

Data File : VV009418.D
Acq On : 28 Feb 2019 12:18
Operator : SY/MD
Sample : VSTD02065
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02065

Quant Time: Mar 01 03:29:15 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	119879	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	116461	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	57756	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	120998	18.56	ug/L	0.00
7) Chloroethane-d5	1.58	69	107205	21.58	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	311166	23.24	ug/L	0.00
20) 2-Butanone-d5	3.97	46	267910	174.16	ug/L	0.00
24) Chloroform-d	4.40	84	255993	17.40	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	124311	17.73	ug/L	0.00
32) Benzene-d6	5.10	84	515096	17.22	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	153896	17.47	ug/L	0.00
41) Toluene-d8	7.36	98	537389	18.82	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	71745	21.01	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	233770	184.82	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	122781	20.18	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	190753	17.93	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	138177	12.932	ug/L	100
3) Chloromethane	1.25	50	142469	18.483	ug/L	99
5) Vinyl chloride	1.32	62	162907	20.361	ug/L	96
6) Bromomethane	1.54	94	108253	22.335	ug/L	100
8) Chloroethane	1.60	64	105572	22.434	ug/L	97
9) Trichlorofluoromethane	1.77	101	408697	29.564	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	164885	22.481	ug/L	98
12) 1,1-Dichloroethene	2.14	96	145566	22.752	ug/L	85
13) Acetone	2.22	43	213816	227.750	ug/L	97
14) Carbon disulfide	2.32	76	483136	24.381	ug/L	100
15) Methyl Acetate	2.47	43	55751	25.309	ug/L	97
16) Methylene chloride	2.54	84	146345	21.080	ug/L	96
17) Methyl tert-butyl Ether	2.81	73	377499	23.719	ug/L	100
18) trans-1,2-Dichloroethene	2.79	96	160298	22.901	ug/L	94
19) 1,1-Dichloroethane	3.23	63	208261	14.974	ug/L	97
21) 2-Butanone	4.06	43	277757	172.491	ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	150827	17.460	ug/L	99
23) Bromochloromethane	4.30	128	61622	16.860	ug/L	96
25) Chloroform	4.43	83	261030	17.327	ug/L	98
27) 1,2-Dichloroethane	5.18	62	157302	18.285	ug/L	98
29) 1,1,1-Trichloroethane	4.66	97	249400	18.192	ug/L	98
30) Cyclohexane	4.72	56	234272	17.754	ug/L	96
31) Carbon tetrachloride	4.87	117	217680	17.927	ug/L	100
33) Benzene	5.15	78	579652	17.730	ug/L	100
34) Trichloroethene	5.96	95	162054	17.066	ug/L	98
35) Methylcyclohexane	6.17	83	272882	18.236	ug/L	95
37) 1,2-Dichloropropane	6.22	63	137731	17.294	ug/L	99
38) Bromodichloromethane	6.56	83	199464	19.637	ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	230609	19.988	ug/L	96
40) 4-Methyl-2-pentanone	7.28	43	751503	183.620	ug/L	98

Data File : VV009418.D
Acq On : 28 Feb 2019 12:18
Operator : SY/MD
Sample : VSTD02065
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02065

Quant Time: Mar 01 03:29:15 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)
42) Toluene	7.43	91	671464	18.807	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	190838	21.392	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	102369	18.095	ug/L	95
47) Tetrachloroethene	8.02	164	127228	16.849	ug/L	97
48) 2-Hexanone	8.19	43	535828	186.288	ug/L	99
49) Dibromochloromethane	8.29	129	140248	20.896	ug/L	95
50) 1,2-Dibromoethane	8.40	107	100544	18.934	ug/L	98
51) Chlorobenzene	8.93	112	438752	18.619	ug/L	98
52) Ethylbenzene	9.05	91	768314	19.505	ug/L	100
53) m,p-xylene	9.18	106	300648	19.861	ug/L	100
54) o-xylene	9.59	106	291394	20.073	ug/L	98
55) Styrene	9.60	104	487308	20.523	ug/L	97
56) Isopropylbenzene	9.98	105	793622	20.333	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	124006	21.074	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	85195	17.923	ug/L	99
61) Bromoform	9.78	173	75083	21.481	ug/L	98
62) 1,3-Dichlorobenzene	11.23	146	347408	18.445	ug/L	96
63) 1,4-Dichlorobenzene	11.32	146	344582	18.101	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	317307	18.377	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	21740	23.372	ug/L	95
67) 1,3,5-Trichlorobenzene	12.69	180	255383	18.464	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	213728	20.636	ug/L	100
69) Naphthalene	13.55	128	373176	24.236	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	189074	19.666	ug/L	99

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

Data File : VV009418.D

Acq On : 28 Feb 2019 12:18

Operator : SY/MD

Sample : VSTD02065

Misc : 25ML/MSV0A_V/WATER

```
ALS Vial      : 6      Sample Multiplier: 1
```

Instrument :
MSVOA_V
ClientSampleId :
VSTD02065

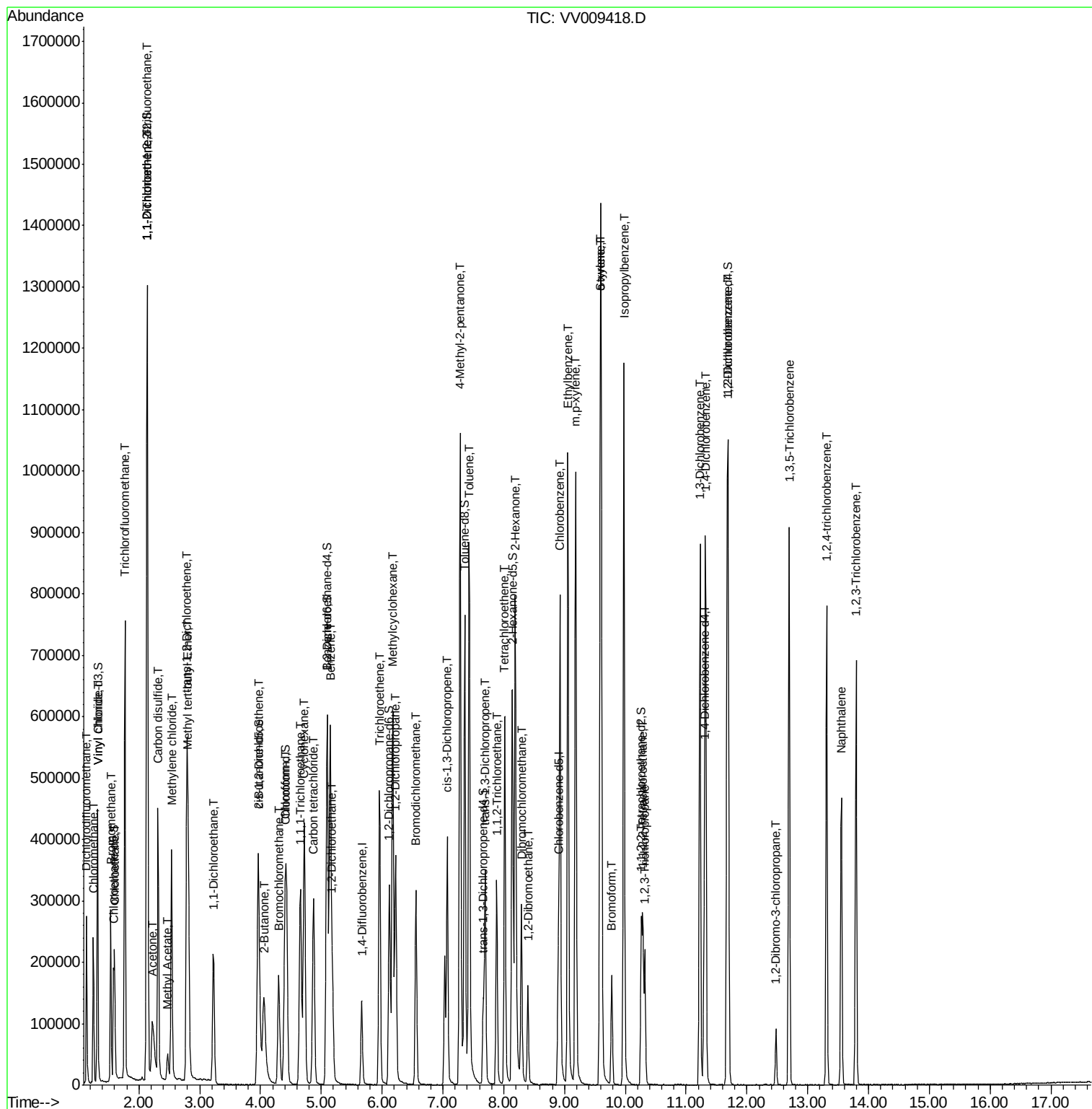
Quant Time: Mar 01 03:29:15 2019

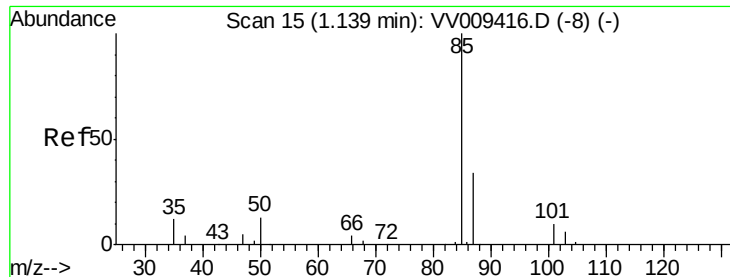
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0MVTR022819WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Fri Mar 01 03:24:50 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 12.932 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV009418.D

Acq: 28 Feb 2019 12:18

Instrument :

MSVOA_V

ClientSampleId :

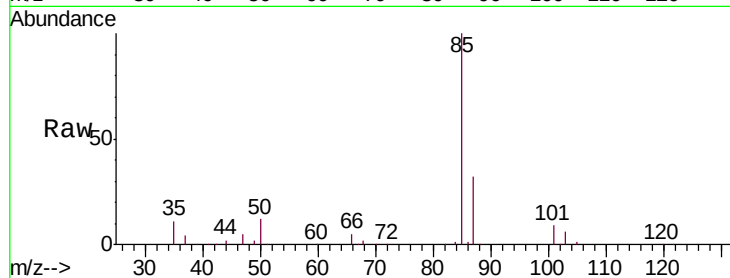
VSTD02065

Tgt Ion: 85 Resp: 138177

Ion Ratio Lower Upper

85 100

87 32.5 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VV009418.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV009418.D (-8) (-)

1.14

150000

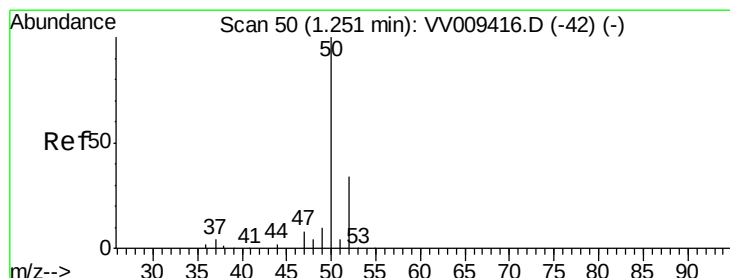
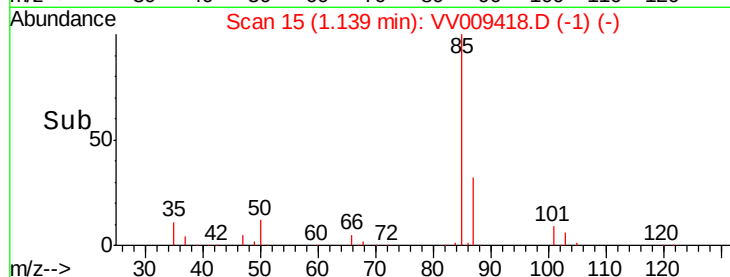
100000

50000

0

1.10 1.15 1.20

Time-->



#3

Chloromethane

Concen: 18.483 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV009418.D

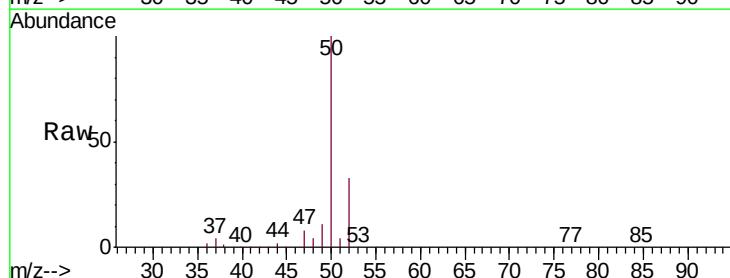
Acq: 28 Feb 2019 12:18

Tgt Ion: 50 Resp: 142469

Ion Ratio Lower Upper

50 100

52 33.0 23.5 43.7



Abundance Ion 50.05 (49.75 to 50.75): VV009418.D (-42) (-)

Ion 52.05 (51.75 to 52.75): VV009418.D (-42) (-)

1.25

150000

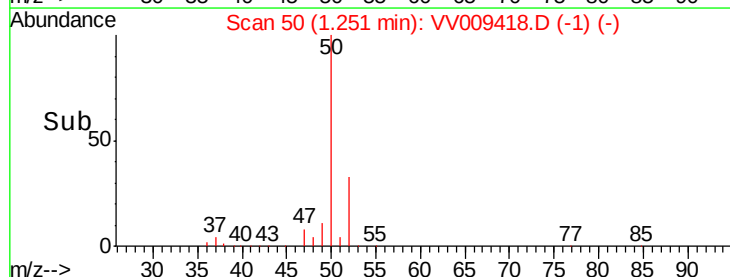
100000

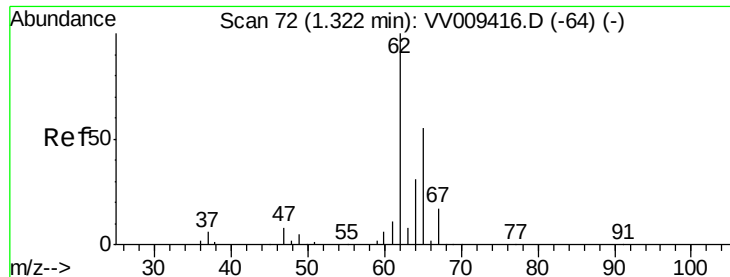
50000

0

1.20 1.25 1.30

Time-->





#5

Vinyl chloride

Concen: 20.361 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV009418.D

Acq: 28 Feb 2019 12:18

Instrument :

MSVOA_V

ClientSampleId :

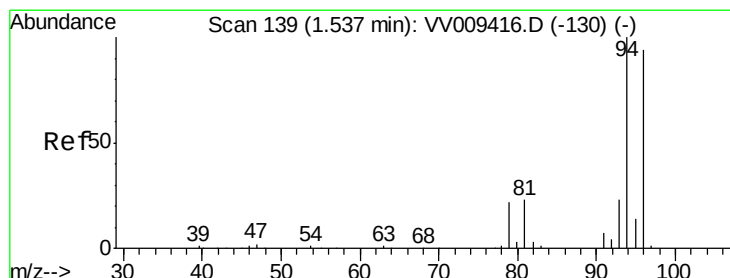
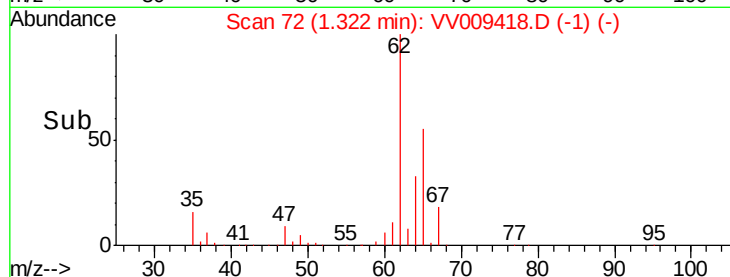
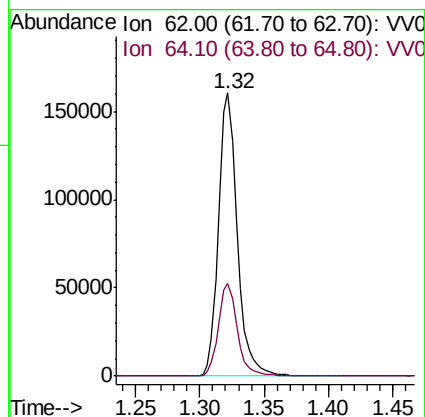
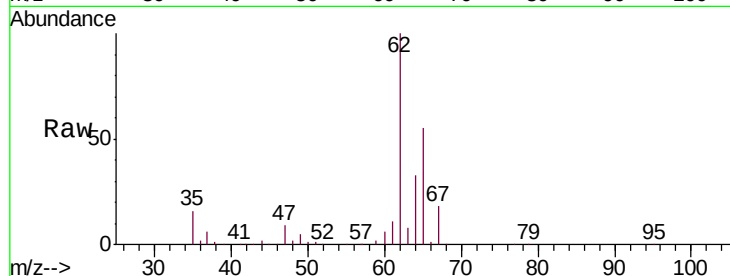
VSTD02065

Tgt Ion: 62 Resp: 162907

Ion Ratio Lower Upper

62 100

64 32.8 21.6 40.0



#6

Bromomethane

Concen: 22.335 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV009418.D

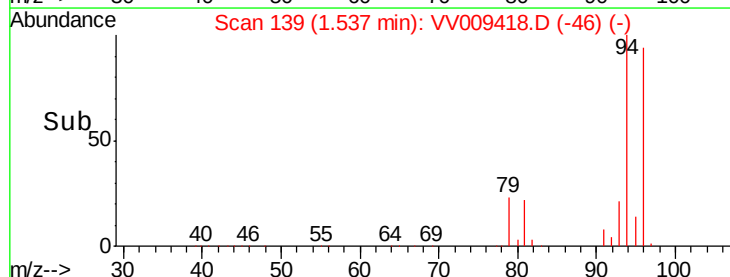
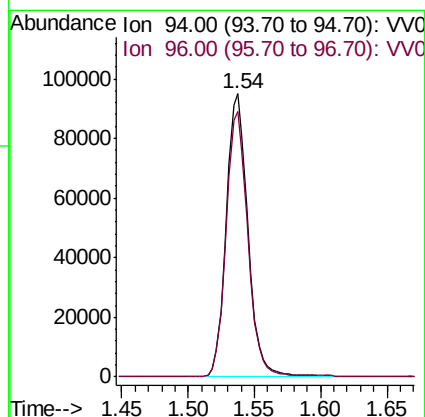
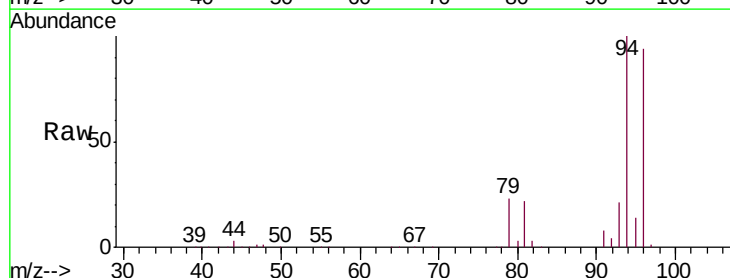
Acq: 28 Feb 2019 12:18

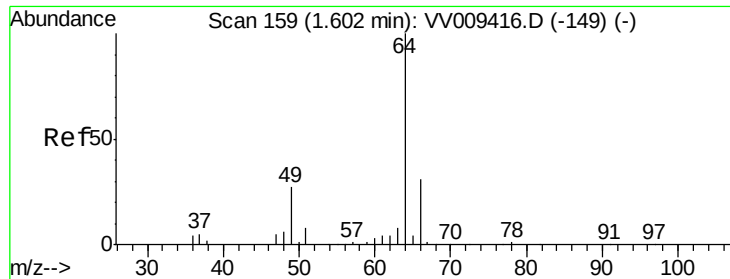
Tgt Ion: 94 Resp: 108253

Ion Ratio Lower Upper

94 100

96 93.9 65.8 122.2





#8

Chloroethane

Concen: 22.434 ug/L

RT: 1.60 min Scan# 159

Delta R.T. -0.00 min

Lab File: VV009418.D

Acq: 28 Feb 2019 12:18

Instrument :

