

Data File : VV009414.D
Acq On : 28 Feb 2019 10:35
Operator : SY/MD
Sample : VSTD0.561
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.561

Quant Time: Mar 01 03:27:24 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	115829	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	109841	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	51980	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	3393	0.54	ug/L	0.00
7) Chloroethane-d5	1.58	69	3251	0.68	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.14	63	8280	0.64	ug/L	0.00
20) 2-Butanone-d5	3.96	46	4819	3.24	ug/L	0.00
24) Chloroform-d	4.40	84	5914	0.42	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	2844	0.42	ug/L	0.00
32) Benzene-d6	5.10	84	11193	0.40	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	3578	0.43	ug/L	0.00
41) Toluene-d8	7.36	98	11968	0.44	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	1600	0.50	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	4706	3.94	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	2626	0.46	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	4059	0.42	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	4140	0.401 ug/L	94
3) Chloromethane	1.25	50	4424	0.594 ug/L	100
5) Vinyl chloride	1.32	62	4517	0.584 ug/L #	67
6) Bromomethane	1.54	94	3415	0.729 ug/L	98
8) Chloroethane	1.60	64	3125	0.687 ug/L	97
9) Trichlorofluoromethane	1.77	101	8389	0.628 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	4516	0.637 ug/L #	91
12) 1,1-Dichloroethene	2.14	96	4138	0.669 ug/L	95
13) Acetone	2.21	43	5726	6.312 ug/L	82
14) Carbon disulfide	2.32	76	13632	0.712 ug/L	97
15) Methyl Acetate	2.47	43	1508	0.709 ug/L	91
16) Methylene chloride	2.54	84	5758	0.858 ug/L	91
17) Methyl tert-butyl Ether	2.81	73	10756	0.699 ug/L #	95
18) trans-1,2-Dichloroethene	2.79	96	4583	0.678 ug/L	97
19) 1,1-Dichloroethane	3.23	63	6451	0.480 ug/L	98
21) 2-Butanone	4.06	43	7557	4.857 ug/L	85
22) cis-1,2-Dichloroethene	3.96	96	4537	0.544 ug/L	71
23) Bromochloromethane	4.30	128	1698	0.481 ug/L #	94
25) Chloroform	4.43	83	7848	0.539 ug/L	99
27) 1,2-Dichloroethane	5.18	62	4198	0.505 ug/L #	93
29) 1,1,1-Trichloroethane	4.65	97	6939	0.537 ug/L	94
30) Cyclohexane	4.72	56	7007	0.563 ug/L	99
31) Carbon tetrachloride	4.87	117	5807	0.507 ug/L	90
33) Benzene	5.15	78	15643	0.507 ug/L	100
34) Trichloroethene	5.96	95	4811	0.537 ug/L	89
35) Methylcyclohexane	6.17	83	7689	0.545 ug/L	98
37) 1,2-Dichloropropane	6.23	63	3818	0.508 ug/L #	88
38) Bromodichloromethane	6.56	83	5138	0.536 ug/L	96
39) cis-1,3-Dichloropropene	7.07	75	6113	0.562 ug/L	88
40) 4-Methyl-2-pentanone	7.29	43	21227	5.499 ug/L	96

Data File : VV009414.D
Acq On : 28 Feb 2019 10:35
Operator : SY/MD
Sample : VSTD0.561
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.561

Quant Time: Mar 01 03:27:24 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	17592	0.522	ug/L	98
44) trans-1,3-Dichloropropene	7.70	75	4355	0.518	ug/L	93
45) 1,1,2-Trichloroethane	7.88	97	2741	0.514	ug/L	98
47) Tetrachloroethene	8.02	164	3601	0.506	ug/L	97
48) 2-Hexanone	8.20	43	12751	4.700	ug/L	96
49) Dibromochloromethane	8.29	129	3395	0.536	ug/L	99
50) 1,2-Dibromoethane	8.40	107	2507	0.501	ug/L #	97
51) Chlorobenzene	8.93	112	11639	0.524	ug/L	98
52) Ethylbenzene	9.05	91	20188	0.543	ug/L	96
53) m,p-xylene	9.18	106	7851	0.550	ug/L	91
54) o-xylene	9.59	106	7508	0.548	ug/L	92
55) Styrene	9.60	104	11960	0.534	ug/L	89
56) Isopropylbenzene	9.97	105	19951	0.542	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.29	83	3180	0.573	ug/L	90
59) 1,2,3-Trichloropropane	10.32	75	2252	0.502	ug/L	97
61) Bromoform	9.77	173	1720	0.547	ug/L #	97
62) 1,3-Dichlorobenzene	11.23	146	8975	0.529	ug/L	94
63) 1,4-Dichlorobenzene	11.32	146	8828	0.515	ug/L	88
65) 1,2-Dichlorobenzene	11.69	146	7908	0.509	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.48	75	401	0.479	ug/L	95
67) 1,3,5-Trichlorobenzene	12.70	180	6188	0.497	ug/L	95
68) 1,2,4-trichlorobenzene	13.32	180	4029	0.432	ug/L	99
69) Naphthalene	13.56	128	6577	0.475	ug/L	98
70) 1,2,3-Trichlorobenzene	13.80	180	3947	0.456	ug/L	91

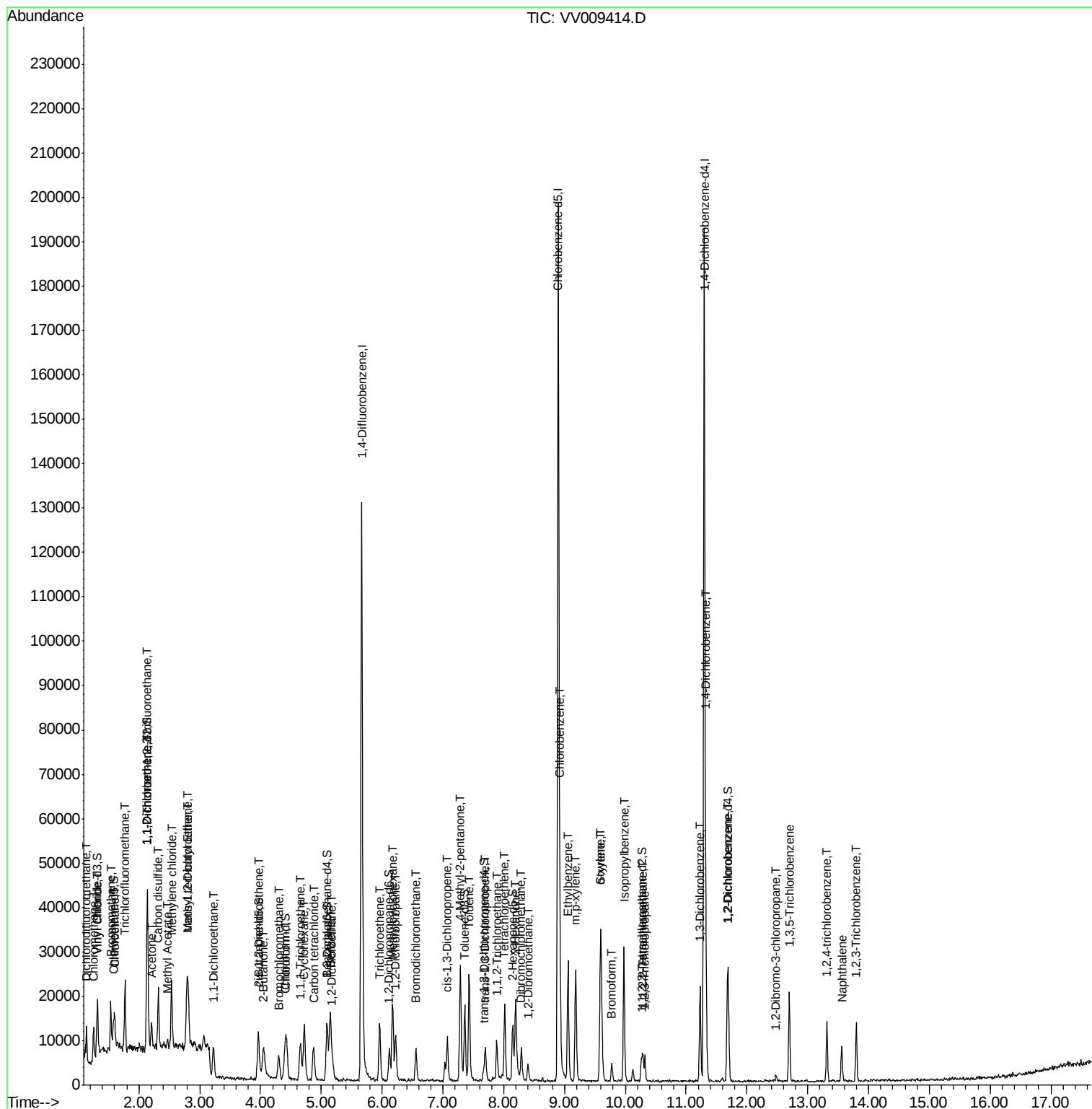
(#) = qualifier out of range (m) = manual integration (+) = signals summed

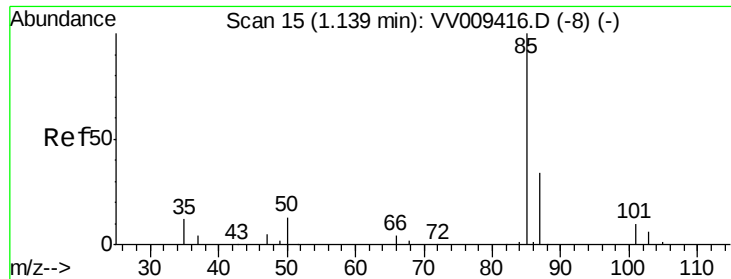
Data File : VV009414.D

```
Acq On       : 28 Feb 2019   10:35
Operator     : SY/MD
Sample       : VSTD0.561
Misc         : 25ML/MSVOA_V/WATER
ALS Vial     : 2      Sample Multiplier: 1
```

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.561

Quant Time: Mar 01 03:27:24 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





#2

Dichlorodifluoromethane

Concen: 0.401 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV009414.D

Acq: 28 Feb 2019 10:35

Instrument :

MSVOA_V

ClientSampleId :

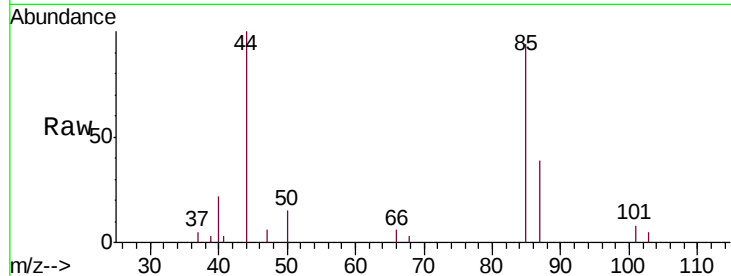
VSTD0.561

Tgt Ion: 85 Resp: 4140

Ion Ratio Lower Upper

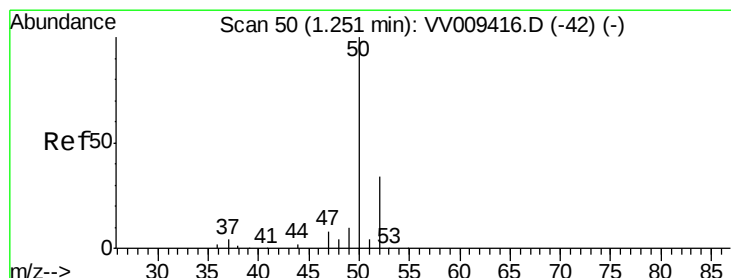
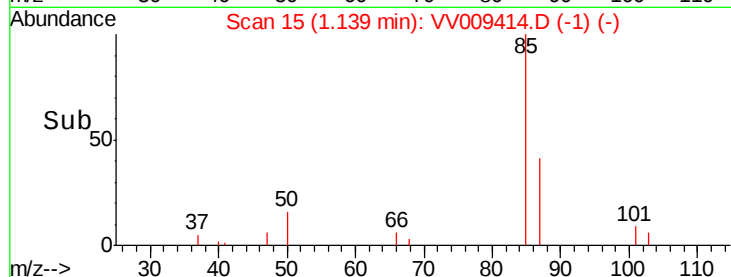
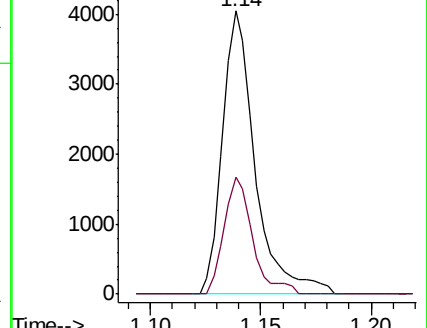
85 100

87 36.0 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VV009414.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV009414.D (-8) (-)



#3

Chloromethane

Concen: 0.594 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV009414.D

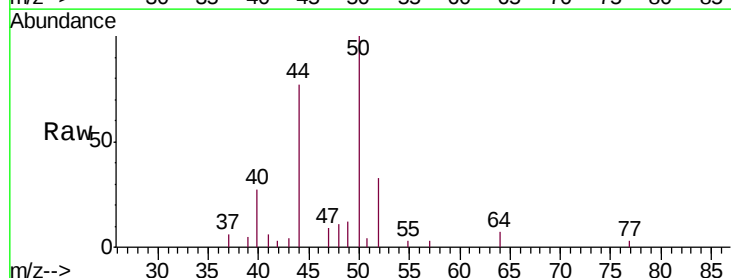
Acq: 28 Feb 2019 10:35

Tgt Ion: 50 Resp: 4424

Ion Ratio Lower Upper

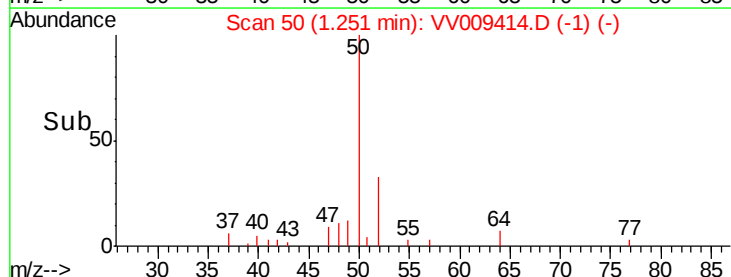
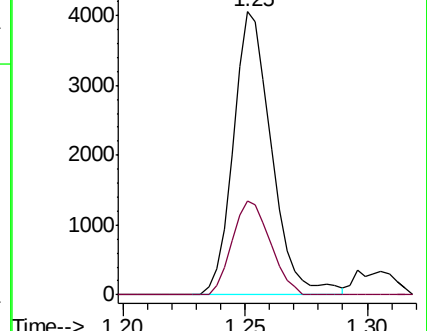
50 100

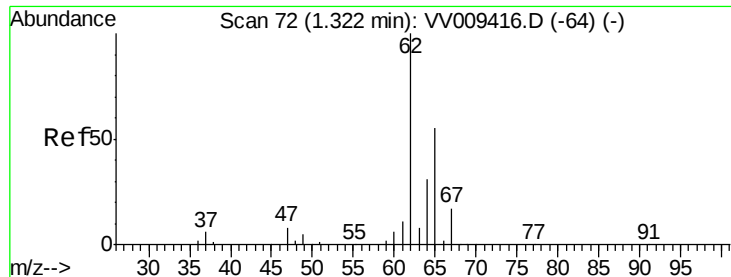
52 33.4 23.5 43.7



Abundance Ion 50.05 (49.75 to 50.75): VV009414.D (-42) (-)

Ion 52.05 (51.75 to 52.75): VV009414.D (-42) (-)





#5

Vinyl chloride

Concen: 0.584 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV009414.D

Acq: 28 Feb 2019 10:35

Instrument :

MSVOA_V

ClientSampleId :

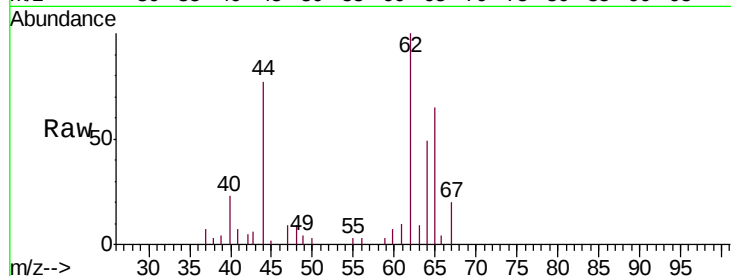
VSTD0.561

Tgt Ion: 62 Resp: 4517

Ion Ratio Lower Upper

62 100

64 49.0 21.6 40.0#



Abundance Ion 62.00 (61.70 to 62.70): VV009416.D (-64) (-)

Ion 64.10 (63.80 to 64.80): VV009416.D (-64) (-)

1.32

4000

3000

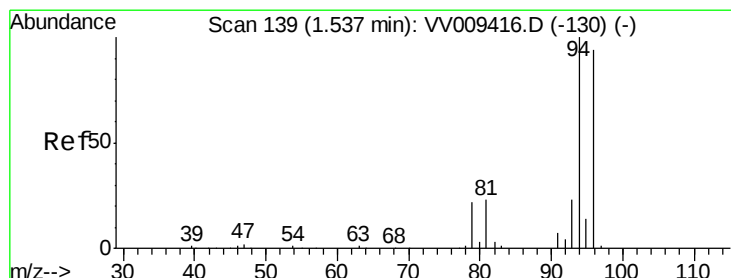
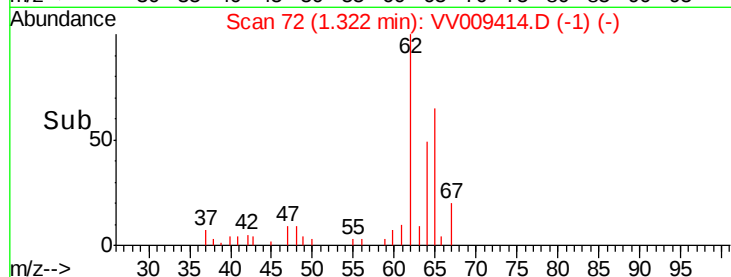
2000

1000

0

Time-->

1.30 1.35



#6

Bromomethane

Concen: 0.729 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV009414.D

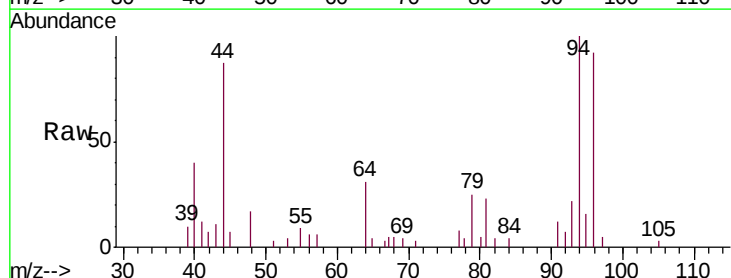
Acq: 28 Feb 2019 10:35

Tgt Ion: 94 Resp: 3415

Ion Ratio Lower Upper

94 100

96 91.9 65.8 122.2



Abundance Ion 94.00 (93.70 to 94.70): VV009416.D (-130) (-)

Ion 96.00 (95.70 to 96.70): VV009416.D (-130) (-)

1.54

3000

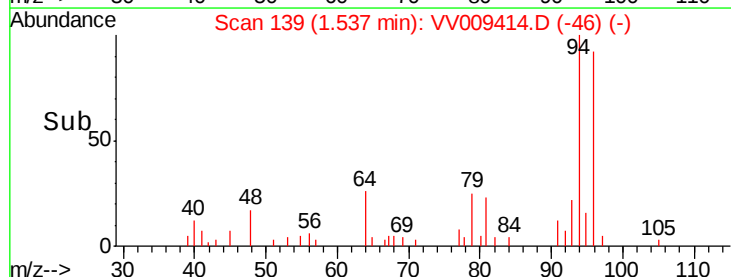
2000

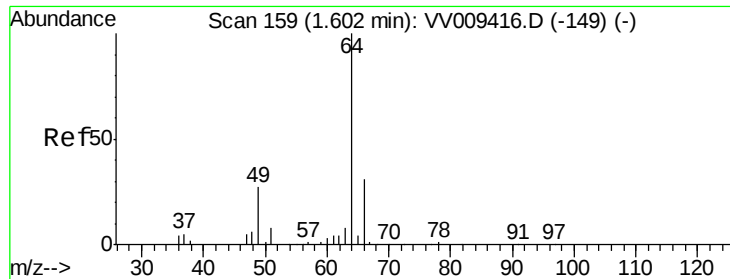
1000

0

Time-->

1.50 1.55





#8

Chloroethane

Concen: 0.687 ug/L

RT: 1.60 min Scan# 159

Delta R.T. -0.00 min

Lab File: VV009414.D

Acq: 28 Feb 2019 10:35

Instrument :

