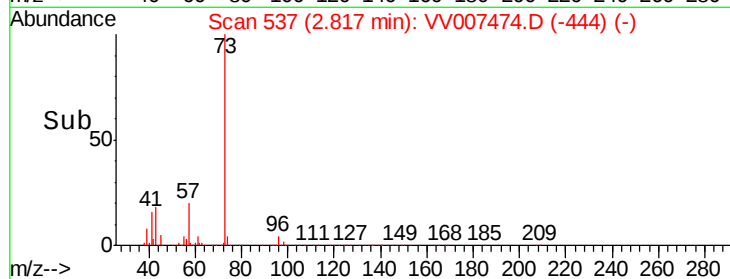
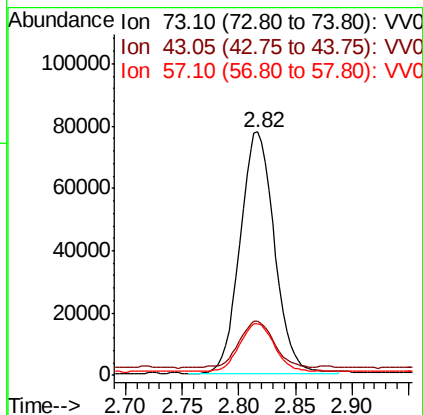
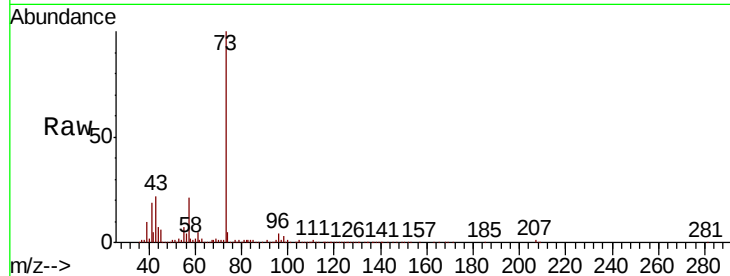




#17
Methvl tert-butvl Ether
Concen: 9.814 ug/L
RT: 2.82 min Scan# 537
Delta R.T. -0.00 min
Lab File: VV007474.D
Acq: 12 Sep 2018 13:08

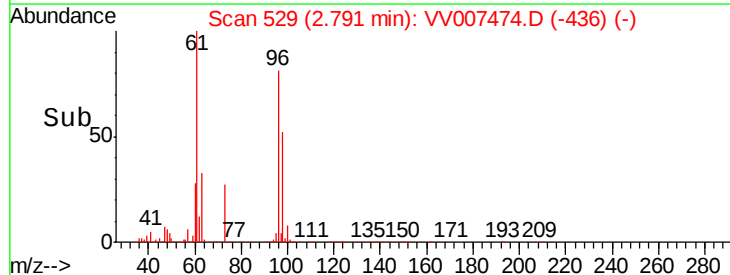
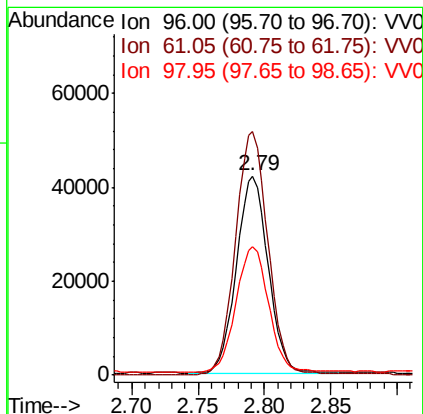
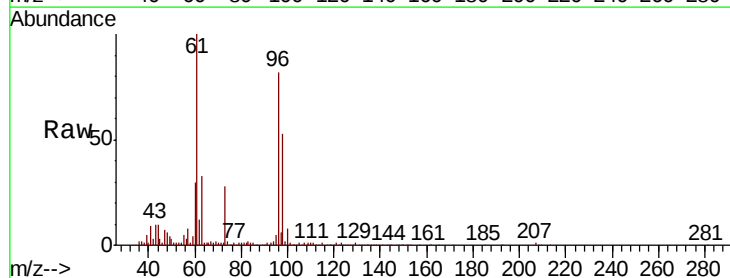
Instrument :
MSVOA_V
ClientSampleId :
VSTD01067

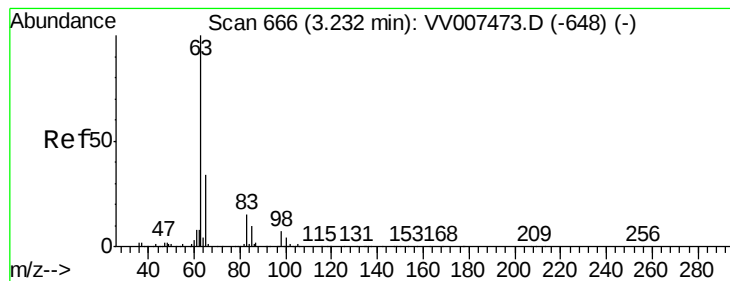
Tot Ion: 73 Resp: 163652
Ion Ratio Lower Upper
73 100
43 19.9 15.3 22.9
57 19.9 16.5 24.7



#18
trans-1,2-Dichloroethene
Concen: 9.884 ug/L
RT: 2.79 min Scan# 529
Delta R.T. -0.00 min
Lab File: VV007474.D
Acq: 12 Sep 2018 13:08

Tgt Ion: 96 Resp: 69700
Ion Ratio Lower Upper
96 100
61 122.2 87.6 162.6
98 64.8 45.7 84.9





#19

1,1-Dichloroethane

Concen: 9.611 ug/L

RT: 3.23 min Scan# 665

Delta R.T. -0.00 min

Lab File: VV007474.D

Acq: 12 Sep 2018 13:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD01067

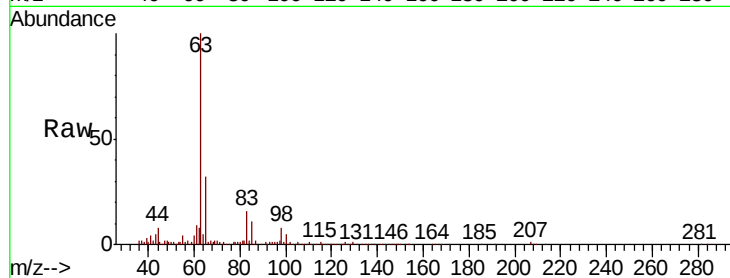
Tot Ion: 63 Resp: 110670

Ion Ratio Lower Upper

63 100

65 32.2 24.0 44.6

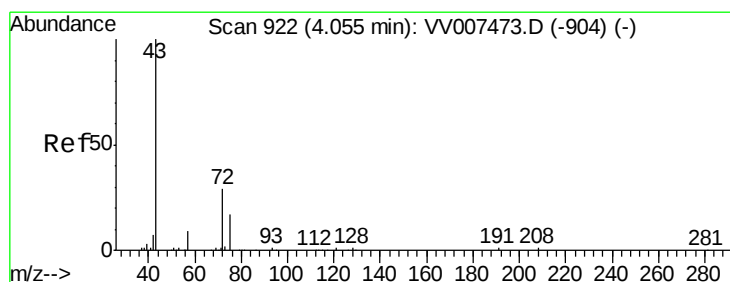
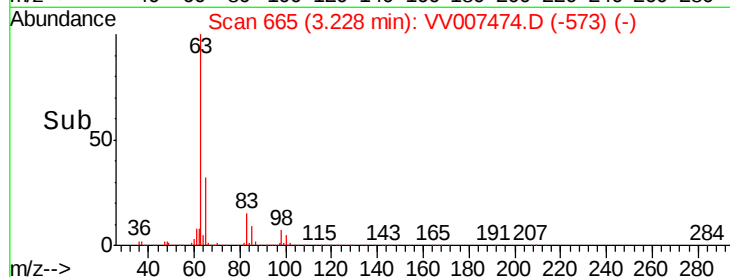
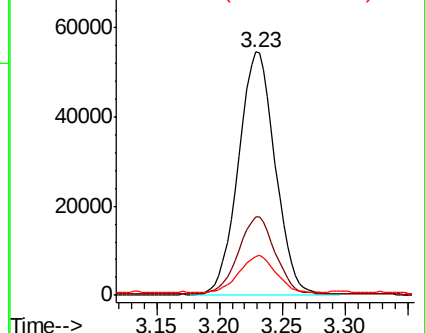
83 16.2 12.5 23.1



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0



#21

2-Butanone

Concen: 106.610 ug/L

RT: 4.05 min Scan# 921

Delta R.T. -0.00 min

Lab File: VV007474.D

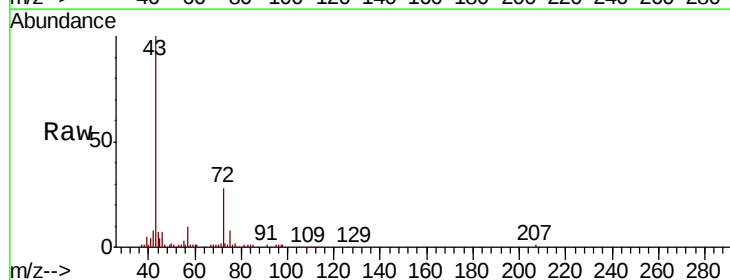
Acq: 12 Sep 2018 13:08

Tgt Ion: 43 Resp: 148982

Ion Ratio Lower Upper

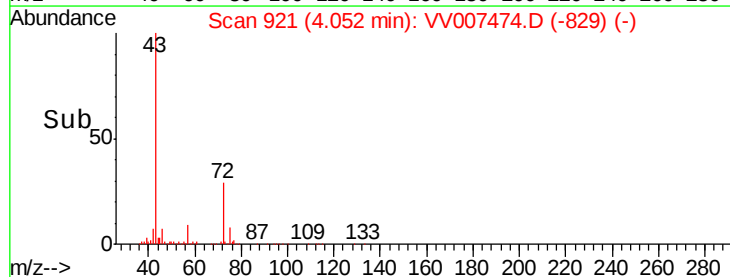
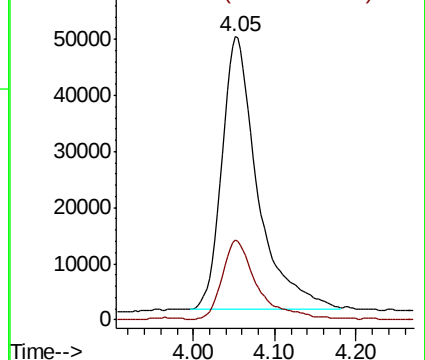
43 100

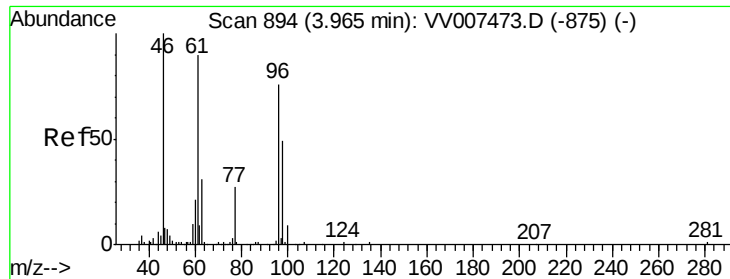
72 28.6 14.8 44.4



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 72.10 (71.80 to 72.80): VV0



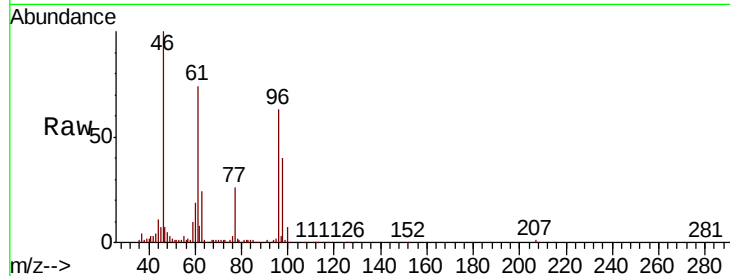


#22

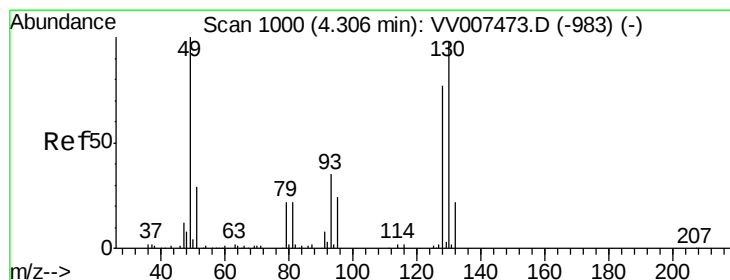
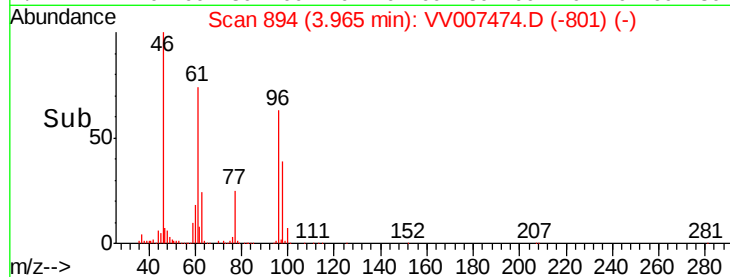
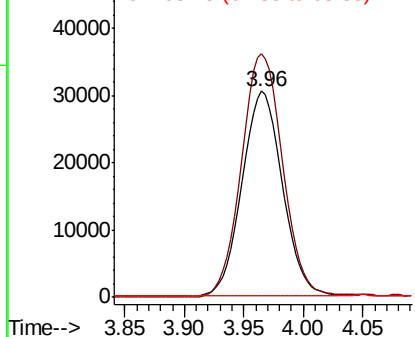
cis-1,2-Dichloroethene
 Concen: 10.279 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. -0.00 min
 Lab File: VV007474.D
 Acq: 12 Sep 2018 13:08

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01067

Tot Ion: 96 Resp: 71207
 Ion Ratio Lower Upper
 96 100
 61 118.0 82.6 153.4
 68 0.9 1.2 2.2#



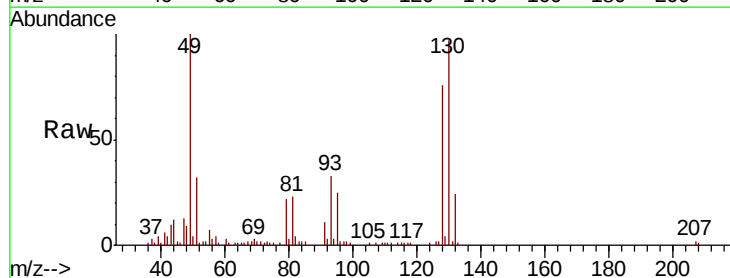
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