MSVOA_V

ClientSampleId :

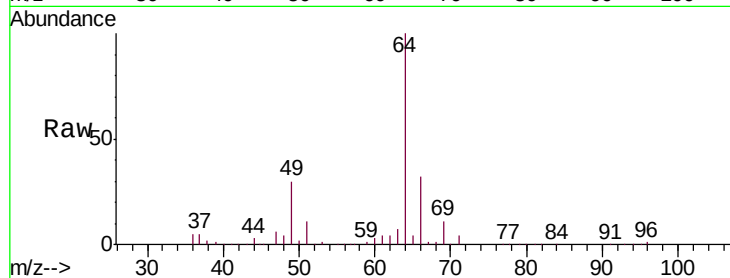
VSTD02065

Tgt Ion: 64 Resp: 105572

Ion Ratio Lower Upper

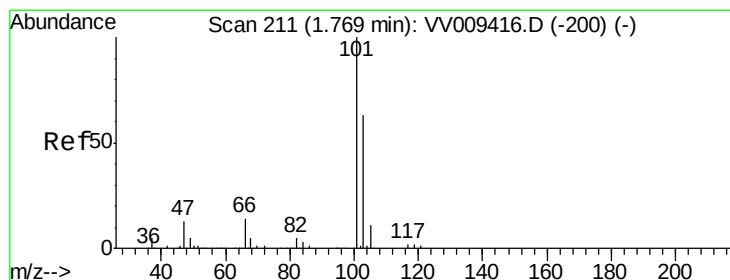
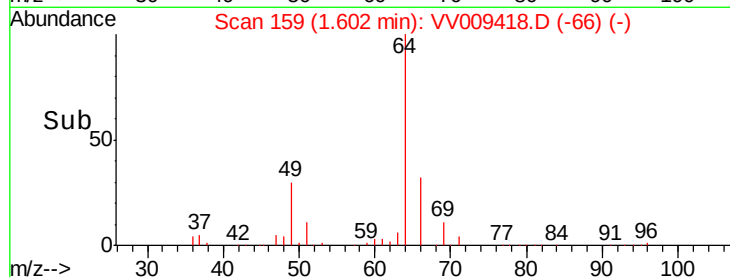
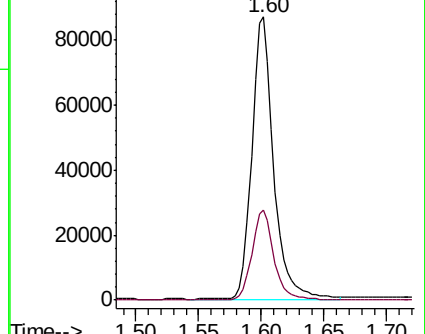
64 100

66 32.0 21.3 39.5



Abundance Ion 64.10 (63.80 to 64.80): VV009418.D (-149) (-)

Ion 66.05 (65.75 to 66.75): VV009418.D (-149) (-)



#9

Trichlorofluoromethane

Concen: 29.564 ug/L

RT: 1.77 min Scan# 211

Delta R.T. -0.00 min

Lab File: VV009418.D

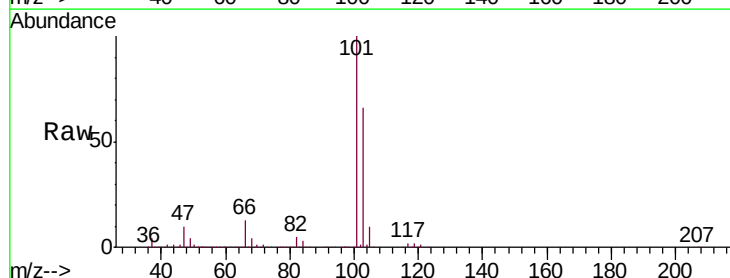
Acq: 28 Feb 2019 12:18

Tgt Ion: 101 Resp: 408697

Ion Ratio Lower Upper

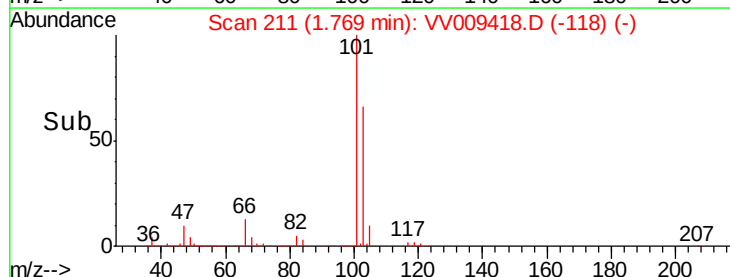
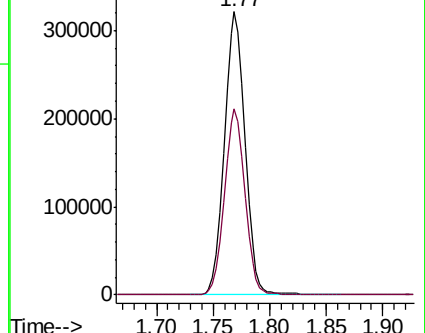
101 100

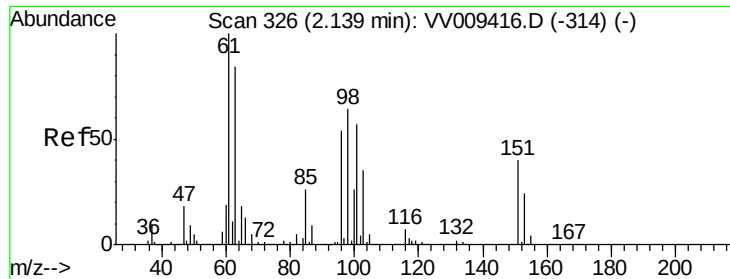
103 65.6 51.3 76.9



Abundance Ion 101.00 (100.70 to 101.70): VV009418.D (-200) (-)

Ion 103.00 (102.70 to 103.70): VV009418.D (-200) (-)





#10

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

Concen: 22.481 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV009418.D

Acq: 28 Feb 2019 12:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD02065

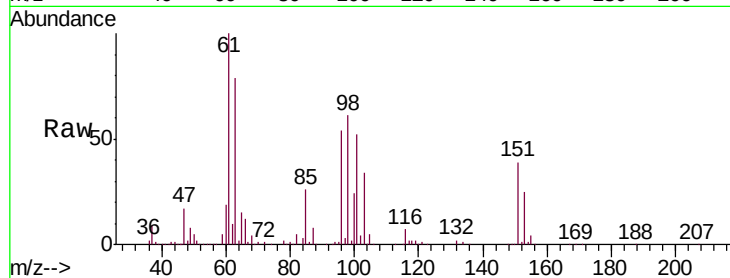
Tgt Ion: 101 Resp: 164885

Ion Ratio Lower Upper

101 100

85 49.5 38.2 57.4

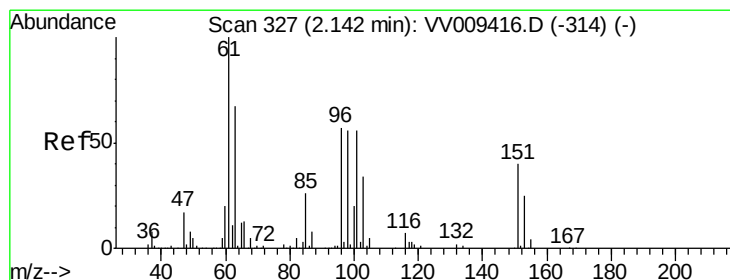
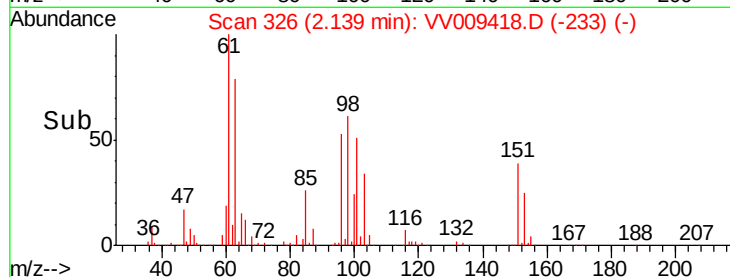
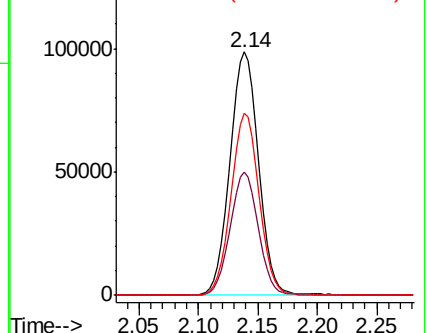
151 73.5 58.0 87.0



Abundance Ion 101.00 (100.70 to 101.70): VV009418.D (-233) (-)

Ion 85.00 (84.70 to 85.70): VV009418.D (-233) (-)

Ion 151.00 (150.70 to 151.70): VV009418.D (-233) (-)



#12

1,1-Dichloroethene

Concen: 22.752 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV009418.D

Acq: 28 Feb 2019 12:18

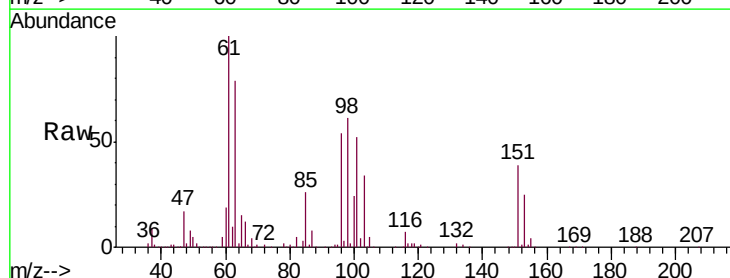
Tgt Ion: 96 Resp: 145566

Ion Ratio Lower Upper

96 100

61 186.6 123.1 228.5

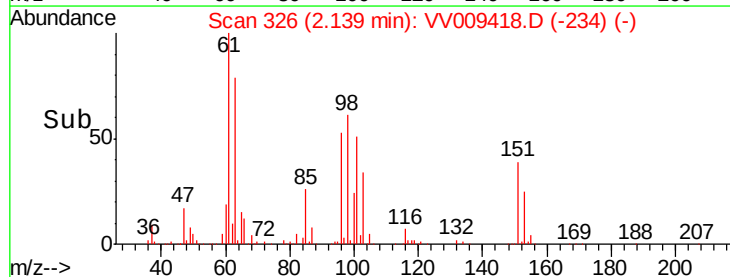
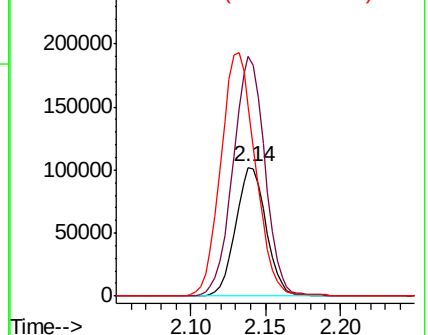
63 147.8 82.9 153.9

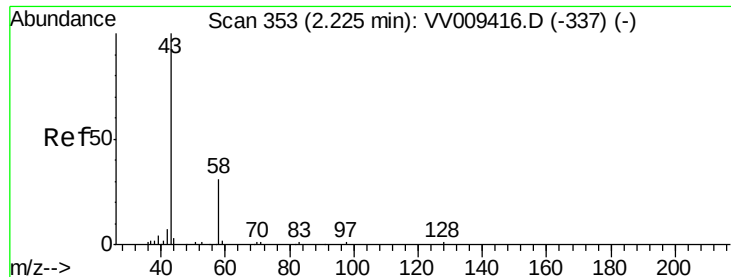


Abundance Ion 96.00 (95.70 to 96.70): VV009418.D (-234) (-)

Ion 61.05 (60.75 to 61.75): VV009418.D (-234) (-)

Ion 63.00 (62.70 to 63.70): VV009418.D (-234) (-)





#13

Acetone

Concen: 227.750 ug/L

RT: 2.22 min Scan# 352

Delta R.T. -0.00 min

Lab File: VV009418.D

Acq: 28 Feb 2019 12:18

Instrument :

MSVOA_V

ClientSampleId :

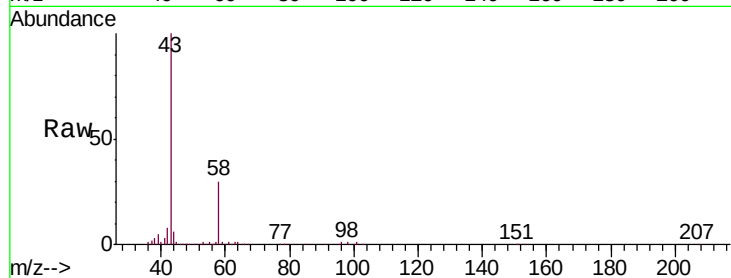
VSTD02065

Tgt Ion: 43 Resp: 213816

Ion Ratio Lower Upper

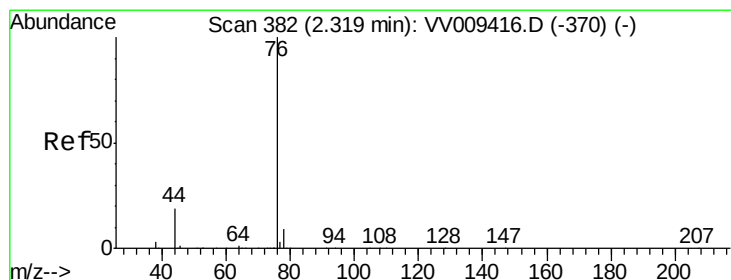
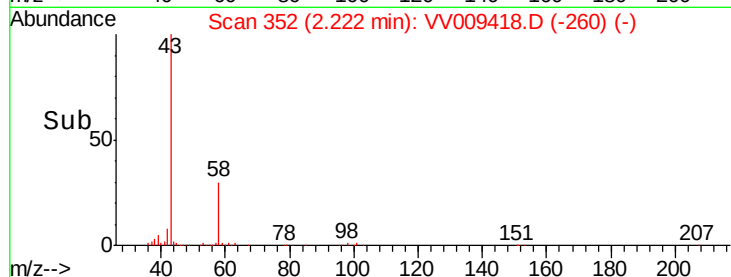
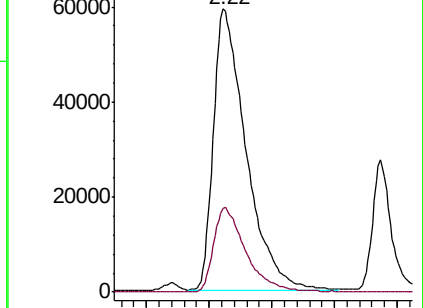
43 100

58 29.4 0.0 62.0



Abundance Ion 43.05 (42.75 to 43.75): VV009418.D (-352) (-)

Ion 58.05 (57.75 to 58.75): VV009418.D (-352) (-)



#14

Carbon disulfide

Concen: 24.381 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV009418.D

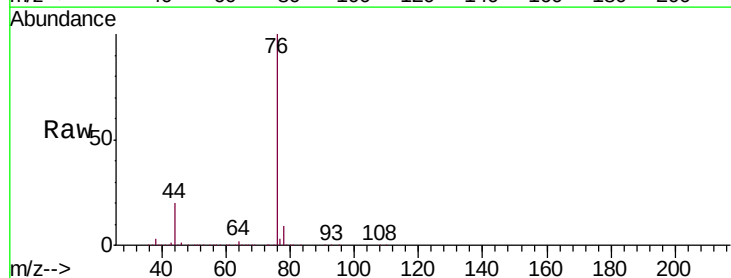
Acq: 28 Feb 2019 12:18

Tgt Ion: 76 Resp: 483136

Ion Ratio Lower Upper

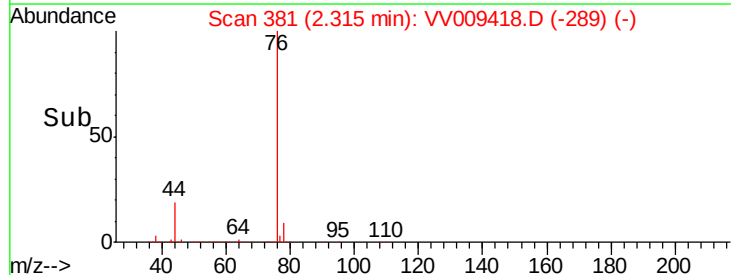
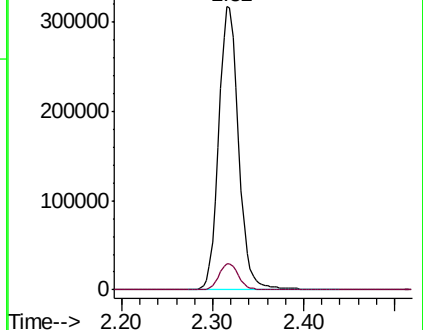
76 100

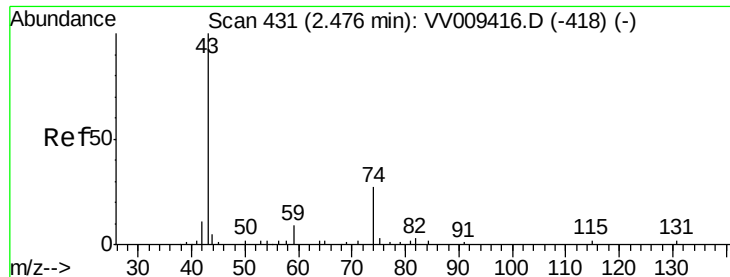
78 9.2 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VV009418.D (-381) (-)

Ion 78.00 (77.70 to 78.70): VV009418.D (-381) (-)

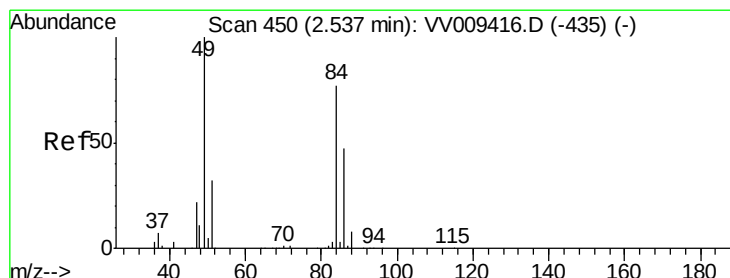
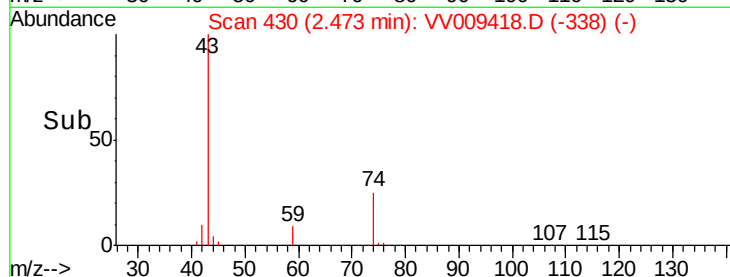
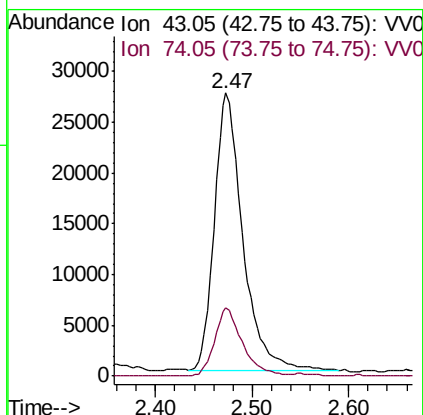
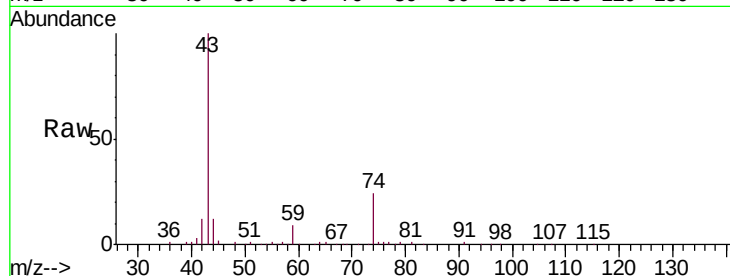




