

Data File : VV009467.D
Acq On : 04 Mar 2019 12:45
Operator : SY/MD
Sample : VSTD00163
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00163

Quant Time: Mar 05 03:49:13 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR030419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Mar 05 03:46:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	96104	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	91046	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	43598	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	6248	1.18	ug/L	0.00
7) Chloroethane-d5	1.58	69	5495	1.16	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	15584	1.17	ug/L	0.00
20) 2-Butanone-d5	4.00	46	5651	5.72	ug/L	0.02
24) Chloroform-d	4.40	84	10448	1.04	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	5250	1.06	ug/L	0.00
32) Benzene-d6	5.10	84	20249	1.02	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.13	67	6236	1.03	ug/L	0.00
41) Toluene-d8	7.36	98	20307	1.00	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	2495	0.94	ug/L	0.00
46) 2-Hexanone-d5	8.15	63	8684	10.14	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	4707	1.01	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	7236	1.03	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	5306	0.898 ug/L	92
3) Chloromethane	1.25	50	6321	1.006 ug/L	100
5) Vinyl chloride	1.32	62	6830	0.985 ug/L	97
6) Bromomethane	1.53	94	4519	0.965 ug/L	95
8) Chloroethane	1.60	64	4313	0.939 ug/L	98
9) Trichlorofluoromethane	1.77	101	12935	0.883 ug/L	93
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	7672	1.062 ug/L	98
12) 1,1-Dichloroethene	2.14	96	6466	1.012 ug/L	95
13) Acetone	2.24	43	8077	8.722 ug/L	85
14) Carbon disulfide	2.32	76	21271	1.016 ug/L	97
15) Methyl Acetate	2.47	43	2745	1.143 ug/L #	76
16) Methylene chloride	2.54	84	7610	1.072 ug/L	95
17) Methyl tert-butyl Ether	2.82	73	15364	0.939 ug/L	97
18) trans-1,2-Dichloroethene	2.79	96	6940	0.995 ug/L	94
19) 1,1-Dichloroethane	3.23	63	12514	1.361 ug/L	95
21) 2-Butanone	4.07	43	3449	2.981 ug/L	85
22) cis-1,2-Dichloroethene	3.97	96	6373	0.983 ug/L	87
23) Bromochloromethane	4.30	128	2149	0.829 ug/L	85
25) Chloroform	4.43	83	10137	0.905 ug/L	100
27) 1,2-Dichloroethane	5.19	62	5983	0.907 ug/L	99
29) 1,1,1-Trichloroethane	4.65	97	9699	0.939 ug/L	97
30) Cyclohexane	4.72	56	8873	0.890 ug/L #	92
31) Carbon tetrachloride	4.87	117	7430	0.871 ug/L	99
33) Benzene	5.15	78	22421	0.946 ug/L	100
34) Trichloroethene	5.96	95	5941	0.878 ug/L	96
35) Methylcyclohexane	6.18	83	9869	0.884 ug/L	97
37) 1,2-Dichloropropane	6.22	63	5499	0.945 ug/L #	92
38) Bromodichloromethane	6.56	83	7432	0.922 ug/L	92
39) cis-1,3-Dichloropropene	7.07	75	7855	0.854 ug/L	93
40) 4-Methyl-2-pentanone	7.29	43	28679	9.101 ug/L	99

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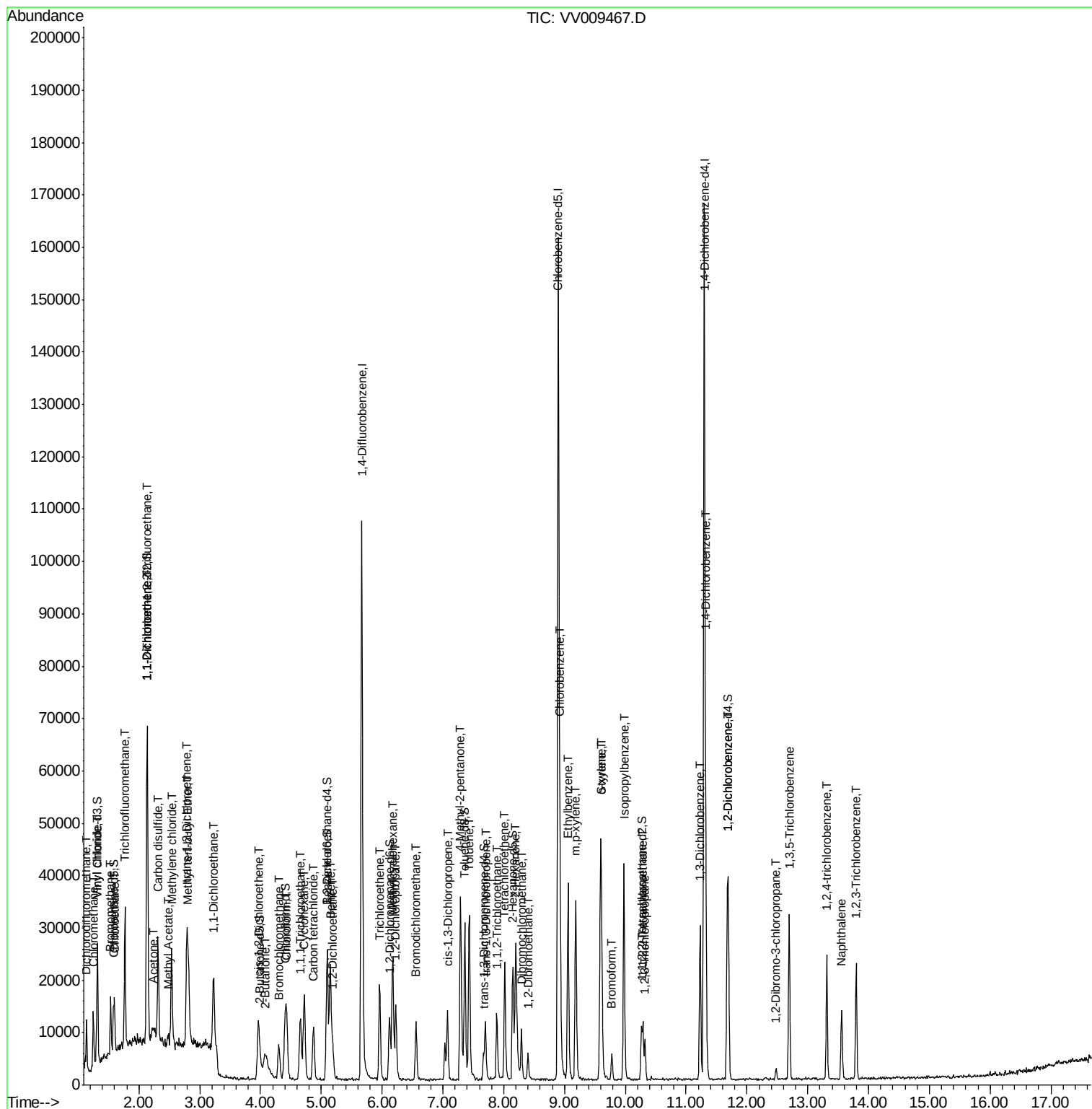
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	24395	0.894	ug/L	98
44) trans-1,3-Dichloropropene	7.70	75	6153	0.860	ug/L	98
45) 1,1,2-Trichloroethane	7.89	97	3642	0.869	ug/L	92
47) Tetrachloroethene	8.02	164	4703	0.887	ug/L	94
48) 2-Hexanone	8.20	43	18849	8.912	ug/L	97
49) Dibromochloromethane	8.29	129	4456	0.815	ug/L	91
50) 1,2-Dibromoethane	8.40	107	3437	0.860	ug/L #	95
51) Chlorobenzene	8.93	112	16392	0.922	ug/L	99
52) Ethylbenzene	9.06	91	28465	0.915	ug/L	97
53) m,p-xylene	9.18	106	10737	0.884	ug/L	98
54) o-xylene	9.59	106	10008	0.852	ug/L	99
55) Styrene	9.61	104	16386	0.857	ug/L	99
56) Isopropylbenzene	9.98	105	27867	0.886	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	4786	0.954	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	3108	0.905	ug/L	95
61) Bromoform	9.78	173	2013	0.742	ug/L #	96
62) 1,3-Dichlorobenzene	11.23	146	12522	0.911	ug/L	97
63) 1,4-Dichlorobenzene	11.32	146	12547	0.925	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	11321	0.908	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	733	0.928	ug/L #	81
67) 1,3,5-Trichlorobenzene	12.69	180	9291	0.945	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	6772	0.905	ug/L	100
69) Naphthalene	13.56	128	10947	0.874	ug/L	98
70) 1,2,3-Trichlorobenzene	13.80	180	5959	0.870	ug/L	97

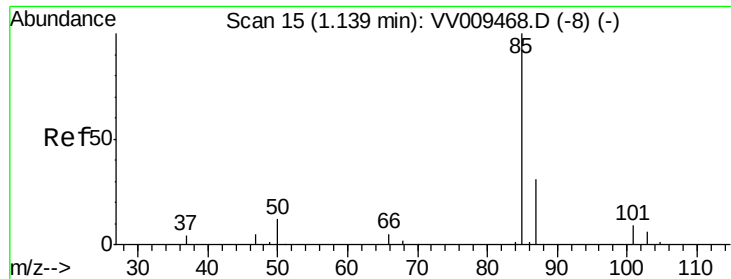
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.898 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV009467.D

Acq: 04 Mar 2019 12:45

Instrument :

MSVOA_V

ClientSampleId :

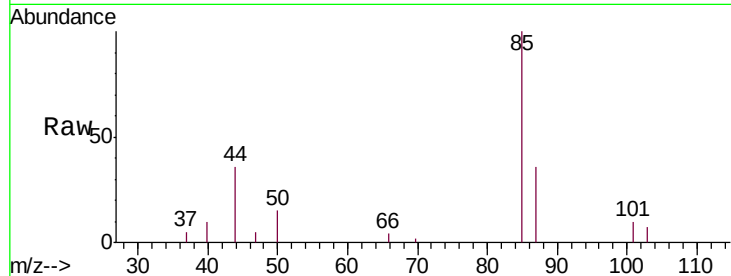
VSTD00163

Tgt Ion: 85 Resp: 5306

Ion Ratio Lower Upper

85 100

87 35.1 24.4 36.6



Abundance Ion 85.00 (84.70 to 85.70): VV009467.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV009467.D (-8) (-)

1.14

6000

5000

4000

3000

2000

1000

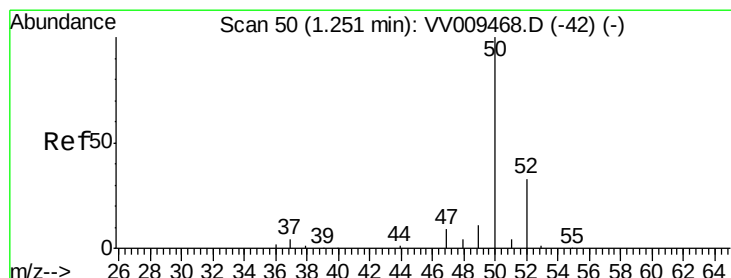
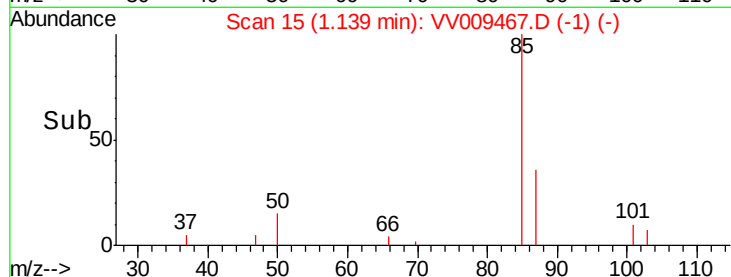
0

Time-->

1.10

1.15

1.20



#3

Chloromethane

Concen: 1.006 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV009467.D

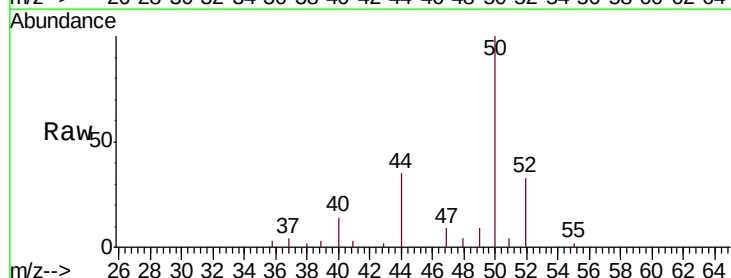
Acq: 04 Mar 2019 12:45

Tgt Ion: 50 Resp: 6321

Ion Ratio Lower Upper

50 100

52 32.6 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV009467.D (-42) (-)

Ion 52.05 (51.75 to 52.75): VV009467.D (-42) (-)

1.25

6000

4000

2000

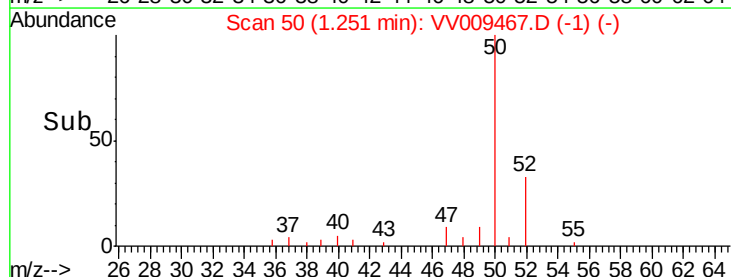
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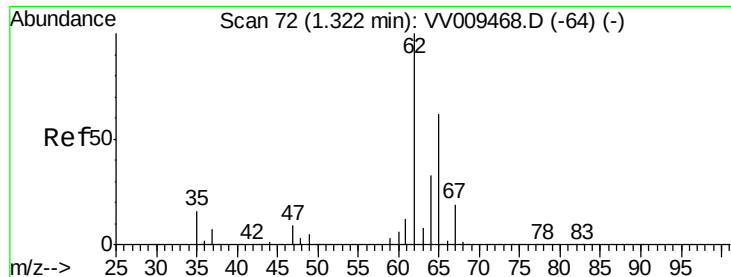
Time-->

1.20

1.25

1.30





#5

Vinyl chloride

Concen: 0.985 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV009467.D

Acq: 04 Mar 2019 12:45

Instrument :

MSVOA_V

ClientSampleId :

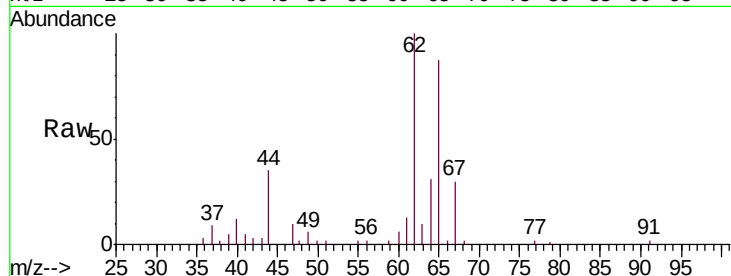
VSTD00163

Tgt Ion: 62 Resp: 6830

Ion Ratio Lower Upper

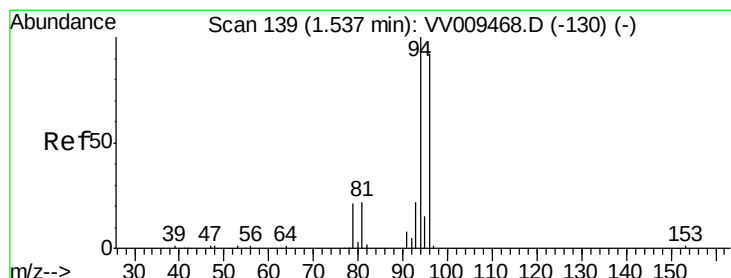
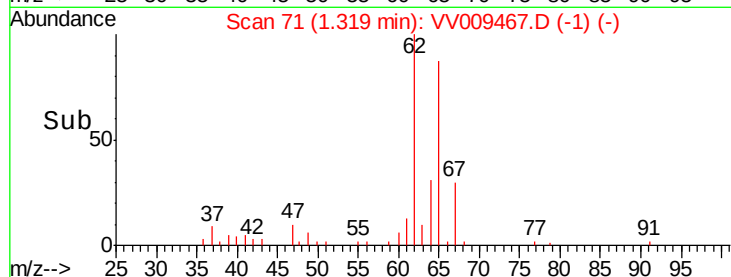
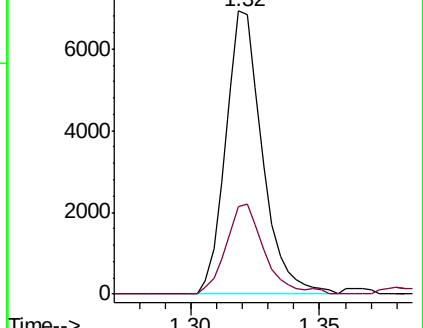
62 100

64 30.7 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VV009467.D (-64) (-)

Ion 64.10 (63.80 to 64.80): VV009467.D (-64) (-)



#6

Bromomethane

Concen: 0.965 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV009467.D

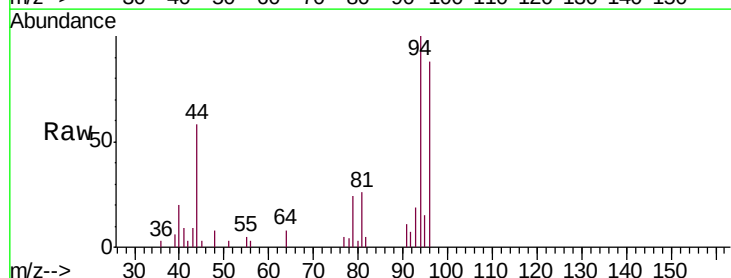
Acq: 04 Mar 2019 12:45

Tgt Ion: 94 Resp: 4519

Ion Ratio Lower Upper

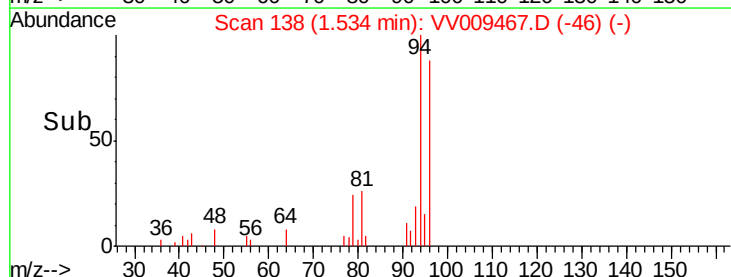
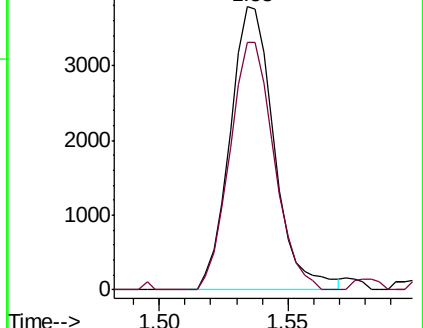
94 100

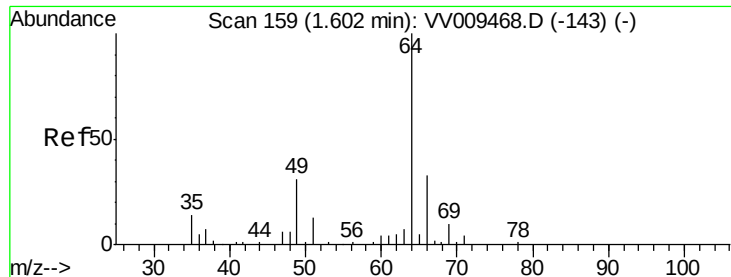
96 87.6 64.6 120.0



Abundance Ion 94.00 (93.70 to 94.70): VV009467.D (-130) (-)

Ion 96.00 (95.70 to 96.70): VV009467.D (-130) (-)





