

Data File : VV009417.D
Acq On : 28 Feb 2019 11:53
Operator : SY/MD
Sample : VSTD01064
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD01064

Quant Time: Mar 01 03:28:46 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR022819WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Mar 01 03:24:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	115208	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	111853	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	54755	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	62227	9.93	ug/L	0.00
7) Chloroethane-d5	1.58	69	53207	11.15	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	158253	12.30	ug/L	0.00
20) 2-Butanone-d5	3.98	46	132643	89.72	ug/L	0.00
24) Chloroform-d	4.40	84	125297	8.86	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	63530	9.43	ug/L	0.00
32) Benzene-d6	5.10	84	257044	8.95	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	76287	9.02	ug/L	0.00
41) Toluene-d8	7.36	98	258078	9.41	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	34984	10.66	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	113281	93.25	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	61566	10.54	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	94490	9.37	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	69827	6.800 ug/L	99
3) Chloromethane	1.25	50	74388	10.042 ug/L	97
5) Vinyl chloride	1.32	62	82988	10.793 ug/L	96
6) Bromomethane	1.54	94	55126	11.835 ug/L	100
8) Chloroethane	1.60	64	52305	11.566 ug/L	96
9) Trichlorofluoromethane	1.77	101	180170	13.561 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	85590	12.143 ug/L	98
12) 1,1-Dichloroethene	2.14	96	76151	12.385 ug/L	97
13) Acetone	2.23	43	112759	124.977 ug/L	100
14) Carbon disulfide	2.32	76	250795	13.169 ug/L	99
15) Methyl Acetate	2.48	43	28237	13.338 ug/L	99
16) Methylene chloride	2.54	84	75944	11.383 ug/L	95
17) Methyl tert-butyl Ether	2.81	73	191890	12.546 ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	81461	12.110 ug/L	95
19) 1,1-Dichloroethane	3.23	63	104465	7.816 ug/L	98
21) 2-Butanone	4.06	43	142089	91.817 ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	76749	9.245 ug/L	98
23) Bromochloromethane	4.30	128	31253	8.897 ug/L	92
25) Chloroform	4.43	83	132252	9.135 ug/L	98
27) 1,2-Dichloroethane	5.18	62	79935	9.668 ug/L	98
29) 1,1,1-Trichloroethane	4.66	97	125739	9.550 ug/L	98
30) Cyclohexane	4.72	56	118642	9.362 ug/L	97
31) Carbon tetrachloride	4.87	117	103920	8.911 ug/L	99
33) Benzene	5.15	78	290251	9.244 ug/L	100
34) Trichloroethene	5.96	95	81237	8.908 ug/L	97
35) Methylcyclohexane	6.17	83	132334	9.208 ug/L	97
37) 1,2-Dichloropropane	6.22	63	71751	9.380 ug/L	100
38) Bromodichloromethane	6.56	83	99505	10.200 ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	114460	10.330 ug/L	96
40) 4-Methyl-2-pentanone	7.28	43	381765	97.122 ug/L	98

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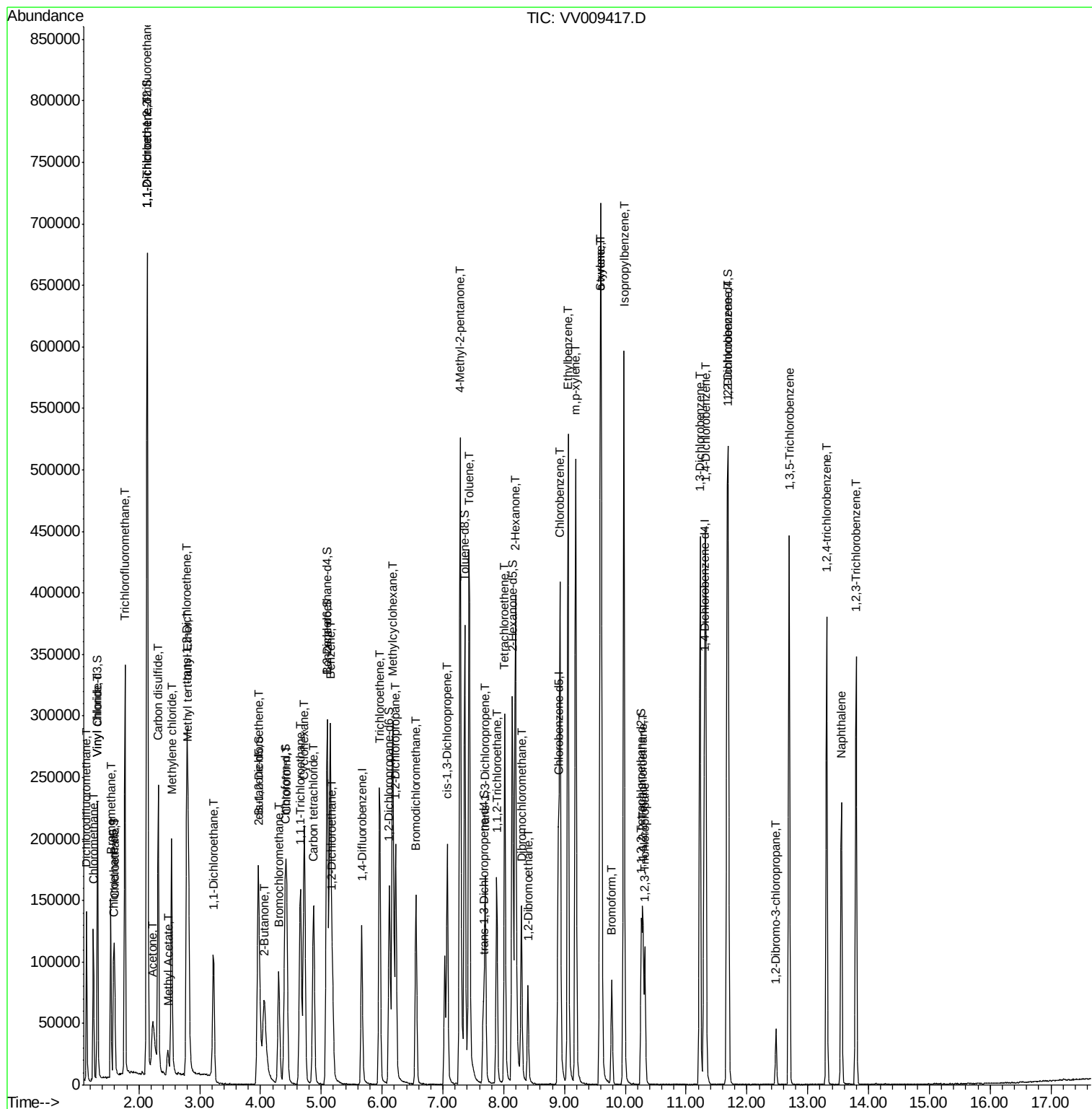
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	339203	9.892	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	92888	10.841	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	51278	9.437	ug/L	98
47) Tetrachloroethene	8.02	164	65093	8.976	ug/L	98
48) 2-Hexanone	8.19	43	275285	99.649	ug/L	97
49) Dibromochloromethane	8.29	129	68682	10.655	ug/L	97
50) 1,2-Dibromoethane	8.40	107	49758	9.756	ug/L	99
51) Chlorobenzene	8.93	112	221031	9.766	ug/L	99
52) Ethylbenzene	9.06	91	388563	10.271	ug/L	98
53) m,p-xylene	9.18	106	156760	10.782	ug/L	98
54) o-xylene	9.59	106	149830	10.747	ug/L	100
55) Styrene	9.60	104	244518	10.722	ug/L	98
56) Isopropylbenzene	9.98	105	397008	10.591	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	62971	11.142	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	42409	9.289	ug/L	98
61) Bromoform	9.78	173	36031	10.873	ug/L	98
62) 1,3-Dichlorobenzene	11.23	146	175778	9.844	ug/L	95
63) 1,4-Dichlorobenzene	11.32	146	174814	9.686	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	158207	9.665	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	11083	12.568	ug/L	98
67) 1,3,5-Trichlorobenzene	12.69	180	126278	9.630	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	103674	10.559	ug/L	99
69) Naphthalene	13.55	128	178910	12.256	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	91998	10.093	ug/L	98

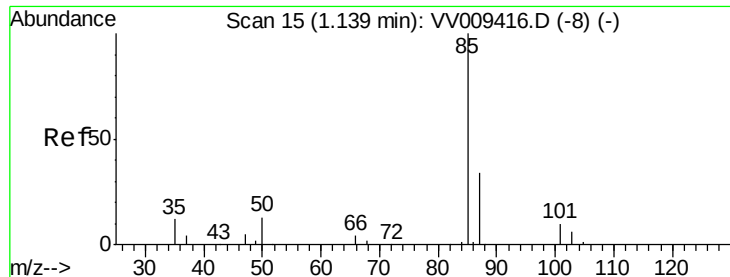
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 6.800 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV009417.D

Acq: 28 Feb 2019 11:53

Instrument :

MSVOA_V

ClientSampleId :

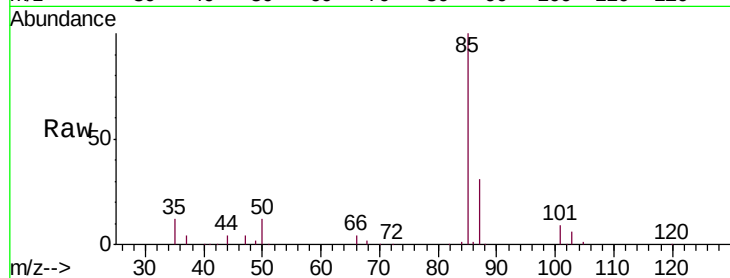
VSTD01064

Tgt Ion: 85 Resp: 69827

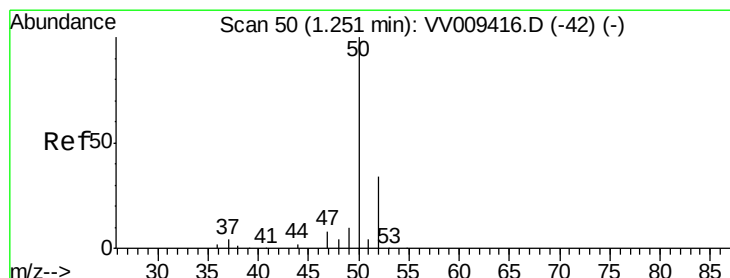
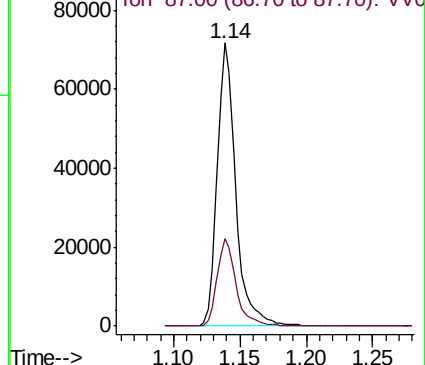
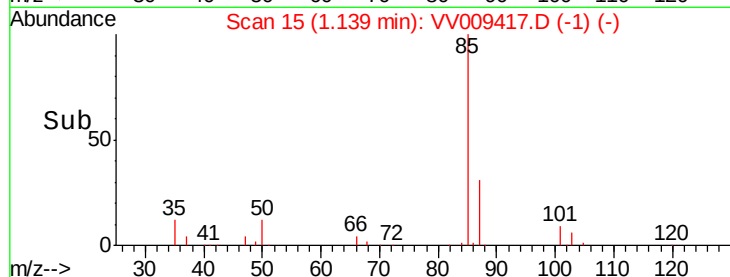
Ion Ratio Lower Upper

85 100

87 31.8 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VV009417.D (-1) (-)



#3

Chloromethane

Concen: 10.042 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV009417.D

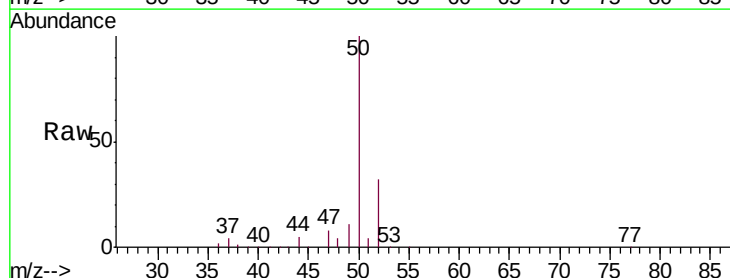
Acq: 28 Feb 2019 11:53

Tgt Ion: 50 Resp: 74388

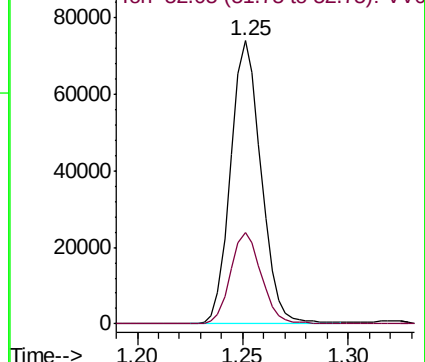
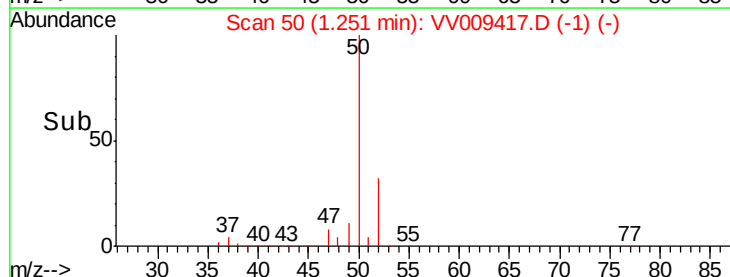
Ion Ratio Lower Upper

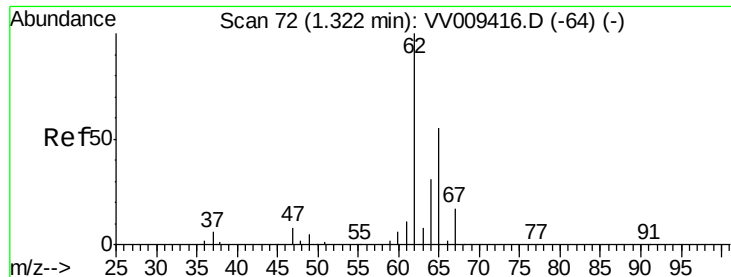
50 100

52 32.2 23.5 43.7



Abundance Ion 50.05 (49.75 to 50.75): VV009417.D (-1) (-)





#5

Vinyl chloride

Concen: 10.793 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV009417.D

Acq: 28 Feb 2019 11:53

Instrument :

MSVOA_V

ClientSampleId :

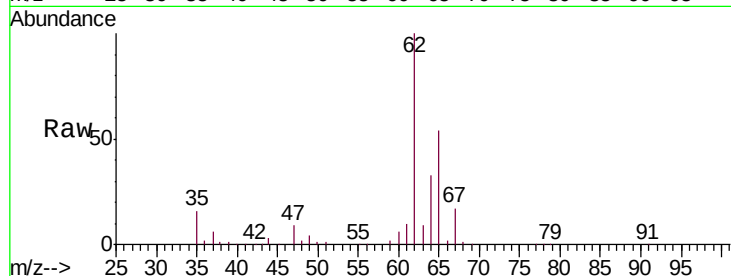
VSTD01064

Tgt Ion: 62 Resp: 82988

Ion Ratio Lower Upper

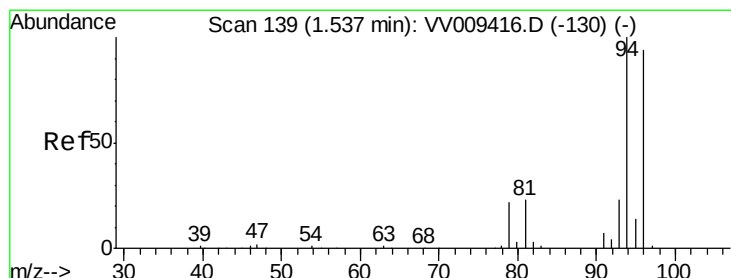
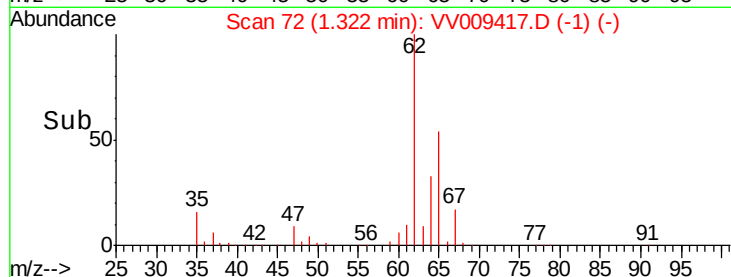
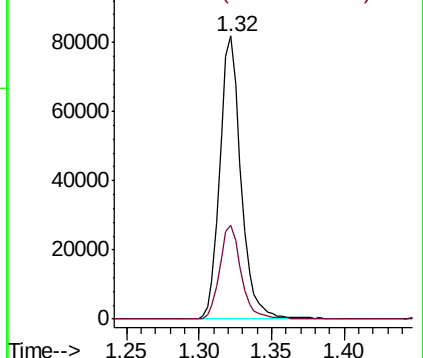
62 100

64 33.2 21.6 40.0



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 11.835 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV009417.D

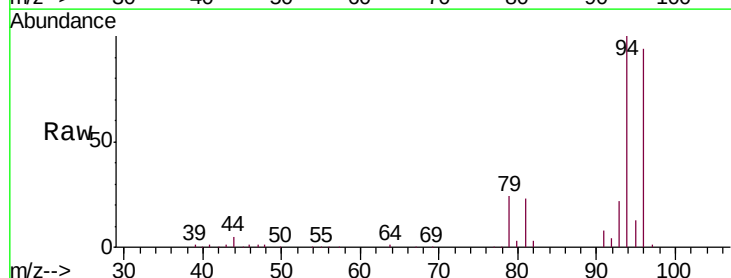
Acq: 28 Feb 2019 11:53

Tgt Ion: 94 Resp: 55126

Ion Ratio Lower Upper

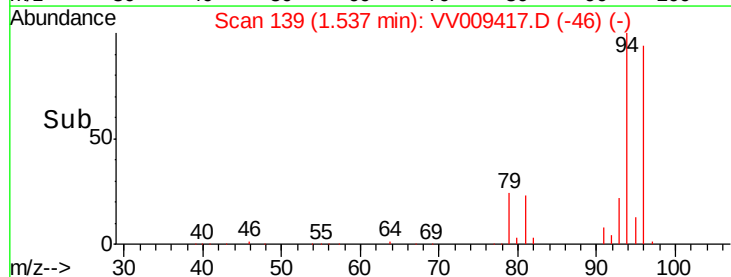
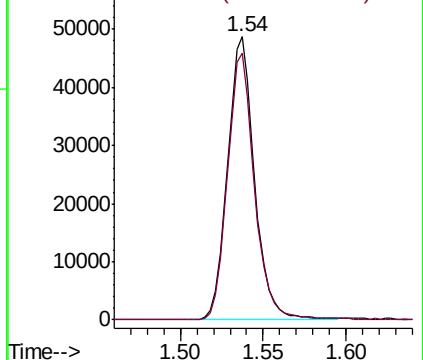
94 100

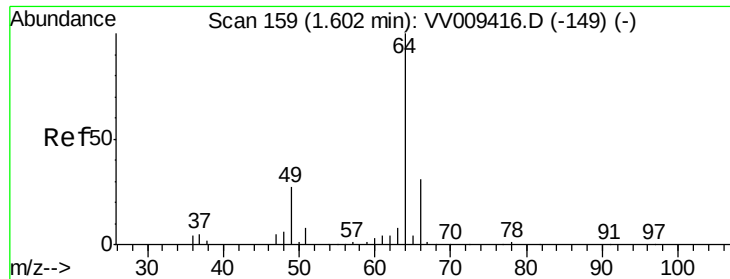
96 94.1 65.8 122.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 11.566 ug/L