#15
Methyl Acetate
Concen: 25.309 ug/L
RT: 2.47 min Scan# 430
Delta R.T. -0.00 min
Lab File: VV009418.D
Acq: 28 Feb 2019 12:18

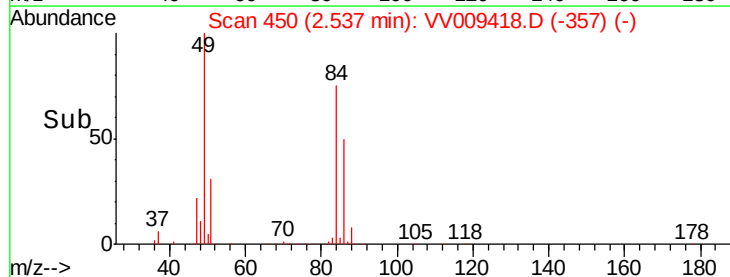
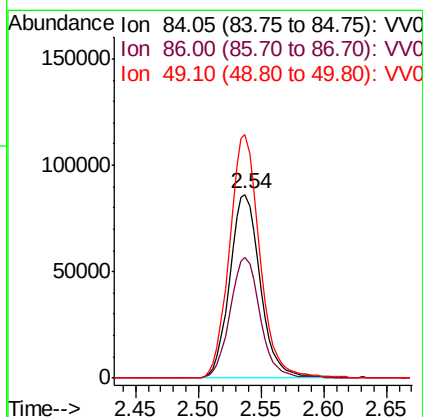
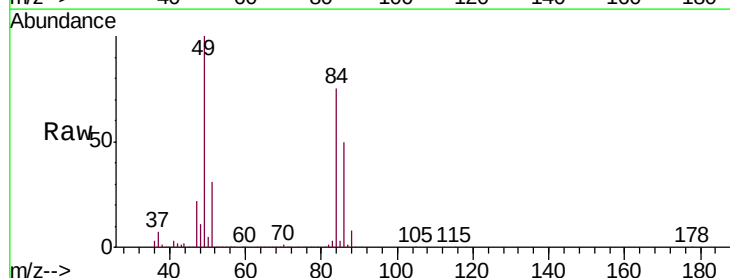
Instrument :
MSVOA_V
ClientSampleId :
VSTD02065

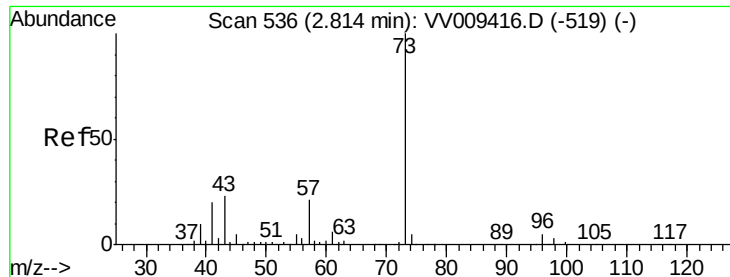
Tgt Ion: 43 Resp: 55751
Ion Ratio Lower Upper
43 100
74 24.1 20.6 30.8



#16
Methylene chloride
Concen: 21.080 ug/L
RT: 2.54 min Scan# 450
Delta R.T. -0.00 min
Lab File: VV009418.D
Acq: 28 Feb 2019 12:18

Tgt Ion: 84 Resp: 146345
Ion Ratio Lower Upper
84 100
86 65.9 42.8 79.4
49 132.7 90.6 168.2





#17

Methyl tert-butyl Ether

Concen: 23.719 ug/L

RT: 2.81 min Scan# 536

Delta R.T. -0.00 min

Lab File: VV009418.D

Acq: 28 Feb 2019 12:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD02065

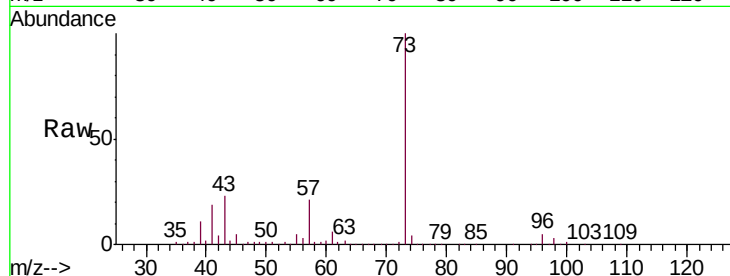
Tgt Ion: 73 Resp: 377499

Ion Ratio Lower Upper

73 100

43 22.6 18.1 27.1

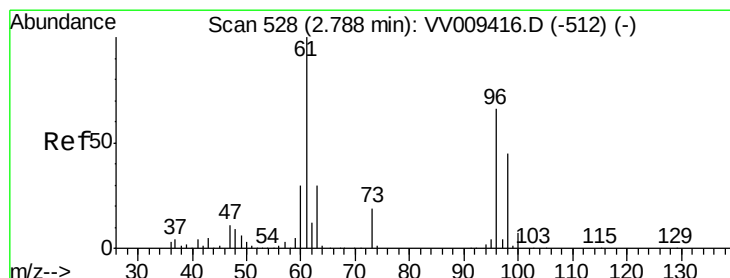
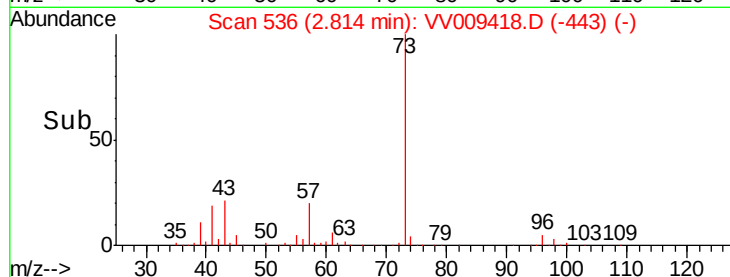
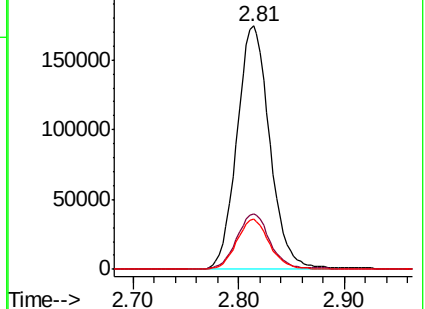
57 20.3 15.8 23.8



Abundance Ion 73.10 (72.80 to 73.80): VV0

Ion 43.05 (42.75 to 43.75): VV0

Ion 57.10 (56.80 to 57.80): VV0



#18

trans-1,2-Dichloroethene

Concen: 22.901 ug/L

RT: 2.79 min Scan# 528

Delta R.T. -0.00 min

Lab File: VV009418.D

Acq: 28 Feb 2019 12:18

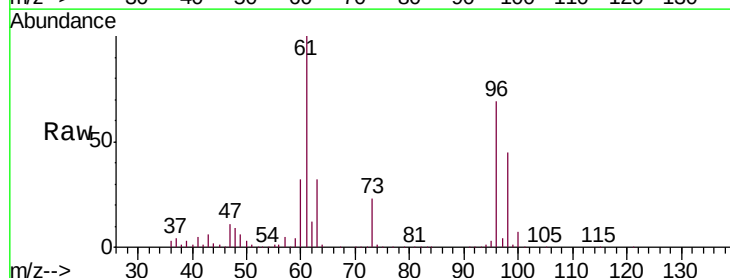
Tgt Ion: 96 Resp: 160298

Ion Ratio Lower Upper

96 100

61 144.0 106.0 196.8

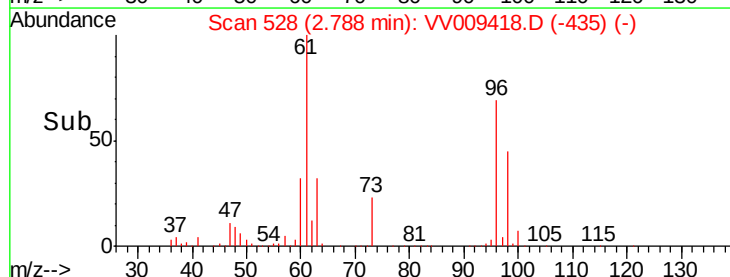
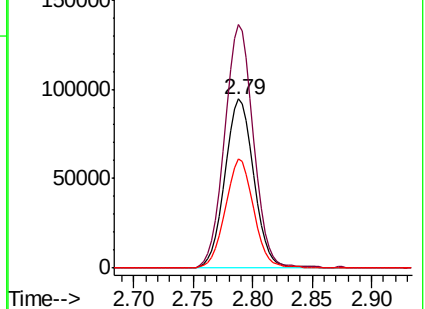
98 64.5 48.2 89.4

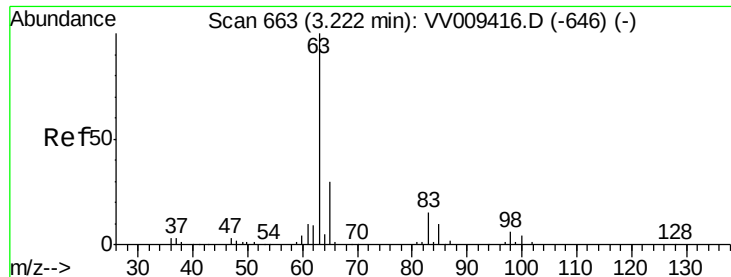


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0

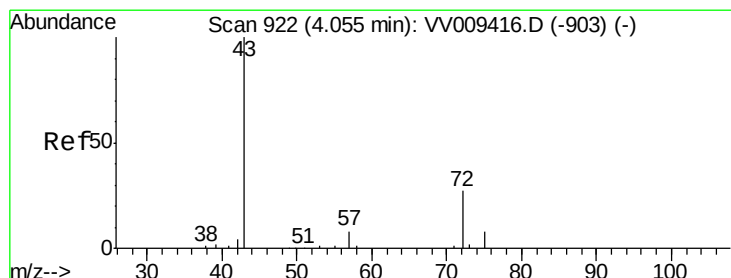
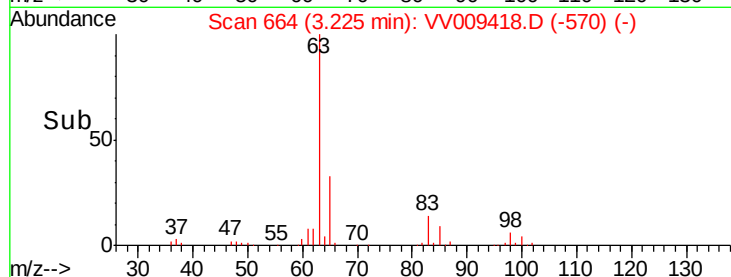
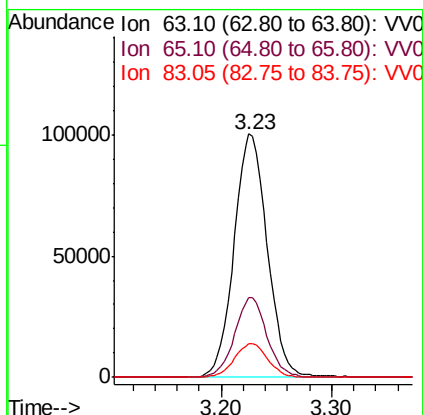
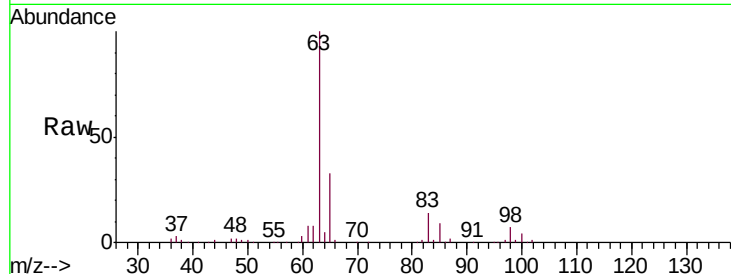




#19
 1,1-Dichloroethane
 Concen: 14.974 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. 0.00 min
 Lab File: VV009418.D
 Acq: 28 Feb 2019 12:18

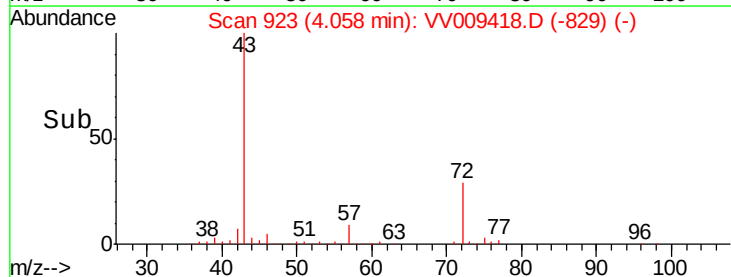
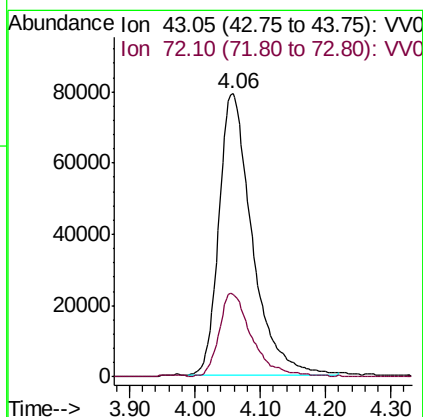
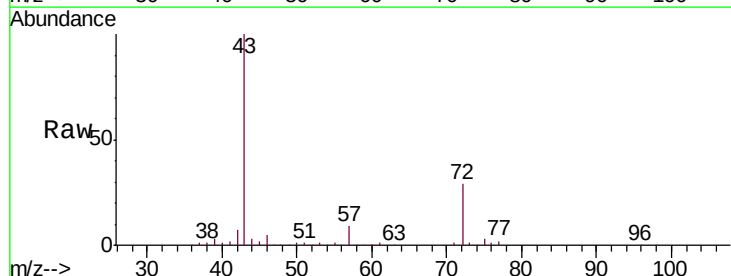
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02065

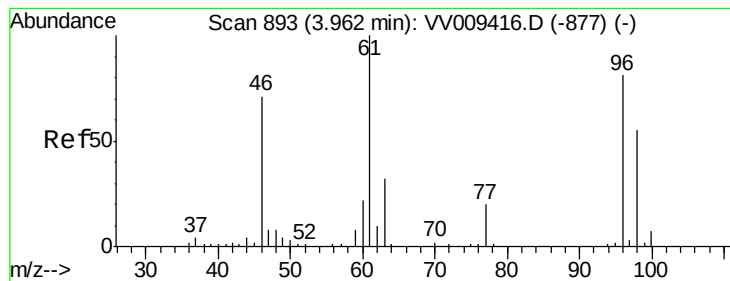
Tgt Ion: 63 Resp: 208261
 Ion Ratio Lower Upper
 63 100
 65 32.5 21.6 40.2
 83 13.7 10.4 19.4



#21
 2-Butanone
 Concen: 172.491 ug/L
 RT: 4.06 min Scan# 923
 Delta R.T. 0.00 min
 Lab File: VV009418.D
 Acq: 28 Feb 2019 12:18

Tgt Ion: 43 Resp: 277757
 Ion Ratio Lower Upper
 43 100
 72 29.3 15.4 46.1



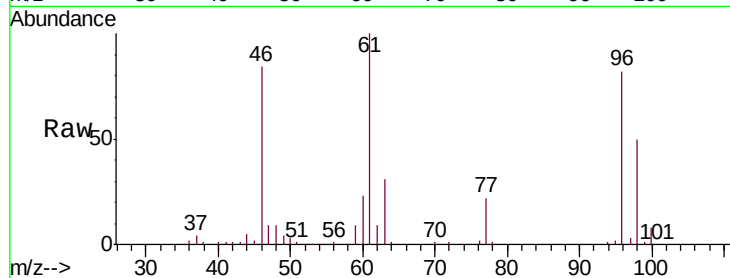


#22

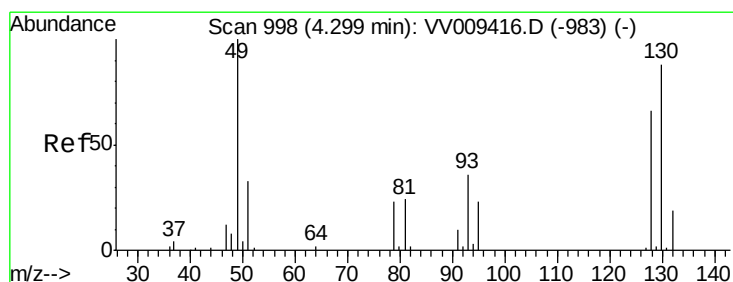
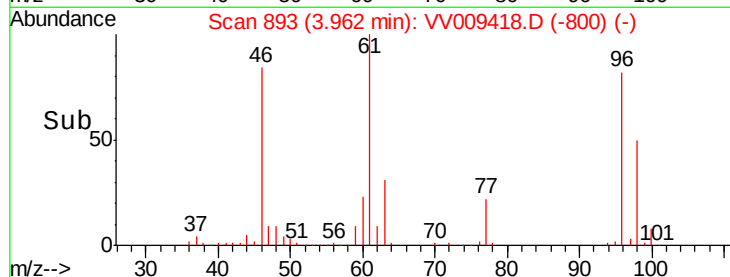
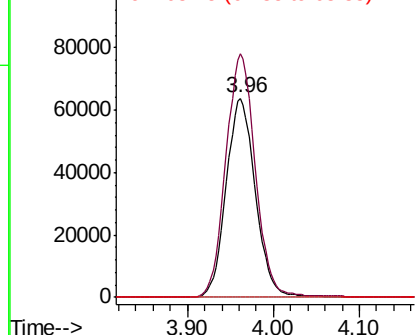
cis-1,2-Dichloroethene
Concen: 17.460 ug/L
RT: 3.96 min Scan# 893
Delta R.T. -0.00 min
Lab File: VV009418.D
Acq: 28 Feb 2019 12:18

Instrument :
MSVOA_V
ClientSampleId :
VSTD02065

Tgt Ion: 96 Resp: 150827
Ion Ratio Lower Upper
96 100
61 122.3 86.0 159.8
68 0.0 0.0 0.0



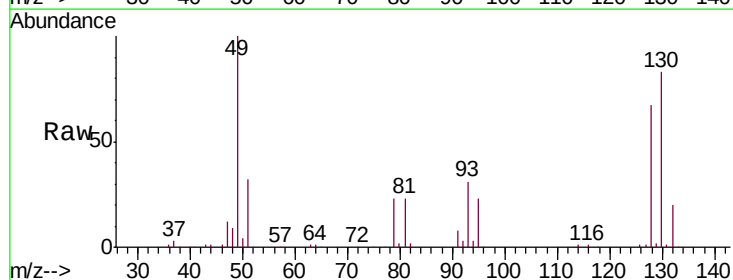
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



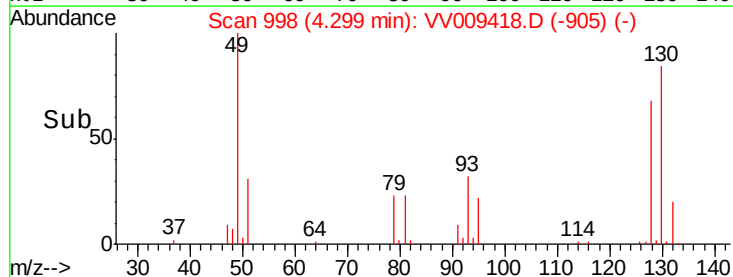
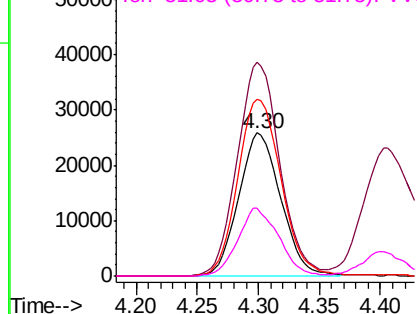
#23