MSVOA_V

ClientSampleId :

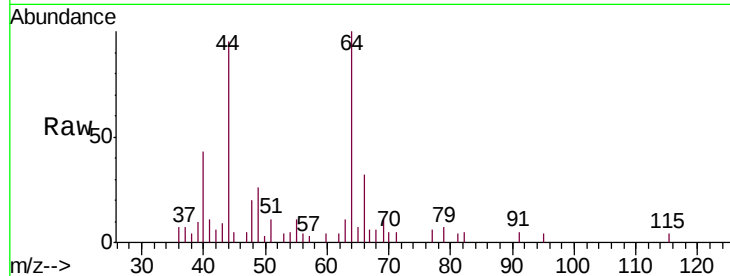
VSTD0.561

Tgt Ion: 64 Resp: 3125

Ion Ratio Lower Upper

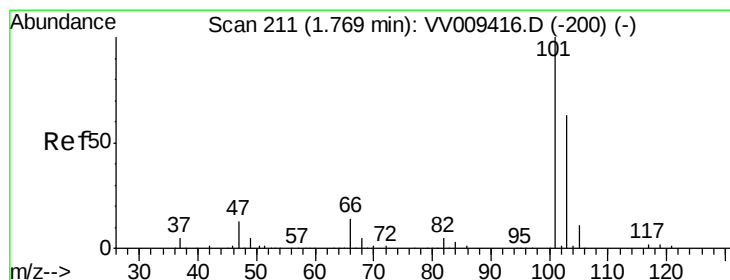
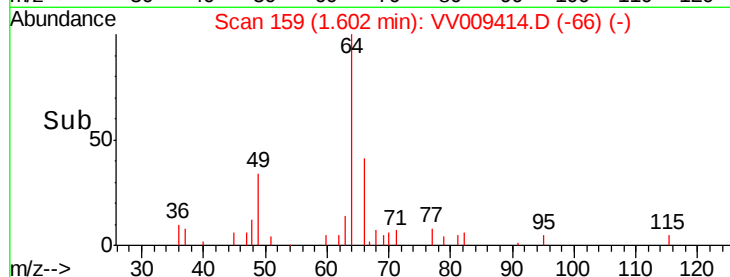
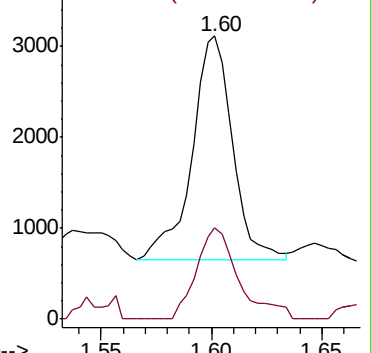
64 100

66 32.2 21.3 39.5



Abundance Ion 64.10 (63.80 to 64.80): VV009416.D (-149) (-)

Ion 66.05 (65.75 to 66.75): VV009416.D (-149) (-)



#9

Trichlorofluoromethane

Concen: 0.628 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.00 min

Lab File: VV009414.D

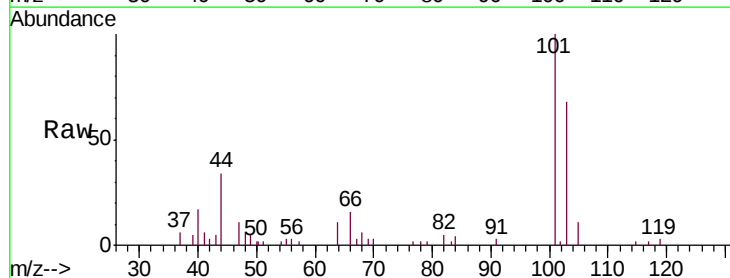
Acq: 28 Feb 2019 10:35

Tgt Ion: 101 Resp: 8389

Ion Ratio Lower Upper

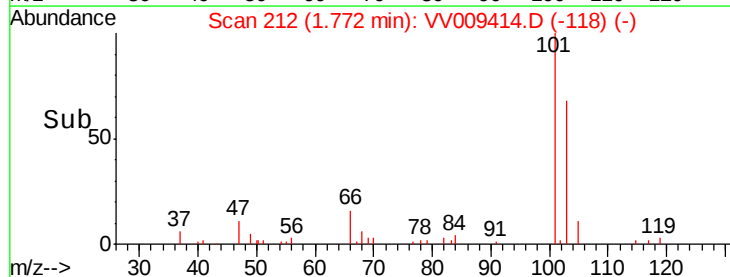
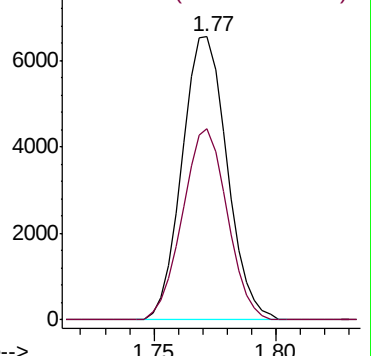
101 100

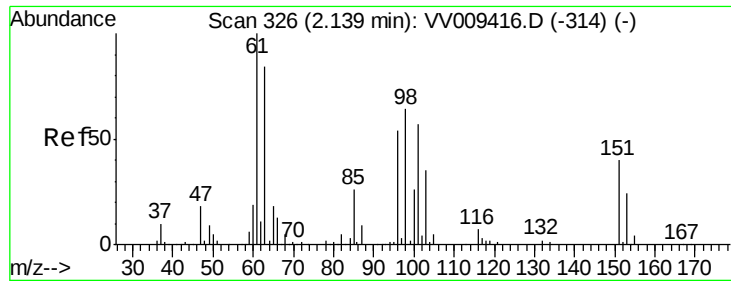
103 67.1 51.3 76.9



Abundance Ion 101.00 (100.70 to 101.70): VV009416.D (-200) (-)

Ion 103.00 (102.70 to 103.70): VV009416.D (-200) (-)





#10

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

Concen: 0.637 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV009414.D

Acq: 28 Feb 2019 10:35

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.561

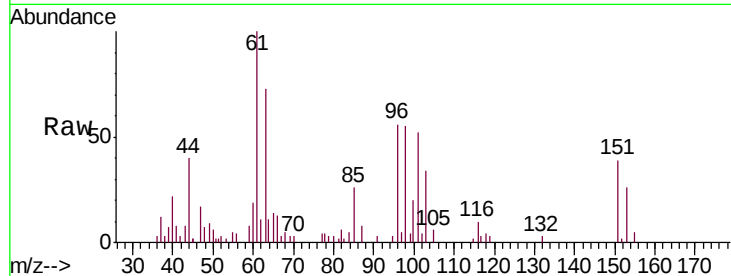
Tgt Ion:101 Resp: 4516

Ion Ratio Lower Upper

101 100

85 59.6 38.2 57.4#

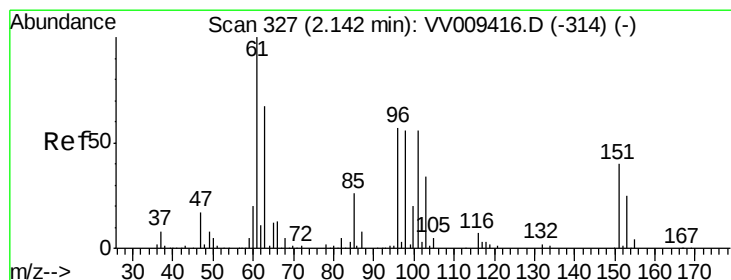
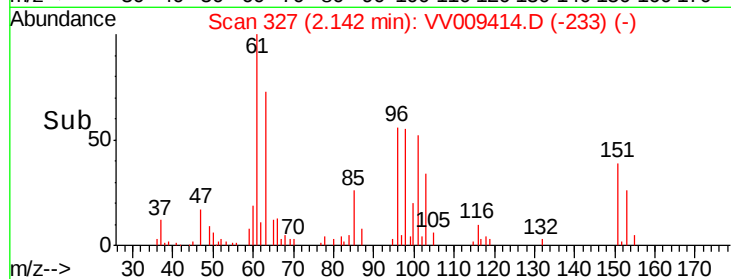
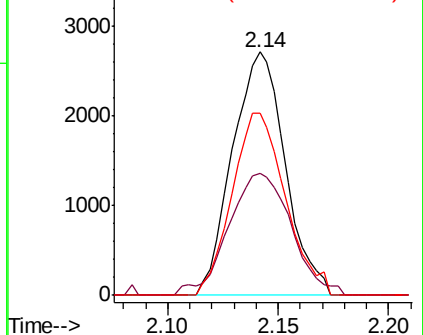
151 75.8 58.0 87.0



Abundance Ion 101.00 (100.70 to 101.70): VV009416.D (-314) (-)

Ion 85.00 (84.70 to 85.70): VV009416.D (-314) (-)

Ion 151.00 (150.70 to 151.70): VV009416.D (-314) (-)



#12

1,1-Dichloroethene

Concen: 0.669 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV009414.D

Acq: 28 Feb 2019 10:35

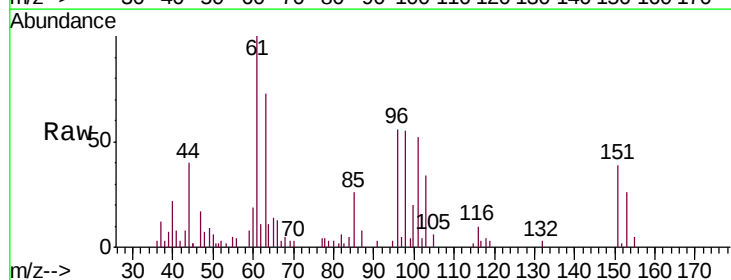
Tgt Ion: 96 Resp: 4138

Ion Ratio Lower Upper

96 100

61 177.6 123.1 228.5

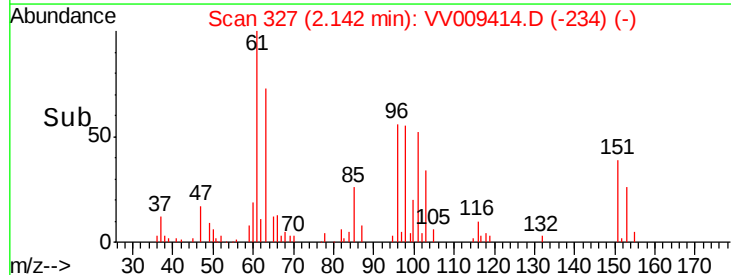
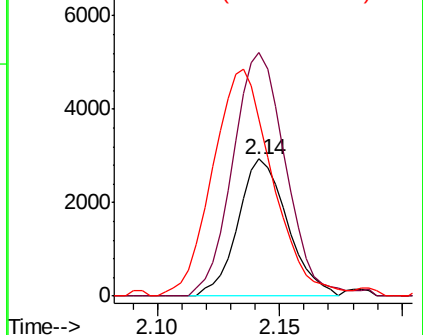
63 129.5 82.9 153.9

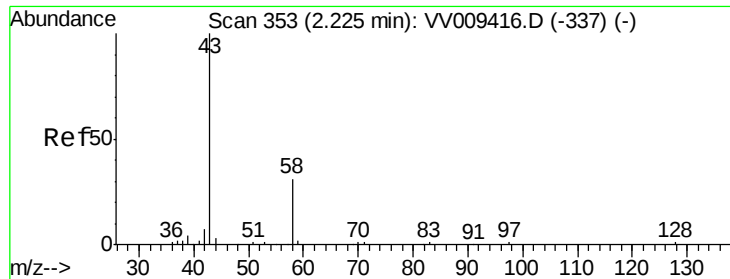


Abundance Ion 96.00 (95.70 to 96.70): VV009414.D (-234) (-)

Ion 61.05 (60.75 to 61.75): VV009414.D (-234) (-)

Ion 63.00 (62.70 to 63.70): VV009414.D (-234) (-)





#13

Acetone

Concen: 6.312 ug/L

RT: 2.21 min Scan# 347

Delta R.T. -0.02 min

Lab File: VV009414.D

Acq: 28 Feb 2019 10:35

Instrument :

MSVOA_V

ClientSampleId :

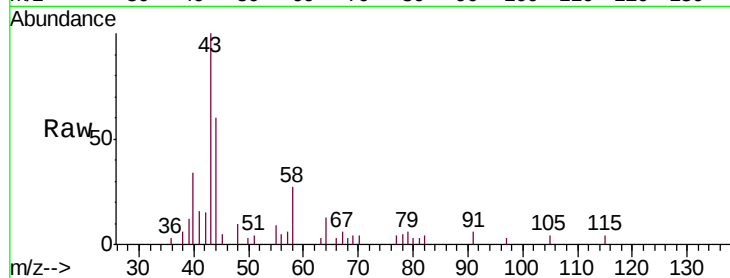
VSTD0.561

Tgt Ion: 43 Resp: 5726

Ion Ratio Lower Upper

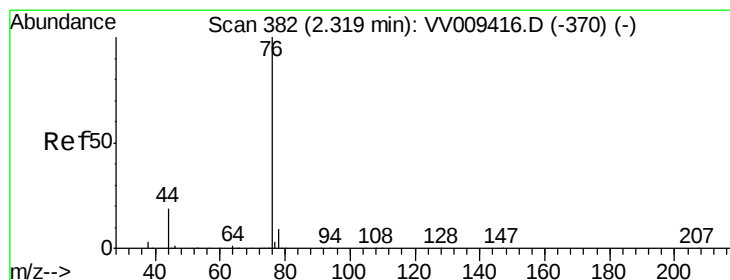
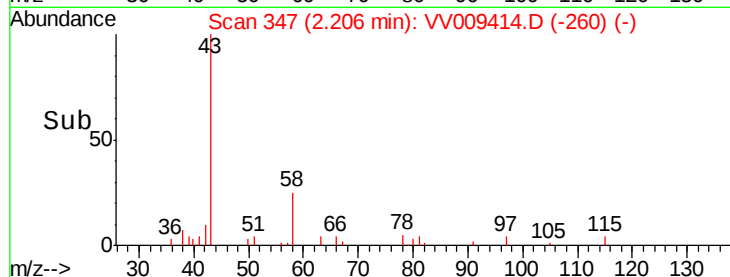
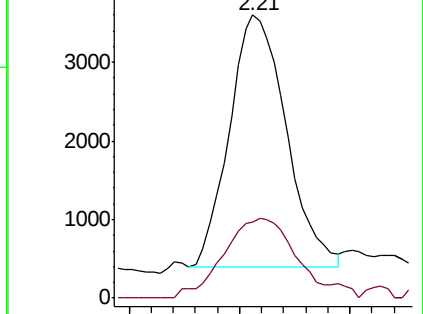
43 100

58 41.1 0.0 62.0



Abundance Ion 43.05 (42.75 to 43.75): VV009416.D (-337) (-)

Ion 58.05 (57.75 to 58.75): VV009416.D (-337) (-)



#14

Carbon disulfide

Concen: 0.712 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VV009414.D

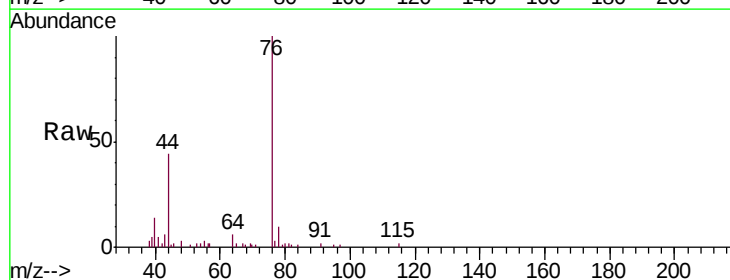
Acq: 28 Feb 2019 10:35

Tgt Ion: 76 Resp: 13632

Ion Ratio Lower Upper

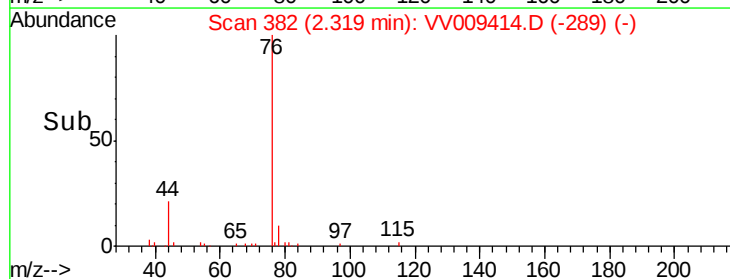
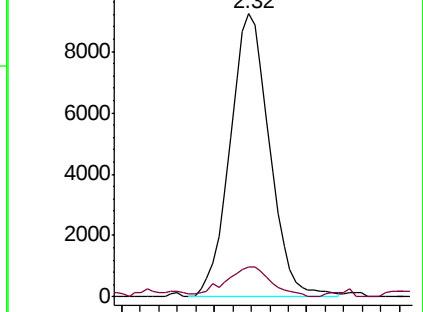
76 100

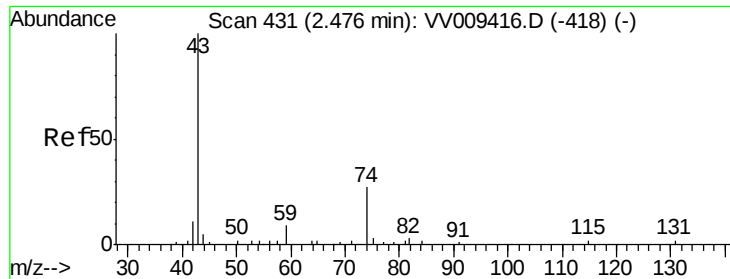
78 10.4 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VV009416.D (-370) (-)

Ion 78.00 (77.70 to 78.70): VV009416.D (-370) (-)

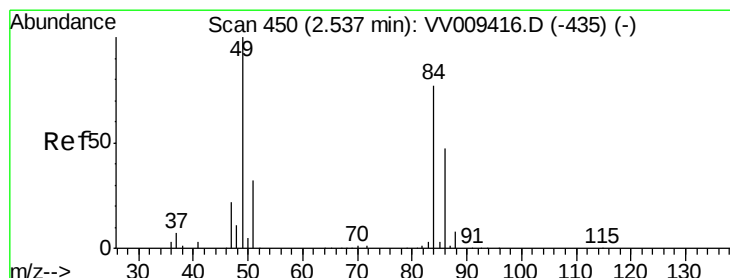
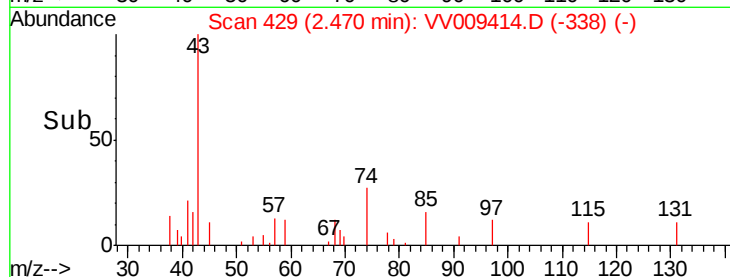
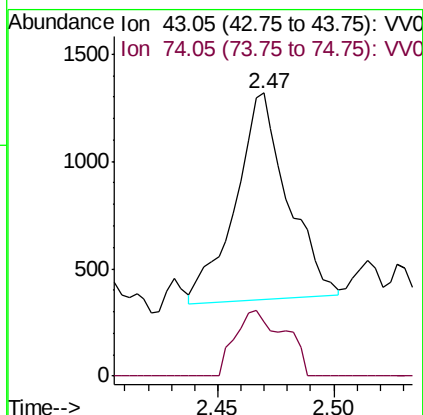
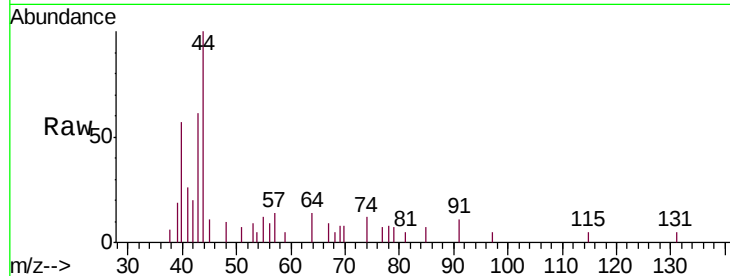