RT: 1.60 min Scan# 159

Delta R.T. -0.00 min

Lab File: VV009417.D

Acq: 28 Feb 2019 11:53

Instrument :

MSVOA_V

ClientSampleId :

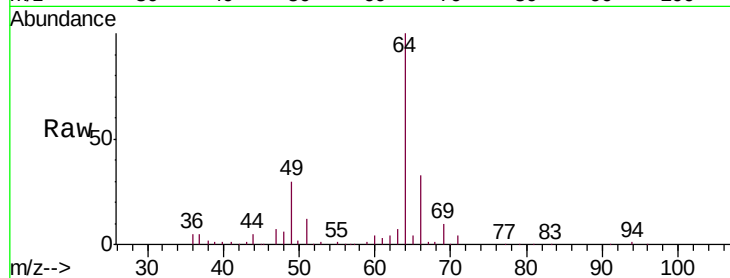
VSTD01064

Tgt Ion: 64 Resp: 52305

Ion Ratio Lower Upper

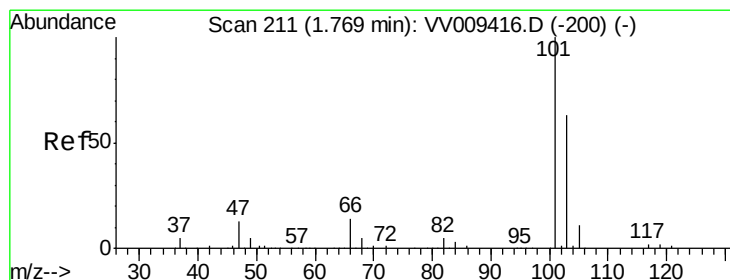
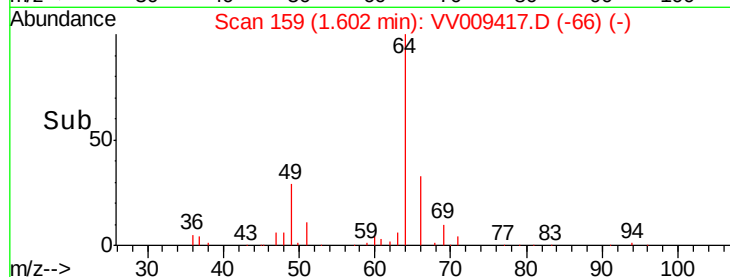
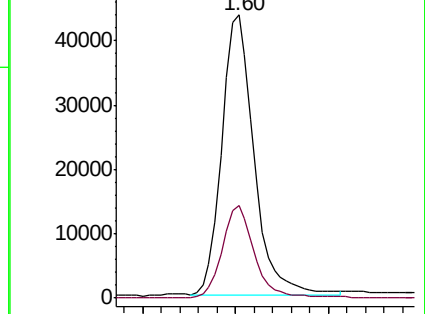
64 100

66 32.7 21.3 39.5



Abundance Ion 64.10 (63.80 to 64.80): VV009417.D (-149) (-)

Ion 66.05 (65.75 to 66.75): VV009417.D (-149) (-)



#9

Trichlorofluoromethane

Concen: 13.561 ug/L

RT: 1.77 min Scan# 211

Delta R.T. -0.00 min

Lab File: VV009417.D

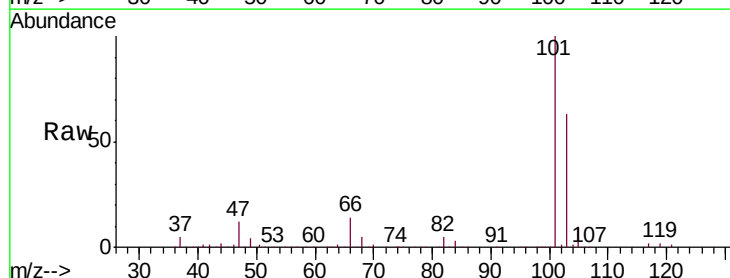
Acq: 28 Feb 2019 11:53

Tgt Ion:101 Resp: 180170

Ion Ratio Lower Upper

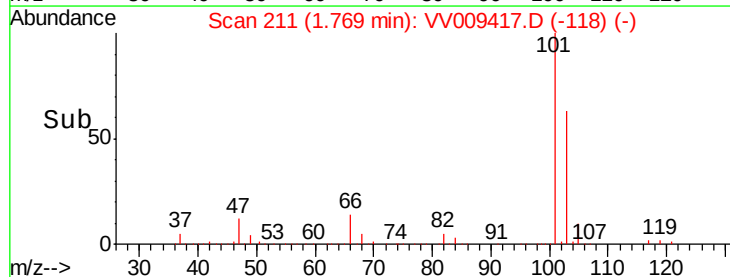
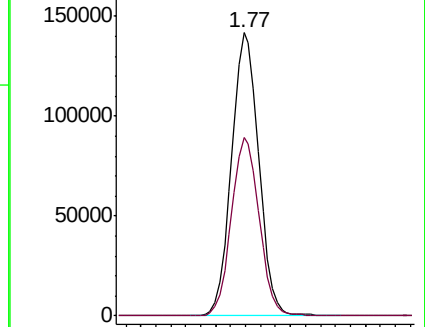
101 100

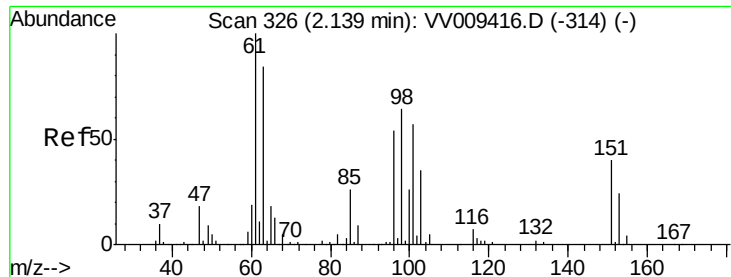
103 64.1 51.3 76.9



Abundance Ion 101.00 (100.70 to 101.70): VV009417.D (-118) (-)

Ion 103.00 (102.70 to 103.70): VV009417.D (-118) (-)





#10

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

Concen: 12.143 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV009417.D

Acq: 28 Feb 2019 11:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD01064

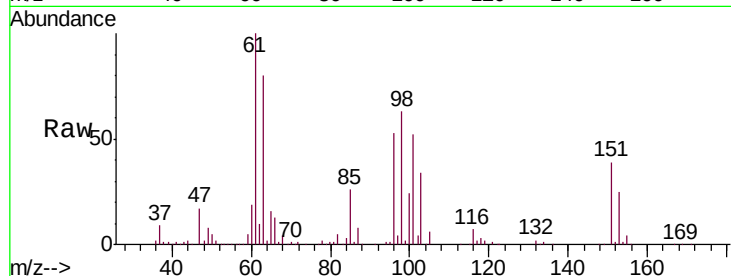
Tgt Ion: 101 Resp: 85590

Ion Ratio Lower Upper

101 100

85 49.7 38.2 57.4

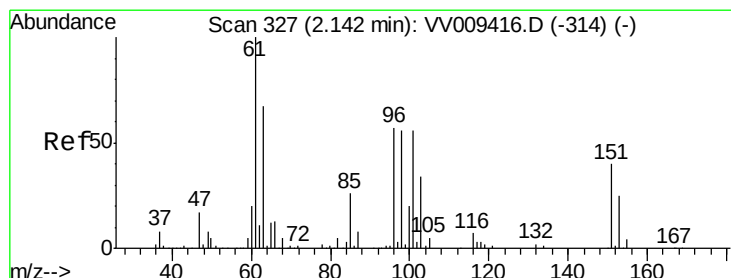
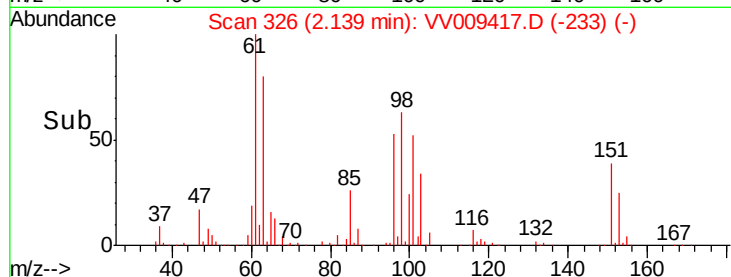
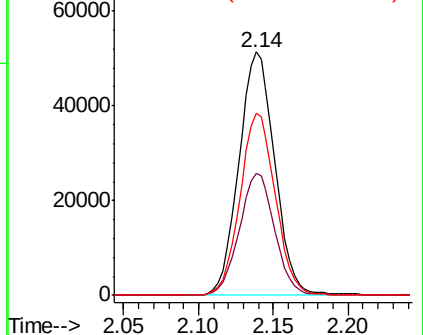
151 73.7 58.0 87.0



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: 12.385 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV009417.D

Acq: 28 Feb 2019 11:53

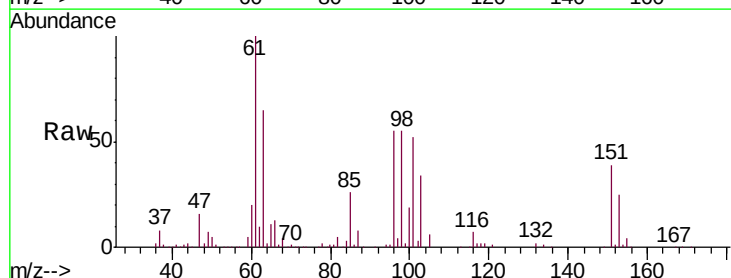
Tgt Ion: 96 Resp: 76151

Ion Ratio Lower Upper

96 100

61 182.7 123.1 228.5

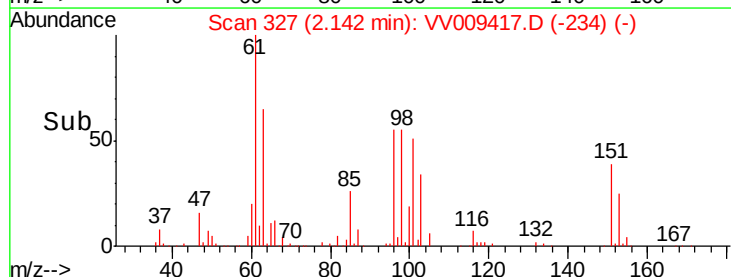
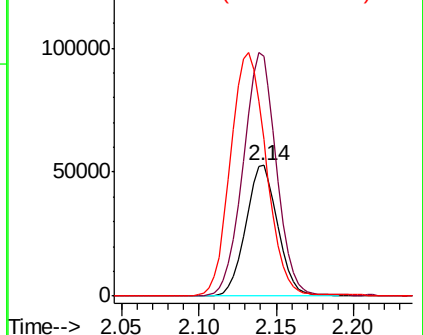
63 119.6 82.9 153.9

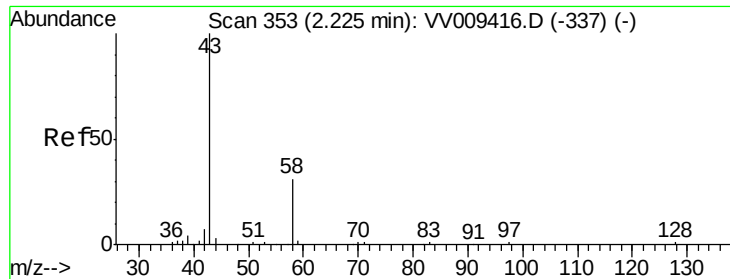


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 124.977 ug/L

RT: 2.23 min Scan# 354

Delta R.T. 0.00 min

Lab File: VV009417.D

Acq: 28 Feb 2019 11:53

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ClientSampleId :

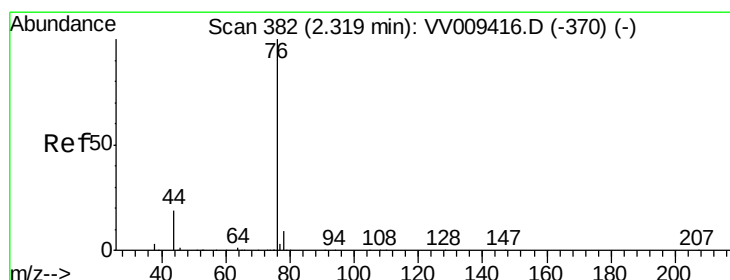
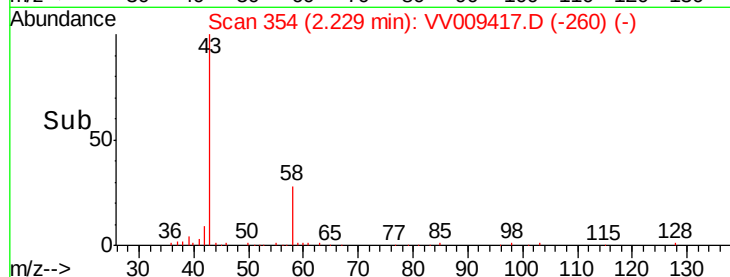
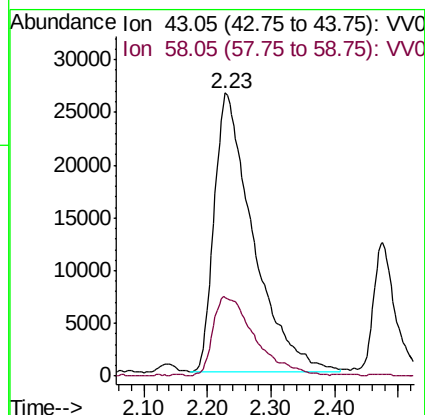
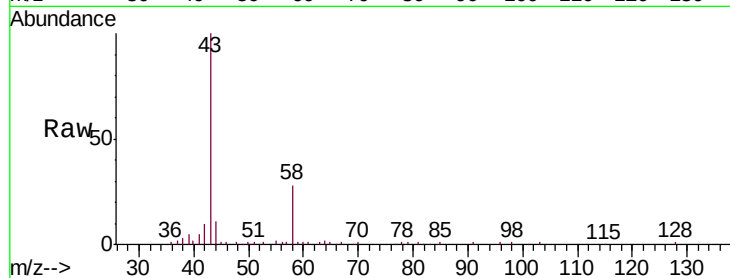
VSTD01064

Tgt Ion: 43 Resp: 112759

Ion Ratio Lower Upper

43 100

58 30.8 0.0 62.0



#14

Carbon disulfide

Concen: 13.169 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VV009417.D

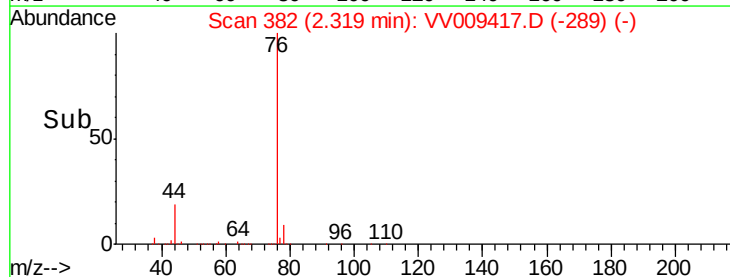
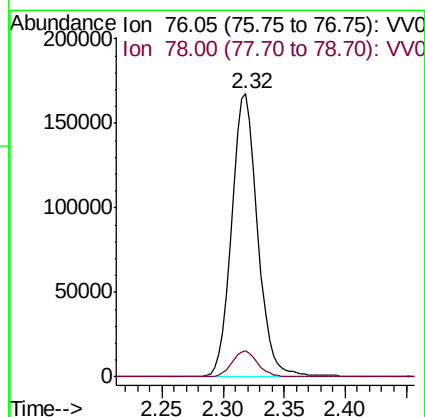
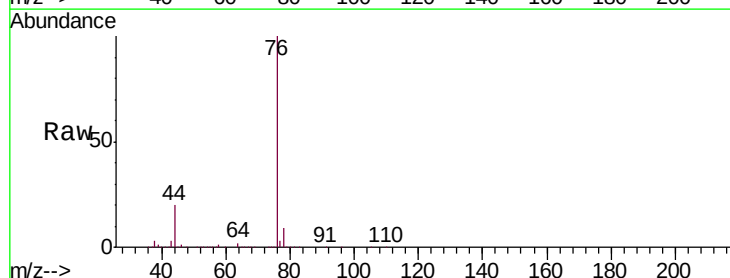
Acq: 28 Feb 2019 11:53

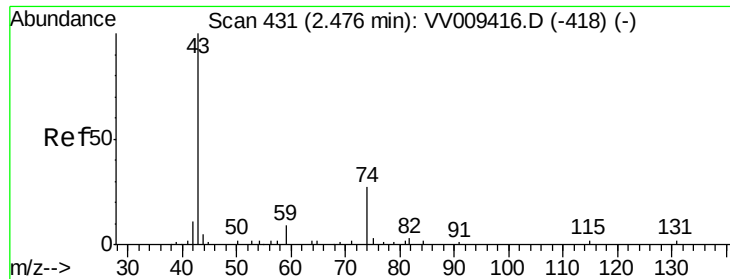
Tgt Ion: 76 Resp: 250795

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2

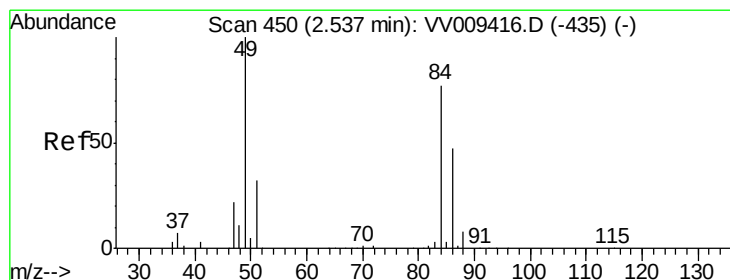
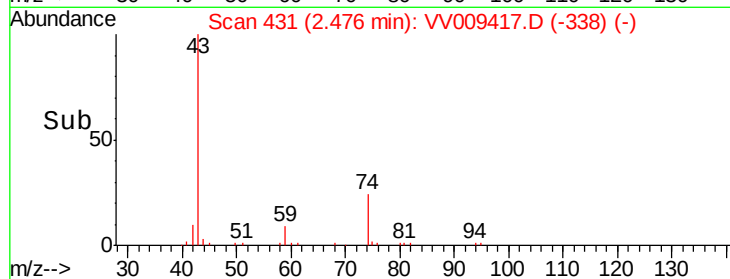
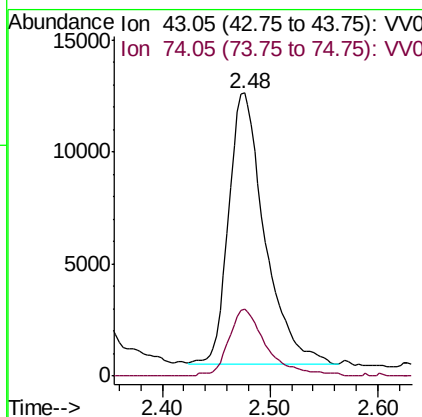
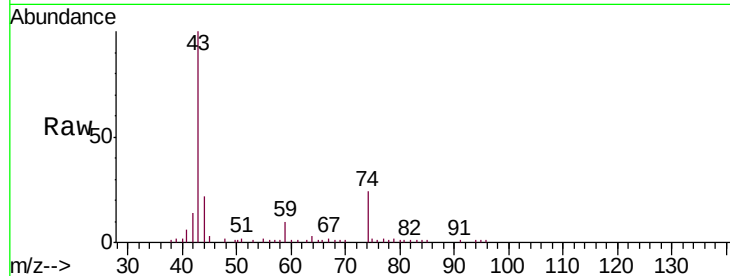




#15
Methyl Acetate
Concen: 13.338 ug/L
RT: 2.48 min Scan# 431
Delta R.T. -0.00 min
Lab File: VV009417.D
Acq: 28 Feb 2019 11:53