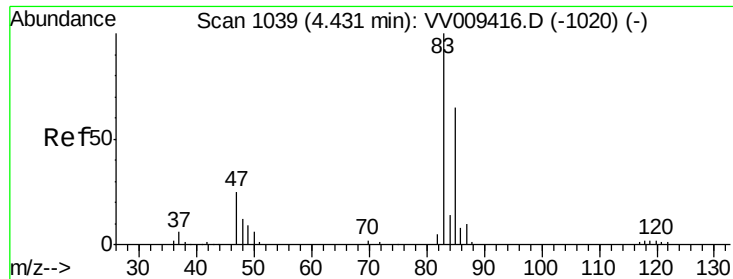
Bromochloromethane
Concen: 16.860 ug/L
RT: 4.30 min Scan# 998
Delta R.T. -0.00 min
Lab File: VV009418.D
Acq: 28 Feb 2019 12:18

Tgt Ion: 128 Resp: 61622
Ion Ratio Lower Upper
128 100
49 149.3 105.8 196.4
130 123.7 93.2 173.0
51 47.2 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

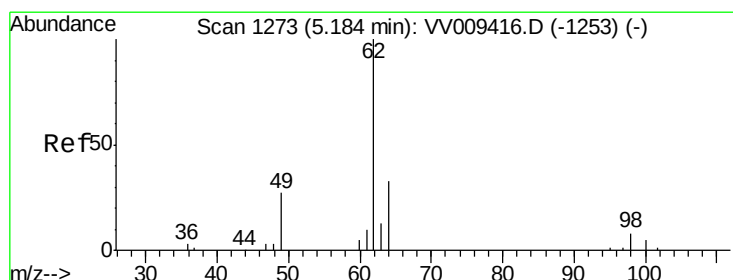
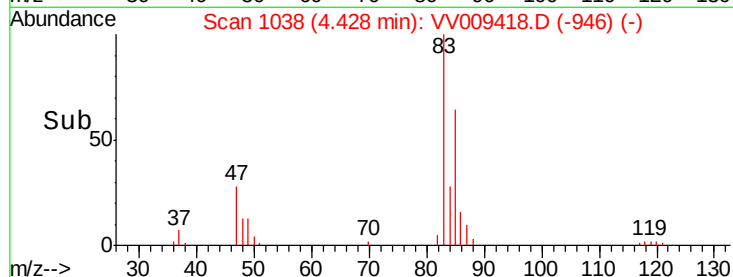
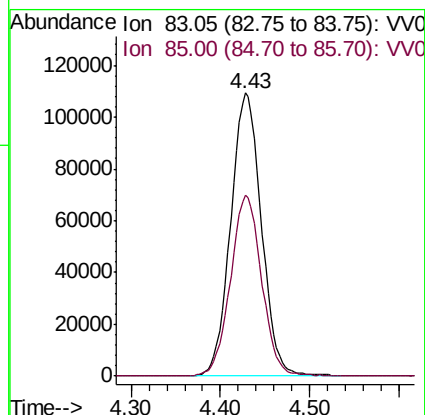
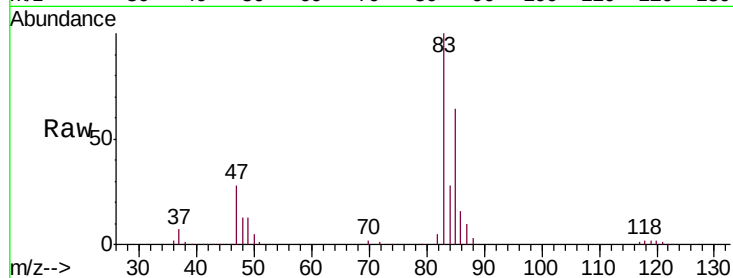




#25
Chloroform
Concen: 17.327 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. -0.00 min
Lab File: VV009418.D
Acq: 28 Feb 2019 12:18

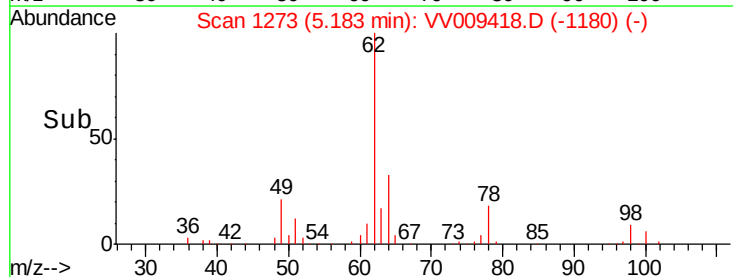
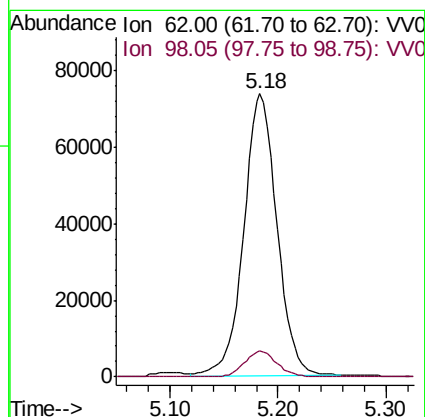
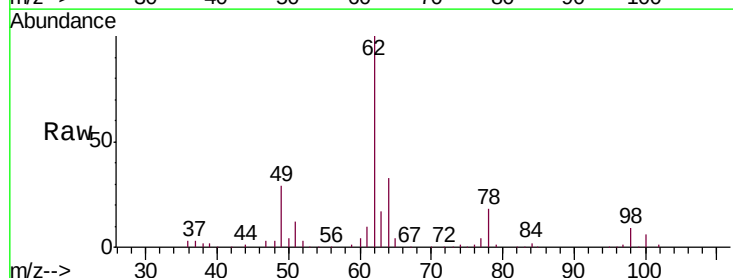
Instrument :
MSVOA_V
ClientSampleId :
VSTD02065

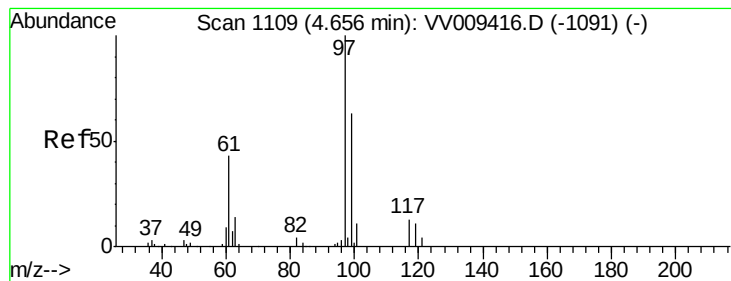
Tgt Ion: 83 Resp: 261030
Ion Ratio Lower Upper
83 100
85 63.9 45.7 84.9



#27
1,2-Dichloroethane
Concen: 18.285 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. -0.00 min
Lab File: VV009418.D
Acq: 28 Feb 2019 12:18

Tgt Ion: 62 Resp: 157302
Ion Ratio Lower Upper
62 100
98 9.1 6.6 10.0





#29

1,1,1-Trichloroethane

Concen: 18.192 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VV009418.D

Acq: 28 Feb 2019 12:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD02065

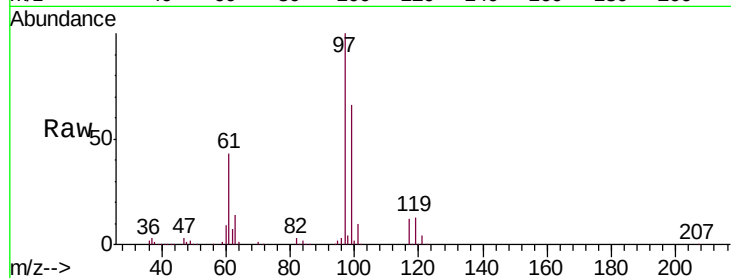
Tgt Ion: 97 Resp: 249400

Ion Ratio Lower Upper

97 100

99 65.5 50.5 75.7

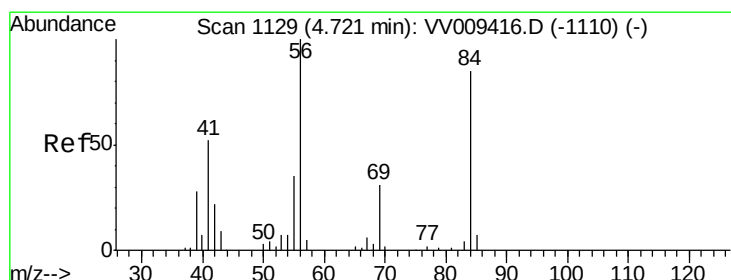
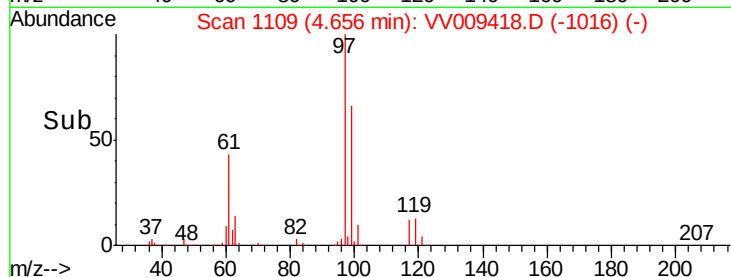
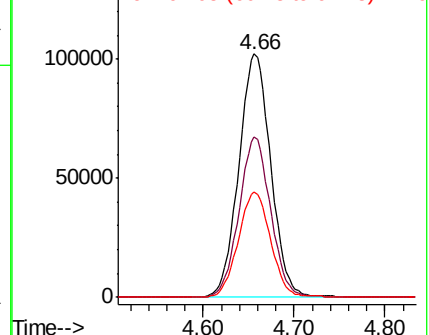
61 43.4 35.1 52.7



Abundance Ion 96.95 (96.65 to 97.65): VV009418.D (-1091) (-)

Ion 99.05 (98.75 to 99.75): VV009418.D (-1091) (-)

Ion 61.05 (60.75 to 61.75): VV009418.D (-1091) (-)



#30

Cyclohexane

Concen: 17.754 ug/L

RT: 4.72 min Scan# 1129

Delta R.T. -0.00 min

Lab File: VV009418.D

Acq: 28 Feb 2019 12:18

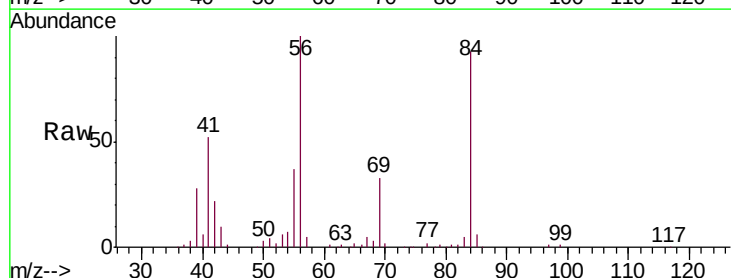
Tgt Ion: 56 Resp: 234272

Ion Ratio Lower Upper

56 100

69 32.8 25.2 37.8

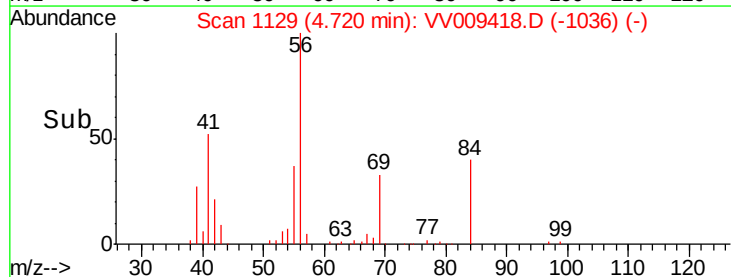
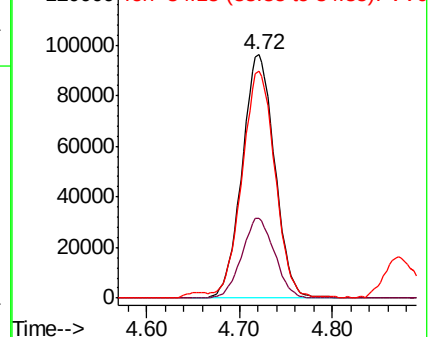
84 94.1 71.5 107.3

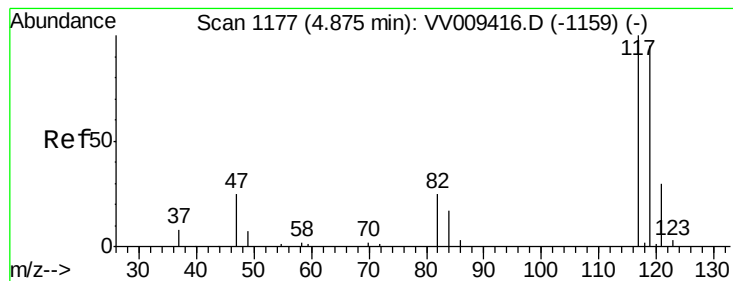


Abundance Ion 56.10 (55.80 to 56.80): VV009418.D (-1036) (-)

Ion 69.15 (68.85 to 69.85): VV009418.D (-1036) (-)

Ion 84.15 (83.85 to 84.85): VV009418.D (-1036) (-)





#31

Carbon tetrachloride

Concen: 17.927 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VV009418.D

Acq: 28 Feb 2019 12:18

Instrument :

MSVOA_V

ClientSampleId :

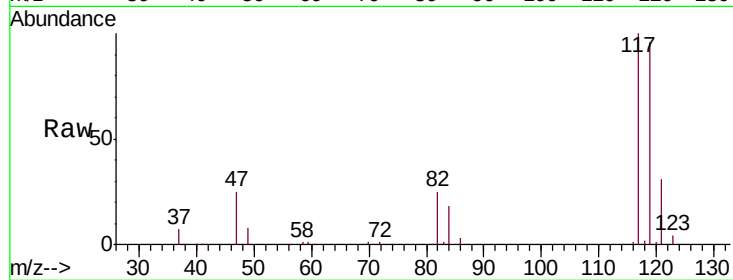
VSTD02065

Tgt Ion:117 Resp: 217680

Ion Ratio Lower Upper

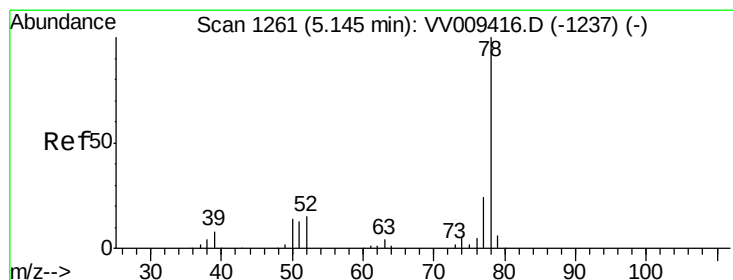
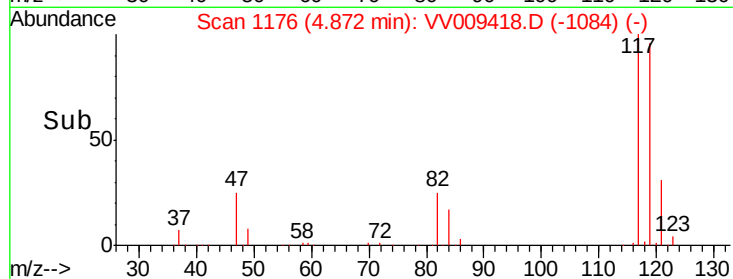
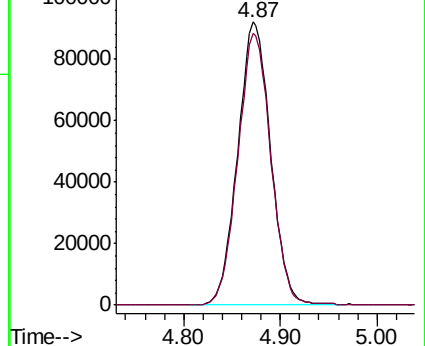
117 100

119 96.1 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: 17.730 ug/L

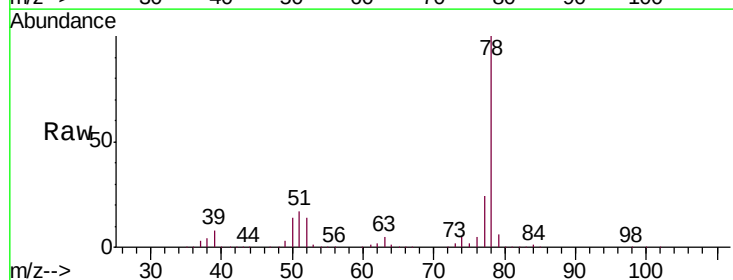
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

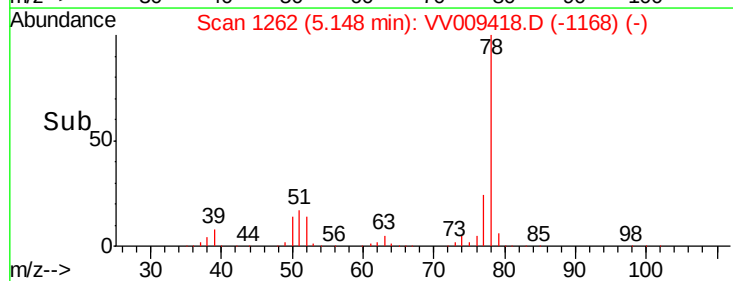
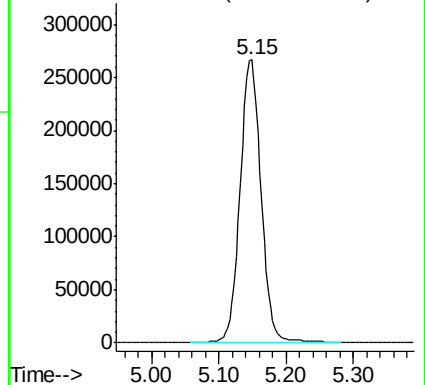
Lab File: VV009418.D

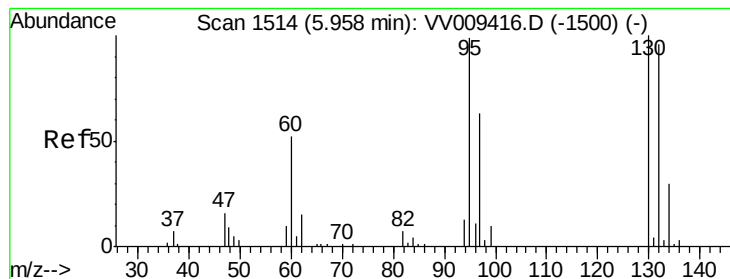
Acq: 28 Feb 2019 12:18

Tgt Ion: 78 Resp: 579652



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 17.066 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. -0.00 min