#8

Chloroethane

Concen: 0.939 ug/L

RT: 1.60 min Scan# 159

Delta R.T. -0.00 min

Lab File: VV009467.D

Acq: 04 Mar 2019 12:45

Instrument :

MSVOA_V

ClientSampleId :

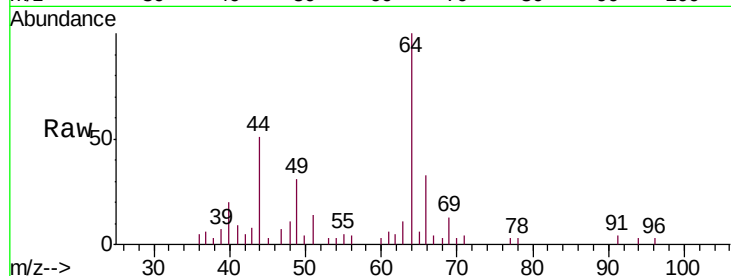
VSTD00163

Tgt Ion: 64 Resp: 4313

Ion Ratio Lower Upper

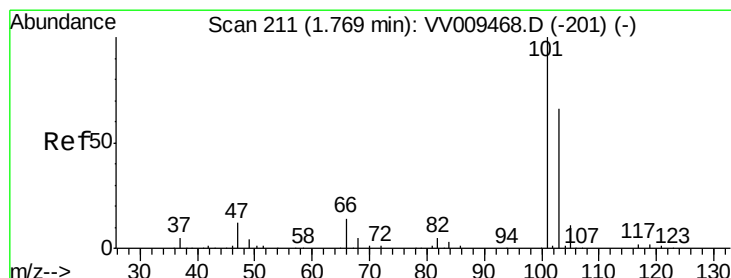
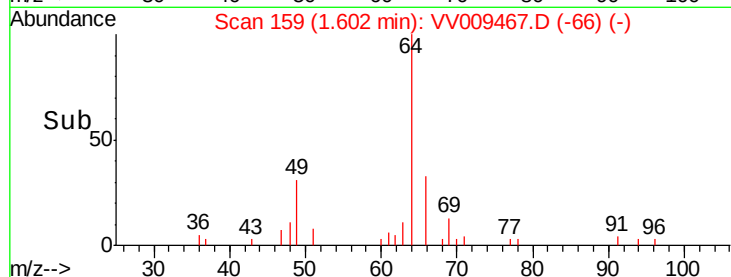
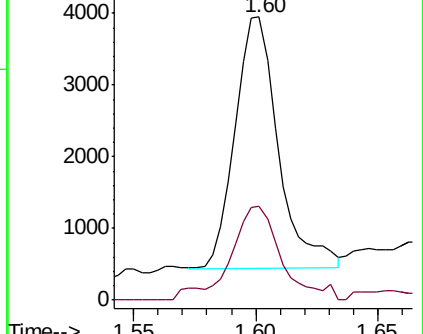
64 100

66 33.3 22.4 41.6



Abundance Ion 64.10 (63.80 to 64.80): VV009468.D (-143) (-)

Ion 66.05 (65.75 to 66.75): VV009468.D (-143) (-)



#9

Trichlorofluoromethane

Concen: 0.883 ug/L

RT: 1.77 min Scan# 211

Delta R.T. -0.00 min

Lab File: VV009467.D

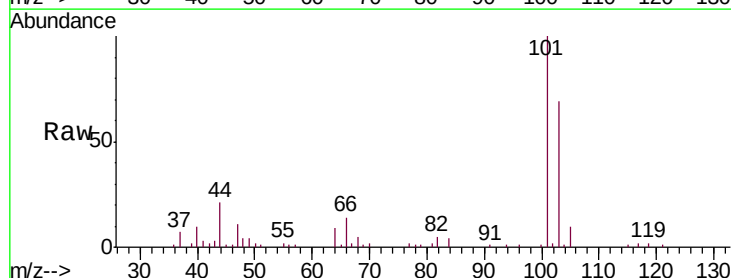
Acq: 04 Mar 2019 12:45

Tgt Ion: 101 Resp: 12935

Ion Ratio Lower Upper

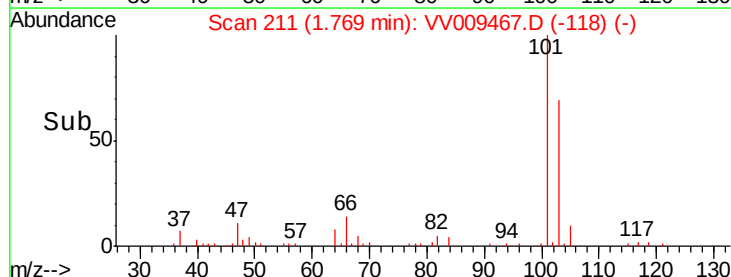
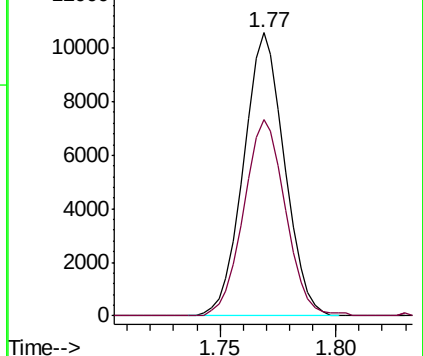
101 100

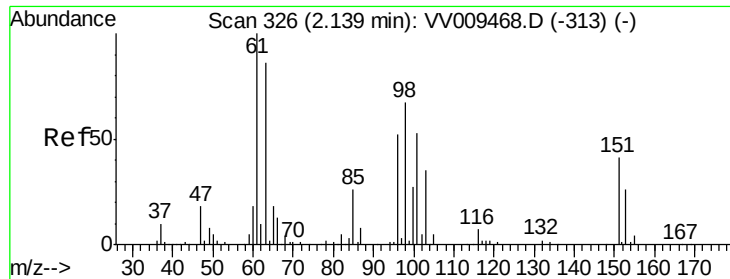
103 70.8 52.3 78.5



Abundance Ion 101.00 (100.70 to 101.70): VV009468.D (-201) (-)

Ion 103.00 (102.70 to 103.70): VV009468.D (-201) (-)





#10

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

Concen: 1.062 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV009467.D

Acq: 04 Mar 2019 12:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD00163

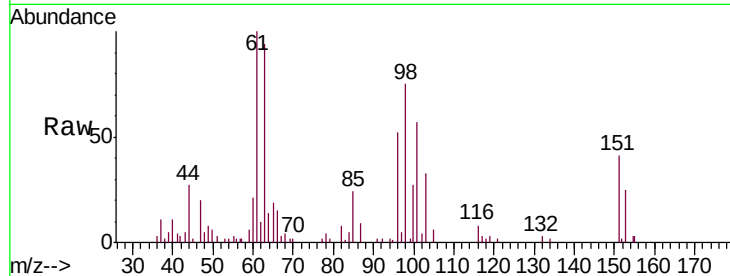
Tgt Ion:101 Resp: 7672

Ion Ratio Lower Upper

101 100

85 47.7 39.2 58.8

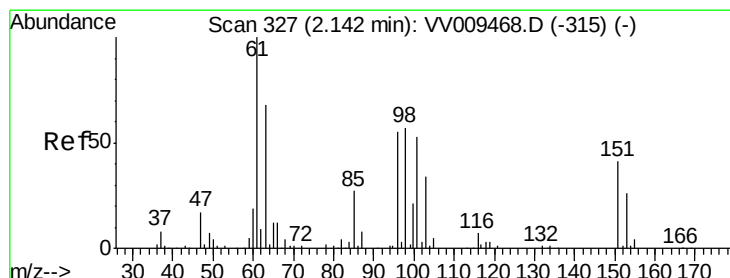
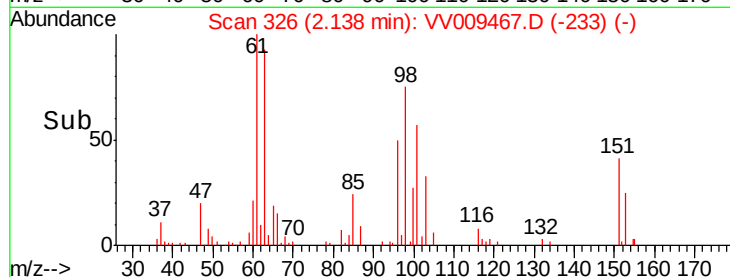
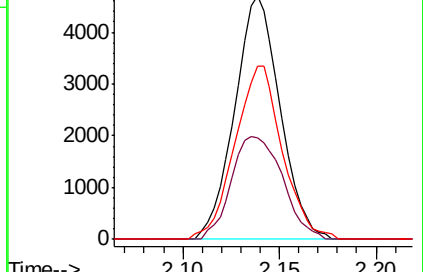
151 74.4 61.1 91.7



Abundance Ion 101.00 (100.70 to 101.70): VV009467.D (-233) (-)

Ion 85.00 (84.70 to 85.70): VV009467.D (-233) (-)

Ion 151.00 (150.70 to 151.70): VV009467.D (-233) (-)



#12

1,1-Dichloroethene

Concen: 1.012 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV009467.D

Acq: 04 Mar 2019 12:45

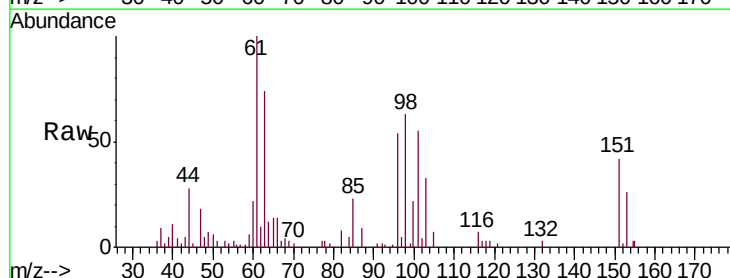
Tgt Ion: 96 Resp: 6466

Ion Ratio Lower Upper

96 100

61 185.6 127.1 236.0

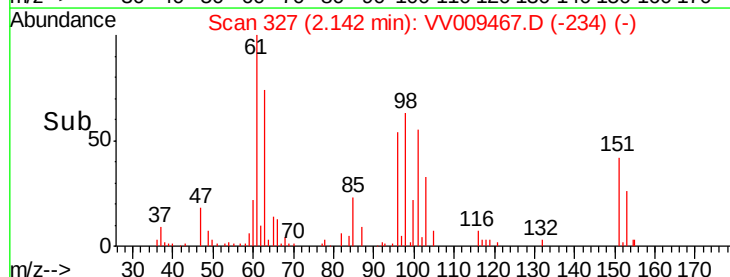
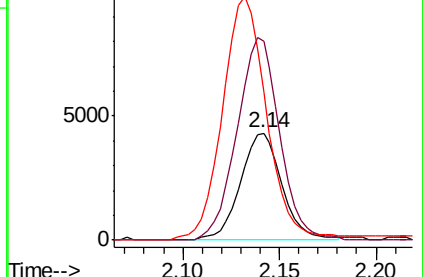
63 137.3 88.8 164.8

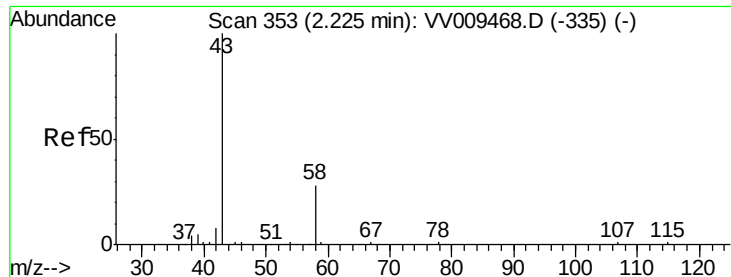


Abundance Ion 96.00 (95.70 to 96.70): VV009467.D (-234) (-)

Ion 61.05 (60.75 to 61.75): VV009467.D (-234) (-)

Ion 63.00 (62.70 to 63.70): VV009467.D (-234) (-)





#13

Acetone

Concen: 8.722 ug/L

RT: 2.24 min Scan# 359

Delta R.T. 0.02 min

Lab File: VV009467.D

Acq: 04 Mar 2019 12:45

Instrument :

MSVOA_V

ClientSampleId :

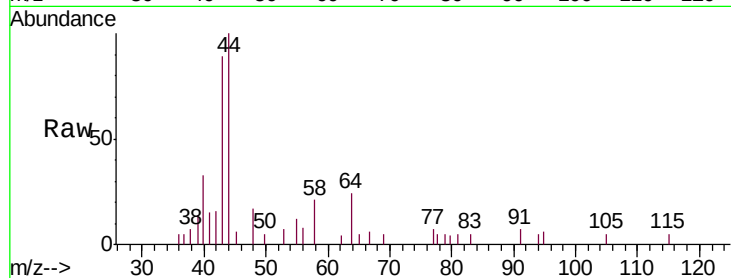
VSTD00163

Tgt Ion: 43 Resp: 8077

Ion Ratio Lower Upper

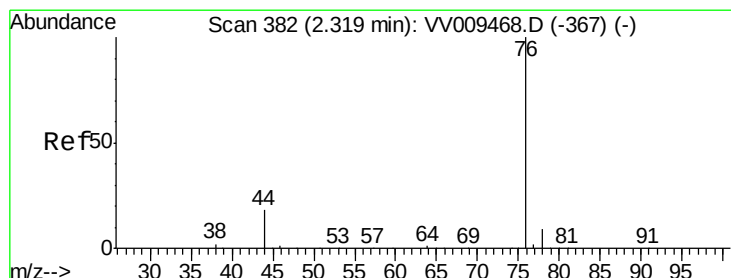
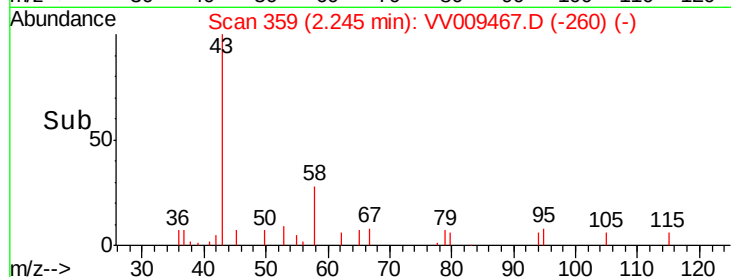
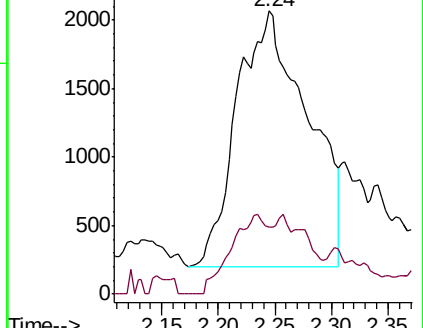
43 100

58 17.2 0.0 23.0



Abundance Ion 43.05 (42.75 to 43.75): VV009468.D (-335) (-)

Ion 58.05 (57.75 to 58.75): VV009468.D (-335) (-)



#14

Carbon disulfide

Concen: 1.016 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV009467.D

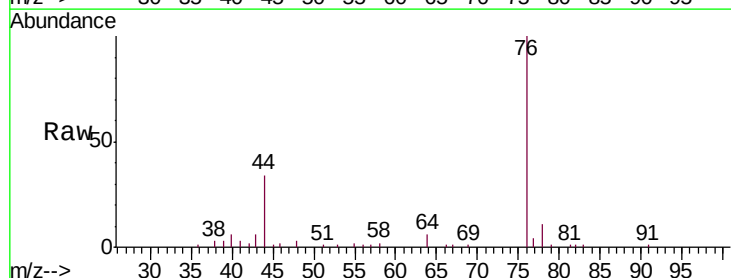
Acq: 04 Mar 2019 12:45

Tgt Ion: 76 Resp: 21271

Ion Ratio Lower Upper

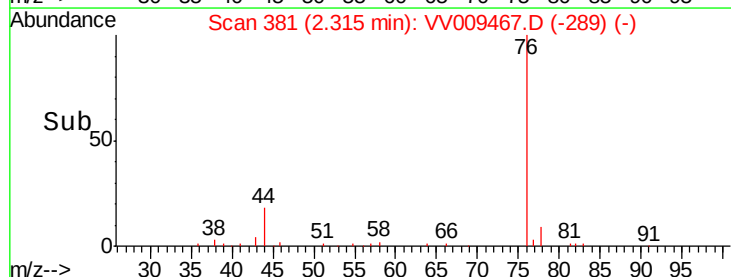
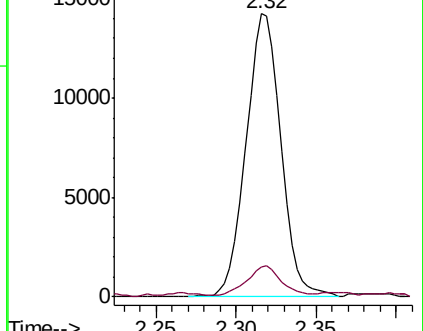
76 100

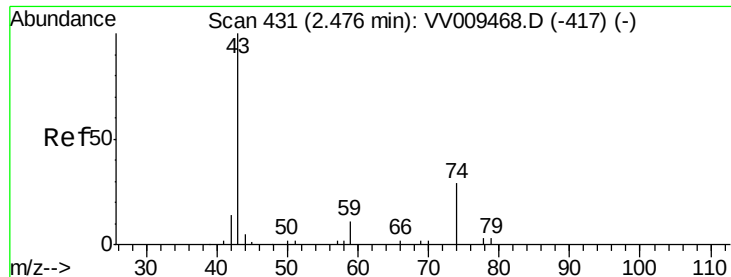
78 10.7 7.7 11.5



Abundance Ion 76.05 (75.75 to 76.75): VV009468.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VV009468.D (-367) (-)





#15

Methyl Acetate

Concen: 1.143 ug/L

RT: 2.47 min Scan# 430

Delta R.T. -0.00 min

Lab File: VV009467.D

Acq: 04 Mar 2019 12:45

Instrument :

MSVOA_V

ClientSampleId :

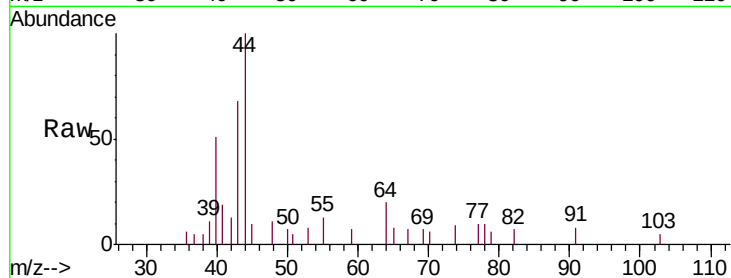
VSTD00163

Tgt Ion: 43 Resp: 2745

Ion Ratio Lower Upper

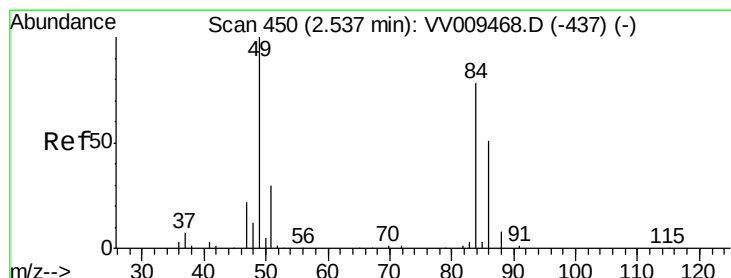
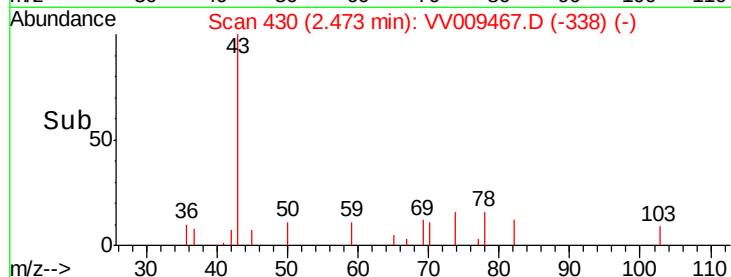
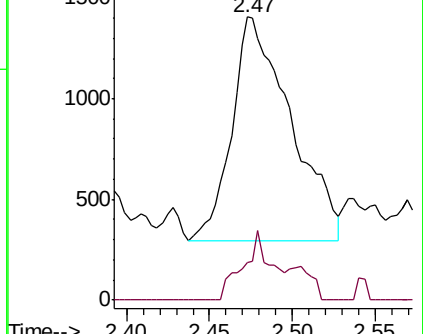
43 100