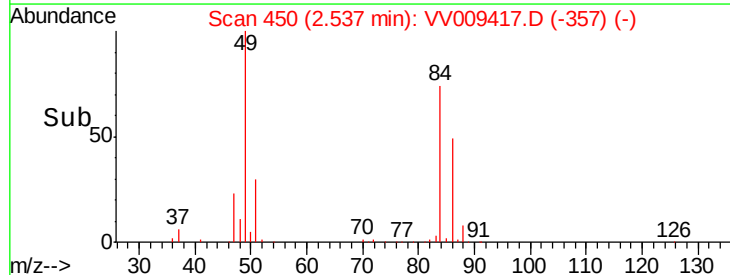
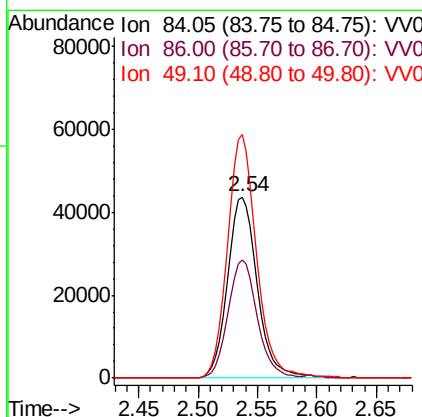
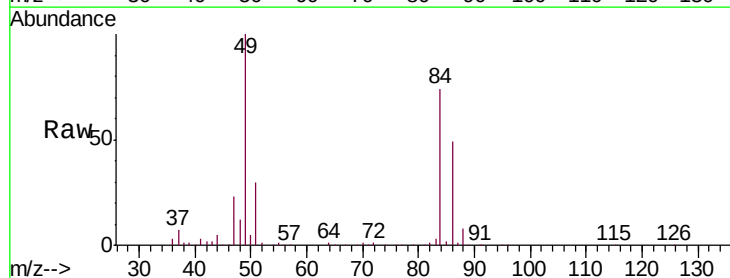
Instrument :
MSVOA_V
ClientSampleId :
VSTD01064

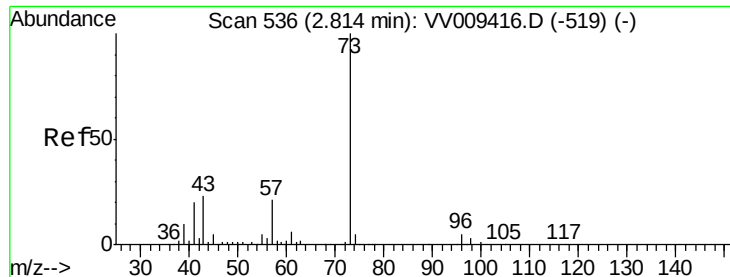
Tgt Ion: 43 Resp: 28237
Ion Ratio Lower Upper
43 100
74 26.0 20.6 30.8



#16
Methylene chloride
Concen: 11.383 ug/L
RT: 2.54 min Scan# 450
Delta R.T. -0.00 min
Lab File: VV009417.D
Acq: 28 Feb 2019 11:53

Tgt Ion: 84 Resp: 75944
Ion Ratio Lower Upper
84 100
86 65.5 42.8 79.4
49 134.3 90.6 168.2

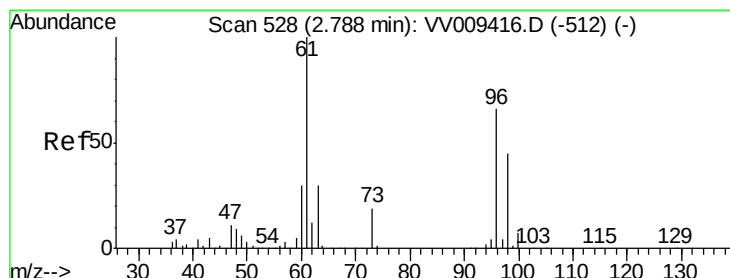
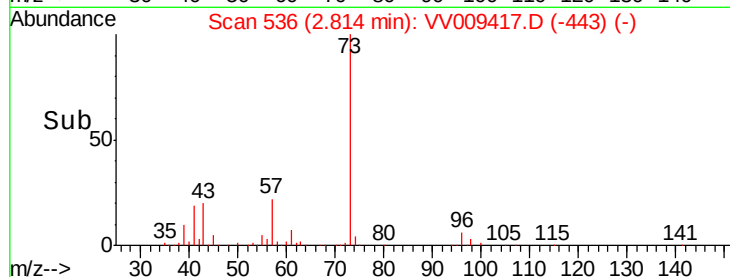
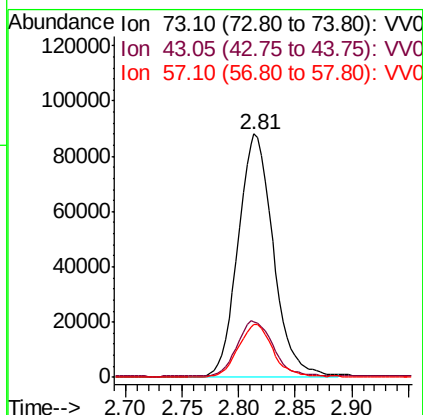
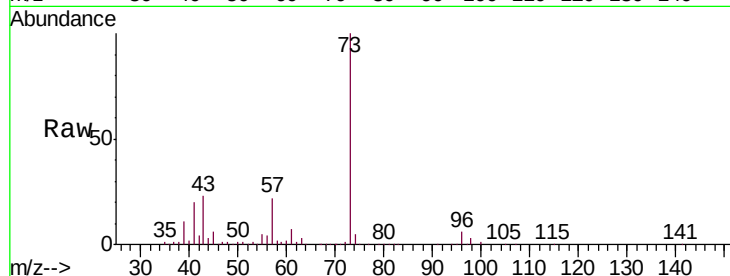




#17
Methyl tert-butyl Ether
Concen: 12.546 ug/L
RT: 2.81 min Scan# 536
Delta R.T. -0.00 min
Lab File: VV009417.D
Acq: 28 Feb 2019 11:53

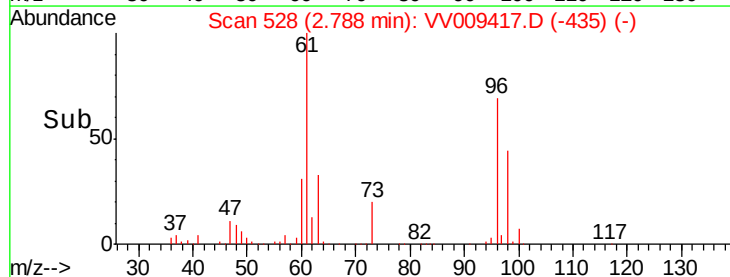
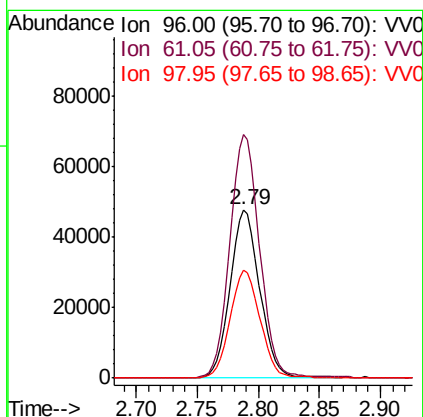
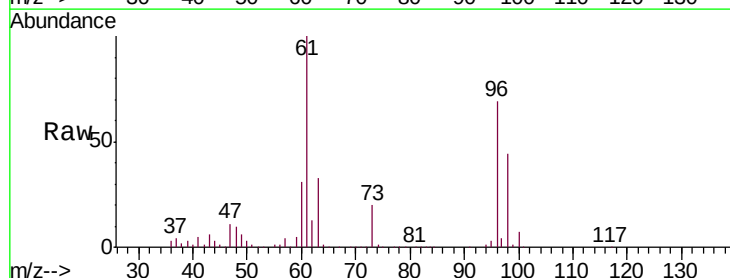
Instrument :
MSVOA_V
ClientSampleId :
VSTD01064

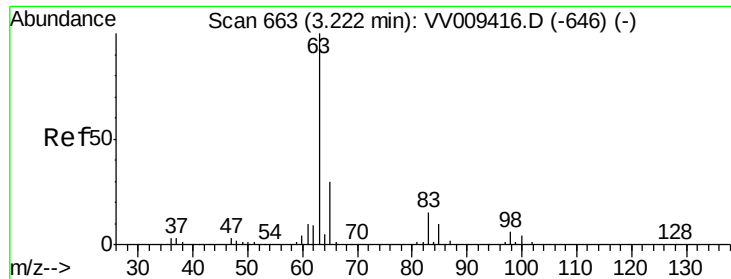
Tgt Ion: 73 Resp: 191890
Ion Ratio Lower Upper
73 100
43 23.3 18.1 27.1
57 21.1 15.8 23.8



#18
trans-1,2-Dichloroethene
Concen: 12.110 ug/L
RT: 2.79 min Scan# 528
Delta R.T. -0.00 min
Lab File: VV009417.D
Acq: 28 Feb 2019 11:53

Tgt Ion: 96 Resp: 81461
Ion Ratio Lower Upper
96 100
61 144.6 106.0 196.8
98 64.1 48.2 89.4

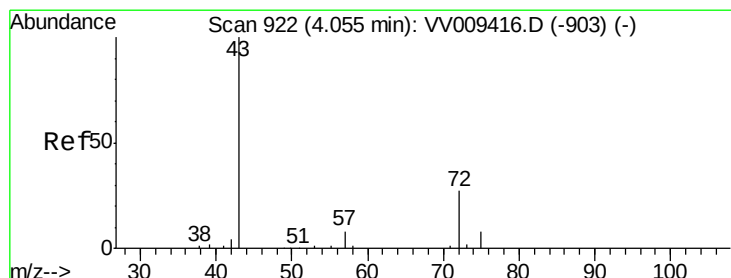
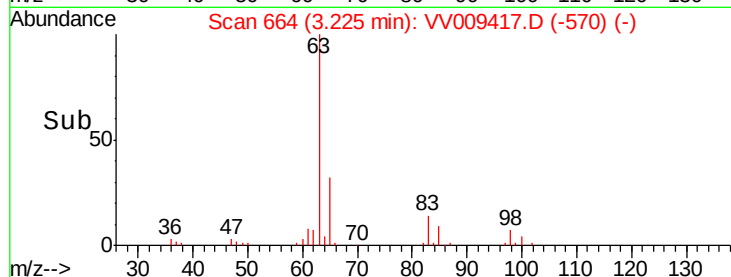
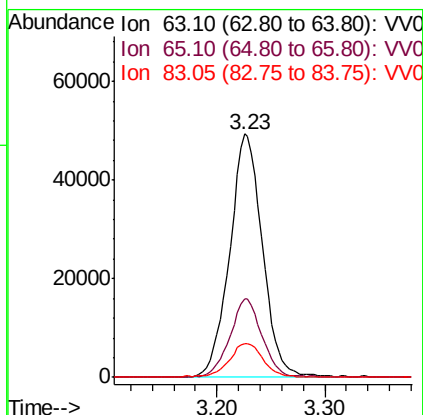
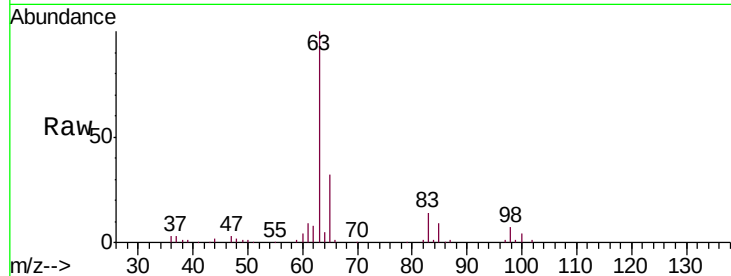




#19
 1,1-Dichloroethane
 Concen: 7.816 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. 0.00 min
 Lab File: VV009417.D
 Acq: 28 Feb 2019 11:53

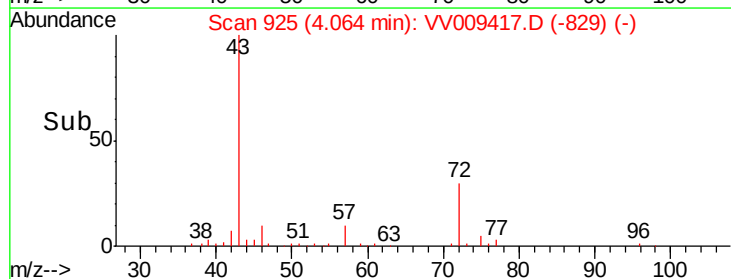
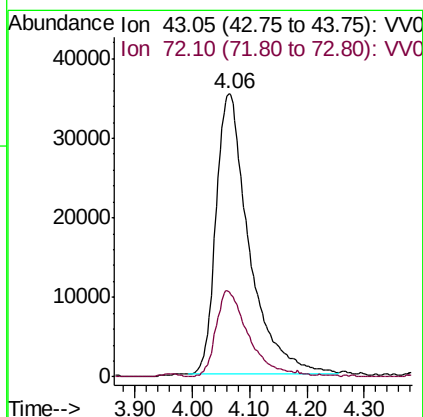
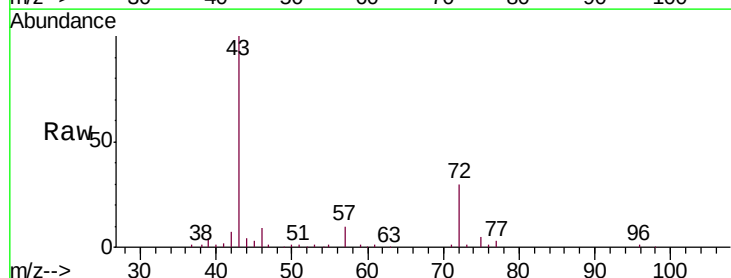
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01064

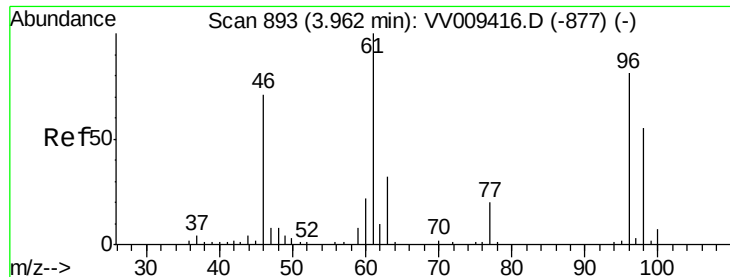
Tgt Ion: 63 Resp: 104465
 Ion Ratio Lower Upper
 63 100
 65 32.2 21.6 40.2
 83 14.0 10.4 19.4



#21
 2-Butanone
 Concen: 91.817 ug/L
 RT: 4.06 min Scan# 925
 Delta R.T. 0.01 min
 Lab File: VV009417.D
 Acq: 28 Feb 2019 11:53

Tgt Ion: 43 Resp: 142089
 Ion Ratio Lower Upper
 43 100
 72 30.2 15.4 46.1



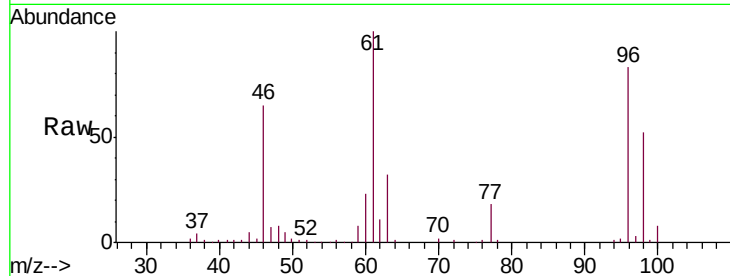


#22

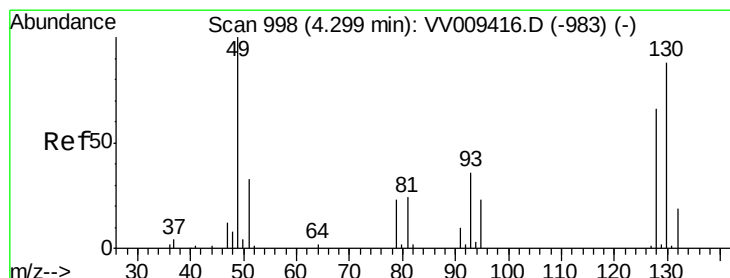
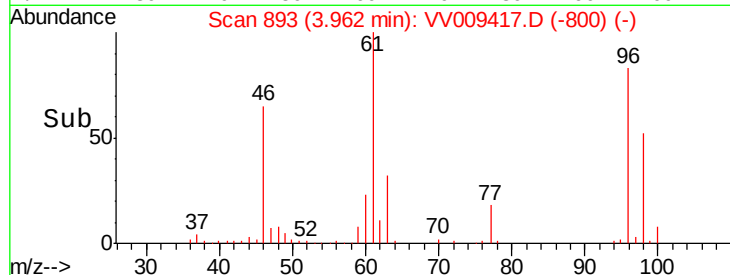
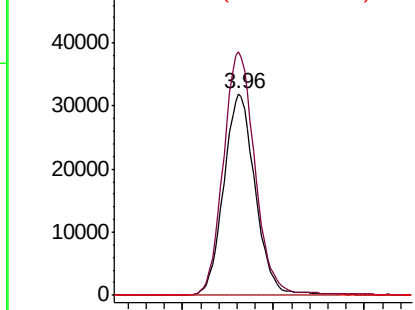
cis-1,2-Dichloroethene
 Concen: 9.245 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. -0.00 min
 Lab File: VV009417.D
 Acq: 28 Feb 2019 11:53

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01064

Tgt Ion: 96 Resp: 76749
 Ion Ratio Lower Upper
 96 100
 61 120.8 86.0 159.8
 68 0.0 0.0 0.0



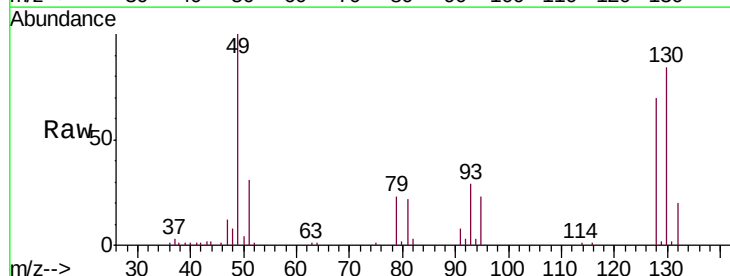
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



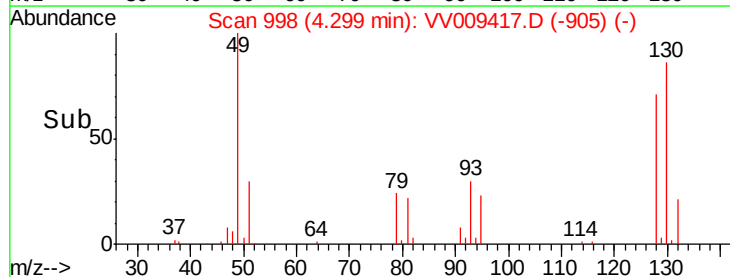
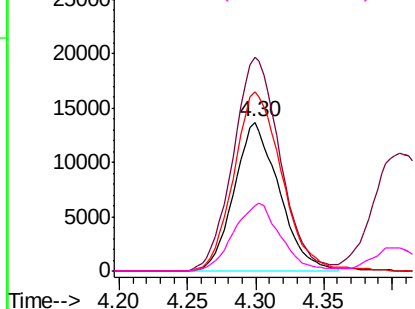
#23

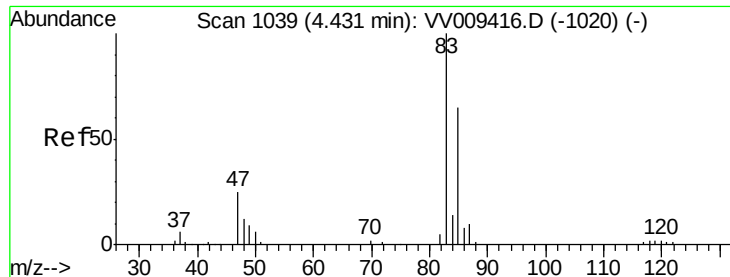
Bromochloromethane
 Concen: 8.897 ug/L
 RT: 4.30 min Scan# 998
 Delta R.T. -0.00 min
 Lab File: VV009417.D
 Acq: 28 Feb 2019 11:53