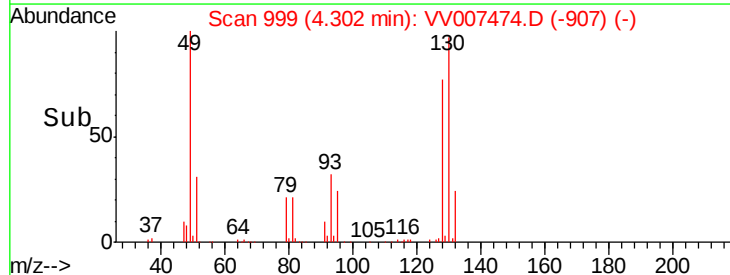
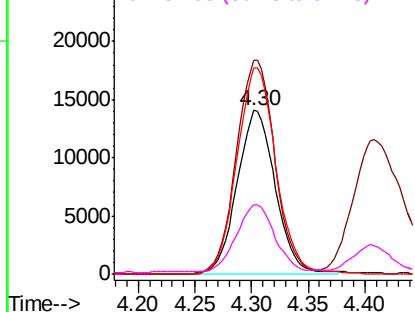
#23

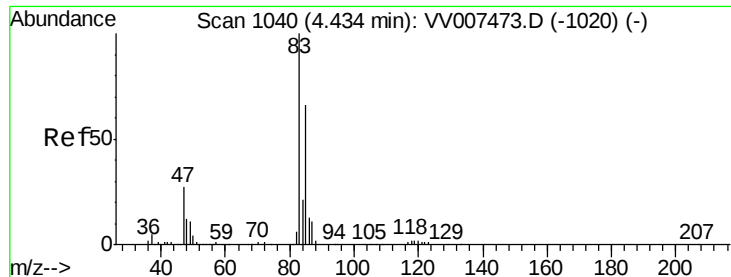
Bromochloromethane
 Concen: 9.987 ug/L
 RT: 4.30 min Scan# 999
 Delta R.T. -0.00 min
 Lab File: VV007474.D
 Acq: 12 Sep 2018 13:08

Tgt Ion: 128 Resp: 33110
 Ion Ratio Lower Upper
 128 100
 49 130.8 91.1 169.1
 130 126.4 89.5 166.1
 51 42.3 32.7 49.1



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: 10.374 ug/L

RT: 4.43 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VV007474.D

Acq: 12 Sep 2018 13:08

Instrument :

MSVOA_V

ClientSampleId :

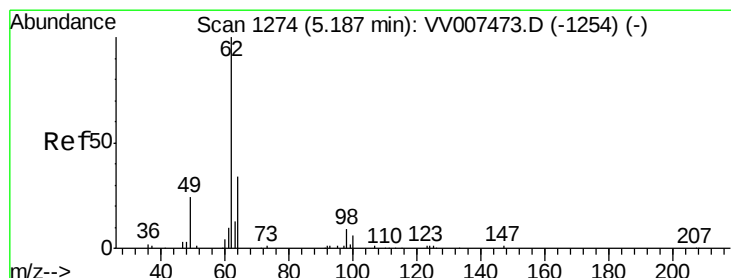
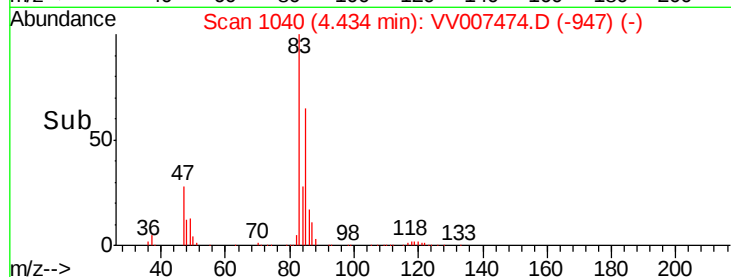
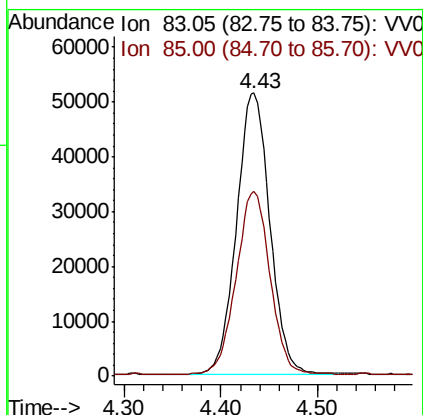
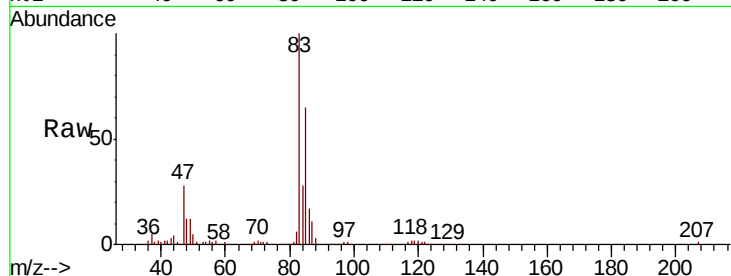
VSTD01067

Tot Ion: 83 Resp: 123199

Ion Ratio Lower Upper

83 100

85 65.2 46.6 86.6



#27

1,2-Dichloroethane

Concen: 10.497 ug/L

RT: 5.19 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VV007474.D

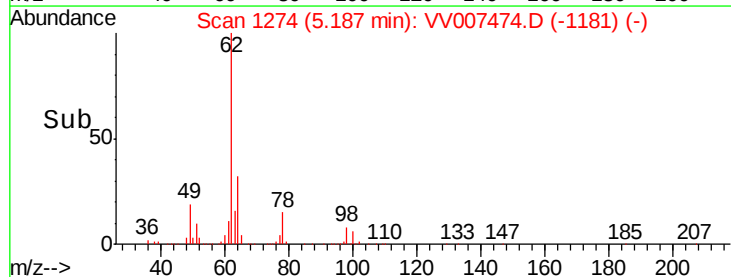
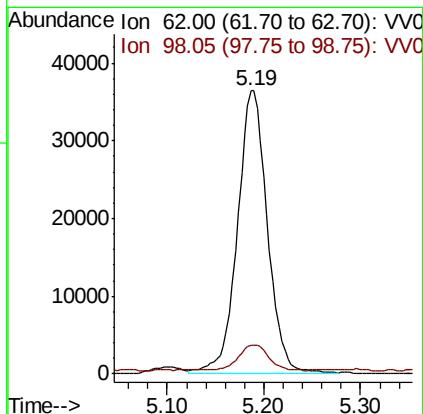
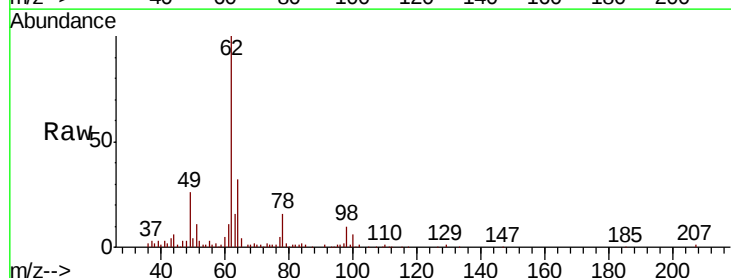
Acq: 12 Sep 2018 13:08

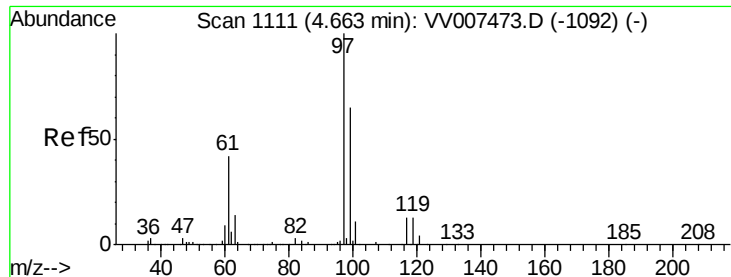
Tgt Ion: 62 Resp: 77985

Ion Ratio Lower Upper

62 100

98 10.0 9.5 14.3

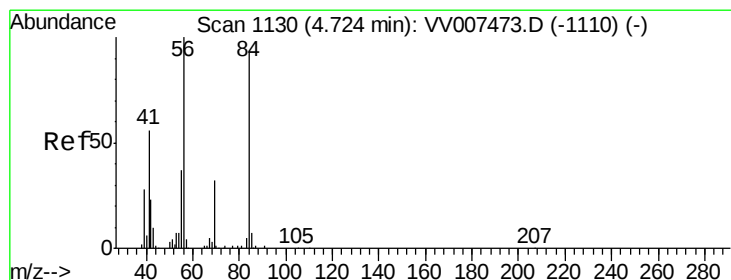
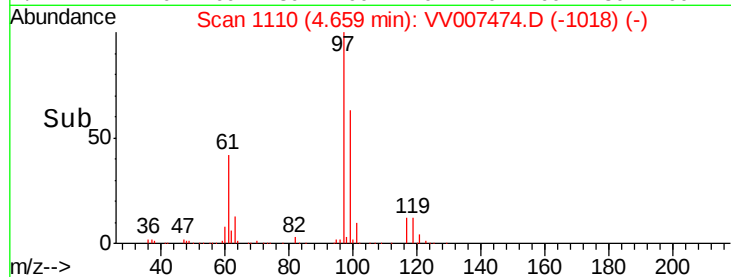
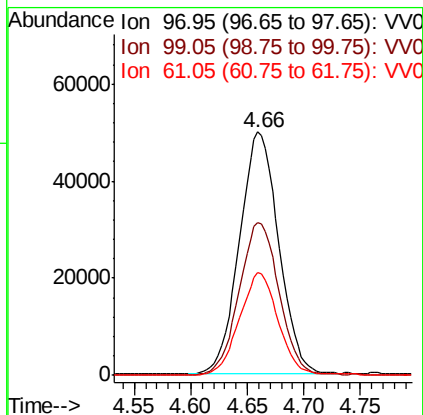
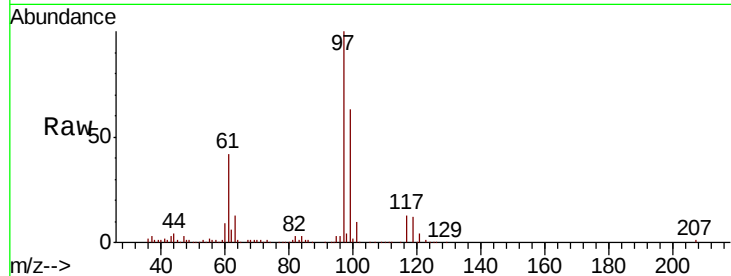




#29
 1,1,1-Trichloroethane
 Concen: 10.124 ug/L
 RT: 4.66 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VV007474.D
 Acq: 12 Sep 2018 13:08

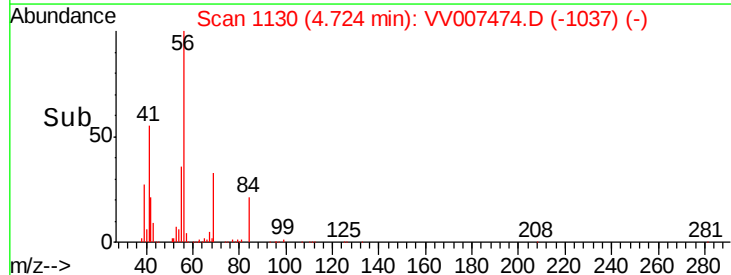
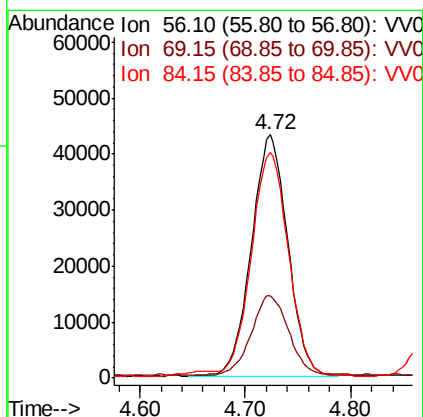
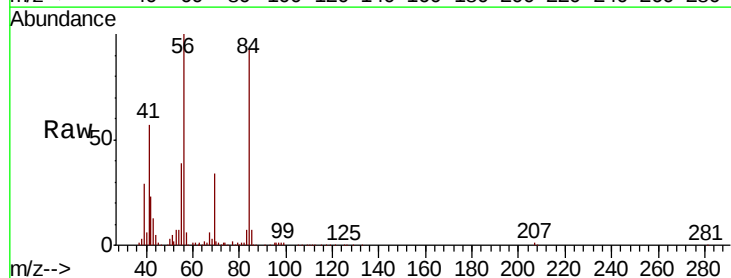
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01067

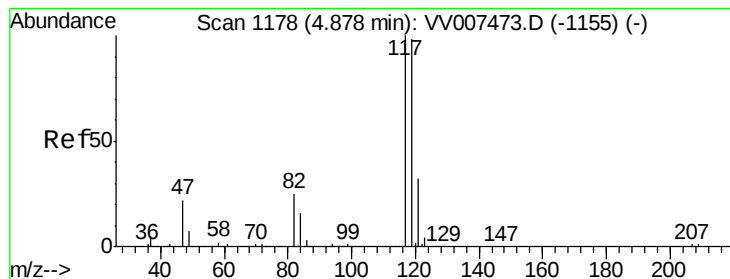
Tot Ion: 97 Resp: 120005
 Ion Ratio Lower Upper
 97 100
 99 64.7 51.2 76.8
 61 41.4 33.4 50.2



#30
 Cyclohexane
 Concen: 9.839 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. -0.00 min
 Lab File: VV007474.D
 Acq: 12 Sep 2018 13:08

Tgt Ion: 56 Resp: 103360
 Ion Ratio Lower Upper
 56 100
 69 33.6 26.6 39.8
 84 95.0 73.8 110.8





#31

Carbon tetrachloride

Concen: 10.324 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VV007474.D

Acq: 12 Sep 2018 13:08

Instrument :

MSVOA_V

ClientSampleId :