74 14.7 21.8 32.6#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 1.072 ug/L

RT: 2.54 min Scan# 450

Delta R.T. -0.00 min

Lab File: VV009467.D

Acq: 04 Mar 2019 12:45

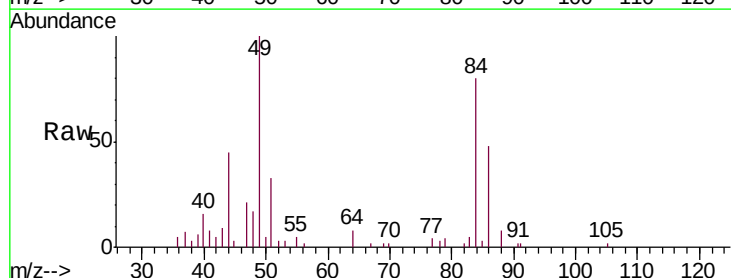
Tgt Ion: 84 Resp: 7610

Ion Ratio Lower Upper

84 100

86 59.3 46.1 85.5

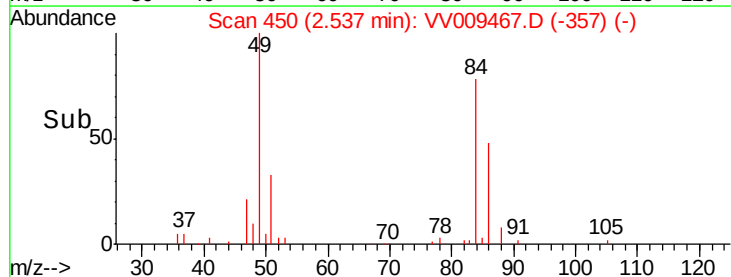
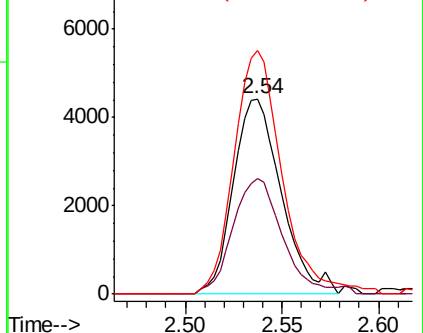
49 124.6 89.7 166.5

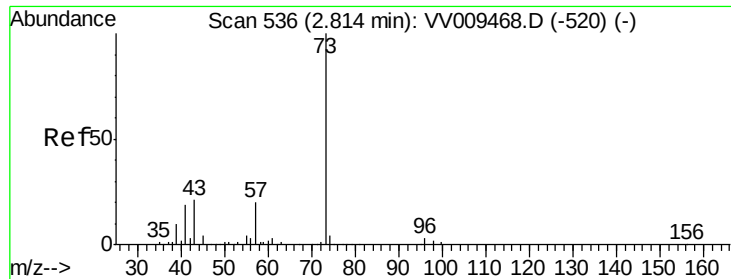


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

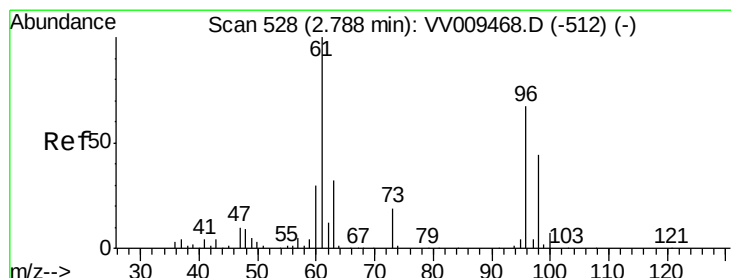
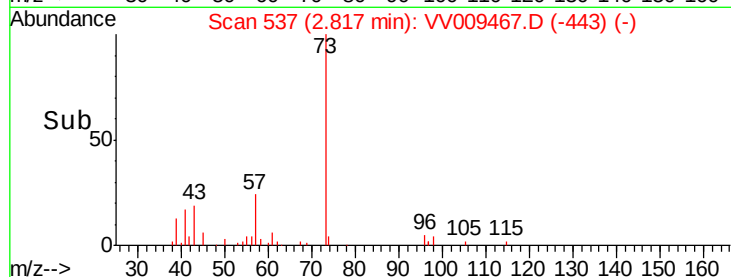
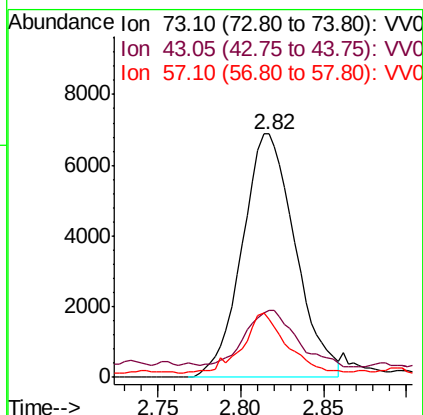
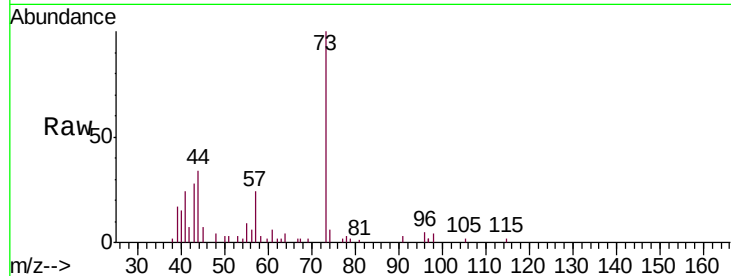




#17
Methyl tert-butyl Ether
Concen: 0.939 ug/L
RT: 2.82 min Scan# 537
Delta R.T. 0.00 min
Lab File: VV009467.D
Acq: 04 Mar 2019 12:45

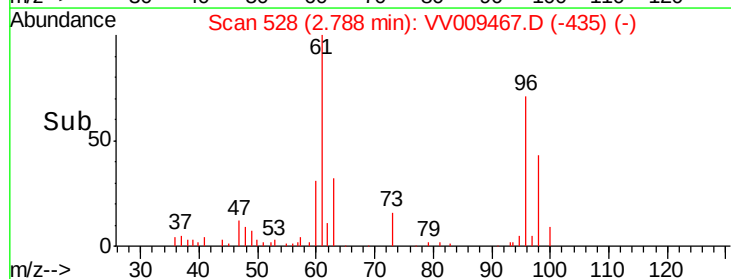
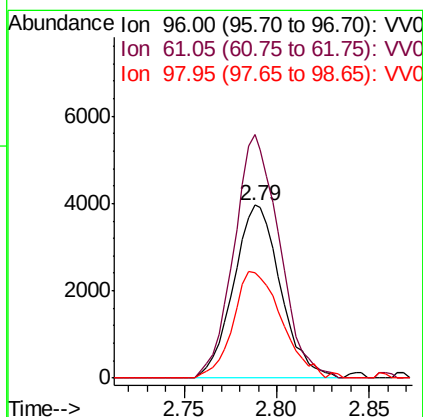
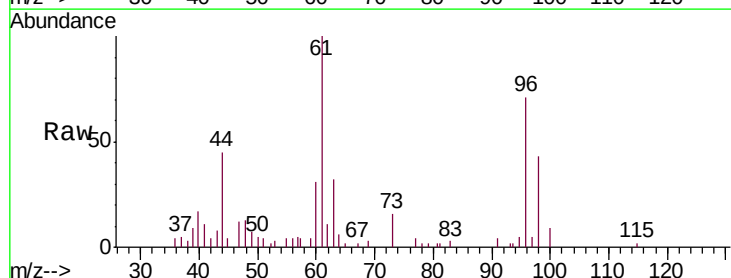
Instrument :
MSVOA_V
ClientSampleId :
VSTD00163

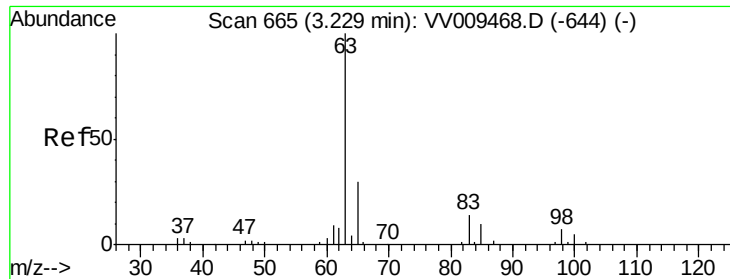
Tgt Ion: 73 Resp: 15364
Ion Ratio Lower Upper
73 100
43 22.9 17.2 25.8
57 23.1 17.3 25.9



#18
trans-1,2-Dichloroethene
Concen: 0.995 ug/L
RT: 2.79 min Scan# 528
Delta R.T. -0.00 min
Lab File: VV009467.D
Acq: 04 Mar 2019 12:45

Tgt Ion: 96 Resp: 6940
Ion Ratio Lower Upper
96 100
61 140.8 103.9 192.9
98 61.0 46.0 85.4

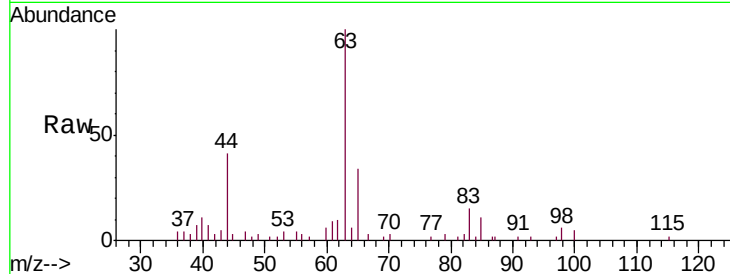




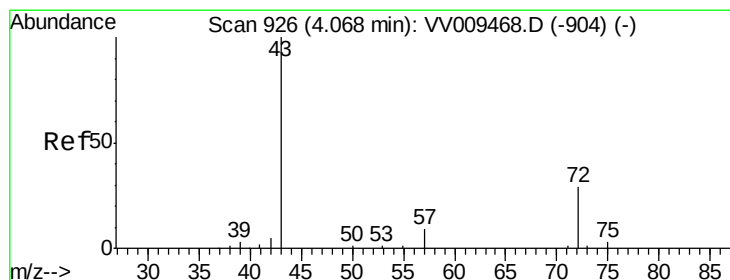
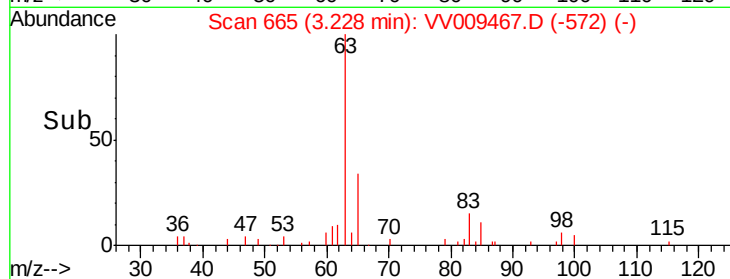
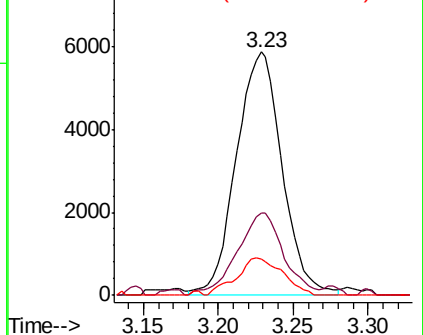
#19
 1,1-Dichloroethane
 Concen: 1.361 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. -0.00 min
 Lab File: VV009467.D
 Acq: 04 Mar 2019 12:45

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00163

Tgt Ion: 63 Resp: 12514
 Ion Ratio Lower Upper
 63 100
 65 33.8 21.3 39.5
 83 14.9 9.9 18.5

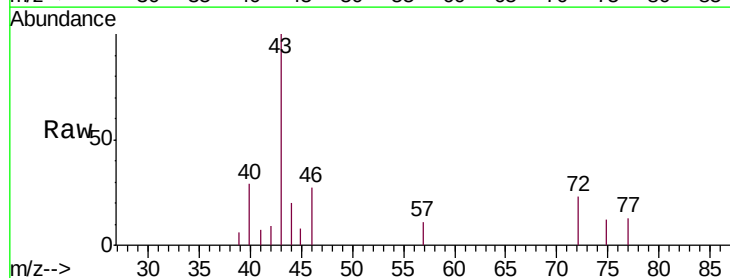


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

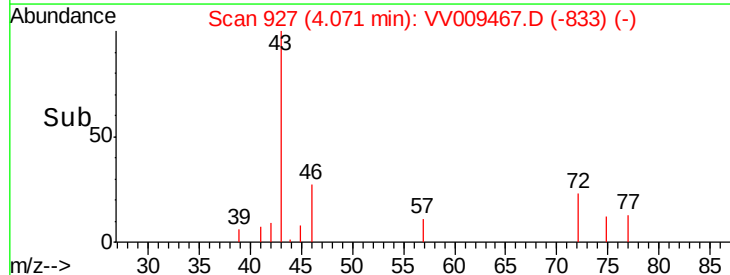
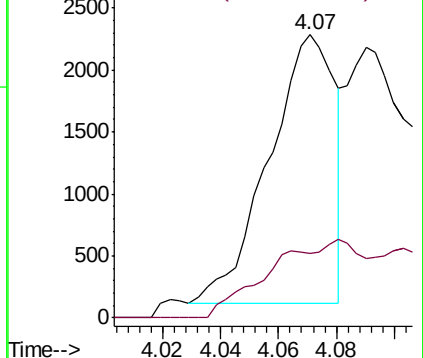


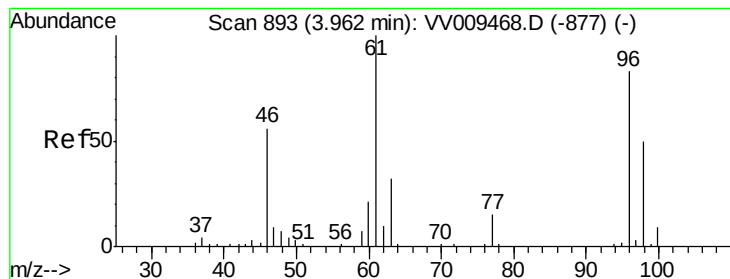
#21
 2-Butanone
 Concen: 2.981 ug/L
 RT: 4.07 min Scan# 927
 Delta R.T. 0.00 min
 Lab File: VV009467.D
 Acq: 04 Mar 2019 12:45

Tgt Ion: 43 Resp: 3449
 Ion Ratio Lower Upper
 43 100
 72 21.3 14.8 44.4



Abundance Ion 43.05 (42.75 to 43.75): VV0
 Ion 72.10 (71.80 to 72.80): VV0



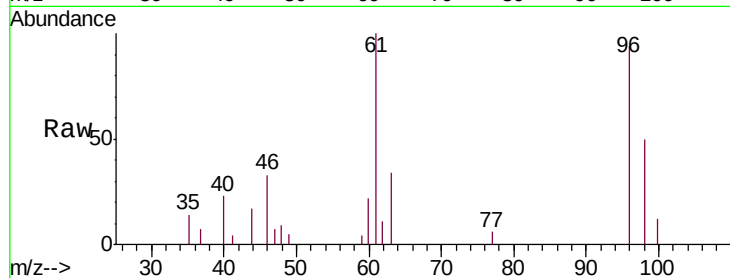


#22

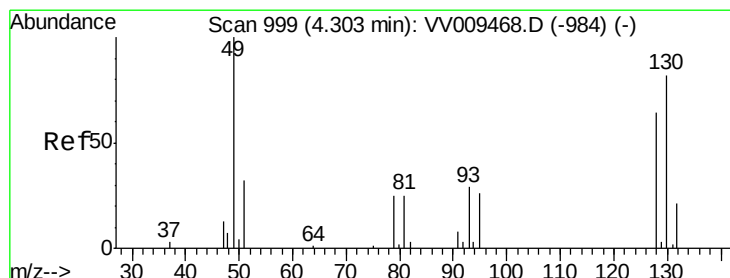
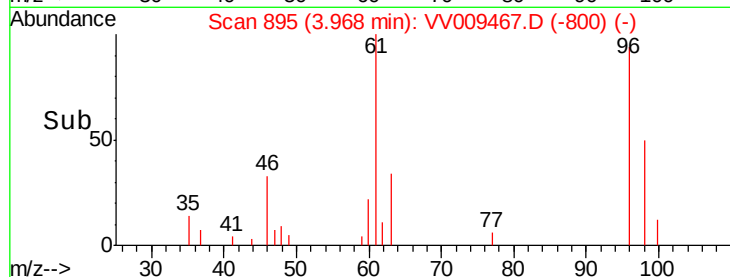
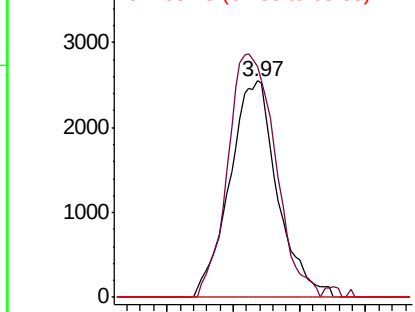
cis-1,2-Dichloroethene
Concen: 0.983 ug/L
RT: 3.97 min Scan# 895
Delta R.T. 0.01 min
Lab File: VV009467.D
Acq: 04 Mar 2019 12:45

Instrument :
MSVOA_V
ClientSampleId :
VSTD00163

Tgt Ion: 96 Resp: 6373
Ion Ratio Lower Upper
96 100
61 106.7 84.8 157.4
68 0.0 0.0 0.0



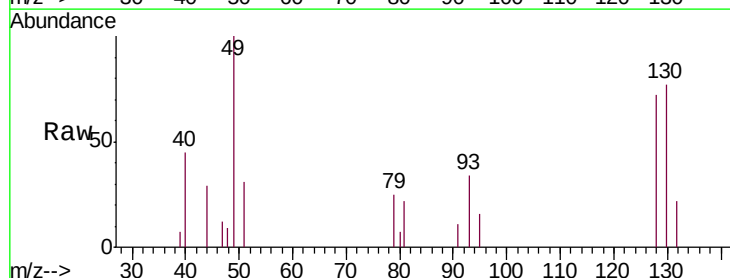
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



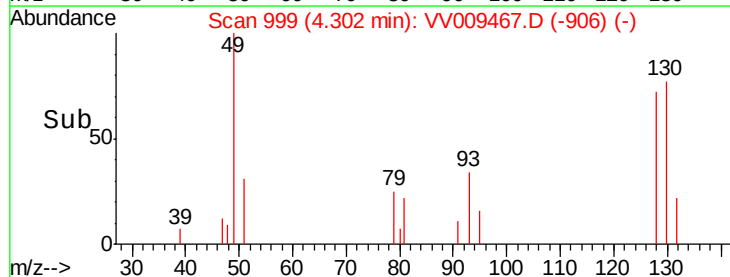
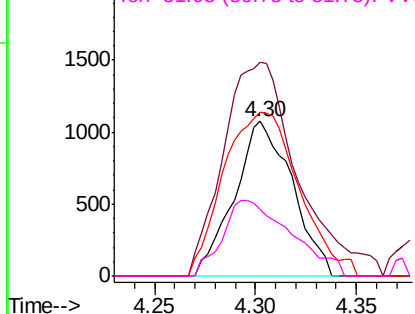
#23