Tgt Ion: 128 Resp: 31253
 Ion Ratio Lower Upper
 128 100
 49 143.8 105.8 196.4
 130 121.0 93.2 173.0
 51 43.9 39.7 59.5



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

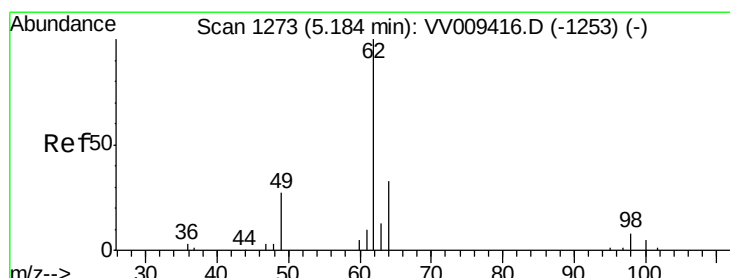
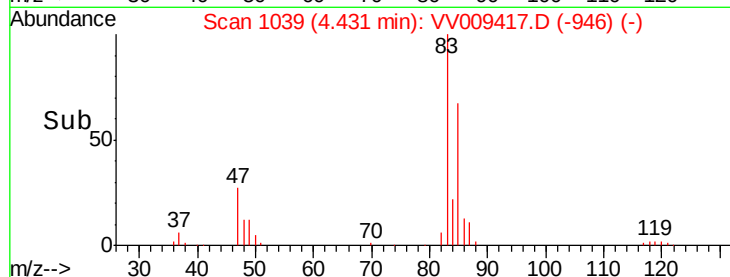
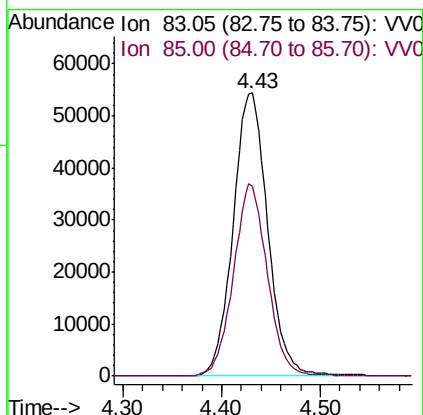
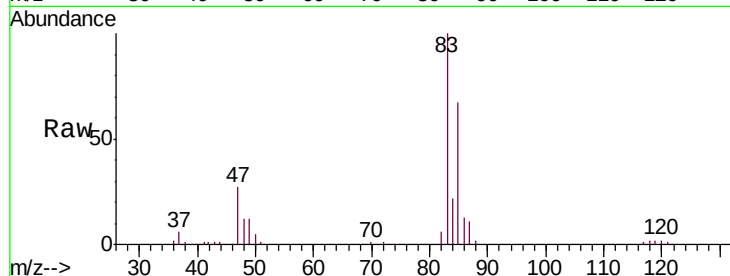




#25
Chloroform
Concen: 9.135 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. -0.00 min
Lab File: VV009417.D
Acq: 28 Feb 2019 11:53

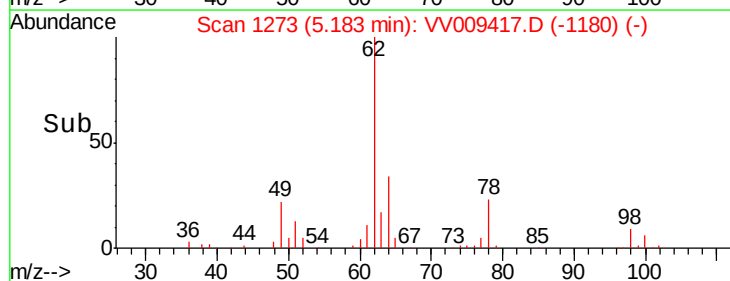
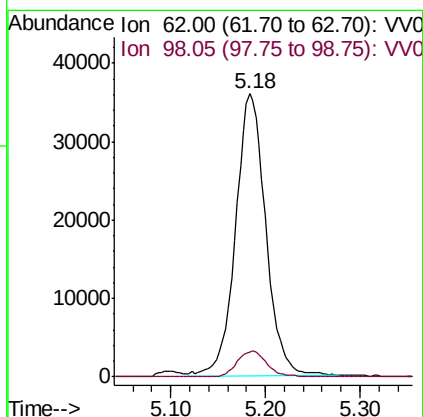
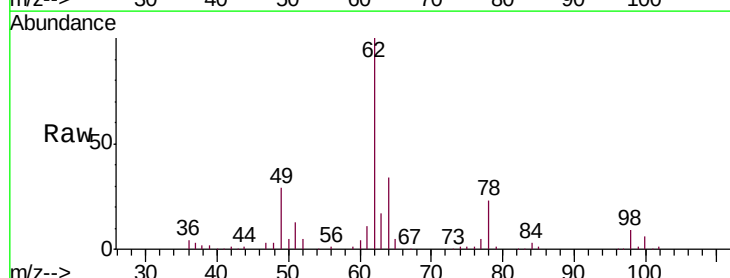
Instrument :
MSVOA_V
ClientSampleId :
VSTD01064

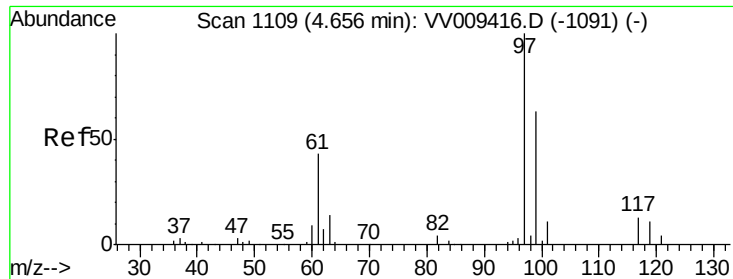
Tgt Ion: 83 Resp: 132252
Ion Ratio Lower Upper
83 100
85 67.1 45.7 84.9



#27
1,2-Dichloroethane
Concen: 9.668 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. -0.00 min
Lab File: VV009417.D
Acq: 28 Feb 2019 11:53

Tgt Ion: 62 Resp: 79935
Ion Ratio Lower Upper
62 100
98 8.9 6.6 10.0

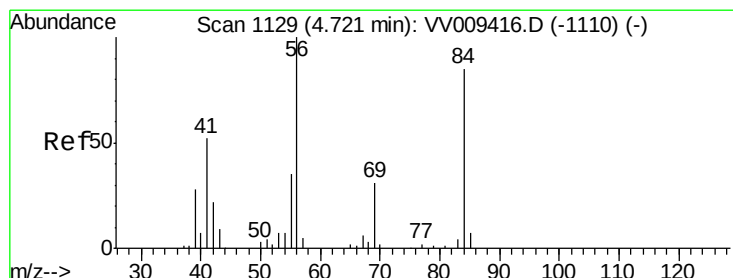
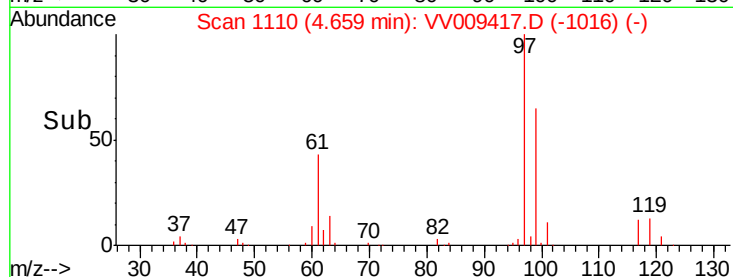
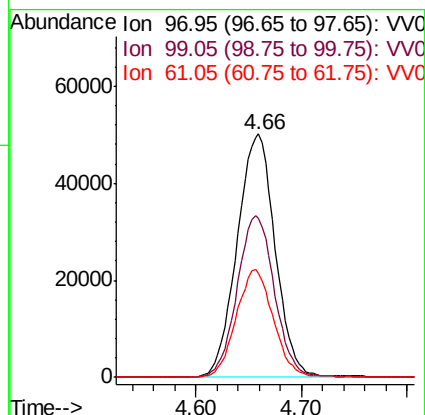
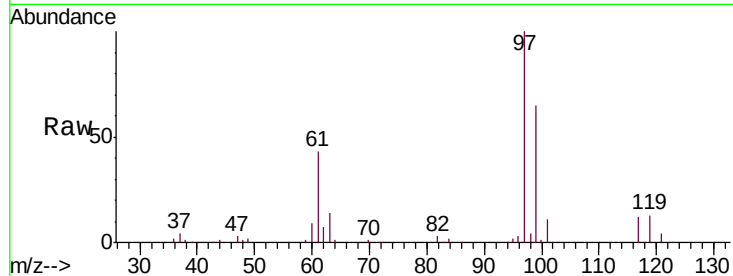




#29
 1,1,1-Trichloroethane
 Concen: 9.550 ug/L
 RT: 4.66 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VV009417.D
 Acq: 28 Feb 2019 11:53

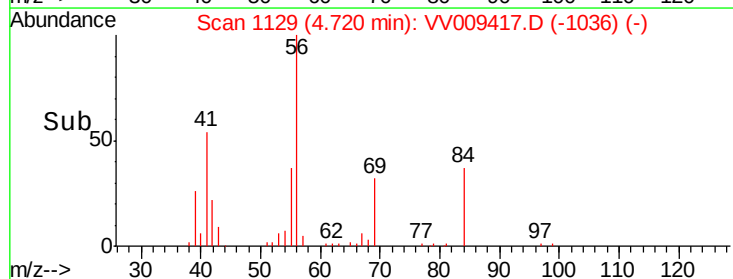
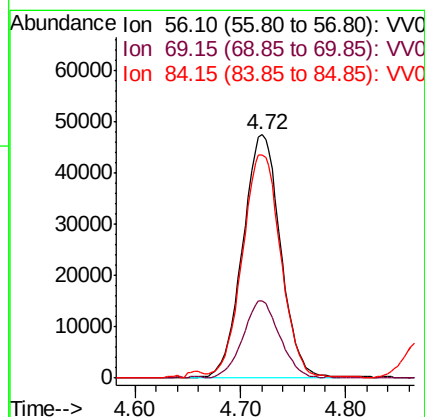
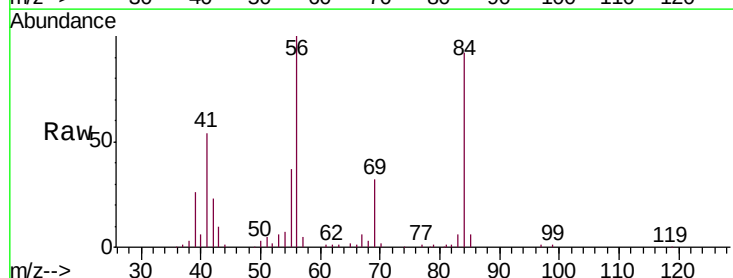
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01064

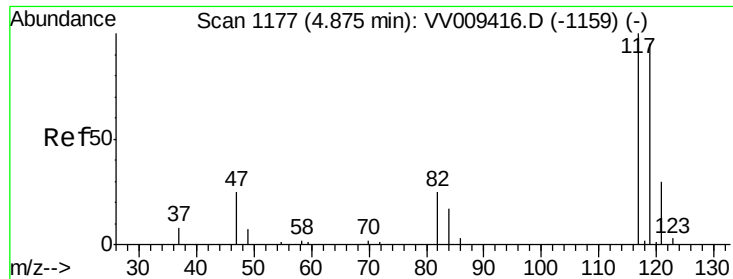
Tgt Ion: 97 Resp: 125739
 Ion Ratio Lower Upper
 97 100
 99 65.2 50.5 75.7
 61 43.4 35.1 52.7



#30
 Cyclohexane
 Concen: 9.362 ug/L
 RT: 4.72 min Scan# 1129
 Delta R.T. -0.00 min
 Lab File: VV009417.D
 Acq: 28 Feb 2019 11:53

Tgt Ion: 56 Resp: 118642
 Ion Ratio Lower Upper
 56 100
 69 30.9 25.2 37.8
 84 92.5 71.5 107.3





#31

Carbon tetrachloride

Concen: 8.911 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VV009417.D

Acq: 28 Feb 2019 11:53

Instrument :

MSVOA_V

ClientSampleId :

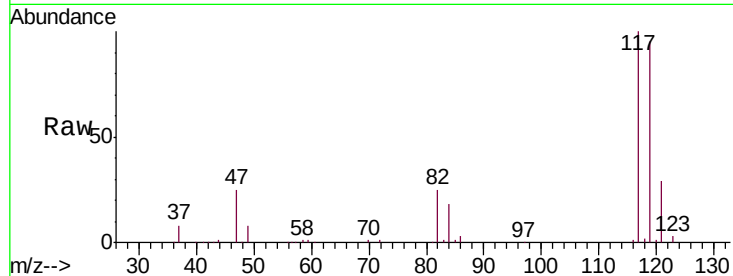
VSTD01064

Tgt Ion:117 Resp: 103920

Ion Ratio Lower Upper

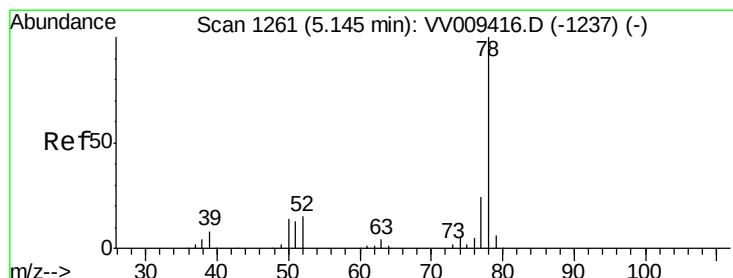
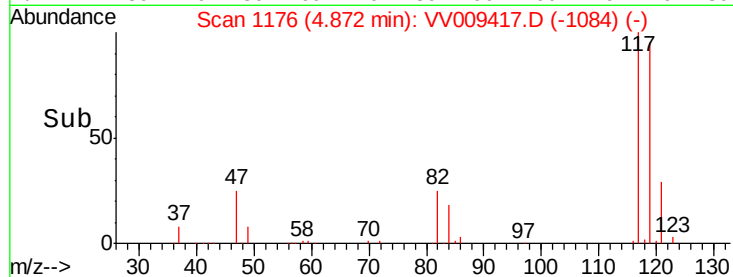
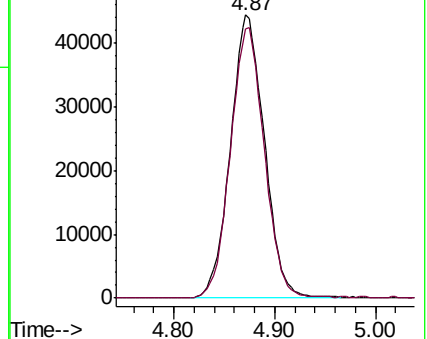
117 100

119 95.2 76.9 115.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 9.244 ug/L

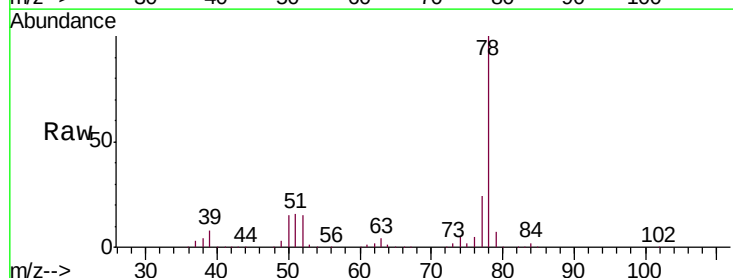
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

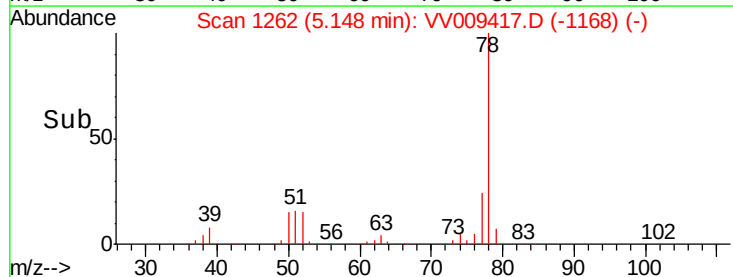
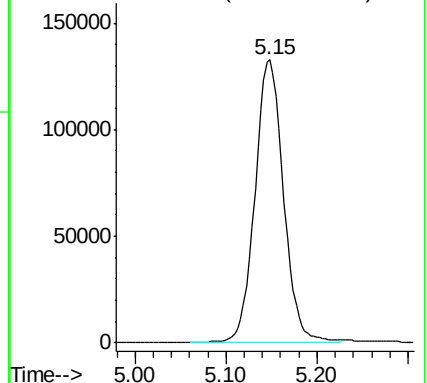
Lab File: VV009417.D

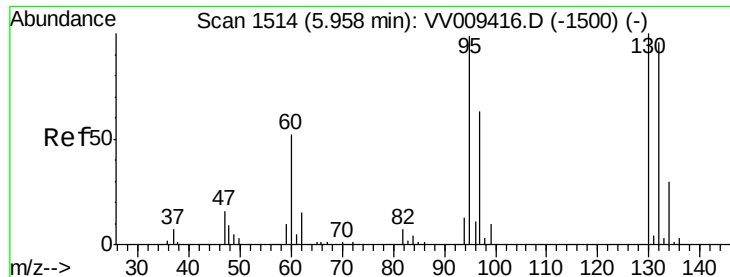
Acq: 28 Feb 2019 11:53

Tgt Ion: 78 Resp: 290251



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 8.908 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV009417.D

Acq: 28 Feb 2019 11:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD01064

Tgt Ion: 95 Resp: 81237

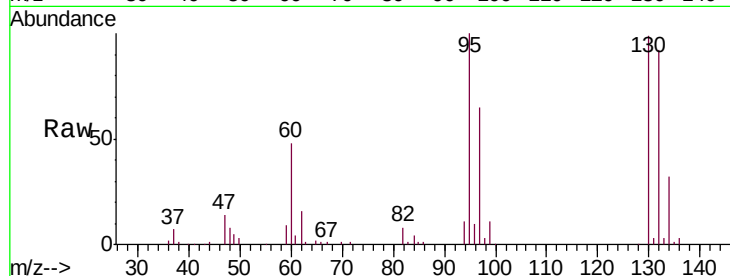
Ion Ratio Lower Upper

95 100

97 64.7 44.2 82.2

132 92.1 67.8 126.0

130 98.7 70.4 130.8

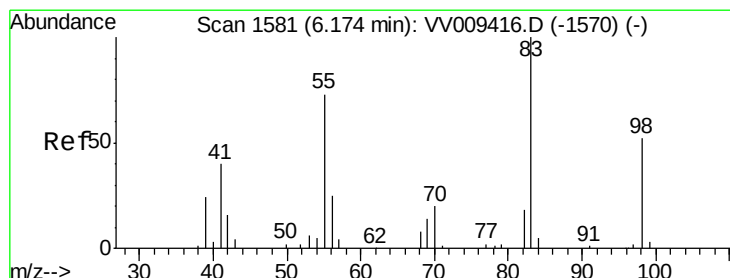
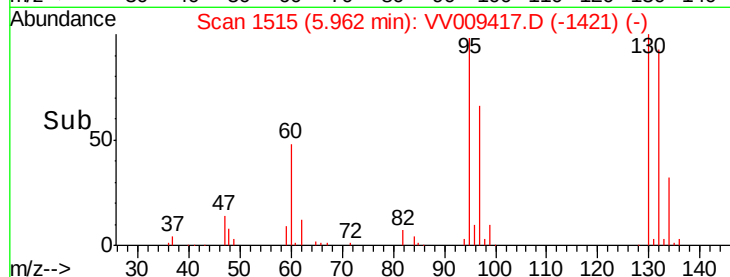
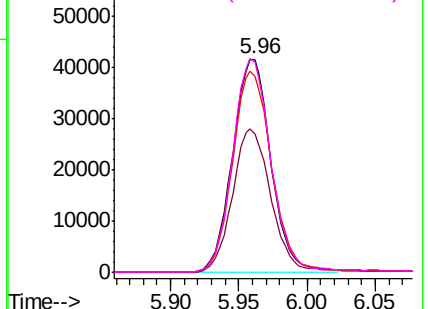


