

Data File : VV009470.D
Acq On : 04 Mar 2019 14:02
Operator : SY/MD
Sample : VSTD02066
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02066

Quant Time: Mar 05 03:50:40 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	110876	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	108569	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	55279	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	151359	24.84	ug/L	0.00
7) Chloroethane-d5	1.58	69	125667	23.06	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	379761	24.77	ug/L	0.00
20) 2-Butanone-d5	3.98	46	287186	252.11	ug/L	0.00
24) Chloroform-d	4.40	84	273185	23.50	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	132676	23.14	ug/L	0.00
32) Benzene-d6	5.10	84	550613	23.19	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	159315	22.16	ug/L	0.00
41) Toluene-d8	7.36	98	562666	23.29	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	74234	23.42	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	250981	245.79	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	130317	23.46	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	201635	22.54	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	144475	21.184	ug/L	96
3) Chloromethane	1.25	50	157753	21.764	ug/L	98
5) Vinyl chloride	1.32	62	177561	22.202	ug/L	99
6) Bromomethane	1.54	94	114650	21.218	ug/L	98
8) Chloroethane	1.60	64	117040	22.090	ug/L	99
9) Trichlorofluoromethane	1.77	101	448553	26.546	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	198358	23.799	ug/L	99
12) 1,1-Dichloroethene	2.14	96	173775	23.569	ug/L	95
13) Acetone	2.23	43	250762	234.701	ug/L #	50
14) Carbon disulfide	2.32	76	554626	22.963	ug/L	99
15) Methyl Acetate	2.48	43	64397	23.232	ug/L	97
16) Methylene chloride	2.54	84	173493	21.175	ug/L	99
17) Methyl tert-butyl Ether	2.81	73	440298	23.316	ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	186105	23.131	ug/L	95
19) 1,1-Dichloroethane	3.23	63	256711	24.203	ug/L	98
21) 2-Butanone	4.06	43	318562	238.666	ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	162738	21.751	ug/L	97
23) Bromochloromethane	4.30	128	67463	22.551	ug/L	98
25) Chloroform	4.43	83	287366	22.239	ug/L	99
27) 1,2-Dichloroethane	5.18	62	176072	23.128	ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	271340	22.024	ug/L	99
30) Cyclohexane	4.72	56	249059	20.954	ug/L	98
31) Carbon tetrachloride	4.87	117	240931	23.675	ug/L	99
33) Benzene	5.15	78	638860	22.613	ug/L	100
34) Trichloroethene	5.96	95	178168	22.077	ug/L	97
35) Methylcyclohexane	6.17	83	288981	21.695	ug/L	98
37) 1,2-Dichloropropane	6.23	63	155796	22.443	ug/L	100
38) Bromodichloromethane	6.56	83	221602	23.050	ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	255764	23.332	ug/L	97
40) 4-Methyl-2-pentanone	7.28	43	854912	227.509	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	744798	22.881	ug/L	97
44) trans-1,3-Dichloropropene	7.69	75	211420	24.779	ug/L	98
45) 1,1,2-Trichloroethane	7.88	97	113565	22.733	ug/L	99
47) Tetrachloroethene	8.02	164	138556	21.917	ug/L	98
48) 2-Hexanone	8.19	43	614926	243.829	ug/L	95
49) Dibromochloromethane	8.29	129	155297	23.810	ug/L	96
50) 1,2-Dibromoethane	8.40	107	111131	23.311	ug/L	93
51) Chlorobenzene	8.93	112	490827	23.146	ug/L	99
52) Ethylbenzene	9.06	91	852588	22.993	ug/L	100
53) m,p-xylene	9.18	106	333813	23.043	ug/L	99
54) o-xylene	9.59	106	329170	23.511	ug/L	94
55) Styrene	9.61	104	542990	23.822	ug/L	99
56) Isopropylbenzene	9.98	105	875625	23.347	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	140045	23.405	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	96118	23.462	ug/L	99
61) Bromoform	9.78	173	82702	24.032	ug/L	97
62) 1,3-Dichlorobenzene	11.23	146	388755	22.295	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	385133	22.405	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	354657	22.428	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	23789	23.748	ug/L	91
67) 1,3,5-Trichlorobenzene	12.69	180	282300	22.650	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	237261	25.014	ug/L	99
69) Naphthalene	13.55	128	412460	25.962	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	212141	24.420	ug/L	99

