

Data File : VV008567.D
Acq On : 15 Nov 2018 11:34
Operator : SY/MD
Sample : VSTD00568
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00568

Quant Time: Nov 16 03:58:13 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM111518WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 16 03:55:39 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	269891	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	239106	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	98058	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	9662	8.92	ug/L	0.00
7) Chloroethane-d5	1.57	69	6986	8.25	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	16634	7.37	ug/L	0.00
21) 2-Butanone-d5	3.93	46	7170	4.89	ug/L	0.00
24) Chloroform-d	4.40	84	20767	6.77	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	13806	6.98	ug/L	0.00
32) Benzene-d6	5.10	84	41748	7.62	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	13828	7.43	ug/L	0.00
41) Toluene-d8	7.36	98	35997	7.30	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	5884	6.81	ug/L	0.00
47) 2-Hexanone-d5	8.13	63	10355	10.17	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	16462	6.00	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	12455	7.02	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	11183	5.322	ug/L	98
3) Chloromethane	1.25	50	10141	4.837	ug/L	95
5) Vinyl chloride	1.32	62	9250	4.809	ug/L	98
6) Bromomethane	1.52	94	2903	4.968	ug/L	95
8) Chloroethane	1.59	64	5341	5.158	ug/L	97
9) Trichlorofluoromethane	1.77	101	13189	5.204	ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	7759	5.558	ug/L	96
12) 1,1-Dichloroethene	2.14	96	6607	5.090	ug/L	96
13) Acetone	2.19	43	13173	9.862	ug/L	99
14) Carbon disulfide	2.32	76	26283	4.920	ug/L	98
15) Methyl Acetate	2.46	43	11612	4.760	ug/L	99
16) Methylene chloride	2.54	84	11537	5.674	ug/L	98
17) trans-1,2-Dichloroethene	2.79	96	9592	5.177	ug/L	99
18) Methyl tert-butyl Ether	2.81	73	32034	5.029	ug/L	98
19) 1,1-Dichloroethane	3.23	63	17927	4.893	ug/L	97
20) cis-1,2-Dichloroethene	3.97	96	10352	4.874	ug/L	87
23) Bromochloromethane	4.29	128	1808	1.810	ug/L	89
25) Chloroform	4.43	83	23706	6.387	ug/L	100
27) 1,2-Dichloroethane	5.18	62	14983	5.092	ug/L	99
29) Cyclohexane	4.72	56	18280	5.525	ug/L	97
30) 1,1,1-Trichloroethane	4.66	97	15425	5.014	ug/L	99
31) Carbon tetrachloride	4.88	117	13077	5.044	ug/L	97
33) Benzene	5.15	78	39051	5.221	ug/L	100
34) Trichloroethene	5.96	95	10847	5.612	ug/L	97
35) Methylcyclohexane	6.18	83	17608	5.496	ug/L	98
37) 1,2-Dichloropropane	6.23	63	10452	5.116	ug/L	98
38) Bromodichloromethane	6.56	83	13109	5.114	ug/L	97
39) cis-1,3-Dichloropropene	7.07	75	14974	4.903	ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	27622	9.359	ug/L	97
42) Toluene	7.43	91	40861	5.203	ug/L	99

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Quant Title : VOC Analysis
QLast Update : Fri Nov 16 03:55:39 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) trans-1,3-Dichloropropene	7.70	75	13680	4.867	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	9524	5.188	ug/L	99
46) Tetrachloroethene	8.02	164	7294	5.275	ug/L	94
48) 2-Hexanone	8.19	43	21273	9.477	ug/L	95
49) Dibromochloromethane	8.29	129	9107	4.780	ug/L	93
50) 1,2-Dibromoethane	8.40	107	9371	4.883	ug/L #	91
51) Chlorobenzene	8.93	112	25601	5.178	ug/L	99
52) Ethylbenzene	9.06	91	43889	5.040	ug/L	99
53) m,p-Xylene	9.18	106	15880	4.984	ug/L	98
54) o-xylene	9.59	106	15922	4.983	ug/L	91
55) Styrene	9.61	104	24179	4.640	ug/L	98
56) Isopropylbenzene	9.98	105	40625	4.865	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.29	83	15106	4.998	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	12547	4.928	ug/L	100
61) Bromoform	9.78	173	5826	4.927	ug/L #	96
62) 1,3-Dichlorobenzene	11.23	146	16720	5.138	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	17104	5.297	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	17419	5.273	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.48	75	3183	5.263	ug/L	95
67) 1,3,5-Trichlorobenzene	12.69	180	11366	5.304	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	7673	4.602	ug/L	99
69) Naphthalene	13.56	128	19368	3.846	ug/L	98
70) 1,2,3-Trichlorobenzene	13.80	180	7796	4.617	ug/L	98

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

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```
ALS Vial      : 2      Sample Multiplier: 1
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Instrument :
MSVOA_V
ClientSampleId :
VSTD00568

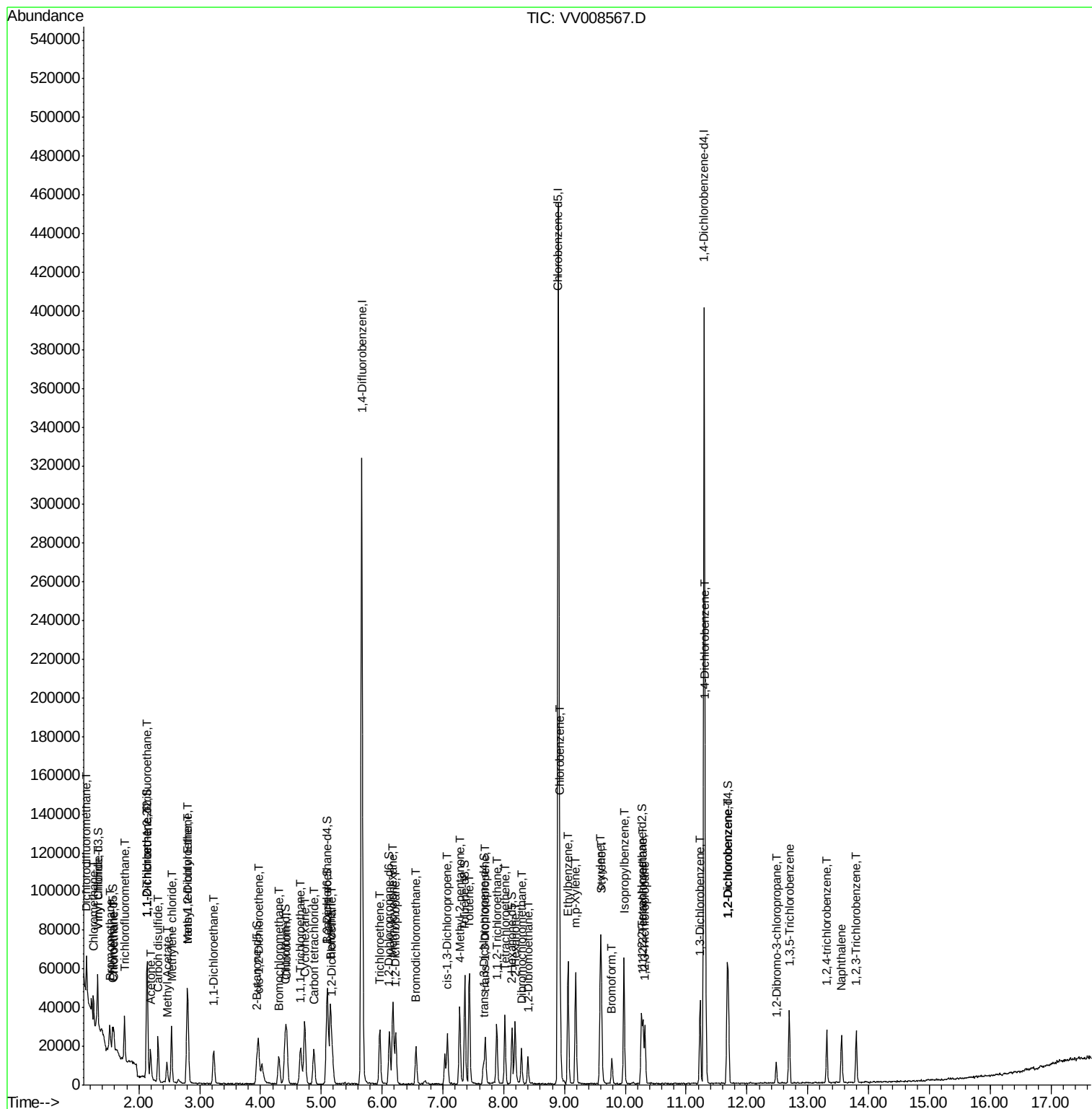
Quant Time: Nov 16 03:58:13 2018

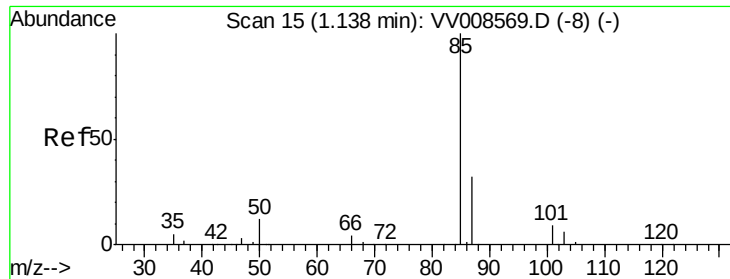
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVLM111518WMA.M

Quant Title : VOC Analysis

QLast Update : Fri Nov 16 03:55:39 2018

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 5.322 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV008567.D

Acq: 15 Nov 2018 11:34

Instrument :

MSVOA_V

ClientSampleId :

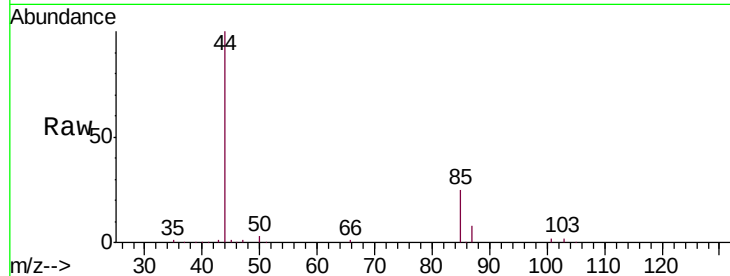
VSTD00568

Tgt Ion: 85 Resp: 11183

Ion Ratio Lower Upper

85 100

87 33.1 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VV008567.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV008567.D (-8) (-)

1.14

12000

10000

8000

6000

4000

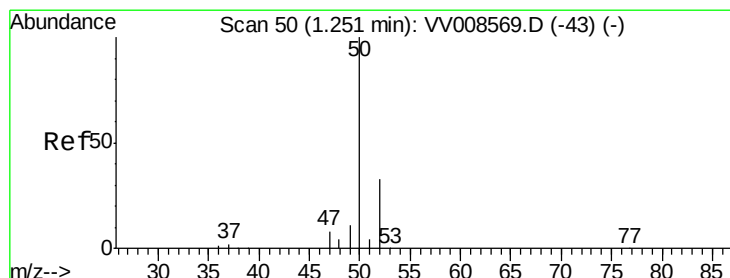
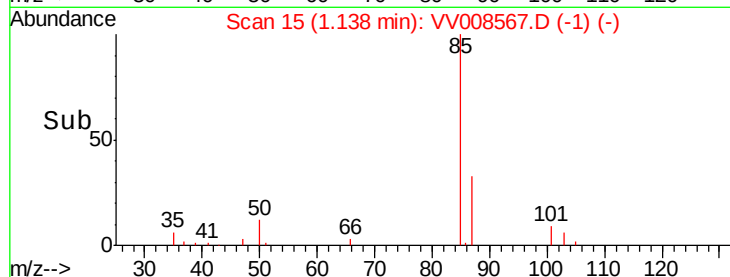
2000

0

Time-->

1.10

1.15



#3

Chloromethane

Concen: 4.837 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV008567.D

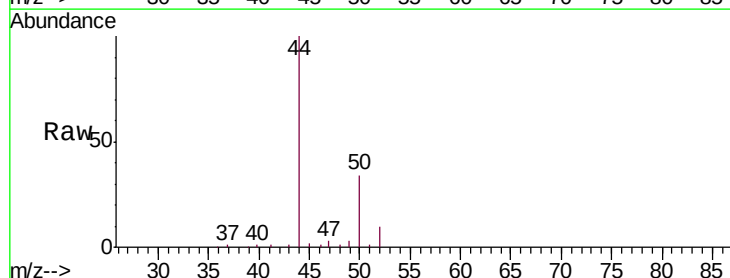
Acq: 15 Nov 2018 11:34

Tgt Ion: 50 Resp: 10141

Ion Ratio Lower Upper

50 100

52 30.4 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VV008567.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VV008567.D (-43) (-)

1.25

10000

8000

6000

4000

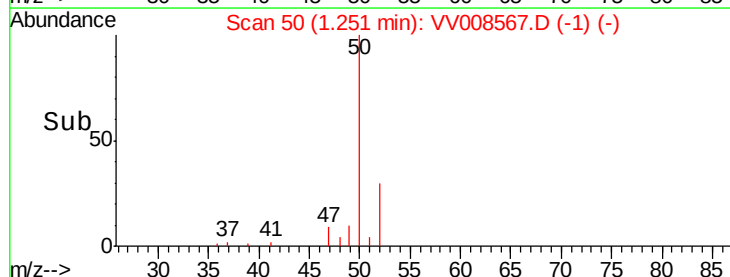
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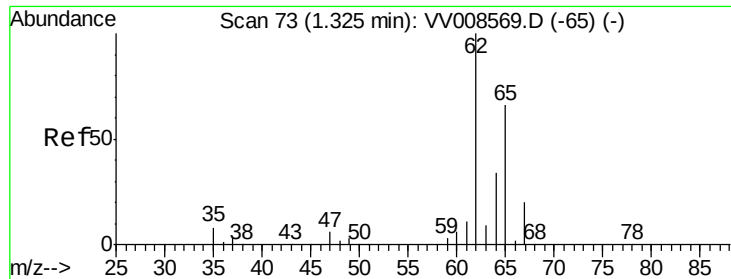
0

Time-->

1.25

1.30





#5

Vinyl chloride

Concen: 4.809 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV008567.D

Acq: 15 Nov 2018 11:34

Instrument :

MSVOA_V

ClientSampleId :

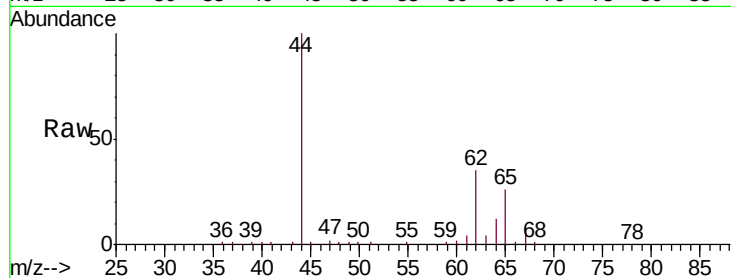
VSTD00568

Tgt Ion: 62 Resp: 9250

Ion Ratio Lower Upper

62 100

64 34.8 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

10000

8000

6000

4000

2000

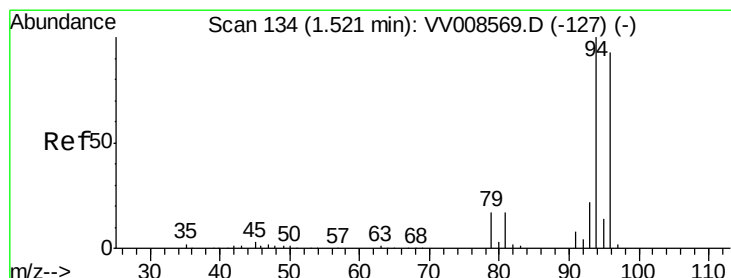
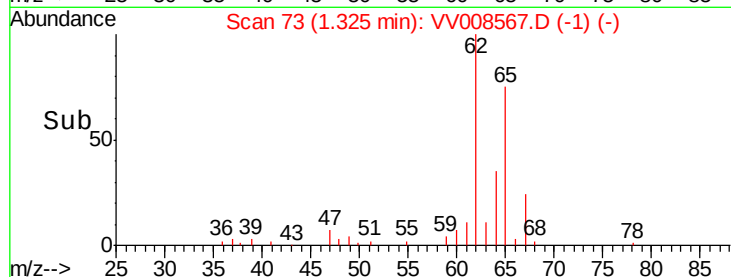
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Time-->

1.30

1.32

1.35



#6

Bromomethane

Concen: 4.968 ug/L

RT: 1.52 min Scan# 134

Delta R.T. 0.00 min

Lab File: VV008567.D

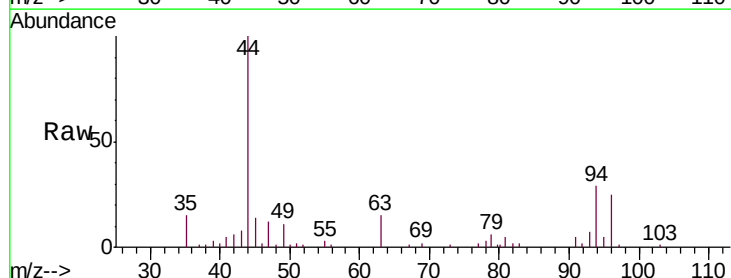
Acq: 15 Nov 2018 11:34

Tgt Ion: 94 Resp: 2903

Ion Ratio Lower Upper

94 100

96 87.9 65.0 120.8



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

3000

2000

1000

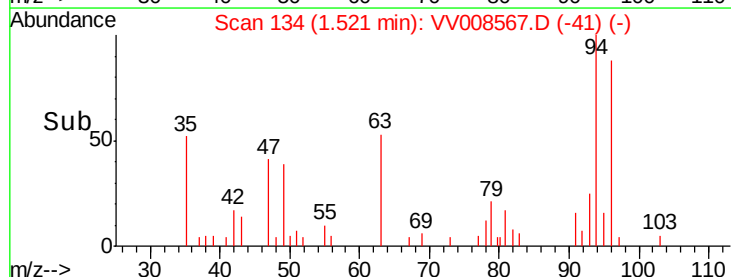
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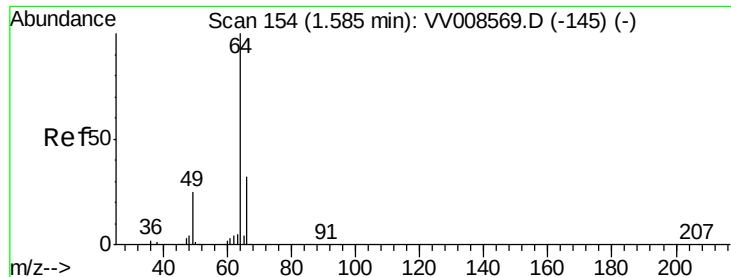
Time-->

1.50

1.52

1.55





#8

Chloroethane

Concen: 5.158 ug/L

RT: 1.59 min Scan# 154

Delta R.T. 0.00 min

Lab File: VV008567.D

Acq: 15 Nov 2018 11:34

Instrument :

MSVOA_V

ClientSampleId :