#15
Methyl Acetate
Concen: 0.709 ug/L
RT: 2.47 min Scan# 429
Delta R.T. -0.01 min
Lab File: VV009414.D
Acq: 28 Feb 2019 10:35

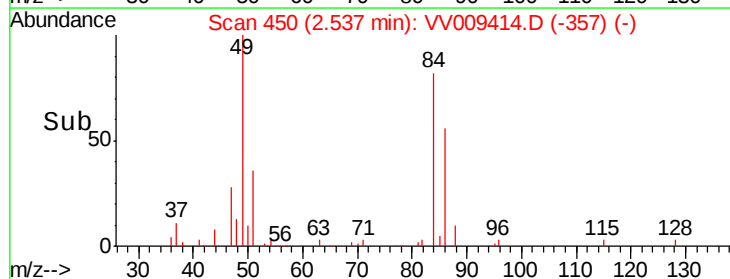
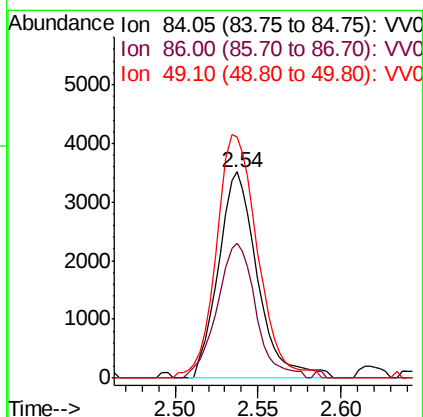
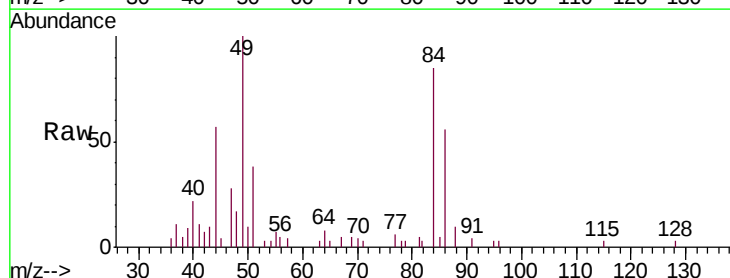
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.561

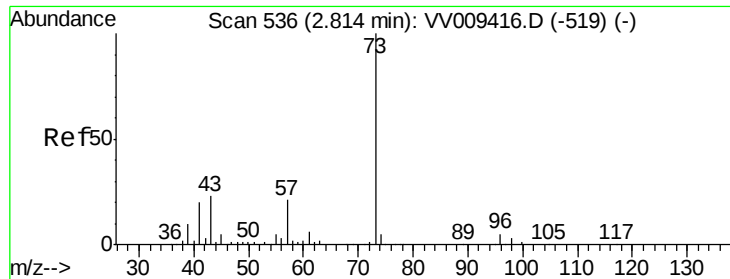
Tgt Ion: 43 Resp: 1508
Ion Ratio Lower Upper
43 100
74 30.0 20.6 30.8



#16
Methylene chloride
Concen: 0.858 ug/L
RT: 2.54 min Scan# 450
Delta R.T. -0.00 min
Lab File: VV009414.D
Acq: 28 Feb 2019 10:35

Tgt Ion: 84 Resp: 5758
Ion Ratio Lower Upper
84 100
86 65.7 42.8 79.4
49 117.2 90.6 168.2





#17

Methyl tert-butyl Ether

Concen: 0.699 ug/L

RT: 2.81 min Scan# 535

Delta R.T. -0.00 min

Lab File: VV009414.D

Acq: 28 Feb 2019 10:35

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.561

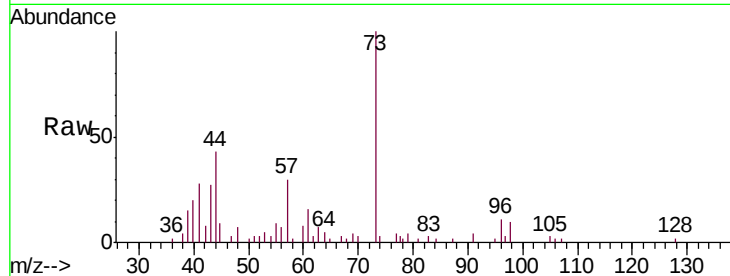
Tgt Ion: 73 Resp: 10756

Ion Ratio Lower Upper

73 100

43 22.7 18.1 27.1

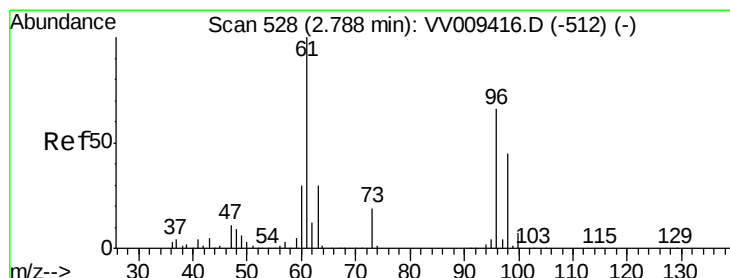
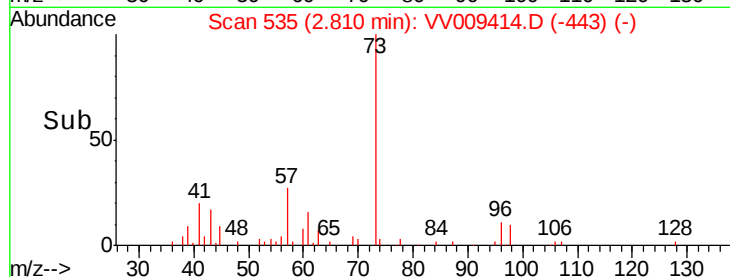
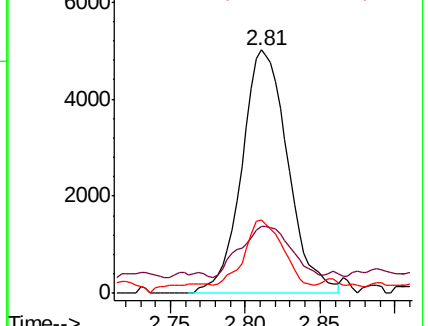
57 24.2 15.8 23.8#



Abundance Ion 73.10 (72.80 to 73.80): VV009416.D (-519) (-)

Ion 43.05 (42.75 to 43.75): VV009416.D (-519) (-)

Ion 57.10 (56.80 to 57.80): VV009416.D (-519) (-)



#18

trans-1,2-Dichloroethene

Concen: 0.678 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV009414.D

Acq: 28 Feb 2019 10:35

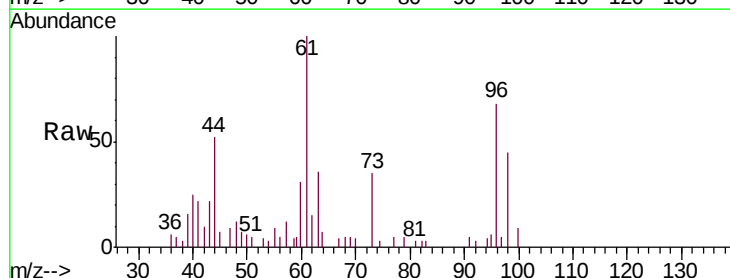
Tgt Ion: 96 Resp: 4583

Ion Ratio Lower Upper

96 100

61 148.0 106.0 196.8

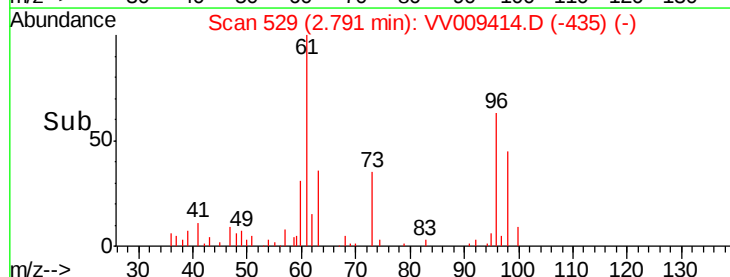
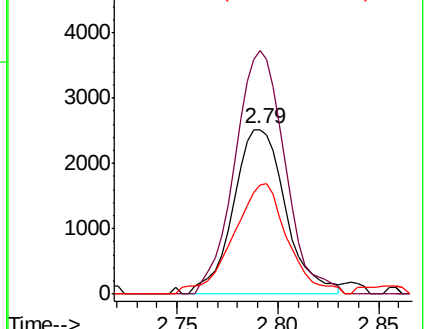
98 66.5 48.2 89.4

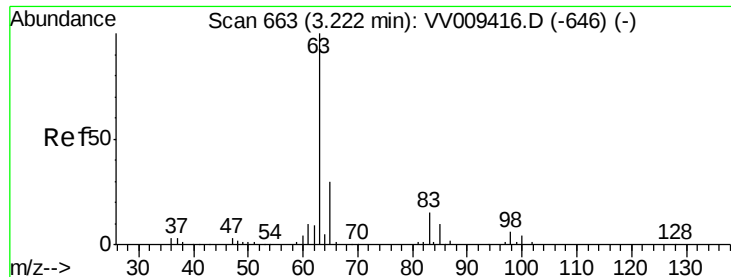


Abundance Ion 96.00 (95.70 to 96.70): VV009416.D (-512) (-)

Ion 61.05 (60.75 to 61.75): VV009416.D (-512) (-)

Ion 97.95 (97.65 to 98.65): VV009416.D (-512) (-)

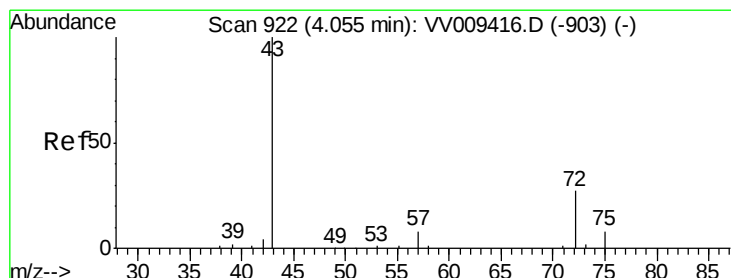
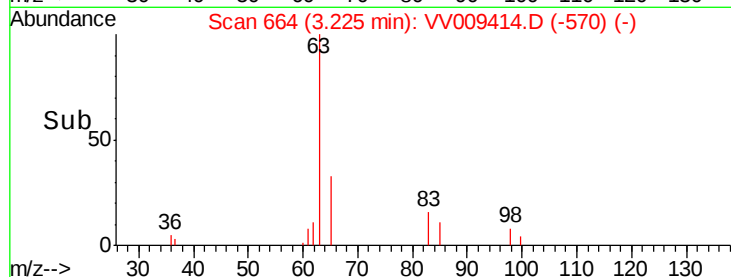
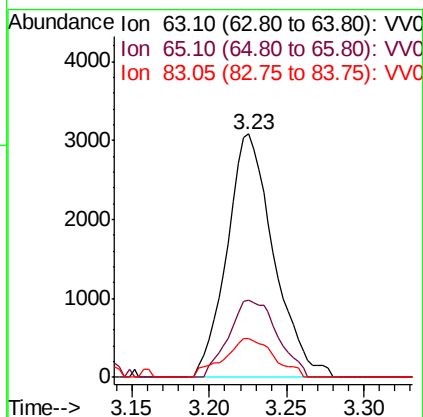
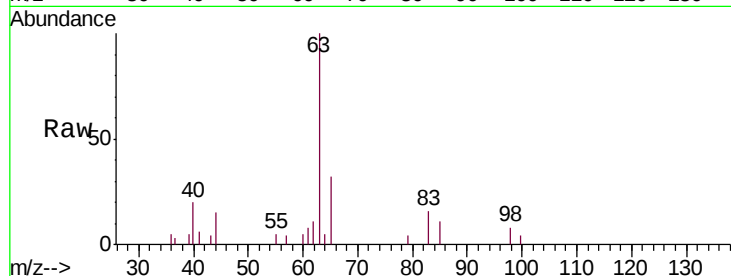




#19
 1,1-Dichloroethane
 Concen: 0.480 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. 0.00 min
 Lab File: VV009414.D
 Acq: 28 Feb 2019 10:35

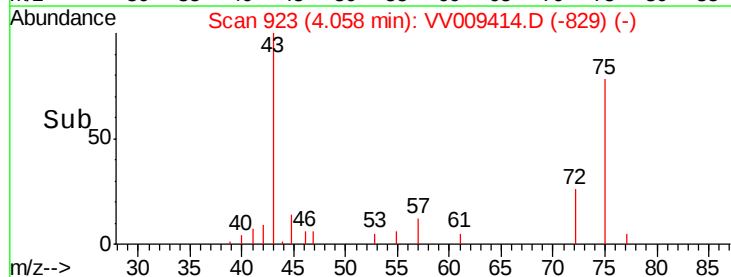
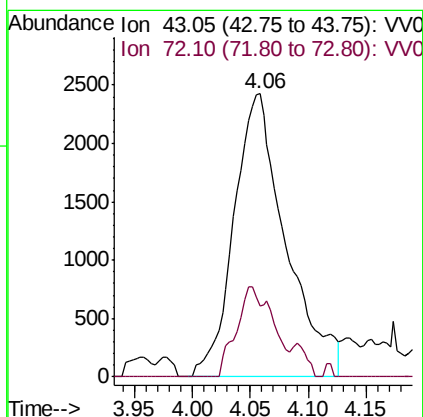
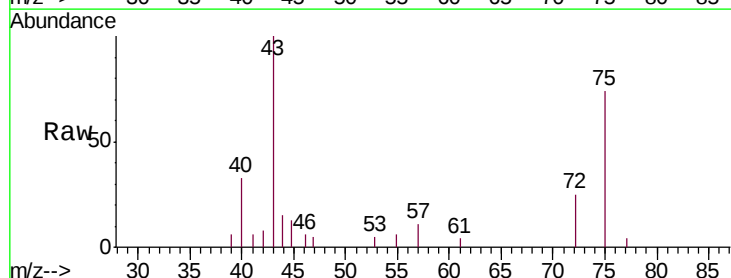
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.561

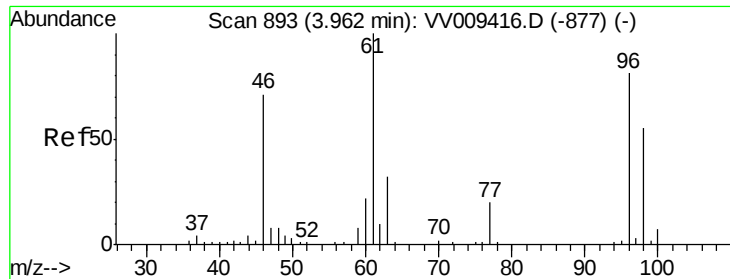
Tgt Ion: 63 Resp: 6451
 Ion Ratio Lower Upper
 63 100
 65 32.0 21.6 40.2
 83 15.9 10.4 19.4



#21
 2-Butanone
 Concen: 4.857 ug/L
 RT: 4.06 min Scan# 923
 Delta R.T. 0.00 min
 Lab File: VV009414.D
 Acq: 28 Feb 2019 10:35

Tgt Ion: 43 Resp: 7557
 Ion Ratio Lower Upper
 43 100
 72 22.6 15.4 46.1



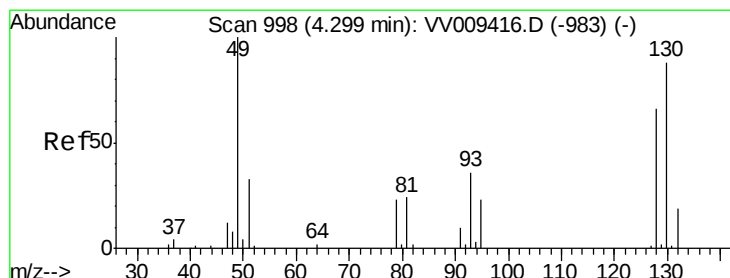
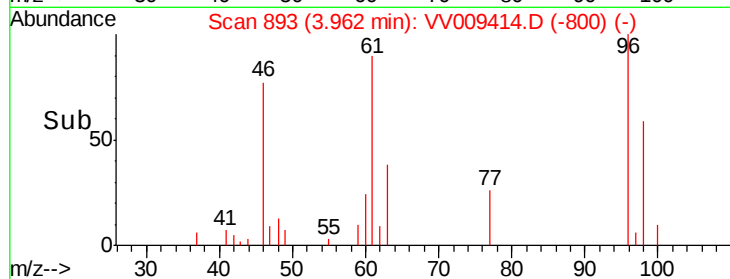
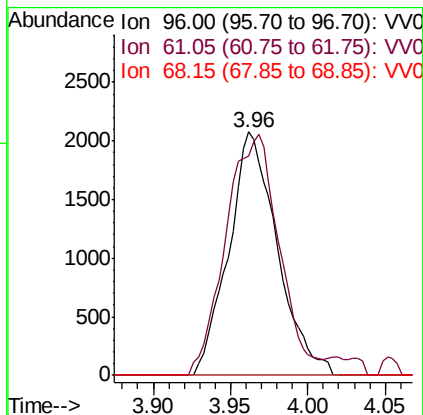
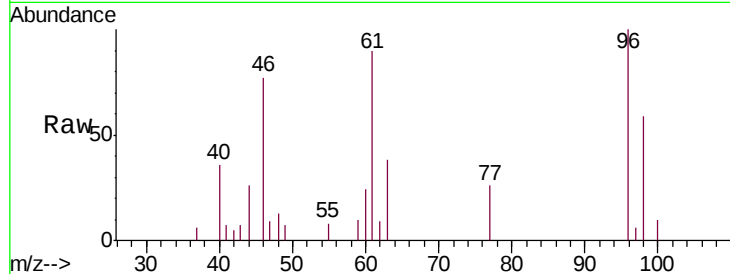


#22

cis-1,2-Dichloroethene
Concen: 0.544 ug/L
RT: 3.96 min Scan# 893
Delta R.T. -0.00 min
Lab File: VV009414.D
Acq: 28 Feb 2019 10:35

Instrument :
MSVOA_V
ClientSampled :
VSTD0.561

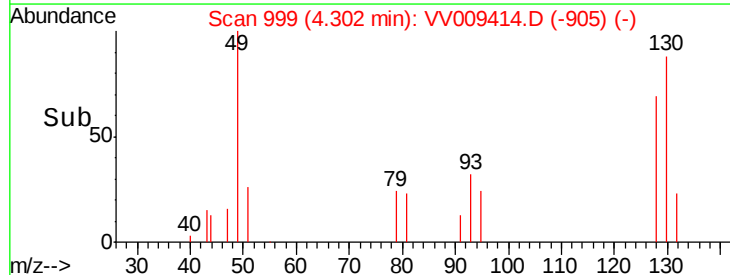
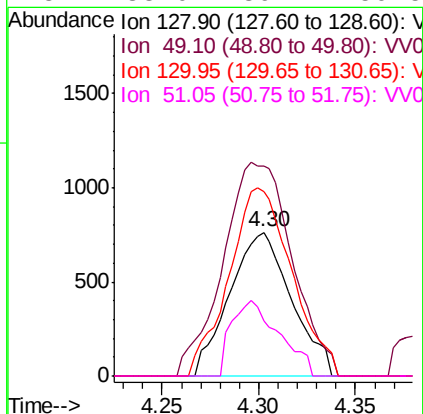
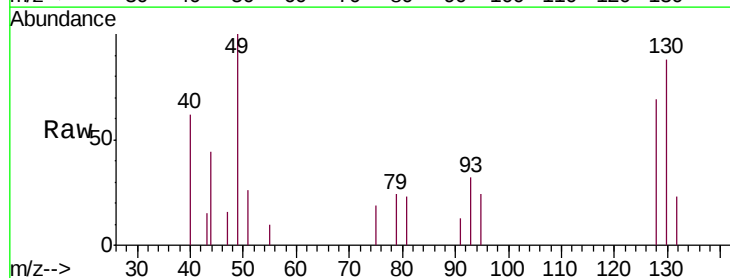
Tgt Ion: 96 Resp: 4537
Ion Ratio Lower Upper
96 100
61 89.9 86.0 159.8
68 0.0 0.0 0.0