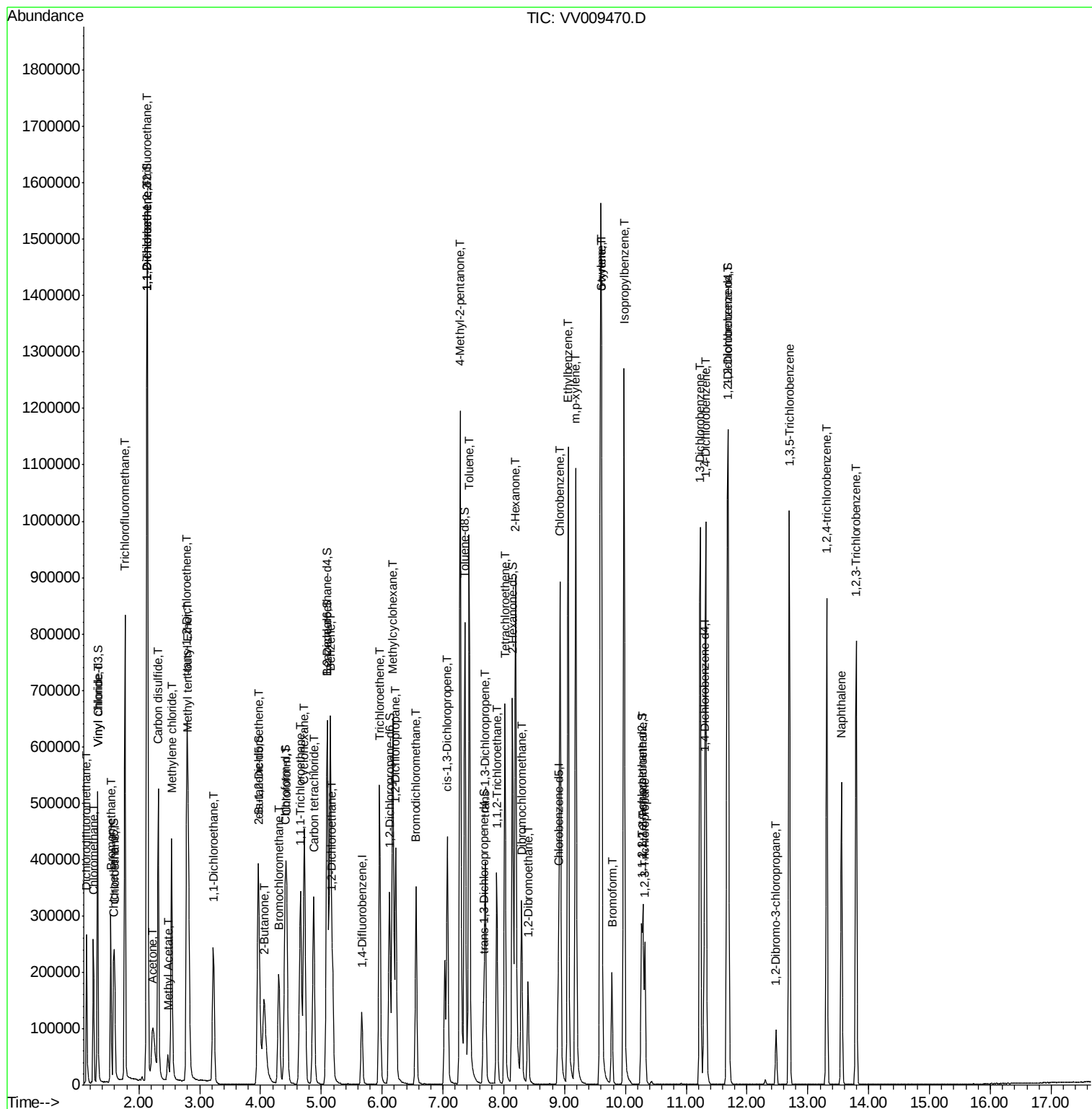
(#) = qualifier out of range (m) = manual integration (+) = signals summed

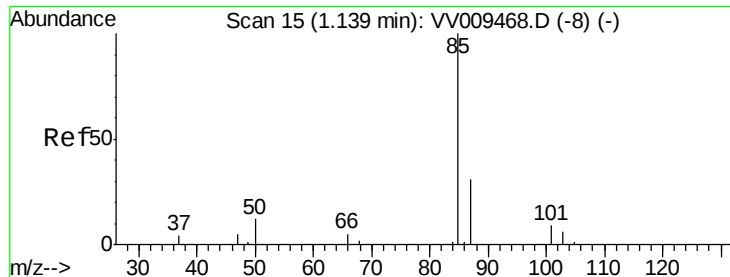
Data File : VV009470.D

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#2

Dichlorodifluoromethane

Concen: 21.184 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV009470.D

Acq: 04 Mar 2019 14:02

Instrument :