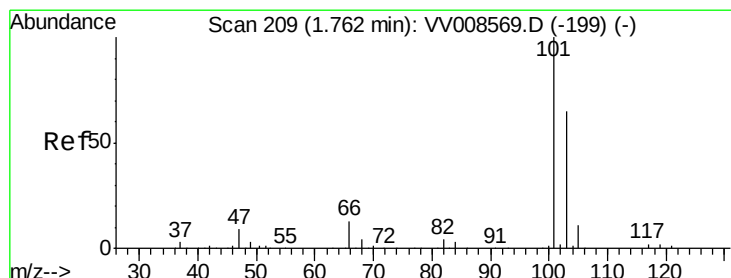
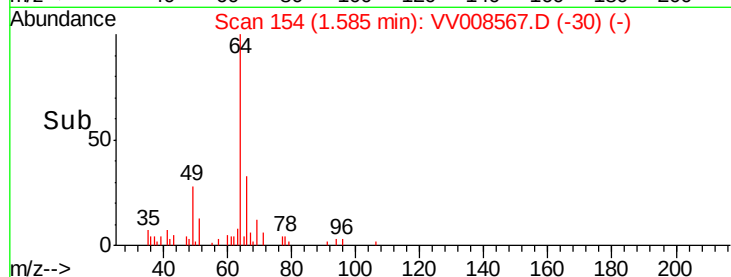
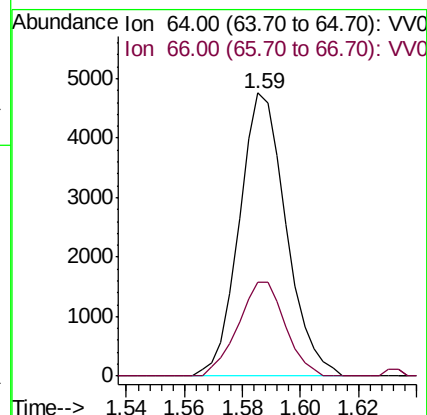
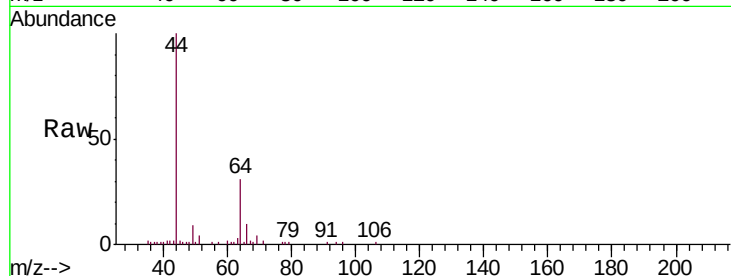
VSTD00568

Tgt Ion: 64 Resp: 5341

Ion Ratio Lower Upper

64 100

66 33.2 22.0 41.0



#9

Trichlorofluoromethane

Concen: 5.204 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV008567.D

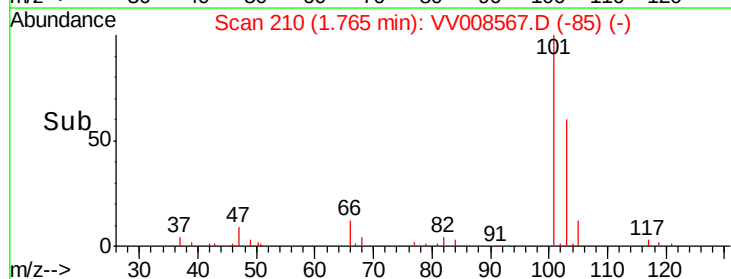
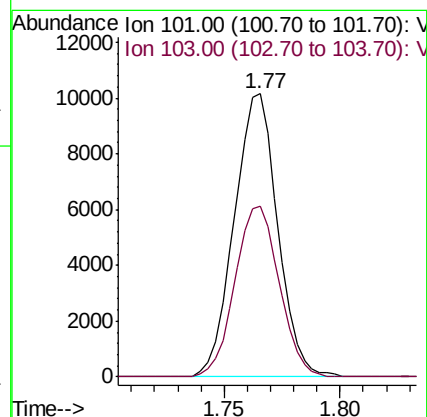
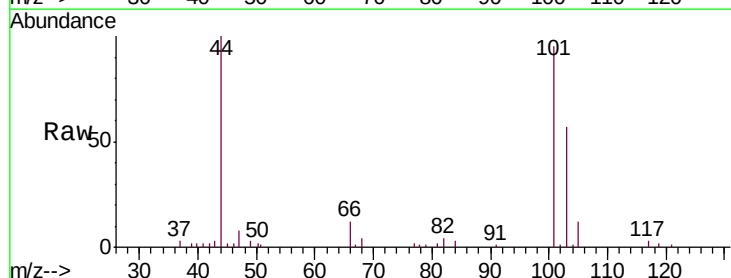
Acq: 15 Nov 2018 11:34

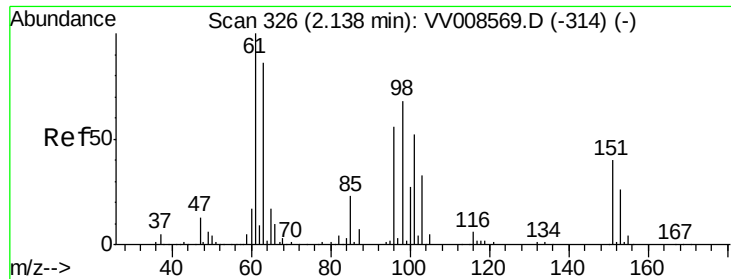
Tgt Ion: 101 Resp: 13189

Ion Ratio Lower Upper

101 100

103 61.5 52.5 78.7





#10

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

Concen: 5.558 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV008567.D

Acq: 15 Nov 2018 11:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD00568

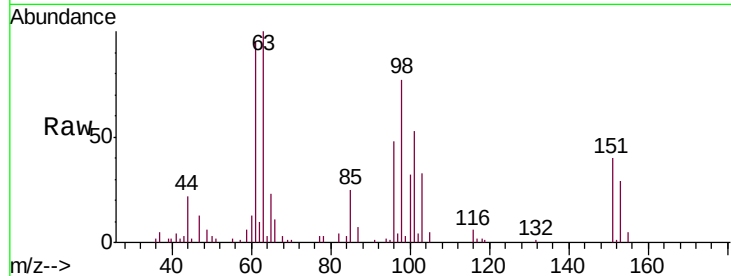
Tgt Ion: 101 Resp: 7759

Ion Ratio Lower Upper

101 100

85 42.7 35.7 53.5

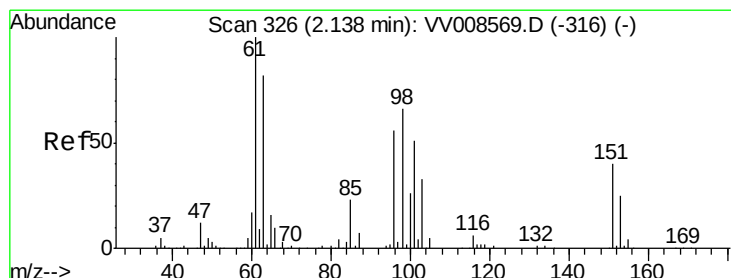
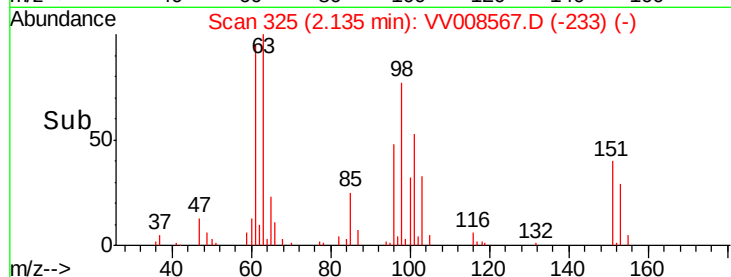
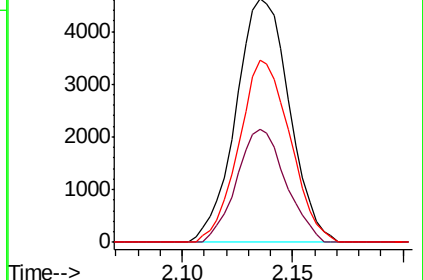
151 71.9 60.9 91.3



Abundance Ion 101.00 (100.70 to 101.70): VV008569.D (-314) (-)

Ion 85.00 (84.70 to 85.70): VV008569.D (-314) (-)

Ion 151.00 (150.70 to 151.70): VV008569.D (-314) (-)



#12

1,1-Dichloroethene

Concen: 5.090 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV008567.D

Acq: 15 Nov 2018 11:34

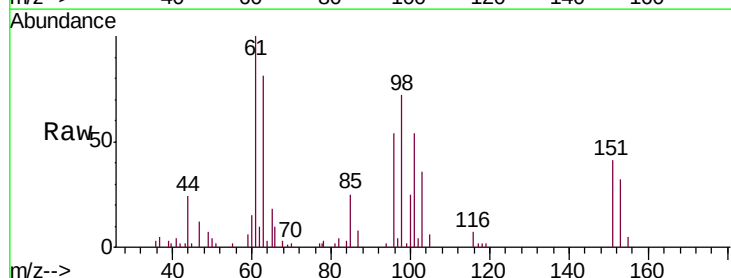
Tgt Ion: 96 Resp: 6607

Ion Ratio Lower Upper

96 100

61 184.9 125.6 233.2

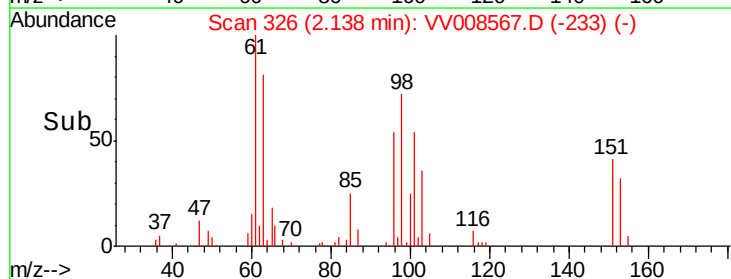
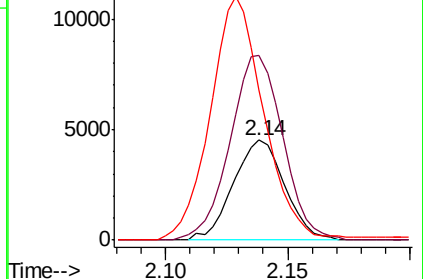
63 150.5 108.3 201.1

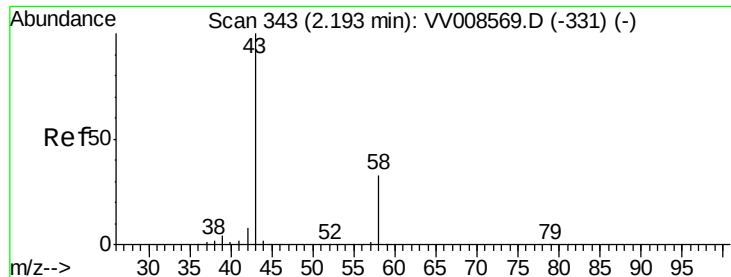


Abundance Ion 96.00 (95.70 to 96.70): VV008569.D (-316) (-)

Ion 61.00 (60.70 to 61.70): VV008569.D (-316) (-)

Ion 63.00 (62.70 to 63.70): VV008569.D (-316) (-)





#13

Acetone

Concen: 9.862 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.00 min

Lab File: VV008567.D

Acq: 15 Nov 2018 11:34

Instrument :

MSVOA_V

ClientSampleId :

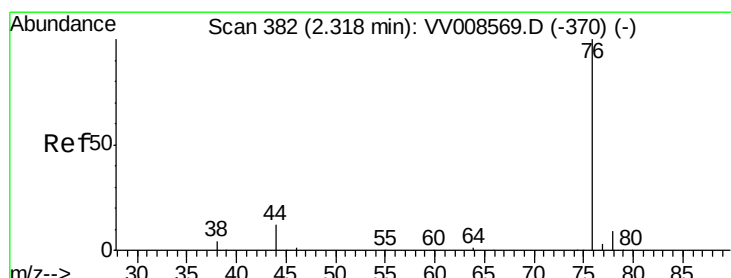
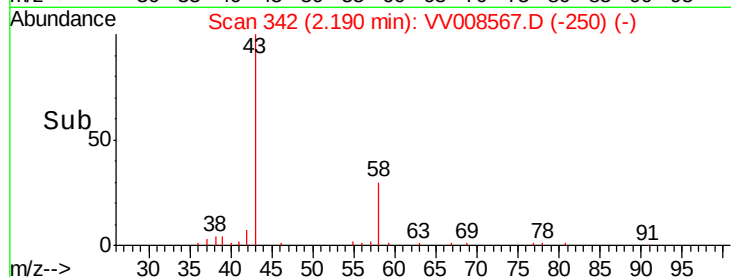
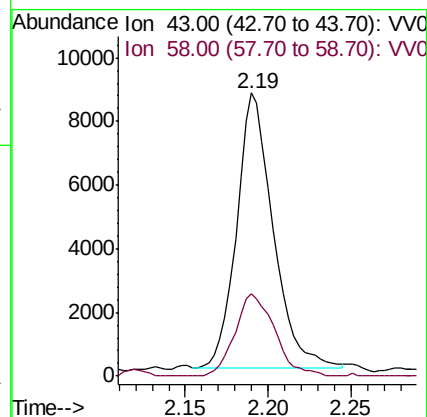
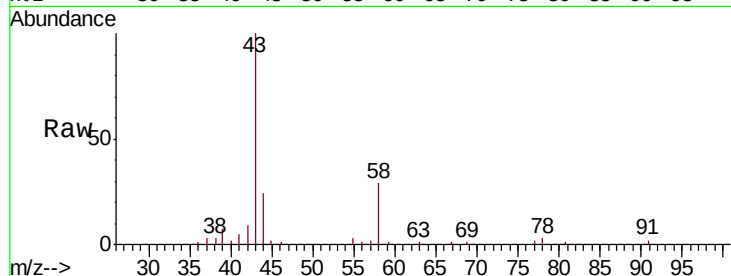
VSTD00568

Tgt Ion: 43 Resp: 13173

Ion Ratio Lower Upper

43 100

58 32.8 0.0 64.2



#14

Carbon disulfide

Concen: 4.920 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV008567.D

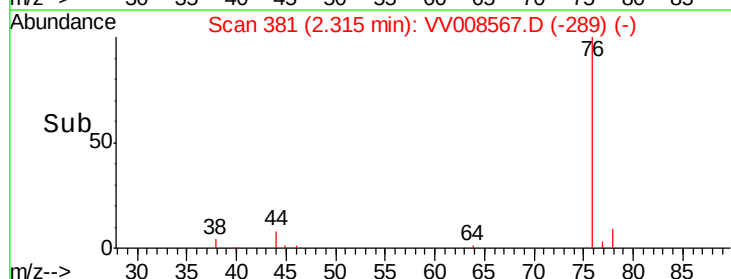
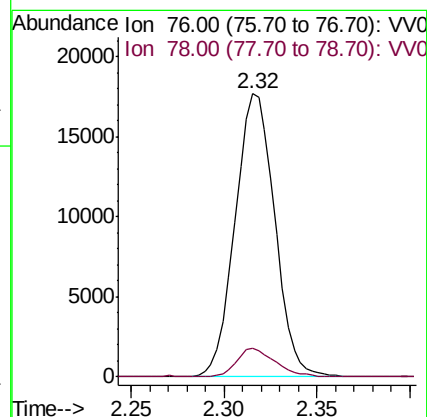
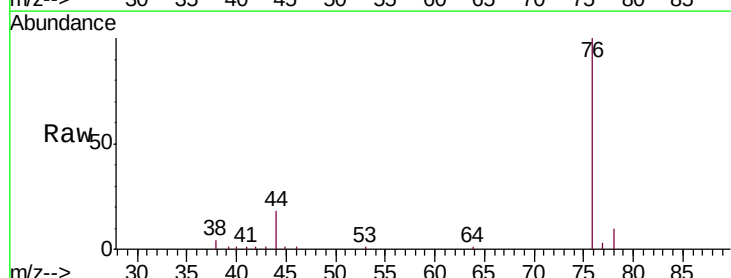
Acq: 15 Nov 2018 11:34

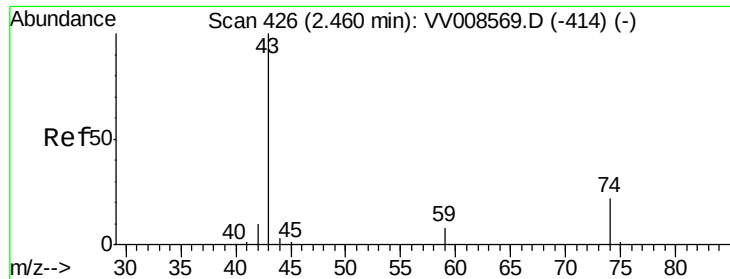
Tgt Ion: 76 Resp: 26283

Ion Ratio Lower Upper

76 100

78 10.1 7.4 11.2

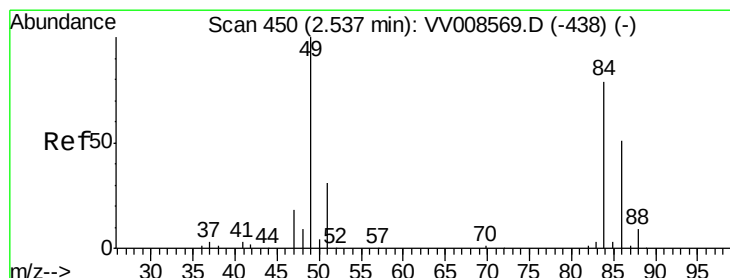
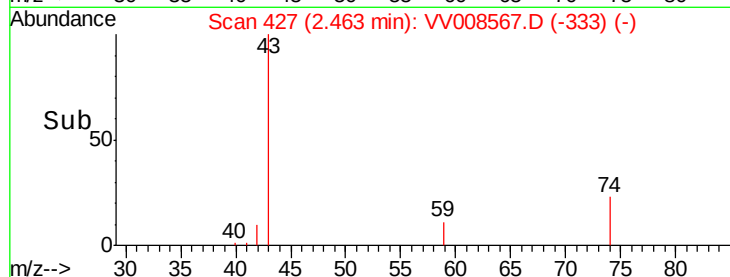
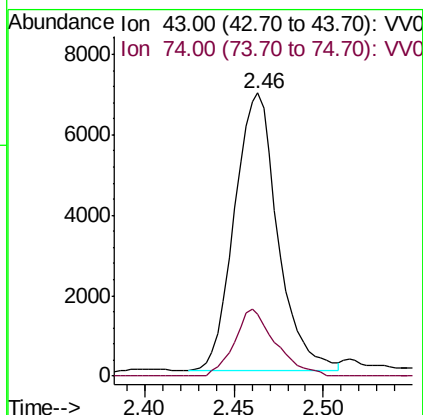
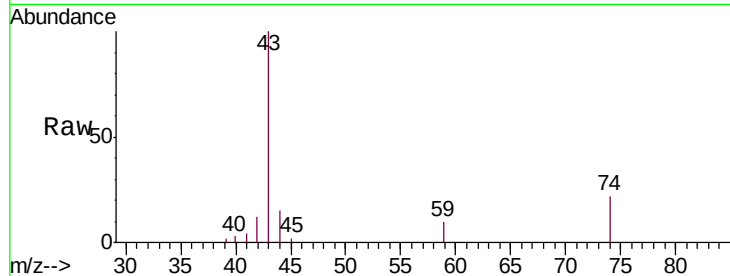




#15
Methyl Acetate
Concen: 4.760 ug/L
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VV008567.D
Acq: 15 Nov 2018 11:34