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 9.208 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VV009417.D

Acq: 28 Feb 2019 11:53

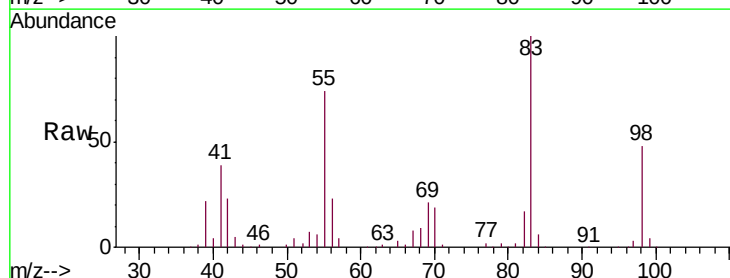
Tgt Ion: 83 Resp: 132334

Ion Ratio Lower Upper

83 100

55 71.4 59.8 89.8

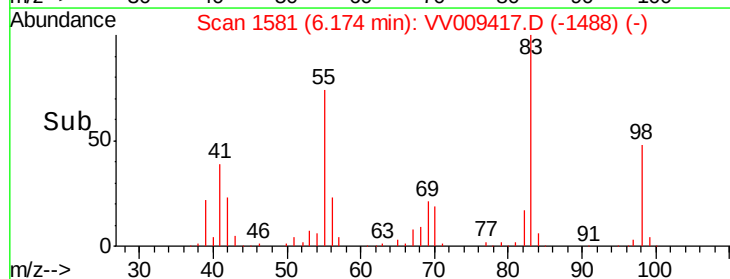
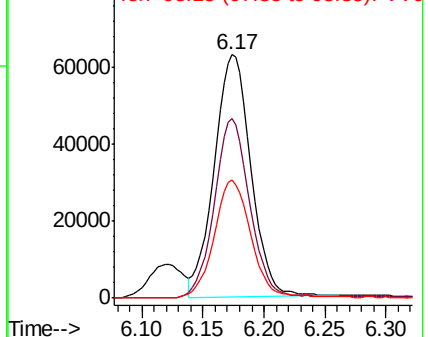
98 48.6 39.9 59.9

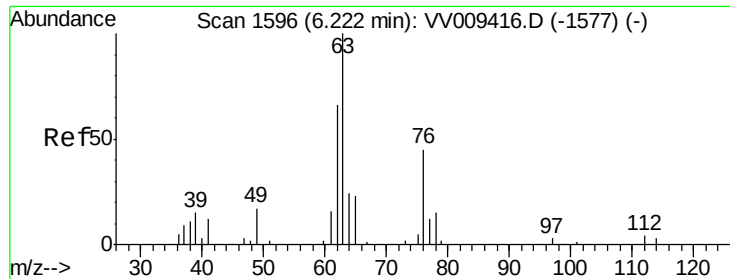


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

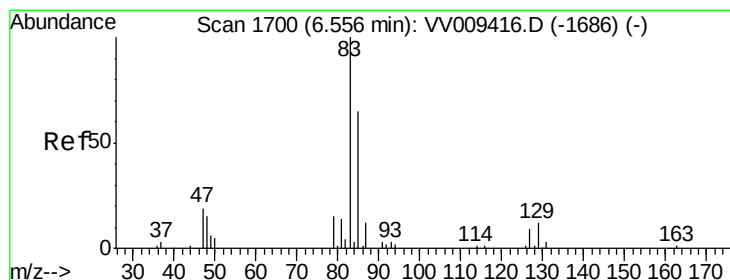
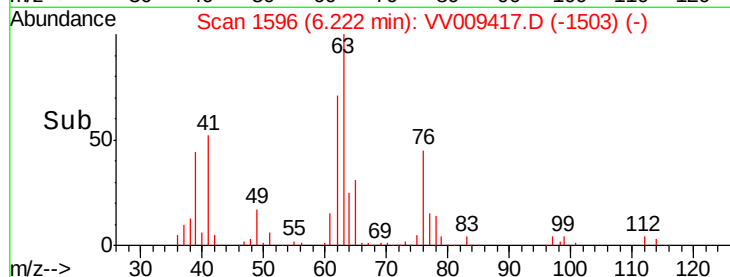
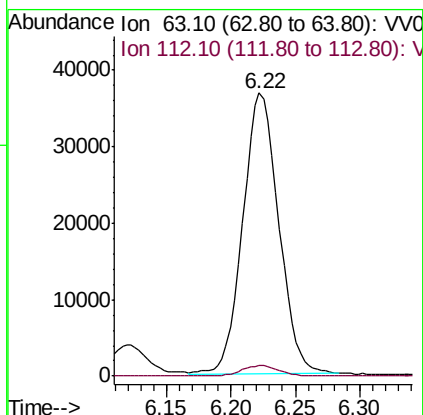
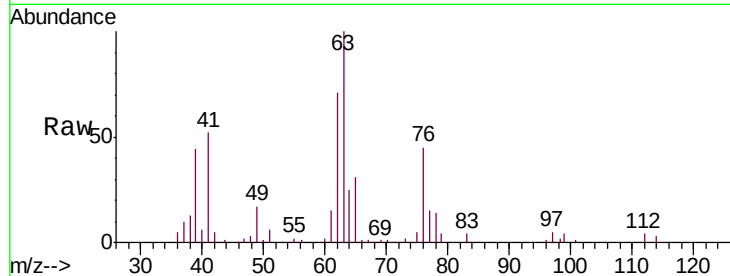




#37
 1,2-Dichloropropane
 Concen: 9.380 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. -0.00 min
 Lab File: VV009417.D
 Acq: 28 Feb 2019 11:53

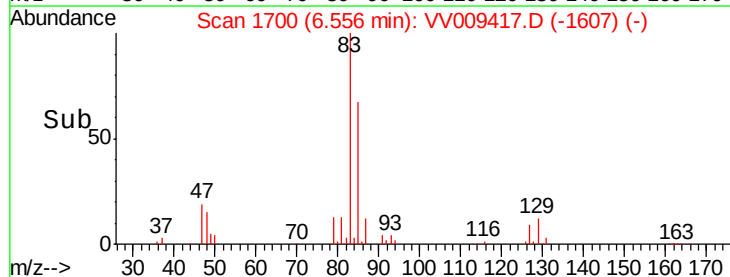
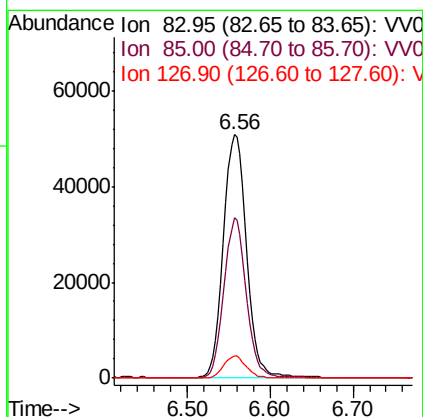
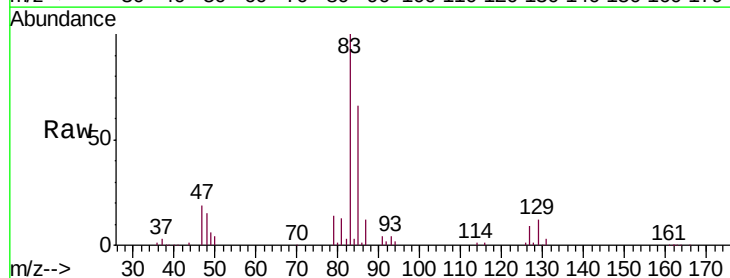
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01064

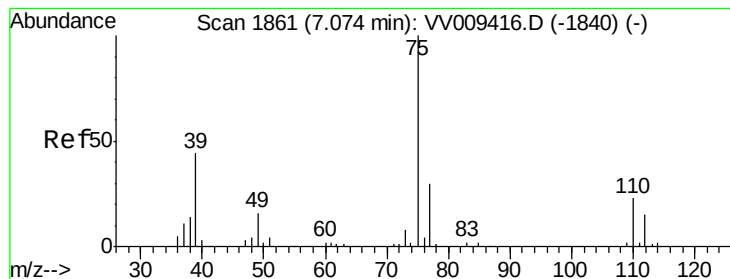
Tgt Ion: 63 Resp: 71751
 Ion Ratio Lower Upper
 63 100
 112 3.8 3.1 4.7



#38
 Bromodichloromethane
 Concen: 10.200 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. -0.00 min
 Lab File: VV009417.D
 Acq: 28 Feb 2019 11:53

Tgt Ion: 83 Resp: 99505
 Ion Ratio Lower Upper
 83 100
 85 65.8 45.2 84.0
 127 9.2 7.1 10.7



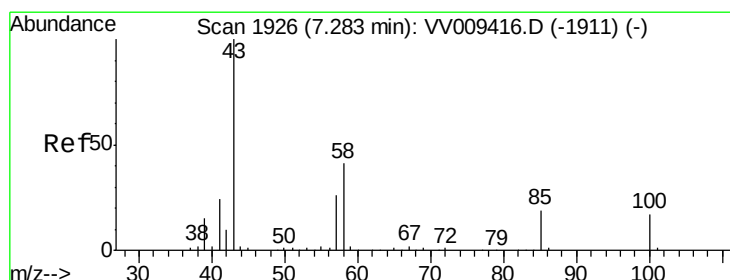
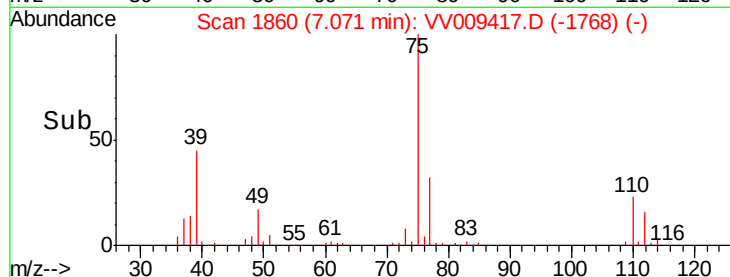
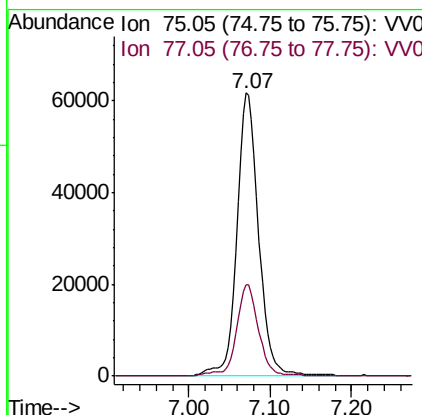
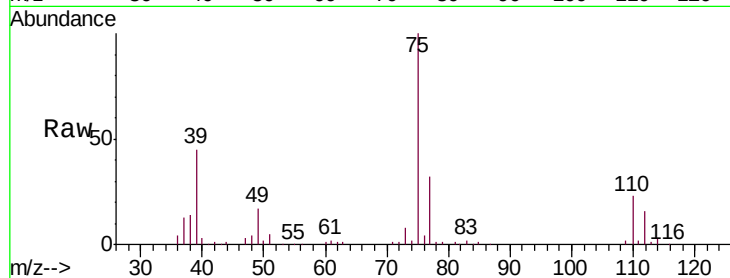


#39

cis-1,3-Dichloropropene
 Concen: 10.330 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VV009417.D
 Acq: 28 Feb 2019 11:53

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01064

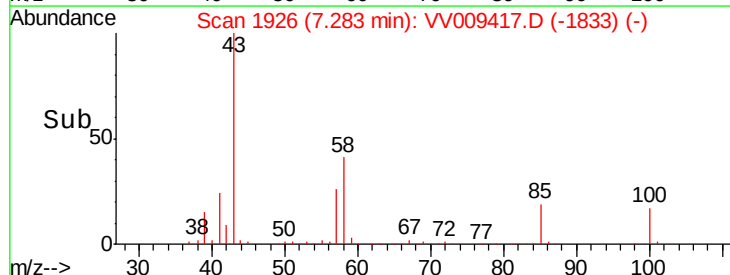
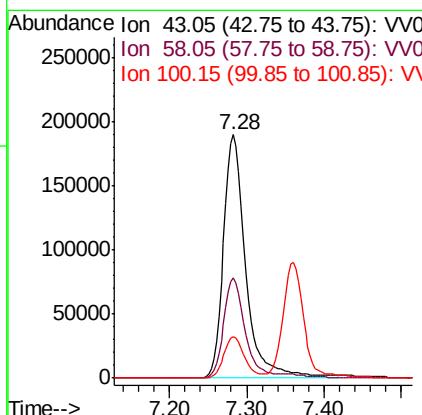
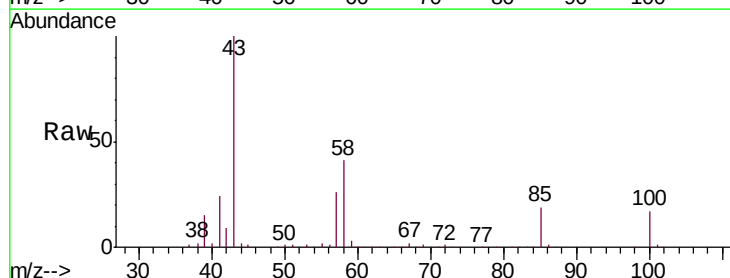
Tgt Ion: 75 Resp: 114460
 Ion Ratio Lower Upper
 75 100
 77 32.5 21.1 39.1

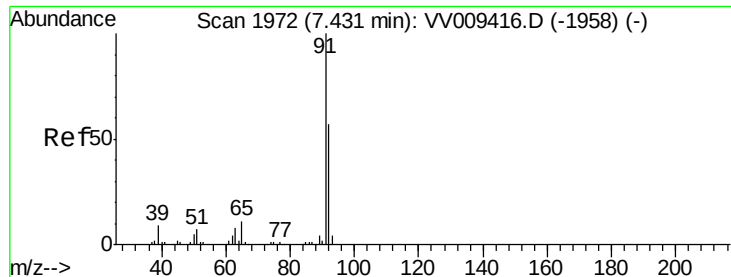


#40

4-Methyl-2-pentanone
 Concen: 97.122 ug/L
 RT: 7.28 min Scan# 1926
 Delta R.T. -0.00 min
 Lab File: VV009417.D
 Acq: 28 Feb 2019 11:53

Tgt Ion: 43 Resp: 381765
 Ion Ratio Lower Upper
 43 100
 58 39.7 32.7 49.1
 100 15.9 12.4 18.6





#42

Toluene

Concen: 9.892 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV009417.D

Acq: 28 Feb 2019 11:53

Instrument :

MSVOA_V

ClientSampleId :

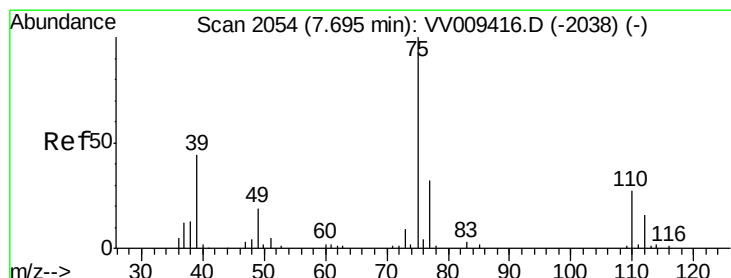
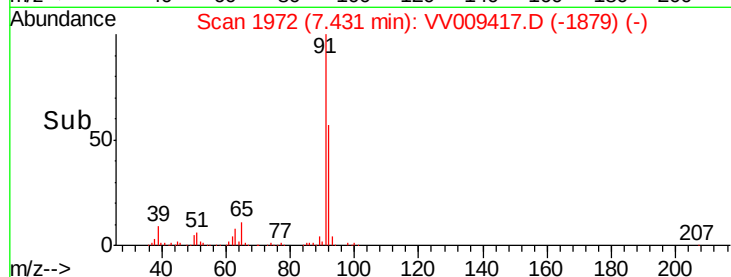
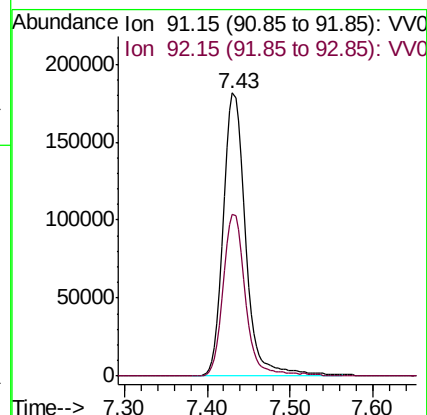
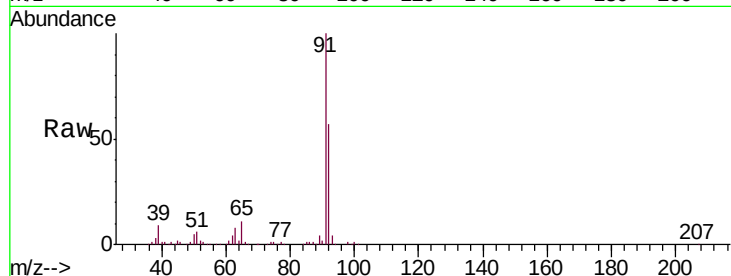
VSTD01064

Tgt Ion: 91 Resp: 339203

Ion Ratio Lower Upper

91 100

92 57.1 39.8 73.8



#44

trans-1,3-Dichloropropene

Concen: 10.841 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. -0.00 min

Lab File: VV009417.D

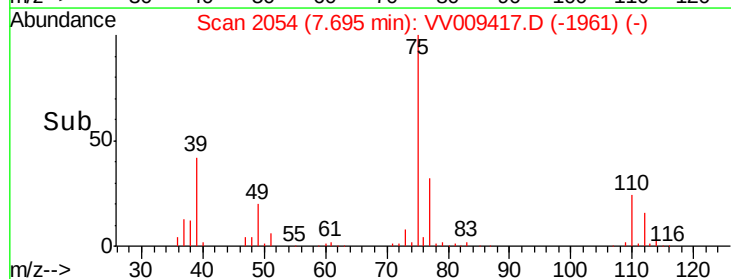
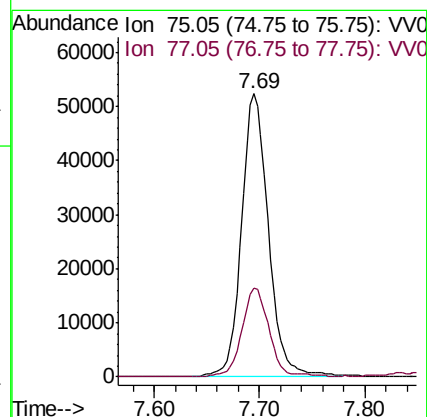
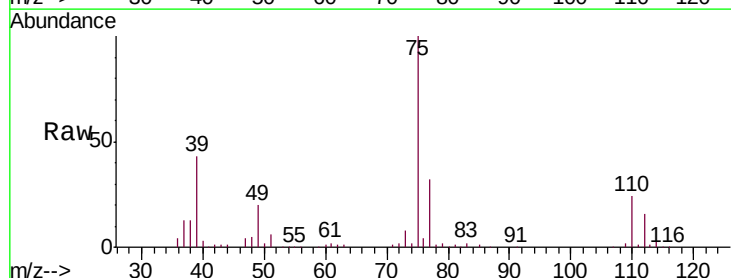
Acq: 28 Feb 2019 11:53