MSVOA_V

ClientSampleId :

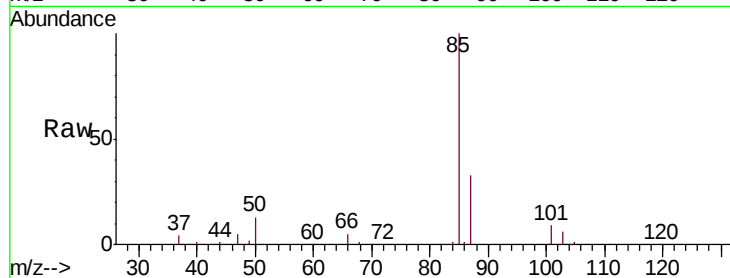
VSTD02066

Tgt Ion: 85 Resp: 144475

Ion Ratio Lower Upper

85 100

87 32.8 24.4 36.6



Abundance Ion 85.00 (84.70 to 85.70): VV009470.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV009470.D (-1) (-)

1.14

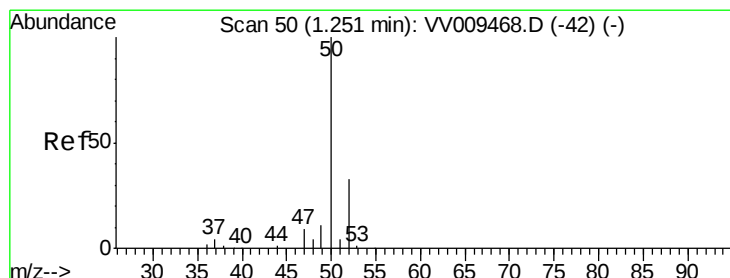
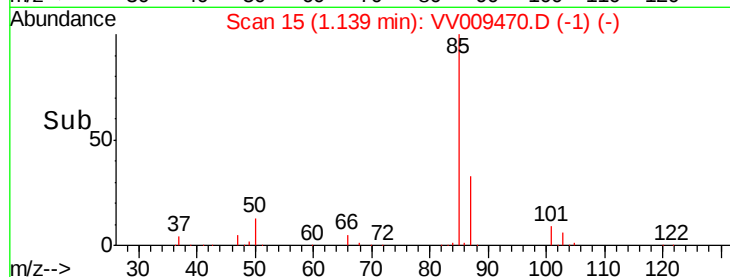
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 21.764 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV009470.D

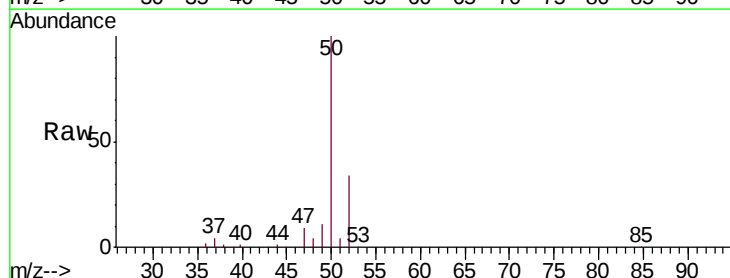
Acq: 04 Mar 2019 14:02

Tgt Ion: 50 Resp: 157753

Ion Ratio Lower Upper

50 100

52 33.6 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV009470.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VV009470.D (-1) (-)

1.25

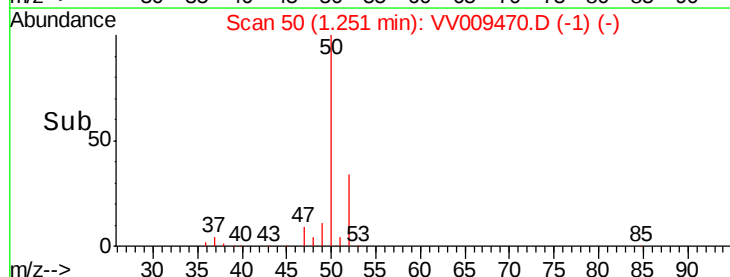
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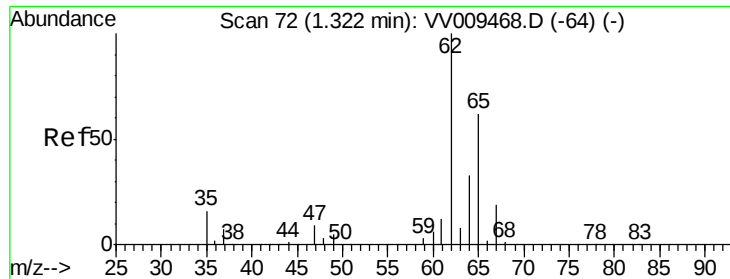
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 22.202 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV009470.D