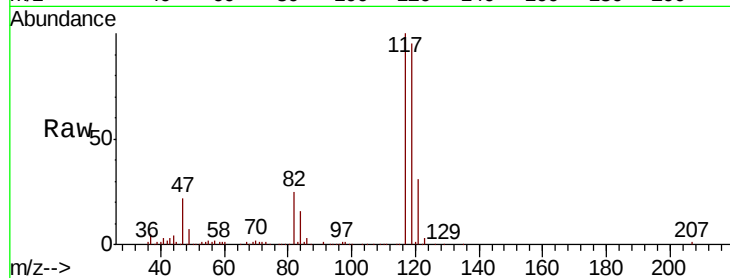
VSTD01067

Tot Ion:117 Resp: 112922

Ion Ratio Lower Upper

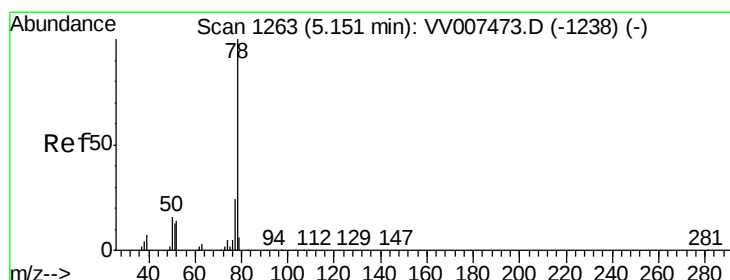
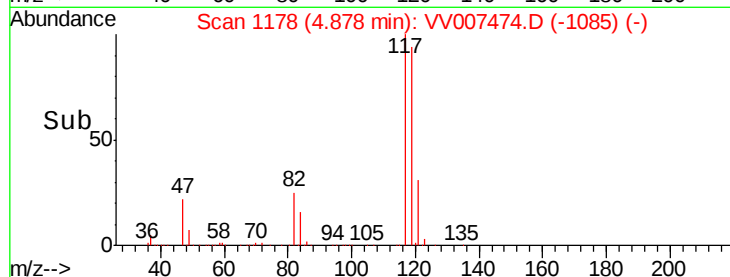
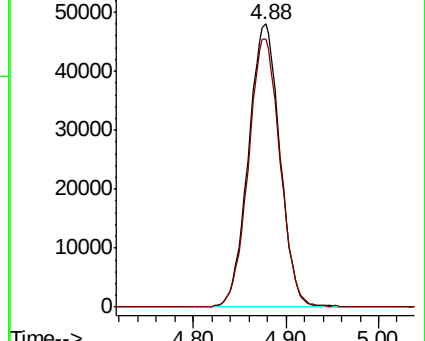
117 100

119 95.3 77.4 116.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 10.149 ug/L

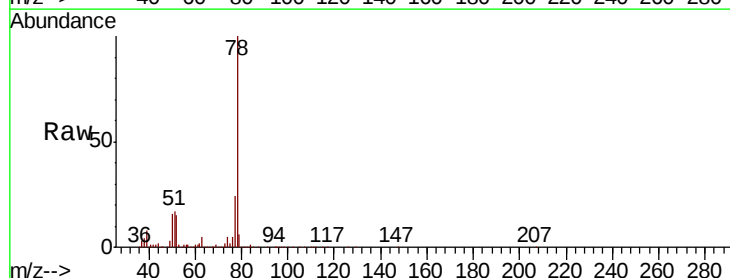
RT: 5.15 min Scan# 1263

Delta R.T. -0.00 min

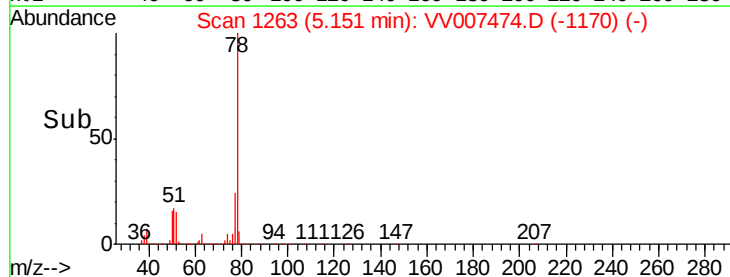
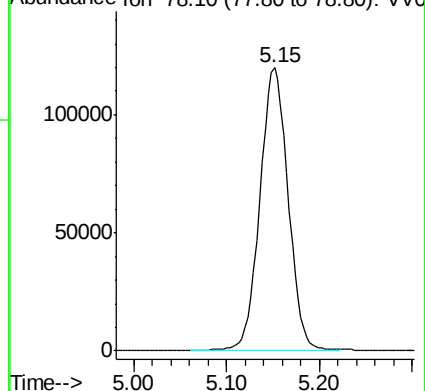
Lab File: VV007474.D

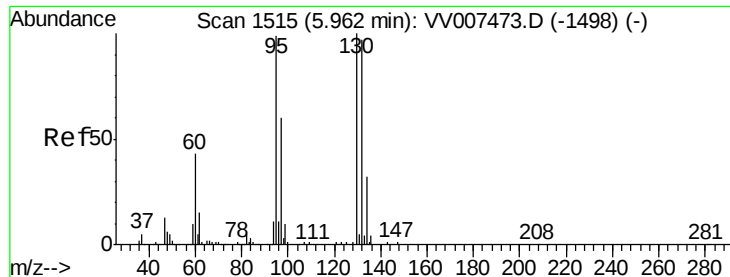
Acq: 12 Sep 2018 13:08

Tgt Ion: 78 Resp: 254570



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 10.150 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. -0.00 min

Lab File: VV007474.D

Acq: 12 Sep 2018 13:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD01067

Tot Ion: 95 Resp: 76774

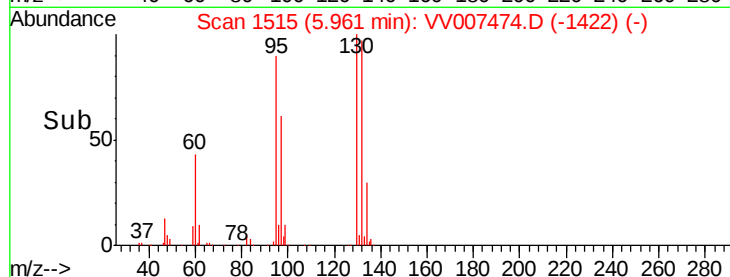
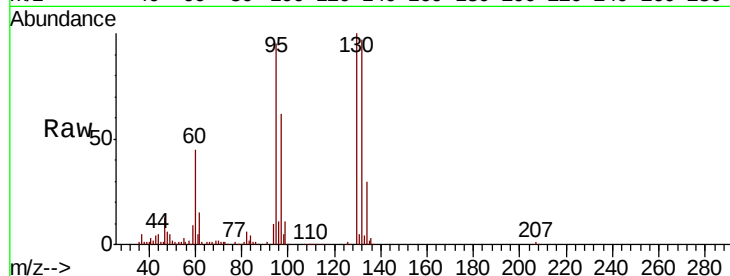
Ion Ratio Lower Upper

95 100

97 65.2 42.8 79.4

132 102.3 67.6 125.6

130 105.4 69.6 129.2

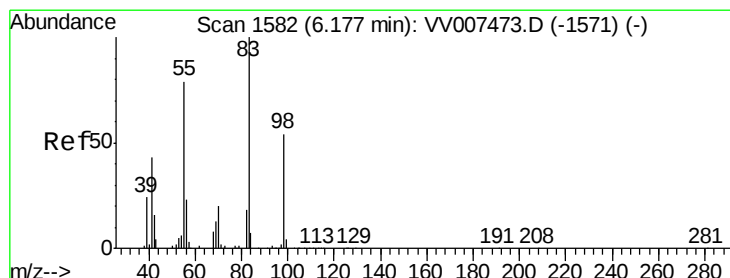
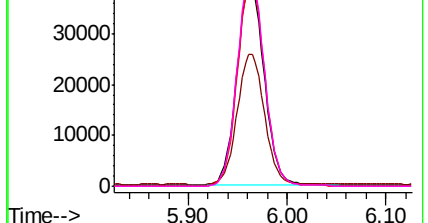


Abundance Ion 95.00 (94.70 to 95.70): VV007474.D (-1422) (-)

Ion 96.95 (96.65 to 97.65): VV007474.D (-1422) (-)

Ion 131.95 (131.65 to 132.65): VV007474.D (-1422) (-)

Ion 129.95 (129.65 to 130.65): VV007474.D (-1422) (-)



#35

Methylcyclohexane

Concen: 10.240 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. -0.00 min

Lab File: VV007474.D

Acq: 12 Sep 2018 13:08

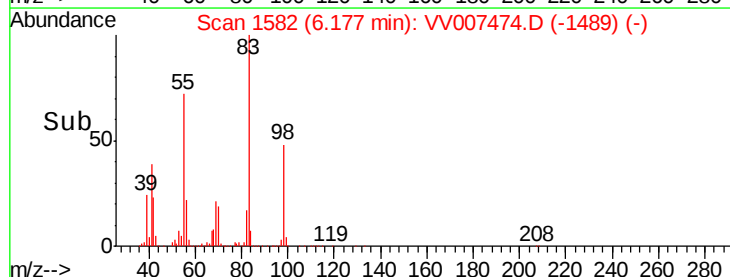
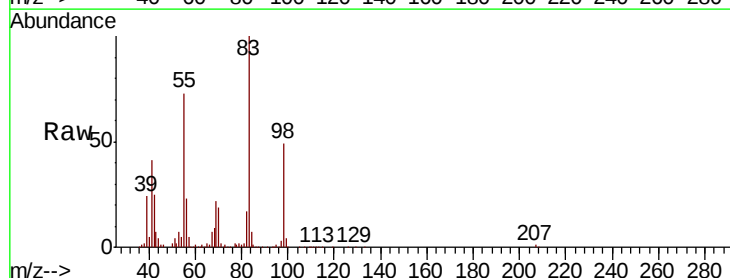
Tgt Ion: 83 Resp: 120163

Ion Ratio Lower Upper

83 100

55 72.4 57.4 86.0

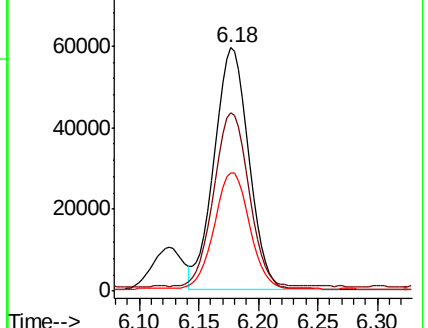
98 49.8 38.8 58.2

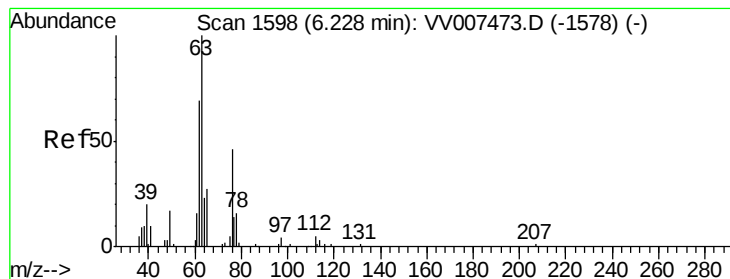


Abundance Ion 83.15 (82.85 to 83.85): VV007474.D (-1489) (-)

Ion 55.10 (54.80 to 55.80): VV007474.D (-1489) (-)

Ion 98.15 (97.85 to 98.85): VV007474.D (-1489) (-)





#37

1,2-Dichloropropane

Concen: 9.897 ug/L

RT: 6.23 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VV007474.D

Acq: 12 Sep 2018 13:08

Instrument :

MSVOA_V

ClientSampleId :

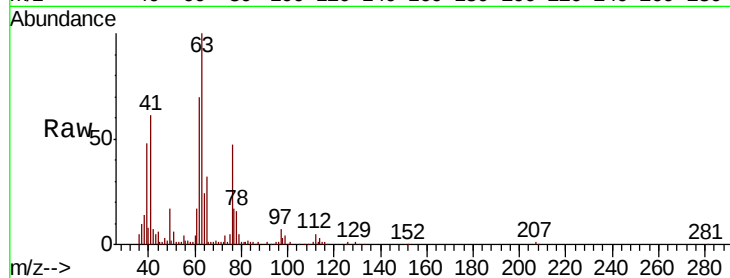
VSTD01067

Tot Ion: 63 Resp: 62870

Ion Ratio Lower Upper

63 100

112 4.7 3.7 5.5



Abundance Ion 63.10 (62.80 to 63.80): VV007474.D (-1578) (-)

Ion 112.10 (111.80 to 112.80): VV007474.D (-1578) (-)

6.23

30000

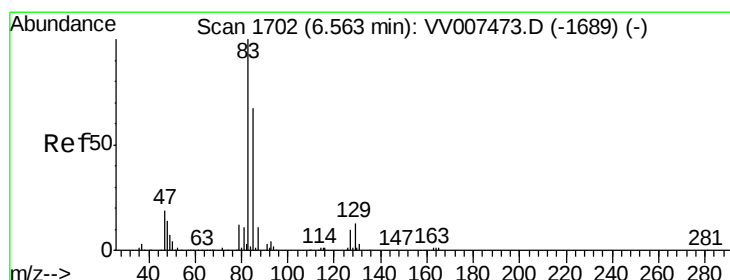
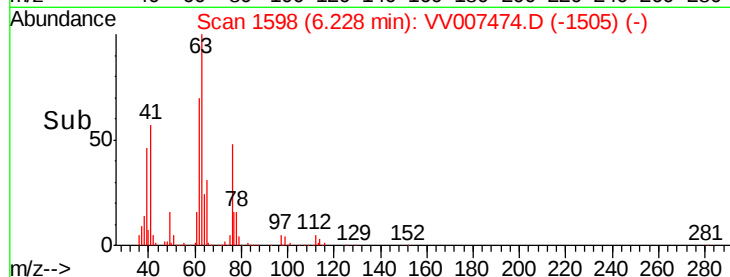
20000

10000

0

6.10 6.20 6.30

Time-->



#38

Bromodichloromethane

Concen: 10.280 ug/L

RT: 6.56 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VV007474.D

Acq: 12 Sep 2018 13:08

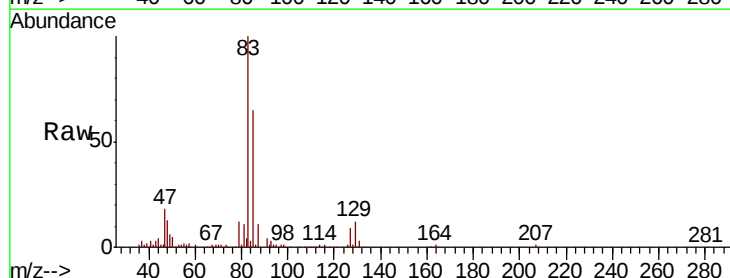
Tgt Ion: 83 Resp: 92408

Ion Ratio Lower Upper

83 100

85 65.1 47.0 87.2

127 9.3 7.8 11.6



Abundance Ion 82.95 (82.65 to 83.65): VV007474.D (-1689) (-)

Ion 85.00 (84.70 to 85.70): VV007474.D (-1689) (-)

Ion 126.90 (126.60 to 127.60): VV007474.D (-1689) (-)