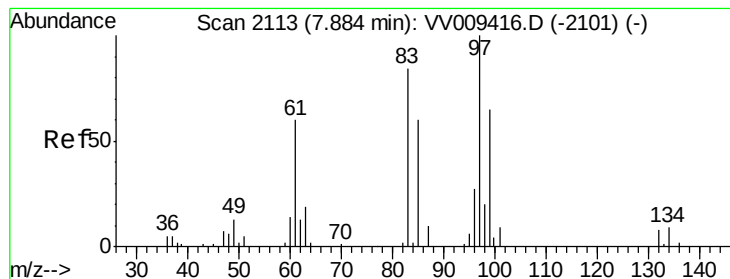
Tgt Ion: 75 Resp: 92888

Ion Ratio Lower Upper

75 100

77 31.5 22.2 41.2





#45

1,1,2-Trichloroethane

Concen: 9.437 ug/L

RT: 7.88 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VV009417.D

Acq: 28 Feb 2019 11:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD01064

Tgt Ion: 97 Resp: 51278

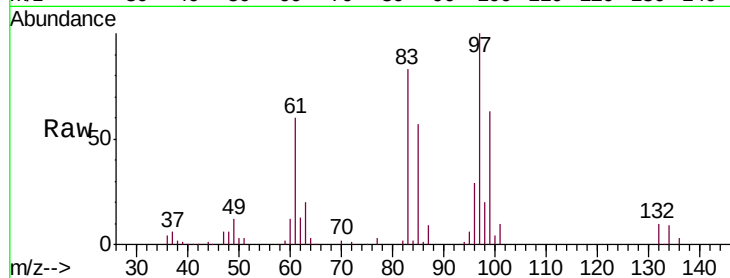
Ion Ratio Lower Upper

97 100

99 63.2 45.4 84.4

83 83.0 58.8 109.2

85 56.7 41.9 77.7

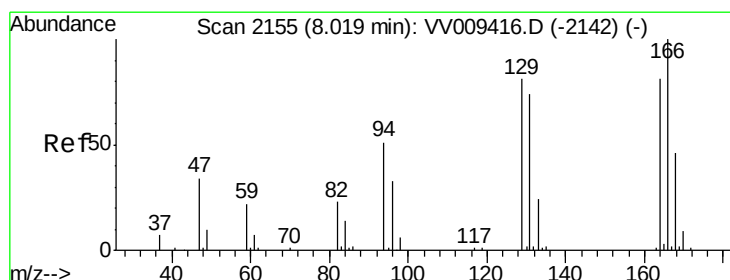
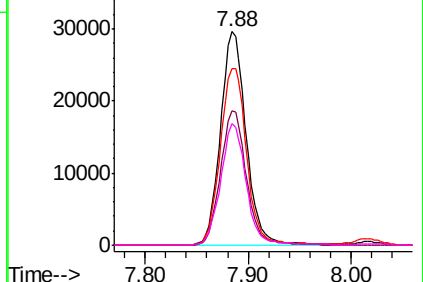
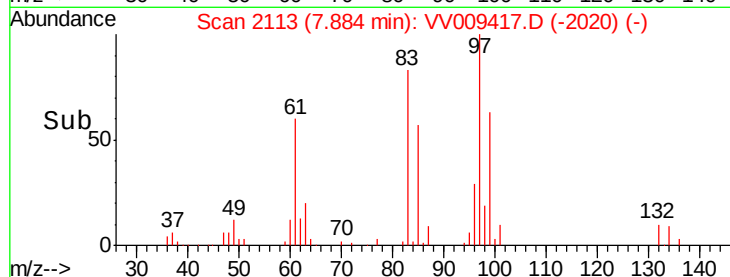


Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47

Tetrachloroethene

Concen: 8.976 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. -0.00 min

Lab File: VV009417.D

Acq: 28 Feb 2019 11:53

Tgt Ion: 164 Resp: 65093

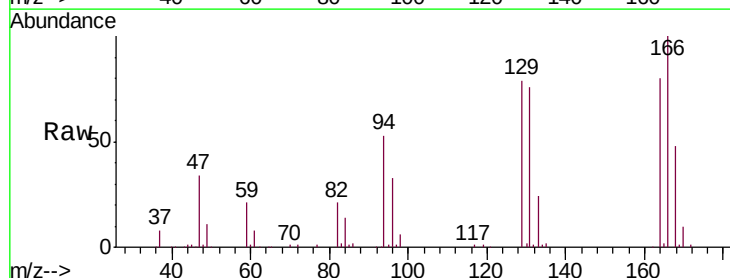
Ion Ratio Lower Upper

164 100

129 98.9 69.3 128.7

131 94.6 64.0 118.8

166 124.9 86.0 159.6

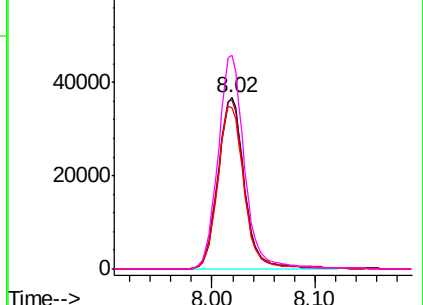
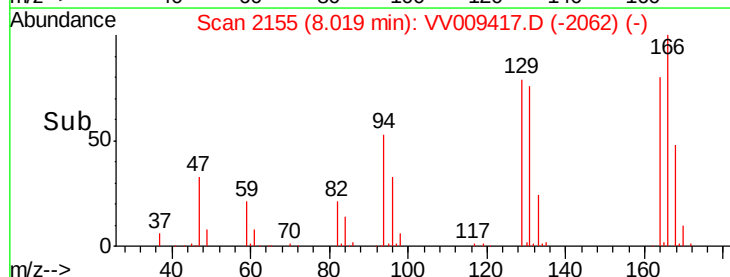


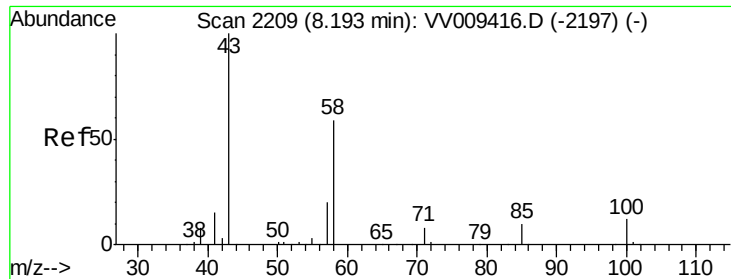
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

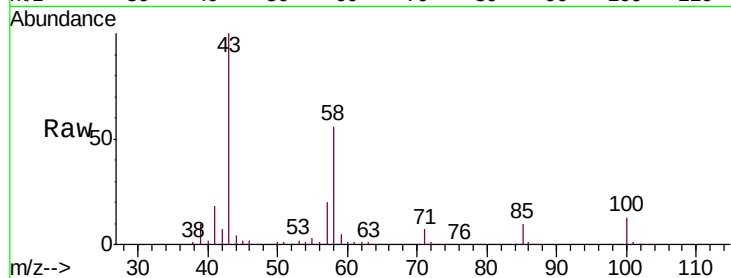




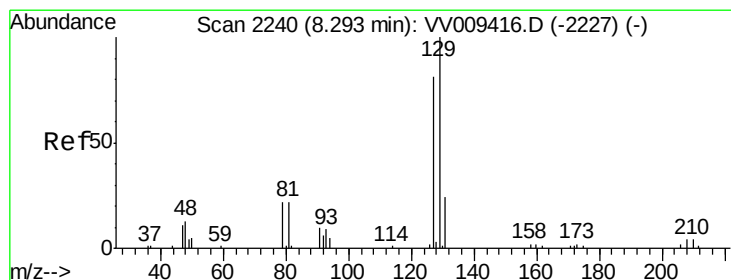
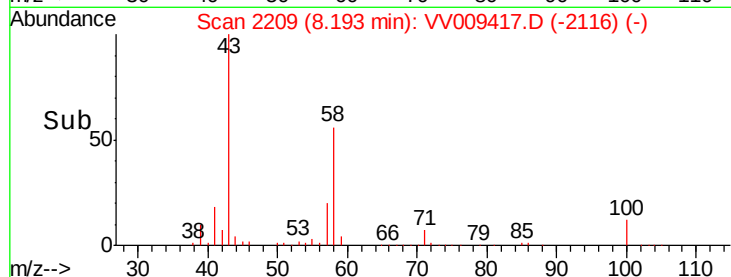
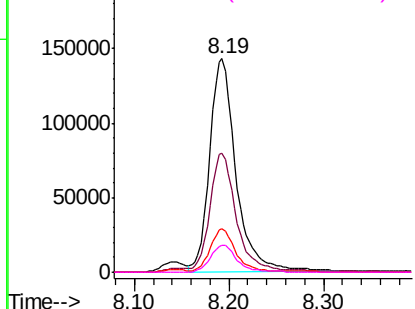
#48
2-Hexanone
Concen: 99.649 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VV009417.D
Acq: 28 Feb 2019 11:53

Instrument :
MSVOA_V
ClientSampleId :
VSTD01064

Tgt Ion:	43	Resp:	275285
Ion	Ratio	Lower	Upper
43	100		
58	53.1	45.2	67.8
57	19.4	16.0	24.0
100	12.9	10.2	15.4

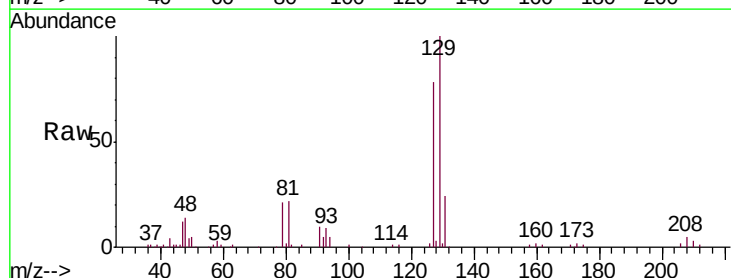


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

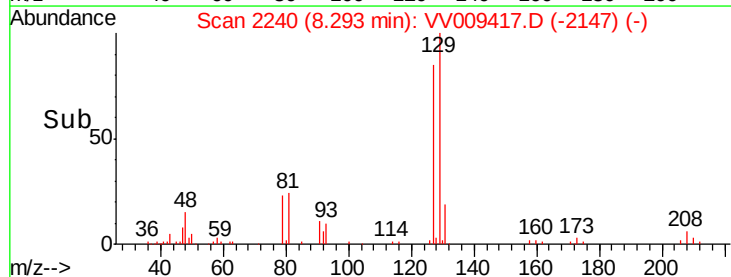
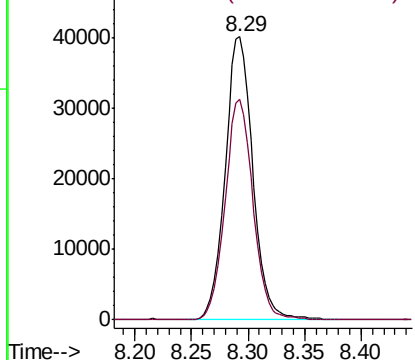


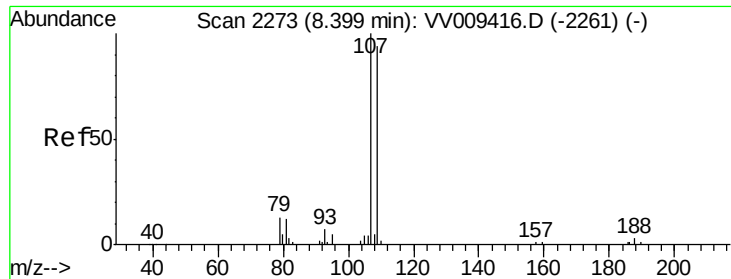
#49
Dibromochloromethane
Concen: 10.655 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VV009417.D
Acq: 28 Feb 2019 11:53

Tgt Ion:	129	Resp:	68682
Ion	Ratio	Lower	Upper
129	100		
127	77.8	56.6	105.2



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

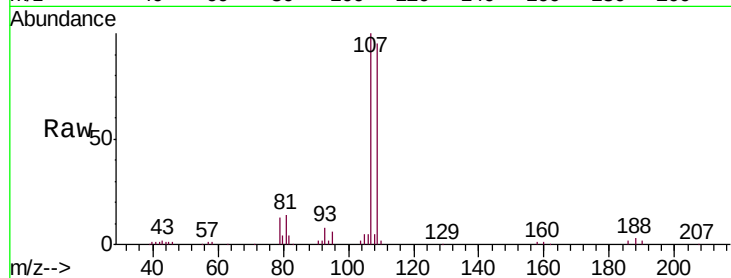




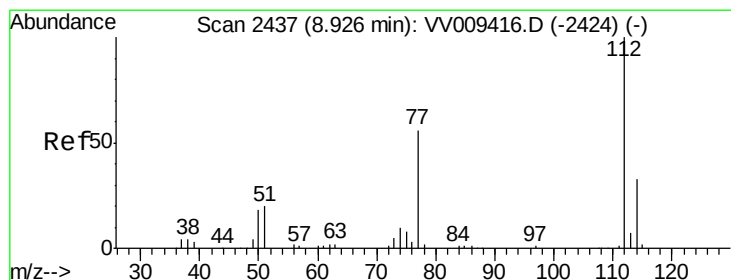
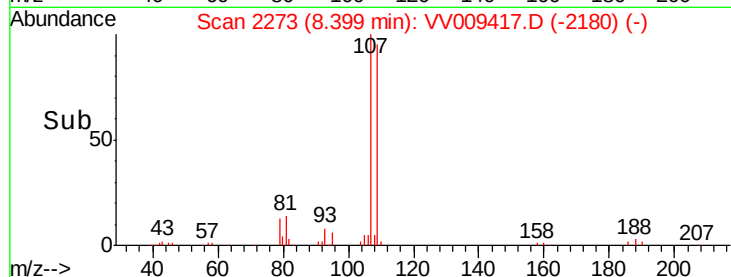
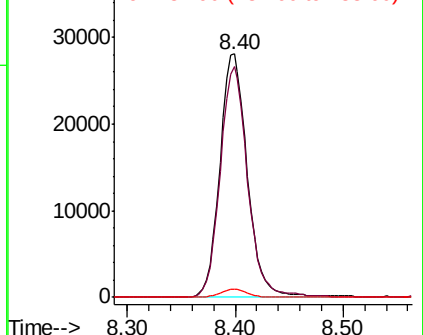
#50
 1,2-Dibromoethane
 Concen: 9.756 ug/L
 RT: 8.40 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VV009417.D
 Acq: 28 Feb 2019 11:53

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01064

Tgt Ion:107 Resp: 49758
 Ion Ratio Lower Upper
 107 100
 109 94.9 65.7 121.9
 188 3.4 2.4 3.6

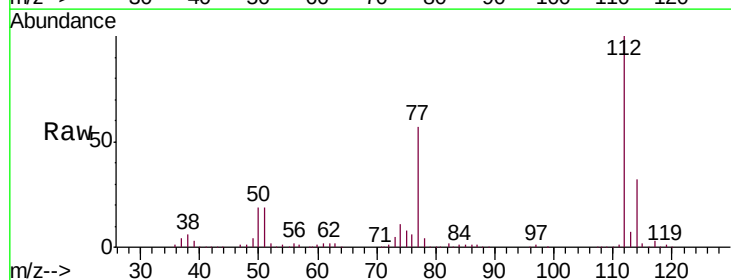


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

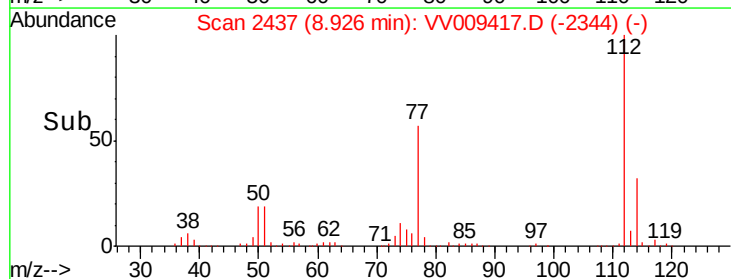
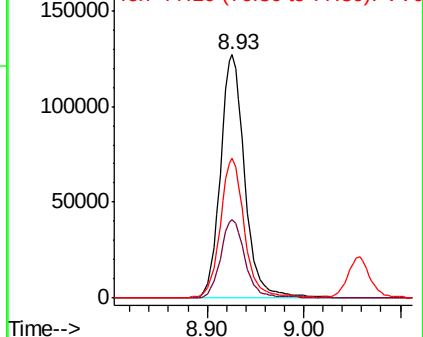


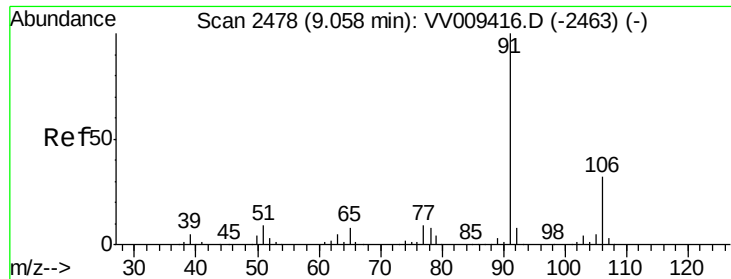
#51
 Chlorobenzene
 Concen: 9.766 ug/L
 RT: 8.93 min Scan# 2437
 Delta R.T. -0.00 min
 Lab File: VV009417.D
 Acq: 28 Feb 2019 11:53

Tgt Ion:112 Resp: 221031
 Ion Ratio Lower Upper
 112 100
 114 32.0 23.2 43.2
 77 57.3 45.7 68.5



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: 10.271 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. -0.00 min

Lab File: VV009417.D

Acq: 28 Feb 2019 11:53

Instrument :

MSVOA_V

ClientSampleId :

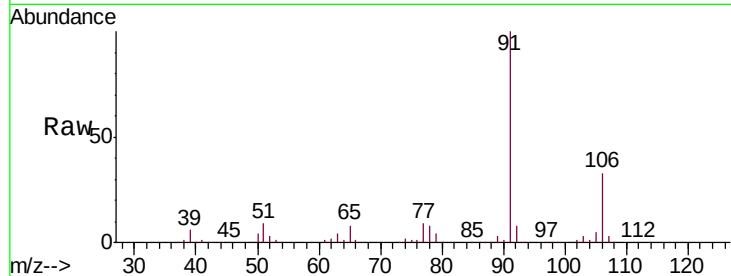
VSTD01064

Tgt Ion: 91 Resp: 388563

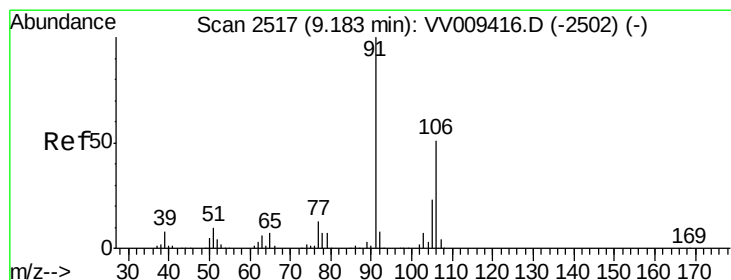
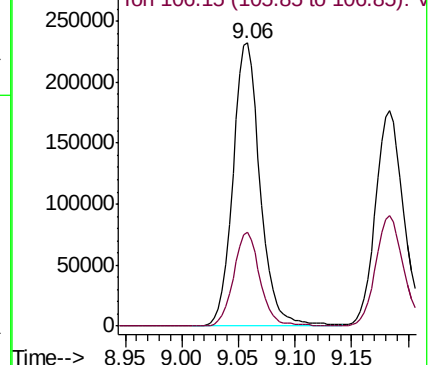
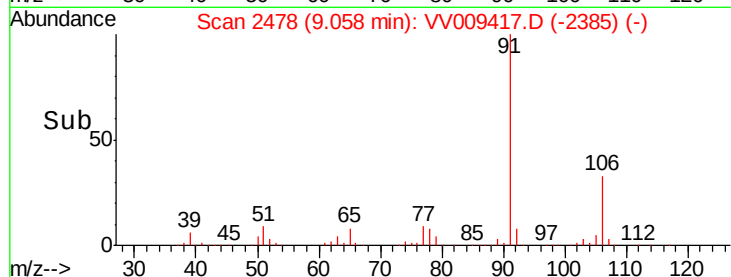
Ion Ratio Lower Upper