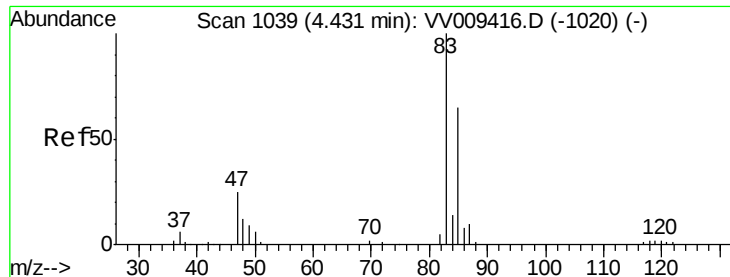


#23

Bromochloromethane
Concen: 0.481 ug/L
RT: 4.30 min Scan# 999
Delta R.T. 0.00 min
Lab File: VV009414.D
Acq: 28 Feb 2019 10:35

Tgt Ion: 128 Resp: 1698
Ion Ratio Lower Upper
128 100
49 145.8 105.8 196.4
130 128.7 93.2 173.0
51 38.0 39.7 59.5#

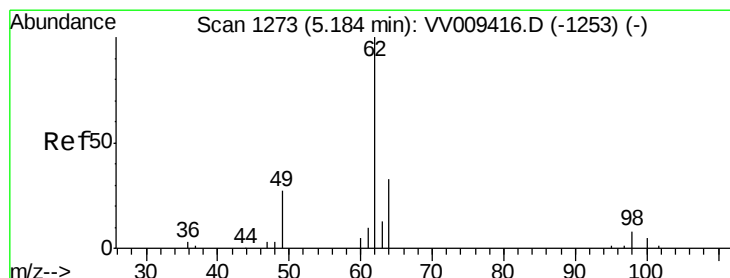
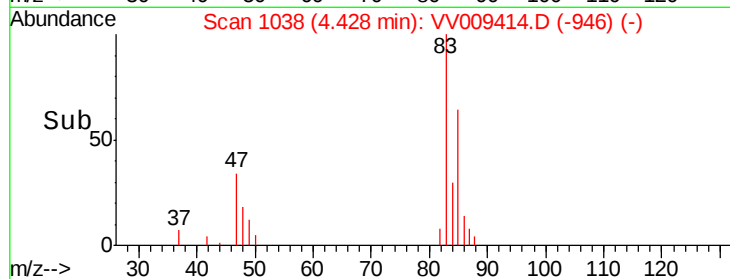
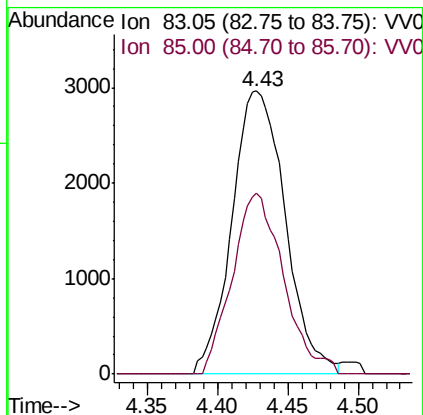
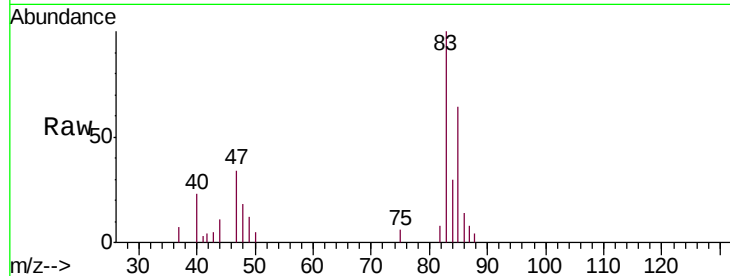




#25
 Chloroform
 Concen: 0.539 ug/L
 RT: 4.43 min Scan# 1038
 Delta R.T. -0.00 min
 Lab File: VV009414.D
 Acq: 28 Feb 2019 10:35

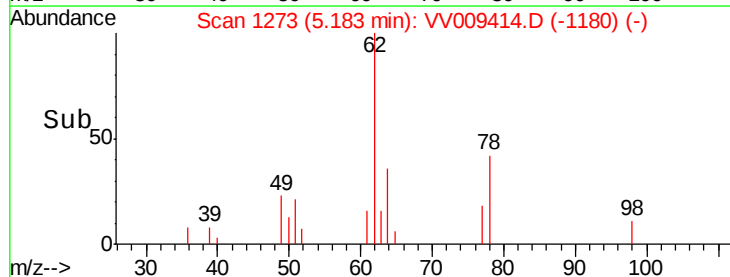
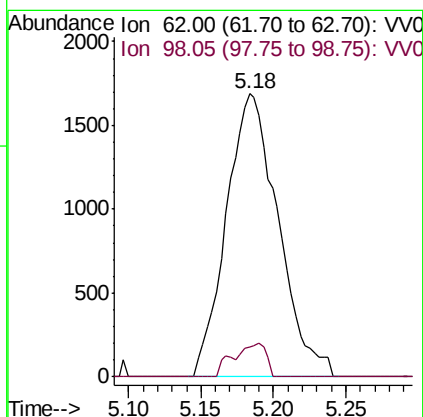
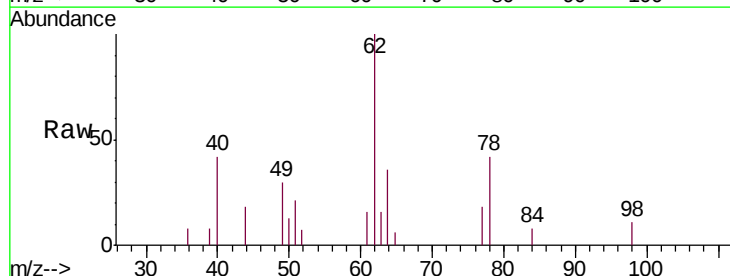
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD0.561

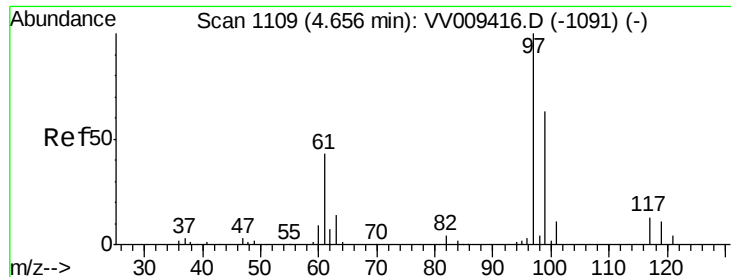
Tgt Ion: 83 Resp: 7848
 Ion Ratio Lower Upper
 83 100
 85 64.2 45.7 84.9



#27
 1,2-Dichloroethane
 Concen: 0.505 ug/L
 RT: 5.18 min Scan# 1273
 Delta R.T. -0.00 min
 Lab File: VV009414.D
 Acq: 28 Feb 2019 10:35

Tgt Ion: 62 Resp: 4198
 Ion Ratio Lower Upper
 62 100
 98 10.7 6.6 10.0#

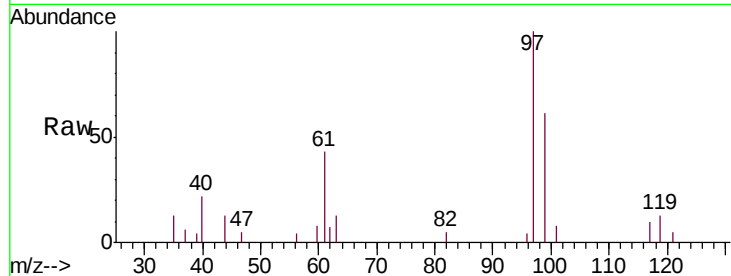




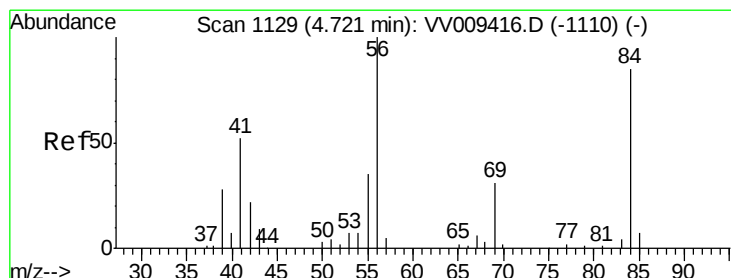
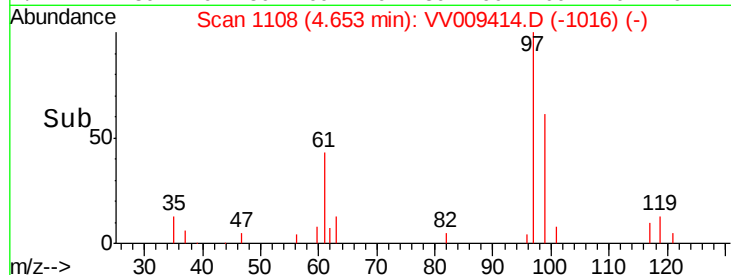
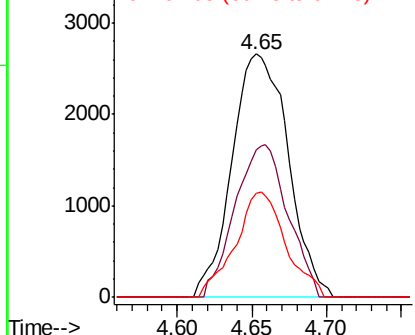
#29
1,1,1-Trichloroethane
Concen: 0.537 ug/L
RT: 4.65 min Scan# 1108
Delta R.T. -0.00 min
Lab File: VV009414.D
Acq: 28 Feb 2019 10:35

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.561

Tgt Ion: 97 Resp: 6939
Ion Ratio Lower Upper
97 100
99 59.1 50.5 75.7
61 38.9 35.1 52.7

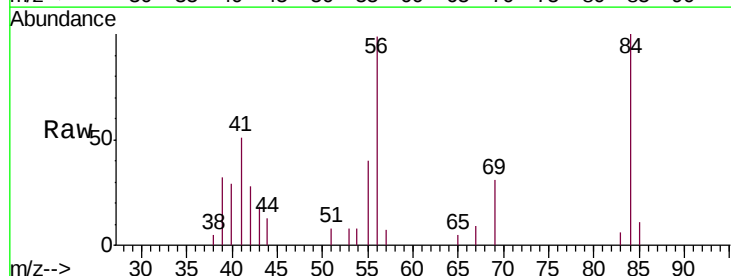


Abundance Ion 96.95 (96.65 to 97.65): VV0
Ion 99.05 (98.75 to 99.75): VV0
Ion 61.05 (60.75 to 61.75): VV0

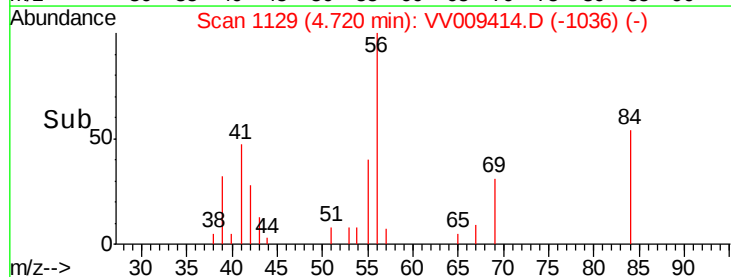
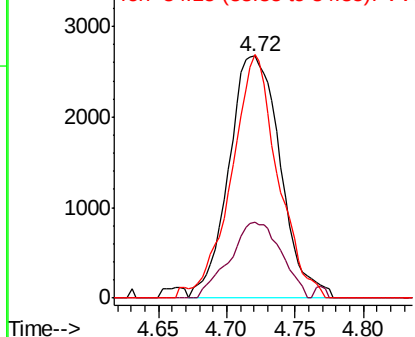


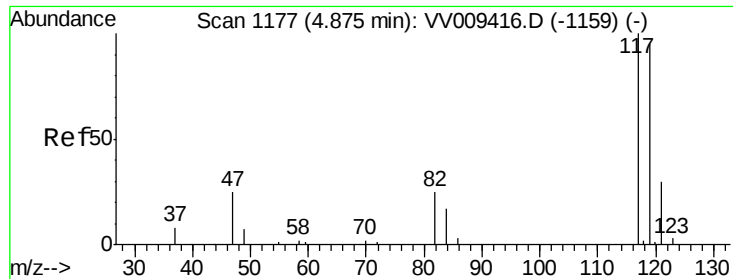
#30
Cyclohexane
Concen: 0.563 ug/L
RT: 4.72 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VV009414.D
Acq: 28 Feb 2019 10:35

Tgt Ion: 56 Resp: 7007
Ion Ratio Lower Upper
56 100
69 31.2 25.2 37.8
84 90.7 71.5 107.3



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





#31

Carbon tetrachloride

Concen: 0.507 ug/L

RT: 4.87 min Scan# 1174

Delta R.T. -0.01 min

Lab File: VV009414.D

Acq: 28 Feb 2019 10:35

Instrument :

MSVOA_V

ClientSampleId :

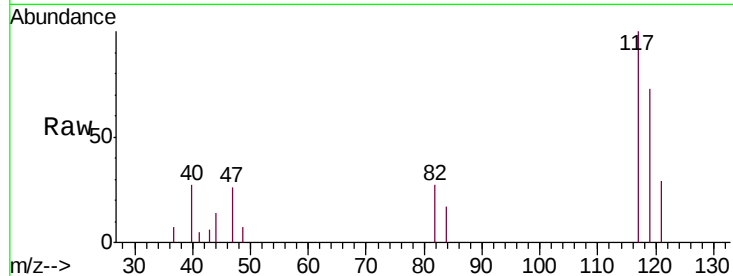
VSTD0.561

Tgt Ion:117 Resp: 5807

Ion Ratio Lower Upper

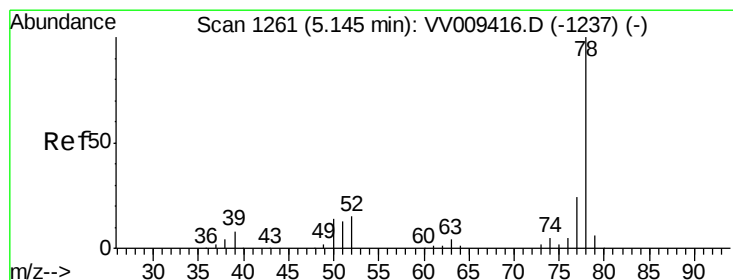
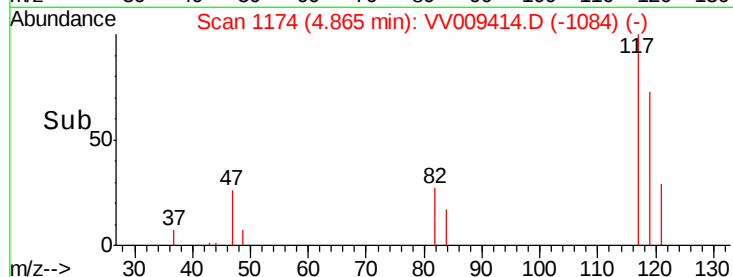
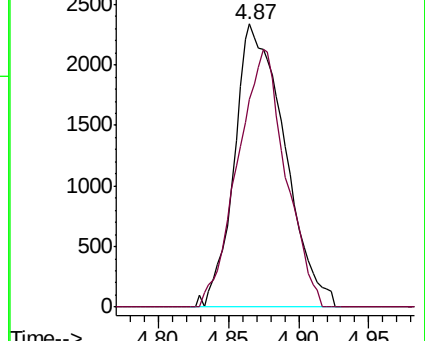
117 100

119 86.6 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: 0.507 ug/L

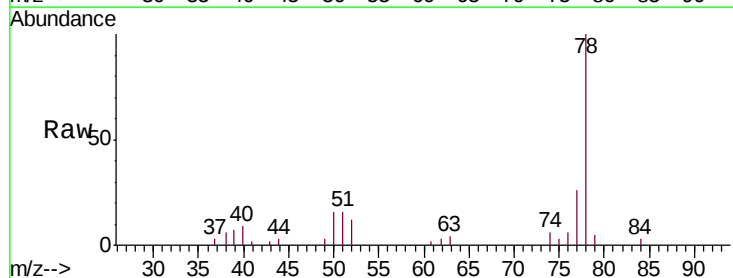
RT: 5.15 min Scan# 1263

Delta R.T. 0.01 min

Lab File: VV009414.D

Acq: 28 Feb 2019 10:35

Tgt Ion: 78 Resp: 15643



Abundance Ion 78.10 (77.80 to 78.80): VV0

8000

6000

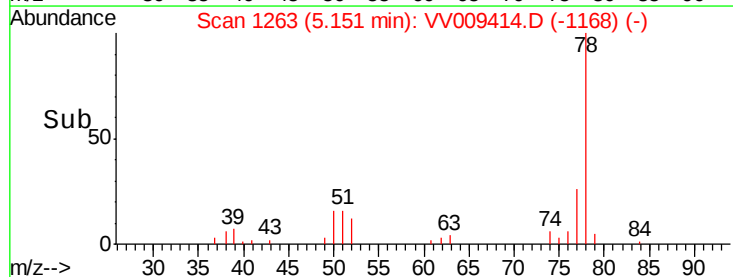
4000

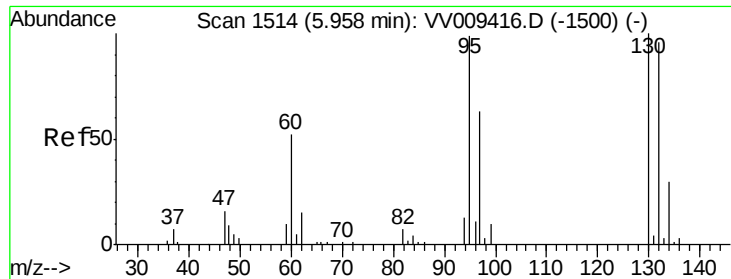
2000

0

5.05 5.10 5.15 5.20 5.25

Time-->

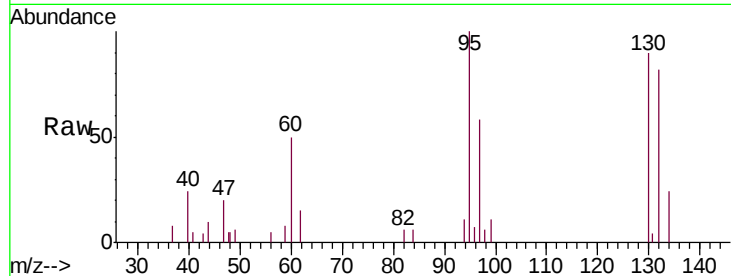




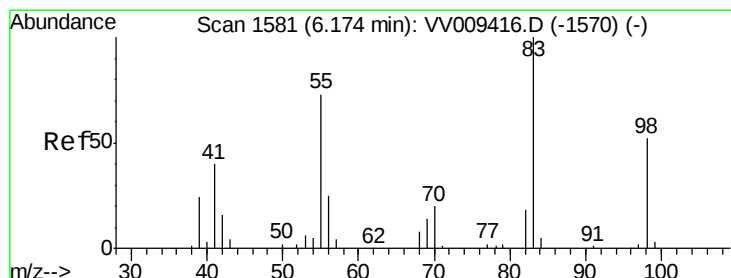
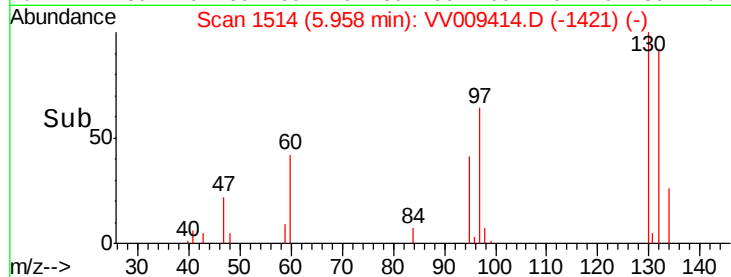
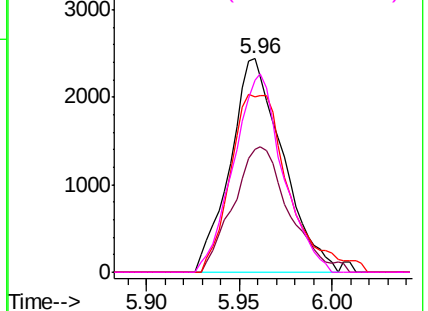
#34
 Trichloroethene
 Concen: 0.537 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. -0.00 min
 Lab File: VV009414.D
 Acq: 28 Feb 2019 10:35