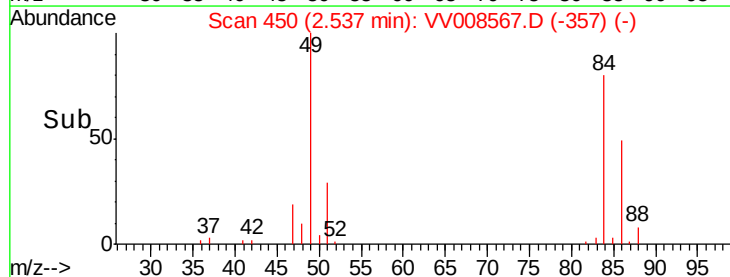
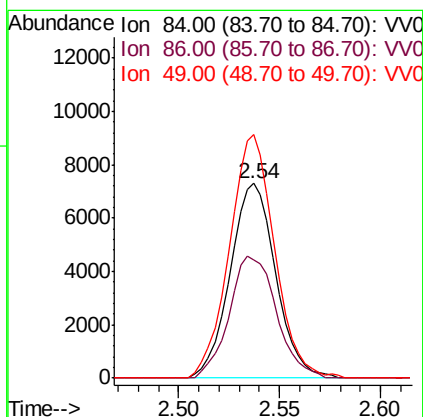
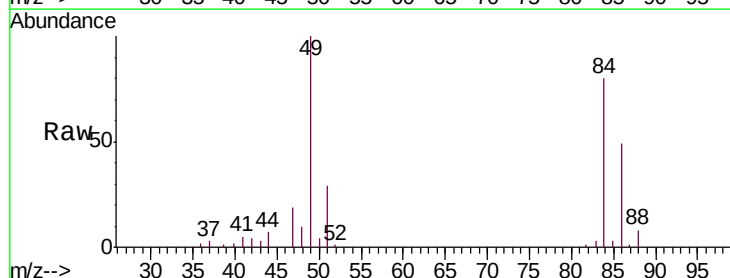
Instrument :
MSVOA_V
ClientSampleId :
VSTD00568

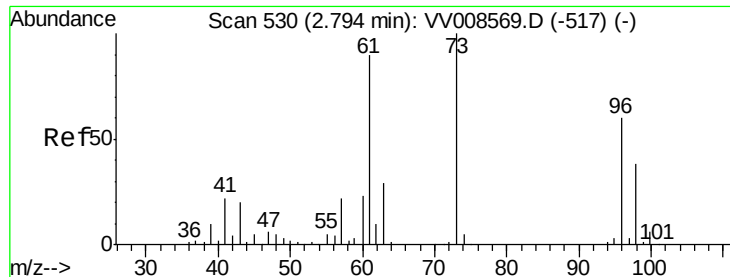
Tgt Ion: 43 Resp: 11612
Ion Ratio Lower Upper
43 100
74 23.1 18.2 27.4



#16
Methylene chloride
Concen: 5.674 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV008567.D
Acq: 15 Nov 2018 11:34

Tgt Ion: 84 Resp: 11537
Ion Ratio Lower Upper
84 100
86 60.9 44.8 83.2
49 125.2 88.1 163.7





#17

trans-1,2-Dichloroethene

Concen: 5.177 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.00 min

Lab File: VV008567.D

Acq: 15 Nov 2018 11:34

Instrument :

MSVOA_V

ClientSampled :

VSTD00568

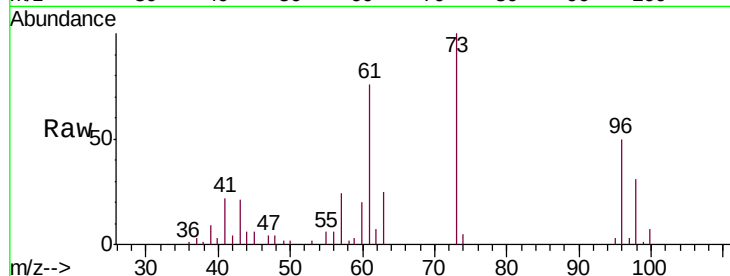
Tgt Ion: 96 Resp: 9592

Ion Ratio Lower Upper

96 100

61 151.6 104.9 194.9

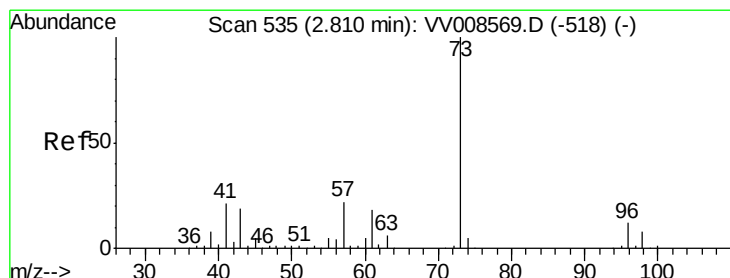
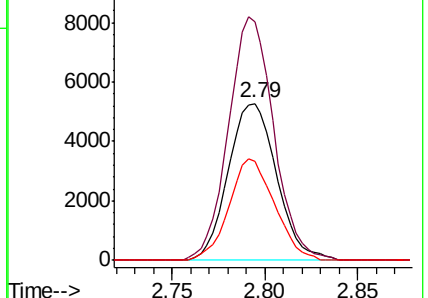
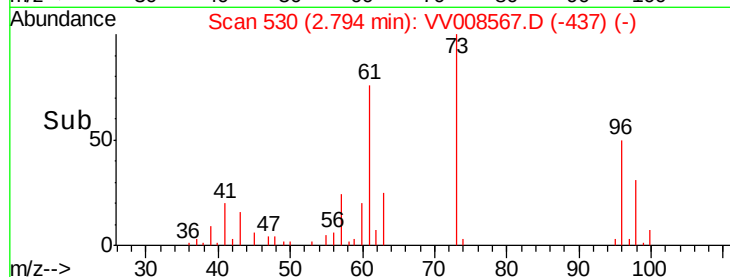
98 62.8 44.2 82.0



Abundance Ion 96.00 (95.70 to 96.70): VV008567.D (-437) (-)

Ion 61.00 (60.70 to 61.70): VV008567.D (-437) (-)

Ion 98.00 (97.70 to 98.70): VV008567.D (-437) (-)



#18

Methyl tert-butyl Ether

Concen: 5.029 ug/L

RT: 2.81 min Scan# 534

Delta R.T. -0.00 min

Lab File: VV008567.D

Acq: 15 Nov 2018 11:34

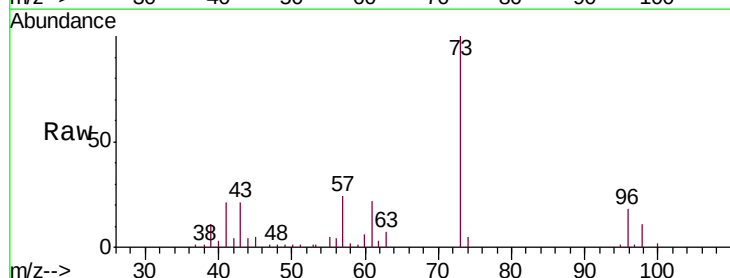
Tgt Ion: 73 Resp: 32034

Ion Ratio Lower Upper

73 100

43 20.1 15.4 23.2

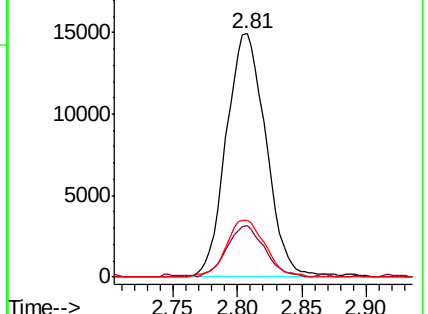
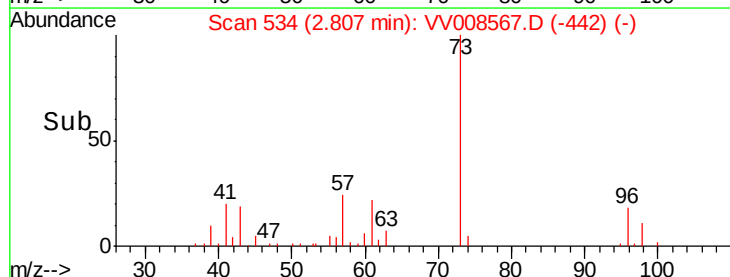
57 23.1 17.5 26.3

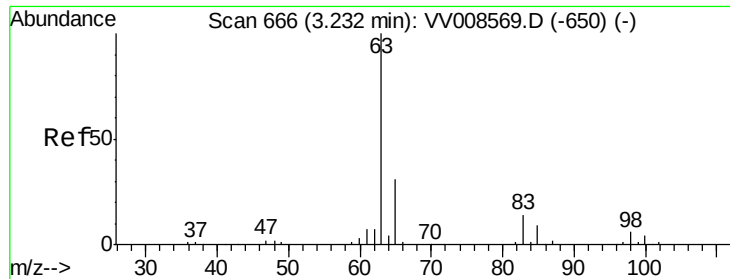


Abundance Ion 73.00 (72.70 to 73.70): VV008567.D (-442) (-)

Ion 43.00 (42.70 to 43.70): VV008567.D (-442) (-)

Ion 57.00 (56.70 to 57.70): VV008567.D (-442) (-)

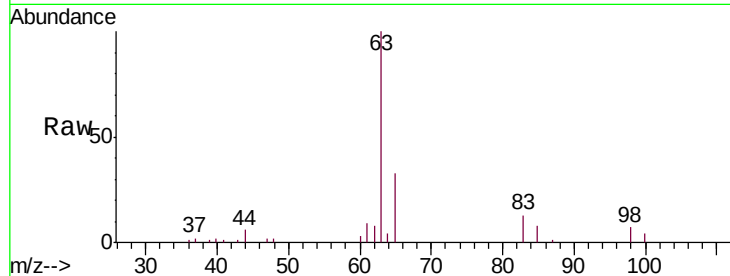




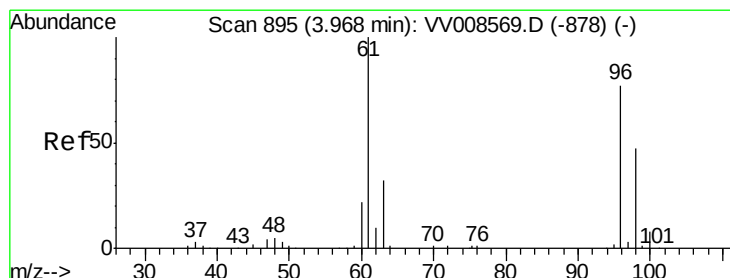
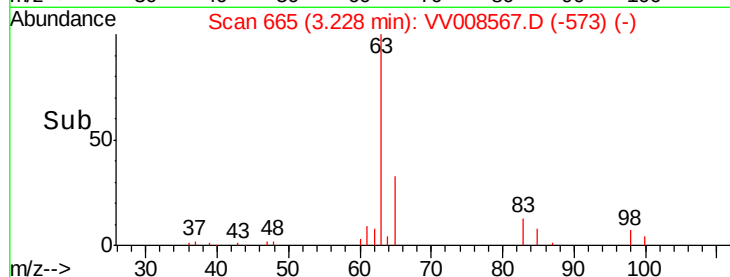
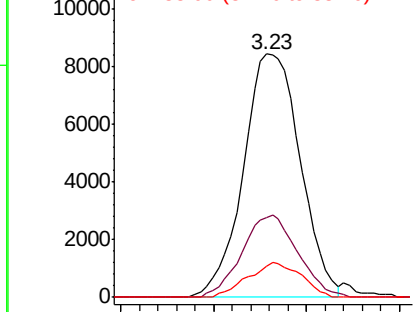
#19
 1,1-Dichloroethane
 Concen: 4.893 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. -0.00 min
 Lab File: VV008567.D
 Acq: 15 Nov 2018 11:34

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00568

Tgt Ion: 63 Resp: 17927
 Ion Ratio Lower Upper
 63 100
 65 32.9 21.8 40.6
 83 12.8 9.5 17.7

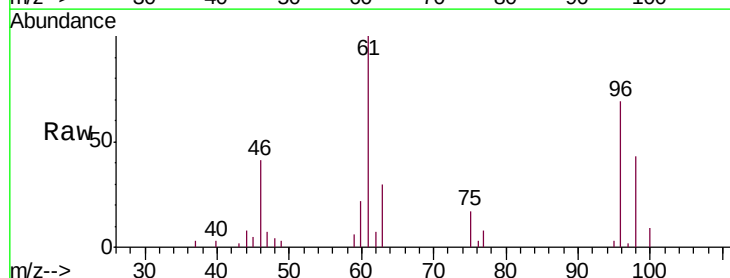


Abundance Ion 63.00 (62.70 to 63.70): VV0
 Ion 65.00 (64.70 to 65.70): VV0
 Ion 83.00 (82.70 to 83.70): VV0

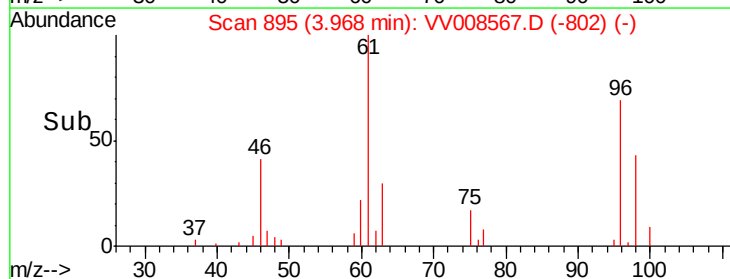
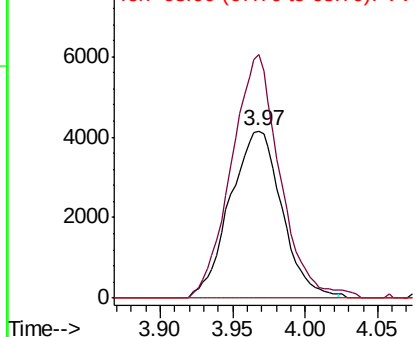


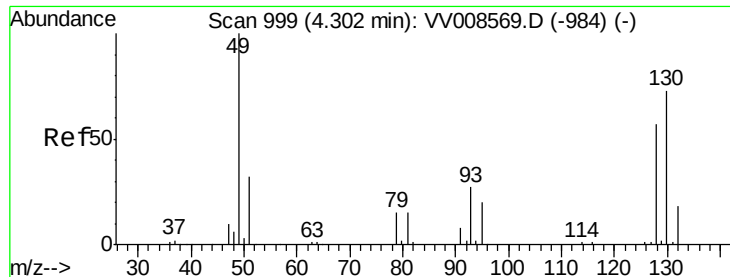
#20
 cis-1,2-Dichloroethene
 Concen: 4.874 ug/L
 RT: 3.97 min Scan# 895
 Delta R.T. 0.00 min
 Lab File: VV008567.D
 Acq: 15 Nov 2018 11:34

Tgt Ion: 96 Resp: 10352
 Ion Ratio Lower Upper
 96 100
 61 145.8 91.3 169.6
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 68.00 (67.70 to 68.70): VV0





#23

Bromochloromethane

Concen: 1.810 ug/L

RT: 4.29 min Scan# 996

Delta R.T. -0.01 min

Lab File: VV008567.D

Acq: 15 Nov 2018 11:34

Instrument :
MSVOA_V
ClientSampleId :
VSTD00568

Tgt Ion:128 Resp: 1808

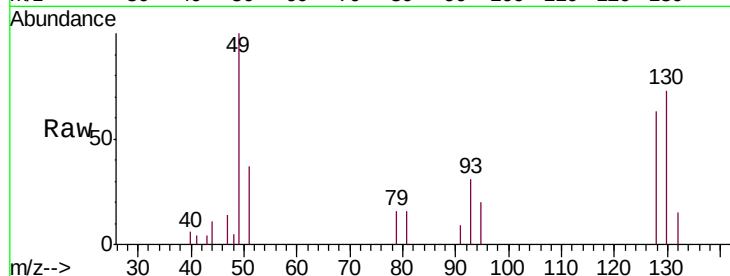
Ion Ratio Lower Upper

128 100

49 158.5 122.8 228.1

130 115.8 89.9 167.0

51 58.8 44.3 66.5

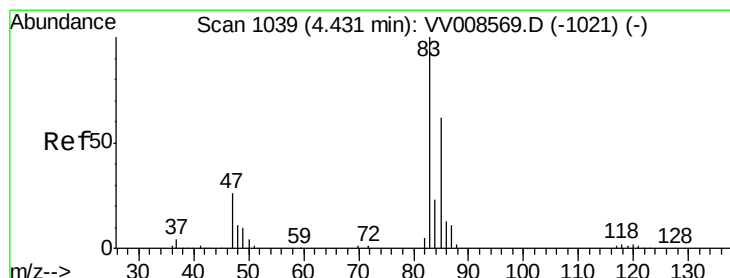
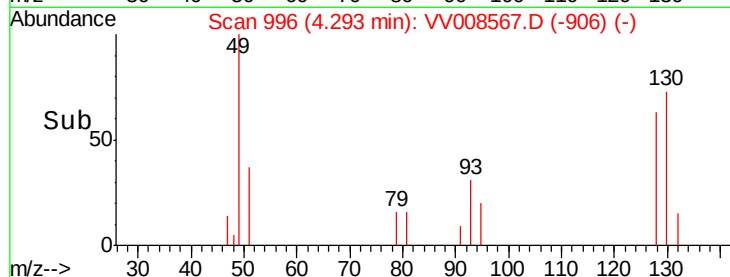
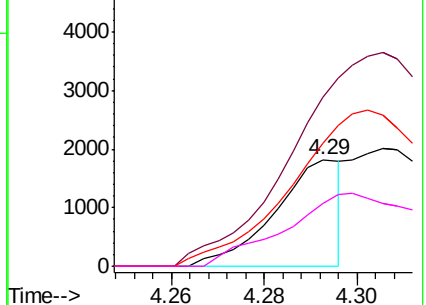


Abundance Ion 128.00 (127.70 to 128.70): VV0

Ion 49.00 (48.70 to 49.70): VV0

Ion 130.00 (129.70 to 130.70): VV0

Ion 51.00 (50.70 to 51.70): VV0



#25

Chloroform

Concen: 6.387 ug/L

RT: 4.43 min Scan# 1039

Delta R.T. 0.00 min

Lab File: VV008567.D

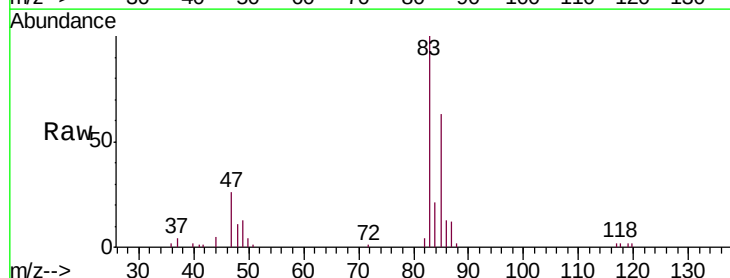
Acq: 15 Nov 2018 11:34

Tgt Ion: 83 Resp: 23706

Ion Ratio Lower Upper

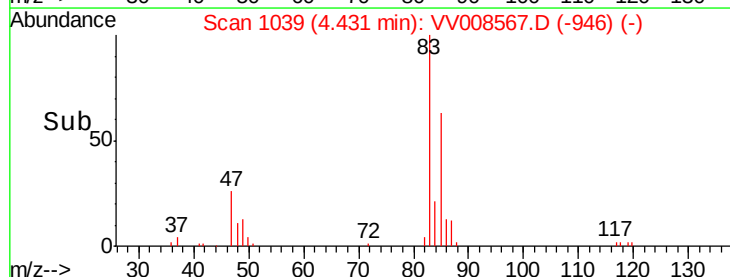
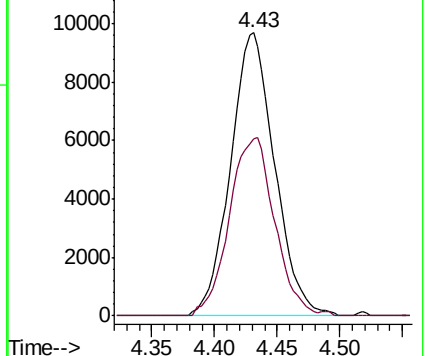
83 100