91 100

106 33.0 22.2 41.2



Abundance Ion 91.15 (90.85 to 91.85): VV009417.D (-2385) (-)



#53

m,p-xylene

Concen: 10.782 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV009417.D

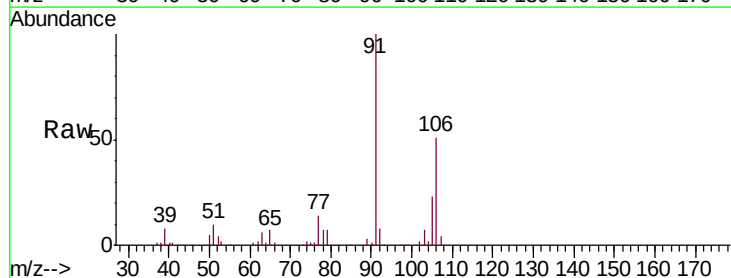
Acq: 28 Feb 2019 11:53

Tgt Ion: 106 Resp: 156760

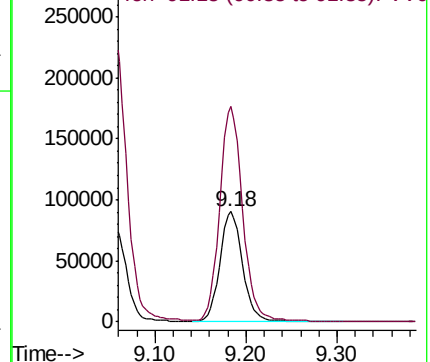
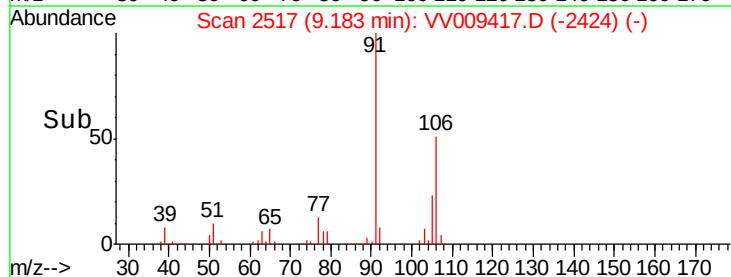
Ion Ratio Lower Upper

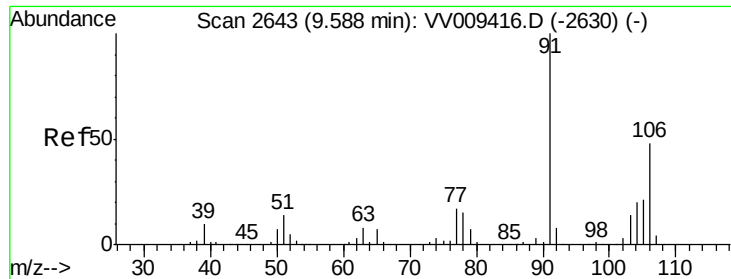
106 100

91 195.4 138.9 258.1



Abundance Ion 106.15 (105.85 to 106.85): VV009417.D (-2424) (-)





#54

o-xylene

Concen: 10.747 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. -0.00 min

Lab File: VV009417.D

Acq: 28 Feb 2019 11:53

Instrument :

MSVOA_V

ClientSampleId :

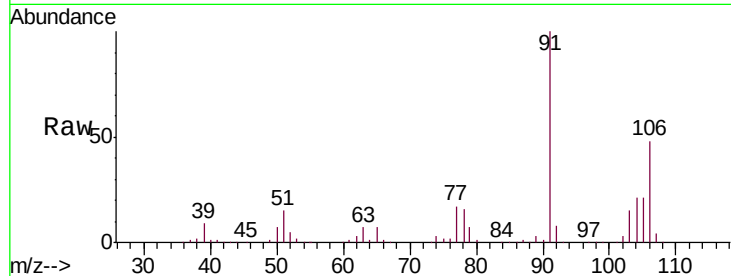
VSTD01064

Tgt Ion:106 Resp: 149830

Ion Ratio Lower Upper

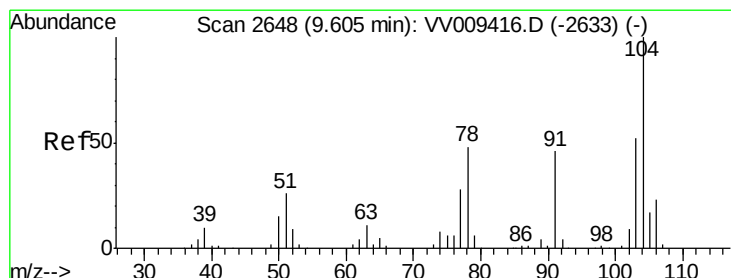
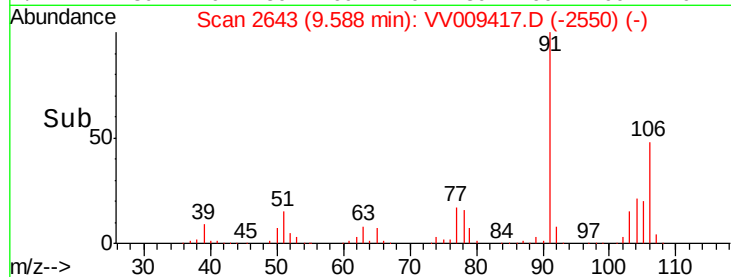
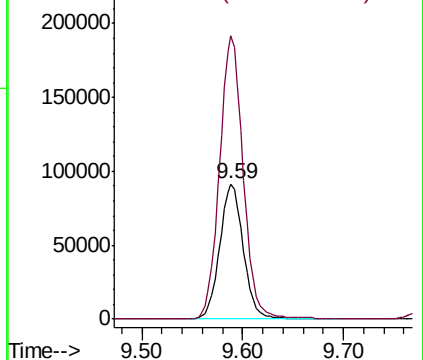
106 100

91 209.3 146.3 271.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 10.722 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. -0.00 min

Lab File: VV009417.D

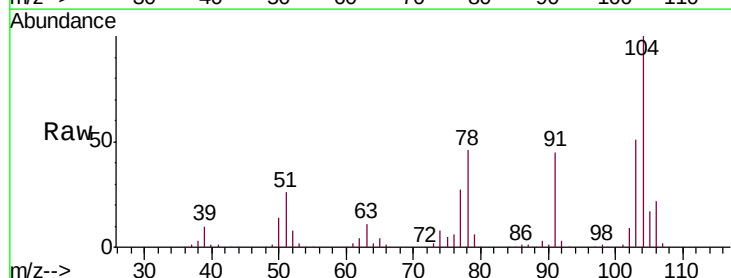
Acq: 28 Feb 2019 11:53

Tgt Ion:104 Resp: 244518

Ion Ratio Lower Upper

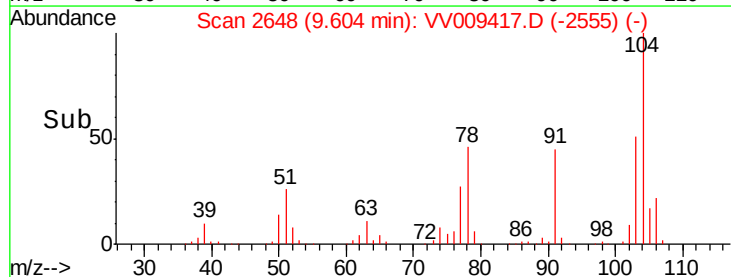
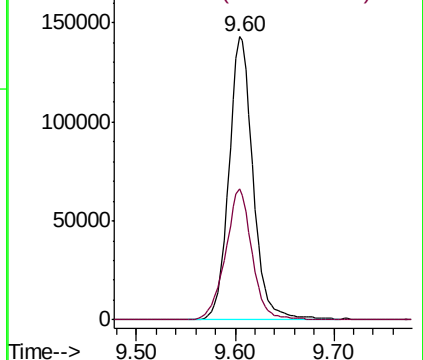
104 100

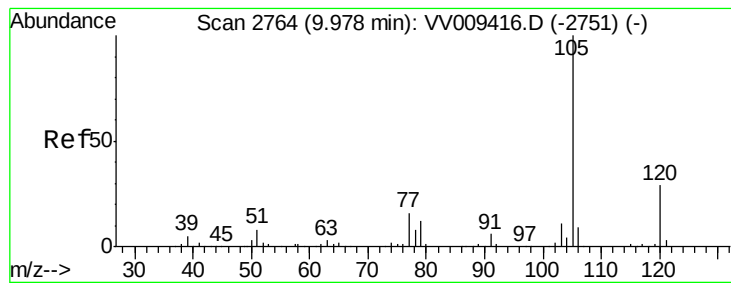
78 46.1 33.4 62.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 10.591 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. -0.00 min

Lab File: VV009417.D

Acq: 28 Feb 2019 11:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD01064

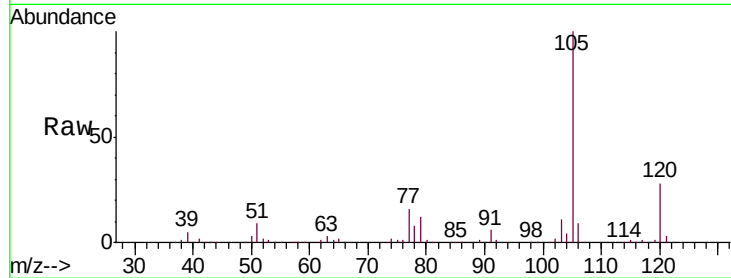
Tgt Ion: 105 Resp: 397008

Ion Ratio Lower Upper

105 100

120 27.3 22.1 33.1

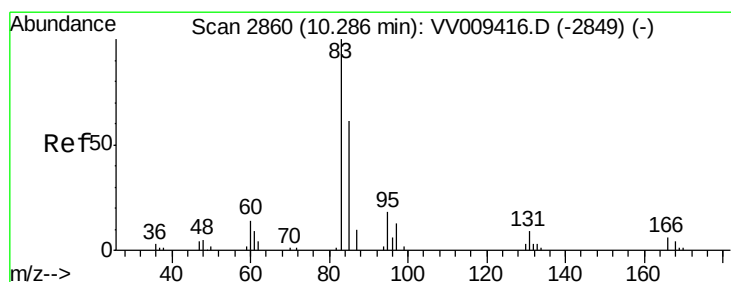
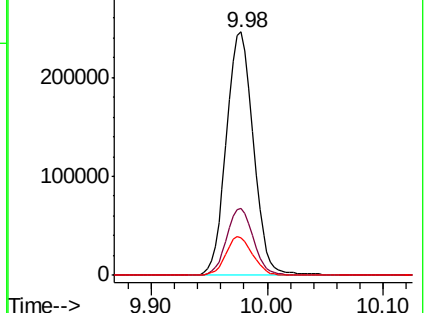
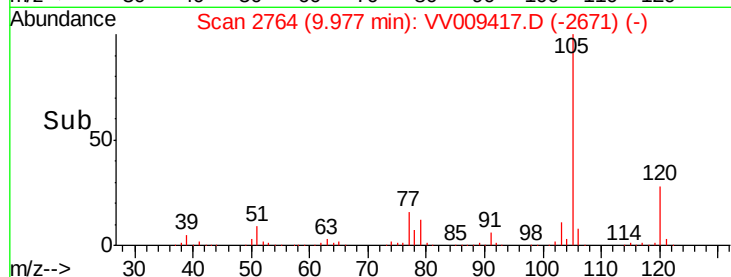
77 15.5 12.8 19.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 11.142 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV009417.D

Acq: 28 Feb 2019 11:53

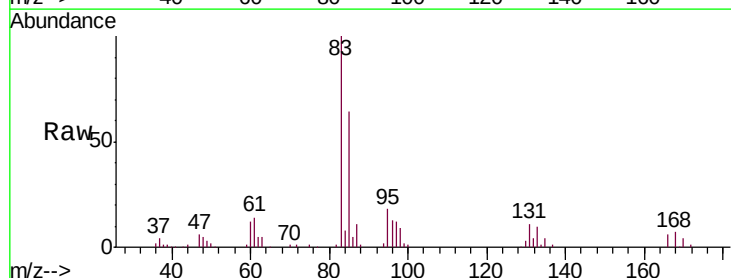
Tgt Ion: 83 Resp: 62971

Ion Ratio Lower Upper

83 100

85 63.6 43.4 80.6

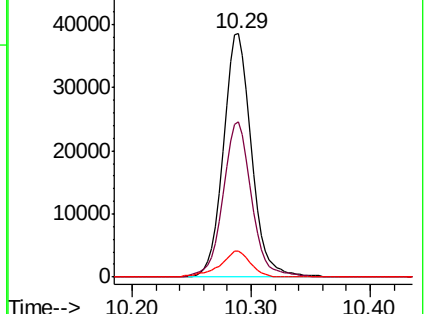
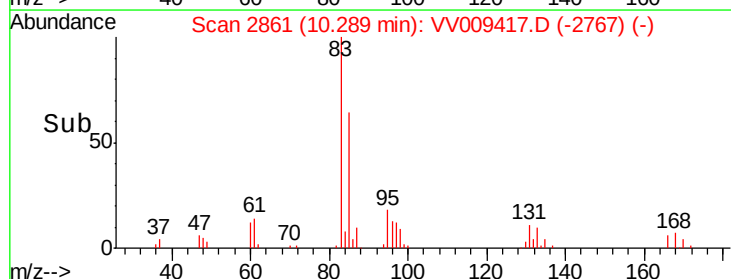
131 10.8 8.2 12.4

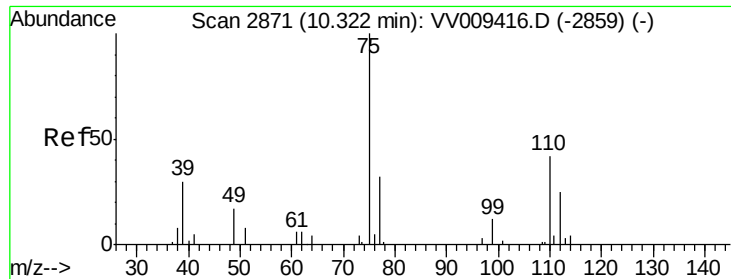


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

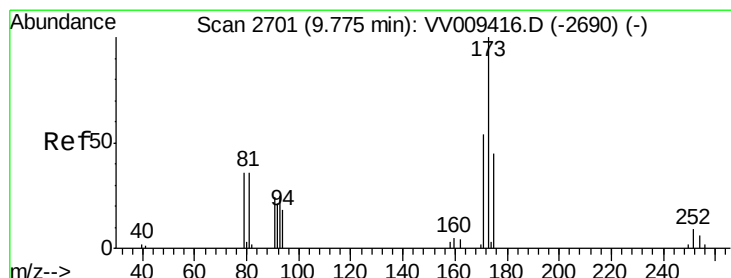
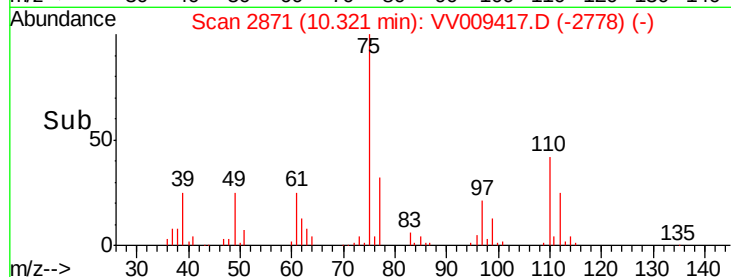
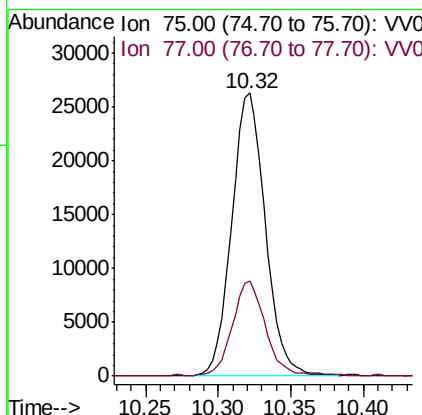
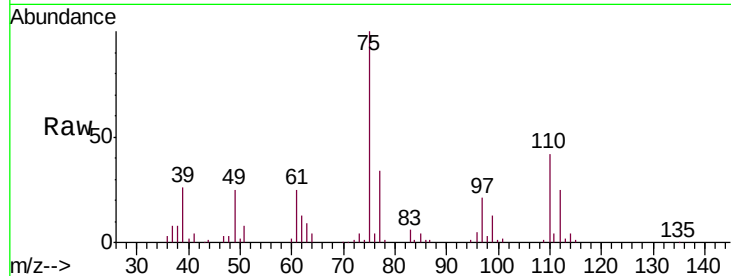




#59
 1,2,3-Trichloropropane
 Concen: 9.289 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VV009417.D
 Acq: 28 Feb 2019 11:53

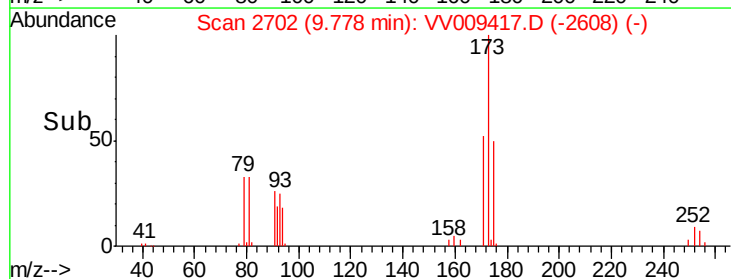
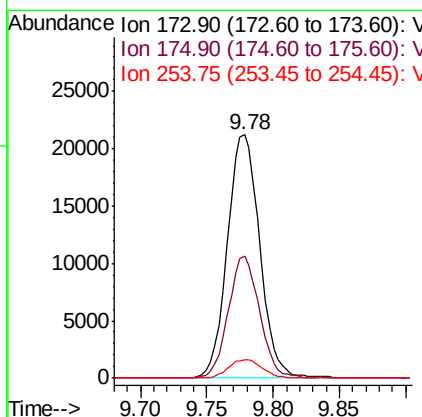
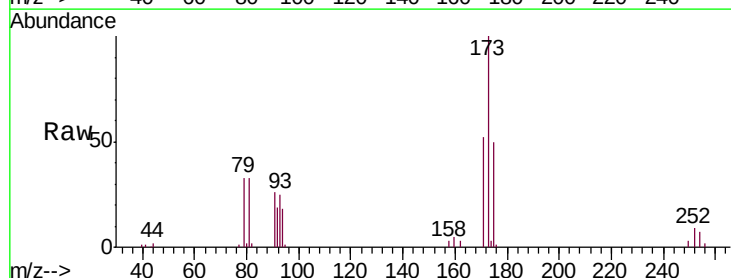
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01064

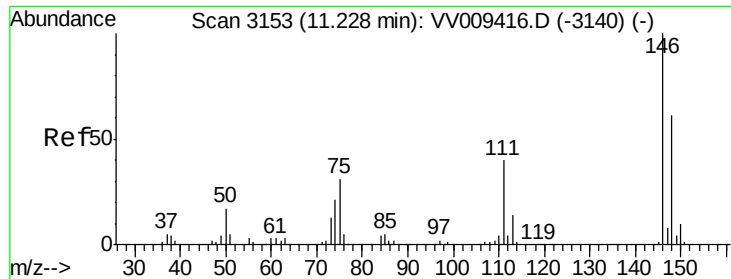
Tgt Ion: 75 Resp: 42409
 Ion Ratio Lower Upper
 75 100
 77 33.1 25.5 38.3



#61
 Bromoform
 Concen: 10.873 ug/L
 RT: 9.78 min Scan# 2702
 Delta R.T. 0.00 min
 Lab File: VV009417.D
 Acq: 28 Feb 2019 11:53

Tgt Ion: 173 Resp: 36031
 Ion Ratio Lower Upper
 173 100
 175 48.1 37.4 56.0
 254 7.8 5.8 8.6