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.561

Tgt Ion:	95	Resp:	4811
Ion	Ratio	Lower	Upper
95	100		
97	57.8	44.2	82.2
132	82.4	67.8	126.0
130	89.8	70.4	130.8

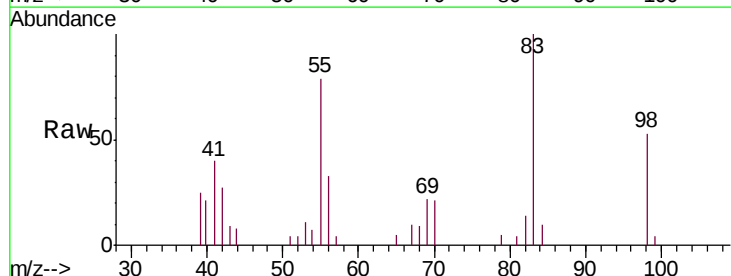


Abundance Ion 95.00 (94.70 to 95.70): VV009414.D (-1500) (-)
 Ion 96.95 (96.65 to 97.65): VV009414.D (-1500) (-)
 Ion 131.95 (131.65 to 132.65): VV009414.D (-1500) (-)
 Ion 129.95 (129.65 to 130.65): VV009414.D (-1500) (-)

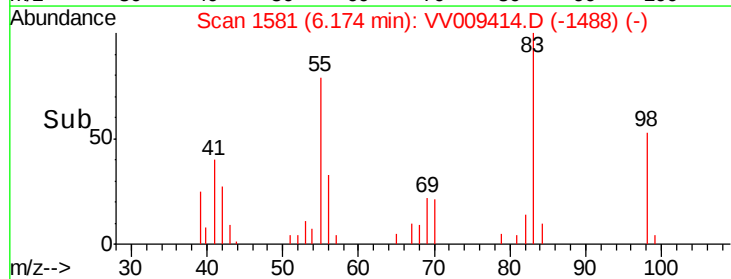
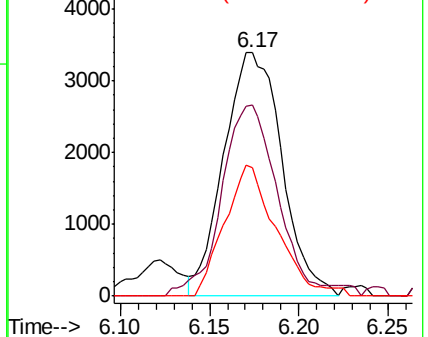


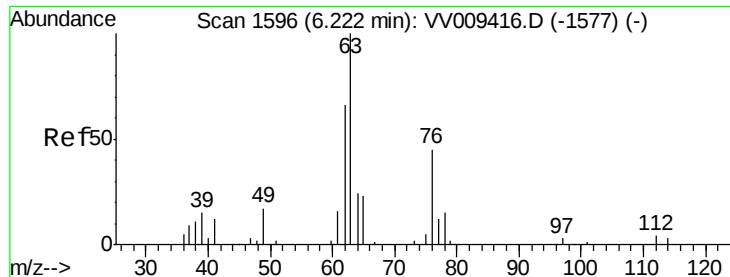
#35
 Methylcyclohexane
 Concen: 0.545 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: VV009414.D
 Acq: 28 Feb 2019 10:35

Tgt Ion:	83	Resp:	7689
Ion	Ratio	Lower	Upper
83	100		
55	76.6	59.8	89.8
98	48.0	39.9	59.9



Abundance Ion 83.15 (82.85 to 83.85): VV009414.D (-1488) (-)
 Ion 55.10 (54.80 to 55.80): VV009414.D (-1488) (-)
 Ion 98.15 (97.85 to 98.85): VV009414.D (-1488) (-)





#37

1,2-Dichloropropane

Concen: 0.508 ug/L

RT: 6.23 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VV009414.D

Acq: 28 Feb 2019 10:35

Instrument :

MSVOA_V

ClientSampleId :

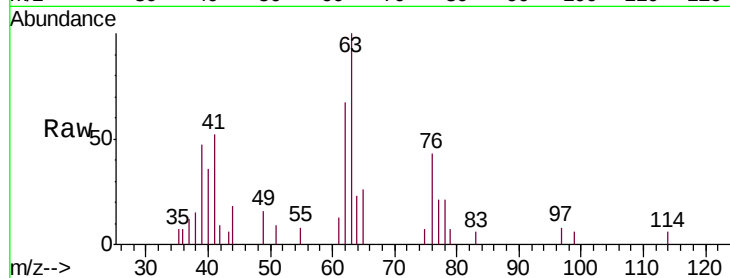
VSTD0.561

Tgt Ion: 63 Resp: 3818

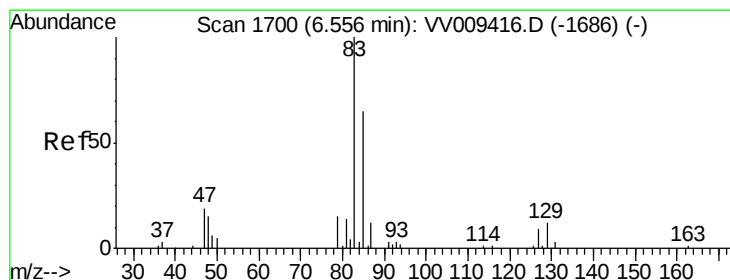
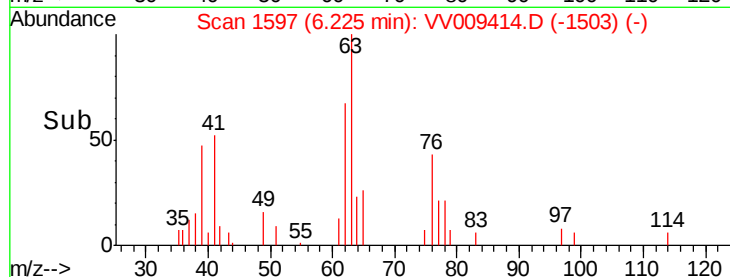
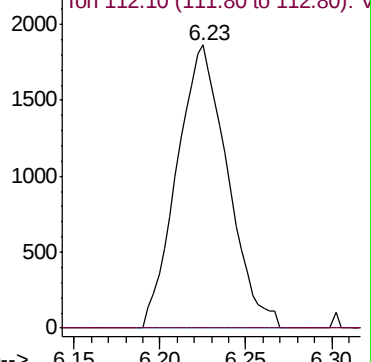
Ion Ratio Lower Upper

63 100

112 0.0 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VV009414.D (-1577) (-)



#38

Bromodichloromethane

Concen: 0.536 ug/L

RT: 6.56 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VV009414.D

Acq: 28 Feb 2019 10:35

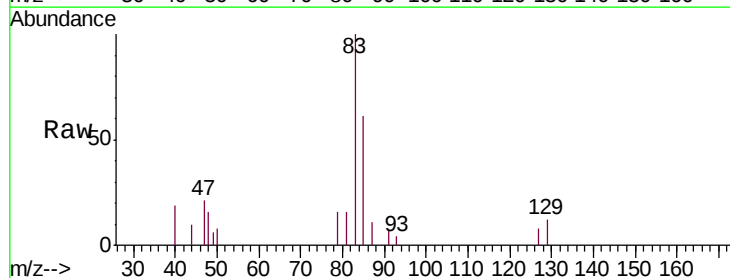
Tgt Ion: 83 Resp: 5138

Ion Ratio Lower Upper

83 100

85 61.1 45.2 84.0

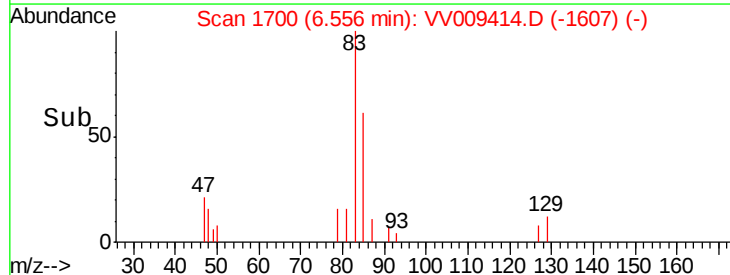
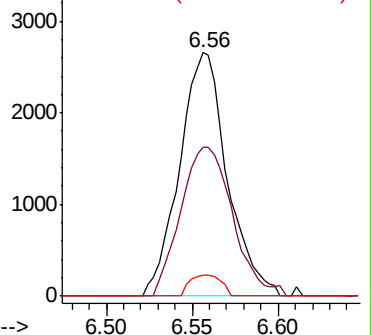
127 8.4 7.1 10.7

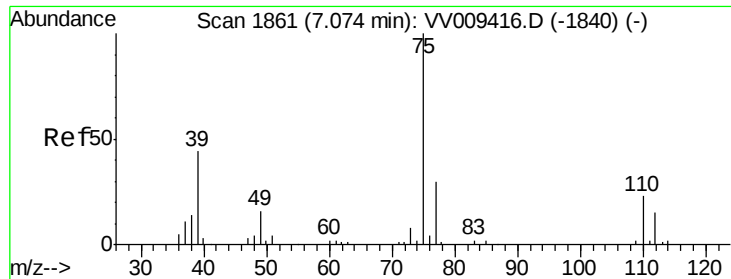


Abundance Ion 82.95 (82.65 to 83.65): VV009414.D (-1686) (-)

Ion 85.00 (84.70 to 85.70): VV009414.D (-1686) (-)

Ion 126.90 (126.60 to 127.60): VV009414.D (-1686) (-)

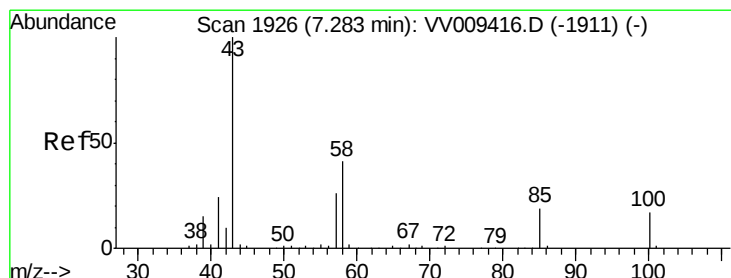
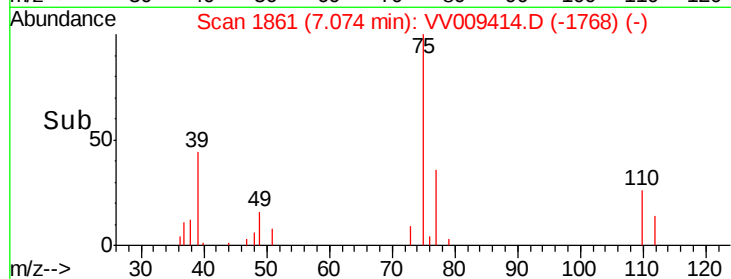
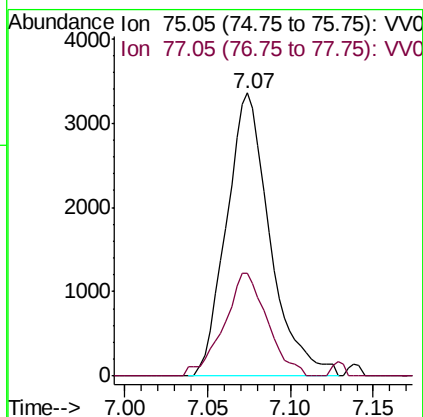
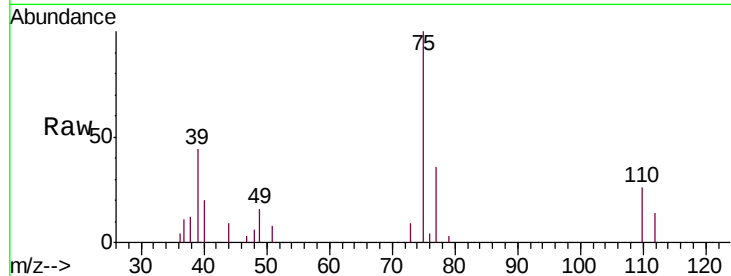




#39
 cis-1,3-Dichloropropene
 Concen: 0.562 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VV009414.D
 Acq: 28 Feb 2019 10:35

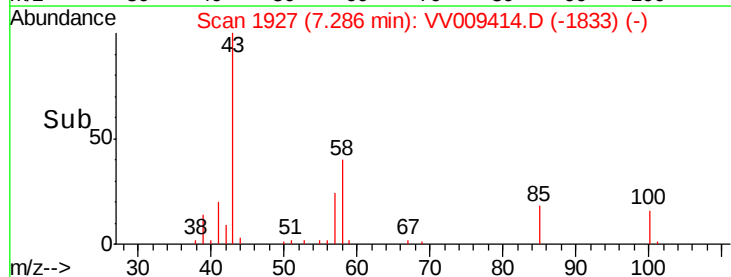
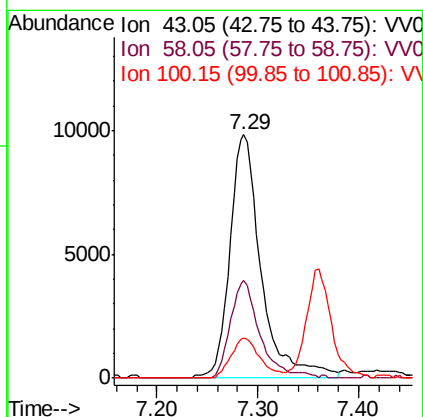
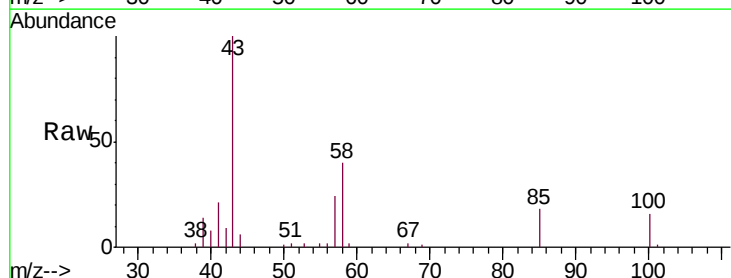
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.561

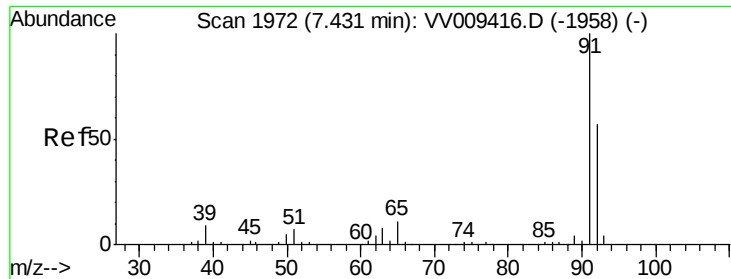
Tgt Ion: 75 Resp: 6113
 Ion Ratio Lower Upper
 75 100
 77 36.4 21.1 39.1



#40
 4-Methyl-2-pentanone
 Concen: 5.499 ug/L
 RT: 7.29 min Scan# 1927
 Delta R.T. 0.00 min
 Lab File: VV009414.D
 Acq: 28 Feb 2019 10:35

Tgt Ion: 43 Resp: 21227
 Ion Ratio Lower Upper
 43 100
 58 37.8 32.7 49.1
 100 15.3 12.4 18.6





#42

Toluene

Concen: 0.522 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV009414.D

Acq: 28 Feb 2019 10:35

Instrument :

MSVOA_V

ClientSampleId :

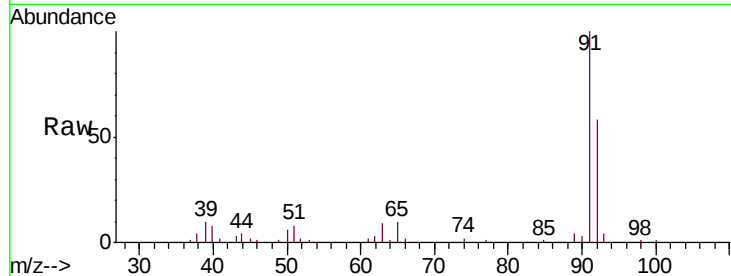
VSTD0.561

Tgt Ion: 91 Resp: 17592

Ion Ratio Lower Upper

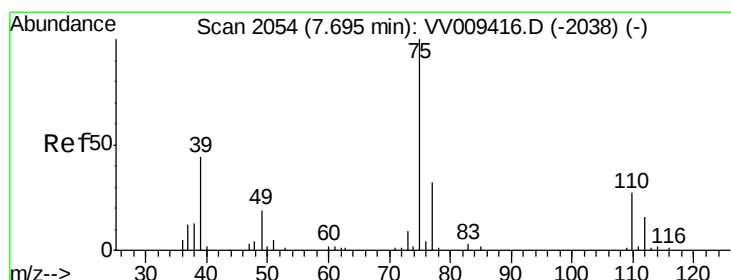
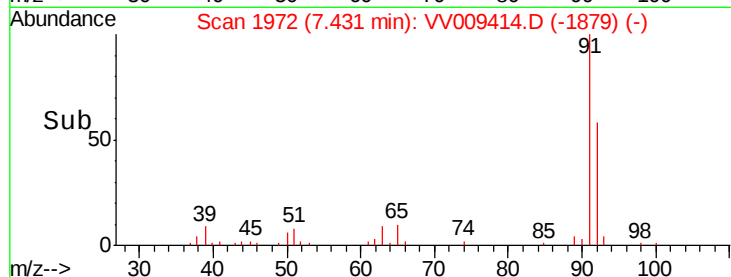
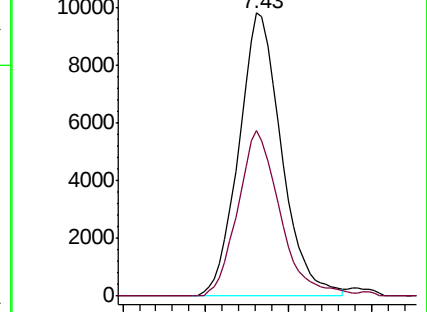
91 100

92 58.5 39.8 73.8



Abundance Ion 91.15 (90.85 to 91.85): VV009414.D (-1958) (-)

Ion 92.15 (91.85 to 92.85): VV009414.D (-1958) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.518 ug/L

RT: 7.70 min Scan# 2056

Delta R.T. 0.01 min

Lab File: VV009414.D

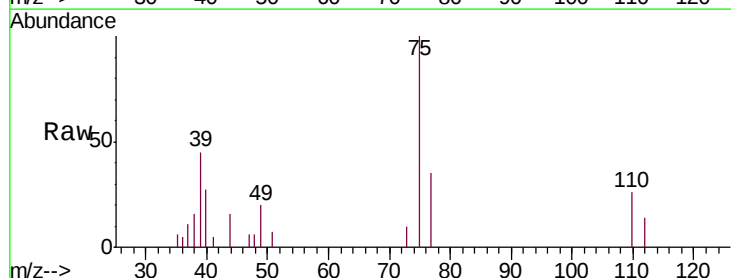
Acq: 28 Feb 2019 10:35

Tgt Ion: 75 Resp: 4355

Ion Ratio Lower Upper

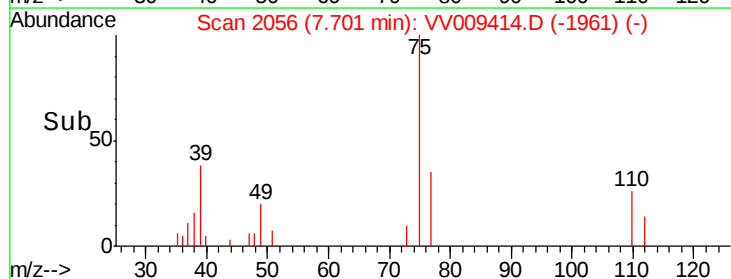
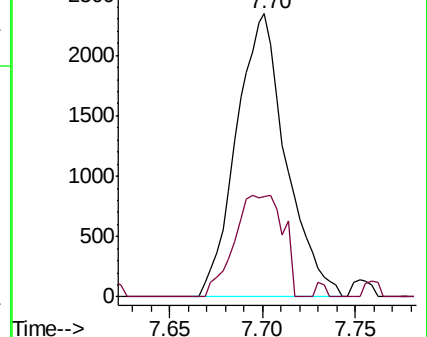
75 100