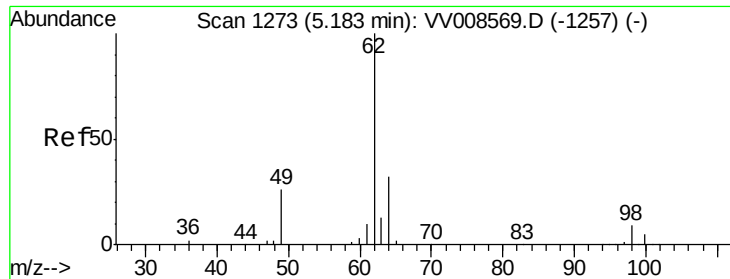
85 62.6 43.8 81.4



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

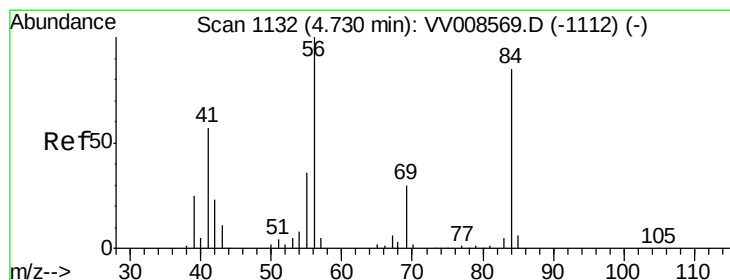
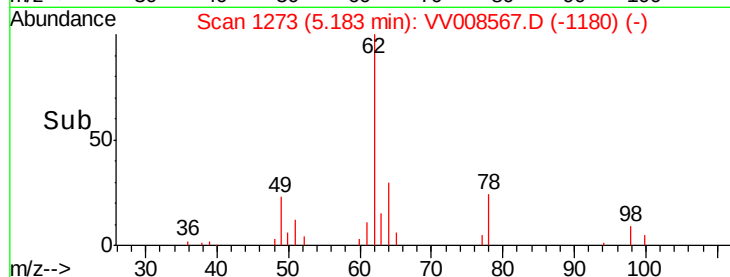
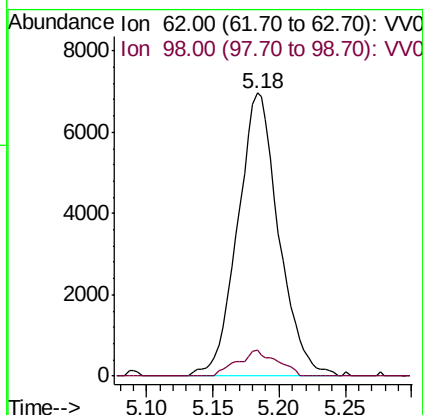
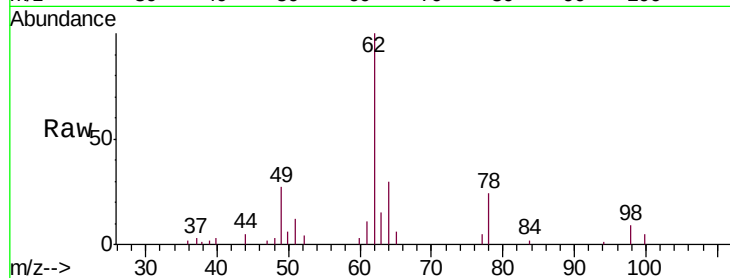




#27
 1,2-Dichloroethane
 Concen: 5.092 ug/L
 RT: 5.18 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: VV008567.D
 Acq: 15 Nov 2018 11:34

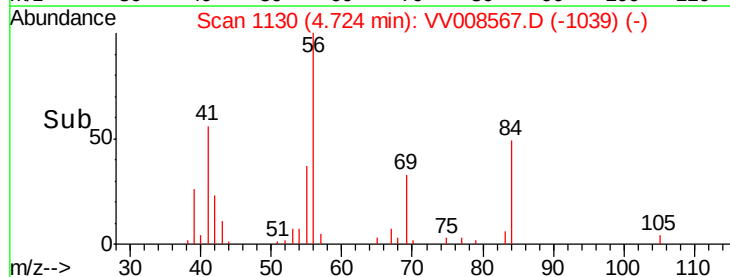
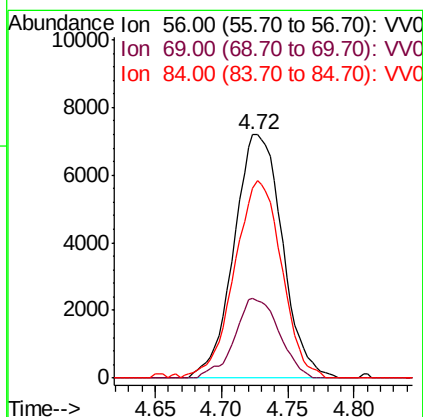
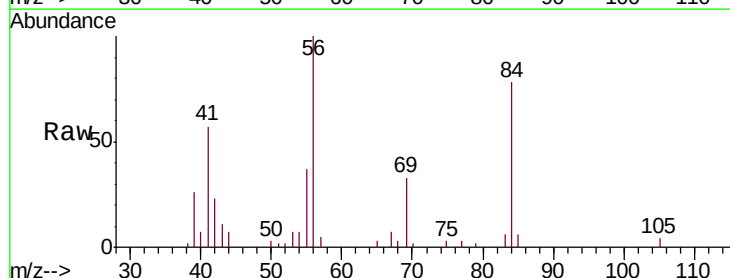
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00568

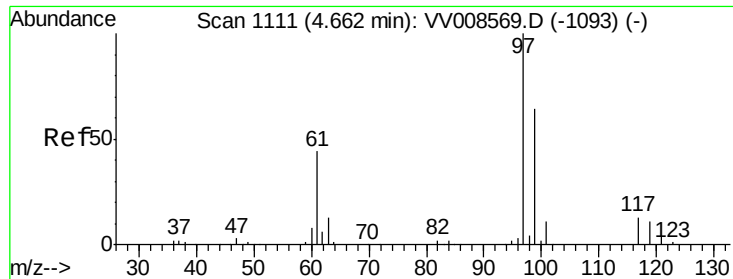
Tgt Ion: 62 Resp: 14983
 Ion Ratio Lower Upper
 62 100
 98 9.0 7.0 10.4



#29
 Cyclohexane
 Concen: 5.525 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. -0.01 min
 Lab File: VV008567.D
 Acq: 15 Nov 2018 11:34

Tgt Ion: 56 Resp: 18280
 Ion Ratio Lower Upper
 56 100
 69 30.2 24.2 36.2
 84 79.1 66.0 99.0

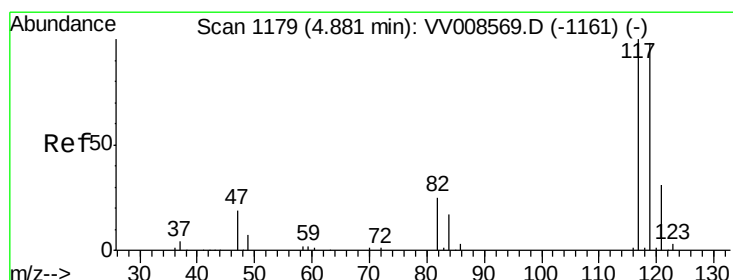
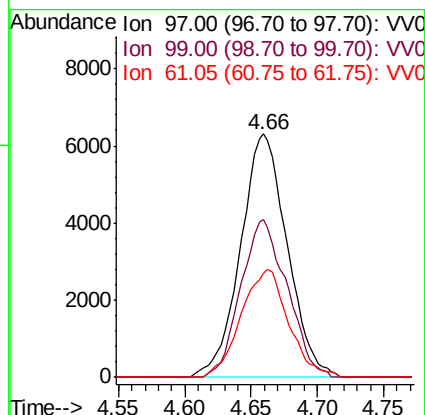
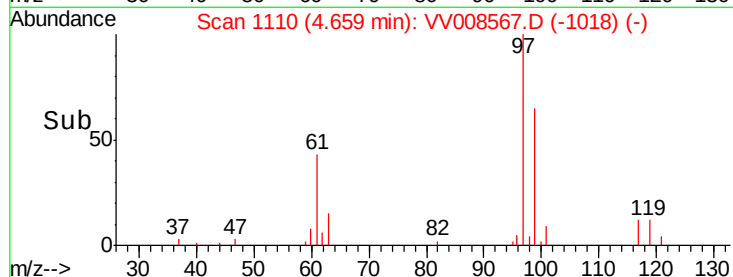
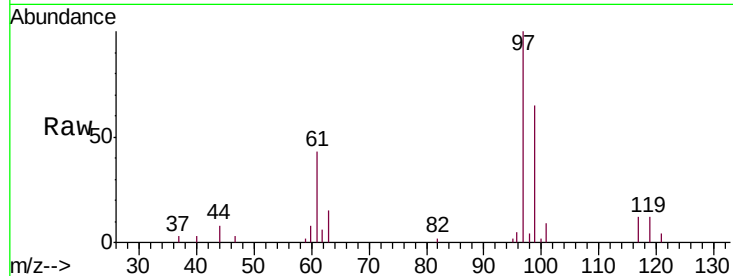




#30
 1,1,1-Trichloroethane
 Concen: 5.014 ug/L
 RT: 4.66 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VV008567.D
 Acq: 15 Nov 2018 11:34

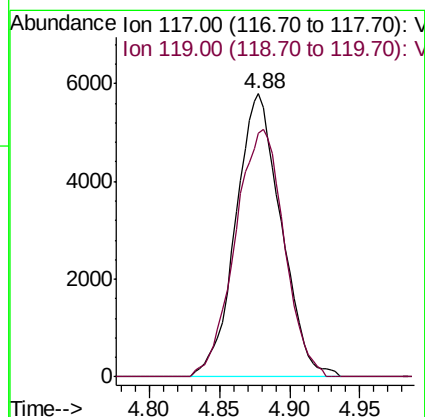
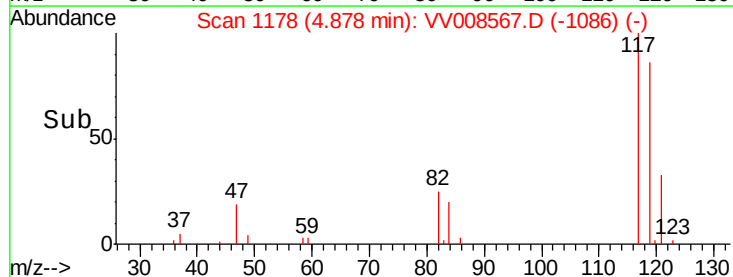
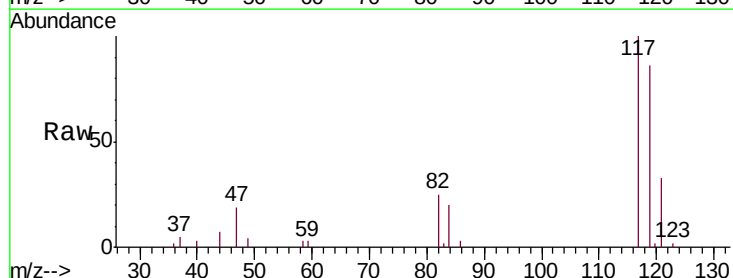
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00568

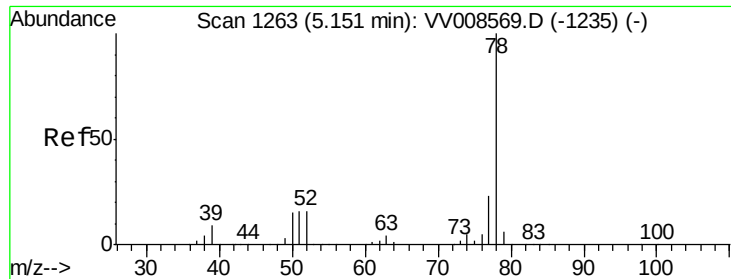
Tgt Ion: 97 Resp: 15425
 Ion Ratio Lower Upper
 97 100
 99 64.2 51.4 77.2
 61 45.1 34.3 51.5



#31
 Carbon tetrachloride
 Concen: 5.044 ug/L
 RT: 4.88 min Scan# 1178
 Delta R.T. -0.00 min
 Lab File: VV008567.D
 Acq: 15 Nov 2018 11:34

Tgt Ion: 117 Resp: 13077
 Ion Ratio Lower Upper
 117 100
 119 94.0 77.4 116.0





#33

Benzene

Concen: 5.221 ug/L

RT: 5.15 min Scan# 1263

Delta R.T. 0.00 min

Lab File: VV008567.D

Acq: 15 Nov 2018 11:34

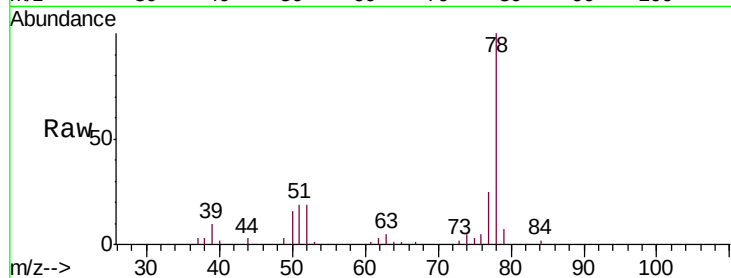
Instrument :

MSVOA_V

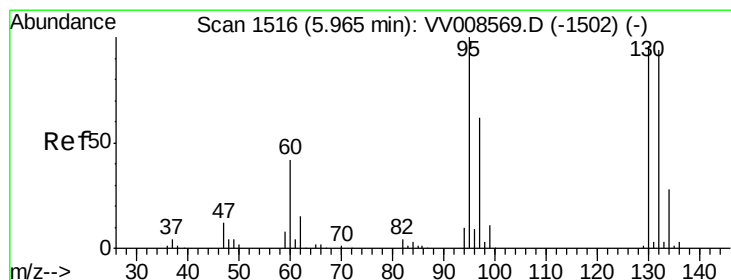
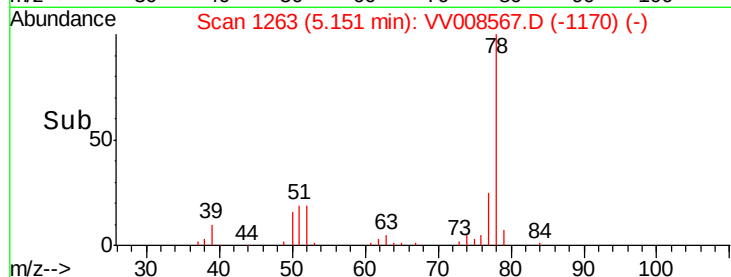
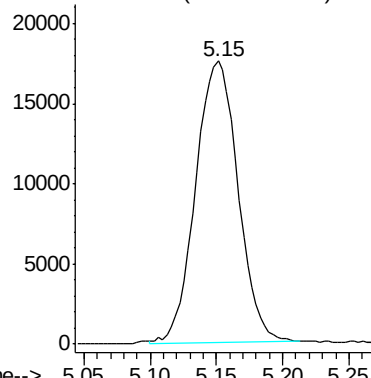
ClientSampleId :

VSTD00568

Tgt Ion: 78 Resp: 39051



Abundance Ion 78.00 (77.70 to 78.70): VV0



#34

Trichloroethene

Concen: 5.612 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. 0.00 min

Lab File: VV008567.D

Acq: 15 Nov 2018 11:34

Tgt Ion: 95 Resp: 10847

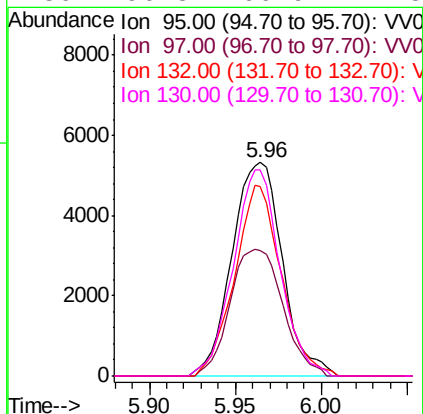
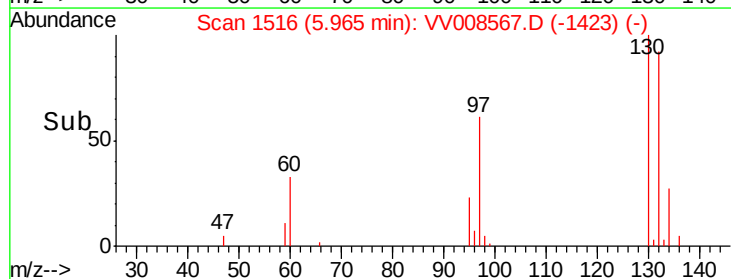
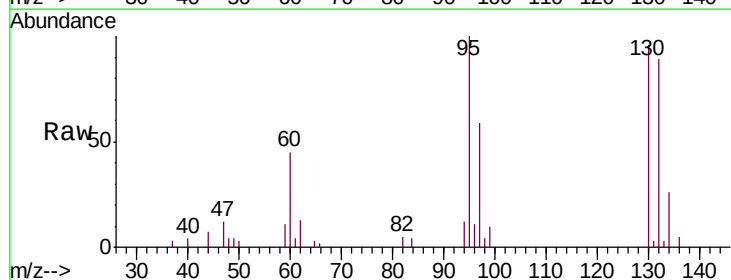
Ion	Ratio	Lower	Upper
95	100		
97	58.9	43.6	81.0
132	89.0	65.9	122.3
130	96.3	66.9	124.3

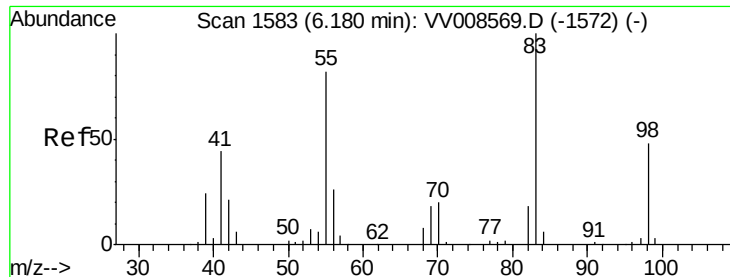
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

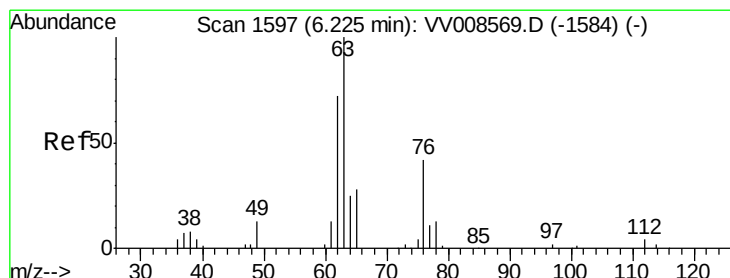
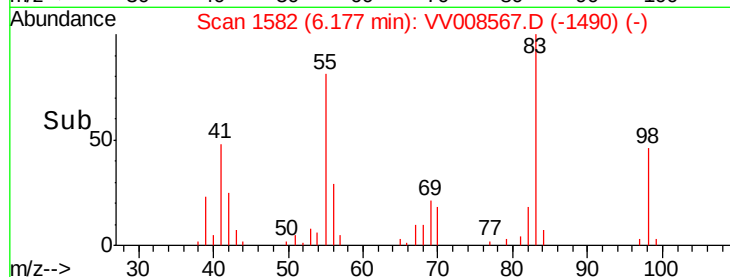
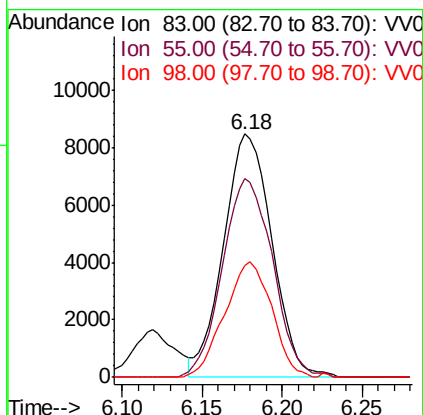
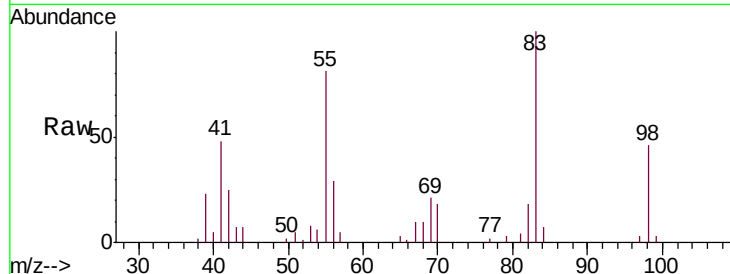