Acq: 04 Mar 2019 14:02

Instrument :

MSVOA_V

ClientSampleId :

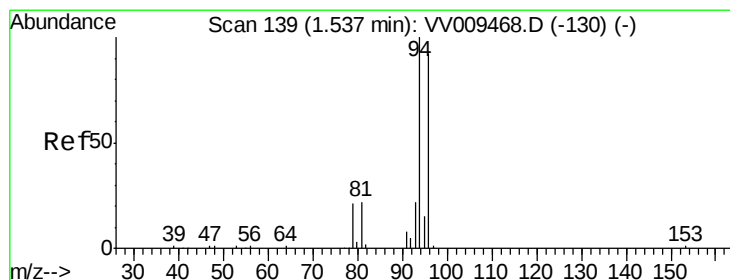
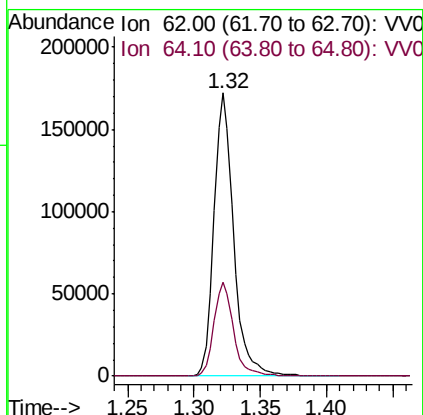
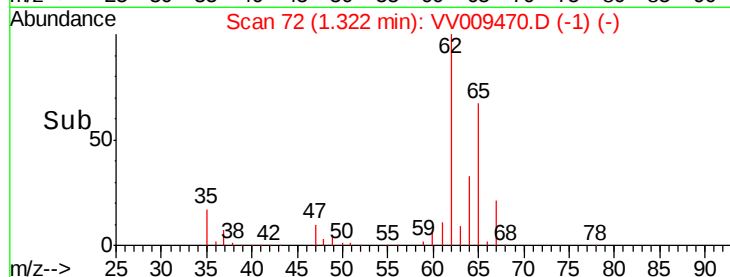
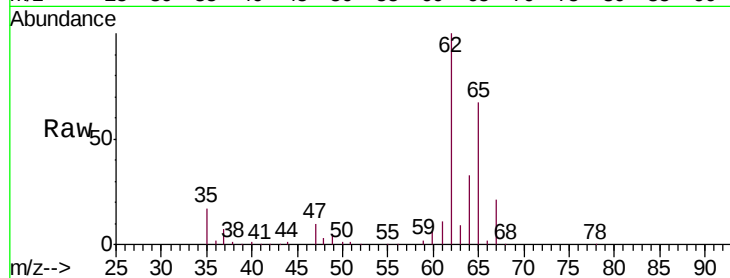
VSTD02066

Tgt Ion: 62 Resp: 177561

Ion Ratio Lower Upper

62 100

64 33.3 22.7 42.3



#6

Bromomethane

Concen: 21.218 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV009470.D

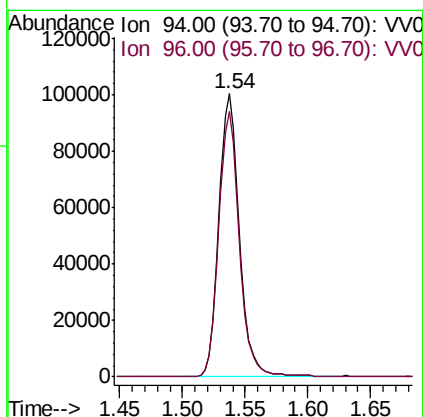
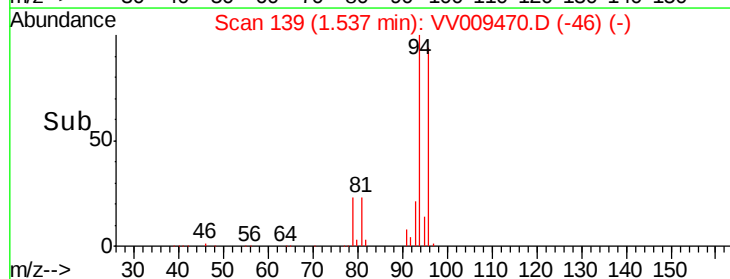
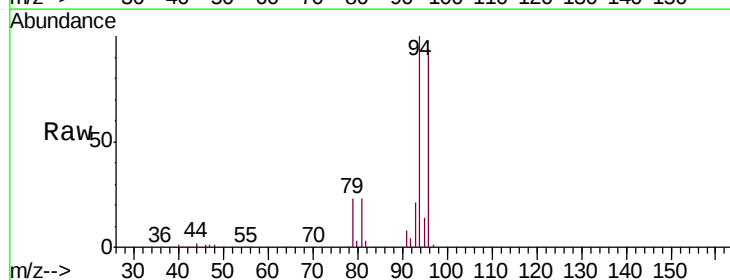
Acq: 04 Mar 2019 14:02