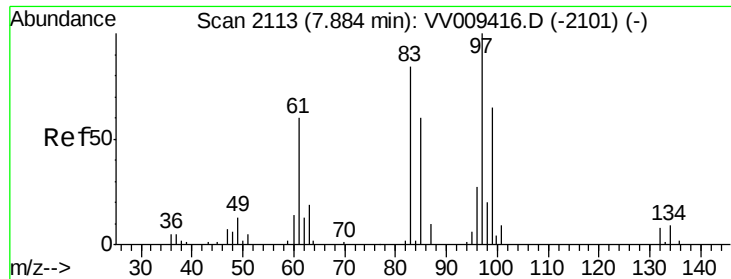
77 35.4 22.2 41.2



Abundance Ion 75.05 (74.75 to 75.75): VV009414.D (-2038) (-)

Ion 77.05 (76.75 to 77.75): VV009414.D (-2038) (-)

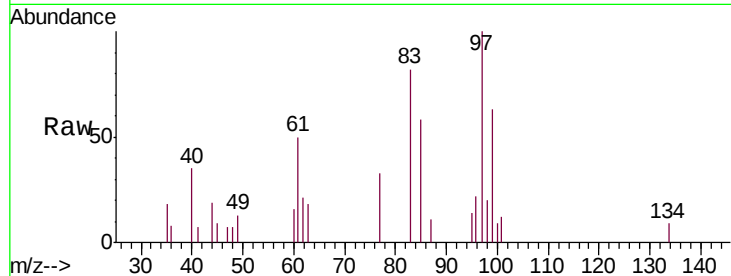




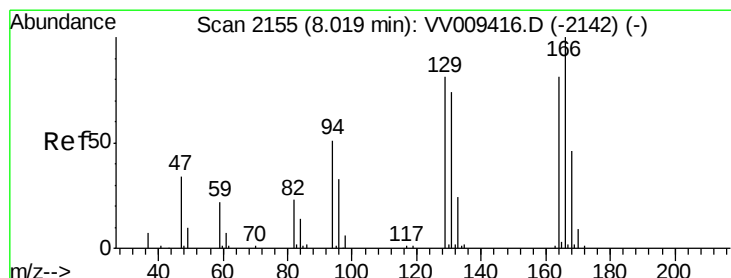
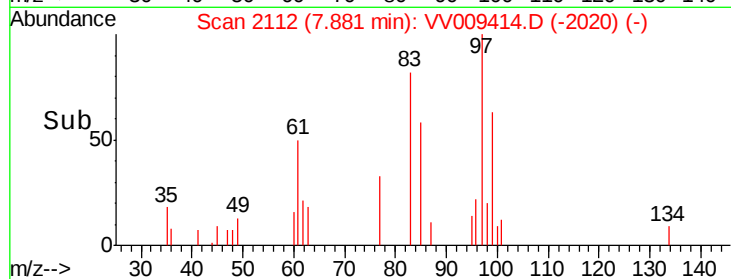
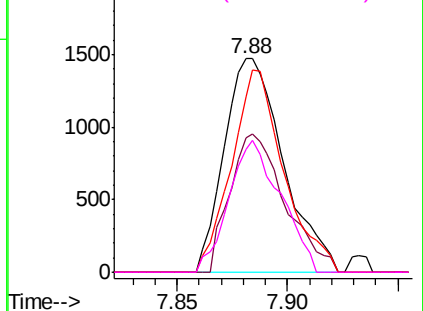
#45
 1,1,2-Trichloroethane
 Concen: 0.514 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VV009414.D
 Acq: 28 Feb 2019 10:35

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.561

Tgt Ion:	97	Resp:	2741
Ion	Ratio	Lower	Upper
97	100		
99	62.7	45.4	84.4
83	82.4	58.8	109.2
85	57.8	41.9	77.7

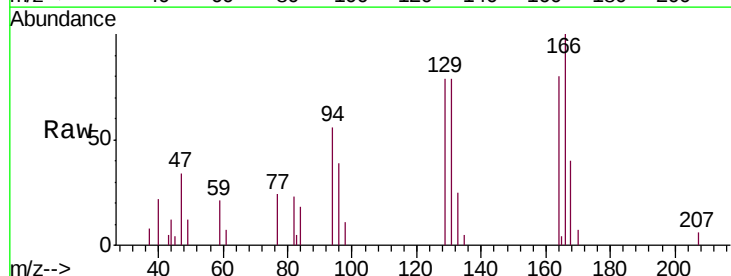


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

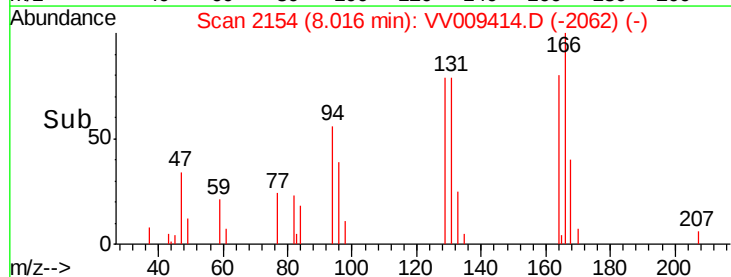
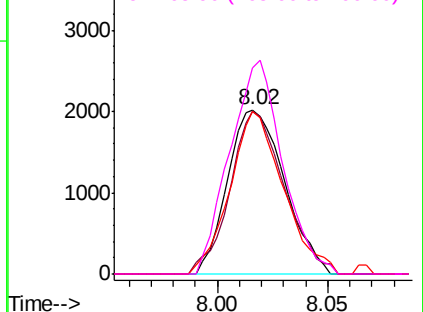


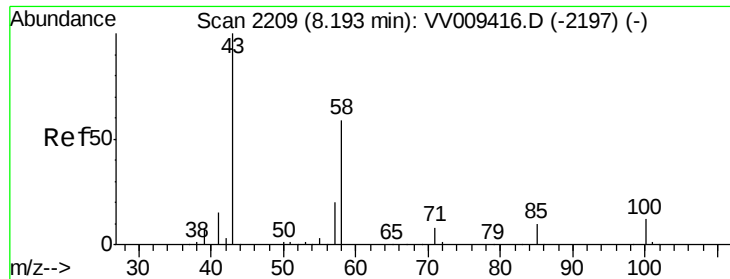
#47
 Tetrachloroethene
 Concen: 0.506 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV009414.D
 Acq: 28 Feb 2019 10:35

Tgt Ion:	164	Resp:	3601
Ion	Ratio	Lower	Upper
164	100		
129	99.1	69.3	128.7
131	98.6	64.0	118.8
166	125.6	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

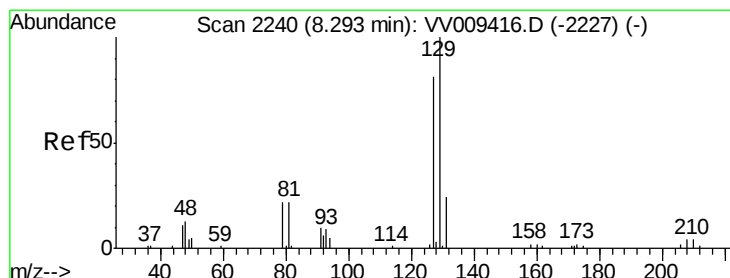
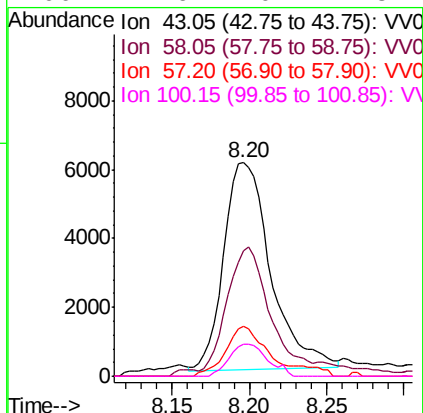
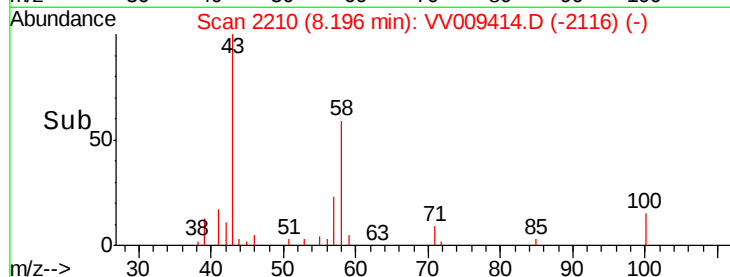
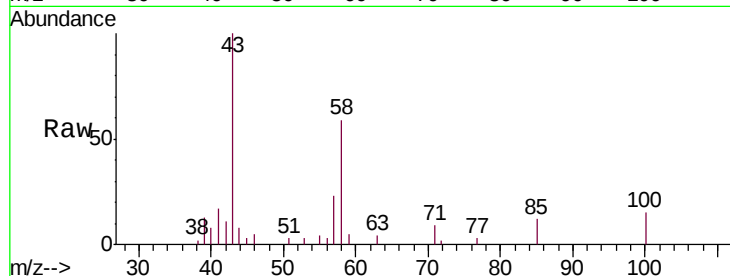




#48
2-Hexanone
Concen: 4.700 ug/L
RT: 8.20 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VV009414.D
Acq: 28 Feb 2019 10:35

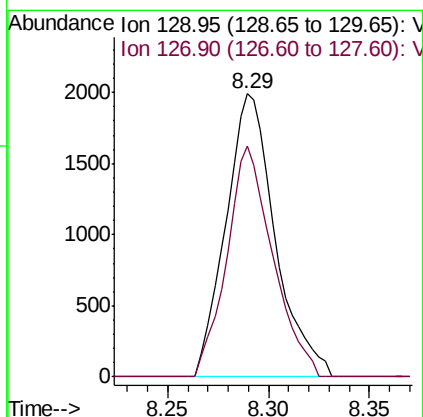
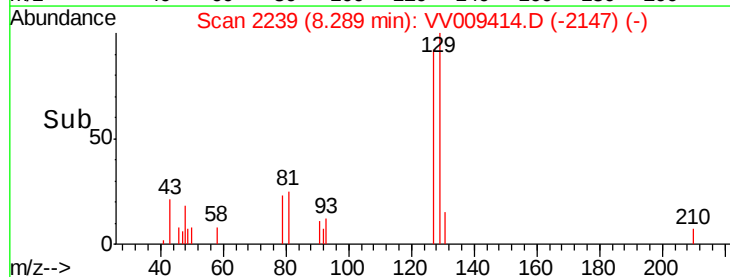
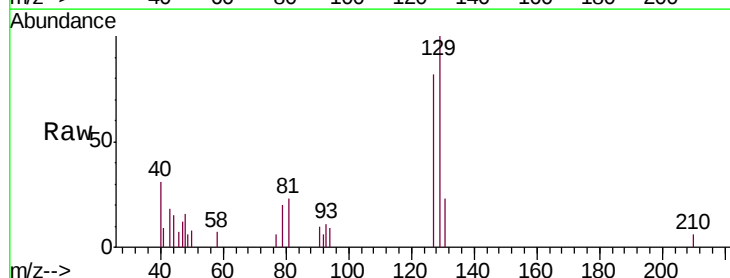
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.561

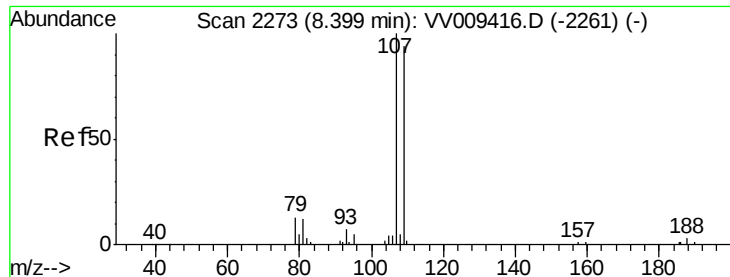
Tgt Ion: 43 Resp: 12751
Ion Ratio Lower Upper
43 100
58 53.4 45.2 67.8
57 23.2 16.0 24.0
100 12.6 10.2 15.4



#49
Dibromochloromethane
Concen: 0.536 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV009414.D
Acq: 28 Feb 2019 10:35

Tgt Ion: 129 Resp: 3395
Ion Ratio Lower Upper
129 100
127 81.6 56.6 105.2

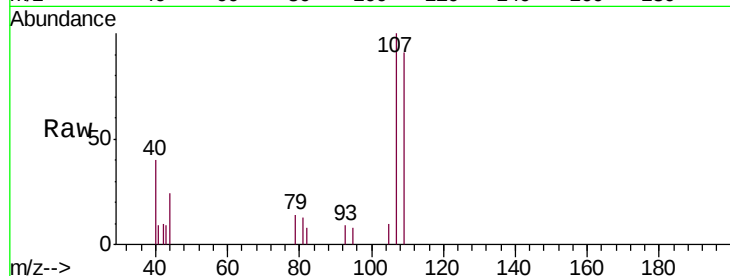




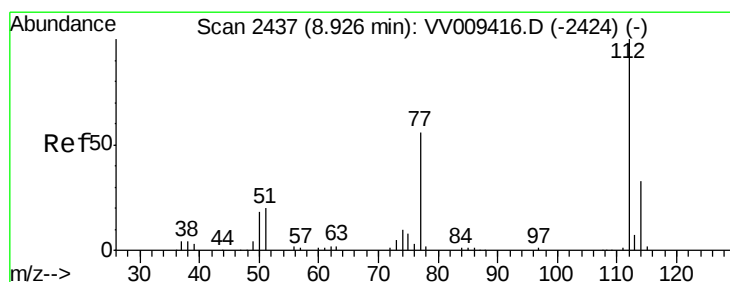
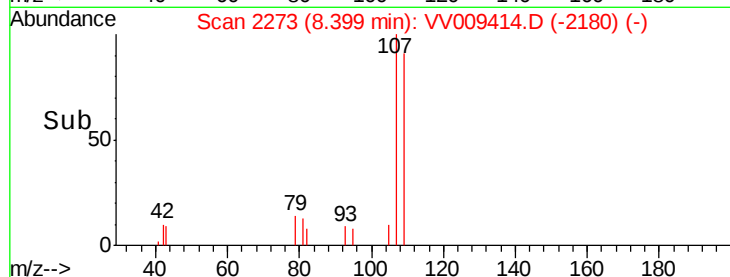
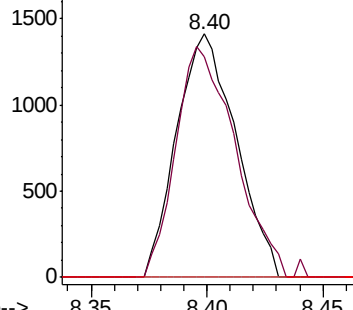
#50
1,2-Dibromoethane
Concen: 0.501 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VV009414.D
Acq: 28 Feb 2019 10:35

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.561

Tgt Ion:107 Resp: 2507
Ion Ratio Lower Upper
107 100
109 90.8 65.7 121.9
188 0.0 2.4 3.6#

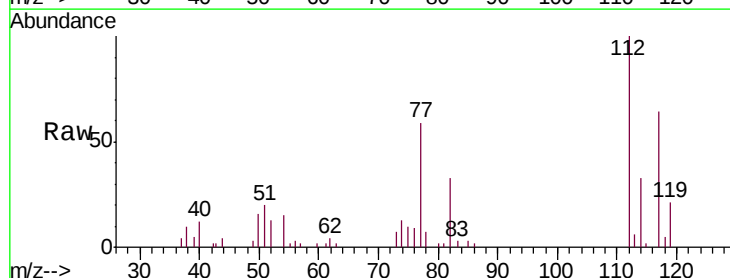


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

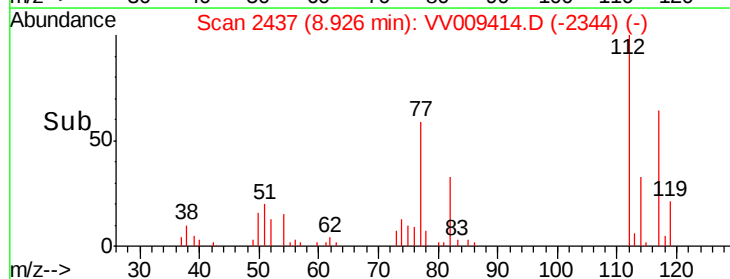
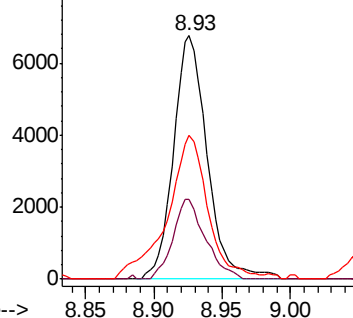


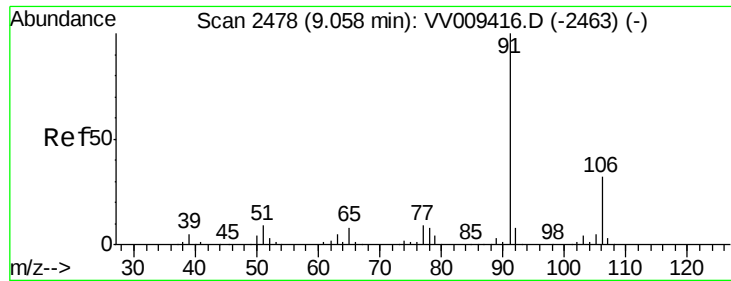
#51
Chlorobenzene
Concen: 0.524 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. -0.00 min
Lab File: VV009414.D
Acq: 28 Feb 2019 10:35

Tgt Ion:112 Resp: 11639
Ion Ratio Lower Upper
112 100
114 32.8 23.2 43.2
77 58.8 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: 0.543 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV009414.D

Acq: 28 Feb 2019 10:35

Instrument :

MSVOA_V

ClientSampleId :

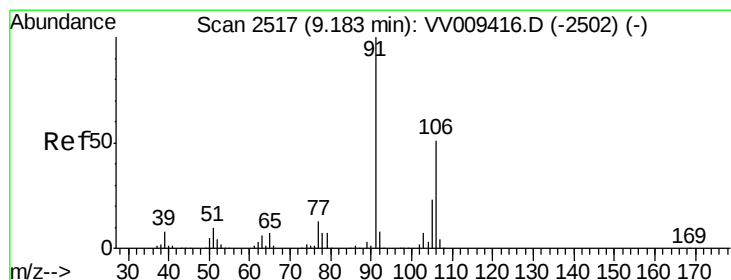
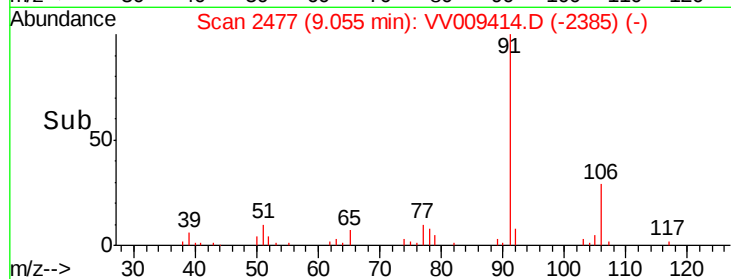
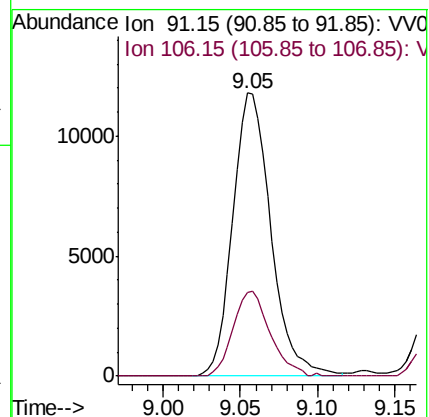
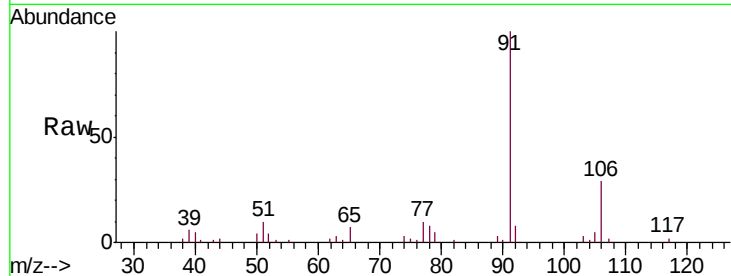
VSTD0.561