6.56

60000

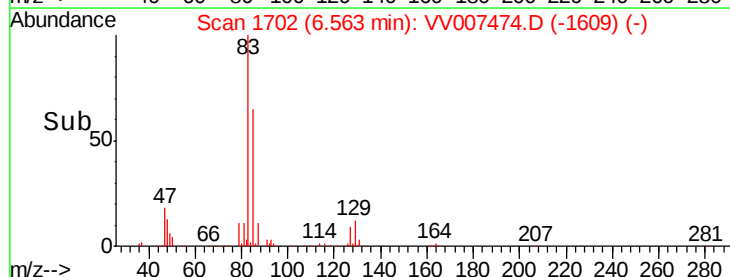
40000

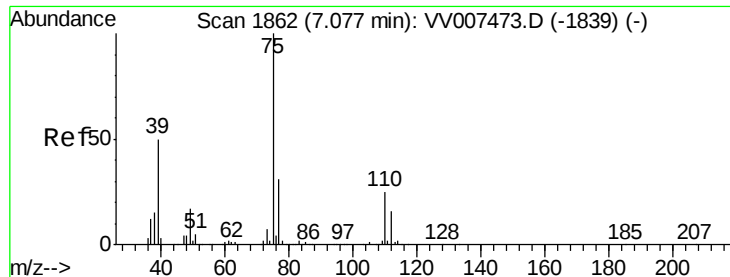
20000

0

6.45 6.50 6.55 6.60 6.65

Time-->

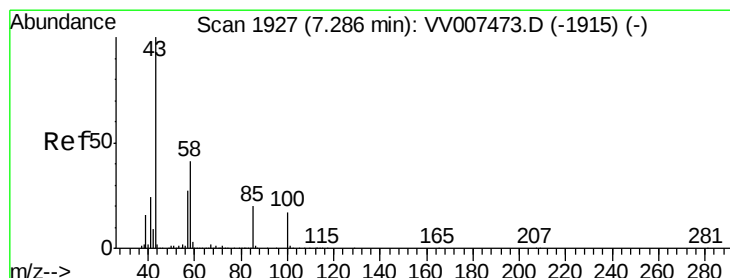
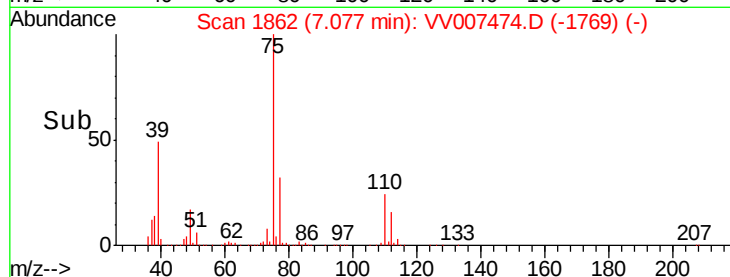
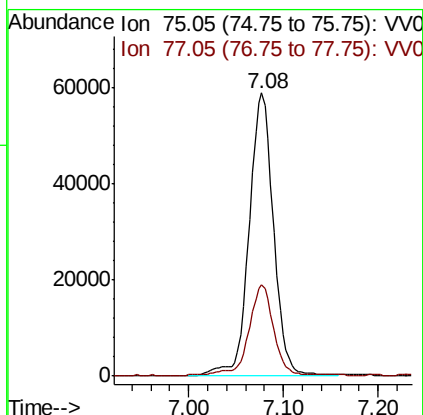
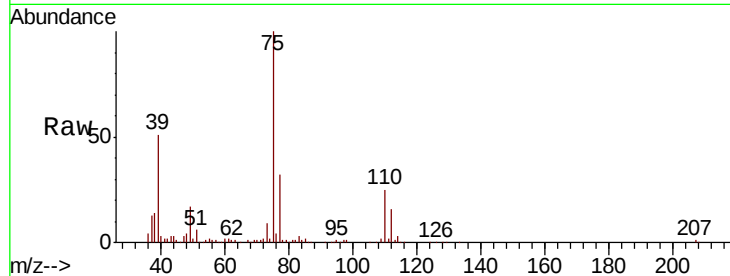




#39
 cis-1,3-Dichloropropene
 Concen: 10.379 ug/L
 RT: 7.08 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VV007474.D
 Acq: 12 Sep 2018 13:08

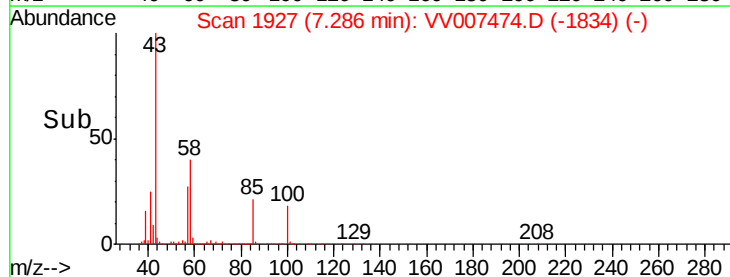
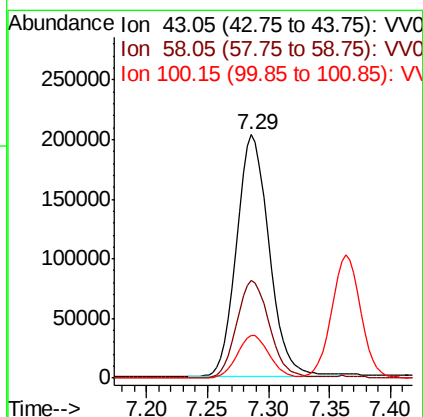
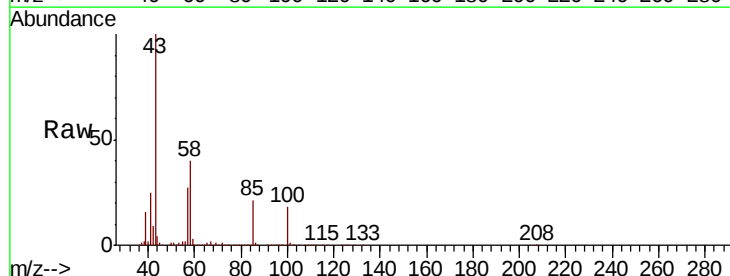
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01067

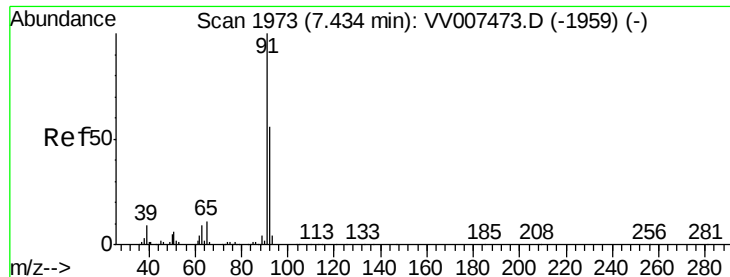
Tot Ion: 75 Resp: 106108
 Ion Ratio Lower Upper
 75 100
 77 32.2 22.7 42.1



#40
 4-Methyl-2-pentanone
 Concen: 103.426 ug/L
 RT: 7.29 min Scan# 1927
 Delta R.T. -0.00 min
 Lab File: VV007474.D
 Acq: 12 Sep 2018 13:08

Tgt Ion: 43 Resp: 374175
 Ion Ratio Lower Upper
 43 100
 58 40.7 32.2 48.2
 100 17.7 13.6 20.4





#42

Toluene

Concen: 10.236 ug/L

RT: 7.44 min Scan# 1974

Delta R.T. 0.00 min

Lab File: VV007474.D

Acq: 12 Sep 2018 13:08

Instrument :

MSVOA_V

ClientSampleId :

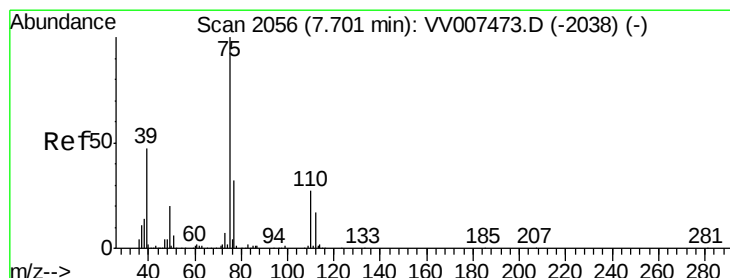
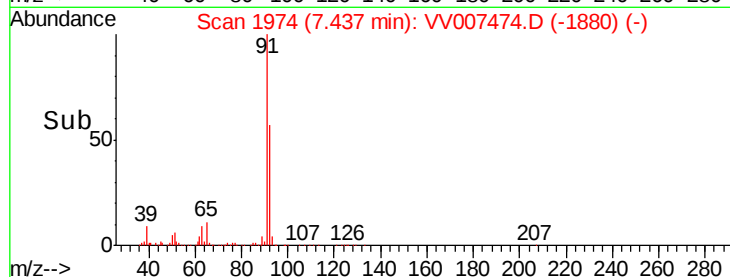
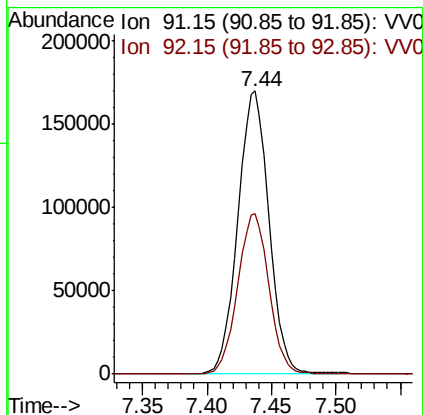
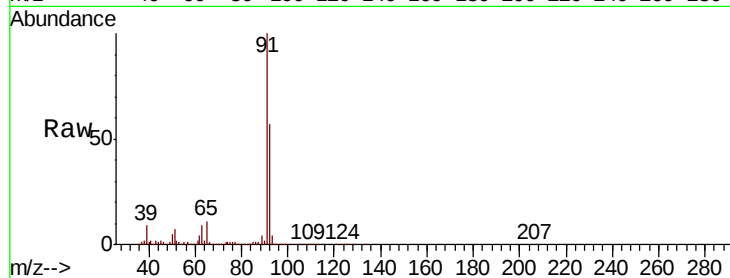
VSTD01067

Tot Ion: 91 Resp: 284326

Ion Ratio Lower Upper

91 100

92 56.7 38.9 72.2



#44

trans-1,3-Dichloropropene

Concen: 10.270 ug/L

RT: 7.70 min Scan# 2056

Delta R.T. -0.00 min

Lab File: VV007474.D

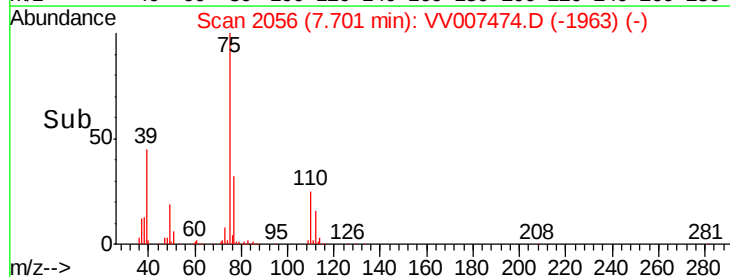
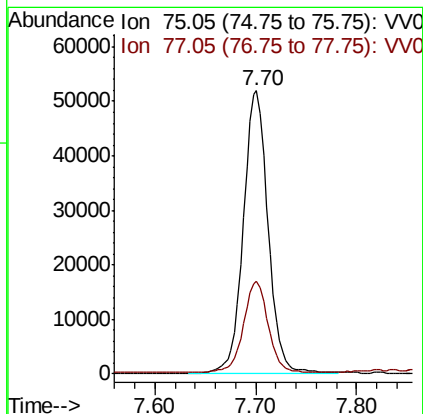
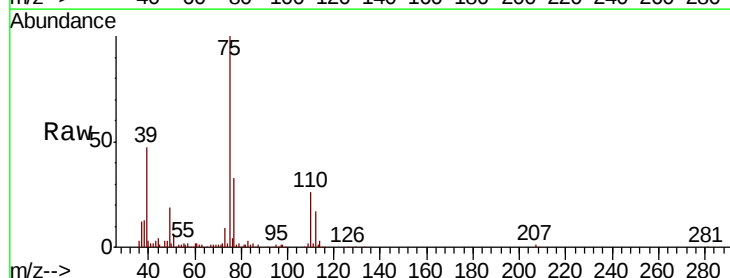
Acq: 12 Sep 2018 13:08

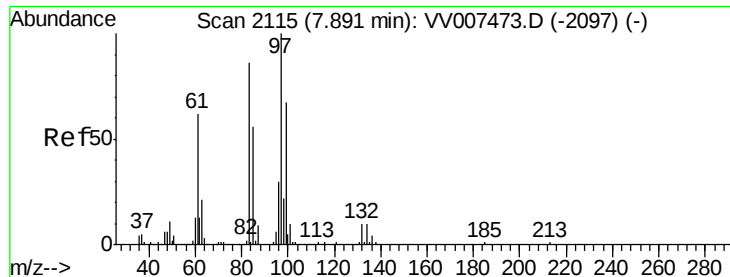
Tgt Ion: 75 Resp: 88136

Ion Ratio Lower Upper

75 100

77 32.6 23.0 42.8

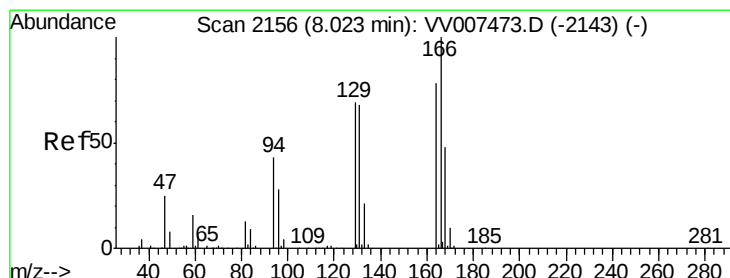
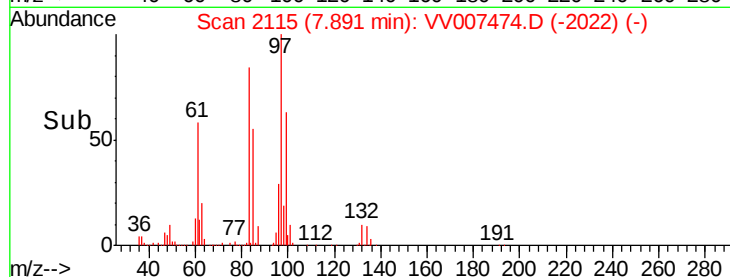
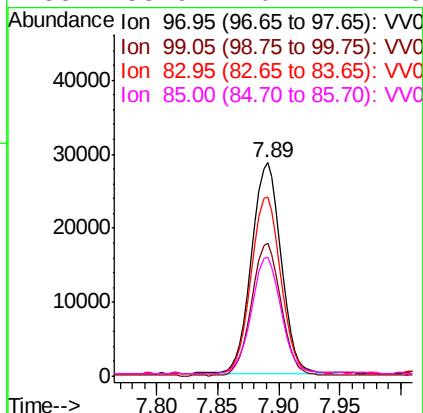
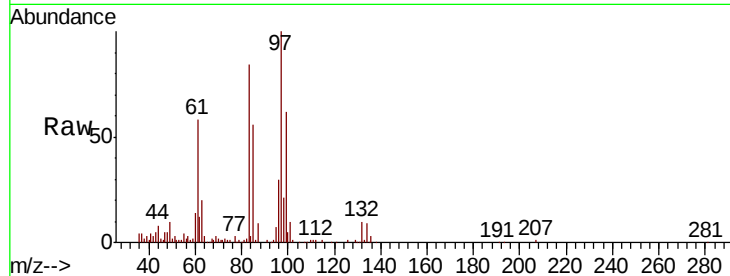