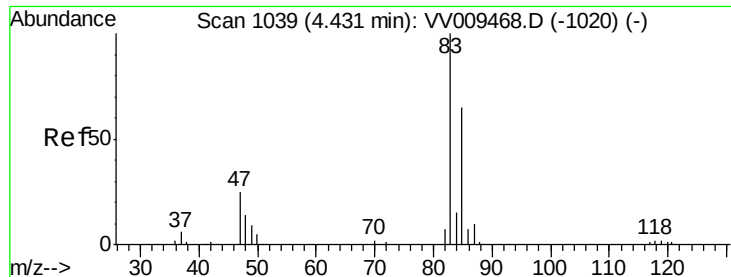
Bromochloromethane
Concen: 0.829 ug/L
RT: 4.30 min Scan# 999
Delta R.T. -0.00 min
Lab File: VV009467.D
Acq: 04 Mar 2019 12:45

Tgt Ion: 128 Resp: 2149
Ion Ratio Lower Upper
128 100
49 138.4 110.4 205.0
130 106.1 89.1 165.5
51 43.3 39.7 59.5



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

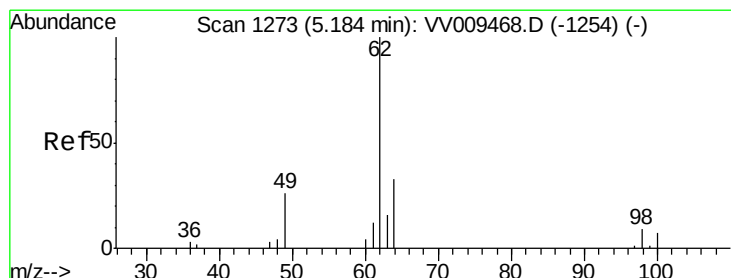
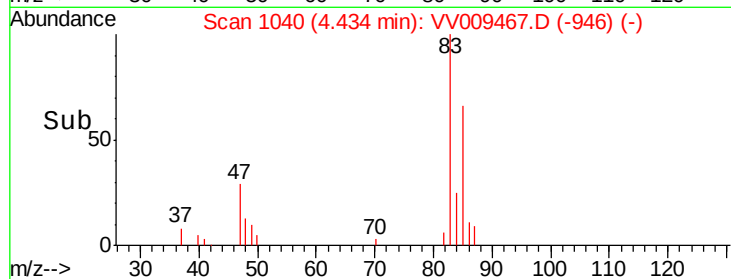
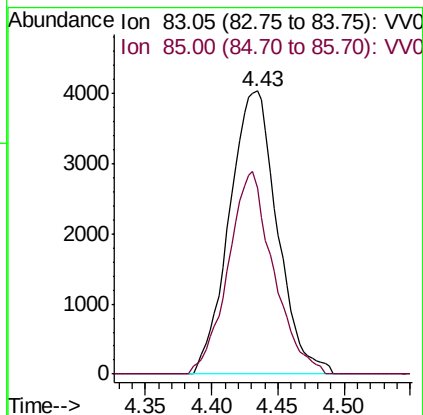
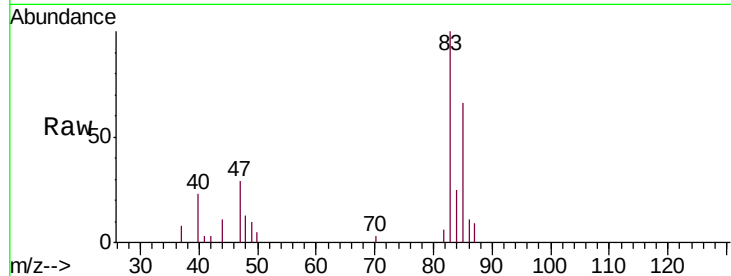




#25
Chloroform
Concen: 0.905 ug/L
RT: 4.43 min Scan# 1040
Delta R.T. 0.00 min
Lab File: VV009467.D
Acq: 04 Mar 2019 12:45

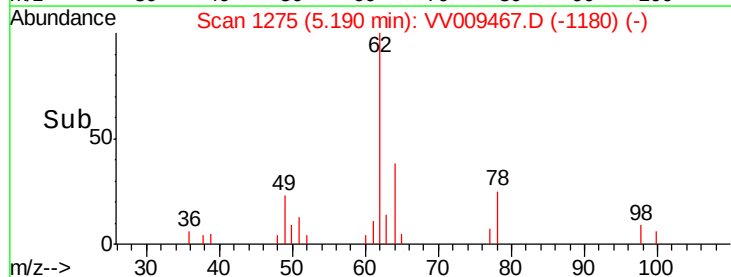
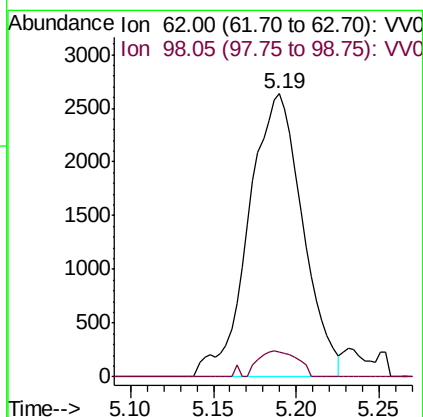
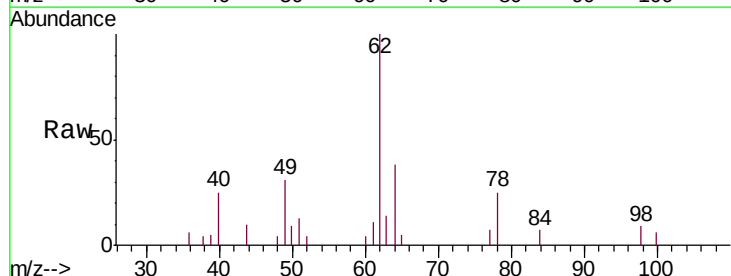
Instrument :
MSVOA_V
ClientSampleId :
VSTD00163

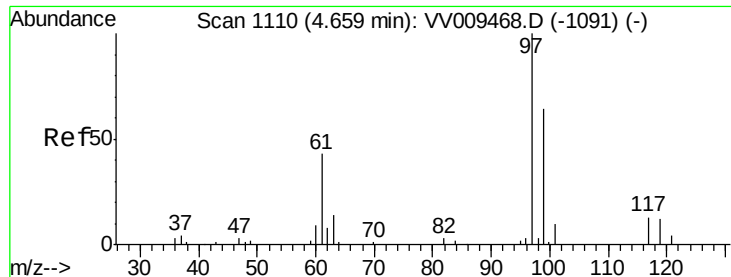
Tgt Ion: 83 Resp: 10137
Ion Ratio Lower Upper
83 100
85 65.6 45.7 84.9



#27
1,2-Dichloroethane
Concen: 0.907 ug/L
RT: 5.19 min Scan# 1275
Delta R.T. 0.01 min
Lab File: VV009467.D
Acq: 04 Mar 2019 12:45

Tgt Ion: 62 Resp: 5983
Ion Ratio Lower Upper
62 100
98 8.8 7.4 11.0

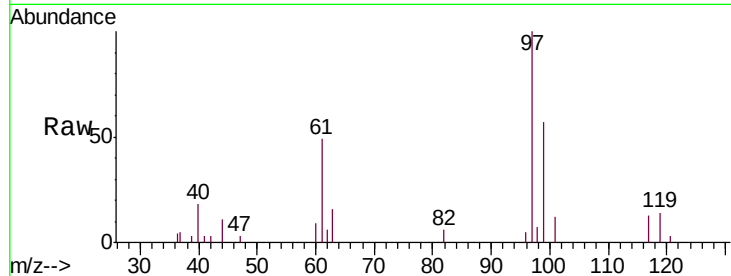




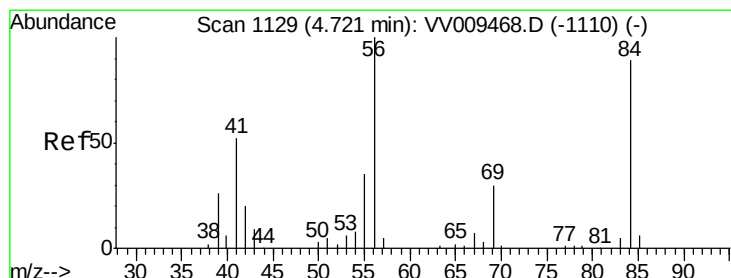
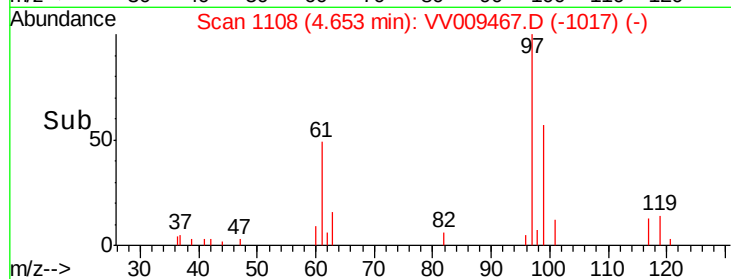
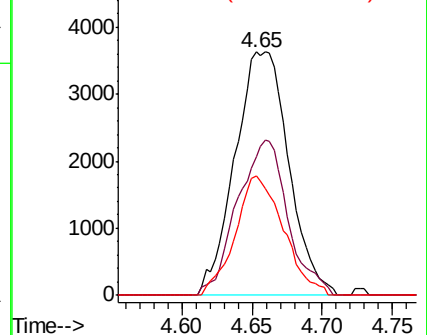
#29
1,1,1-Trichloroethane
Concen: 0.939 ug/L
RT: 4.65 min Scan# 1108
Delta R.T. -0.01 min
Lab File: VV009467.D
Acq: 04 Mar 2019 12:45

Instrument :
MSVOA_V
ClientSampleId :
VSTD00163

Tgt Ion: 97 Resp: 9699
Ion Ratio Lower Upper
97 100
99 59.7 50.8 76.2
61 43.8 35.0 52.6

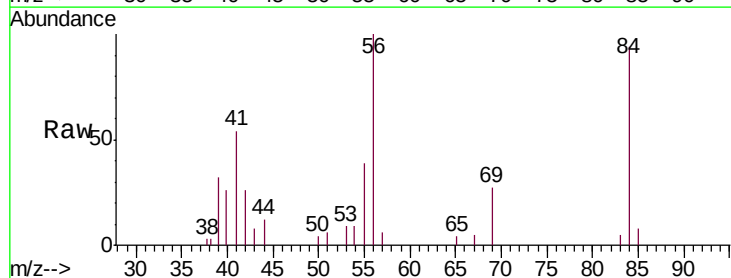


Abundance Ion 96.95 (96.65 to 97.65): VV0
Ion 99.05 (98.75 to 99.75): VV0
Ion 61.05 (60.75 to 61.75): VV0

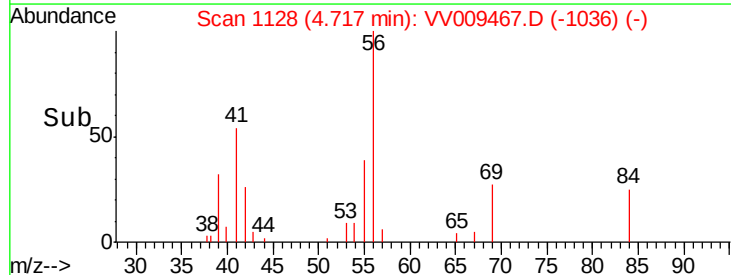
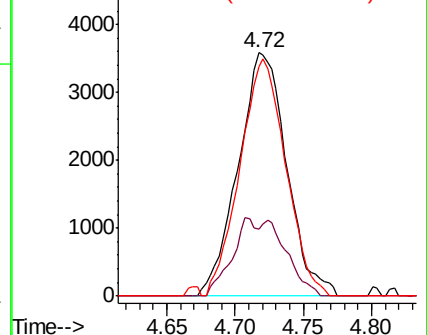


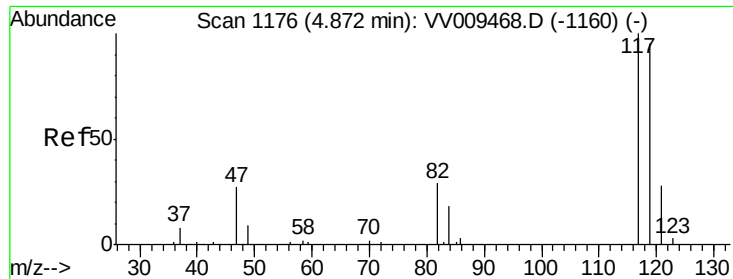
#30
Cyclohexane
Concen: 0.890 ug/L
RT: 4.72 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VV009467.D
Acq: 04 Mar 2019 12:45

Tgt Ion: 56 Resp: 8873
Ion Ratio Lower Upper
56 100
69 16.5 25.6 38.4#
84 91.8 72.4 108.6



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: 0.871 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VV009467.D

Acq: 04 Mar 2019 12:45

Instrument :

MSVOA_V

ClientSampleId :

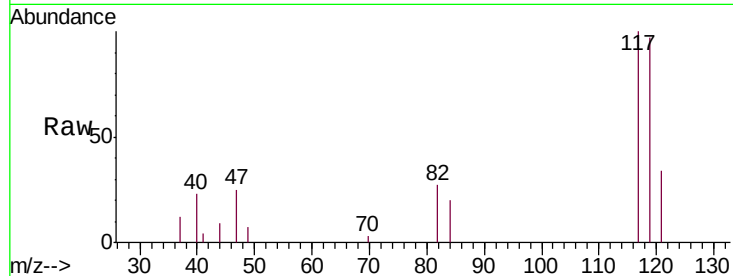
VSTD00163

Tgt Ion:117 Resp: 7430

Ion Ratio Lower Upper

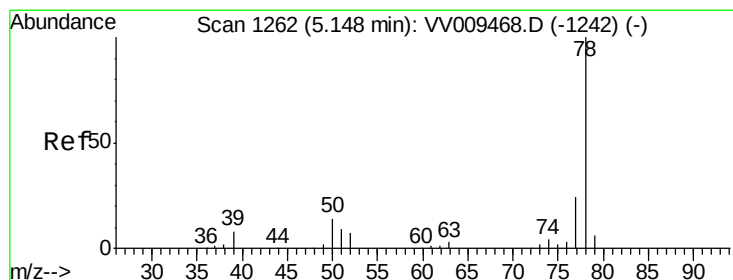
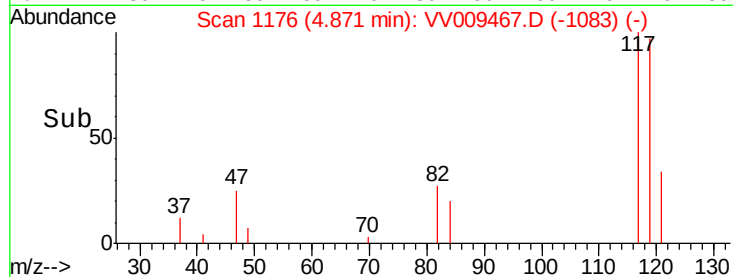
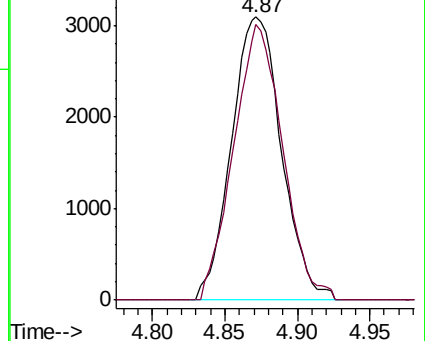
117 100

119 95.2 75.4 113.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.946 ug/L

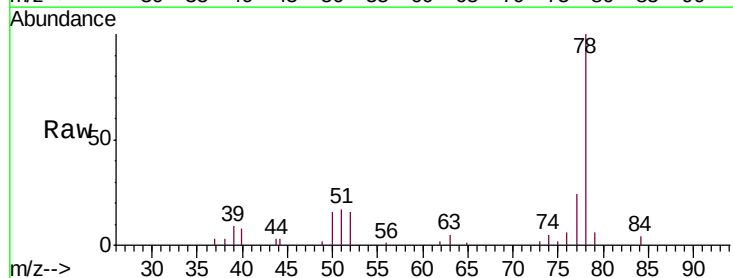
RT: 5.15 min Scan# 1262

Delta R.T. -0.00 min

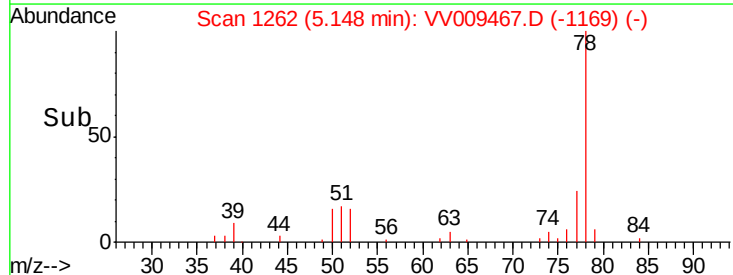
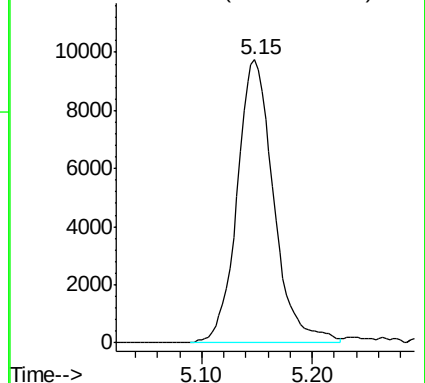
Lab File: VV009467.D

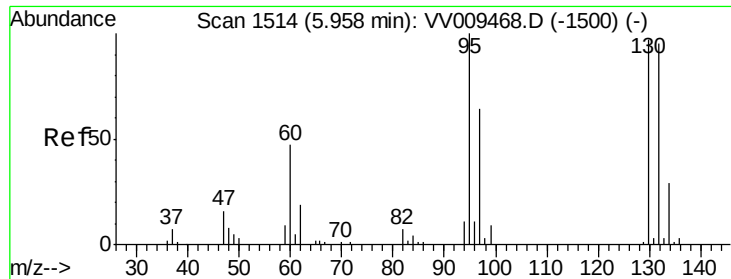
Acq: 04 Mar 2019 12:45

Tgt Ion: 78 Resp: 22421



Abundance Ion 78.10 (77.80 to 78.80): VV0

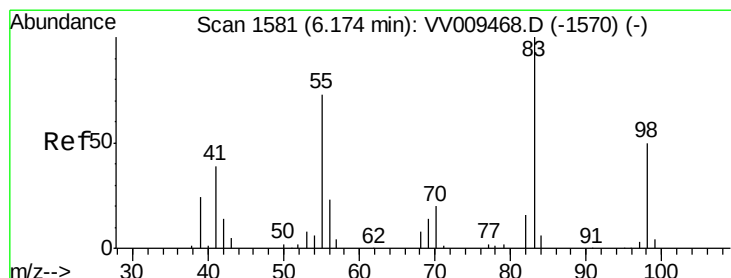
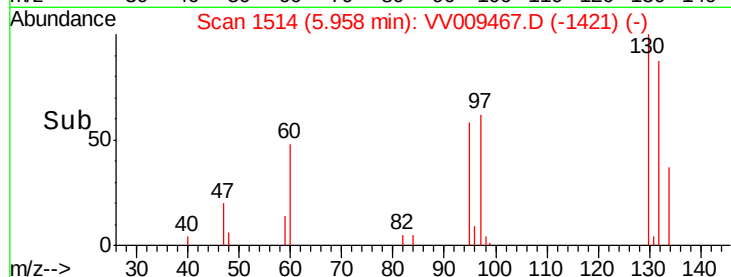
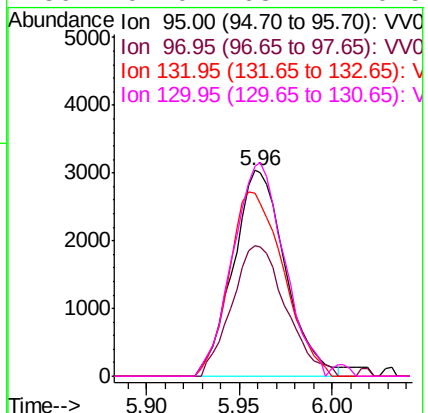
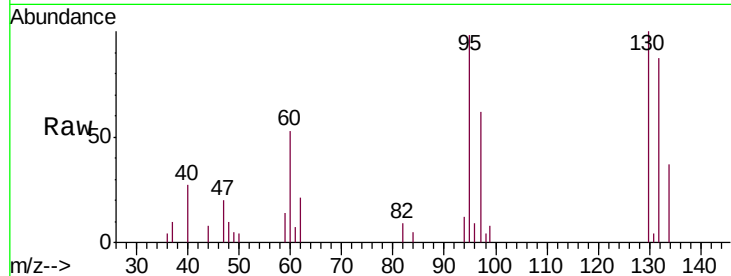