#35
Methylcyclohexane
Concen: 5.496 ug/L
RT: 6.18 min Scan# 1582
Delta R.T. -0.00 min
Lab File: VV008567.D
Acq: 15 Nov 2018 11:34

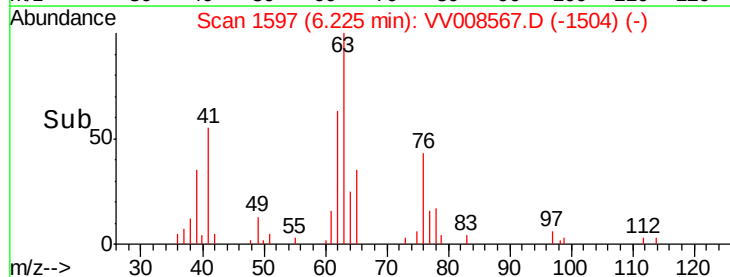
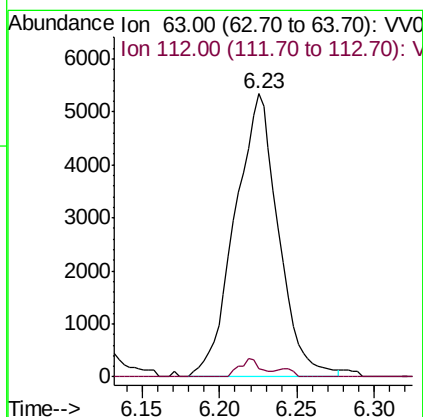
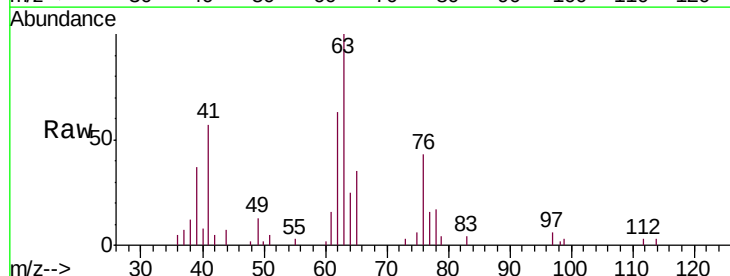
Instrument :
MSVOA_V
ClientSampleId :
VSTD00568

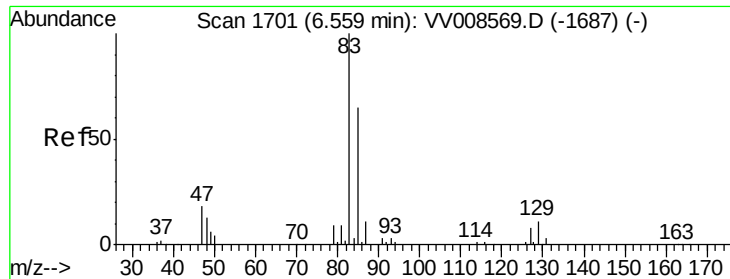
Tgt Ion: 83 Resp: 17608
Ion Ratio Lower Upper
83 100
55 83.9 65.5 98.3
98 46.0 37.9 56.9



#37
1,2-Dichloropropane
Concen: 5.116 ug/L
RT: 6.23 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VV008567.D
Acq: 15 Nov 2018 11:34

Tgt Ion: 63 Resp: 10452
Ion Ratio Lower Upper
63 100
112 3.2 3.1 4.7

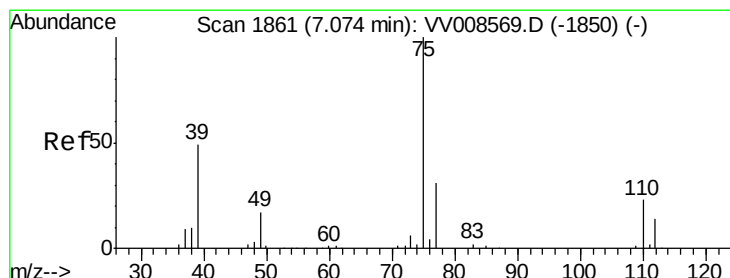
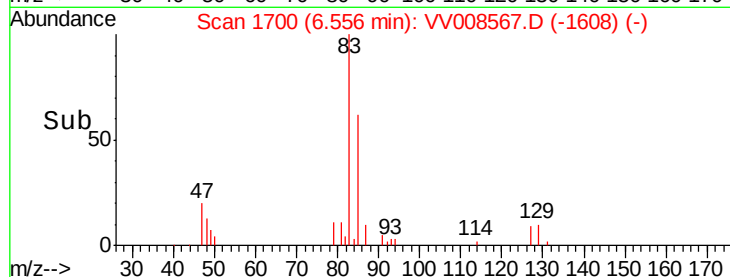
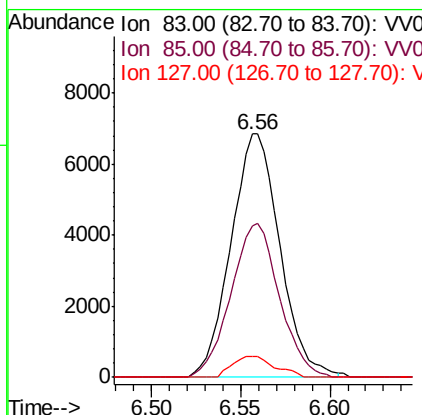
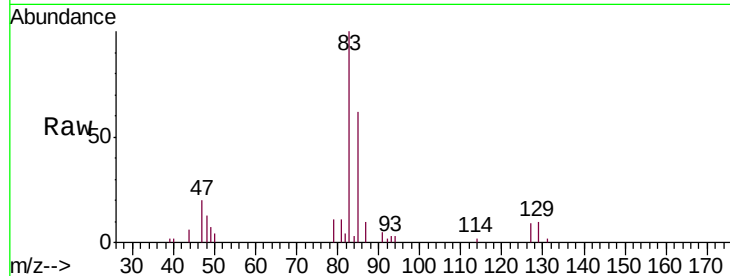




#38
Bromodichloromethane
Concen: 5.114 ug/L
RT: 6.56 min Scan# 1700
Delta R.T. -0.00 min
Lab File: VV008567.D
Acq: 15 Nov 2018 11:34

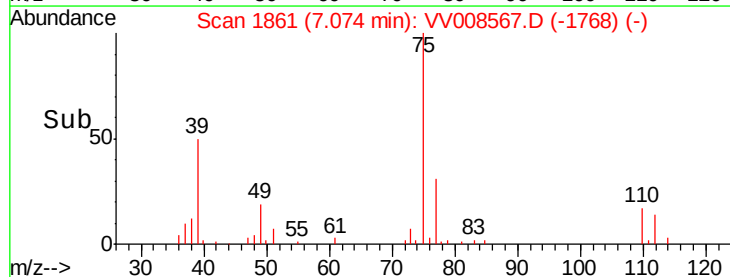
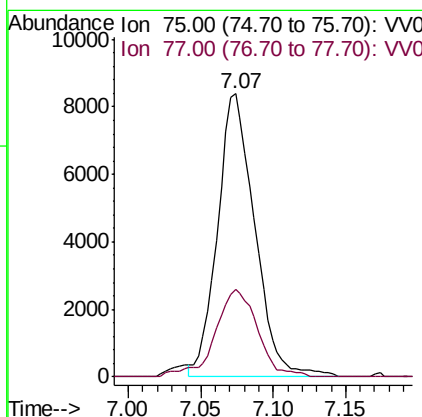
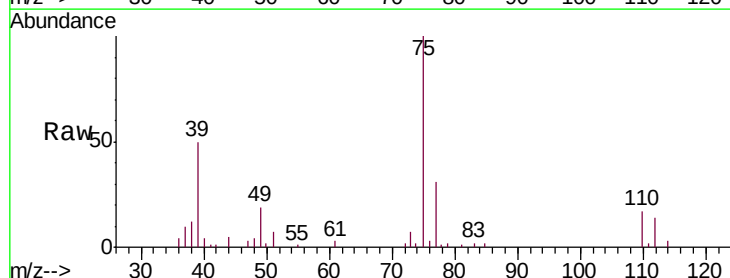
Instrument :
MSVOA_V
ClientSampleId :
VSTD00568

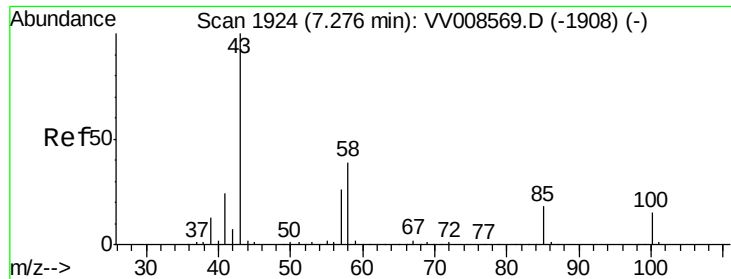
Tgt Ion: 83 Resp: 13109
Ion Ratio Lower Upper
83 100
85 62.1 45.4 84.4
127 8.8 6.6 10.0



#39
cis-1,3-Dichloropropene
Concen: 4.903 ug/L
RT: 7.07 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VV008567.D
Acq: 15 Nov 2018 11:34

Tgt Ion: 75 Resp: 14974
Ion Ratio Lower Upper
75 100
77 32.1 22.1 41.1

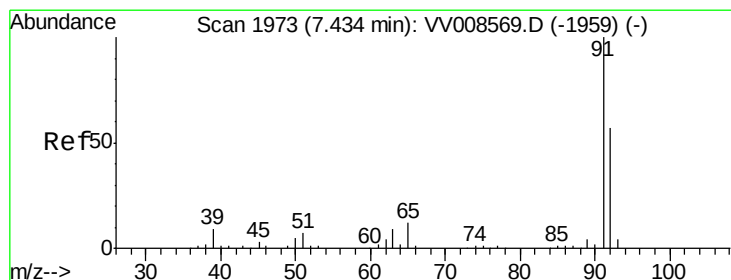
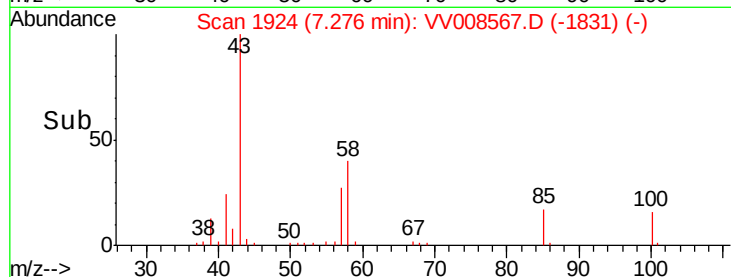
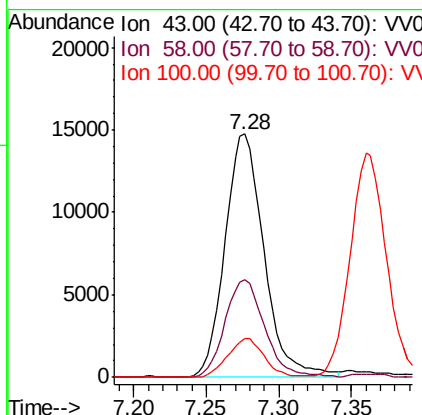
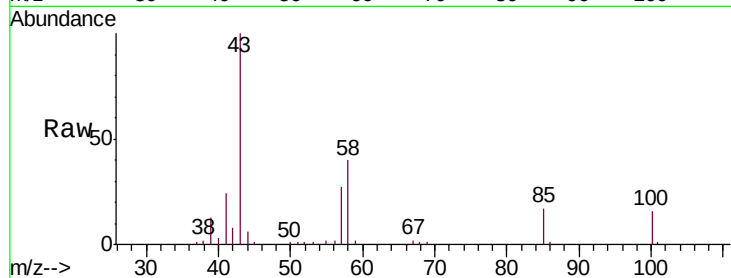




#40
4-Methyl-2-pentanone
Concen: 9.359 ug/L
RT: 7.28 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VV008567.D
Acq: 15 Nov 2018 11:34

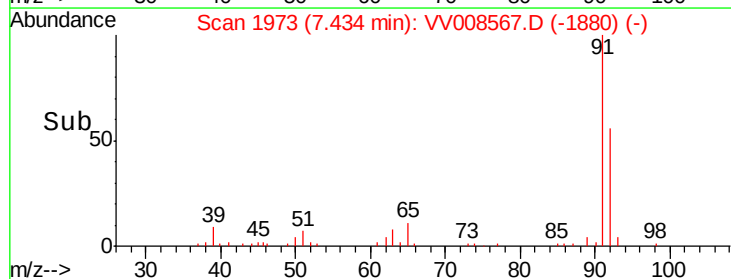
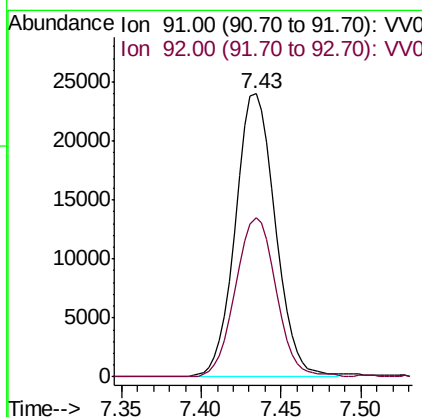
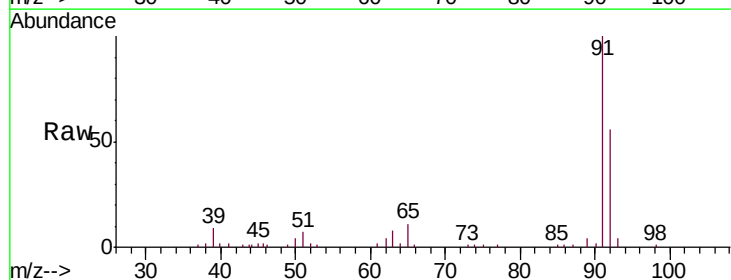
Instrument :
MSVOA_V
ClientSampleId :
VSTD00568

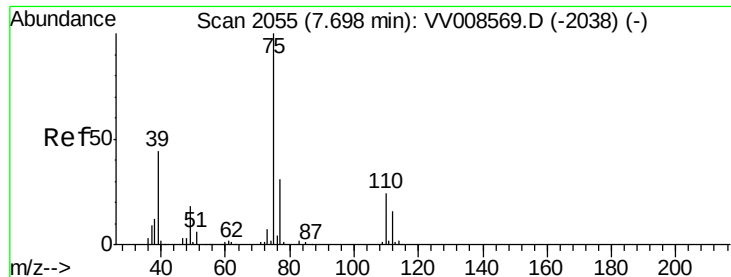
Tgt Ion: 43 Resp: 27622
Ion Ratio Lower Upper
43 100
58 40.7 30.9 46.3
100 14.7 11.5 17.3



#42
Toluene
Concen: 5.203 ug/L
RT: 7.43 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VV008567.D
Acq: 15 Nov 2018 11:34

Tgt Ion: 91 Resp: 40861
Ion Ratio Lower Upper
91 100
92 56.3 40.0 74.2





#44

trans-1,3-Dichloropropene

Concen: 4.867 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV008567.D

Acq: 15 Nov 2018 11:34

Instrument :

MSVOA_V

ClientSampleId :

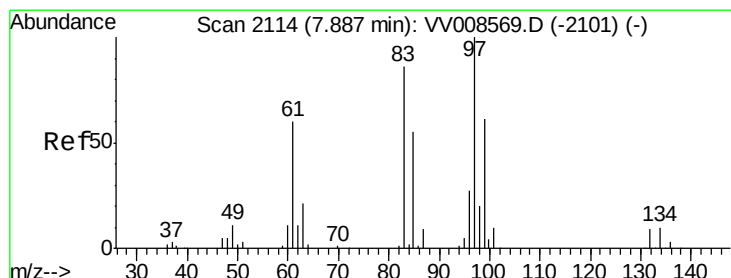
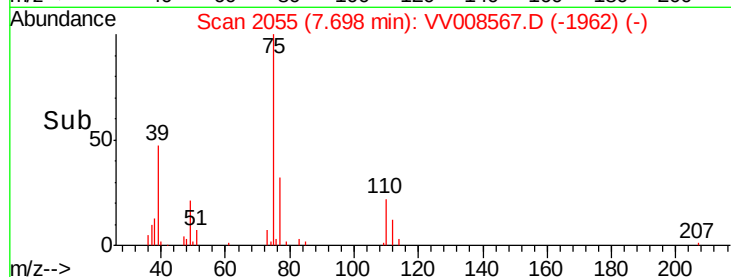
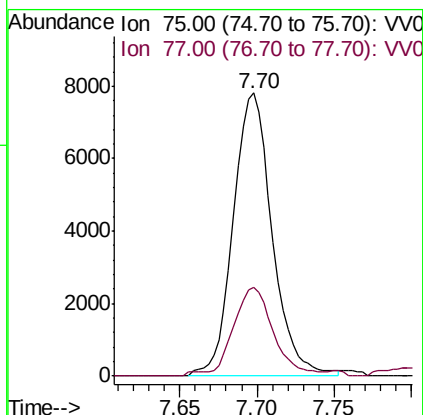
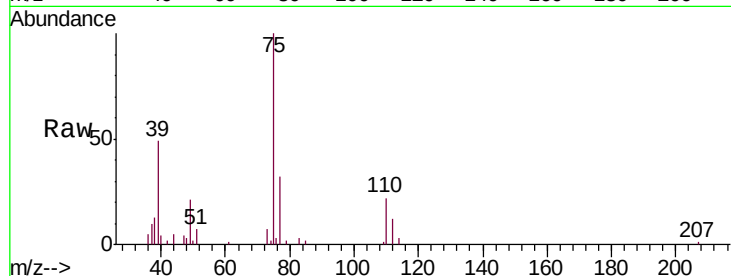
VSTD00568

Tgt Ion: 75 Resp: 13680

Ion Ratio Lower Upper

75 100

77 31.6 21.8 40.6



#45

1,1,2-Trichloroethane

Concen: 5.188 ug/L

RT: 7.88 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VV008567.D

Acq: 15 Nov 2018 11:34

Tgt Ion: 97 Resp: 9524

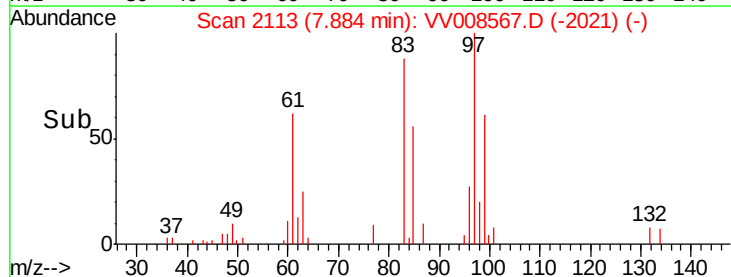
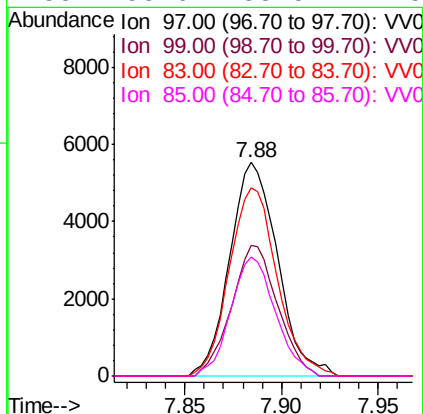
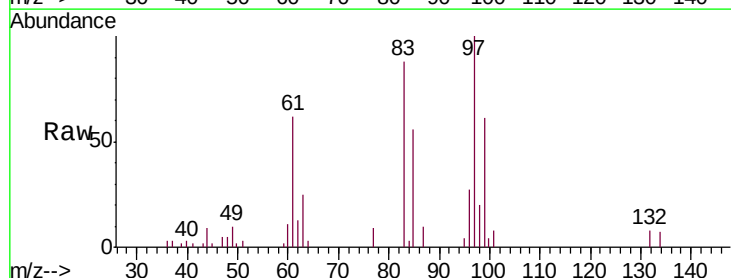
Ion Ratio Lower Upper