Tgt Ion: 91 Resp: 20188

Ion Ratio Lower Upper

91 100

106 29.5 22.2 41.2



#53

m,p-xylene

Concen: 0.550 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV009414.D

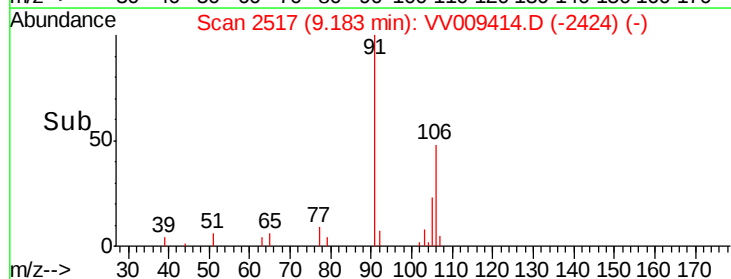
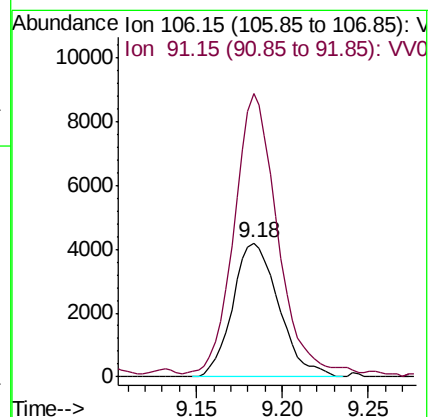
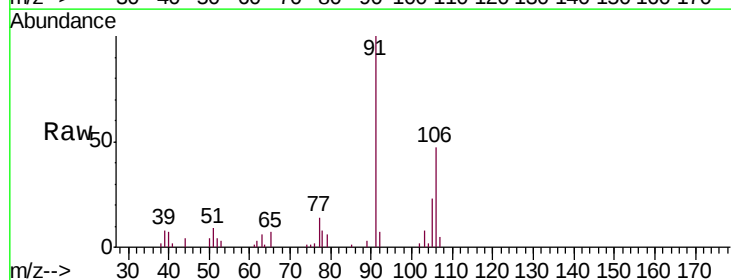
Acq: 28 Feb 2019 10:35

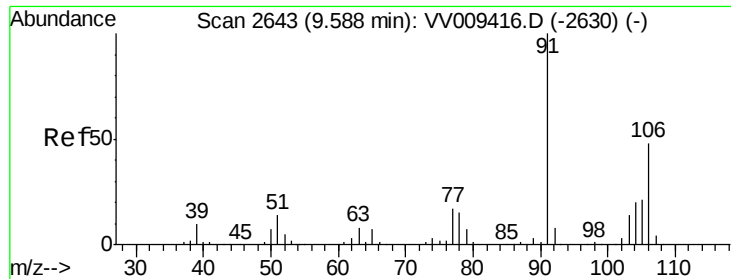
Tgt Ion: 106 Resp: 7851

Ion Ratio Lower Upper

106 100

91 211.8 138.9 258.1





#54

o-xylene

Concen: 0.548 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. -0.00 min

Lab File: VV009414.D

Acq: 28 Feb 2019 10:35

Instrument :

MSVOA_V

ClientSampleId :

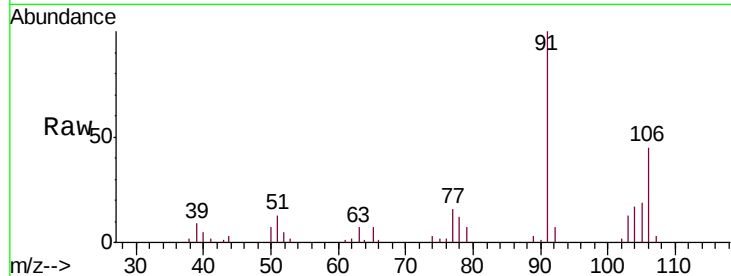
VSTD0.561

Tgt Ion:106 Resp: 7508

Ion Ratio Lower Upper

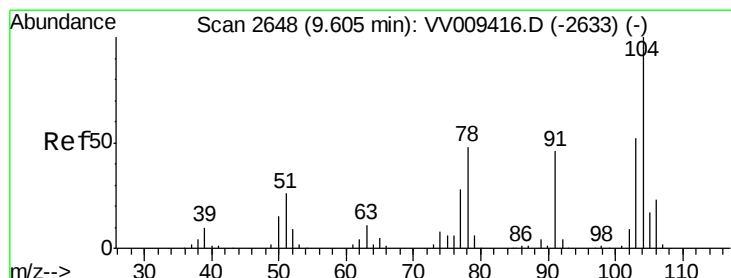
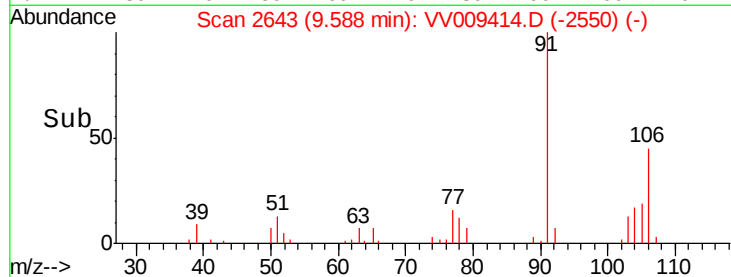
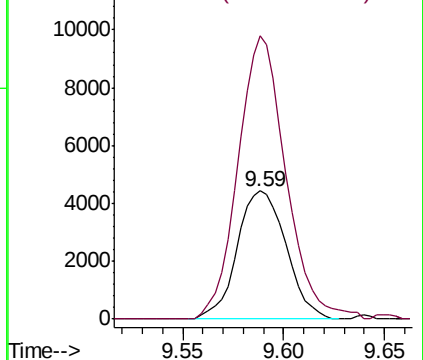
106 100

91 221.2 146.3 271.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 0.534 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. -0.00 min

Lab File: VV009414.D

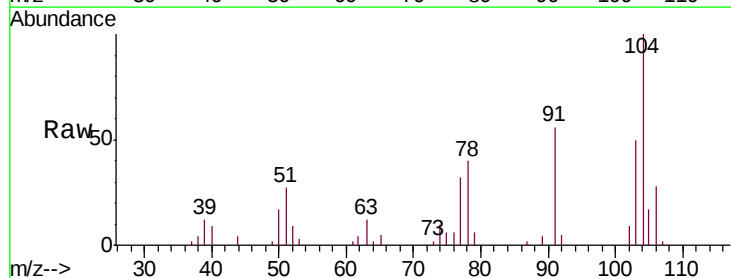
Acq: 28 Feb 2019 10:35

Tgt Ion:104 Resp: 11960

Ion Ratio Lower Upper

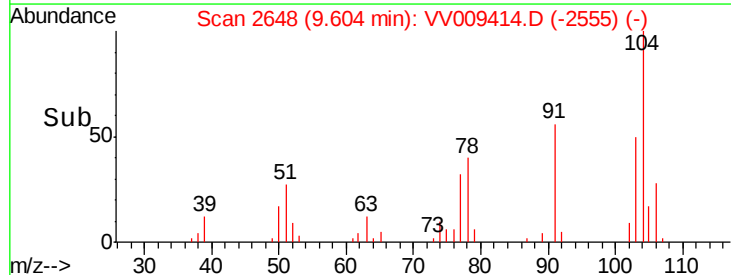
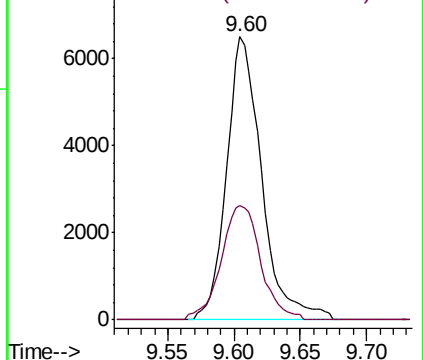
104 100

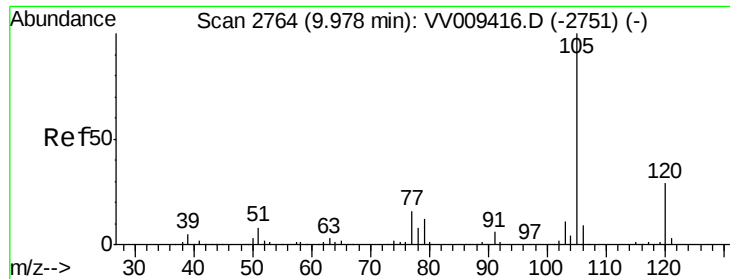
78 40.3 33.4 62.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 0.542 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV009414.D

Acq: 28 Feb 2019 10:35

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.561

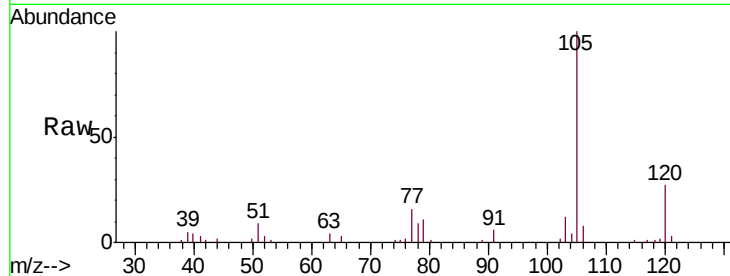
Tgt Ion: 105 Resp: 19951

Ion Ratio Lower Upper

105 100

120 26.5 22.1 33.1

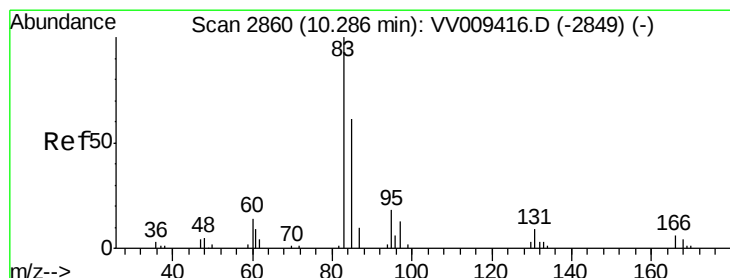
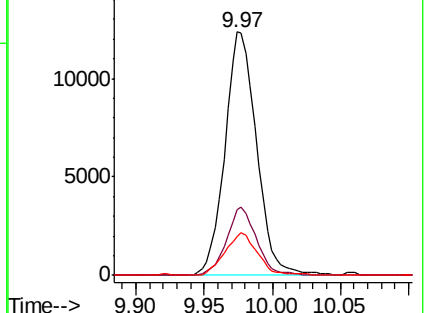
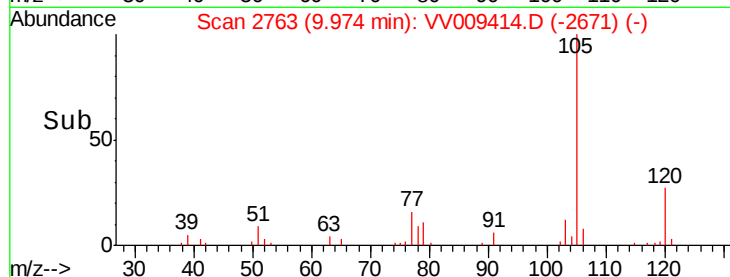
77 17.6 12.8 19.2



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: 0.573 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV009414.D

Acq: 28 Feb 2019 10:35

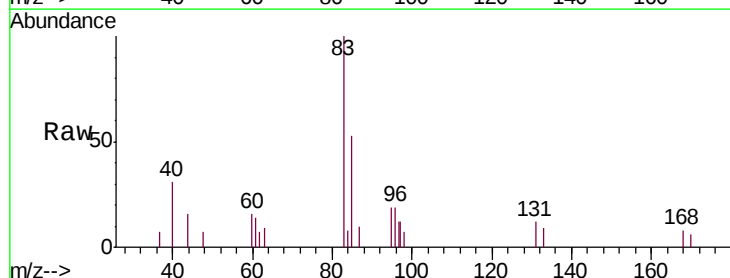
Tgt Ion: 83 Resp: 3180

Ion Ratio Lower Upper

83 100

85 53.4 43.4 80.6

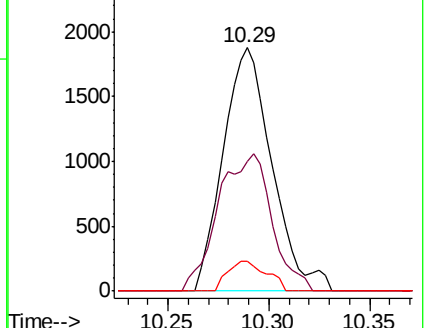
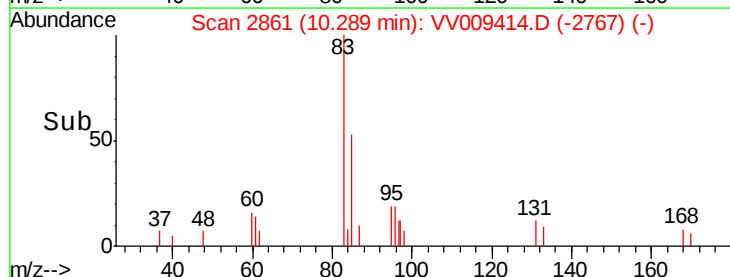
131 12.1 8.2 12.4

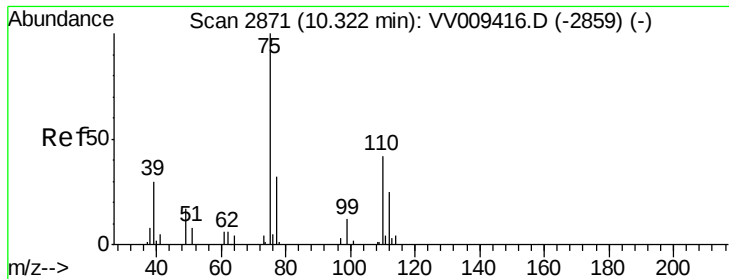


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

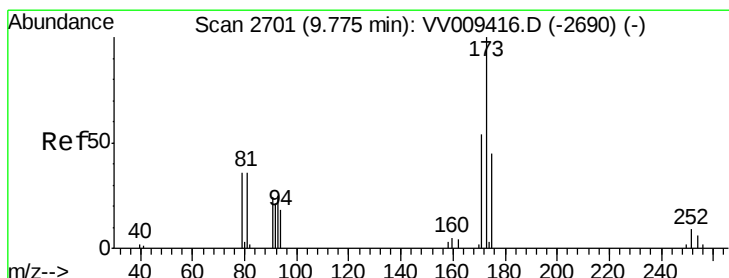
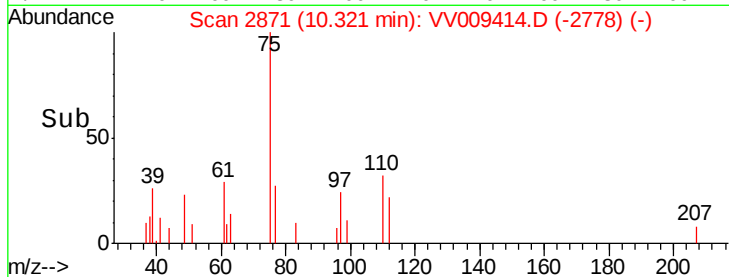
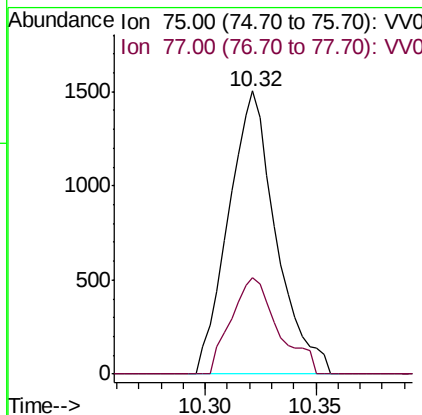
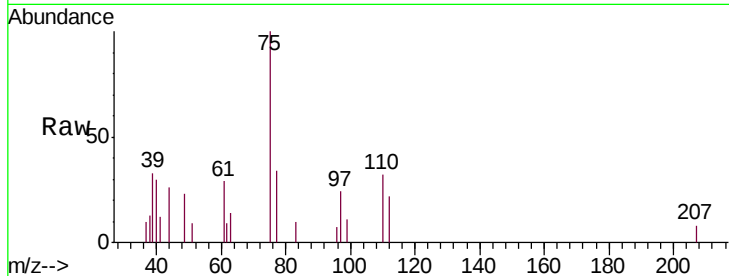




#59
 1,2,3-Trichloropropane
 Concen: 0.502 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VV009414.D
 Acq: 28 Feb 2019 10:35

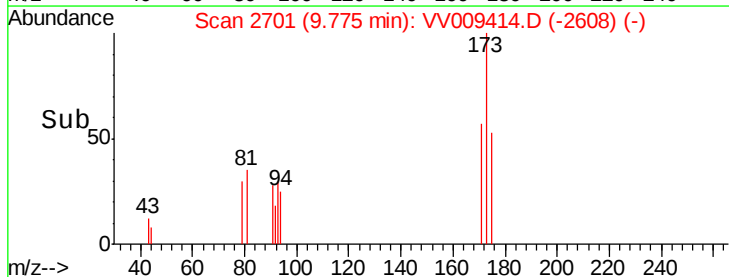
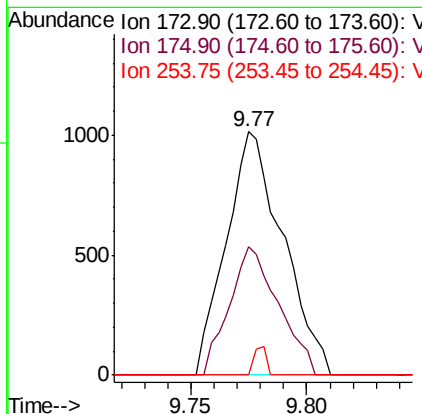
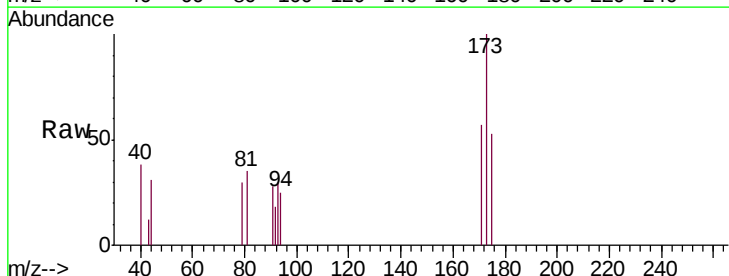
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.561

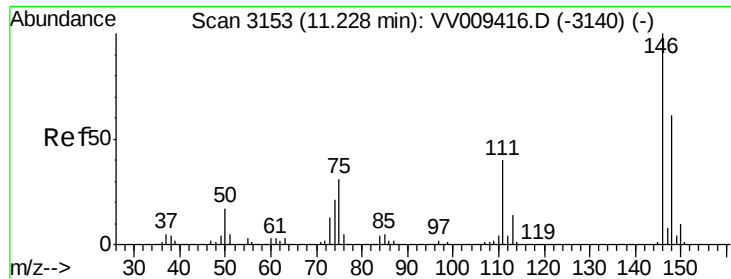
Tgt Ion: 75 Resp: 2252
 Ion Ratio Lower Upper
 75 100
 77 33.4 25.5 38.3



#61
 Bromoform
 Concen: 0.547 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. -0.00 min
 Lab File: VV009414.D
 Acq: 28 Feb 2019 10:35

Tgt Ion: 173 Resp: 1720
 Ion Ratio Lower Upper
 173 100
 175 45.8 37.4 56.0
 254 2.6 5.8 8.6#