#34
 Trichloroethene
 Concen: 0.878 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. -0.00 min
 Lab File: VV009467.D
 Acq: 04 Mar 2019 12:45

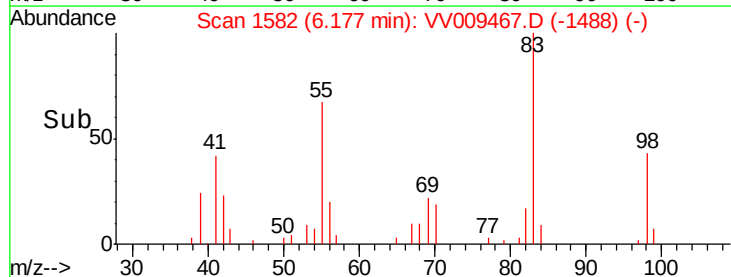
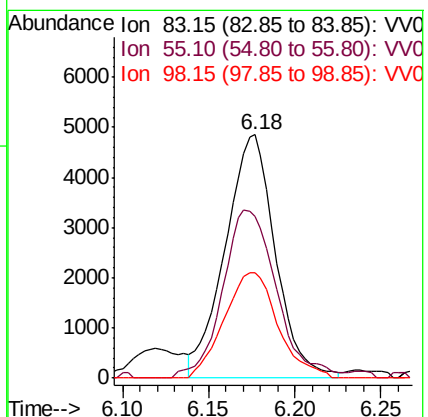
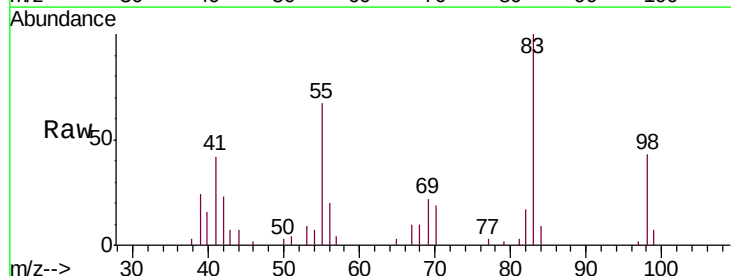
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00163

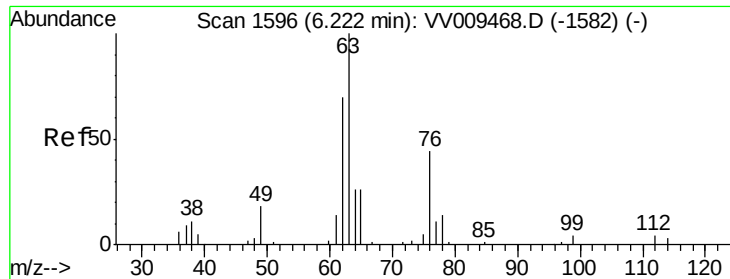
Tgt Ion: 95 Resp: 5941
 Ion Ratio Lower Upper
 95 100
 97 63.5 44.4 82.5
 132 88.6 66.4 123.4
 130 102.0 68.1 126.5



#35
 Methylcyclohexane
 Concen: 0.884 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. 0.00 min
 Lab File: VV009467.D
 Acq: 04 Mar 2019 12:45

Tgt Ion: 83 Resp: 9869
 Ion Ratio Lower Upper
 83 100
 55 74.2 57.4 86.2
 98 46.4 38.9 58.3

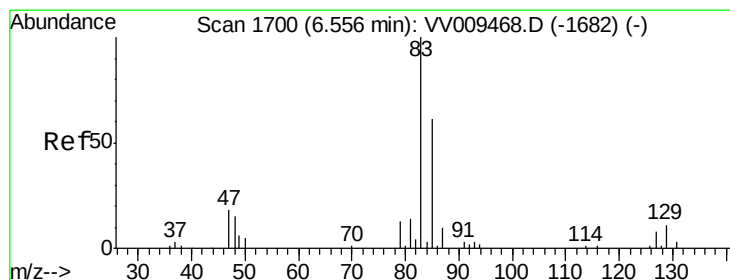
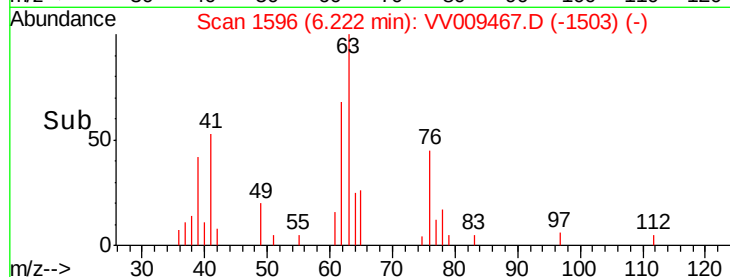
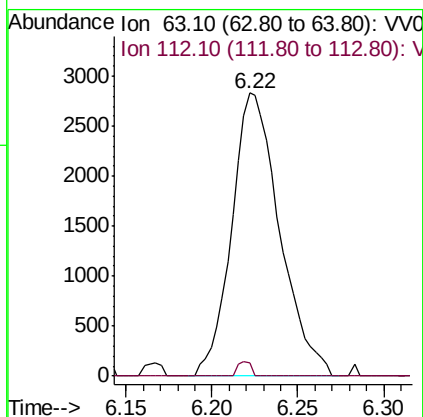
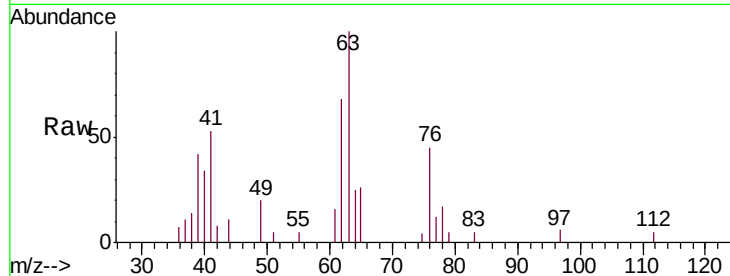




#37
 1,2-Dichloropropane
 Concen: 0.945 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. -0.00 min
 Lab File: VV009467.D
 Acq: 04 Mar 2019 12:45

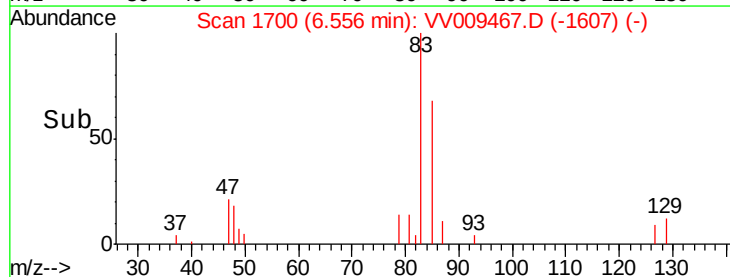
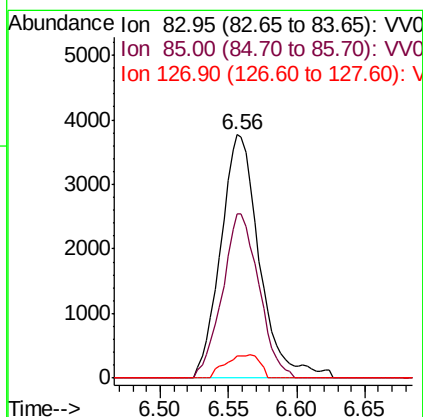
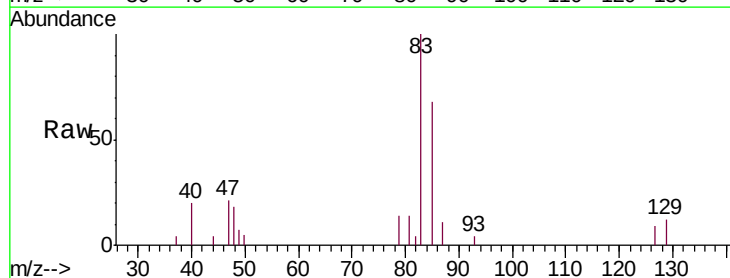
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00163

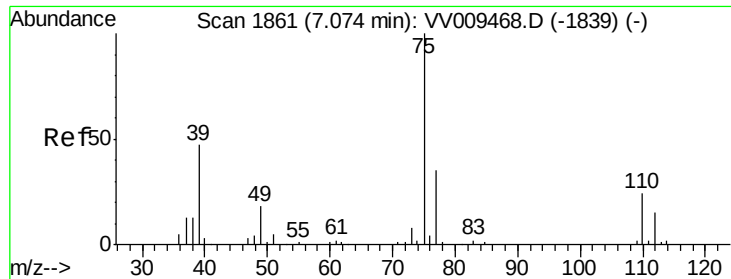
Tgt Ion: 63 Resp: 5499
 Ion Ratio Lower Upper
 63 100
 112 1.4 3.3 4.9#



#38
 Bromodichloromethane
 Concen: 0.922 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. -0.00 min
 Lab File: VV009467.D
 Acq: 04 Mar 2019 12:45

Tgt Ion: 83 Resp: 7432
 Ion Ratio Lower Upper
 83 100
 85 67.6 42.8 79.4
 127 8.9 6.2 9.4



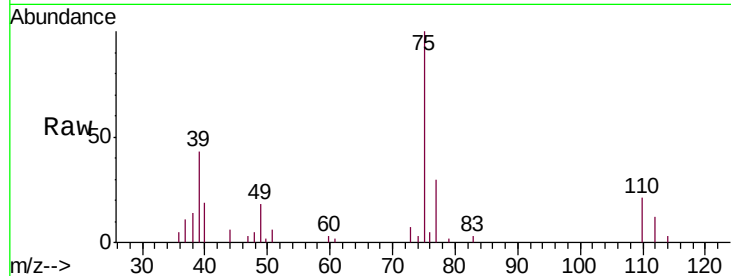


#39

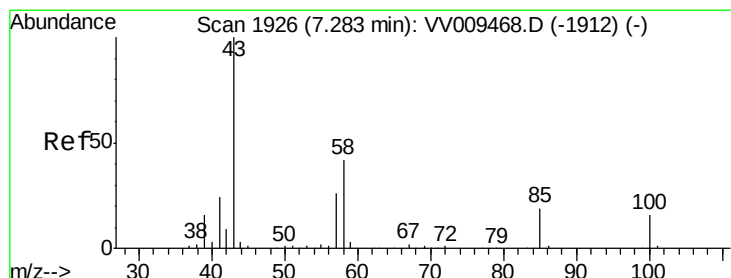
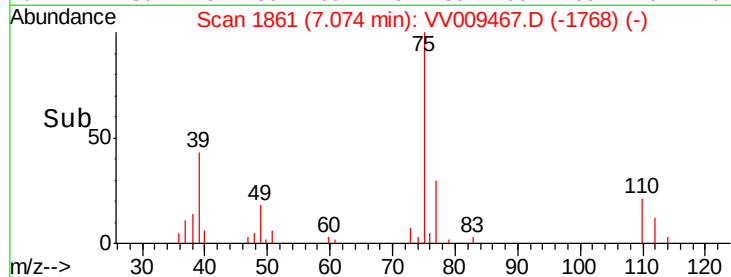
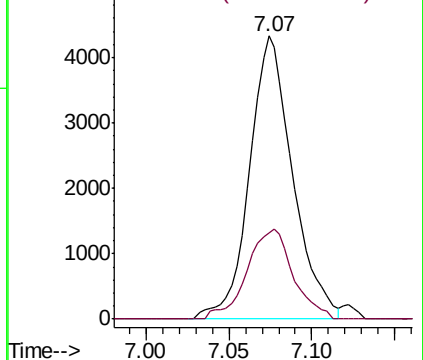
cis-1,3-Dichloropropene
 Concen: 0.854 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VV009467.D
 Acq: 04 Mar 2019 12:45

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00163

Tgt Ion: 75 Resp: 7855
 Ion Ratio Lower Upper
 75 100
 77 30.5 24.1 44.8



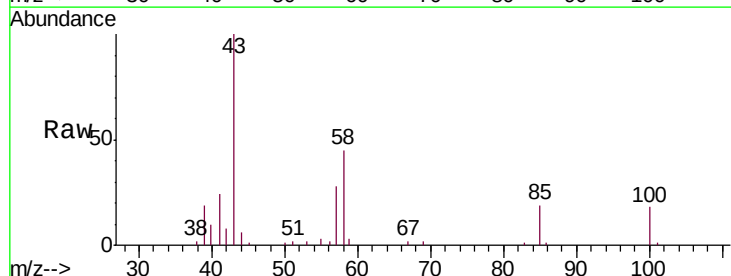
Abundance Ion 75.05 (74.75 to 75.75): VV009468.D (-1839) (-)
 Ion 77.05 (76.75 to 77.75): VV009468.D (-1839) (-)



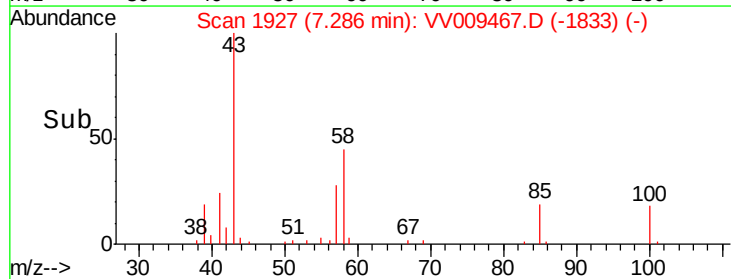
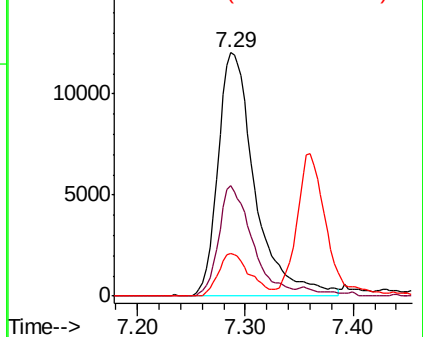
#40

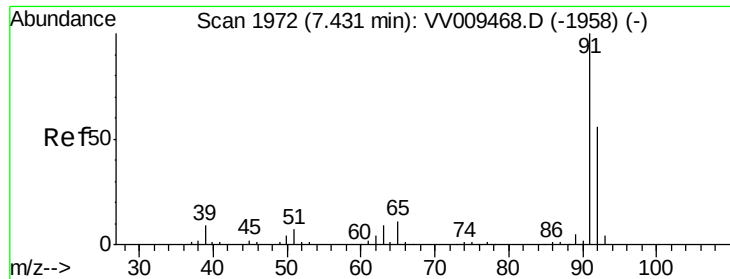
4-Methyl-2-pentanone
 Concen: 9.101 ug/L
 RT: 7.29 min Scan# 1927
 Delta R.T. 0.00 min
 Lab File: VV009467.D
 Acq: 04 Mar 2019 12:45

Tgt Ion: 43 Resp: 28679
 Ion Ratio Lower Upper
 43 100
 58 40.9 32.3 48.5
 100 14.9 12.0 18.0



Abundance Ion 43.05 (42.75 to 43.75): VV009468.D (-1912) (-)
 Ion 58.05 (57.75 to 58.75): VV009468.D (-1912) (-)
 Ion 100.15 (99.85 to 100.85): VV009468.D (-1912) (-)





#42

Toluene

Concen: 0.894 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV009467.D

Acq: 04 Mar 2019 12:45

Instrument :

MSVOA_V

ClientSampleId :

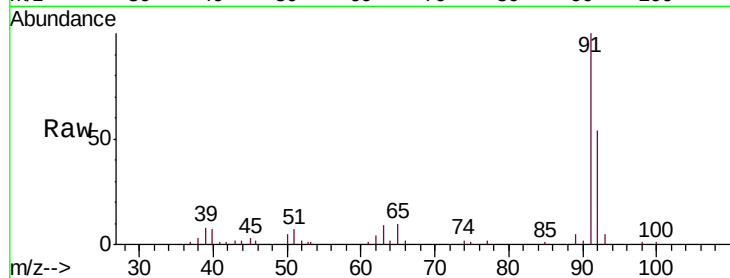
VSTD00163

Tgt Ion: 91 Resp: 24395

Ion Ratio Lower Upper

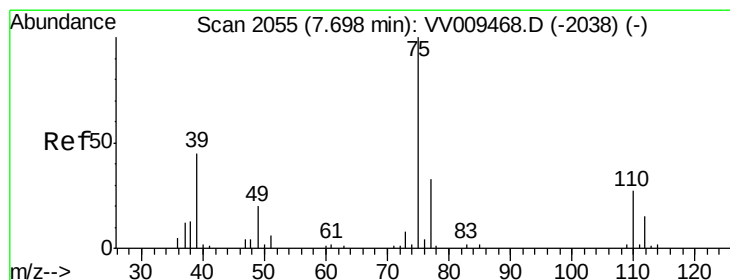
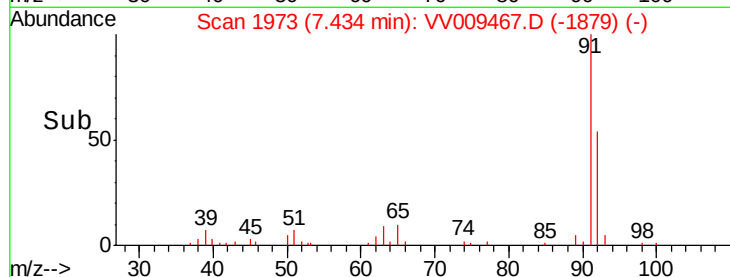
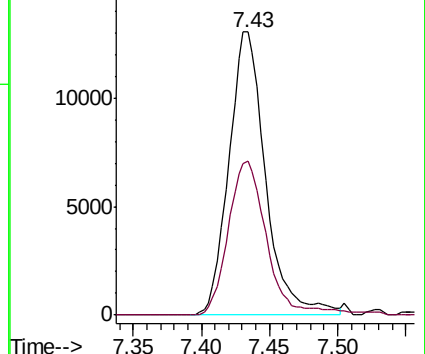
91 100

92 54.4 39.1 72.5



Abundance Ion 91.15 (90.85 to 91.85): VV009467.D (-1879) (-)

Ion 92.15 (91.85 to 92.85): VV009467.D (-1879) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.860 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. -0.00 min