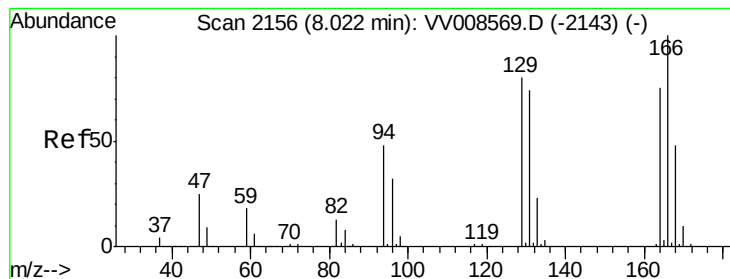
97 100

99 61.0 42.9 79.7

83 88.1 60.4 112.2

85 55.6 38.5 71.5





#46

Tetrachloroethene

Concen: 5.275 ug/L

RT: 8.02 min Scan# 2156

Delta R.T. 0.00 min

Lab File: VV008567.D

Acq: 15 Nov 2018 11:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD00568

Tgt Ion:164 Resp: 7294

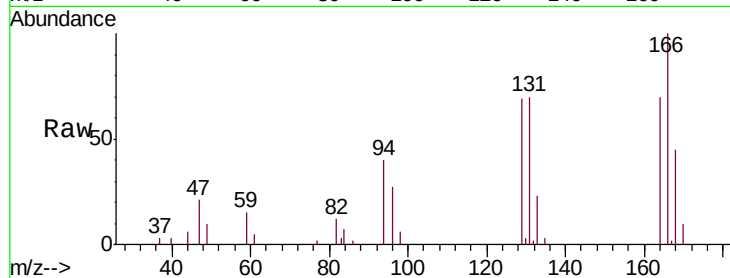
Ion Ratio Lower Upper

164 100

129 99.1 74.3 138.1

131 99.6 68.9 127.9

166 143.0 93.2 173.0

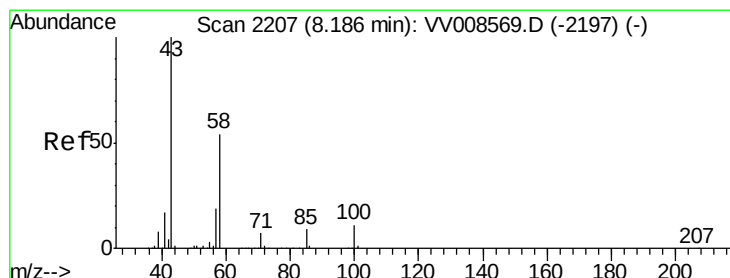
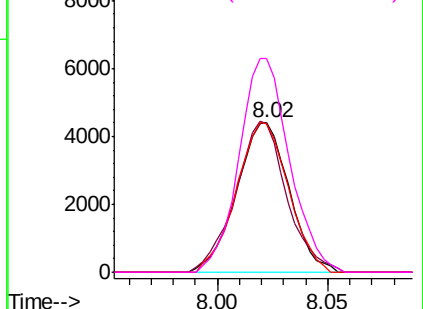
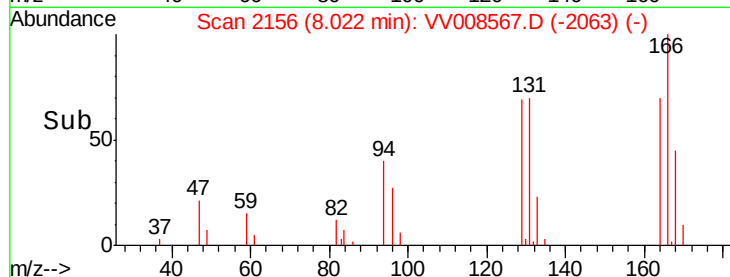


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#48

2-Hexanone

Concen: 9.477 ug/L

RT: 8.19 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VV008567.D

Acq: 15 Nov 2018 11:34

Tgt Ion: 43 Resp: 21273

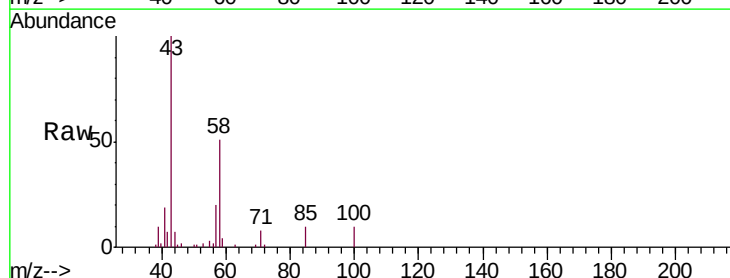
Ion Ratio Lower Upper

43 100

58 50.7 43.8 65.6

57 20.7 14.6 22.0

100 10.5 8.7 13.1

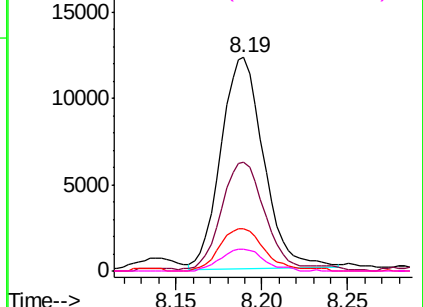
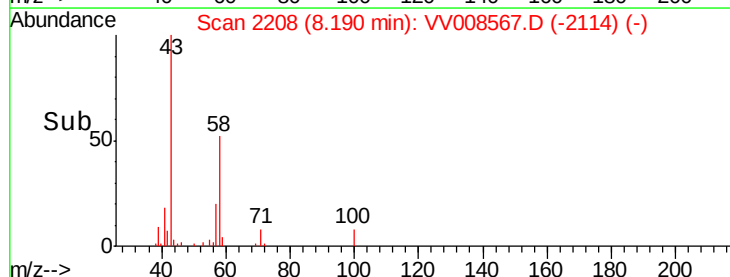


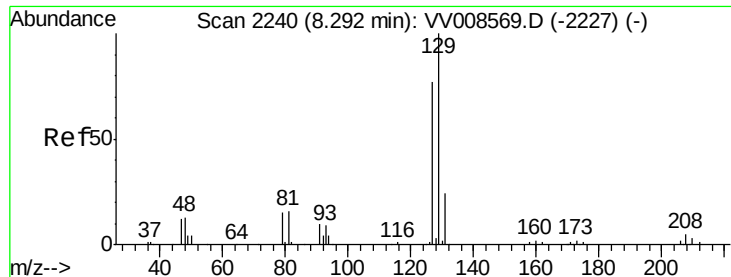
Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0





#49

Dibromochloromethane

Concen: 4.780 ug/L

RT: 8.29 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VV008567.D

Acq: 15 Nov 2018 11:34

Instrument :

MSVOA_V

ClientSampleId :

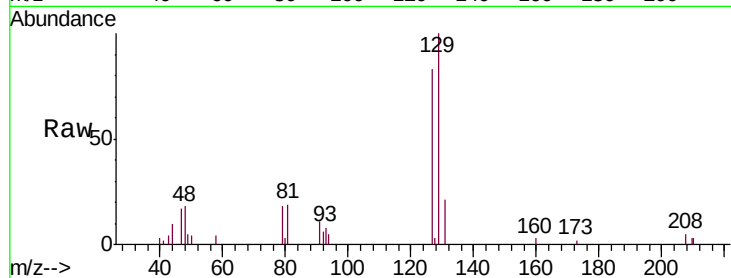
VSTD00568

Tgt Ion:129 Resp: 9107

Ion Ratio Lower Upper

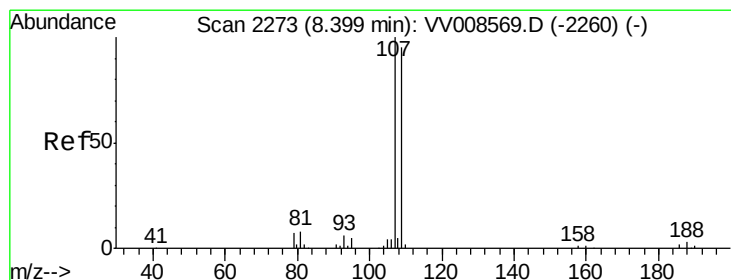
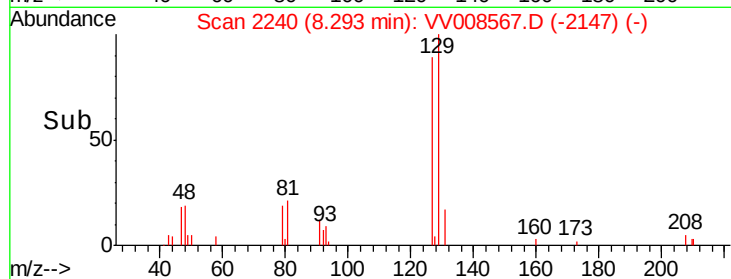
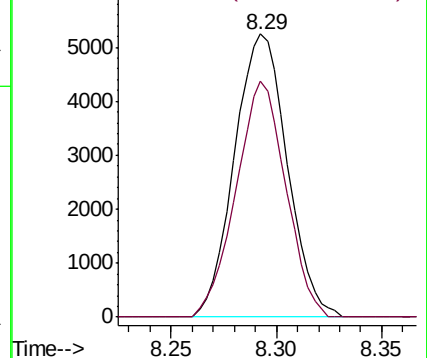
129 100

127 83.5 54.1 100.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#50

1,2-Dibromoethane

Concen: 4.883 ug/L

RT: 8.40 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VV008567.D

Acq: 15 Nov 2018 11:34

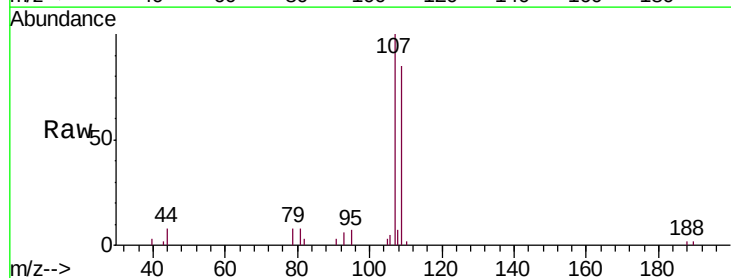
Tgt Ion:107 Resp: 9371

Ion Ratio Lower Upper

107 100

109 85.2 66.2 123.0

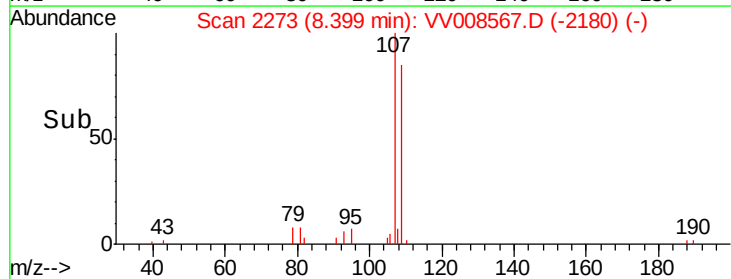
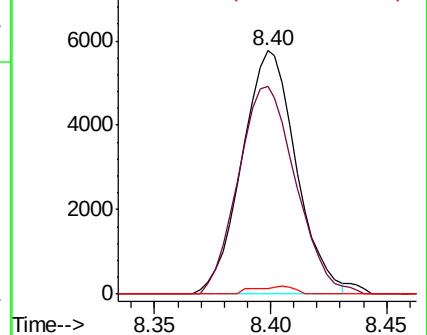
188 2.3 2.6 4.0#

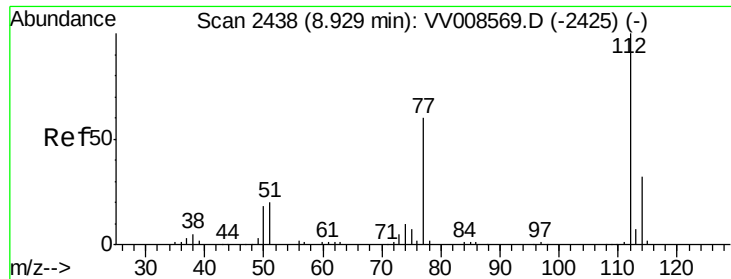


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V

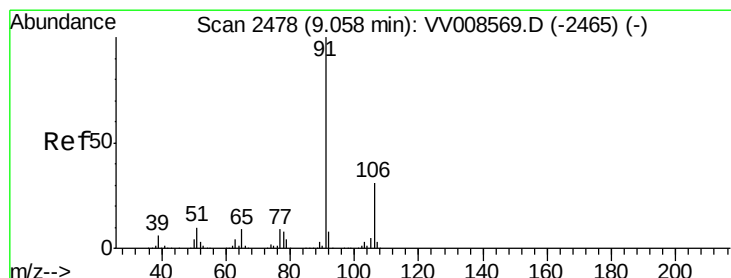
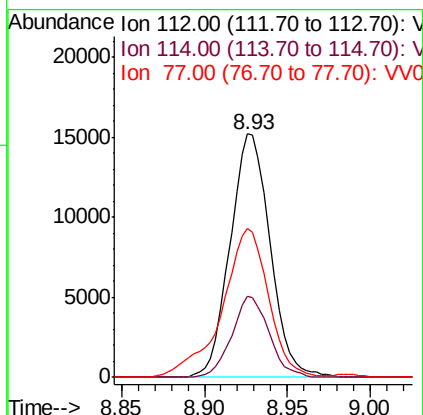
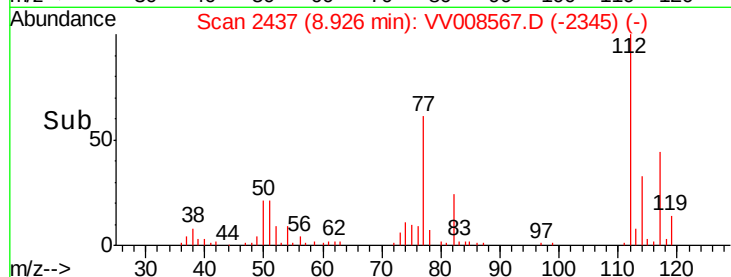
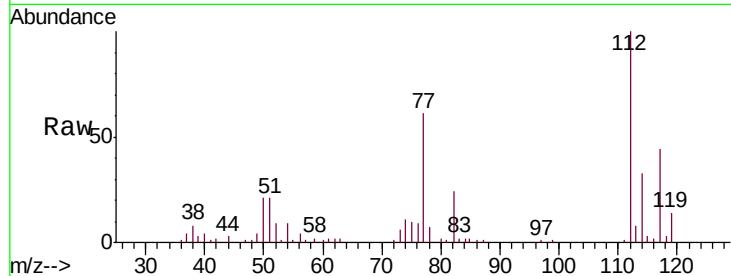




#51
Chlorobenzene
Concen: 5.178 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. -0.00 min
Lab File: VV008567.D
Acq: 15 Nov 2018 11:34

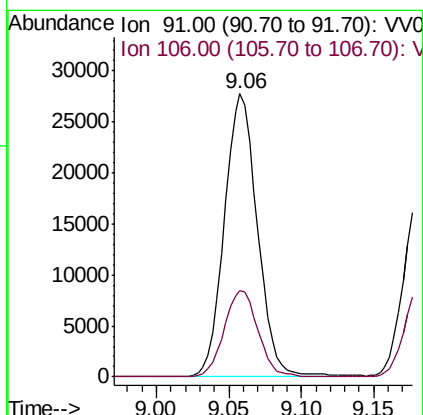
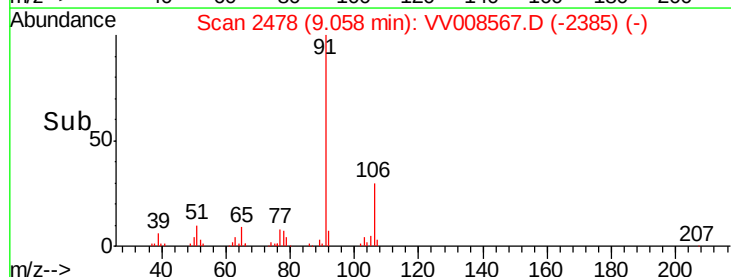
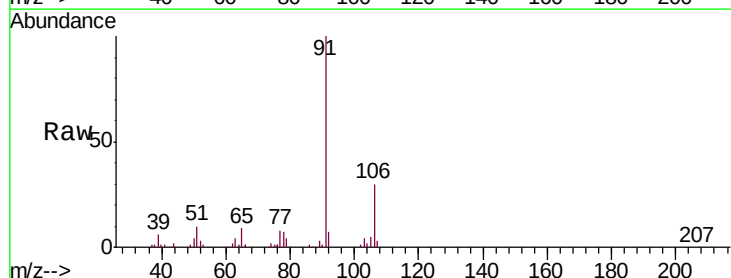
Instrument :
MSVOA_V
ClientSampleId :
VSTD00568

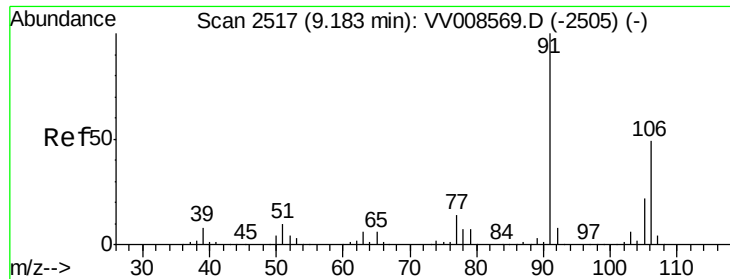
Tgt Ion: 112 Resp: 25601
Ion Ratio Lower Upper
112 100
114 33.3 22.4 41.6
77 61.0 48.6 72.8



#52
Ethylbenzene
Concen: 5.040 ug/L
RT: 9.06 min Scan# 2478
Delta R.T. 0.00 min
Lab File: VV008567.D
Acq: 15 Nov 2018 11:34