#45
 1,1,2-Trichloroethane
 Concen: 9.851 ug/L
 RT: 7.89 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VV007474.D
 Acq: 12 Sep 2018 13:08

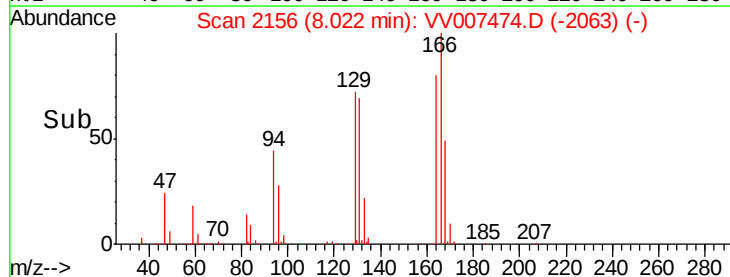
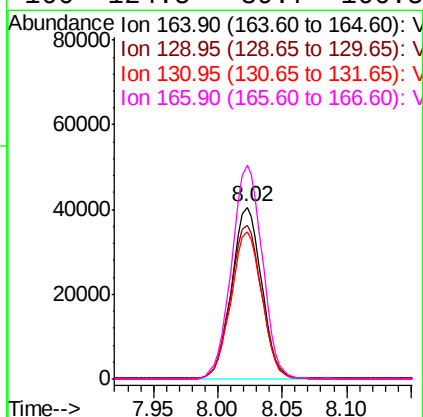
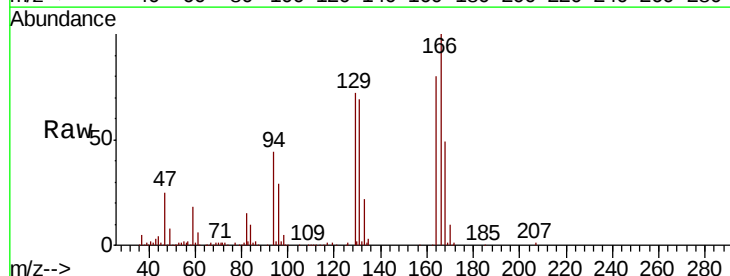
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01067

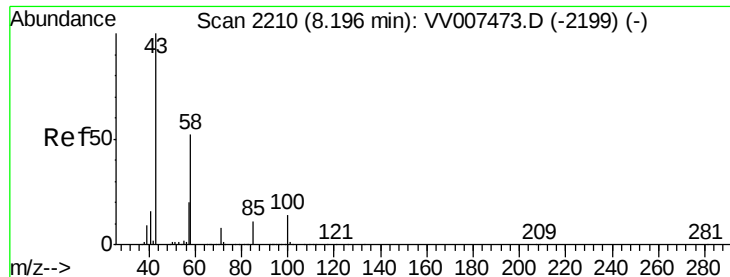
Tot Ion:	97	Resp:	47376
Ion	Ratio	Lower	Upper
97	100		
99	62.2	46.2	85.8
83	84.1	60.5	112.3
85	55.9	40.2	74.6



#47
 Tetrachloroethene
 Concen: 10.209 ug/L
 RT: 8.02 min Scan# 2156
 Delta R.T. -0.00 min
 Lab File: VV007474.D
 Acq: 12 Sep 2018 13:08

Tgt Ion:	164	Resp:	66058
Ion	Ratio	Lower	Upper
164	100		
129	89.7	62.7	116.5
131	85.7	60.5	112.5
166	124.5	89.7	166.5

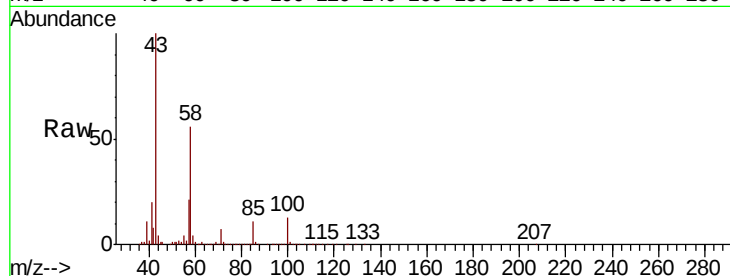




#48
2-Hexanone
Concen: 104.485 ug/L
RT: 8.20 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VV007474.D
Acq: 12 Sep 2018 13:08

Instrument :
MSVOA_V
ClientSampleId :
VSTD01067

Tot Ion:	43	Resp:	275156
Ion	Ratio	Lower	Upper
43	100		
58	56.0	47.9	71.9
57	19.8	16.2	24.2
100	13.5	11.0	16.4

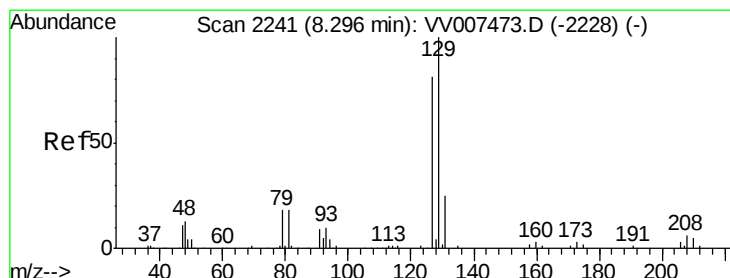
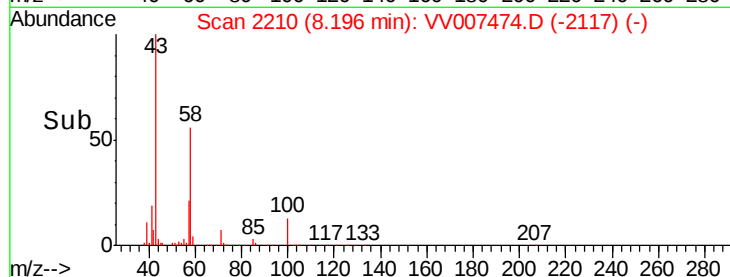
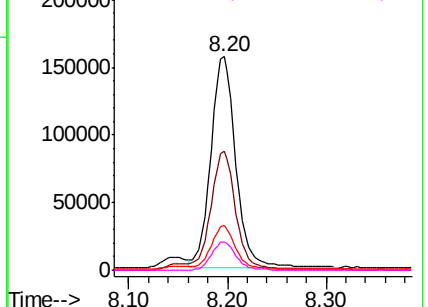


Abundance Ion 43.05 (42.75 to 43.75): VV007474.D (-2199) (-)

Ion 58.05 (57.75 to 58.75): VV007474.D (-2199) (-)

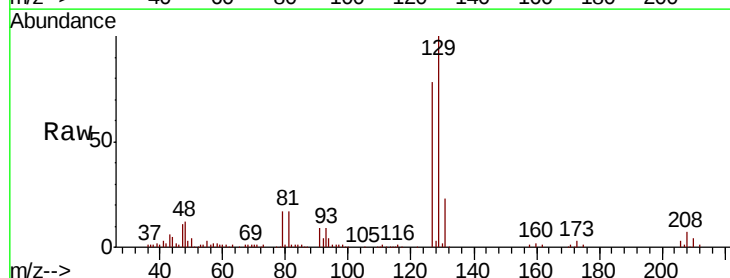
Ion 57.20 (56.90 to 57.90): VV007474.D (-2199) (-)

Ion 100.15 (99.85 to 100.85): VV007474.D (-2199) (-)



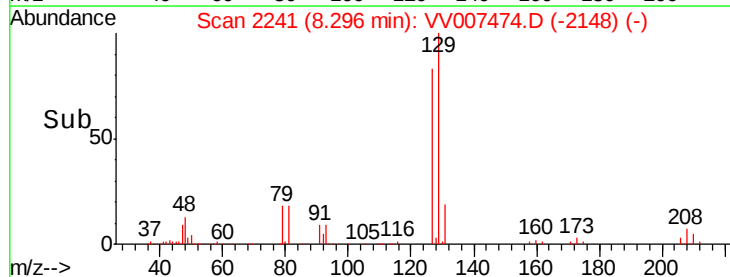
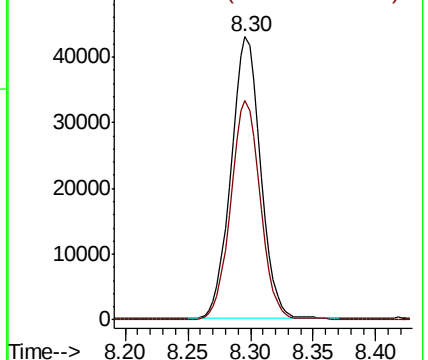
#49
Dibromochloromethane
Concen: 10.502 ug/L
RT: 8.30 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VV007474.D
Acq: 12 Sep 2018 13:08

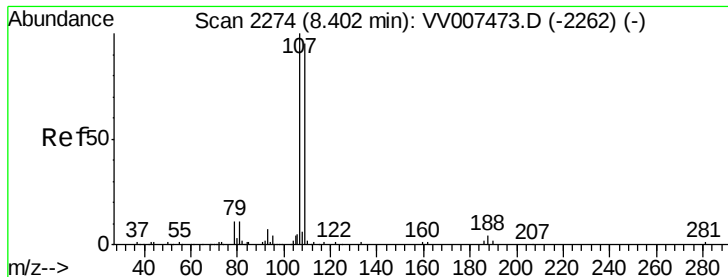
Tgt Ion:	129	Resp:	69886
Ion	Ratio	Lower	Upper
129	100		
127	77.6	56.3	104.5



Abundance Ion 128.95 (128.65 to 129.65): VV007474.D (-2228) (-)

Ion 126.90 (126.60 to 127.60): VV007474.D (-2228) (-)





#50

1,2-Dibromoethane

Concen: 10.078 ug/L

RT: 8.40 min Scan# 2274

Delta R.T. -0.00 min

Lab File: VV007474.D

Acq: 12 Sep 2018 13:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD01067

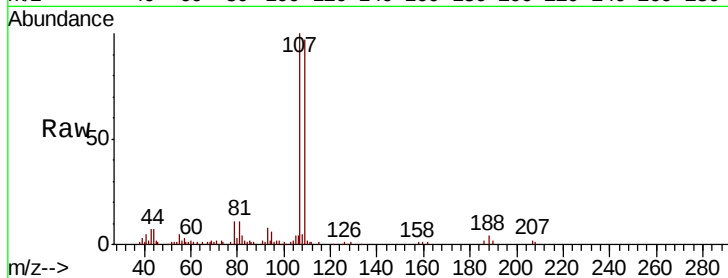
Tot Ion:107 Resp: 47294

Ion Ratio Lower Upper

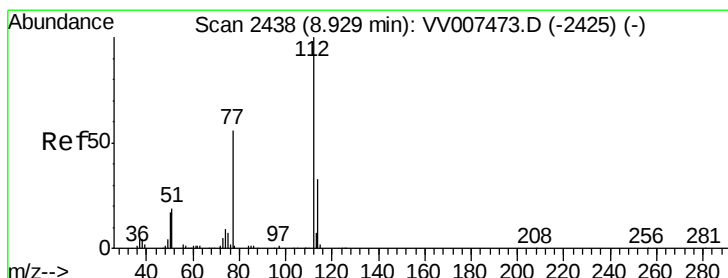
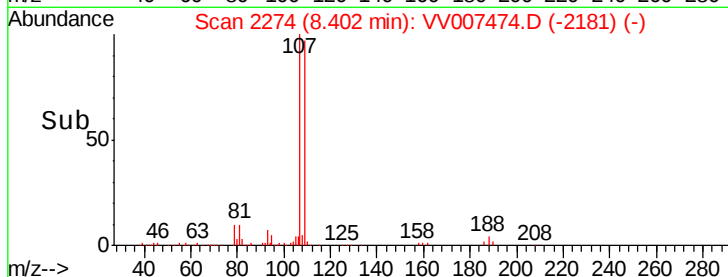
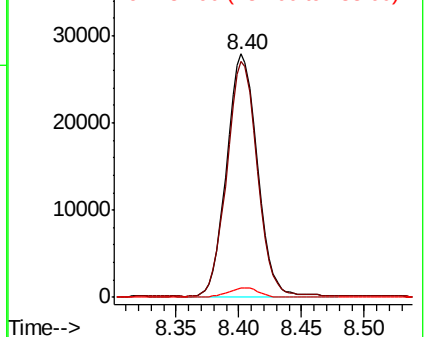
107 100

109 97.1 67.1 124.5

188 3.7 3.2 4.8



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: 10.093 ug/L

RT: 8.93 min Scan# 2438

Delta R.T. -0.00 min

Lab File: VV007474.D

Acq: 12 Sep 2018 13:08

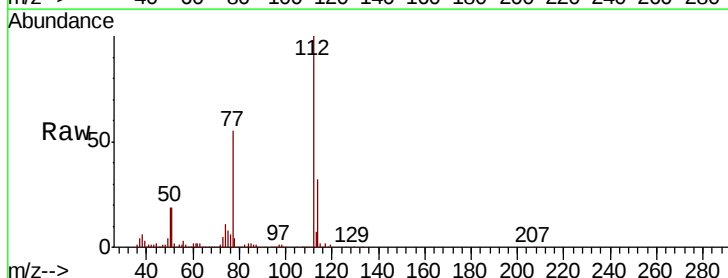
Tgt Ion:112 Resp: 190478

Ion Ratio Lower Upper

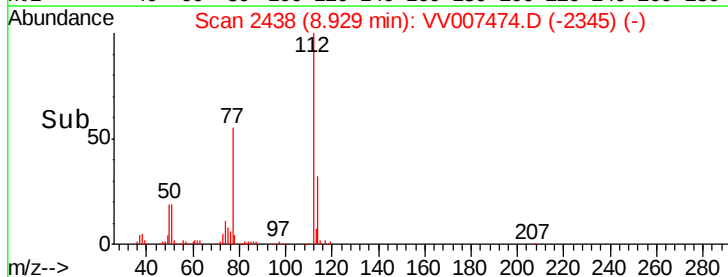
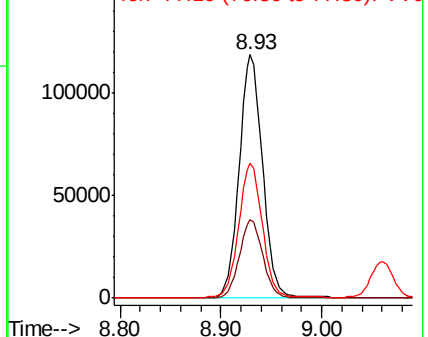
112 100