Lab File: VV009418.D

Acq: 28 Feb 2019 12:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD02065

Tgt Ion: 95 Resp: 162054

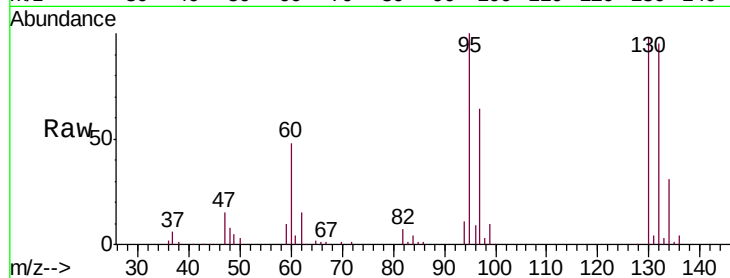
Ion Ratio Lower Upper

95 100

97 63.8 44.2 82.2

132 94.7 67.8 126.0

130 98.0 70.4 130.8

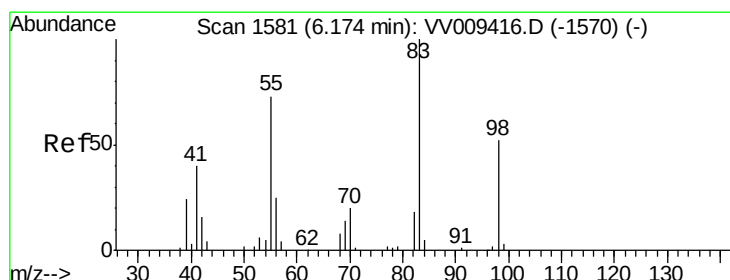
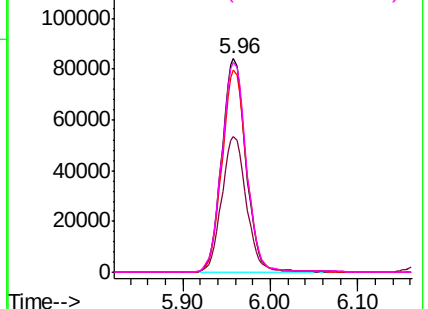
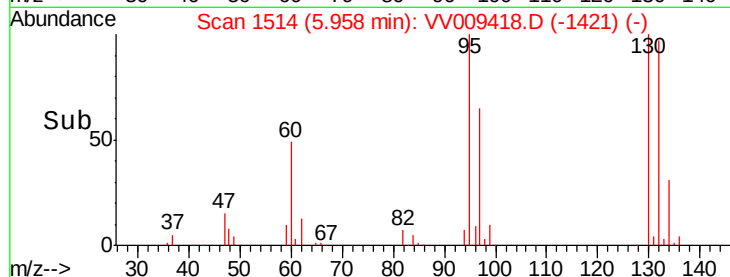


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 18.236 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VV009418.D

Acq: 28 Feb 2019 12:18

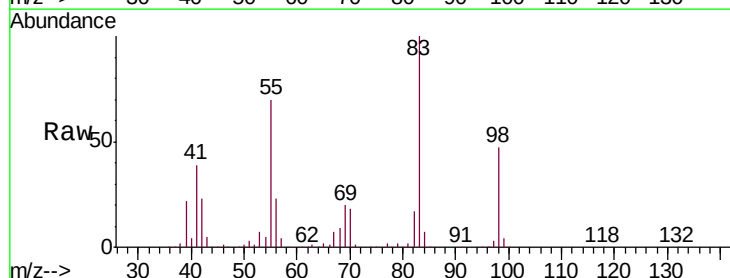
Tgt Ion: 83 Resp: 272882

Ion Ratio Lower Upper

83 100

55 69.2 59.8 89.8

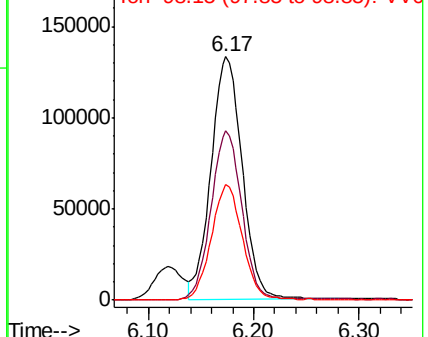
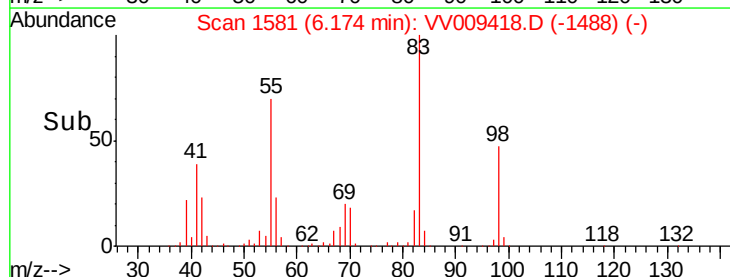
98 48.0 39.9 59.9

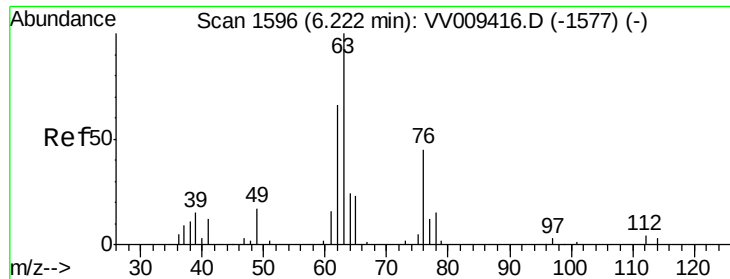


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

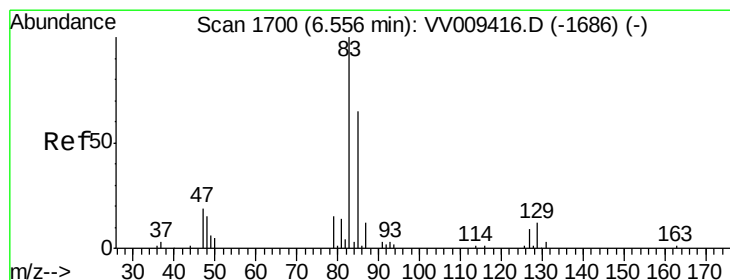
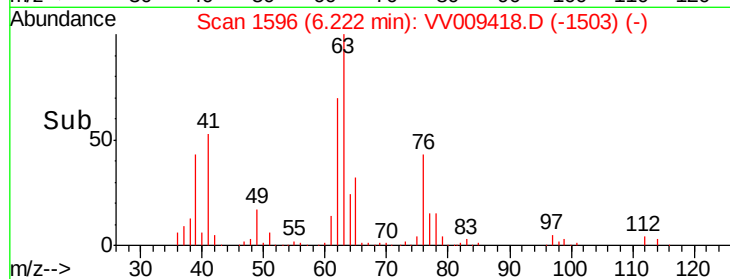
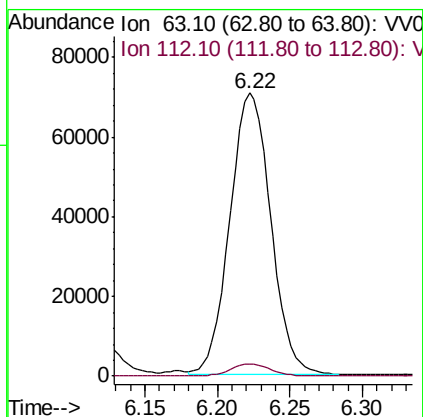
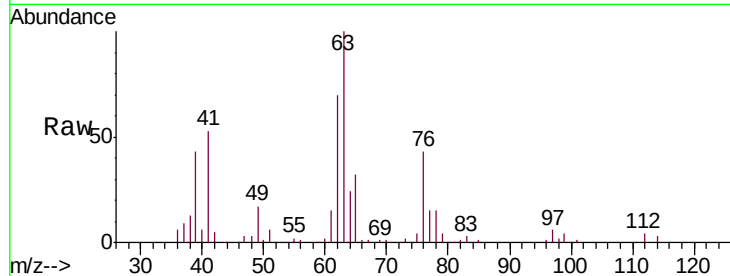




#37
 1,2-Dichloropropane
 Concen: 17.294 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. -0.00 min
 Lab File: VV009418.D
 Acq: 28 Feb 2019 12:18

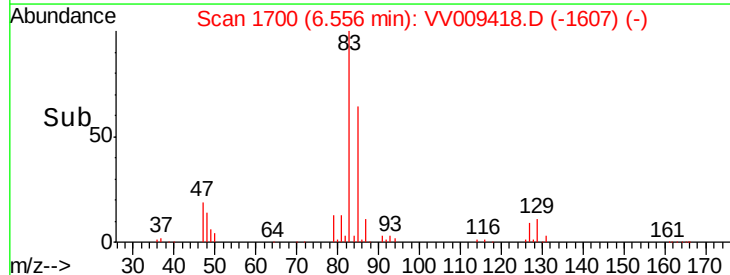
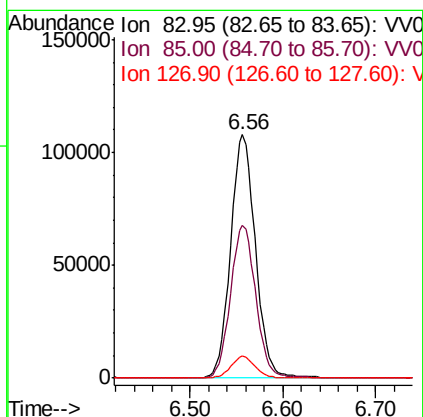
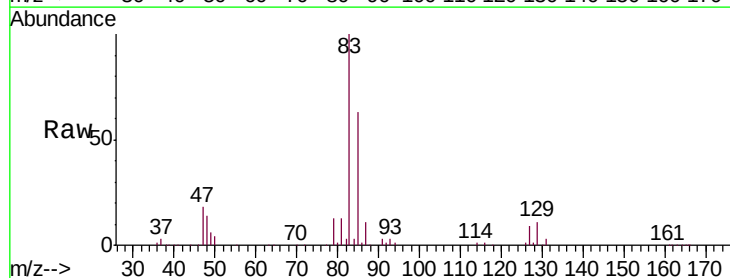
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02065

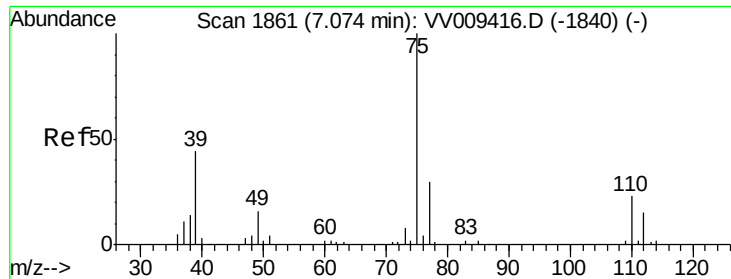
Tgt Ion: 63 Resp: 137731
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.1 4.7



#38
 Bromodichloromethane
 Concen: 19.637 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. -0.00 min
 Lab File: VV009418.D
 Acq: 28 Feb 2019 12:18

Tgt Ion: 83 Resp: 199464
 Ion Ratio Lower Upper
 83 100
 85 63.0 45.2 84.0
 127 9.2 7.1 10.7

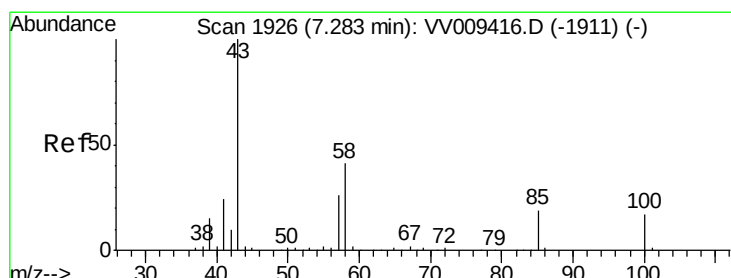
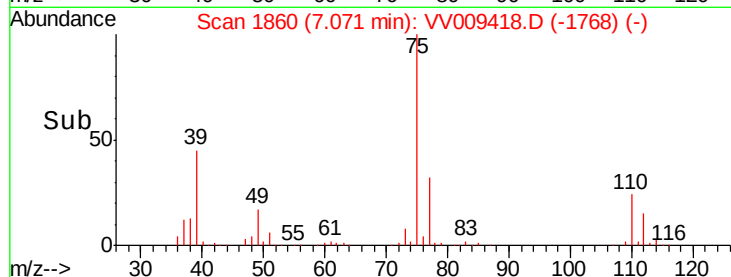
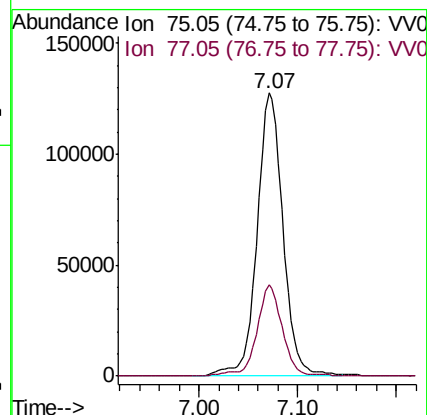
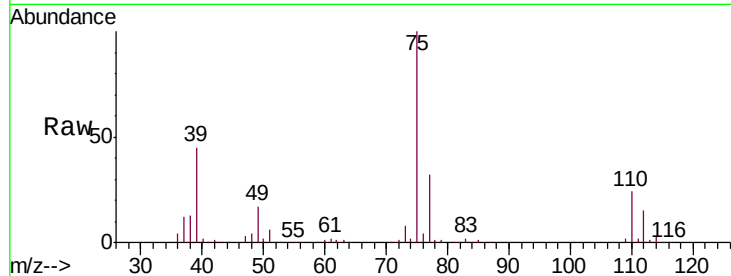




#39
 cis-1,3-Dichloropropene
 Concen: 19.988 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VV009418.D
 Acq: 28 Feb 2019 12:18

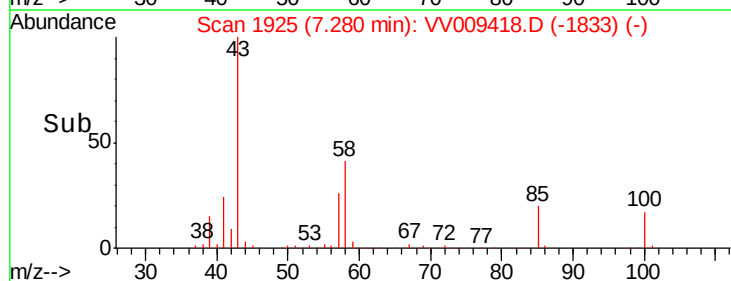
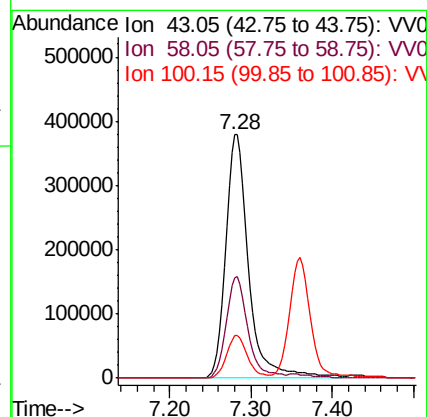
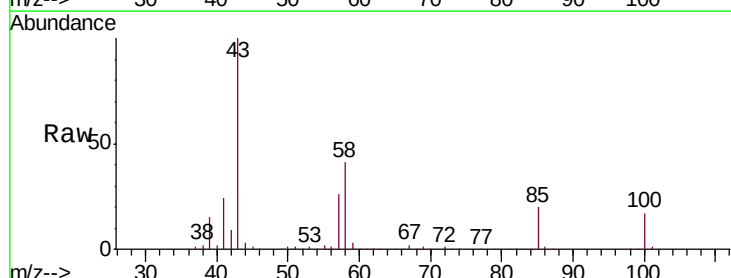
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02065

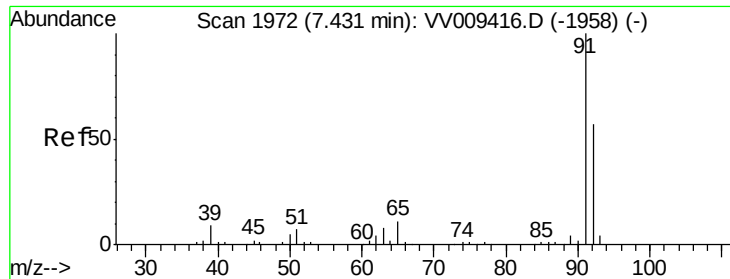
Tgt Ion: 75 Resp: 230609
 Ion Ratio Lower Upper
 75 100
 77 32.2 21.1 39.1



#40
 4-Methyl-2-pentanone
 Concen: 183.620 ug/L
 RT: 7.28 min Scan# 1925
 Delta R.T. -0.00 min
 Lab File: VV009418.D
 Acq: 28 Feb 2019 12:18

Tgt Ion: 43 Resp: 751503
 Ion Ratio Lower Upper
 43 100
 58 39.5 32.7 49.1
 100 16.1 12.4 18.6





#42

Toluene

Concen: 18.807 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV009418.D

Acq: 28 Feb 2019 12:18

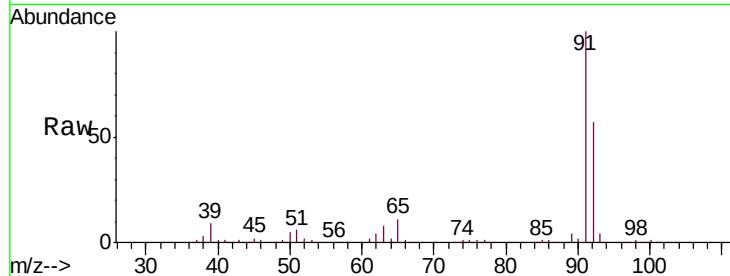
Instrument :
MSVOA_V
ClientSampleId :
VSTD02065

Tgt Ion: 91 Resp: 671464

Ion Ratio Lower Upper

91 100

92 57.3 39.8 73.8



Abundance Ion 91.15 (90.85 to 91.85): VV009418.D (-1879) (-)

Ion 92.15 (91.85 to 92.85): VV009418.D (-1879) (-)

7.43

400000

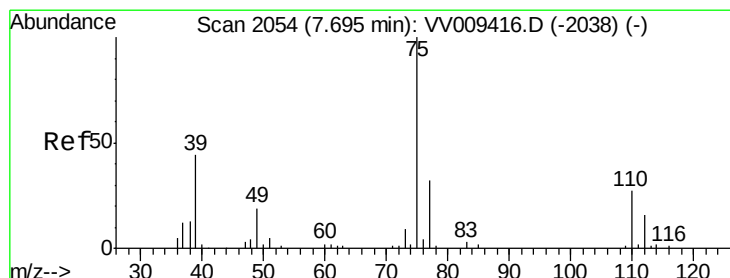
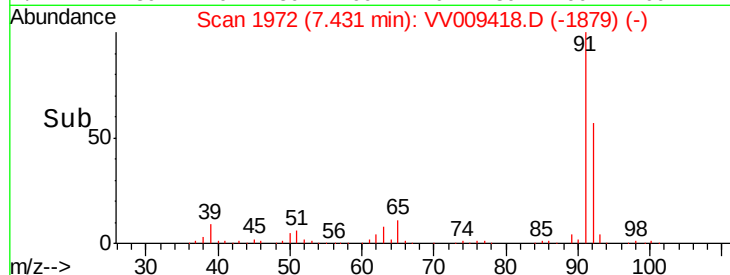
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 21.392 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. -0.00 min

Lab File: VV009418.D

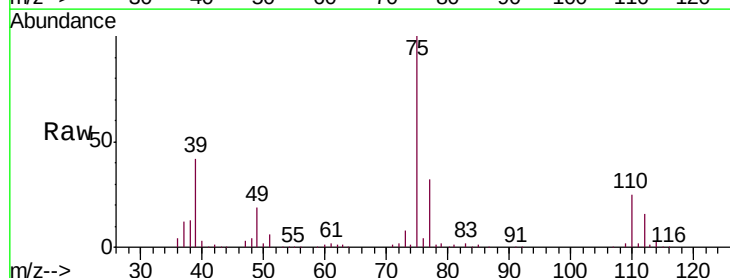
Acq: 28 Feb 2019 12:18

Tgt Ion: 75 Resp: 190838

Ion Ratio Lower Upper

75 100

77 31.7 22.2 41.2



Abundance Ion 75.05 (74.75 to 75.75): VV009418.D (-1961) (-)

Ion 77.05 (76.75 to 77.75): VV009418.D (-1961) (-)