Tgt Ion: 91 Resp: 43889
Ion Ratio Lower Upper
91 100
106 30.3 21.5 39.9

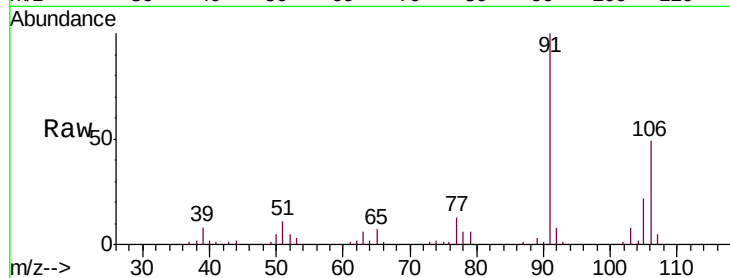




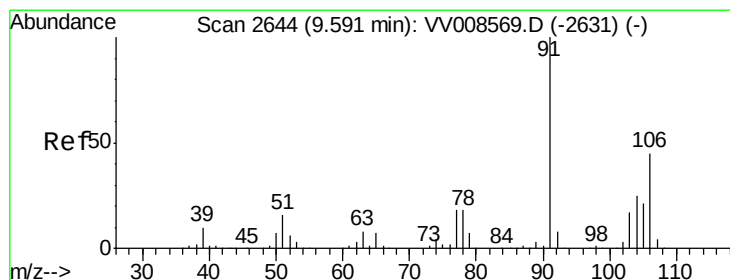
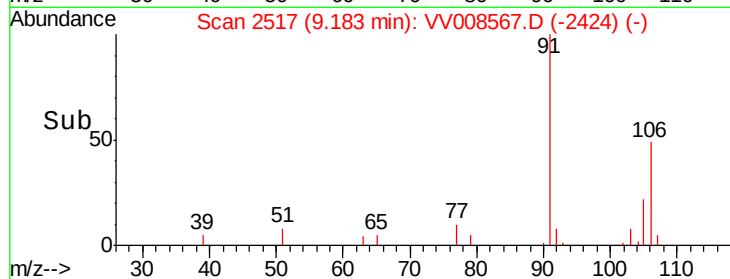
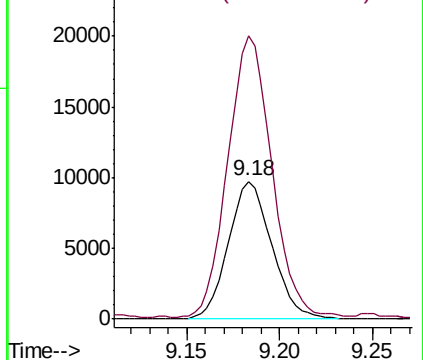
#53
m,p-Xylene
Concen: 4.984 ug/L
RT: 9.18 min Scan# 2517
Delta R.T. 0.00 min
Lab File: VV008567.D
Acq: 15 Nov 2018 11:34

Instrument :
MSVOA_V
ClientSampleId :
VSTD00568

Tgt Ion:106 Resp: 15880
Ion Ratio Lower Upper
106 100
91 205.9 142.5 264.7

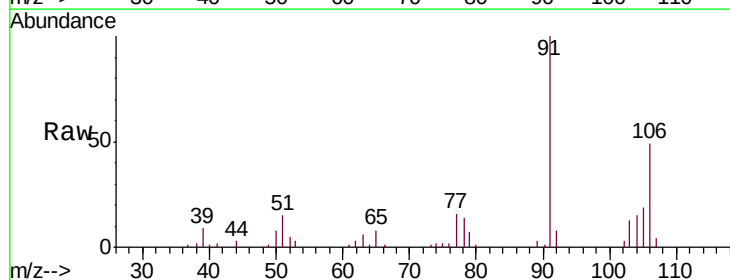


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

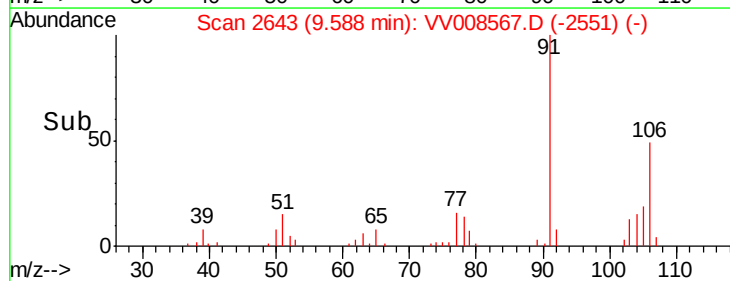
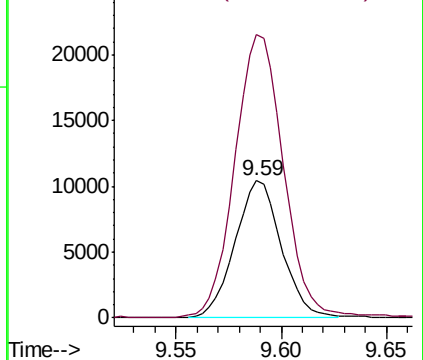


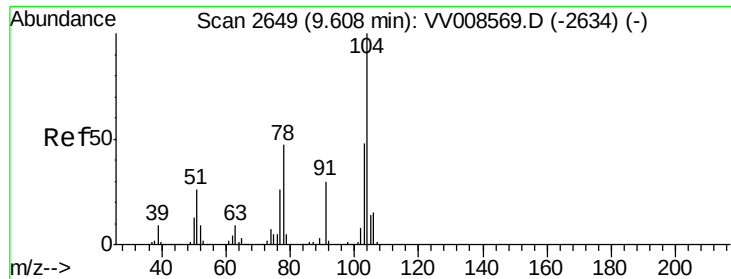
#54
o-xylene
Concen: 4.983 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. -0.00 min
Lab File: VV008567.D
Acq: 15 Nov 2018 11:34

Tgt Ion:106 Resp: 15922
Ion Ratio Lower Upper
106 100
91 206.0 154.6 287.2



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

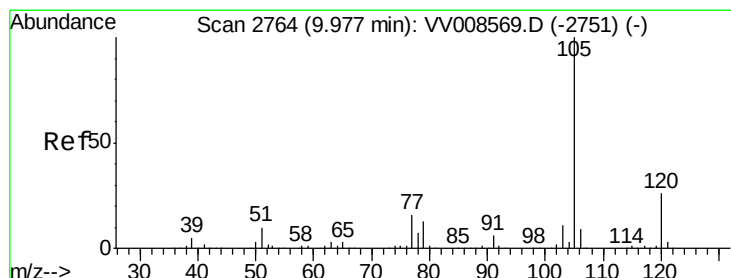
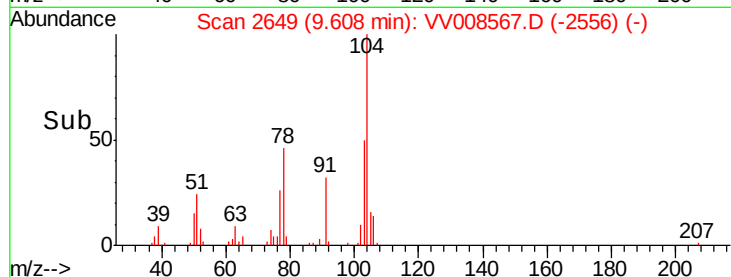
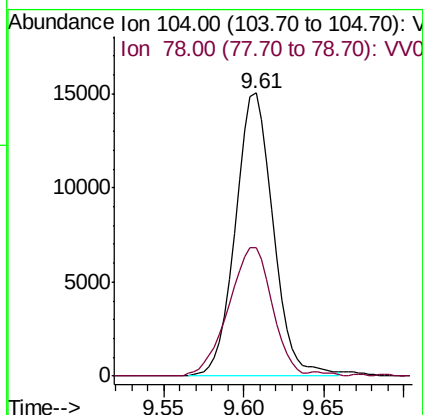
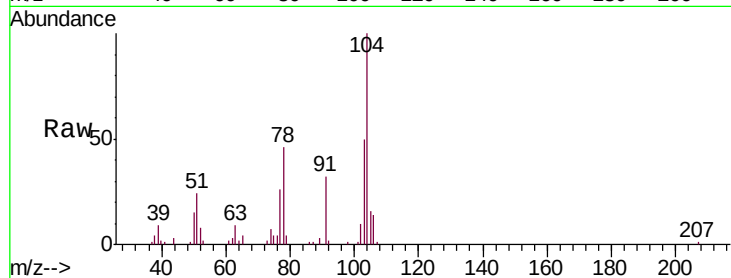




#55
Styrene
Concen: 4.640 ug/L
RT: 9.61 min Scan# 2649
Delta R.T. 0.00 min
Lab File: VV008567.D
Acq: 15 Nov 2018 11:34

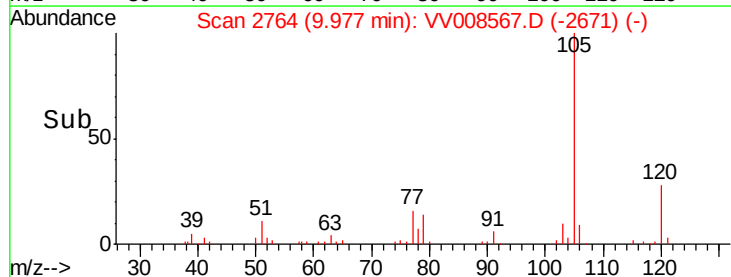
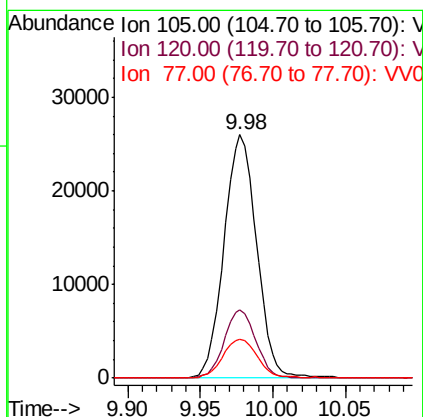
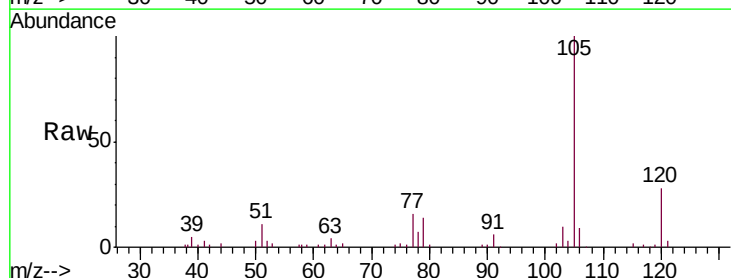
Instrument :
MSVOA_V
ClientSampleId :
VSTD00568

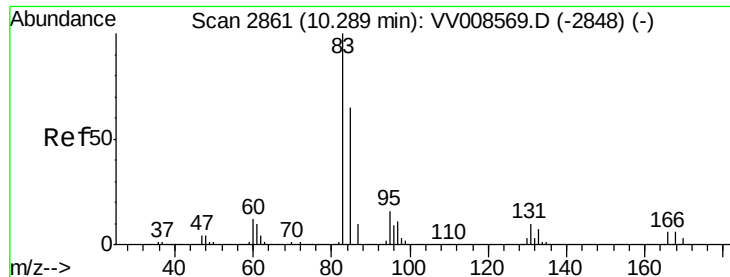
Tgt Ion:104 Resp: 24179
Ion Ratio Lower Upper
104 100
78 45.6 32.8 60.8



#56
Isopropylbenzene
Concen: 4.865 ug/L
RT: 9.98 min Scan# 2764
Delta R.T. 0.00 min
Lab File: VV008567.D
Acq: 15 Nov 2018 11:34

Tgt Ion:105 Resp: 40625
Ion Ratio Lower Upper
105 100
120 26.8 20.8 31.2
77 17.0 12.9 19.3

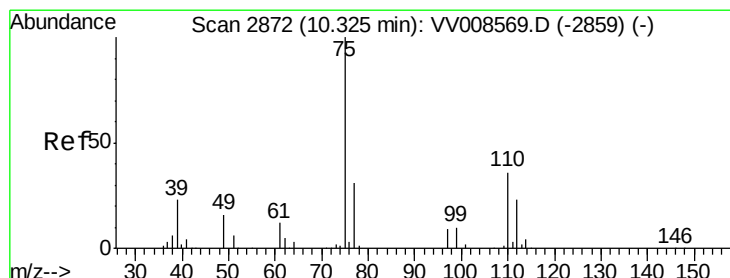
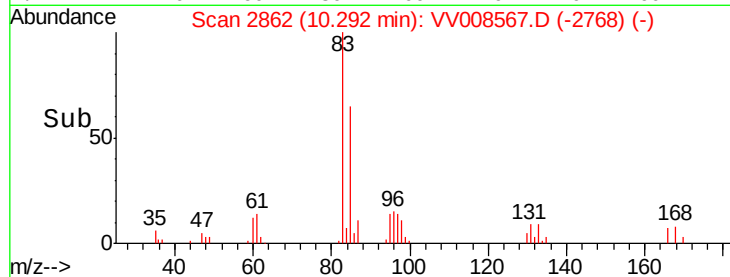
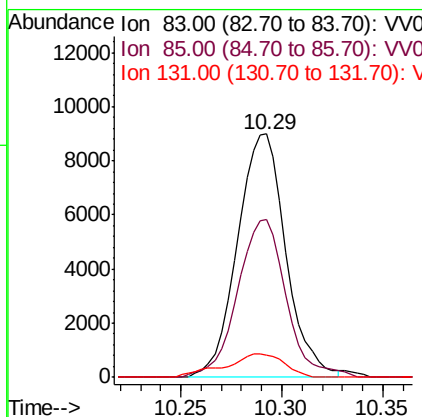
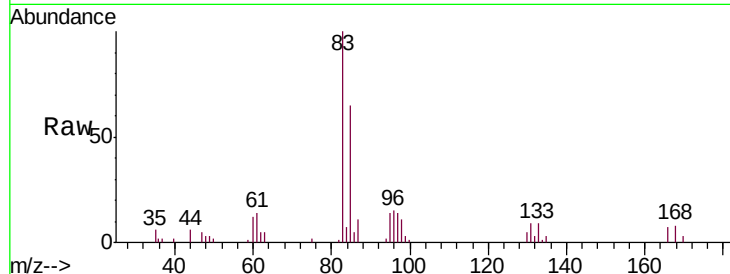




#58
 1,1,2,2-Tetrachloroethane
 Concen: 4.998 ug/L
 RT: 10.29 min Scan# 2862
 Delta R.T. 0.00 min
 Lab File: VV008567.D
 Acq: 15 Nov 2018 11:34

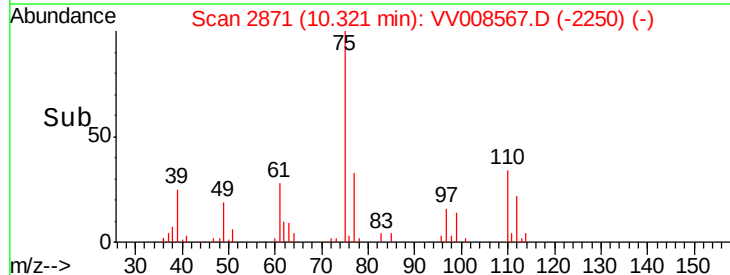
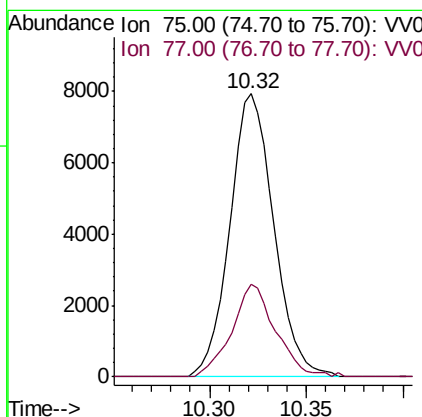
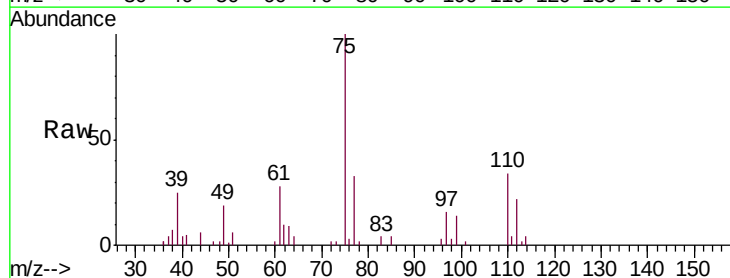
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00568

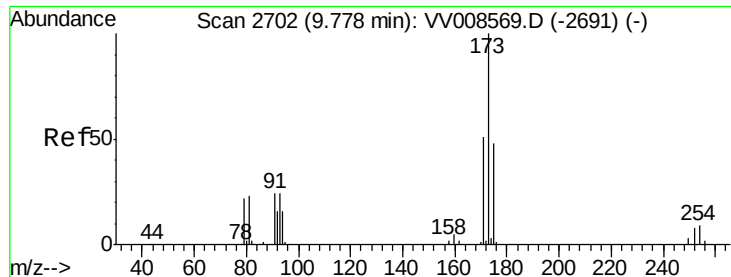
Tgt Ion: 83 Resp: 15106
 Ion Ratio Lower Upper
 83 100
 85 64.8 45.8 85.0
 131 9.1 8.2 12.4



#59
 1,2,3-Trichloropropane
 Concen: 4.928 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VV008567.D
 Acq: 15 Nov 2018 11:34

Tgt Ion: 75 Resp: 12547
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.4 38.2





#61

Bromoform

Concen: 4.927 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VV008567.D

Acq: 15 Nov 2018 11:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD00568

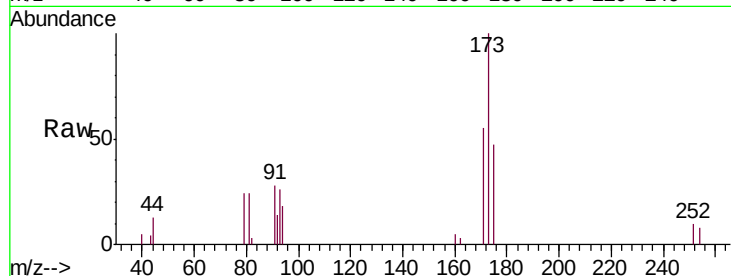
Tgt Ion:173 Resp: 5826

Ion Ratio Lower Upper

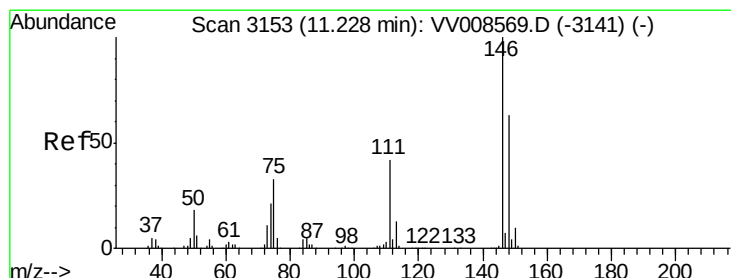
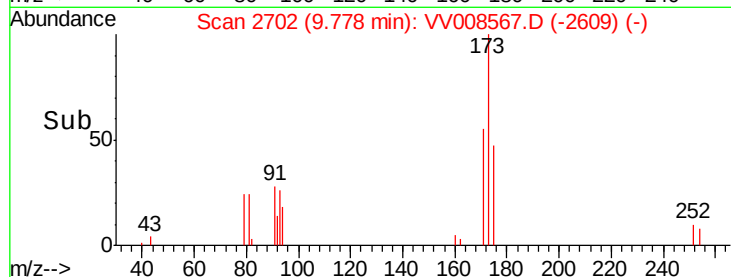
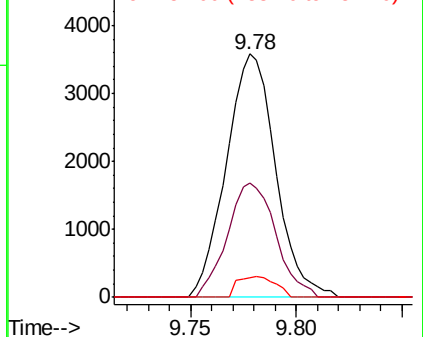
173 100