#62

1,3-Dichlorobenzene

Concen: 9.844 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. -0.00 min

Lab File: VV009417.D

Acq: 28 Feb 2019 11:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD01064

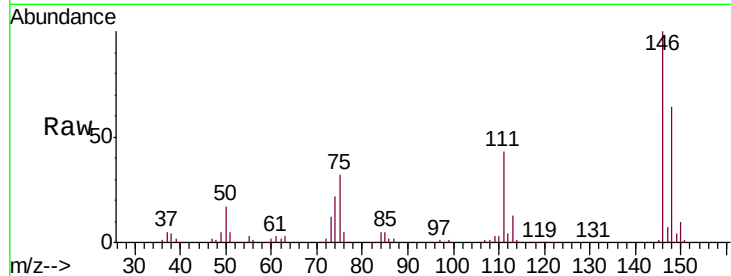
Tgt Ion:146 Resp: 175778

Ion Ratio Lower Upper

146 100

111 42.8 27.9 51.9

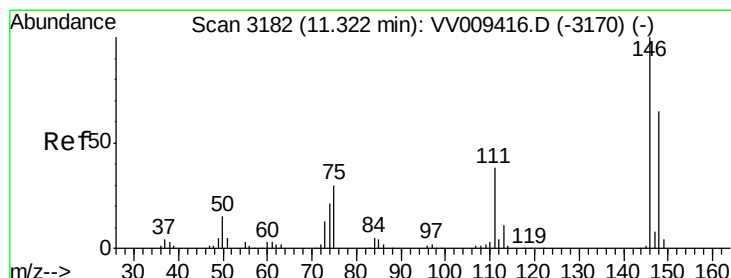
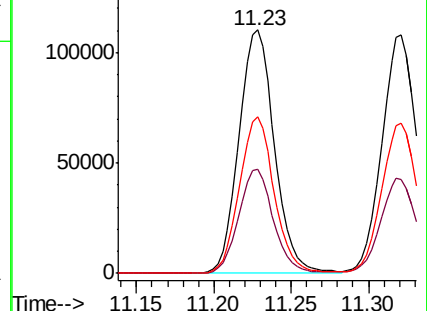
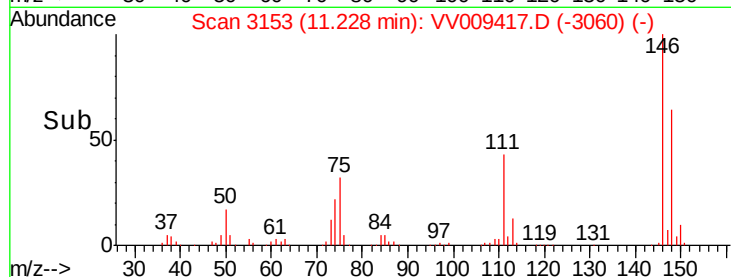
148 64.5 42.6 79.2



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



#63

1,4-Dichlorobenzene

Concen: 9.686 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VV009417.D

Acq: 28 Feb 2019 11:53

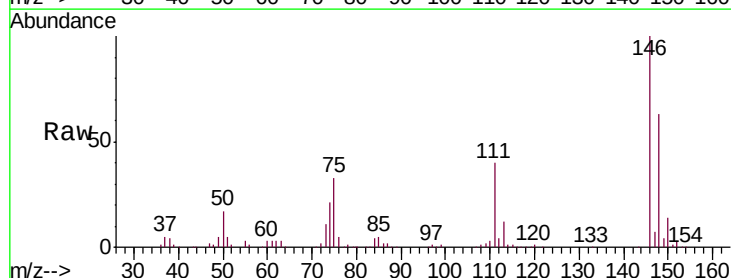
Tgt Ion:146 Resp: 174814

Ion Ratio Lower Upper

146 100

111 39.5 27.2 50.4

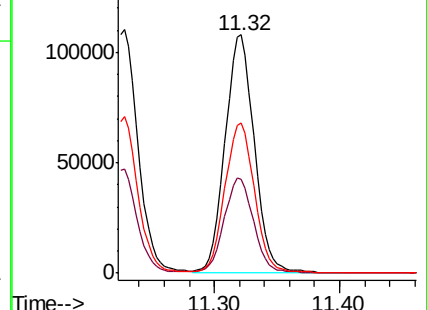
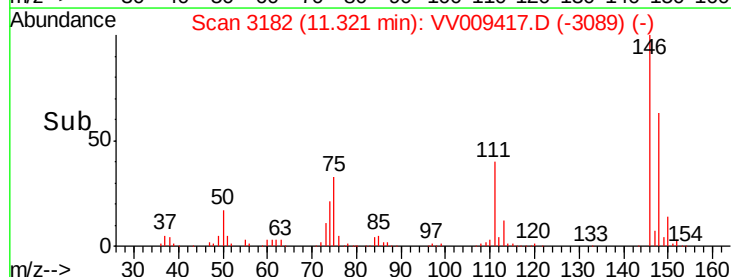
148 63.3 45.7 84.9

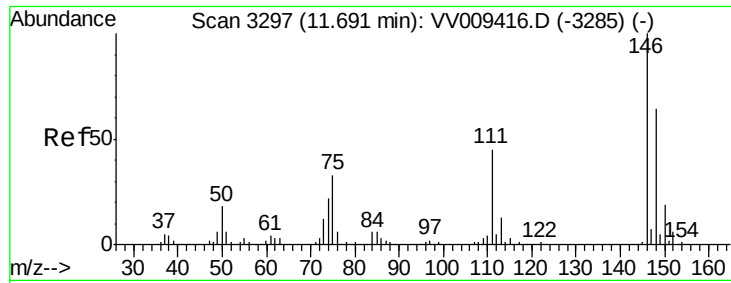


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 9.665 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. -0.00 min

Lab File: VV009417.D

Acq: 28 Feb 2019 11:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD01064

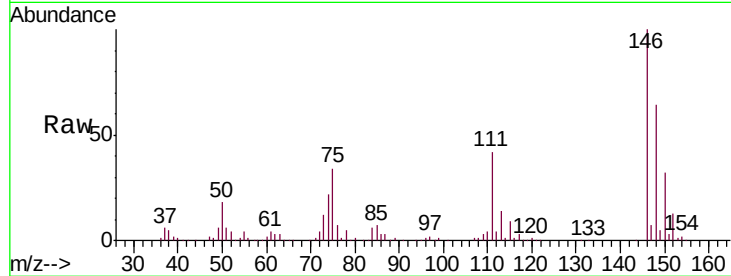
Tgt Ion: 146 Resp: 158207

Ion Ratio Lower Upper

146 100

111 42.3 35.6 53.4

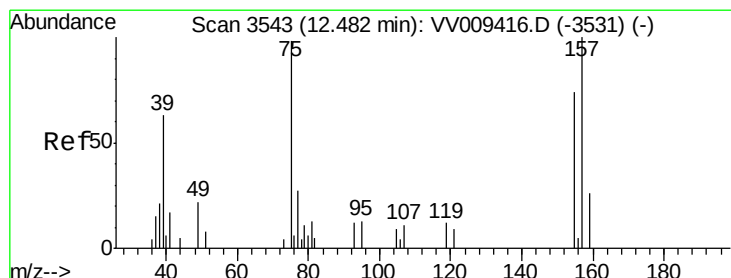
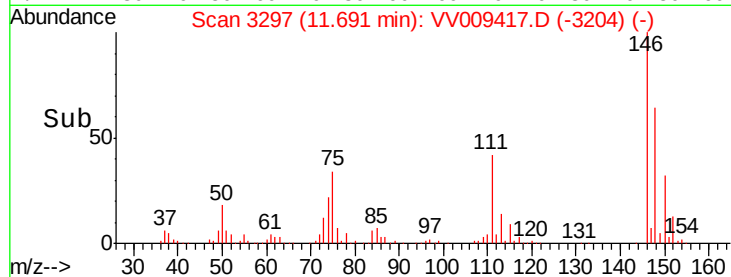
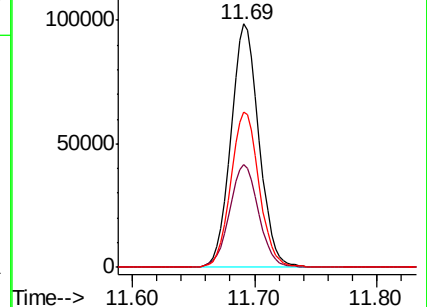
148 63.8 50.9 76.3



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: 12.568 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. -0.01 min

Lab File: VV009417.D

Acq: 28 Feb 2019 11:53

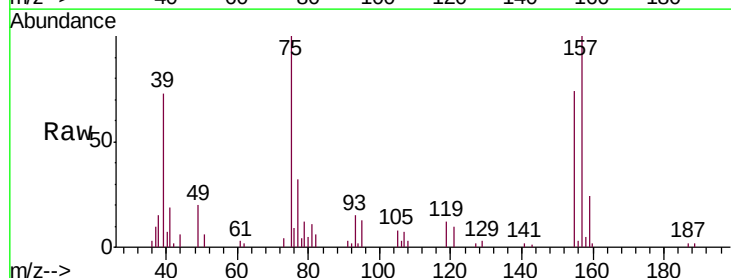
Tgt Ion: 75 Resp: 11083

Ion Ratio Lower Upper

75 100

155 74.4 60.8 91.2

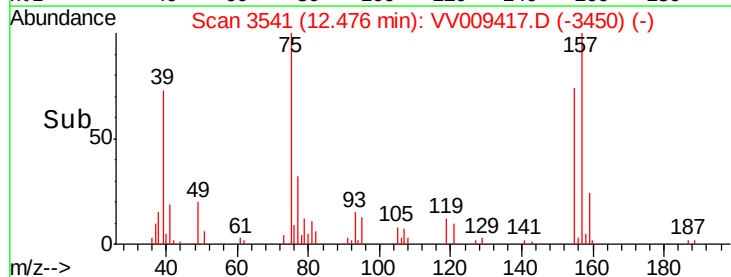
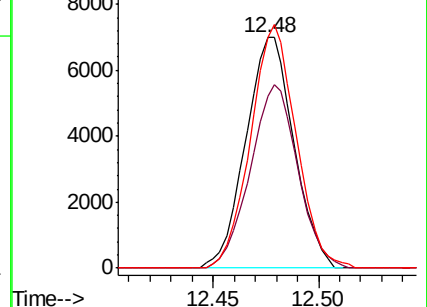
157 100.2 81.7 122.5

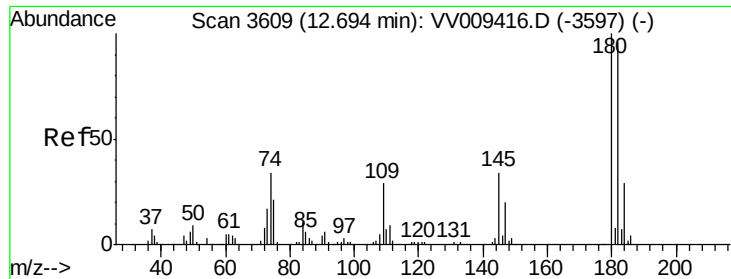


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

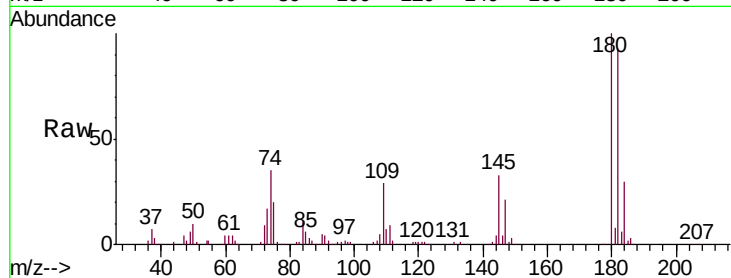




#67
 1,3,5-Trichlorobenzene
 Concen: 9.630 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VV009417.D
 Acq: 28 Feb 2019 11:53

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01064

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	75.5	113.3
184	29.9	23.4	35.0
145	33.3	26.6	40.0



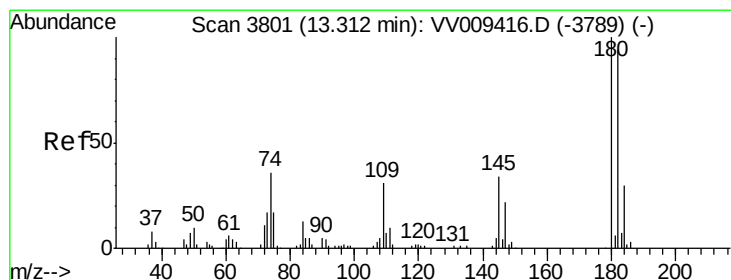
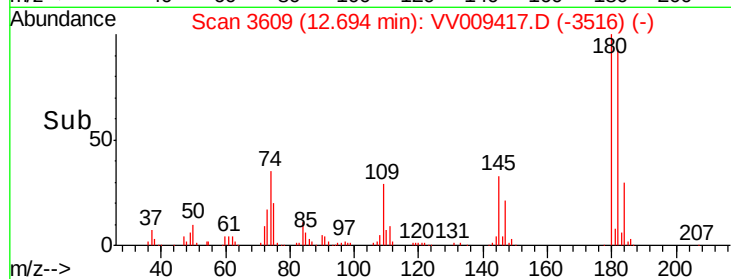
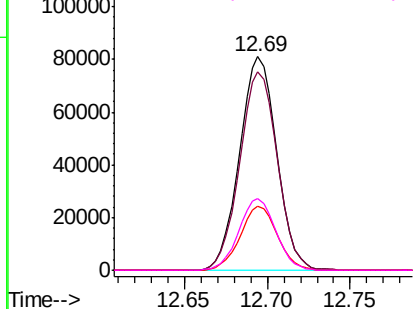
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

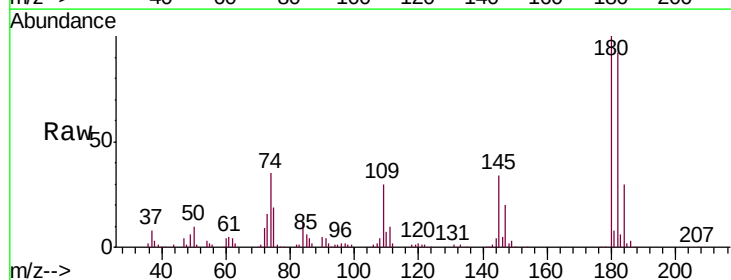
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 10.559 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. -0.00 min
 Lab File: VV009417.D
 Acq: 28 Feb 2019 11:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	74.7	112.1
145	34.8	26.6	39.8

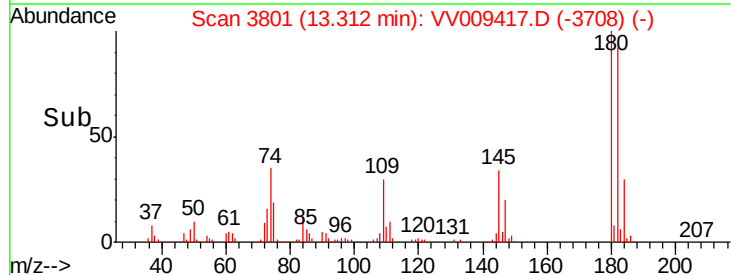
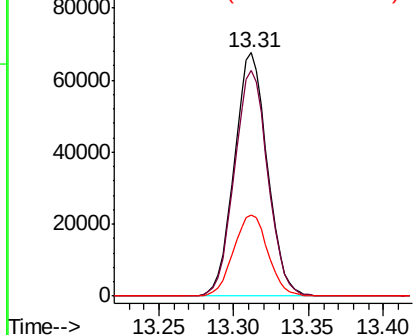


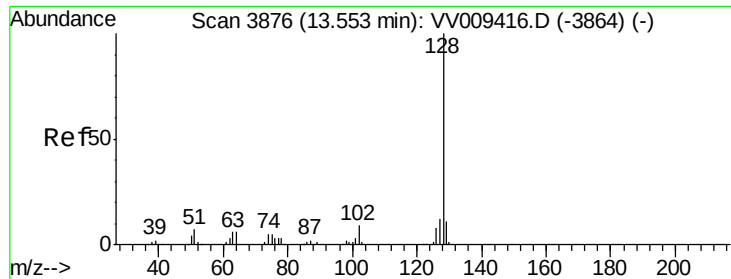
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 12.256 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. -0.00 min

Lab File: VV009417.D

Acq: 28 Feb 2019 11:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD01064

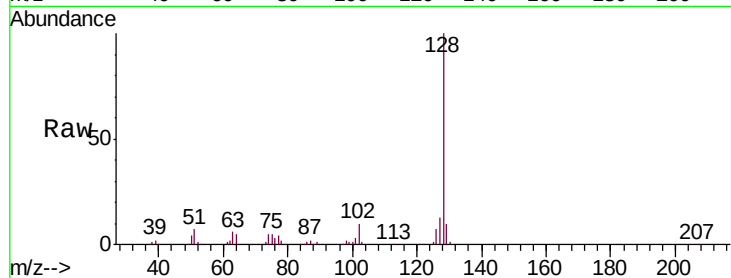
Tgt Ion:128 Resp: 178910

Ion Ratio Lower Upper

128 100

129 10.5 8.5 12.7

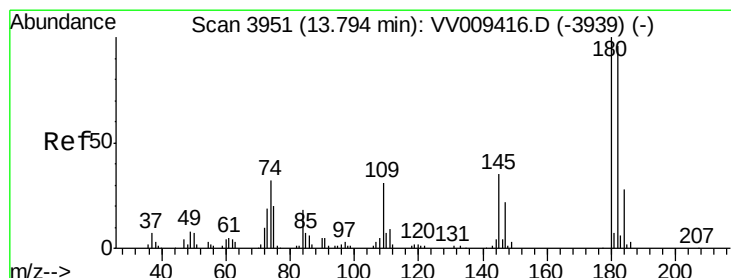
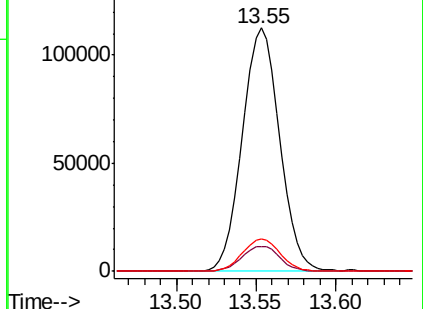
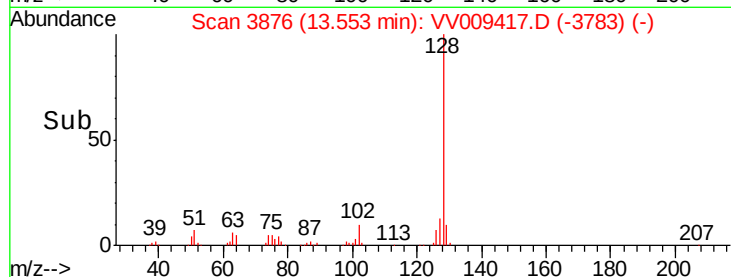
127 13.4 10.1 15.1



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: 10.093 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. -0.00 min

Lab File: VV009417.D

Acq: 28 Feb 2019 11:53

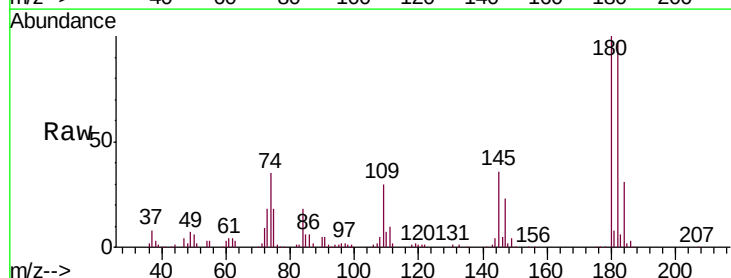
Tgt Ion:180 Resp: 91998

Ion Ratio Lower Upper

180 100

182 96.8 75.7 113.5

145 35.3 27.6 41.4



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