7.69

120000

100000

80000

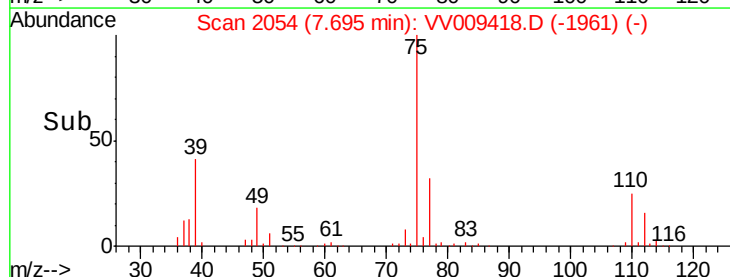
60000

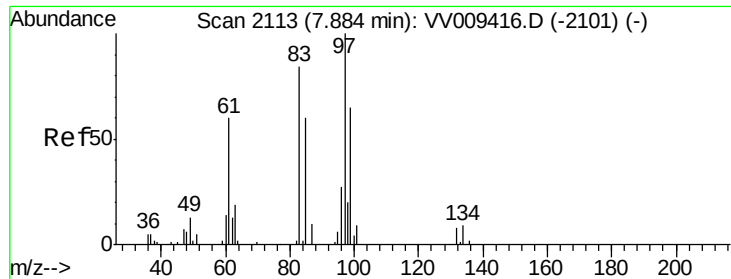
40000

20000

0

Time-->

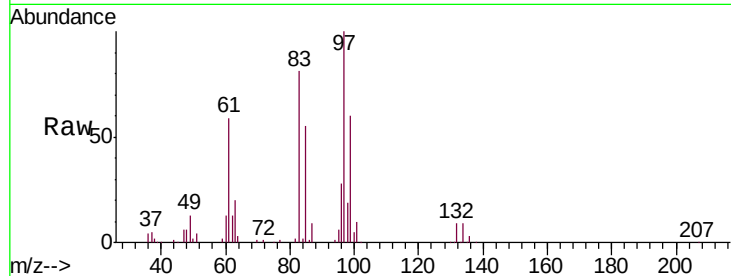




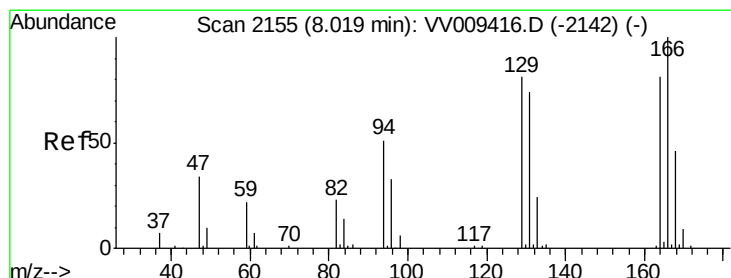
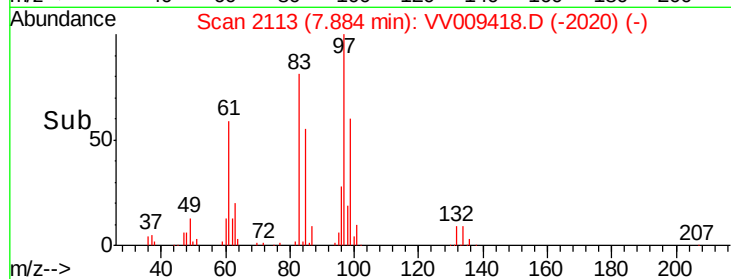
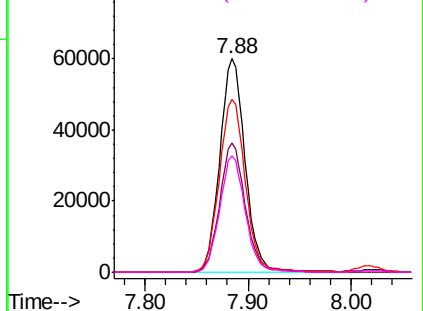
#45
 1,1,2-Trichloroethane
 Concen: 18.095 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VV009418.D
 Acq: 28 Feb 2019 12:18

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02065

Tgt Ion:	97	Resp:	102369
Ion	Ratio	Lower	Upper
97	100		
99	60.4	45.4	84.4
83	81.1	58.8	109.2
85	54.8	41.9	77.7

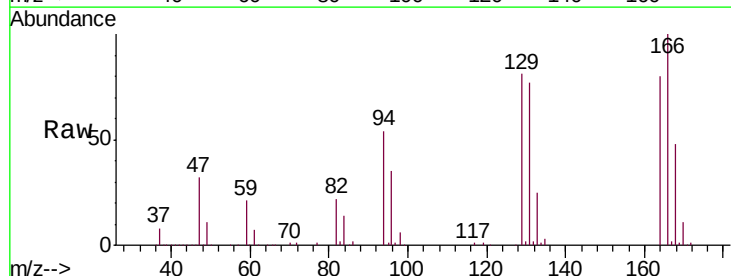


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

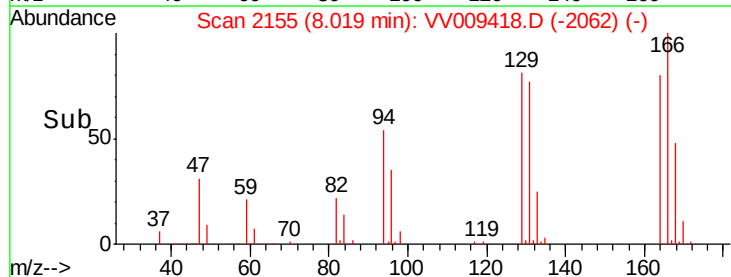
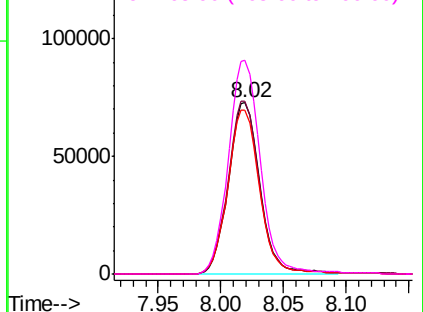


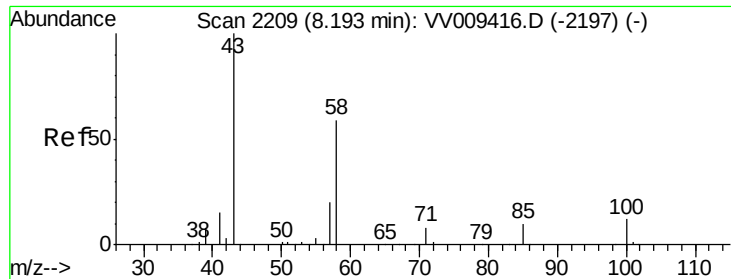
#47
 Tetrachloroethene
 Concen: 16.849 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. -0.00 min
 Lab File: VV009418.D
 Acq: 28 Feb 2019 12:18

Tgt Ion:	164	Resp:	127228
Ion	Ratio	Lower	Upper
164	100		
129	101.1	69.3	128.7
131	95.8	64.0	118.8
166	125.0	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

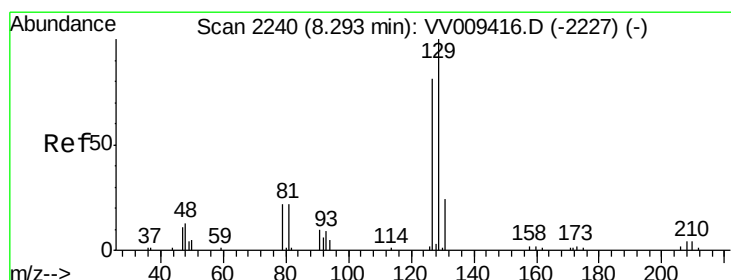
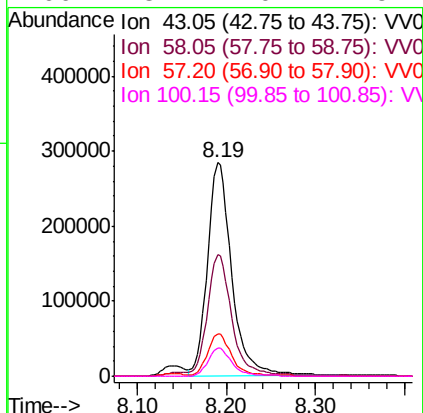
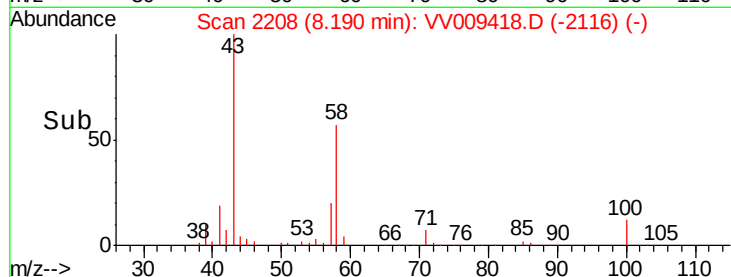
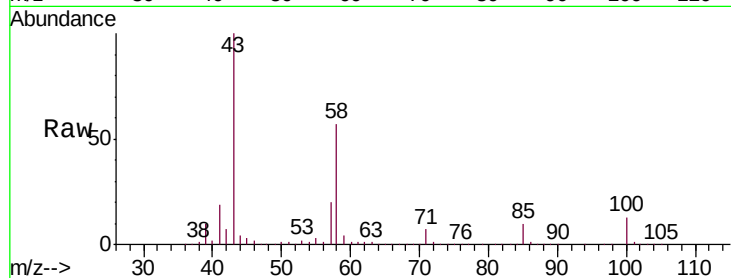




#48
2-Hexanone
Concen: 186.288 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VV009418.D
Acq: 28 Feb 2019 12:18

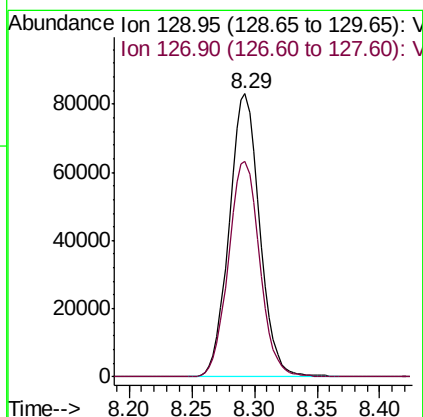
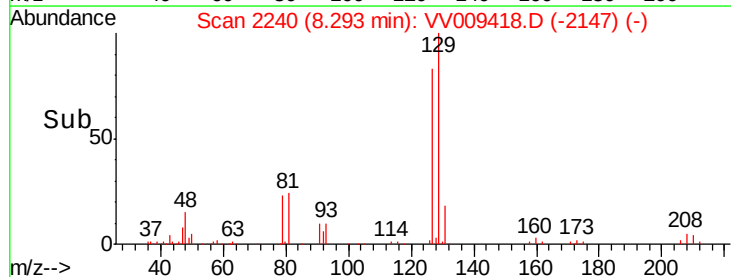
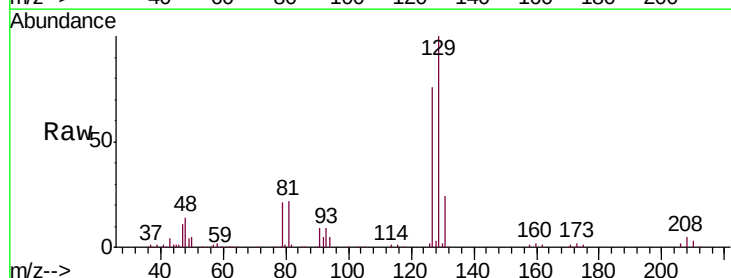
Instrument :
MSVOA_V
ClientSampleId :
VSTD02065

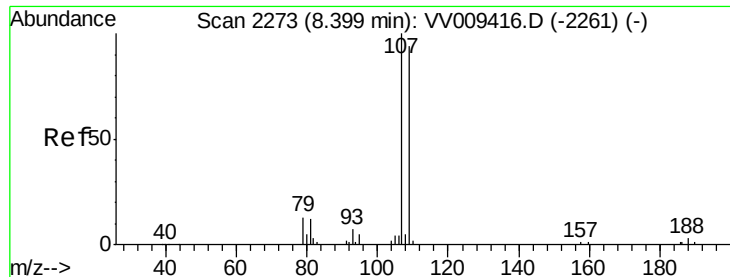
Tgt Ion: 43 Resp: 535828
Ion Ratio Lower Upper
43 100
58 57.6 45.2 67.8
57 19.9 16.0 24.0
100 13.1 10.2 15.4



#49
Dibromochloromethane
Concen: 20.896 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VV009418.D
Acq: 28 Feb 2019 12:18

Tgt Ion: 129 Resp: 140248
Ion Ratio Lower Upper
129 100
127 76.3 56.6 105.2

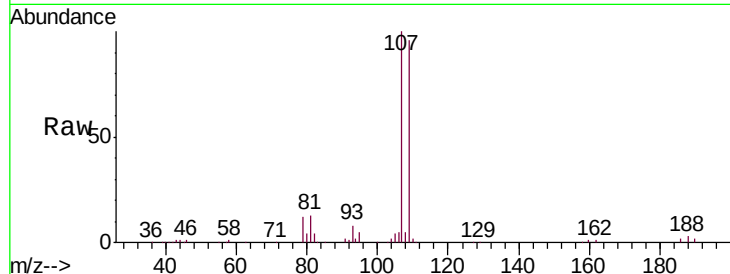




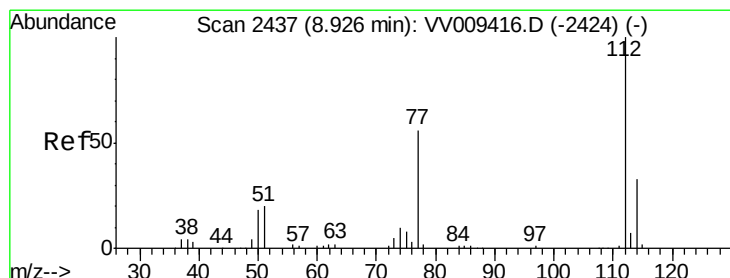
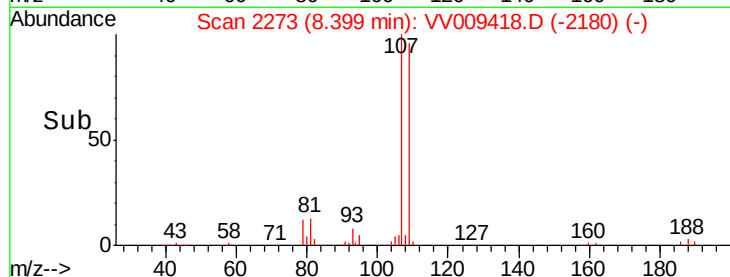
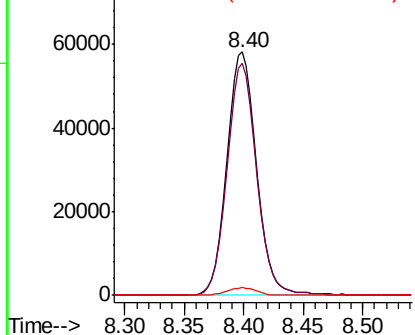
#50
1,2-Dibromoethane
Concen: 18.934 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VV009418.D
Acq: 28 Feb 2019 12:18

Instrument :
MSVOA_V
ClientSampleId :
VSTD02065

Tgt Ion:107 Resp: 100544
Ion Ratio Lower Upper
107 100
109 95.6 65.7 121.9
188 3.1 2.4 3.6

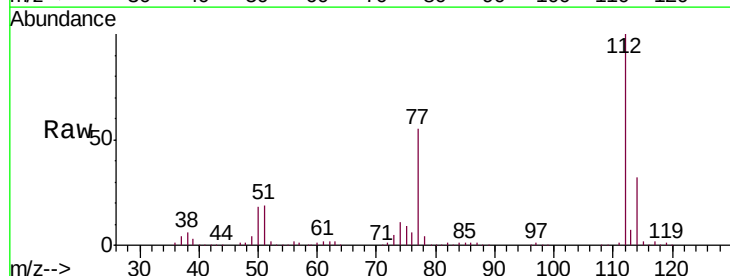


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

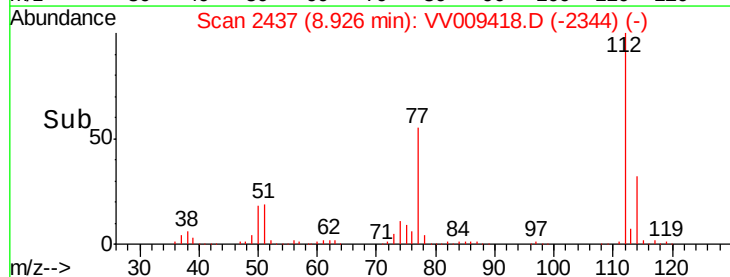
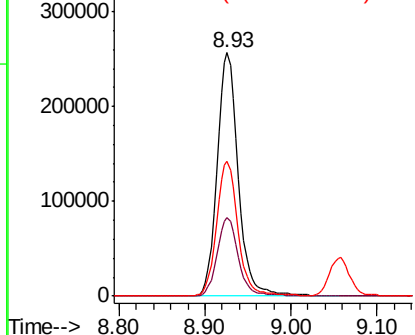


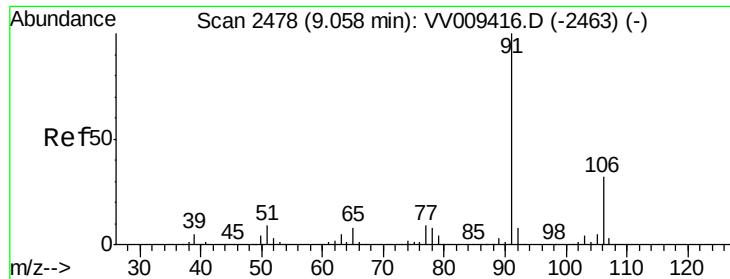
#51
Chlorobenzene
Concen: 18.619 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. -0.00 min
Lab File: VV009418.D
Acq: 28 Feb 2019 12:18

Tgt Ion:112 Resp: 438752
Ion Ratio Lower Upper
112 100
114 32.2 23.2 43.2
77 55.4 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: 19.505 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV009418.D

Acq: 28 Feb 2019 12:18

Instrument :

MSVOA_V

ClientSampleId :

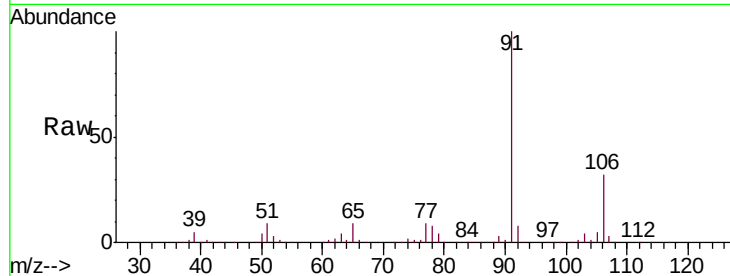
VSTD02065

Tgt Ion: 91 Resp: 768314

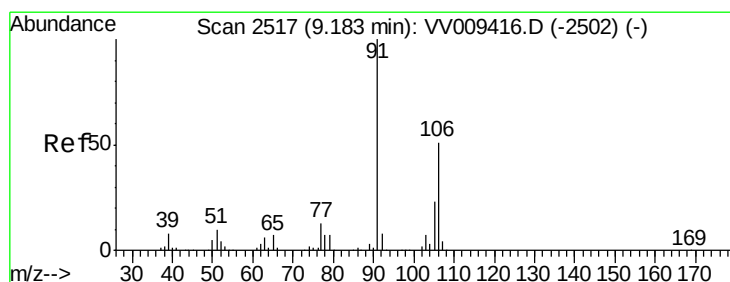
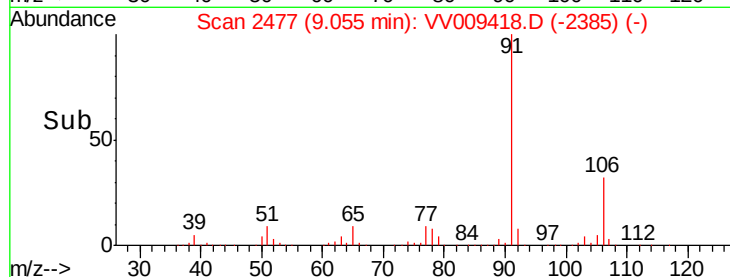
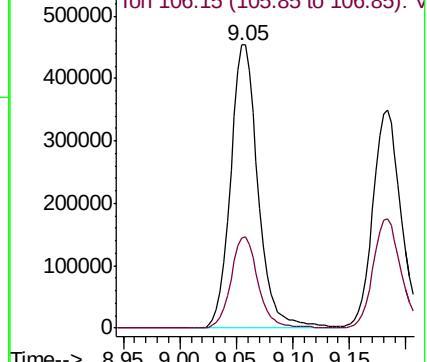
Ion Ratio Lower Upper