175 46.0 38.2 57.4

254 4.8 7.1 10.7#



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#62

1,3-Dichlorobenzene

Concen: 5.138 ug/L

RT: 11.23 min Scan# 3154

Delta R.T. 0.00 min

Lab File: VV008567.D

Acq: 15 Nov 2018 11:34

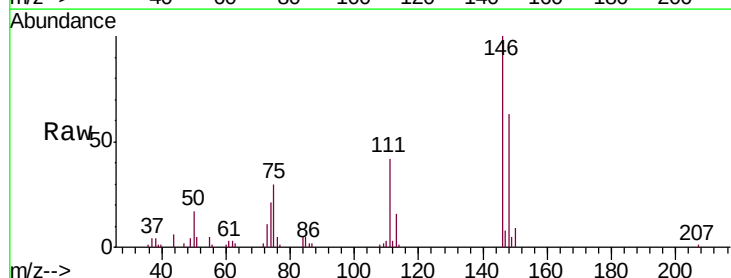
Tgt Ion:146 Resp: 16720

Ion Ratio Lower Upper

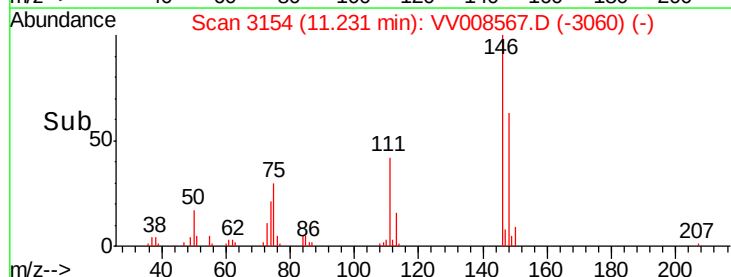
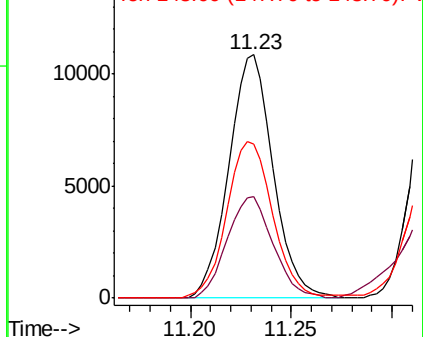
146 100

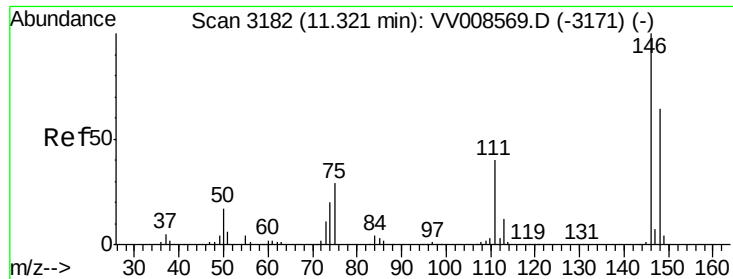
111 41.5 29.5 54.9

148 63.1 44.4 82.4



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





#63

1,4-Dichlorobenzene

Concen: 5.297 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VV008567.D

Acq: 15 Nov 2018 11:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD00568

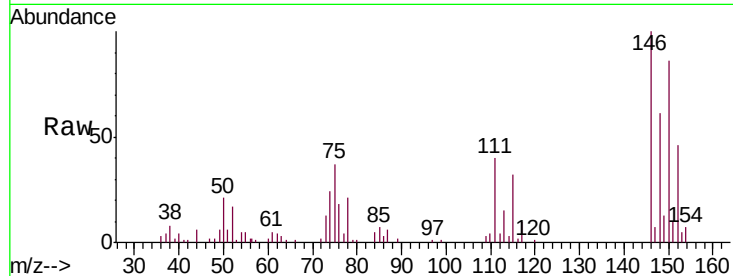
Tgt Ion:146 Resp: 17104

Ion Ratio Lower Upper

146 100

111 39.7 28.2 52.4

148 60.6 44.7 82.9

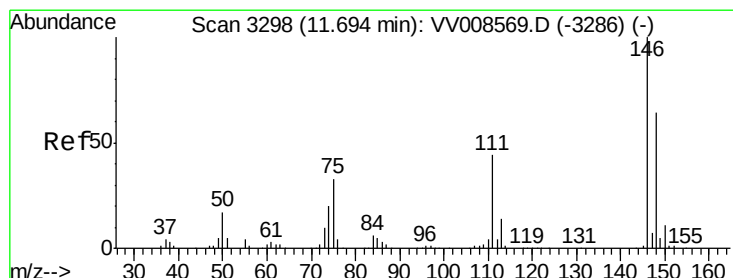
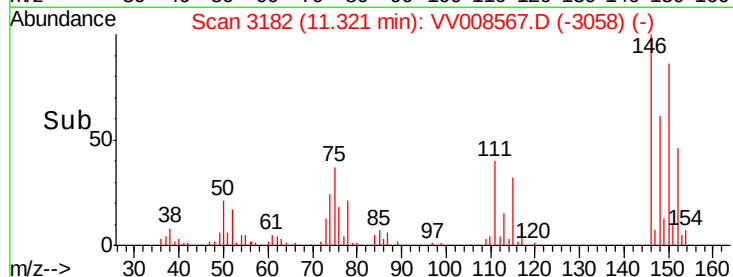
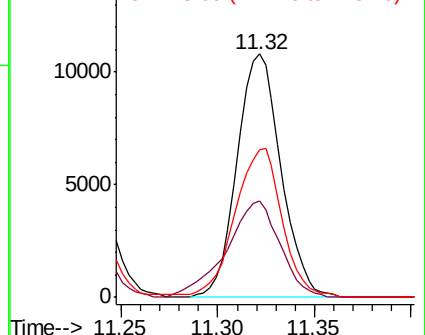


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,2-Dichlorobenzene

Concen: 5.273 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VV008567.D

Acq: 15 Nov 2018 11:34

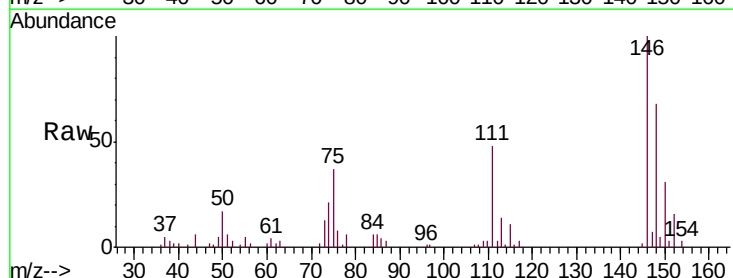
Tgt Ion:146 Resp: 17419

Ion Ratio Lower Upper

146 100

111 47.5 35.8 53.6

148 67.8 51.1 76.7

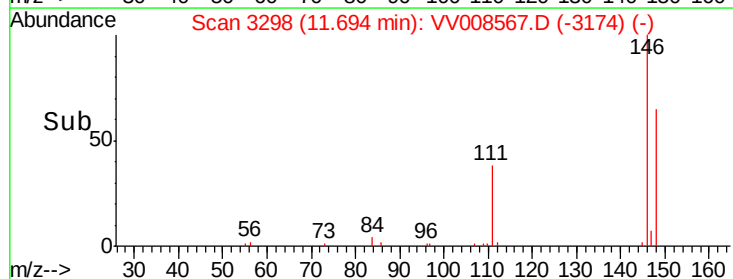
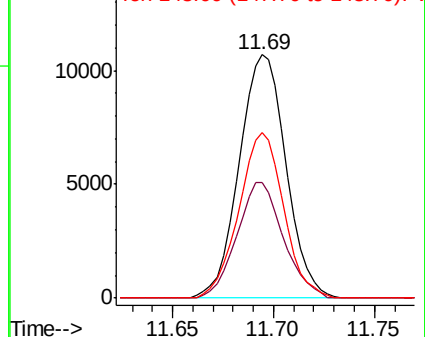


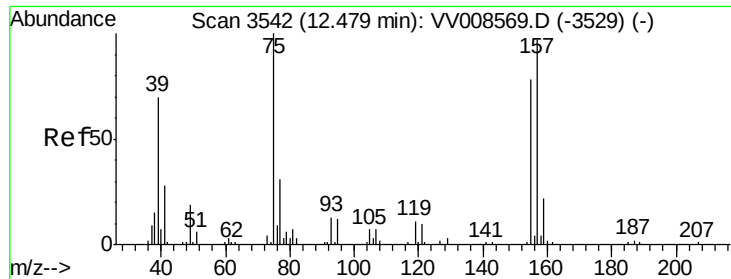
Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

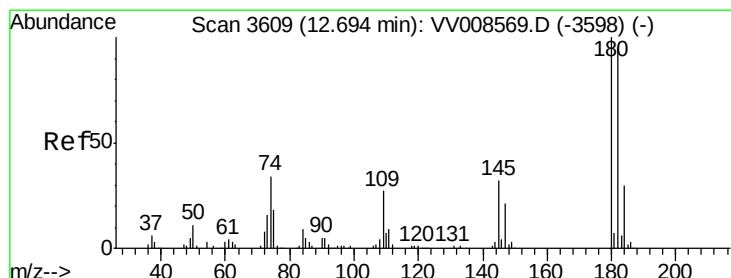
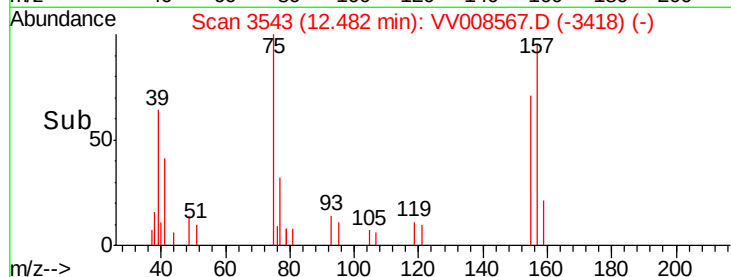
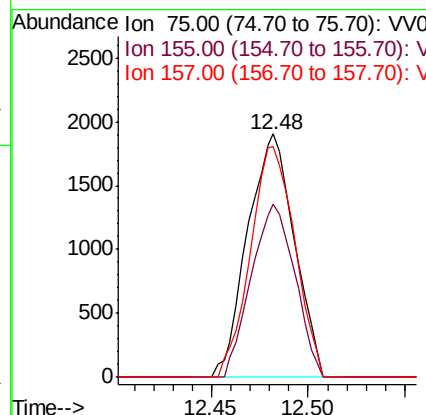
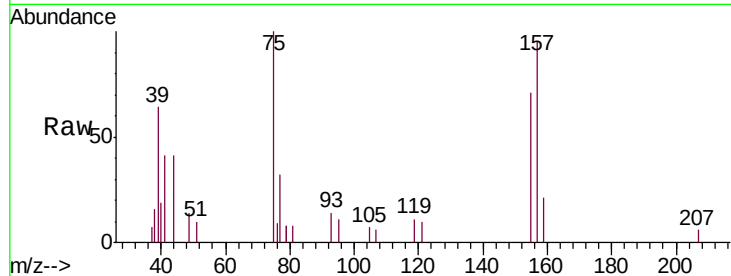




#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.263 ug/L
 RT: 12.48 min Scan# 3543
 Delta R.T. 0.00 min
 Lab File: VV008567.D
 Acq: 15 Nov 2018 11:34

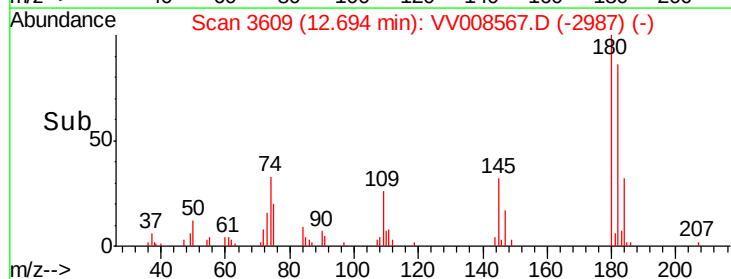
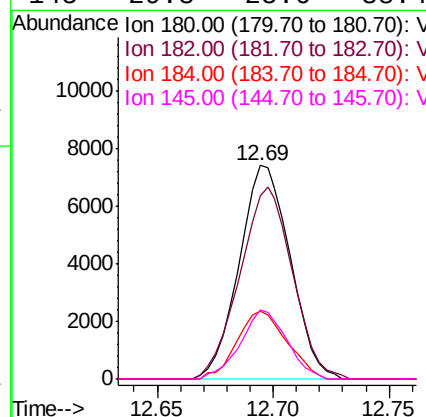
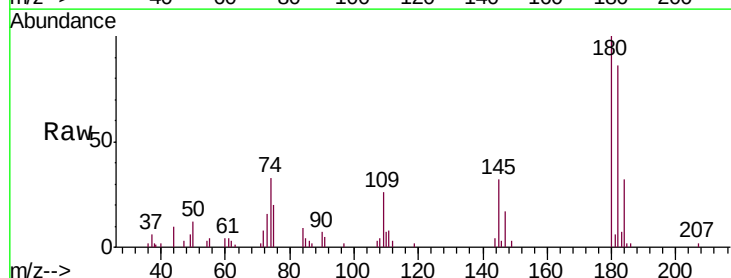
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00568

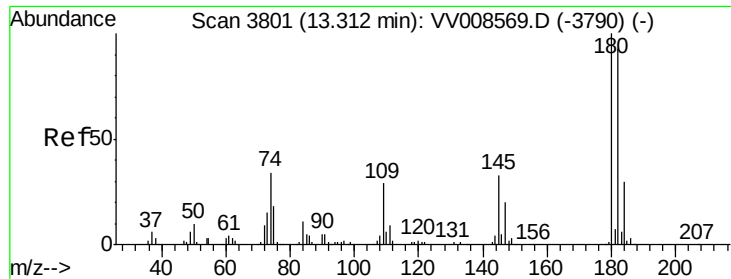
Tgt Ion: 75 Resp: 3183
 Ion Ratio Lower Upper
 75 100
 155 71.2 62.7 94.1
 157 95.1 77.4 116.0



#67
 1,3,5-Trichlorobenzene
 Concen: 5.304 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV008567.D
 Acq: 15 Nov 2018 11:34

Tgt Ion: 180 Resp: 11366
 Ion Ratio Lower Upper
 180 100
 182 92.7 75.7 113.5
 184 30.9 24.2 36.4
 145 29.3 25.6 38.4

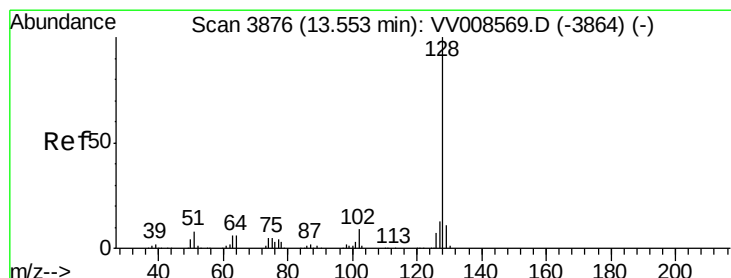
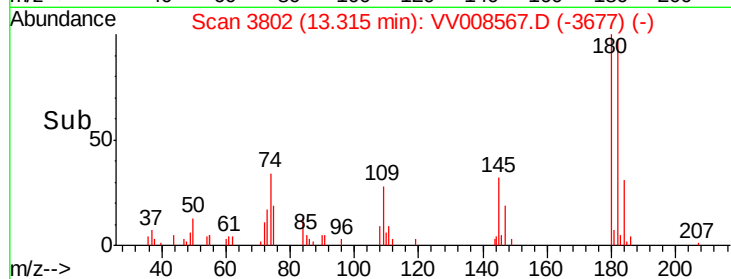
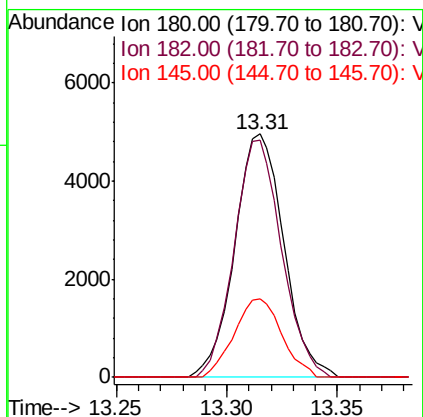
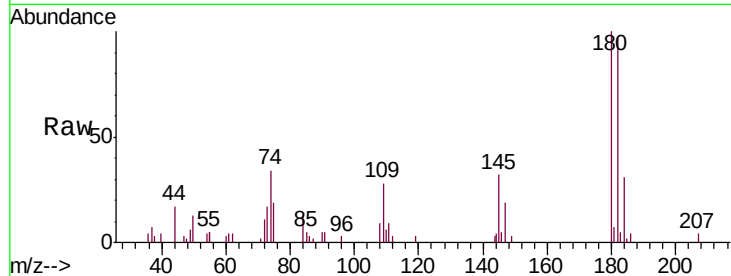




#68
1,2,4-trichlorobenzene
Concen: 4.602 ug/L
RT: 13.31 min Scan# 3802
Delta R.T. 0.00 min
Lab File: VV008567.D
Acq: 15 Nov 2018 11:34

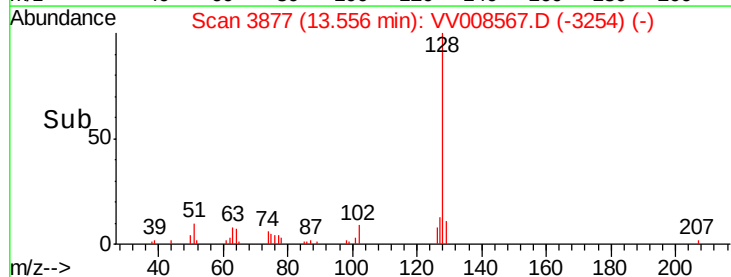
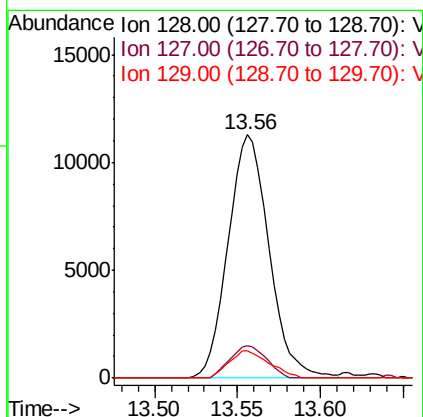
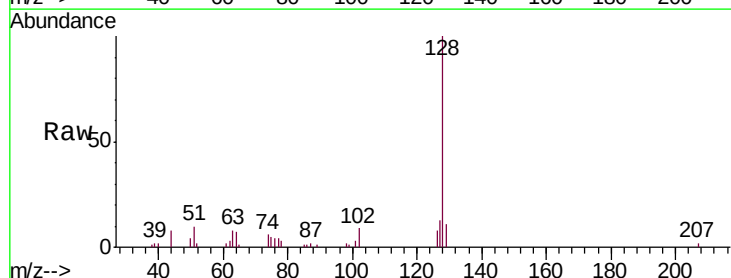
Instrument :
MSVOA_V
ClientSampleId :
VSTD00568

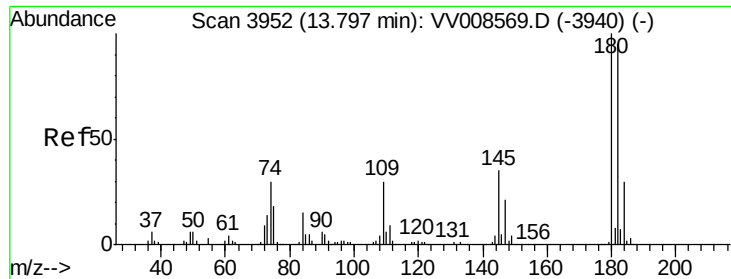
Tgt Ion:180 Resp: 7673
Ion Ratio Lower Upper
180 100
182 94.3 75.3 112.9
145 31.3 26.0 39.0



#69
Naphthalene
Concen: 3.846 ug/L
RT: 13.56 min Scan# 3877
Delta R.T. 0.00 min
Lab File: VV008567.D
Acq: 15 Nov 2018 11:34

Tgt Ion:128 Resp: 19368
Ion Ratio Lower Upper
128 100
127 11.8 10.2 15.4
129 10.9 8.8 13.2





#70
 1,2,3-Trichlorobenzene
 Concen: 4.617 ug/L
 RT: 13.80 min Scan# 3952
 Delta R.T. 0.00 min
 Lab File: VV008567.D
 Acq: 15 Nov 2018 11:34

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00568

Tgt Ion:180 Resp: 7796
 Ion Ratio Lower Upper
 180 100
 182 93.4 76.4 114.6
 145 36.2 28.0 42.0