#62

1,3-Dichlorobenzene

Concen: 0.529 ug/L

RT: 11.23 min Scan# 3154

Delta R.T. 0.00 min

Lab File: VV009414.D

Acq: 28 Feb 2019 10:35

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.561

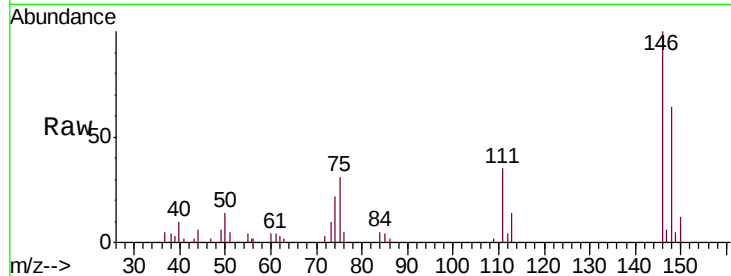
Tgt Ion:146 Resp: 8975

Ion Ratio Lower Upper

146 100

111 34.8 27.9 51.9

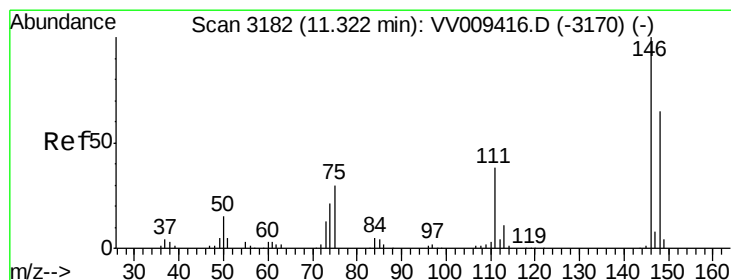
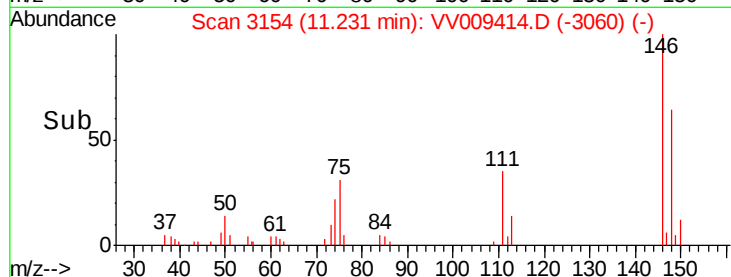
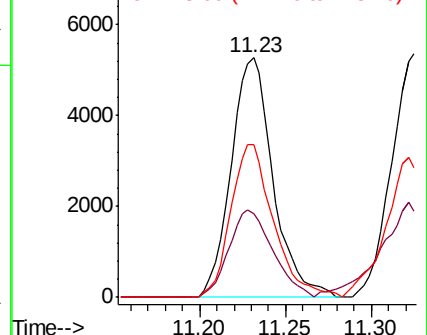
148 63.7 42.6 79.2



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: 0.515 ug/L

RT: 11.32 min Scan# 3183

Delta R.T. 0.00 min

Lab File: VV009414.D

Acq: 28 Feb 2019 10:35

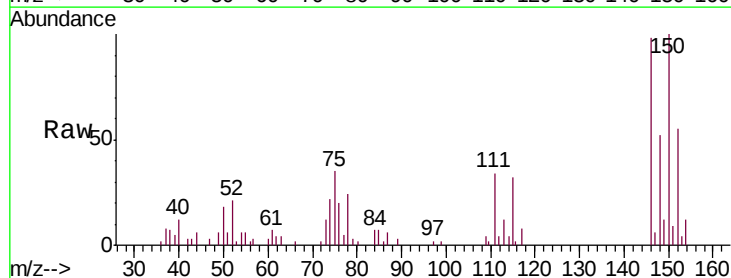
Tgt Ion:146 Resp: 8828

Ion Ratio Lower Upper

146 100

111 35.2 27.2 50.4

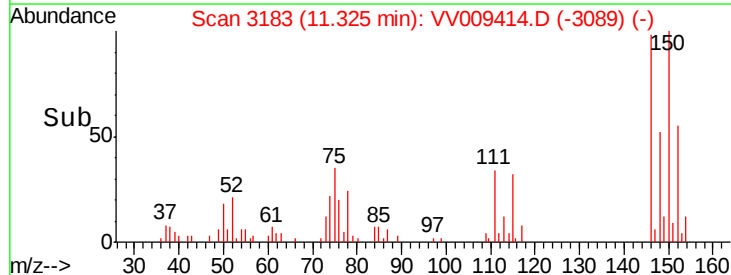
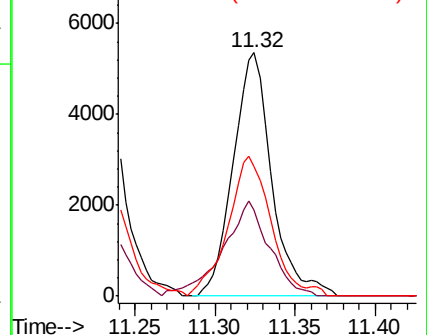
148 53.5 45.7 84.9

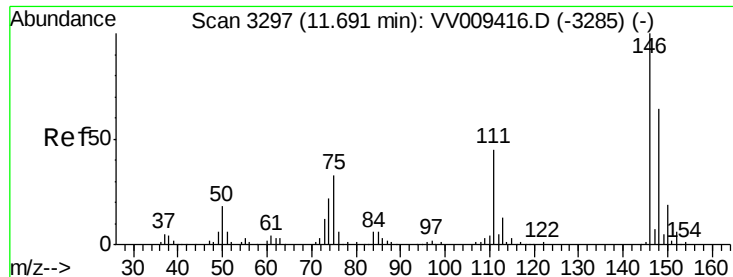


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 0.509 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. -0.00 min

Lab File: VV009414.D

Acq: 28 Feb 2019 10:35

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.561

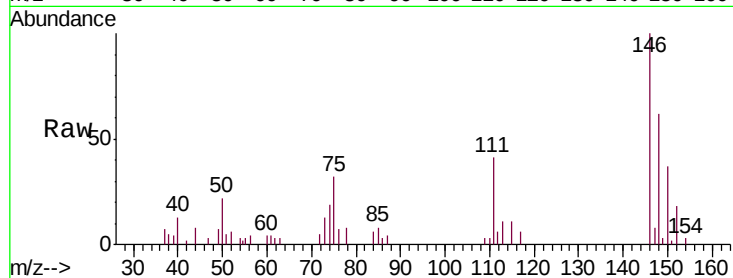
Tgt Ion:146 Resp: 7908

Ion Ratio Lower Upper

146 100

111 40.8 35.6 53.4

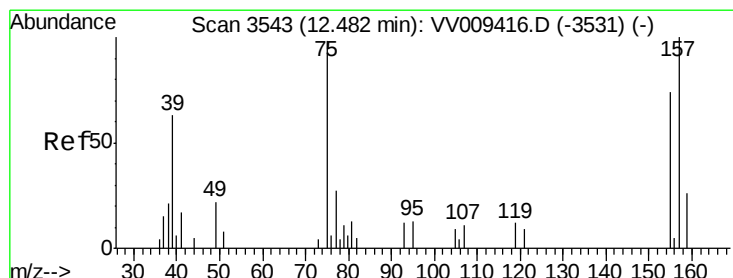
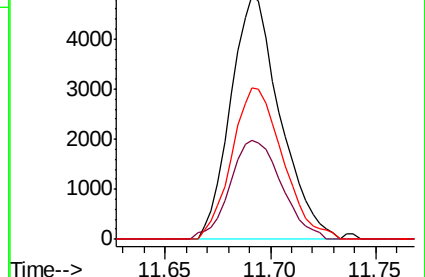
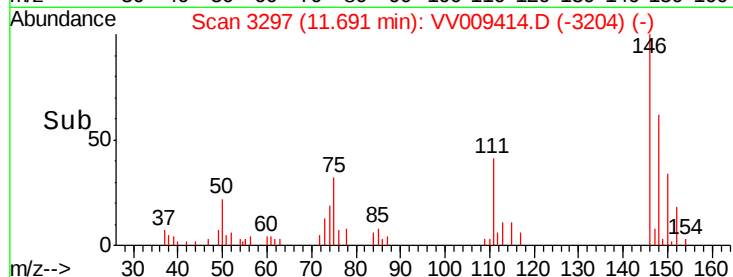
148 62.0 50.9 76.3



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: 0.479 ug/L

RT: 12.48 min Scan# 3542

Delta R.T. -0.00 min

Lab File: VV009414.D

Acq: 28 Feb 2019 10:35

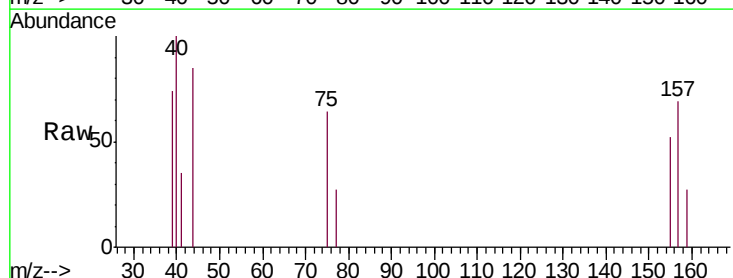
Tgt Ion: 75 Resp: 401

Ion Ratio Lower Upper

75 100

155 80.4 60.8 91.2

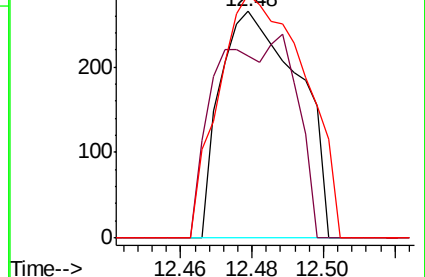
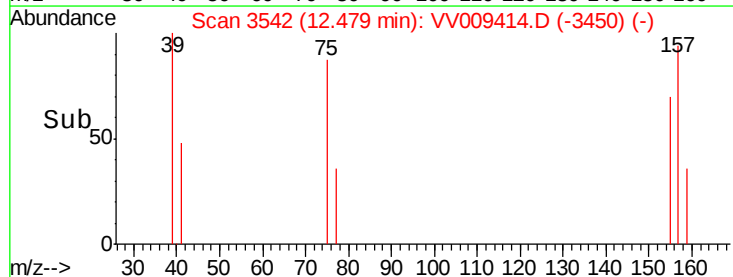
157 107.5 81.7 122.5

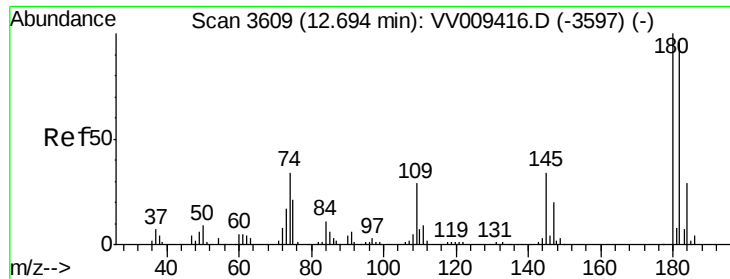


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

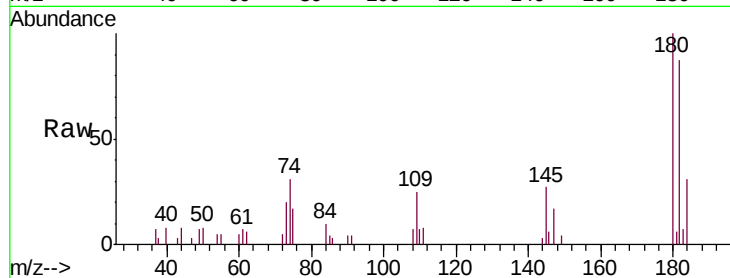




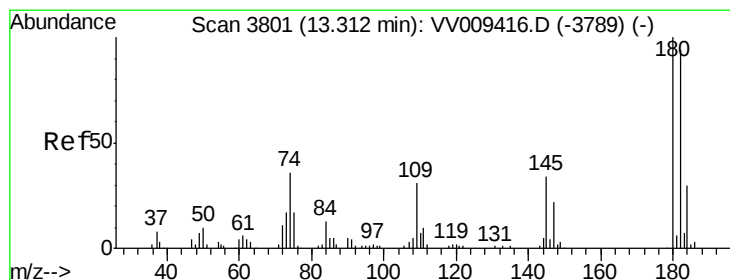
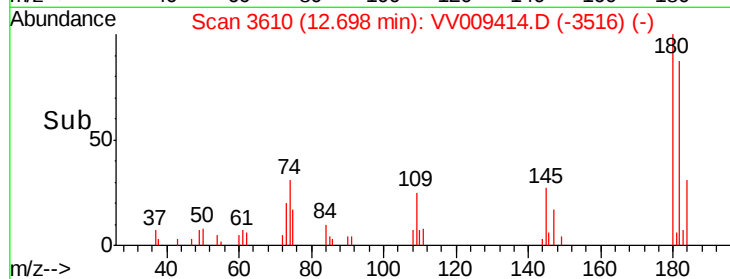
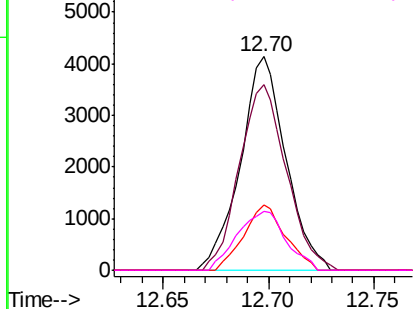
#67
 1,3,5-Trichlorobenzene
 Concen: 0.497 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VV009414.D
 Acq: 28 Feb 2019 10:35

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.561

Tgt Ion:180 Resp: 6188
 Ion Ratio Lower Upper
 180 100
 182 89.7 75.5 113.3
 184 28.2 23.4 35.0
 145 29.7 26.6 40.0

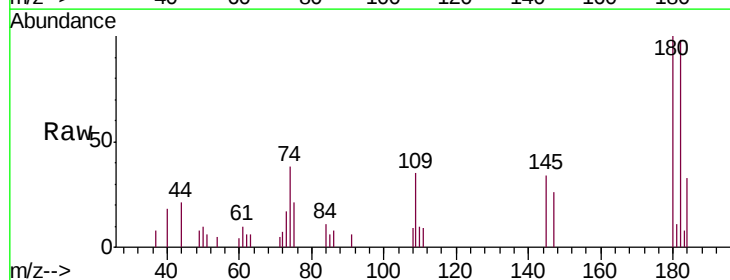


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

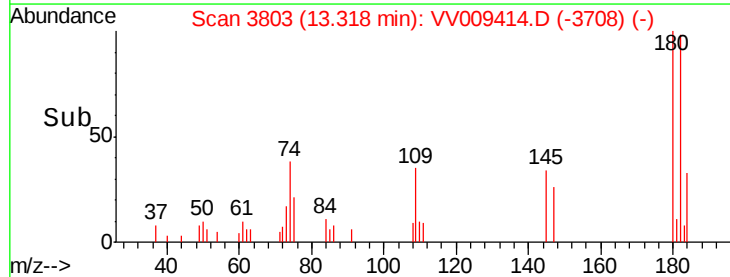
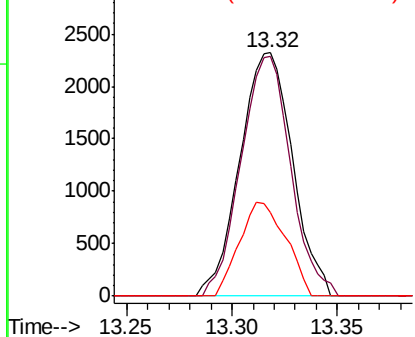


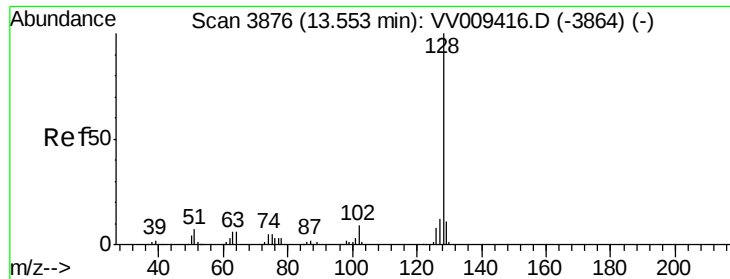
#68
 1,2,4-trichlorobenzene
 Concen: 0.432 ug/L
 RT: 13.32 min Scan# 3803
 Delta R.T. 0.01 min
 Lab File: VV009414.D
 Acq: 28 Feb 2019 10:35

Tgt Ion:180 Resp: 4029
 Ion Ratio Lower Upper
 180 100
 182 93.1 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: 0.475 ug/L

RT: 13.56 min Scan# 3878

Delta R.T. 0.01 min

Lab File: VV009414.D

Acq: 28 Feb 2019 10:35

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.561

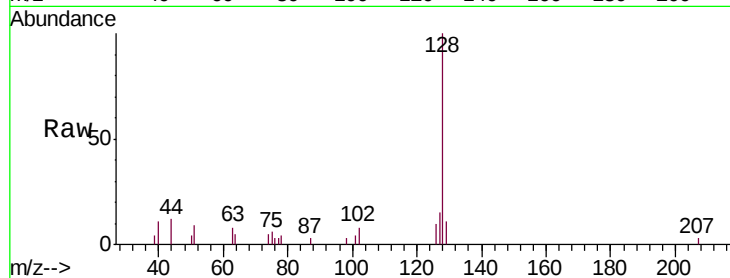
Tgt Ion:128 Resp: 6577

Ion Ratio Lower Upper

128 100

129 9.9 8.5 12.7

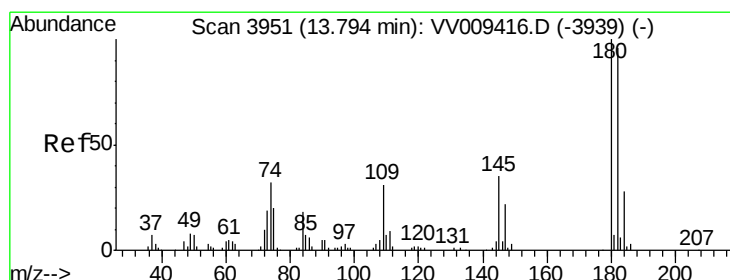
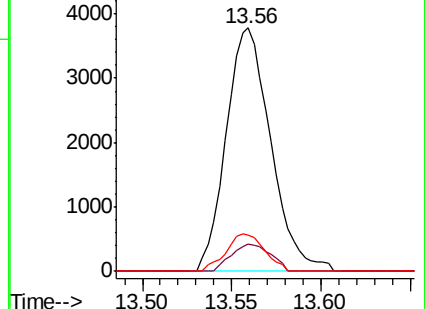
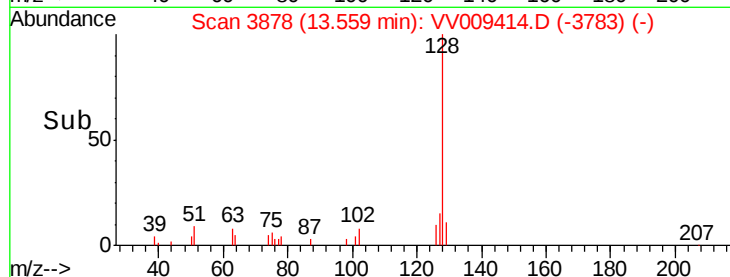
127 13.5 10.1 15.1



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: 0.456 ug/L

RT: 13.80 min Scan# 3953

Delta R.T. 0.01 min

Lab File: VV009414.D

Acq: 28 Feb 2019 10:35

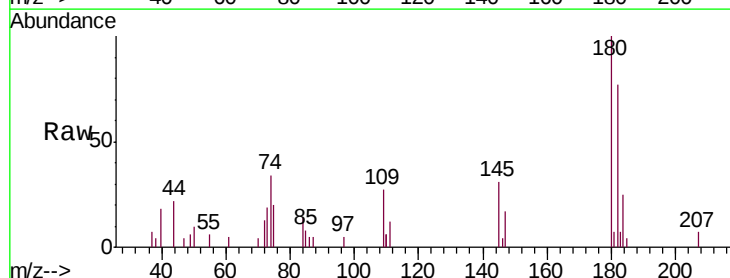
Tgt Ion:180 Resp: 3947

Ion Ratio Lower Upper

180 100

182 83.3 75.7 113.5

145 34.7 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