91 100

106 32.0 22.2 41.2



Abundance Ion 91.15 (90.85 to 91.85): VV009418.D (-2463) (-)



#53

m,p-xylene

Concen: 19.861 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV009418.D

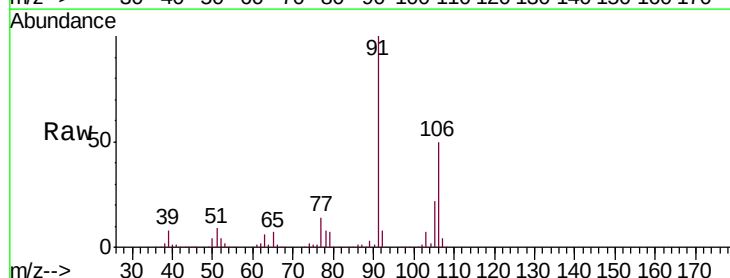
Acq: 28 Feb 2019 12:18

Tgt Ion: 106 Resp: 300648

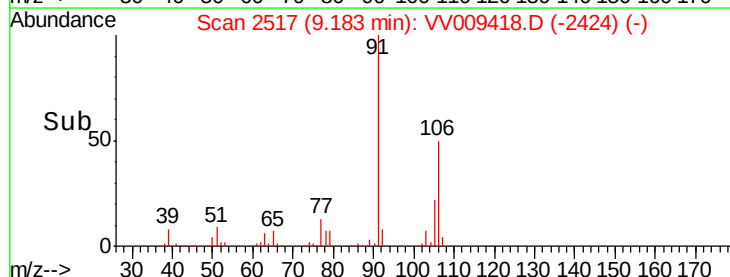
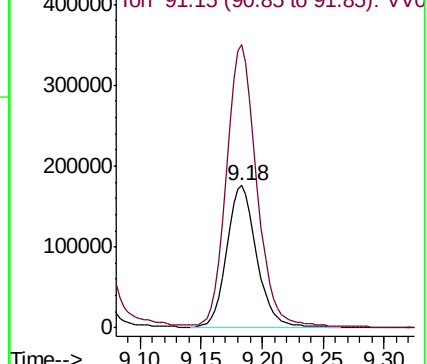
Ion Ratio Lower Upper

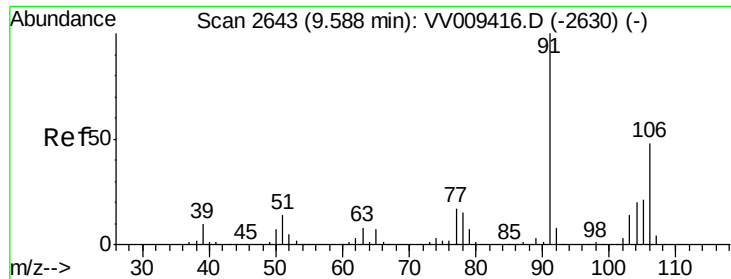
106 100

91 198.8 138.9 258.1



Abundance Ion 106.15 (105.85 to 106.85): VV009418.D (-2502) (-)





#54

o-xylene

Concen: 20.073 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. -0.00 min

Lab File: VV009418.D

Acq: 28 Feb 2019 12:18

Instrument :

MSVOA_V

ClientSampleId :

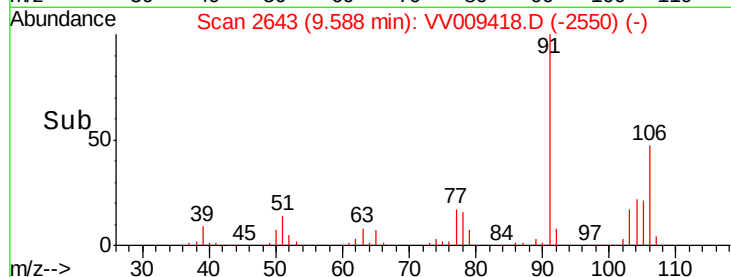
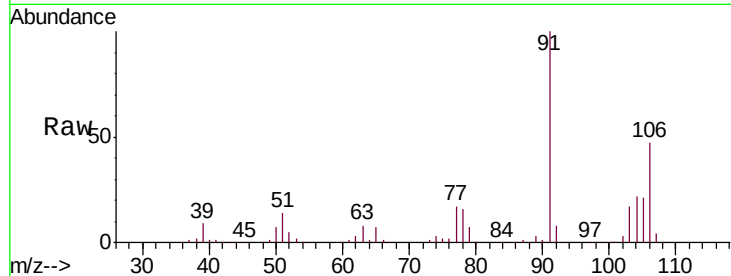
VSTD02065

Tgt Ion:106 Resp: 291394

Ion Ratio Lower Upper

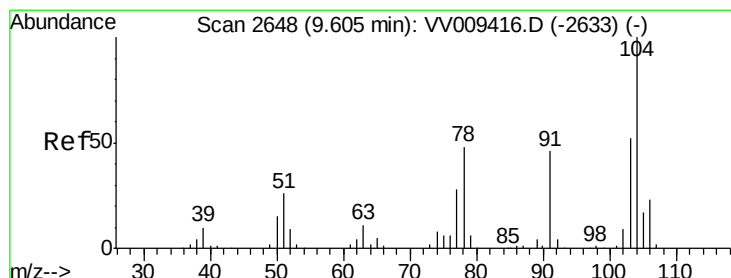
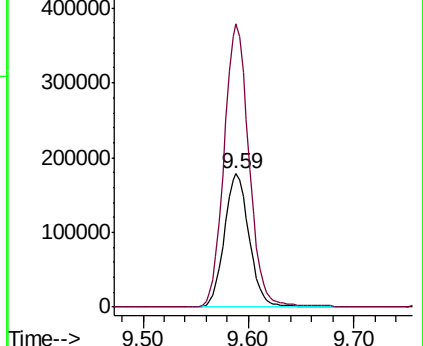
106 100

91 212.1 146.3 271.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 20.523 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. -0.00 min

Lab File: VV009418.D

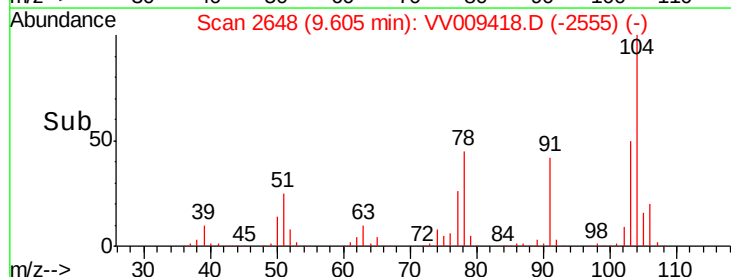
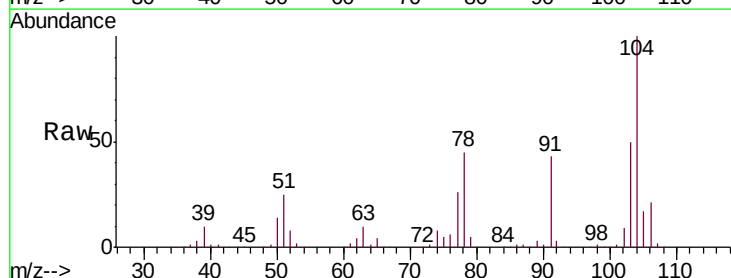
Acq: 28 Feb 2019 12:18

Tgt Ion:104 Resp: 487308

Ion Ratio Lower Upper

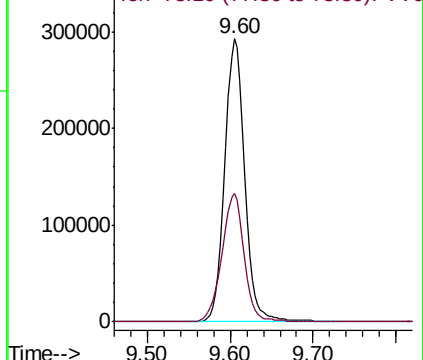
104 100

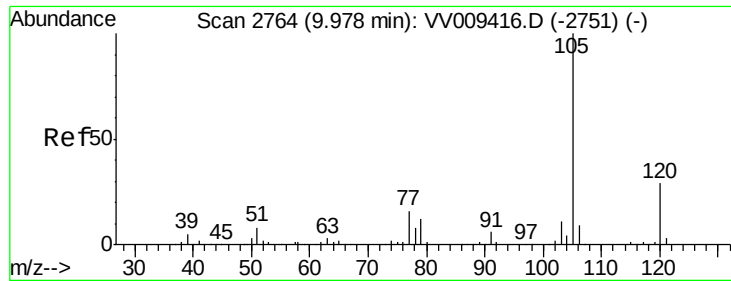
78 45.5 33.4 62.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 20.333 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. -0.00 min

Lab File: VV009418.D

Acq: 28 Feb 2019 12:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD02065

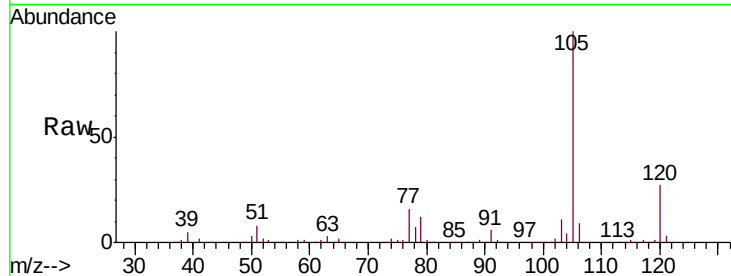
Tgt Ion: 105 Resp: 793622

Ion Ratio Lower Upper

105 100

120 27.1 22.1 33.1

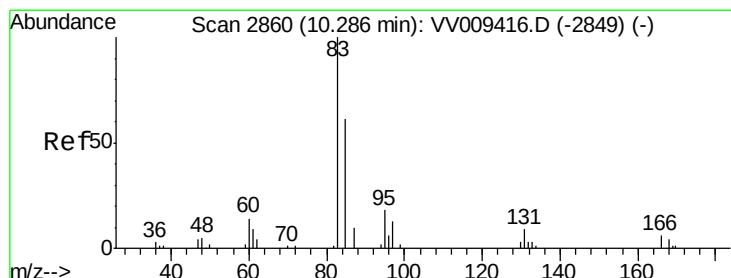
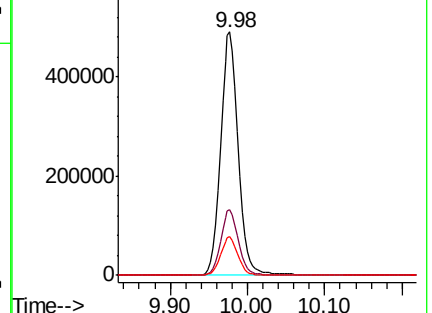
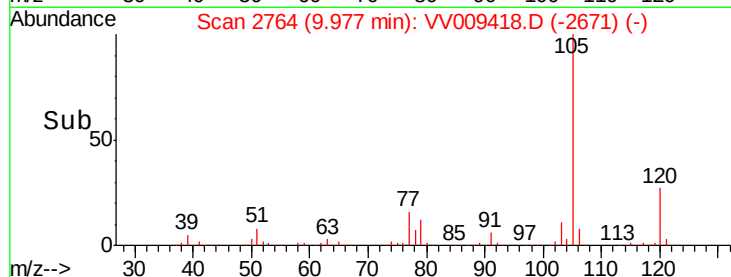
77 15.6 12.8 19.2



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: 21.074 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV009418.D

Acq: 28 Feb 2019 12:18

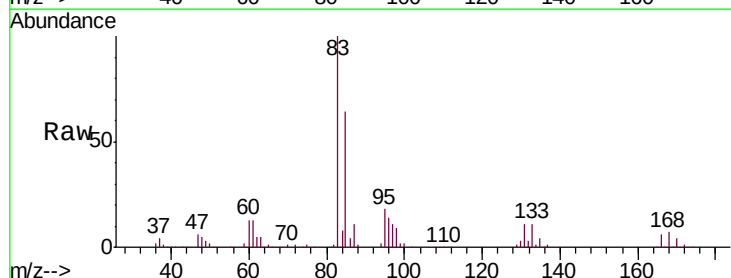
Tgt Ion: 83 Resp: 124006

Ion Ratio Lower Upper

83 100

85 64.3 43.4 80.6

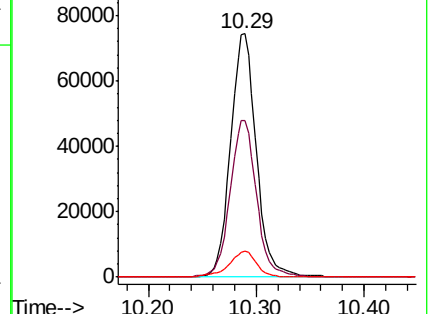
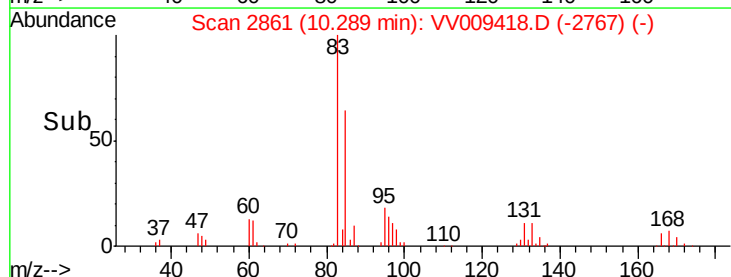
131 10.5 8.2 12.4

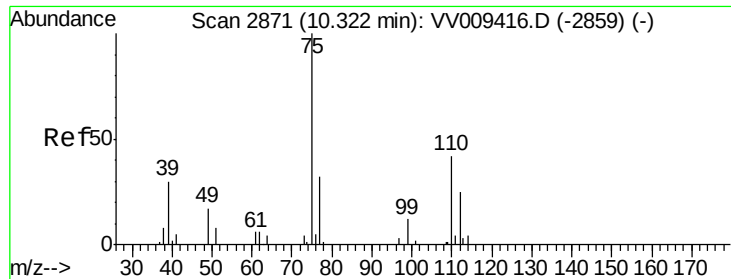


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 17.923 ug/L

RT: 10.32 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VV009418.D

Acq: 28 Feb 2019 12:18

Instrument :

MSVOA_V

ClientSampled :

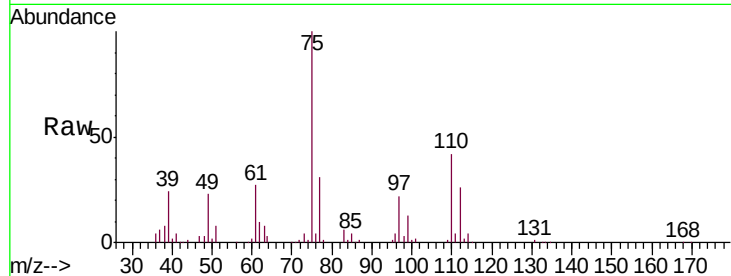
VSTD02065

Tgt Ion: 75 Resp: 85195

Ion Ratio Lower Upper

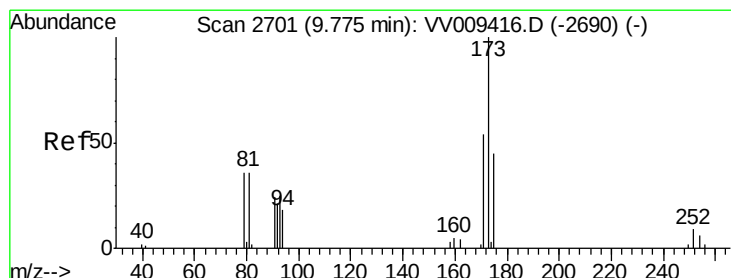
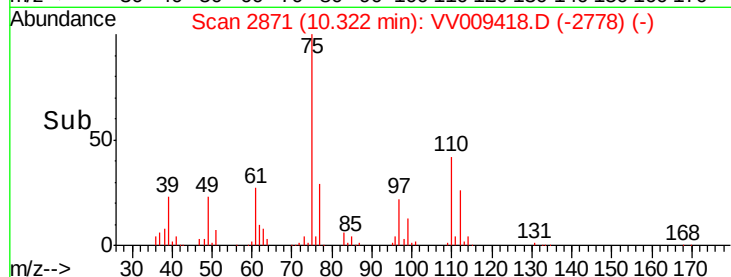
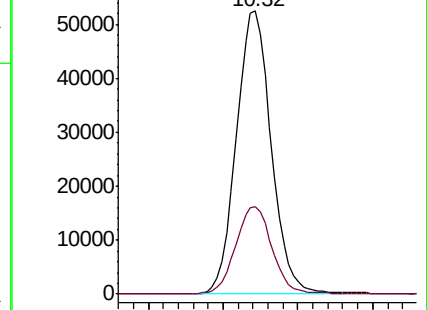
75 100

77 32.5 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VV009416.D (-2859) (-)

Ion 77.00 (76.70 to 77.70): VV009416.D (-2859) (-)



#61

Bromoform

Concen: 21.481 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VV009418.D

Acq: 28 Feb 2019 12:18

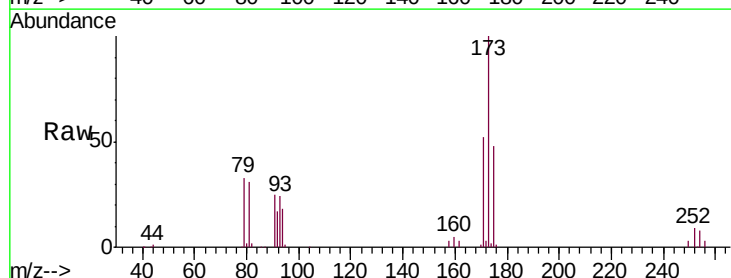
Tgt Ion: 173 Resp: 75083

Ion Ratio Lower Upper

173 100

175 48.4 37.4 56.0

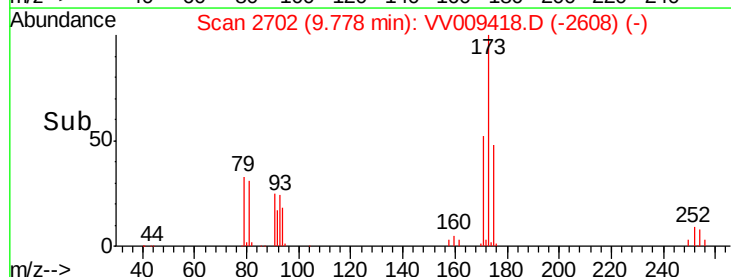
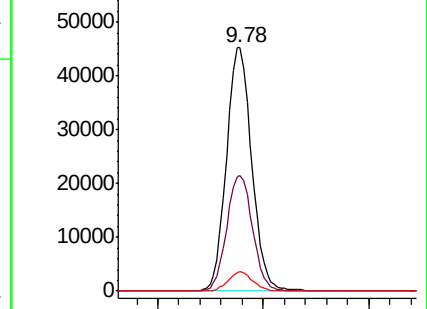
254 7.6 5.8 8.6

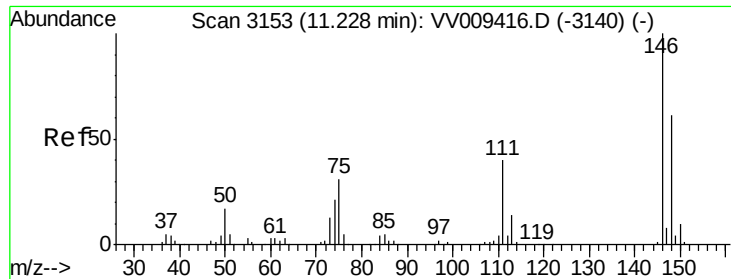


Abundance Ion 172.90 (172.60 to 173.60): VV009416.D (-2690) (-)