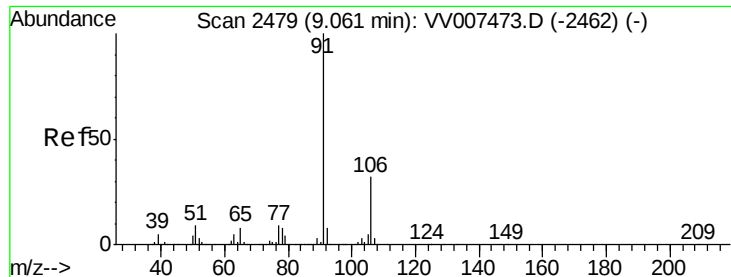
114 32.4 22.8 42.4

77 55.4 45.4 68.0



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





#52

Ethylbenzene

Concen: 10.315 ug/L

RT: 9.06 min Scan# 2479

Delta R.T. -0.00 min

Lab File: VV007474.D

Acq: 12 Sep 2018 13:08

Instrument :

MSVOA_V

ClientSampleId :

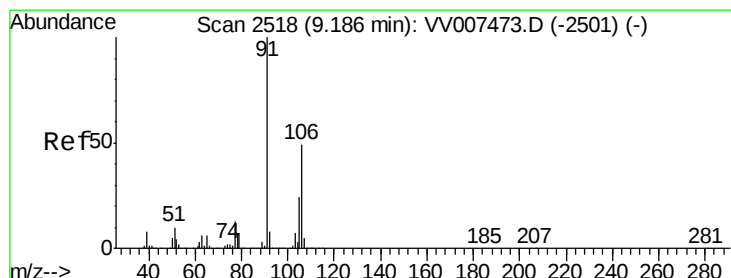
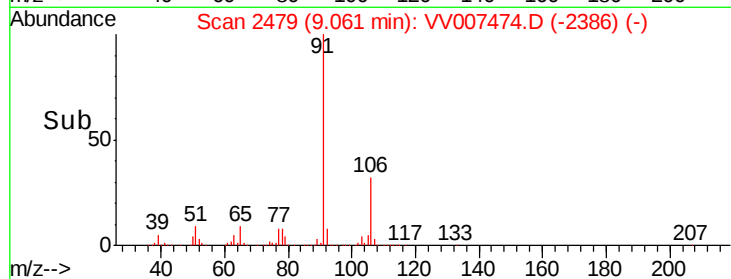
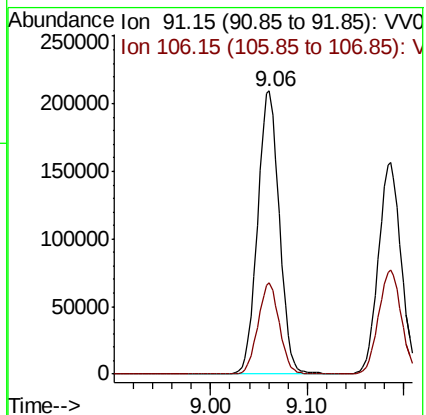
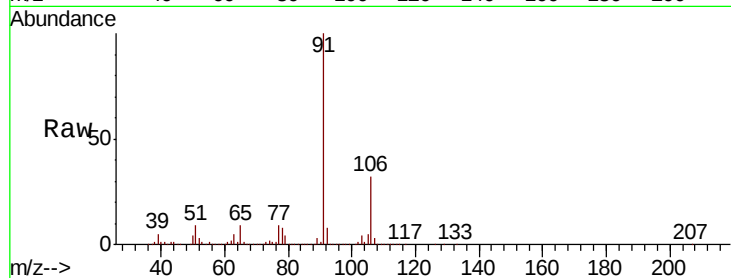
VSTD01067

Tot Ion: 91 Resp: 326577

Ion Ratio Lower Upper

91 100

106 32.1 22.7 42.1



#53

m,p-xylene

Concen: 10.184 ug/L

RT: 9.19 min Scan# 2518

Delta R.T. -0.00 min

Lab File: VV007474.D

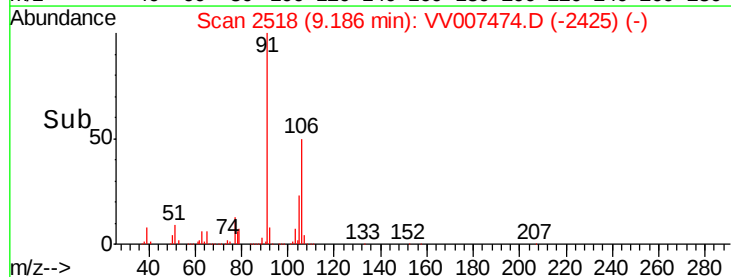
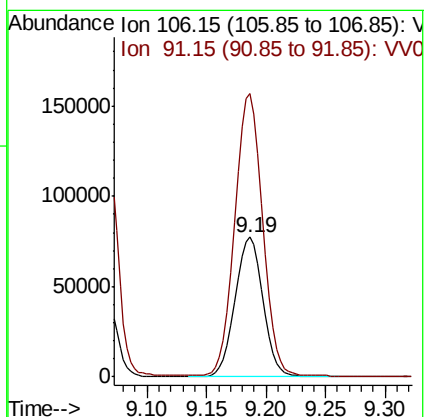
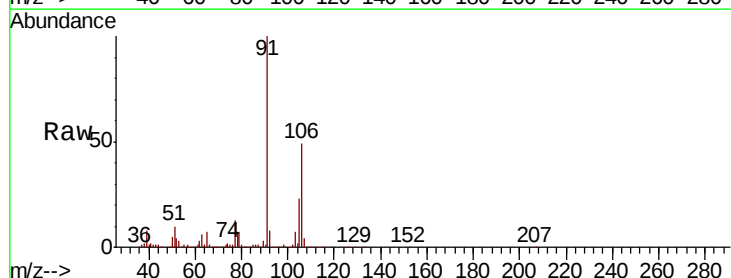
Acq: 12 Sep 2018 13:08

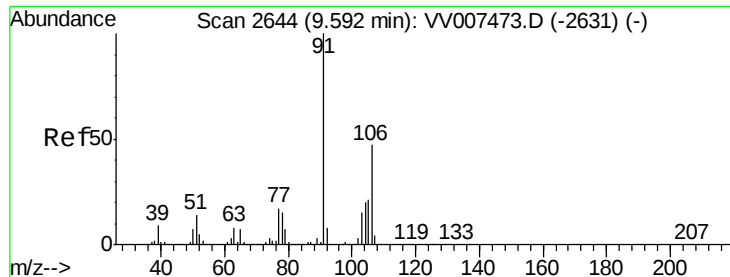
Tgt Ion: 106 Resp: 125422

Ion Ratio Lower Upper

106 100

91 202.3 142.3 264.3





#54

o-xylene

Concen: 10.130 ug/L

RT: 9.59 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VV007474.D

Acq: 12 Sep 2018 13:08

Instrument :

MSVOA_V

ClientSampleId :

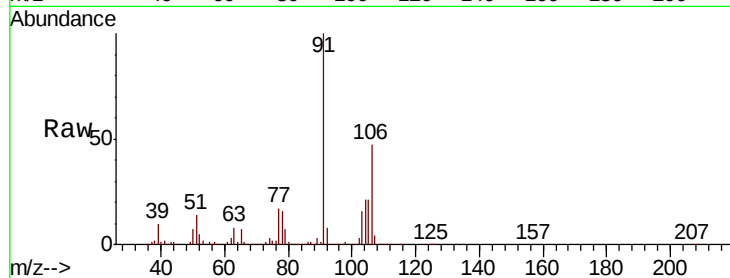
VSTD01067

Tot Ion:106 Resp: 121791

Ion Ratio Lower Upper

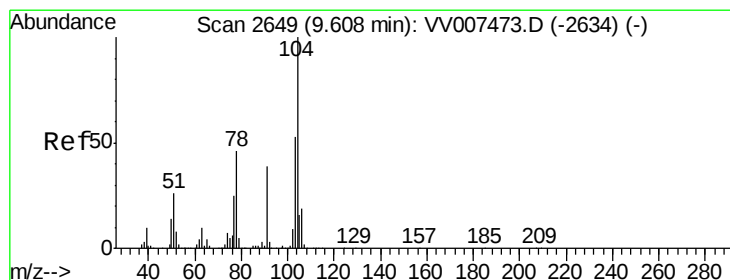
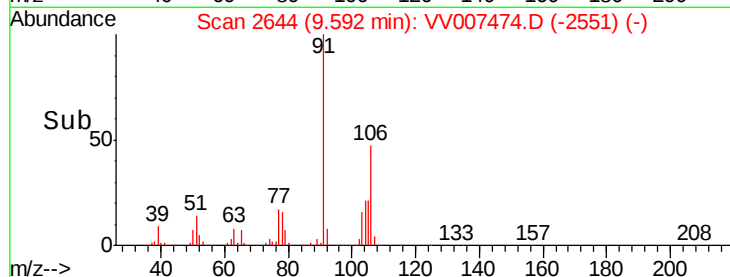
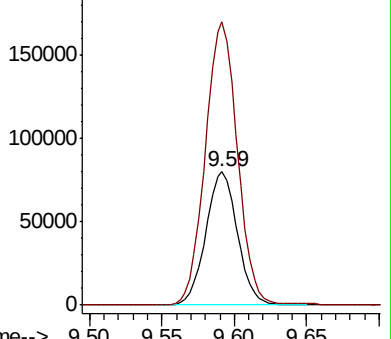
106 100

91 212.2 149.9 278.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 10.456 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. -0.00 min

Lab File: VV007474.D

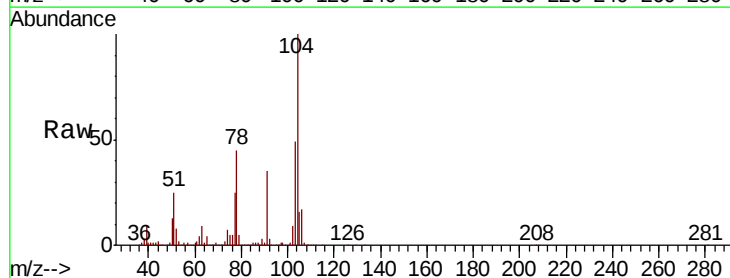
Acq: 12 Sep 2018 13:08

Tgt Ion:104 Resp: 205980

Ion Ratio Lower Upper

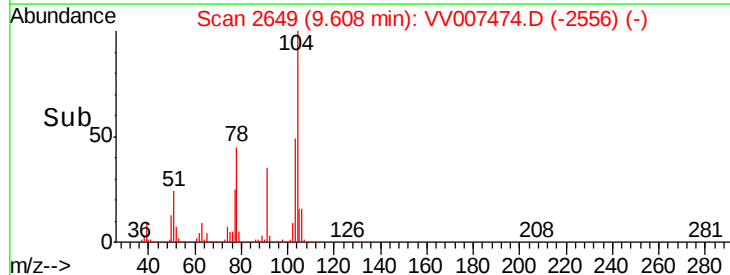
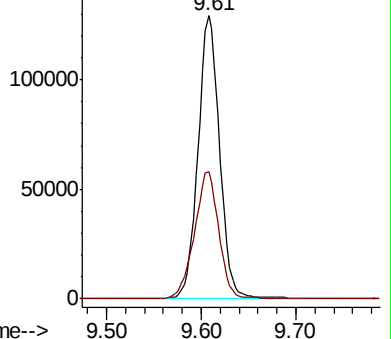
104 100

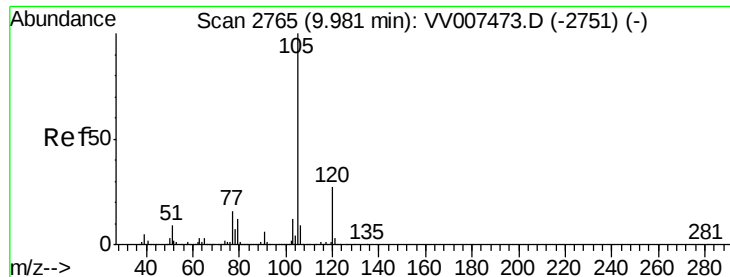
78 44.8 32.4 60.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 10.265 ug/L

RT: 9.98 min Scan# 2765

Delta R.T. -0.00 min

Lab File: VV007474.D

Acq: 12 Sep 2018 13:08

Instrument :

MSVOA_V

ClientSampled :

VSTD01067

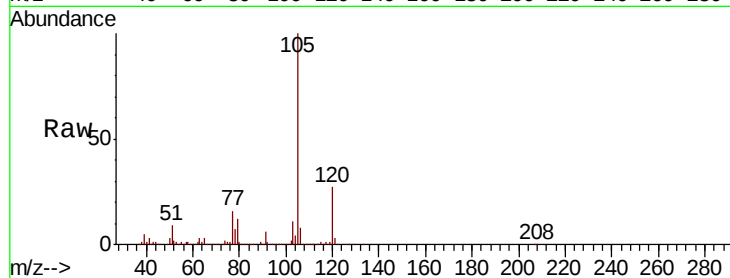
Tot Ion:105 Resp: 332357

Ion Ratio Lower Upper

105 100

120 27.1 21.8 32.8

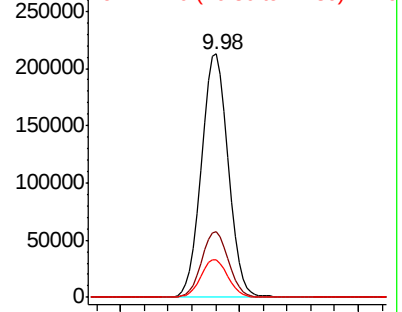
77 15.6 12.6 18.8



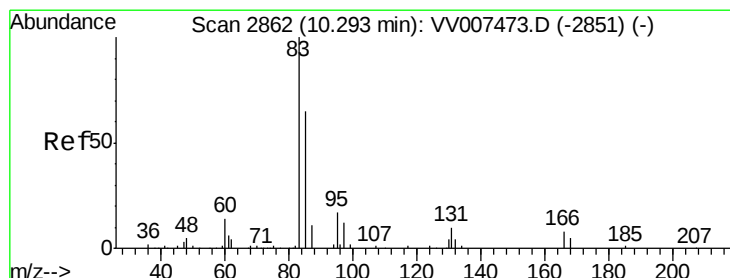
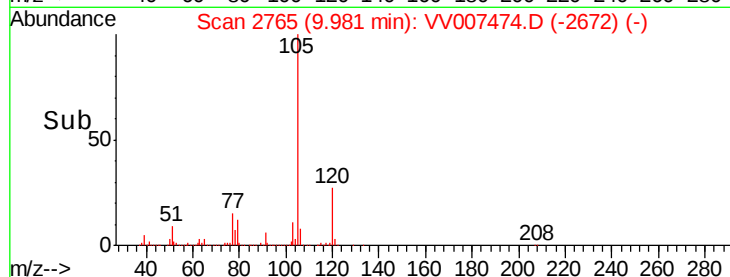
Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