Lab File: VV009467.D

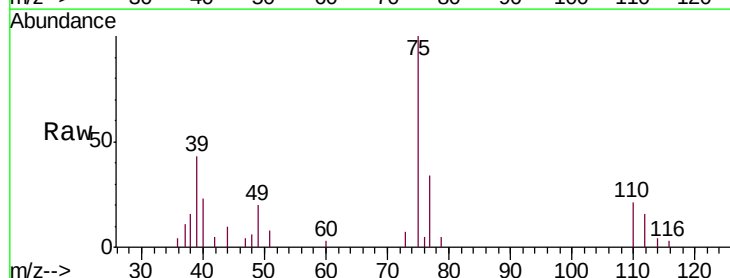
Acq: 04 Mar 2019 12:45

Tgt Ion: 75 Resp: 6153

Ion Ratio Lower Upper

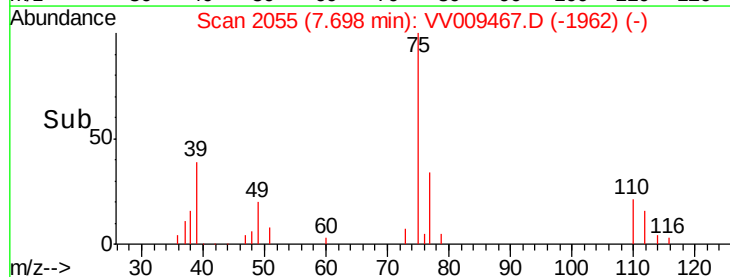
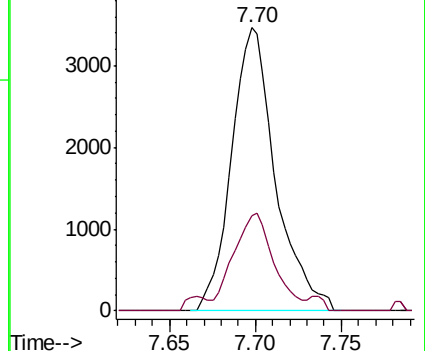
75 100

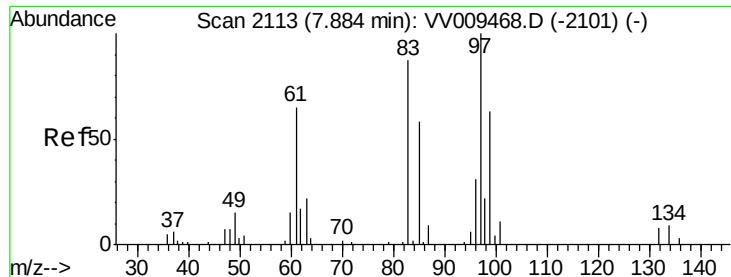
77 33.5 22.7 42.3



Abundance Ion 75.05 (74.75 to 75.75): VV009467.D (-1962) (-)

Ion 77.05 (76.75 to 77.75): VV009467.D (-1962) (-)

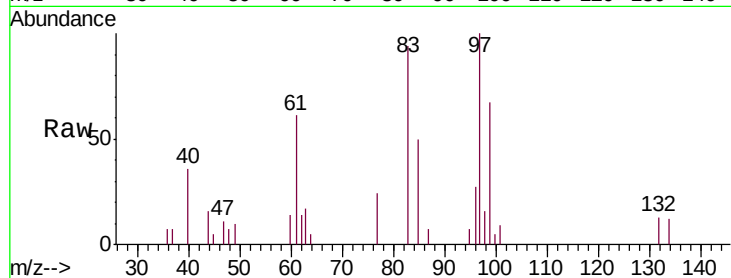




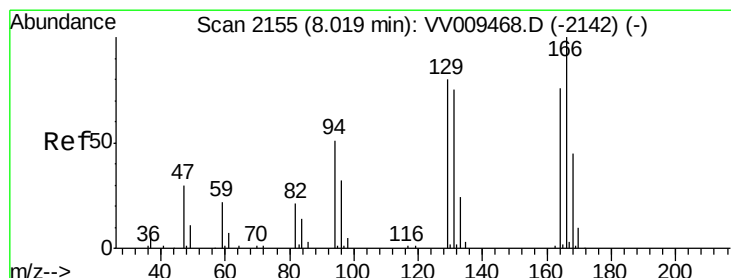
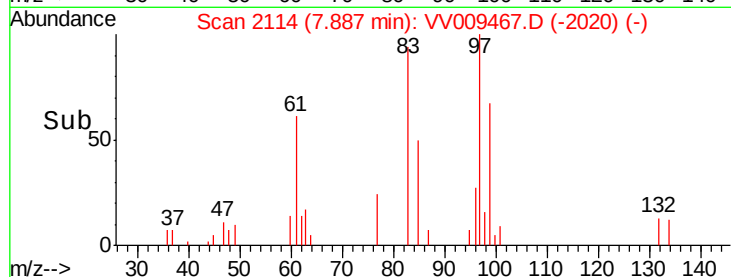
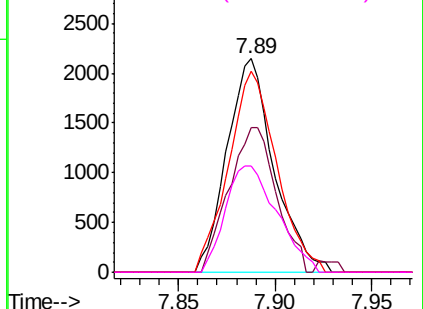
#45
 1,1,2-Trichloroethane
 Concen: 0.869 ug/L
 RT: 7.89 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VV009467.D
 Acq: 04 Mar 2019 12:45

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00163

Tgt Ion:	97	Resp:	3642
Ion	Ratio	Lower	Upper
97	100		
99	67.5	43.8	81.4
83	94.3	60.7	112.7
85	49.6	40.5	75.3

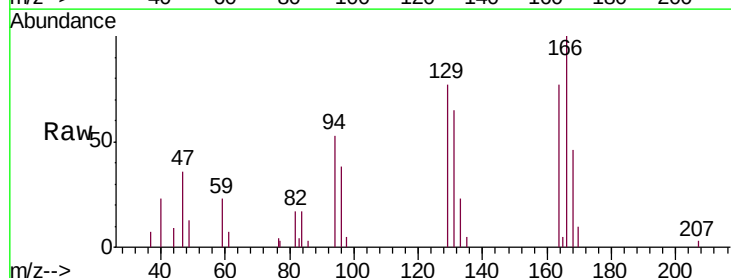


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

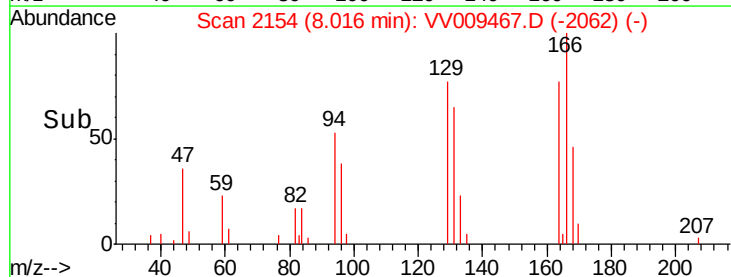
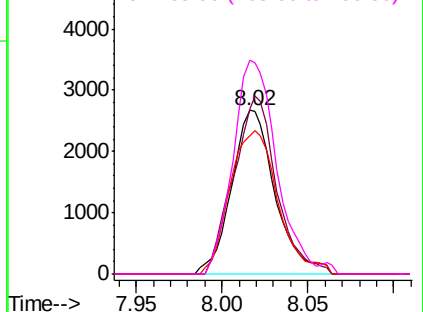


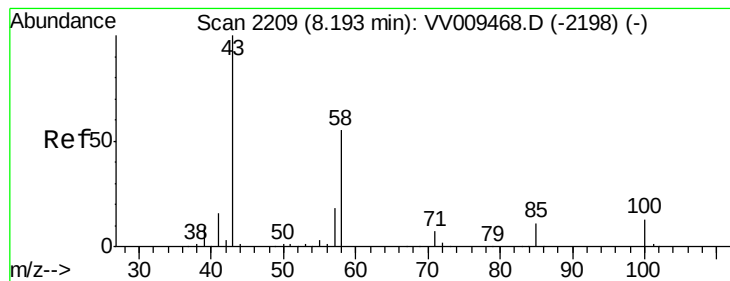
#47
 Tetrachloroethene
 Concen: 0.887 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV009467.D
 Acq: 04 Mar 2019 12:45

Tgt Ion:	164	Resp:	4703
Ion	Ratio	Lower	Upper
164	100		
129	100.6	73.6	136.8
131	84.2	68.4	127.0
166	130.4	91.8	170.4



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: 8.912 ug/L

RT: 8.20 min Scan# 2211

Delta R.T. 0.01 min

Lab File: VV009467.D

Acq: 04 Mar 2019 12:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD00163

Tgt Ion: 43 Resp: 18849

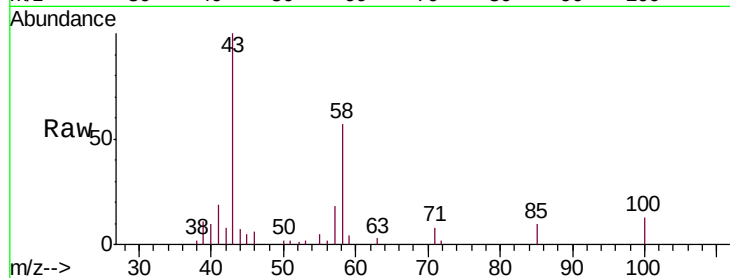
Ion Ratio Lower Upper

43 100

58 55.1 43.4 65.0

57 21.0 15.0 22.4

100 13.9 9.6 14.4

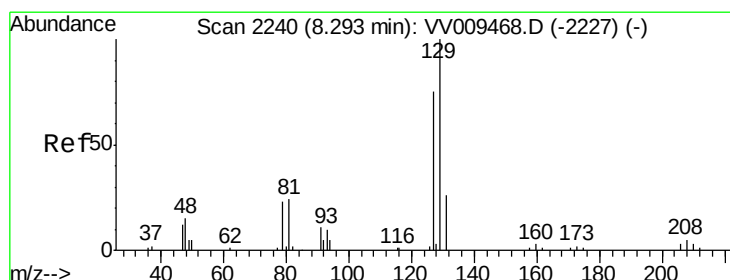
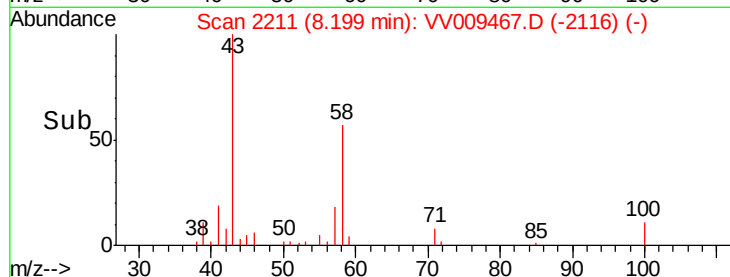
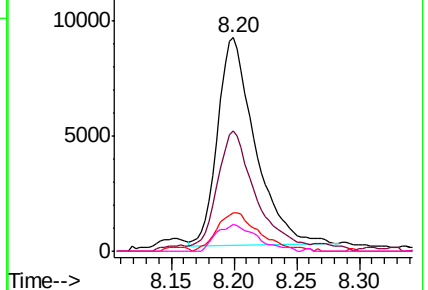


Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0



#49

Dibromochloromethane

Concen: 0.815 ug/L

RT: 8.29 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VV009467.D

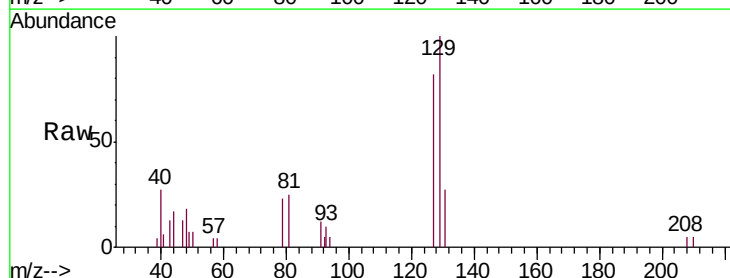
Acq: 04 Mar 2019 12:45

Tgt Ion: 129 Resp: 4456

Ion Ratio Lower Upper

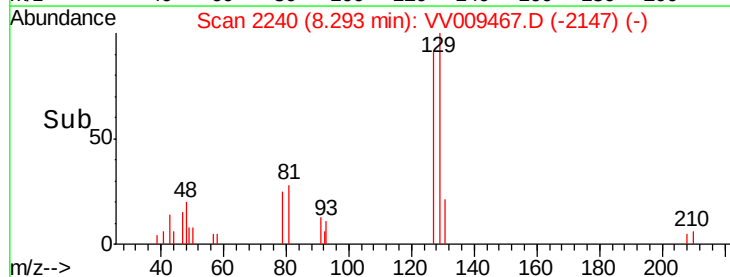
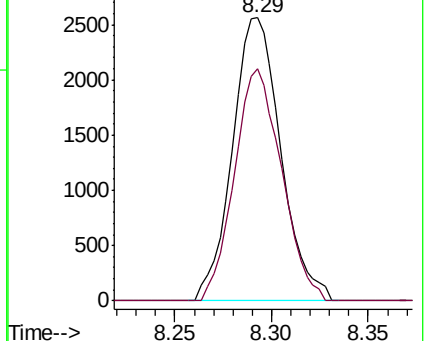
129 100

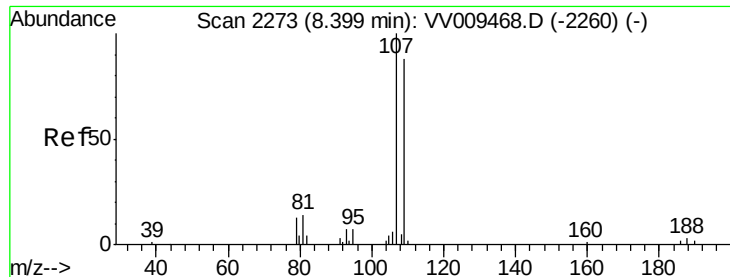
127 82.2 52.4 97.4



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

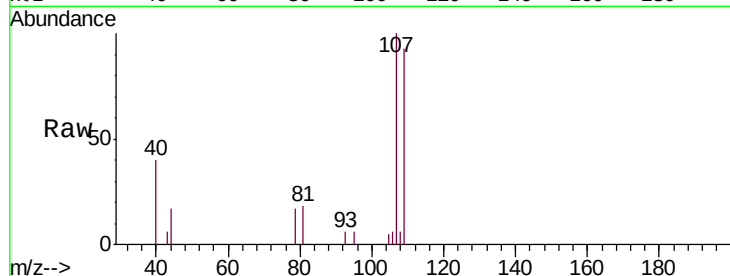




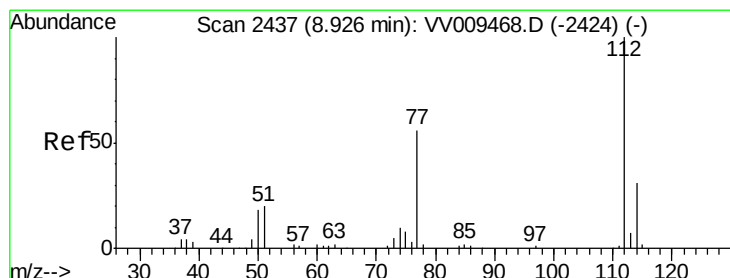
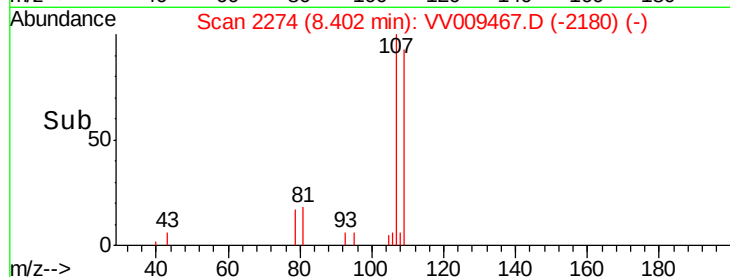
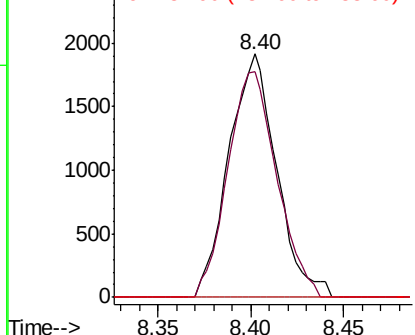
#50
1,2-Dibromoethane
Concen: 0.860 ug/L
RT: 8.40 min Scan# 2274
Delta R.T. 0.00 min
Lab File: VV009467.D
Acq: 04 Mar 2019 12:45

Instrument :
MSVOA_V
ClientSampleId :
VSTD00163

Tgt Ion:107 Resp: 3437
Ion Ratio Lower Upper
107 100
109 92.9 61.8 114.8
188 0.0 2.4 3.6#

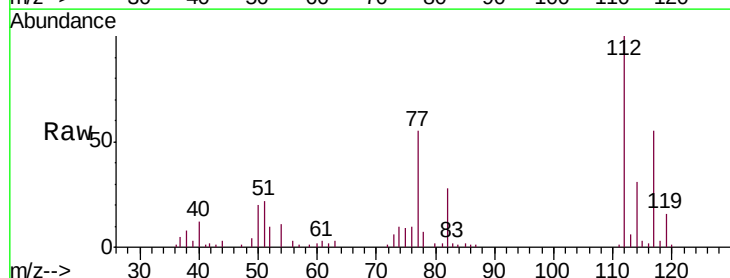


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

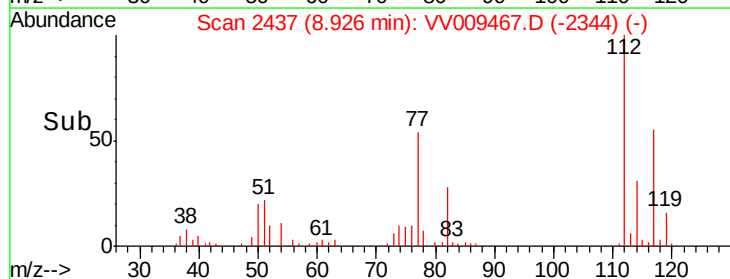
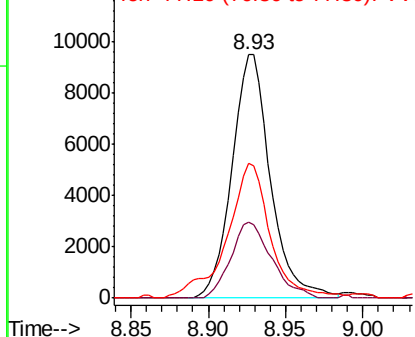


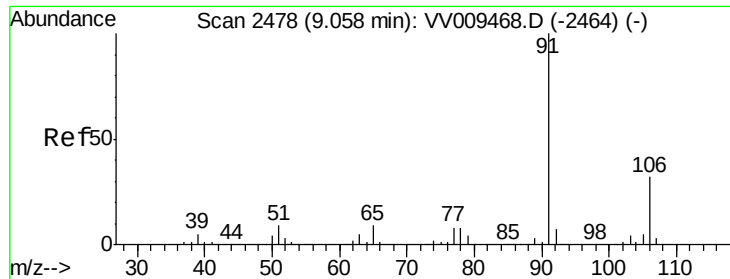
#51
Chlorobenzene
Concen: 0.922 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. -0.00 min
Lab File: VV009467.D
Acq: 04 Mar 2019 12:45

Tgt Ion:112 Resp: 16392
Ion Ratio Lower Upper
112 100
114 31.4 21.8 40.4
77 55.4 45.0 67.4



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): VV0





#52

Ethylbenzene

Concen: 0.915 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. -0.00 min

Lab File: VV009467.D

Acq: 04 Mar 2019 12:45

Instrument :

MSVOA_V

ClientSampleId :