Ion 174.90 (174.60 to 175.60): VV009416.D (-2690) (-)

Ion 253.75 (253.45 to 254.45): VV009416.D (-2690) (-)





#62

1,3-Dichlorobenzene

Concen: 18.445 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. -0.00 min

Lab File: VV009418.D

Acq: 28 Feb 2019 12:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD02065

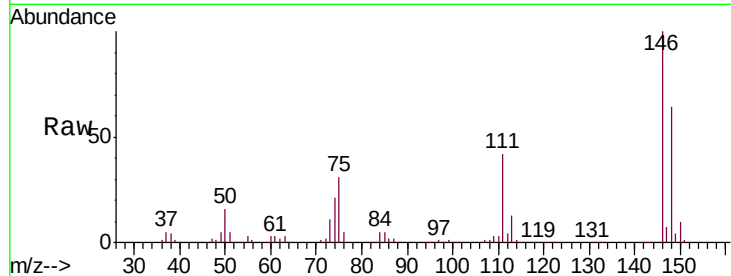
Tgt Ion:146 Resp: 347408

Ion Ratio Lower Upper

146 100

111 42.1 27.9 51.9

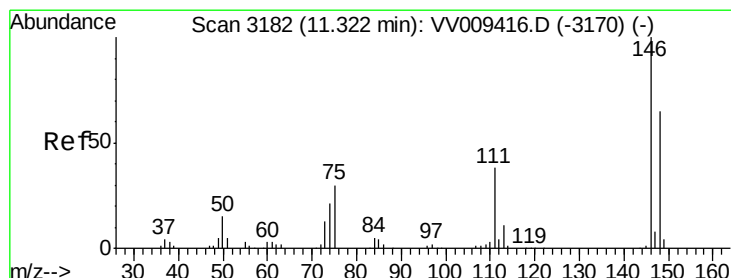
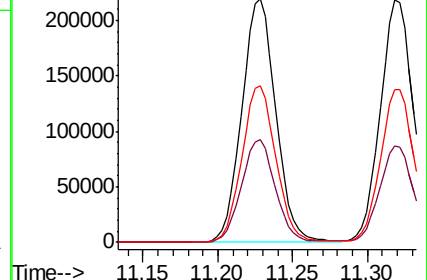
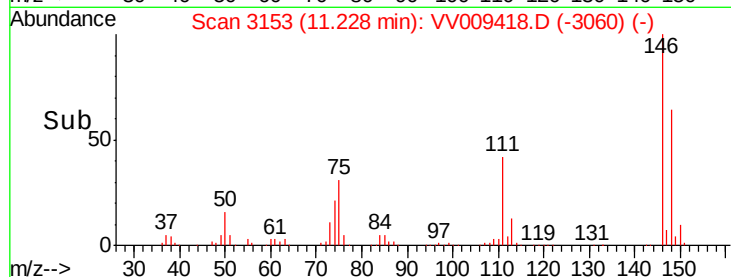
148 64.4 42.6 79.2



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: 18.101 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. -0.00 min

Lab File: VV009418.D

Acq: 28 Feb 2019 12:18

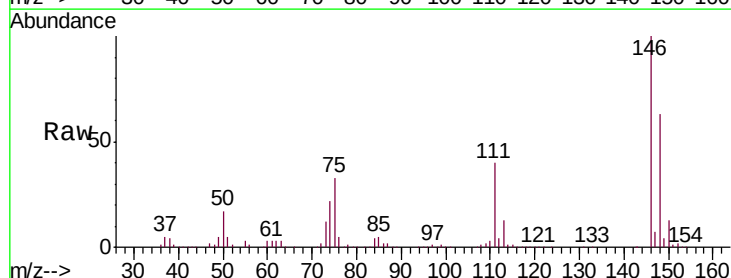
Tgt Ion:146 Resp: 344582

Ion Ratio Lower Upper

146 100

111 40.0 27.2 50.4

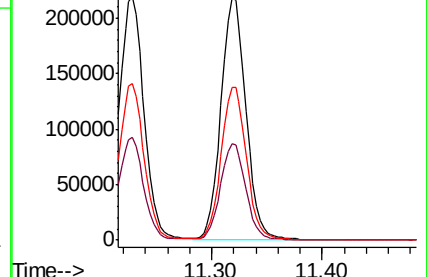
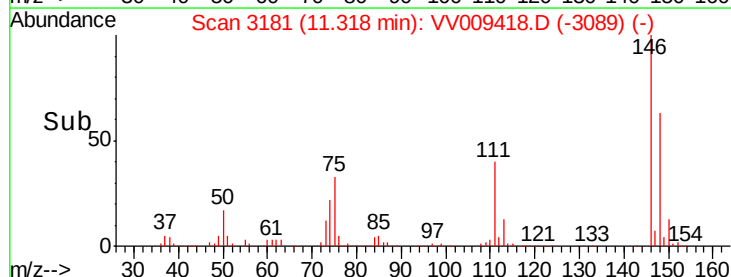
148 62.9 45.7 84.9

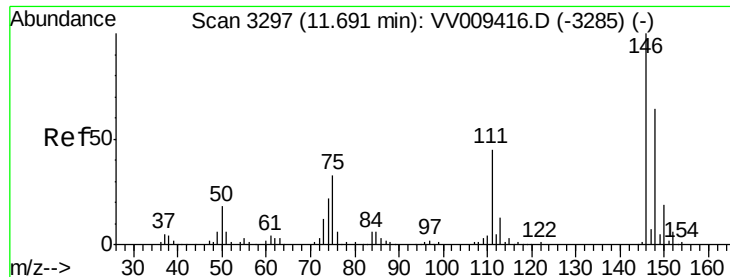


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 18.377 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. -0.00 min

Lab File: VV009418.D

Acq: 28 Feb 2019 12:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD02065

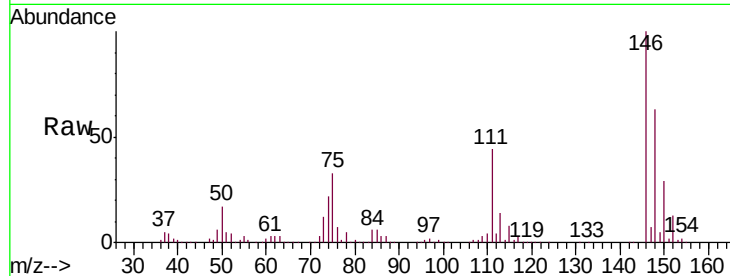
Tgt Ion: 146 Resp: 317307

Ion Ratio Lower Upper

146 100

111 44.0 35.6 53.4

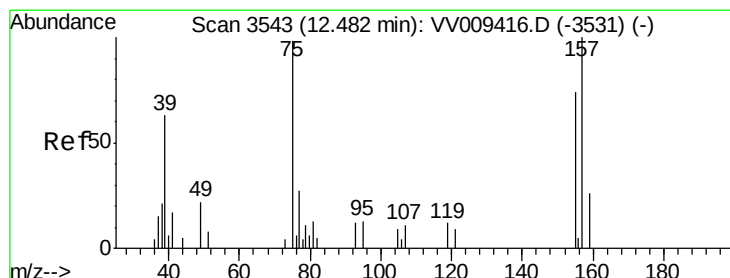
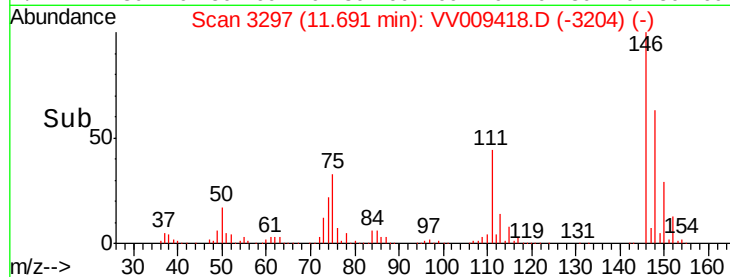
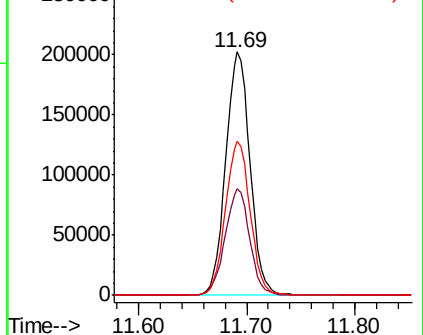
148 63.2 50.9 76.3



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: 23.372 ug/L

RT: 12.48 min Scan# 3542

Delta R.T. -0.00 min

Lab File: VV009418.D

Acq: 28 Feb 2019 12:18

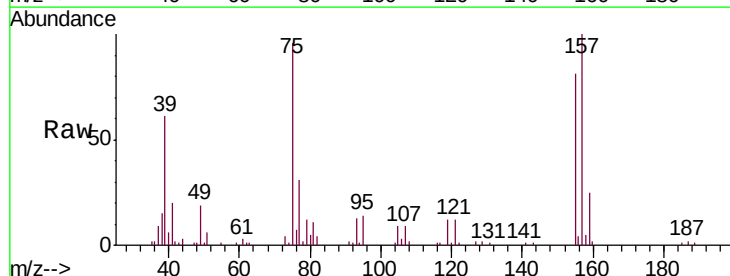
Tgt Ion: 75 Resp: 21740

Ion Ratio Lower Upper

75 100

155 83.8 60.8 91.2

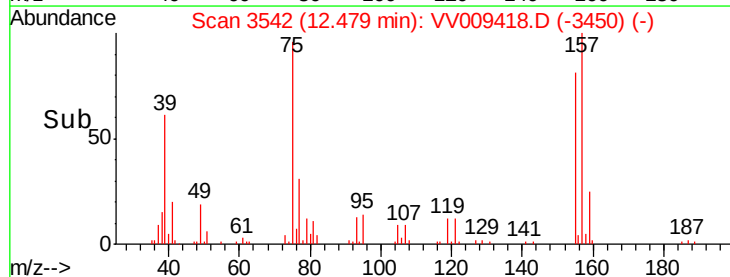
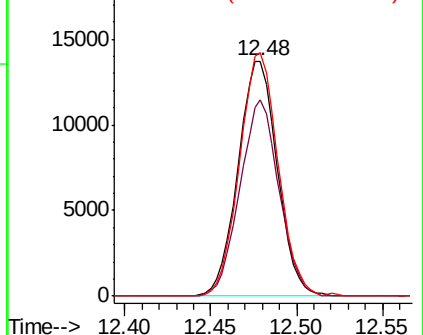
157 103.7 81.7 122.5

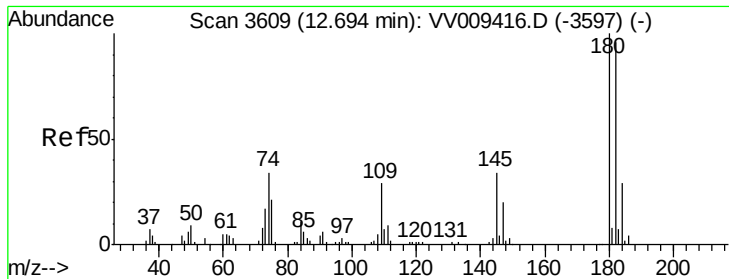


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

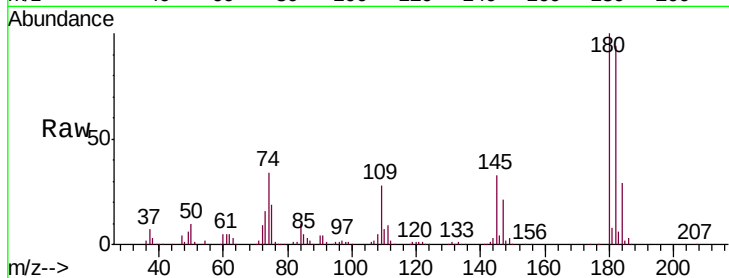




#67
 1,3,5-Trichlorobenzene
 Concen: 18.464 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VV009418.D
 Acq: 28 Feb 2019 12:18

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02065

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	75.5	113.3
184	29.4	23.4	35.0
145	33.0	26.6	40.0



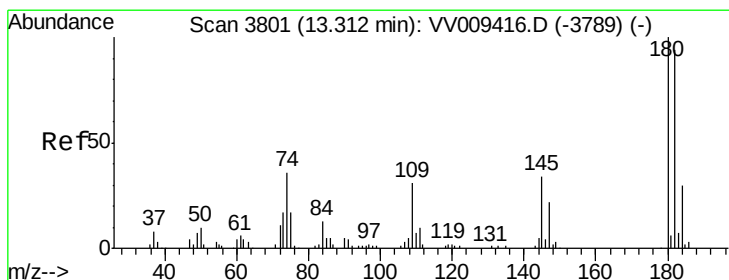
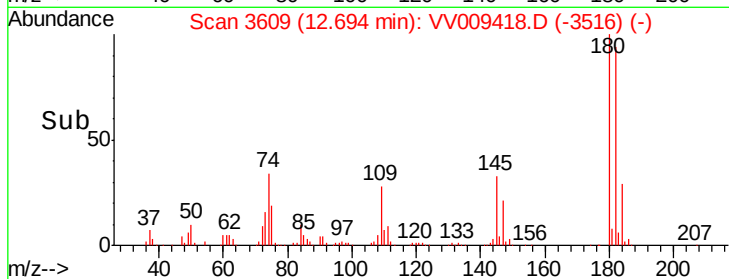
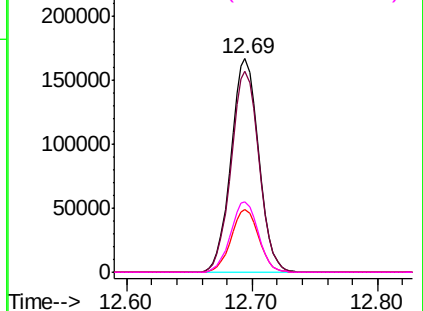
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

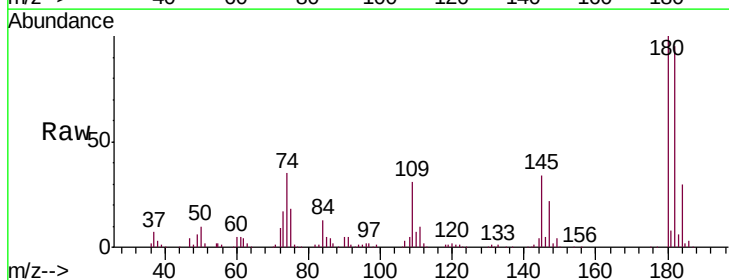
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 20.636 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. -0.00 min
 Lab File: VV009418.D
 Acq: 28 Feb 2019 12:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.3	74.7	112.1
145	34.0	26.6	39.8

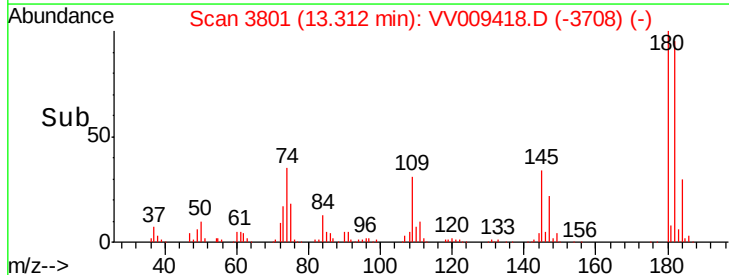
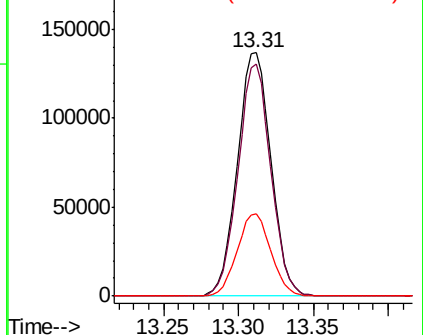


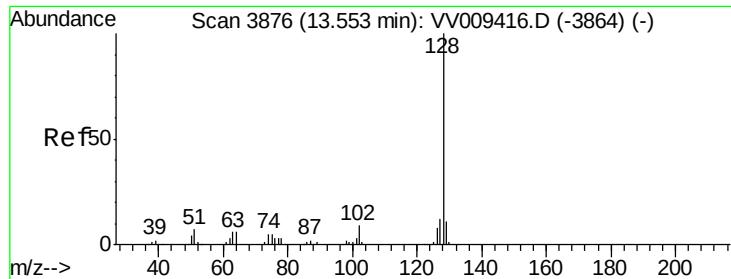
Abundance

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: 24.236 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. -0.00 min

Lab File: VV009418.D

Acq: 28 Feb 2019 12:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD02065

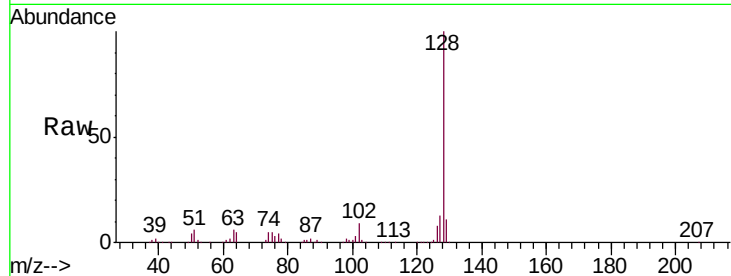
Tgt Ion:128 Resp: 373176

Ion Ratio Lower Upper

128 100

129 10.7 8.5 12.7

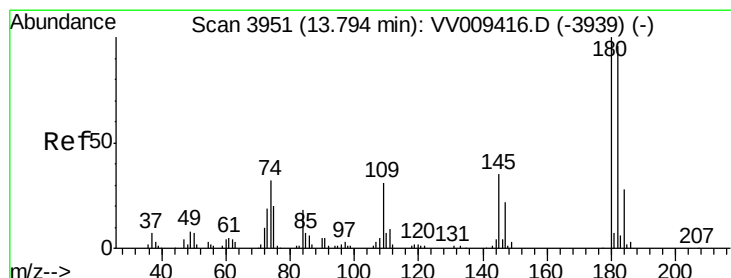
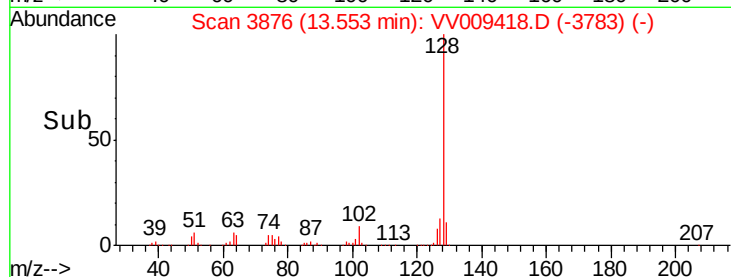
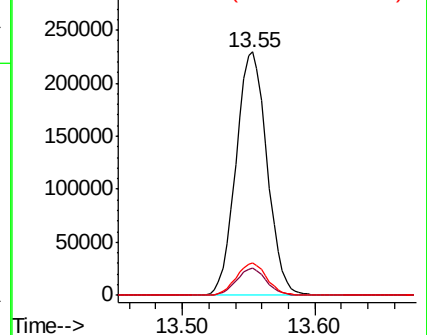
127 13.1 10.1 15.1



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: 19.666 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. -0.00 min

Lab File: VV009418.D

Acq: 28 Feb 2019 12:18

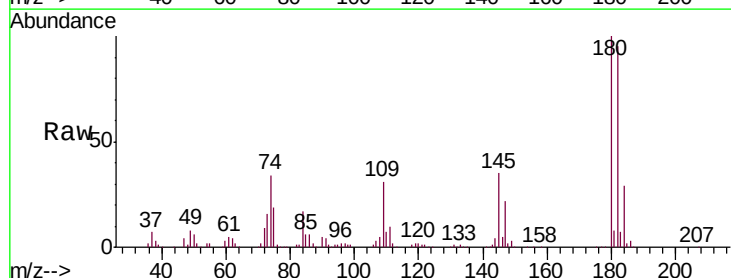
Tgt Ion:180 Resp: 189074

Ion Ratio Lower Upper

180 100

182 95.1 75.7 113.5

145 35.2 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