Time-->



#58

1,1,2,2-Tetrachloroethane

Concen: 10.534 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VV007474.D

Acq: 12 Sep 2018 13:08

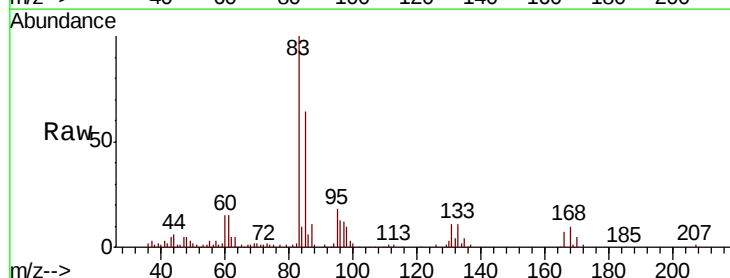
Tgt Ion: 83 Resp: 55551

Ion Ratio Lower Upper

83 100

85 64.2 48.2 89.4

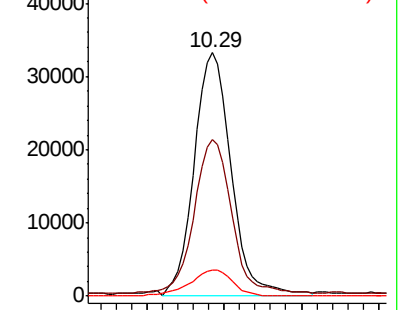
131 10.6 8.9 13.3



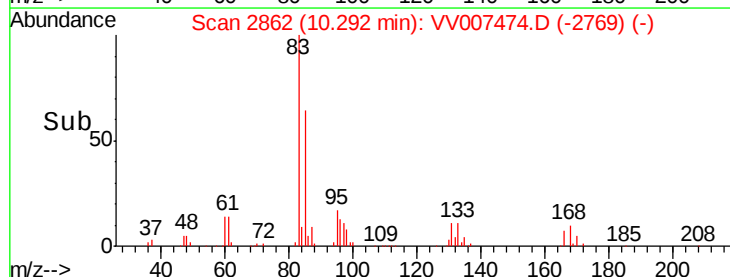
Abundance Ion 82.95 (82.65 to 83.65): VV0

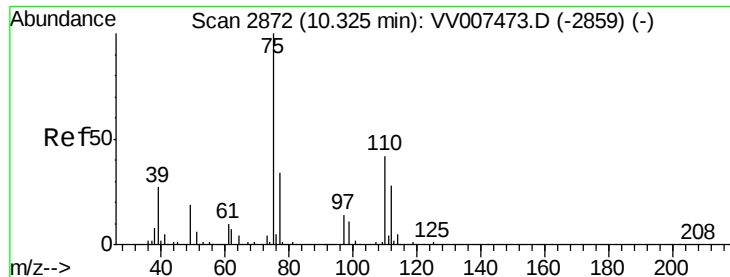
Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V



Time-->





#59

1,2,3-Trichloropropane

Concen: 10.110 ug/L

RT: 10.32 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VV007474.D

Acq: 12 Sep 2018 13:08

Instrument :

MSVOA_V

ClientSampleId :

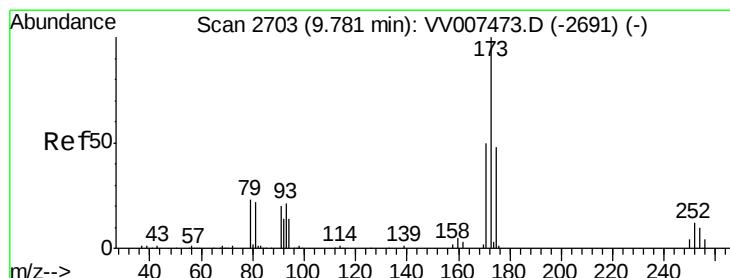
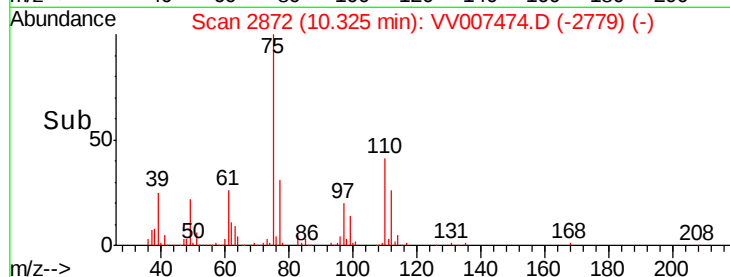
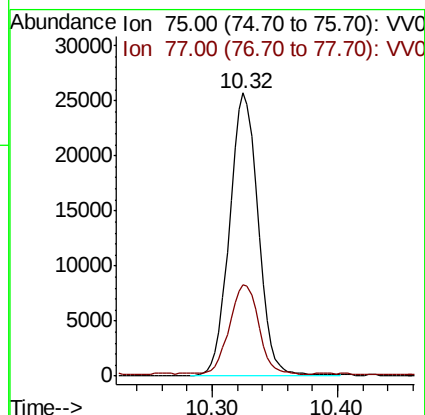
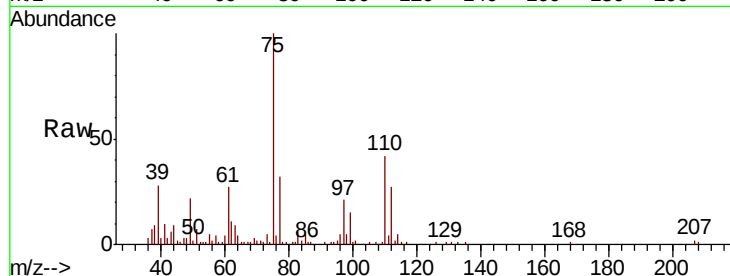
VSTD01067

Tot Ion: 75 Resp: 40897

Ion Ratio Lower Upper

75 100

77 31.7 25.4 38.0



#61

Bromoform

Concen: 10.318 ug/L

RT: 9.78 min Scan# 2703

Delta R.T. -0.00 min

Lab File: VV007474.D

Acq: 12 Sep 2018 13:08

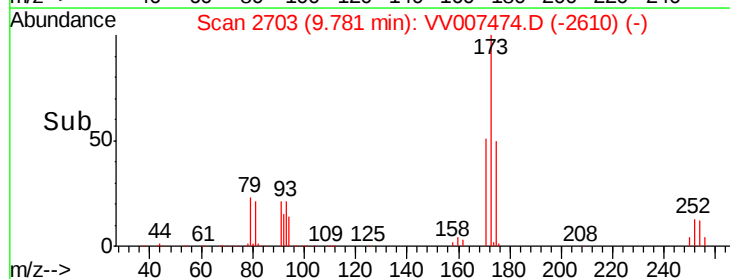
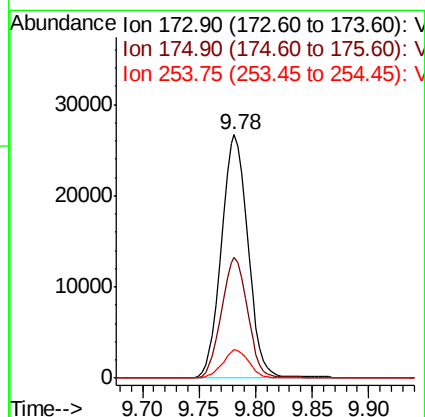
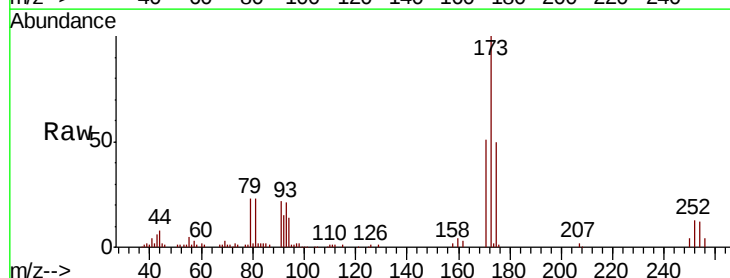
Tgt Ion: 173 Resp: 43837

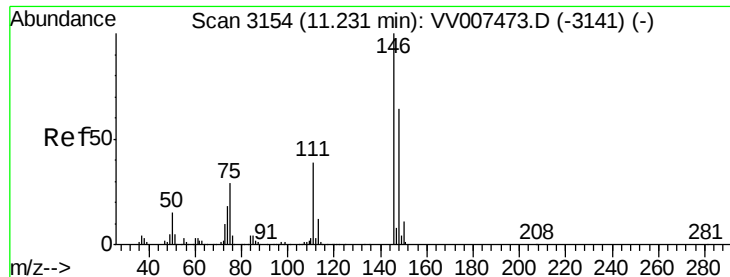
Ion Ratio Lower Upper

173 100

175 48.3 40.5 60.7

254 11.2 9.2 13.8





#62

1,3-Dichlorobenzene

Concen: 10.157 ug/L

RT: 11.23 min Scan# 3154

Delta R.T. -0.00 min

Lab File: VV007474.D

Acq: 12 Sep 2018 13:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD01067

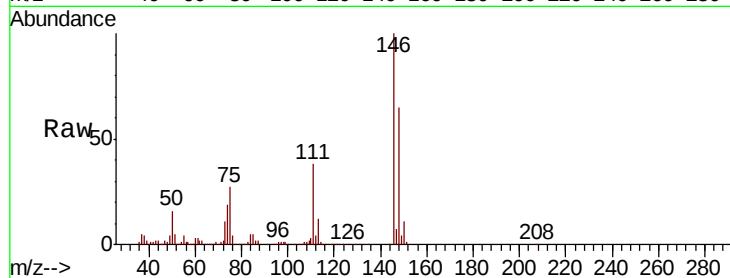
Tot Ion:146 Resp: 158372

Ion Ratio Lower Upper

146 100

111 38.0 27.4 51.0

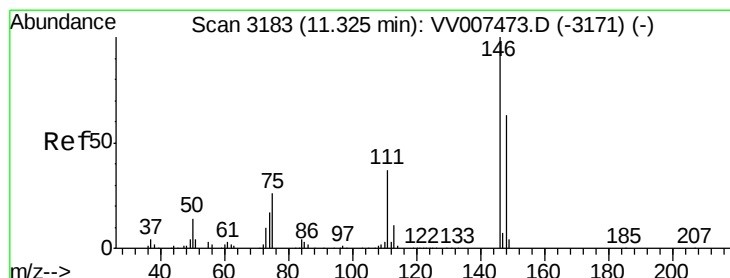
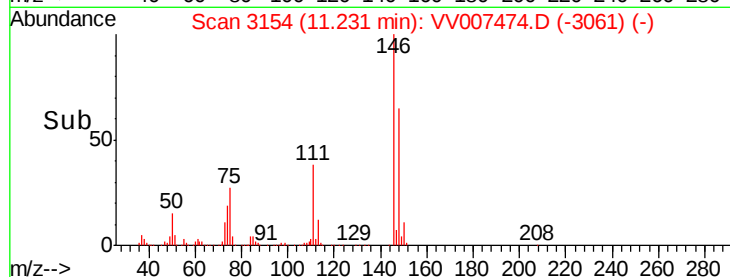
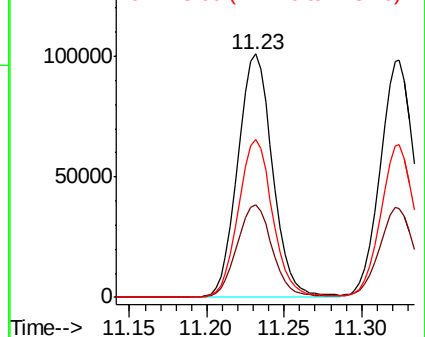
148 65.0 45.1 83.7



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 10.143 ug/L

RT: 11.32 min Scan# 3183

Delta R.T. -0.00 min

Lab File: VV007474.D

Acq: 12 Sep 2018 13:08

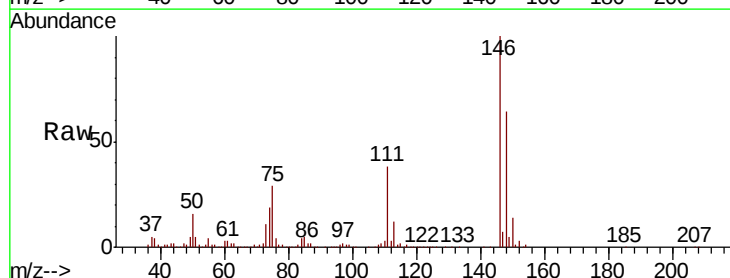
Tgt Ion:146 Resp: 157503

Ion Ratio Lower Upper

146 100

111 37.6 26.6 49.4

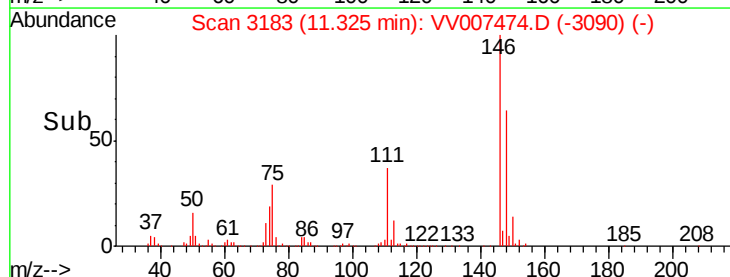
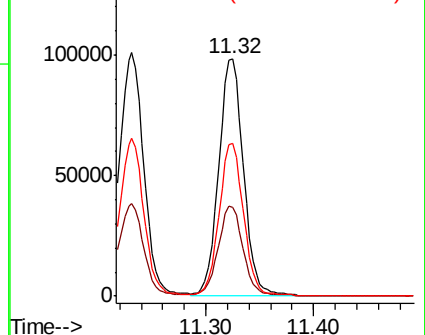
148 64.0 44.2 82.2

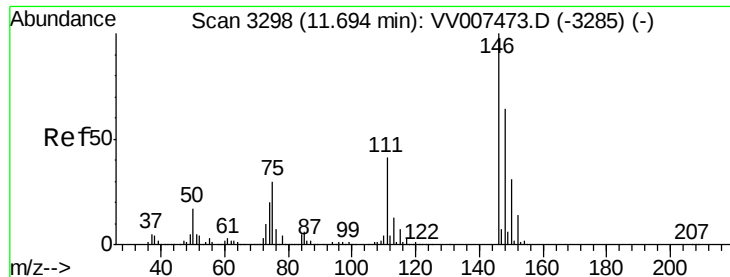


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 10.200 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VV007474.D