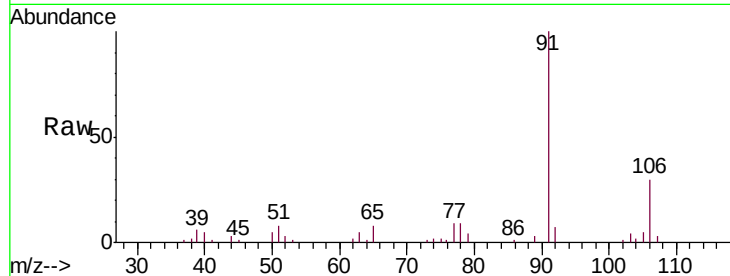
VSTD00163

Tgt Ion: 91 Resp: 28465

Ion Ratio Lower Upper

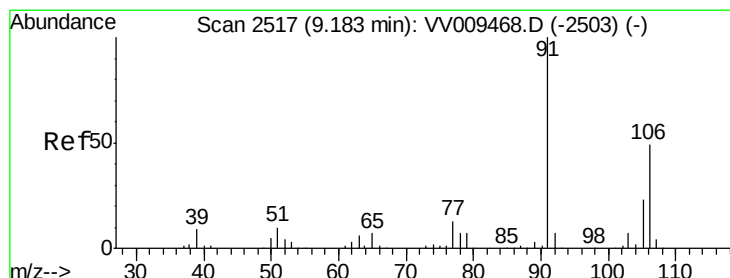
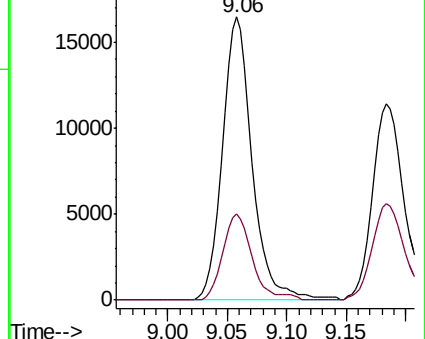
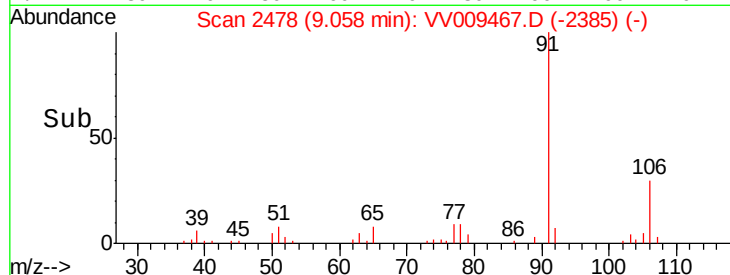
91 100

106 30.5 22.7 42.1



Abundance Ion 91.15 (90.85 to 91.85): VV009467.D (-2385) (-)

Ion 106.15 (105.85 to 106.85): VV009467.D (-2385) (-)



#53

m,p-xylene

Concen: 0.884 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV009467.D

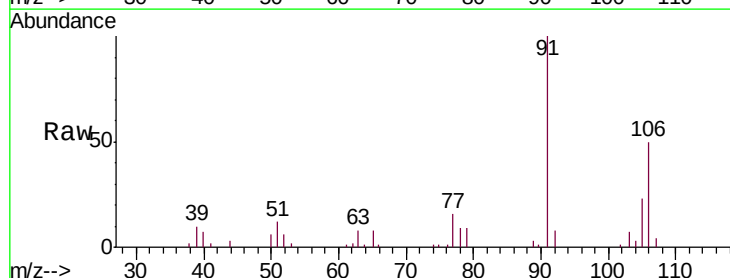
Acq: 04 Mar 2019 12:45

Tgt Ion: 106 Resp: 10737

Ion Ratio Lower Upper

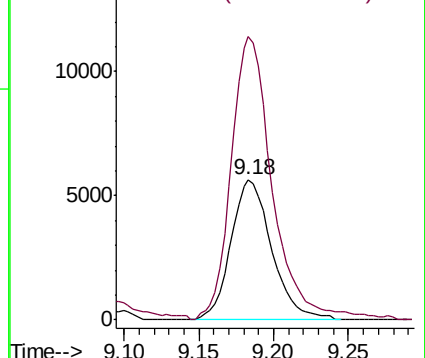
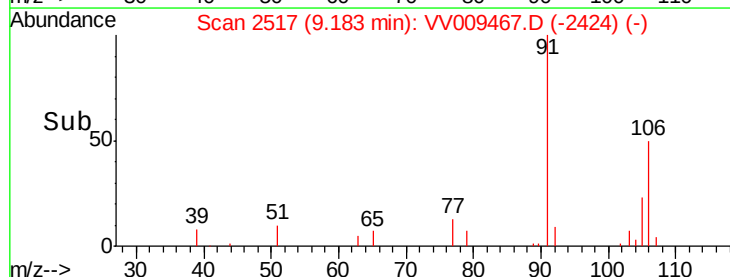
106 100

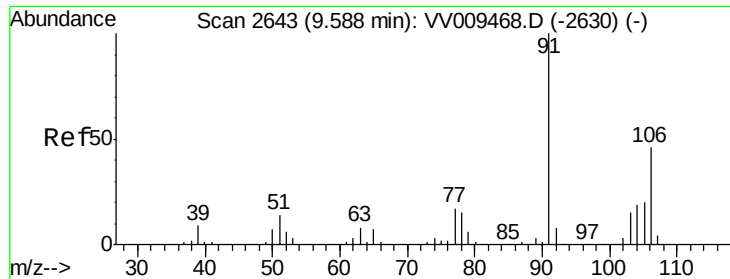
91 201.8 143.2 266.0



Abundance Ion 106.15 (105.85 to 106.85): VV009467.D (-2424) (-)

Ion 91.15 (90.85 to 91.85): VV009467.D (-2424) (-)





#54

o-xylene

Concen: 0.852 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. -0.00 min

Lab File: VV009467.D

Acq: 04 Mar 2019 12:45

Instrument :

MSVOA_V

ClientSampleId :

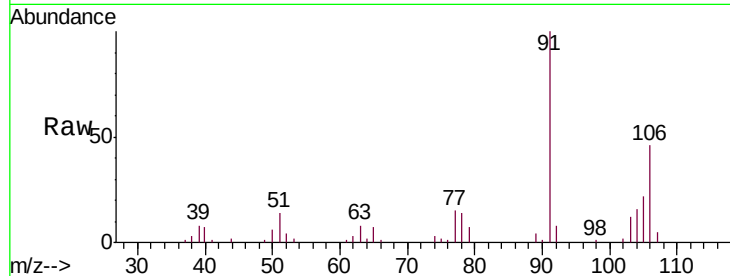
VSTD00163

Tgt Ion:106 Resp: 10008

Ion Ratio Lower Upper

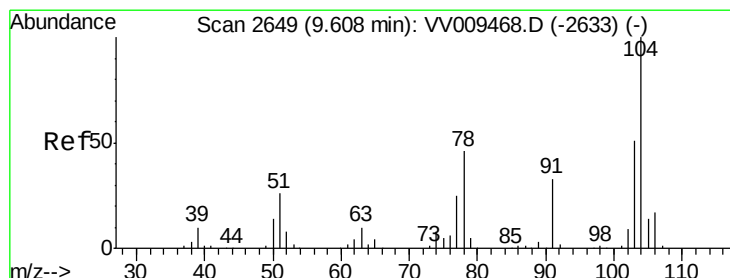
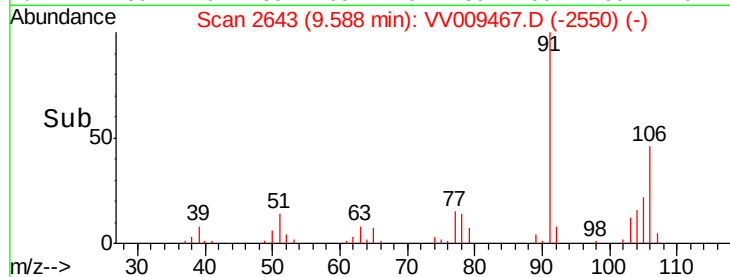
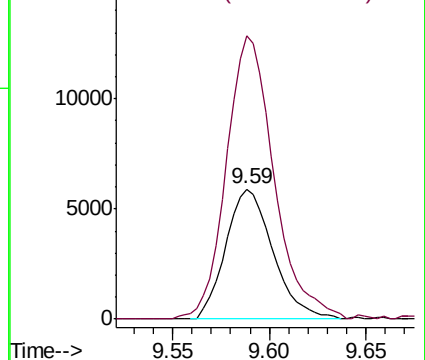
106 100

91 217.2 152.9 283.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 0.857 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. -0.00 min

Lab File: VV009467.D

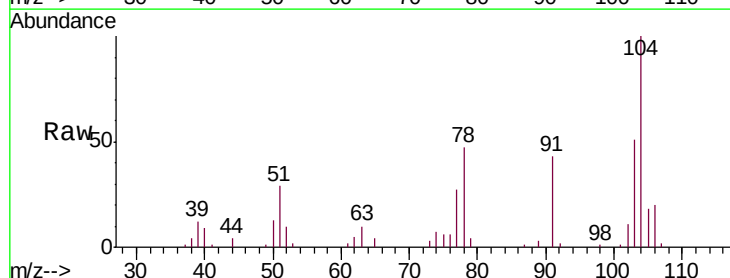
Acq: 04 Mar 2019 12:45

Tgt Ion:104 Resp: 16386

Ion Ratio Lower Upper

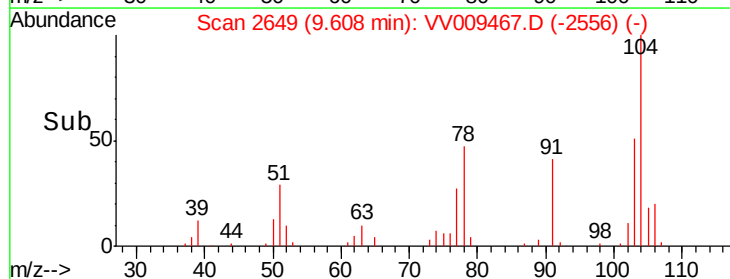
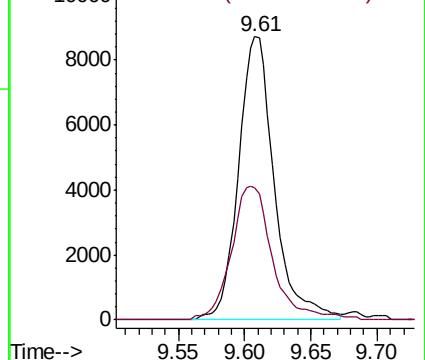
104 100

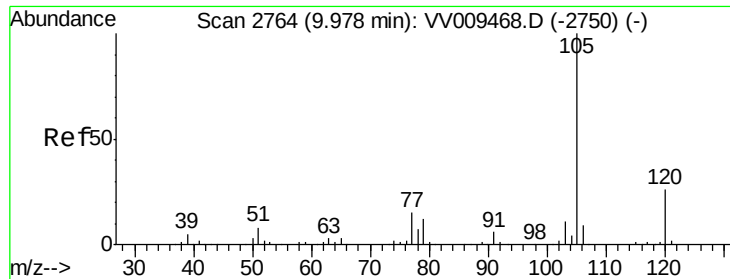
78 46.6 32.2 59.8



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 0.886 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. -0.00 min

Lab File: VV009467.D

Acq: 04 Mar 2019 12:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD00163

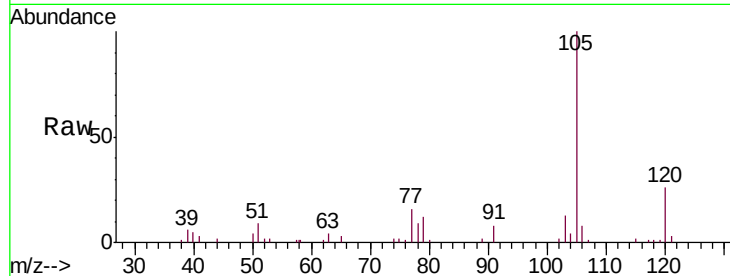
Tgt Ion:105 Resp: 27867

Ion Ratio Lower Upper

105 100

120 26.5 21.4 32.2

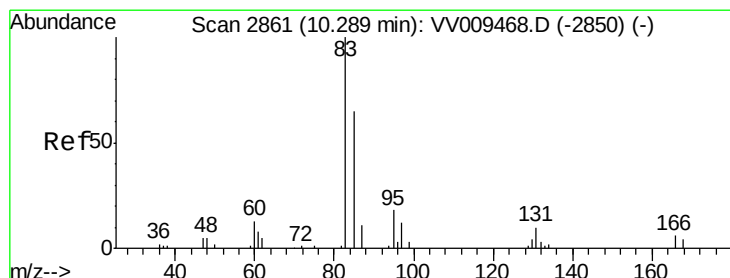
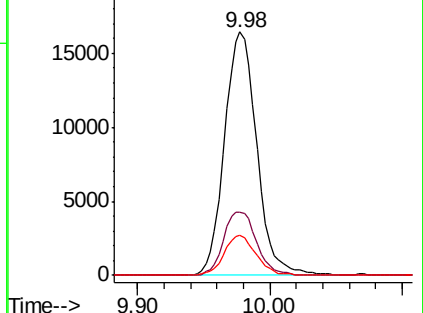
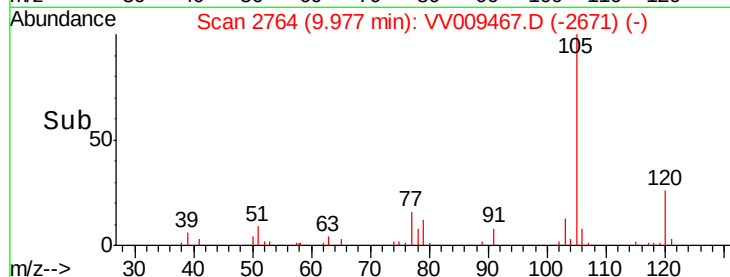
77 16.2 12.6 19.0



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: 0.954 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. -0.00 min

Lab File: VV009467.D

Acq: 04 Mar 2019 12:45

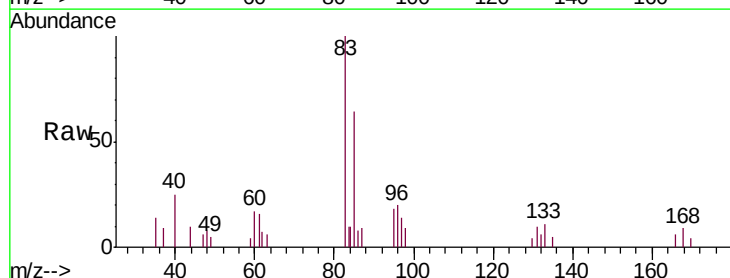
Tgt Ion: 83 Resp: 4786

Ion Ratio Lower Upper

83 100

85 64.3 45.8 85.2

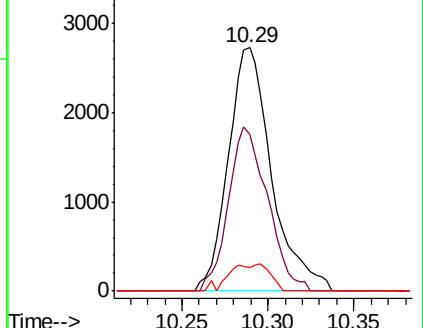
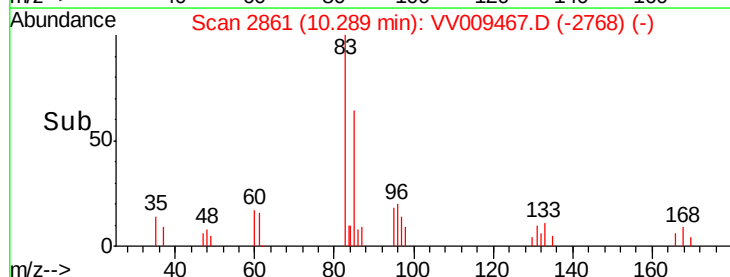
131 9.6 9.0 13.4

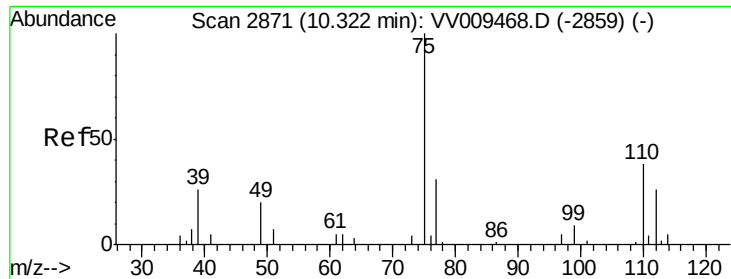


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 0.905 ug/L

RT: 10.32 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VV009467.D

Acq: 04 Mar 2019 12:45

Instrument :

MSVOA_V

ClientSampleId :

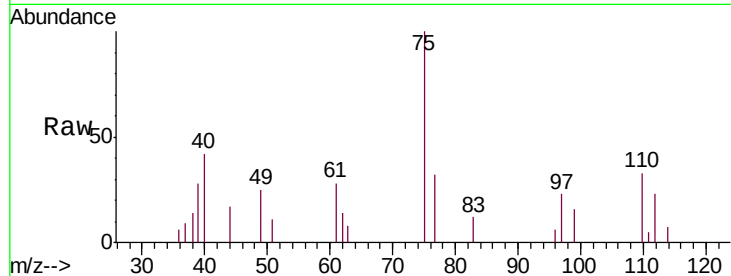
VSTD00163

Tgt Ion: 75 Resp: 3108

Ion Ratio Lower Upper

75 100

77 35.0 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VV009468.D (-2859) (-)

Ion 77.00 (76.70 to 77.70): VV009468.D (-2859) (-)

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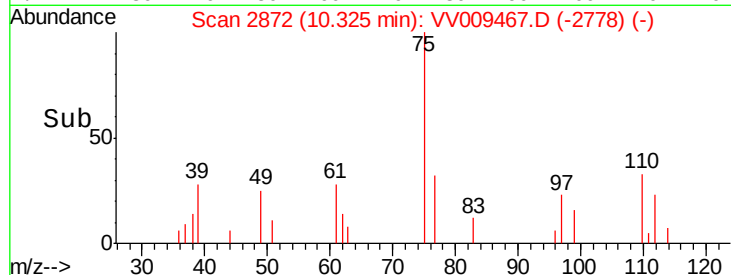
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Abundance Ion 75.00 (74.70 to 75.70): VV009468.D (-2859) (-)

Ion 77.00 (76.70 to 77.70): VV009468.D (-2859) (-)

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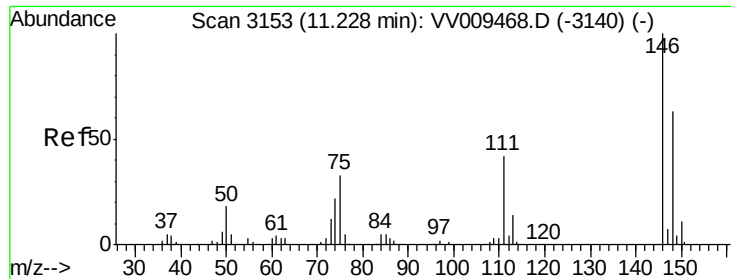
10.32

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10.32



#62

1,3-Dichlorobenzene

Concen: 0.911 ug/L

RT: 11.23 min Scan# 3154

Delta R.T. 0.00 min

Lab File: VV009467.D

Acq: 04 Mar 2019 12:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD00163

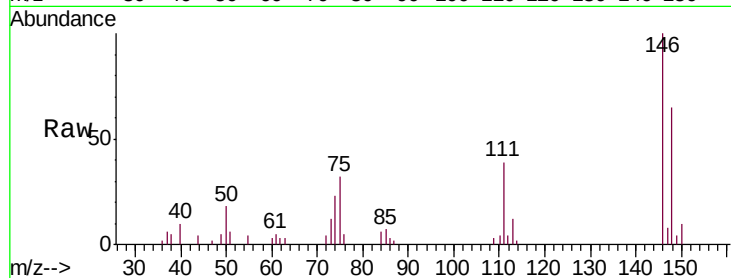
Tgt Ion:146 Resp: 12522

Ion Ratio Lower Upper

146 100

111 39.5 29.7 55.1

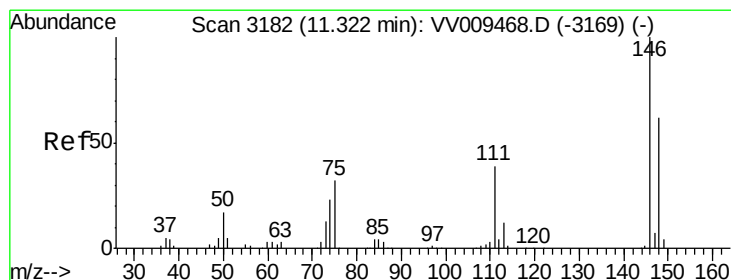
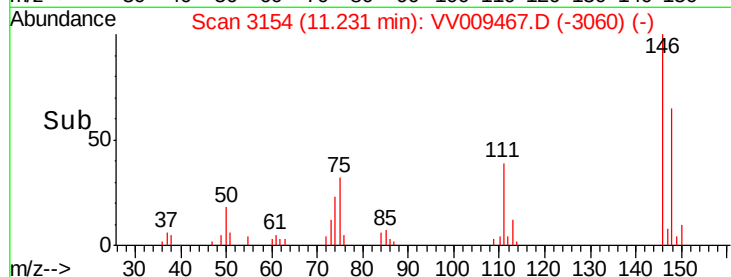
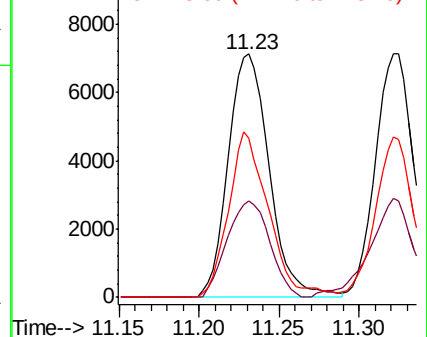
148 65.2 44.2 82.0



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: 0.925 ug/L

RT: 11.32 min Scan# 3183

Delta R.T. 0.00 min

Lab File: VV009467.D

Acq: 04 Mar 2019 12:45

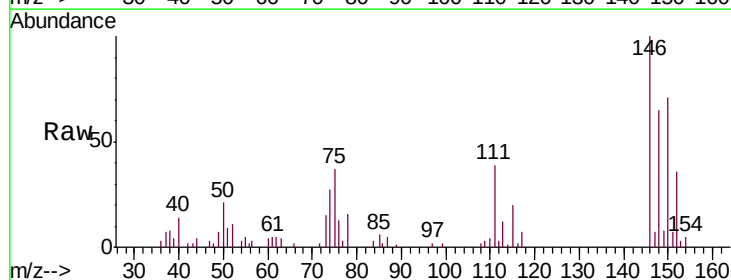
Tgt Ion:146 Resp: 12547

Ion Ratio Lower Upper

146 100

111 39.5 27.4 51.0

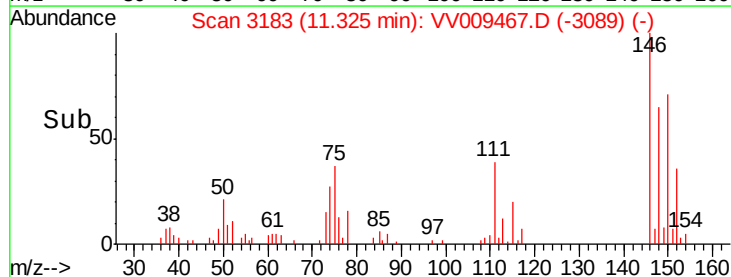
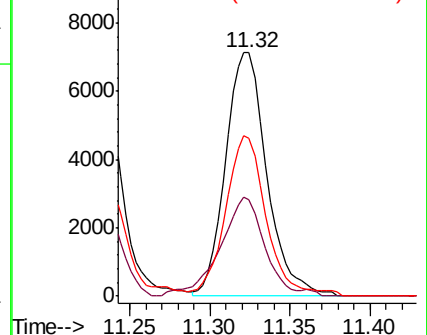
148 65.0 43.6 81.0

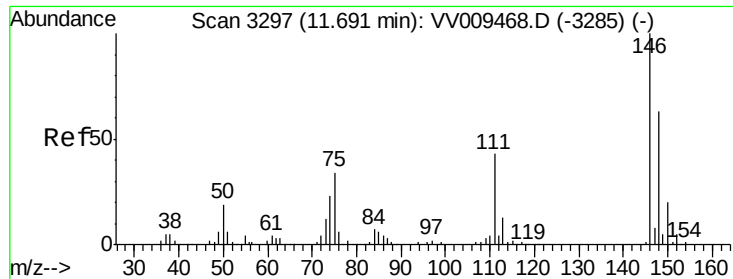


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

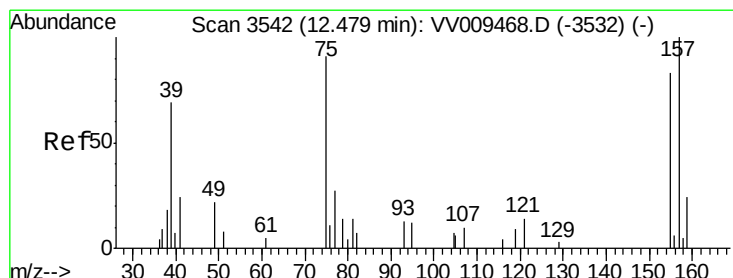
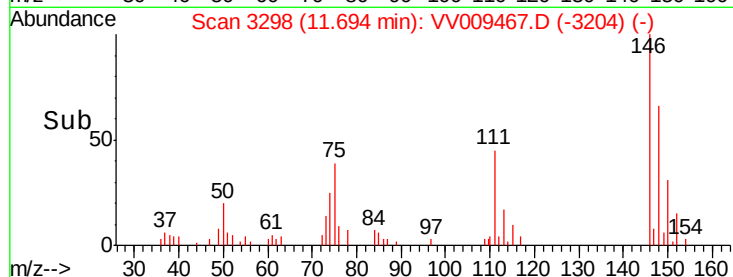
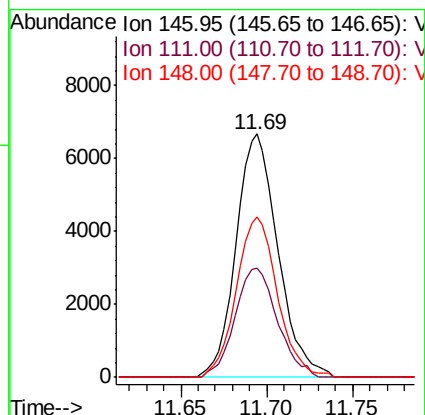
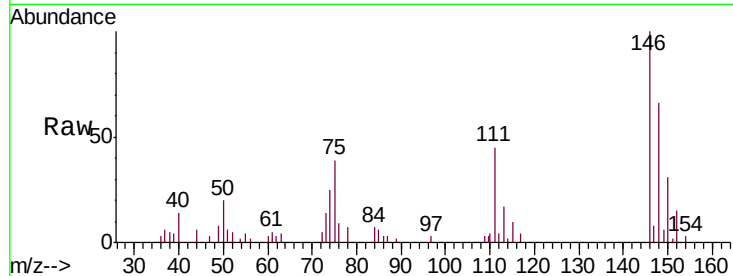




#65
 1,2-Dichlorobenzene
 Concen: 0.908 ug/L
 RT: 11.69 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VV009467.D
 Acq: 04 Mar 2019 12:45

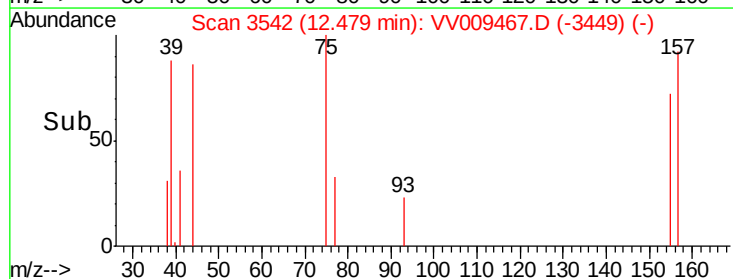
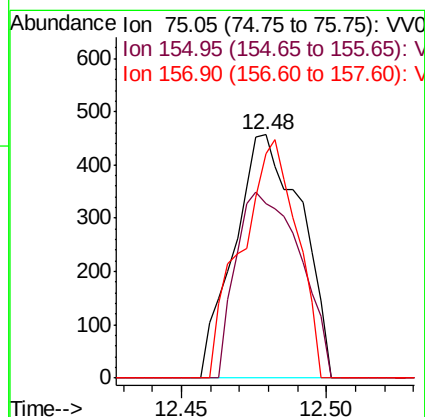
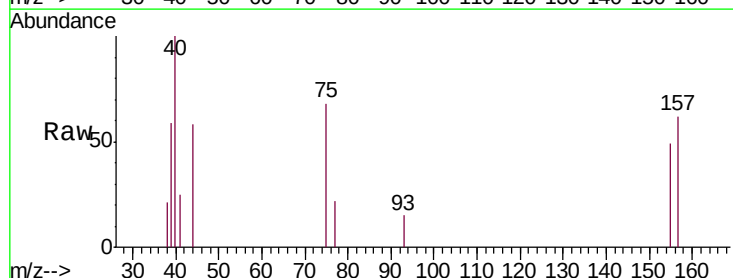
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00163

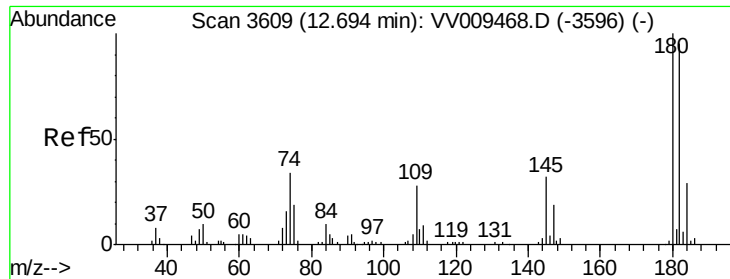
Tgt Ion: 146 Resp: 11321
 Ion Ratio Lower Upper
 146 100
 111 45.0 34.7 52.1
 148 65.8 50.6 76.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.928 ug/L
 RT: 12.48 min Scan# 3542
 Delta R.T. -0.00 min
 Lab File: VV009467.D
 Acq: 04 Mar 2019 12:45

Tgt Ion: 75 Resp: 733
 Ion Ratio Lower Upper
 75 100
 155 71.8 73.5 110.3#
 157 92.3 88.3 132.5

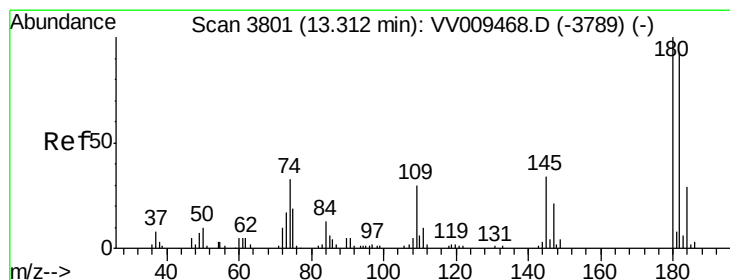
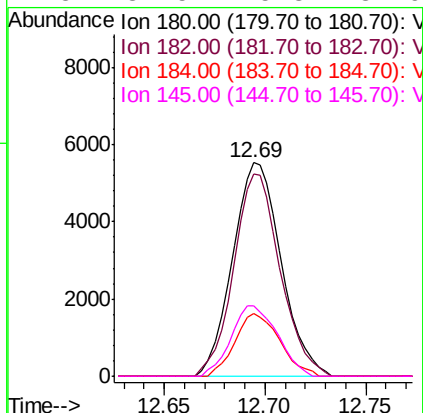
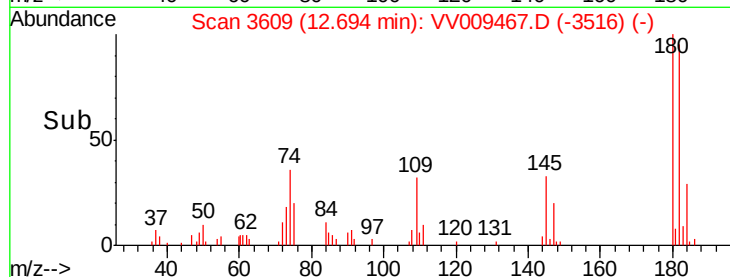
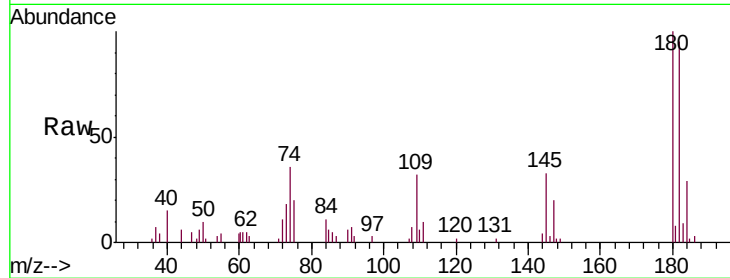




#67
 1,3,5-Trichlorobenzene
 Concen: 0.945 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VV009467.D
 Acq: 04 Mar 2019 12:45

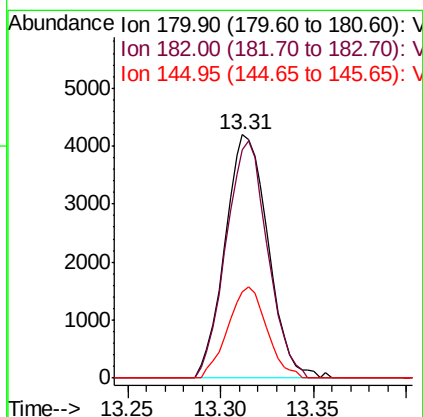
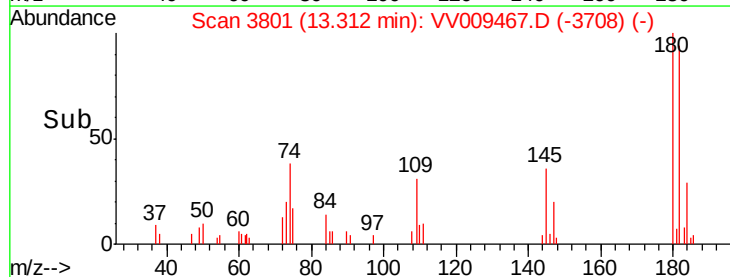
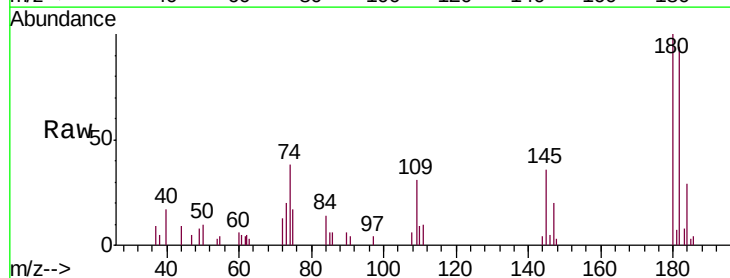
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00163

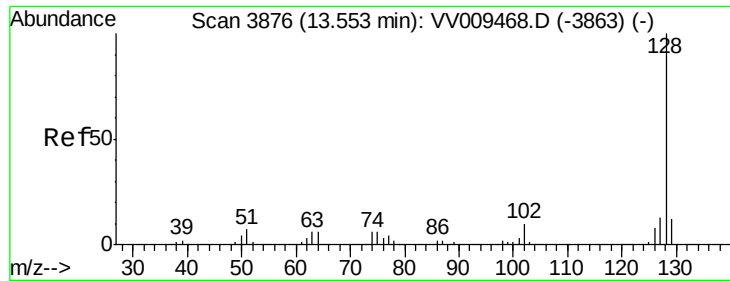
Tgt Ion:180 Resp: 9291
 Ion Ratio Lower Upper
 180 100
 182 91.1 75.0 112.6
 184 27.3 23.9 35.9
 145 31.5 25.3 37.9



#68
 1,2,4-trichlorobenzene
 Concen: 0.905 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. -0.00 min
 Lab File: VV009467.D
 Acq: 04 Mar 2019 12:45

Tgt Ion:180 Resp: 6772
 Ion Ratio Lower Upper
 180 100
 182 94.1 75.2 112.8
 145 33.7 26.6 39.8





#69

Naphthalene

Concen: 0.874 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. 0.00 min

Lab File: VV009467.D

Acq: 04 Mar 2019 12:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD00163

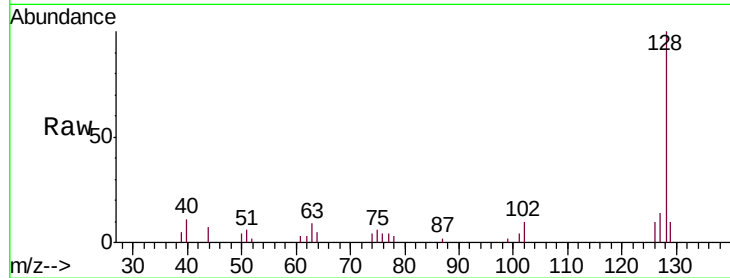
Tgt Ion:128 Resp: 10947

Ion Ratio Lower Upper

128 100

129 9.8 8.9 13.3

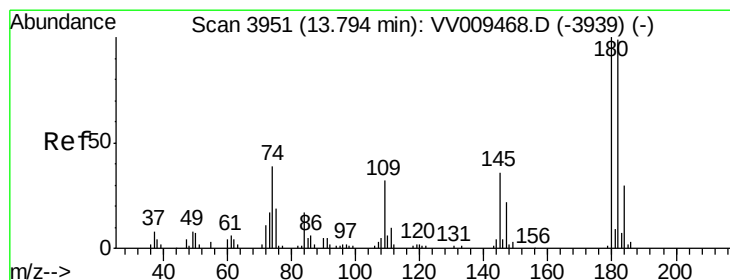
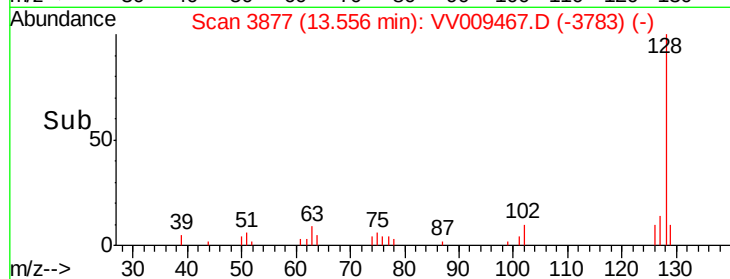
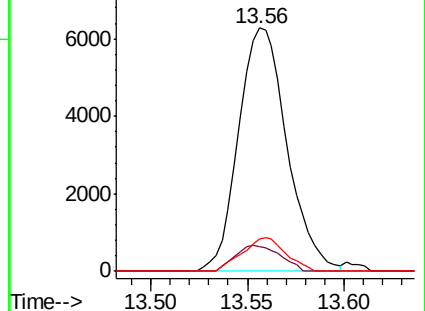
127 12.6 10.4 15.6



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: 0.870 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. 0.00 min

Lab File: VV009467.D

Acq: 04 Mar 2019 12:45

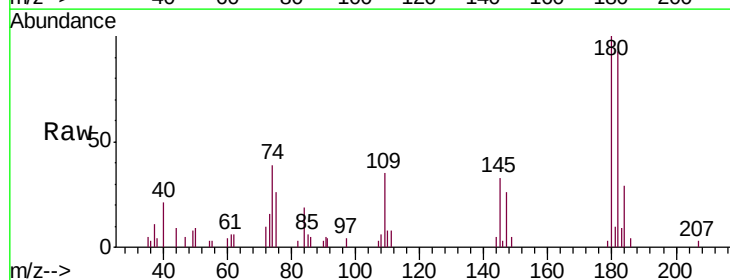
Tgt Ion:180 Resp: 5959

Ion Ratio Lower Upper

180 100

182 99.0 76.8 115.2

145 37.3 28.2 42.2



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