Acq: 12 Sep 2018 13:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD01067

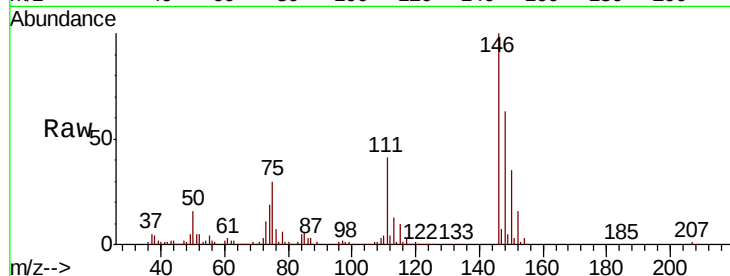
Tot Ion:146 Resp: 149356

Ion Ratio Lower Upper

146 100

111 40.7 33.0 49.4

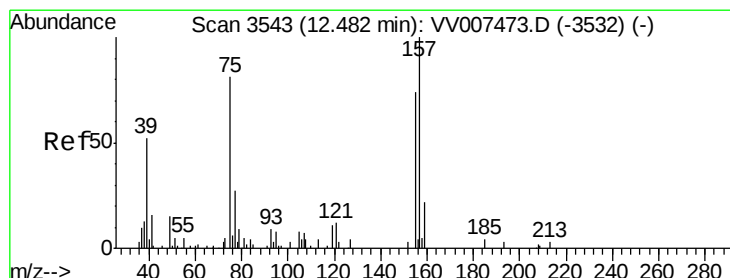
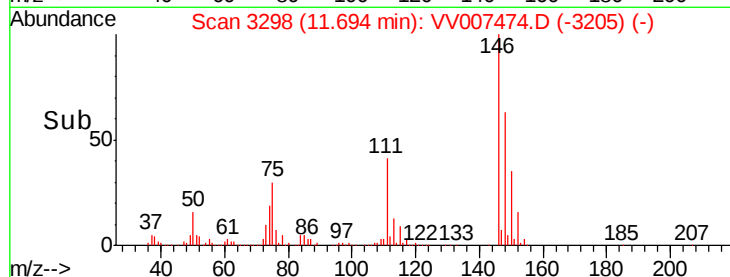
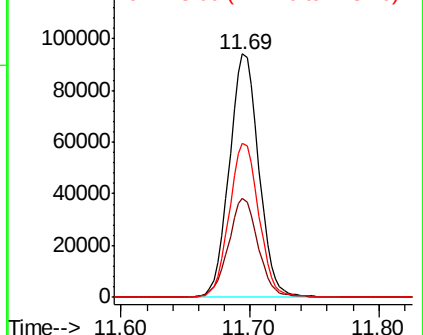
148 63.4 51.3 76.9



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: 10.326 ug/L

RT: 12.48 min Scan# 3543

Delta R.T. -0.00 min

Lab File: VV007474.D

Acq: 12 Sep 2018 13:08

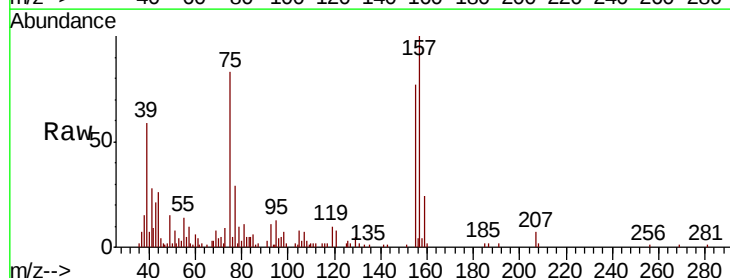
Tgt Ion: 75 Resp: 11242

Ion Ratio Lower Upper

75 100

155 92.9 73.3 109.9

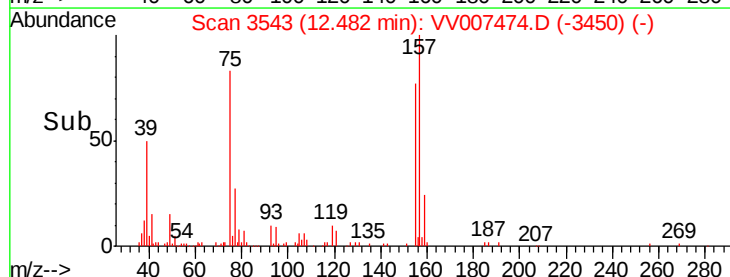
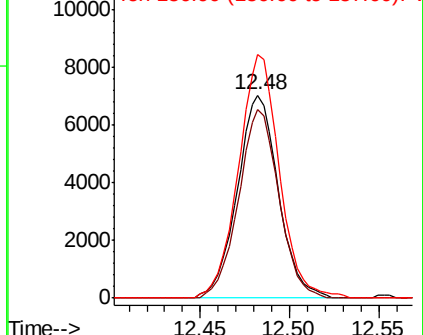
157 119.9 99.4 149.0

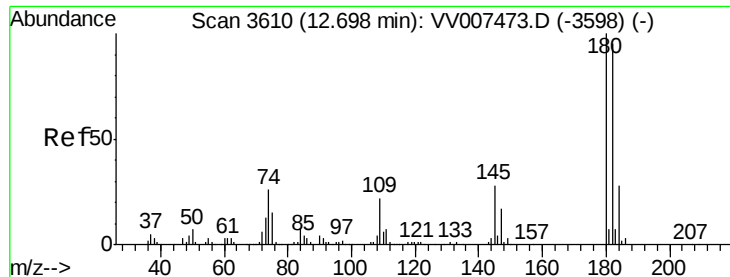


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

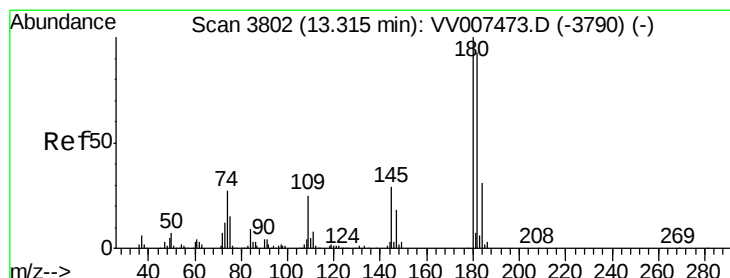
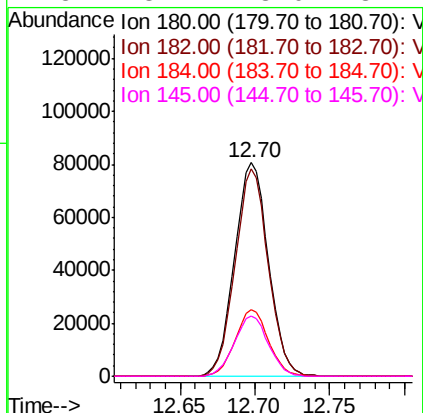
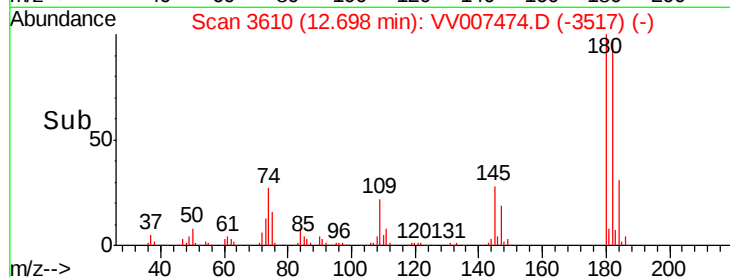
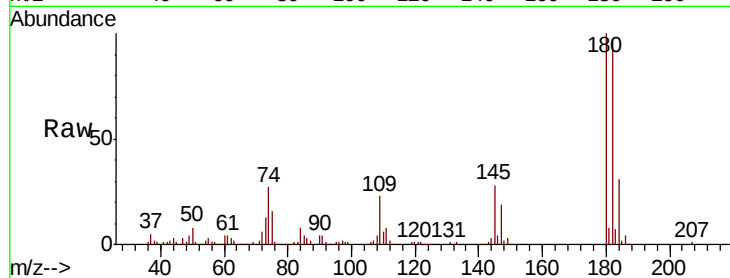




#67
 1,3,5-Trichlorobenzene
 Concen: 10.623 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. -0.00 min
 Lab File: VV007474.D
 Acq: 12 Sep 2018 13:08

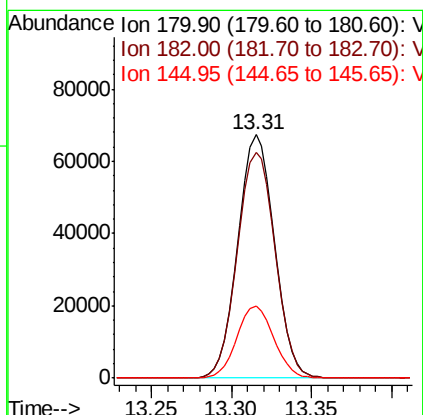
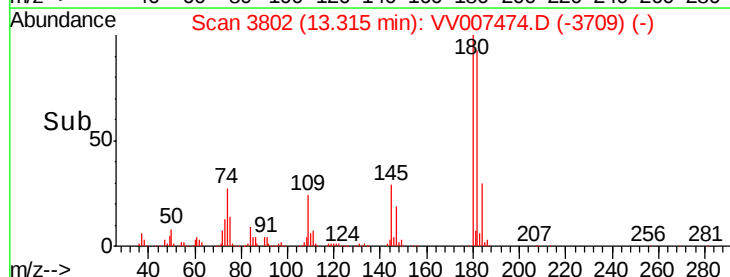
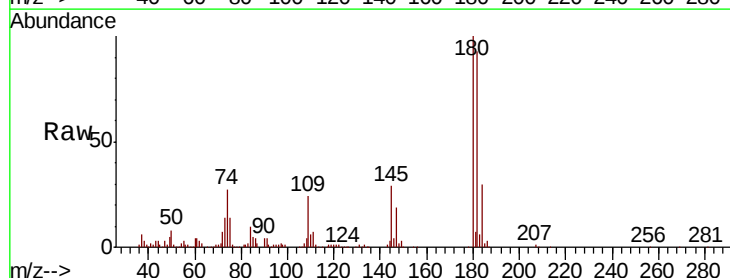
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01067

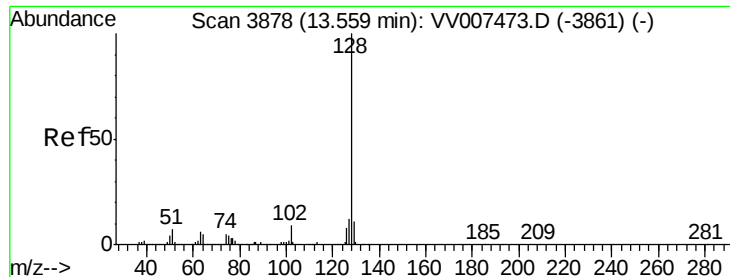
Tot Ion:180	Resp:	127000
Ion	Ratio	Lower Upper
180	100	
182	94.7	75.4 113.2
184	30.6	23.8 35.8
145	28.4	23.0 34.4



#68
 1,2,4-trichlorobenzene
 Concen: 11.546 ug/L
 RT: 13.31 min Scan# 3802
 Delta R.T. -0.00 min
 Lab File: VV007474.D
 Acq: 12 Sep 2018 13:08

Tgt Ion:180	Resp:	104716
Ion	Ratio	Lower Upper
180	100	
182	96.1	76.6 114.8
145	29.9	23.3 34.9





#69

Naphthalene

Concen: 11.844 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. -0.00 min

Lab File: VV007474.D

Acq: 12 Sep 2018 13:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD01067

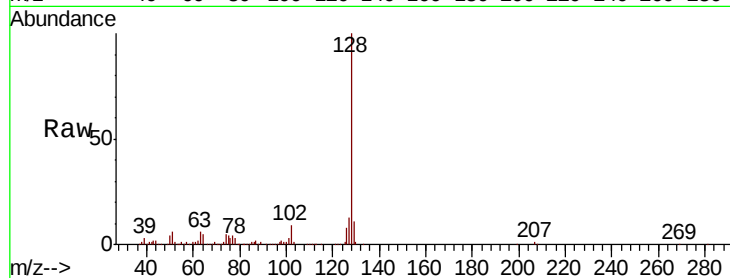
Tot Ion:128 Resp: 167131

Ion Ratio Lower Upper

128 100

129 11.2 8.7 13.1

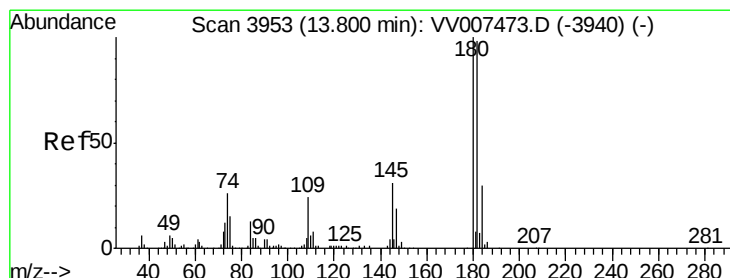
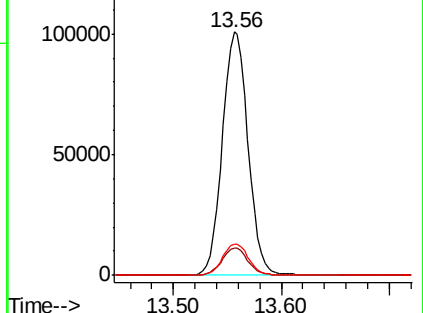
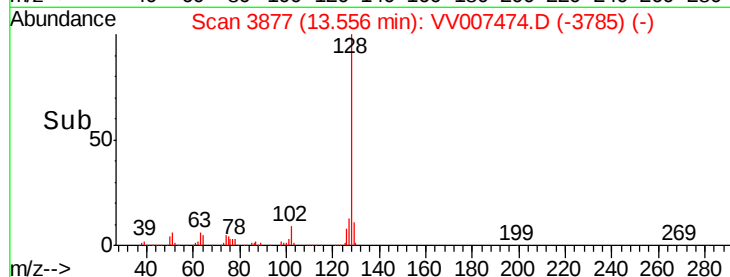
127 13.1 10.8 16.2



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: 11.334 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. -0.00 min

Lab File: VV007474.D

Acq: 12 Sep 2018 13:08

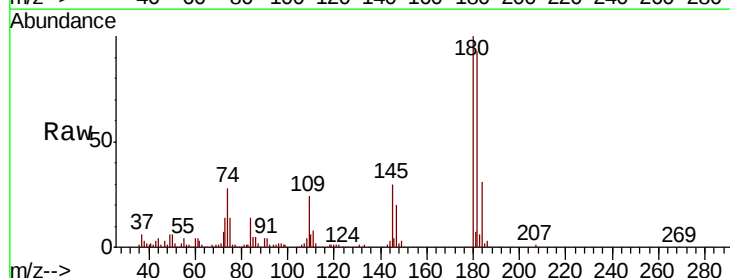
Tgt Ion:180 Resp: 96418

Ion Ratio Lower Upper

180 100

182 94.3 76.4 114.6

145 30.6 25.1 37.7



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