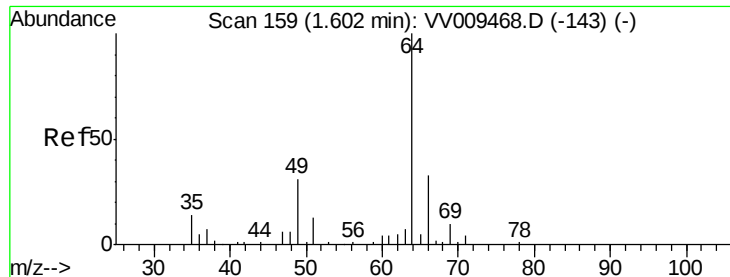
Tgt Ion: 94 Resp: 114650

Ion Ratio Lower Upper

94 100

96 93.9 64.6 120.0





#8

Chloroethane

Concen: 22.090 ug/L

RT: 1.60 min Scan# 159

Delta R.T. -0.00 min

Lab File: VV009470.D

Acq: 04 Mar 2019 14:02

Instrument :

MSVOA_V

ClientSampled :

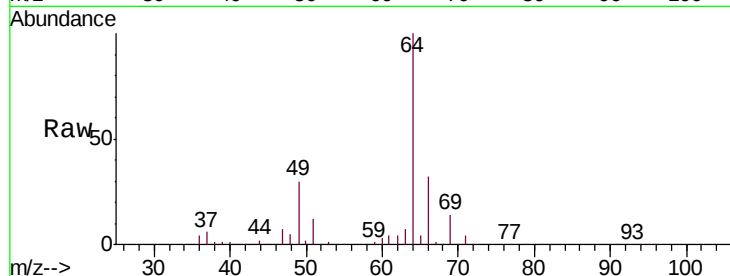
VSTD02066

Tgt Ion: 64 Resp: 117040

Ion Ratio Lower Upper

64 100

66 32.5 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) (-)

1.60

100000

80000

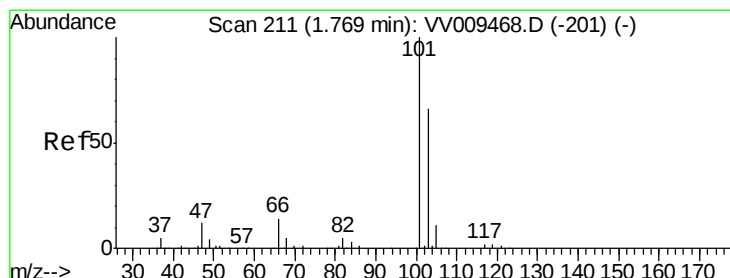
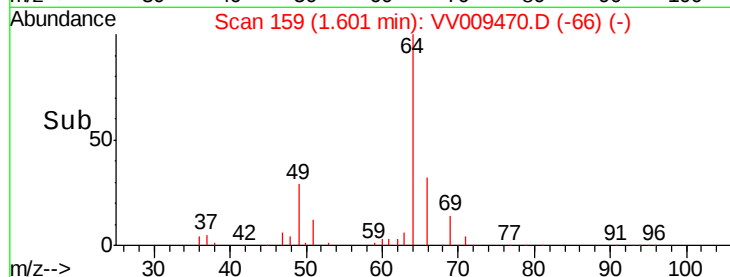
60000

40000

20000

0

Time--> 1.50 1.55 1.60 1.65 1.70



#9

Trichlorofluoromethane

Concen: 26.546 ug/L

RT: 1.77 min Scan# 211

Delta R.T. -0.00 min

Lab File: VV009470.D

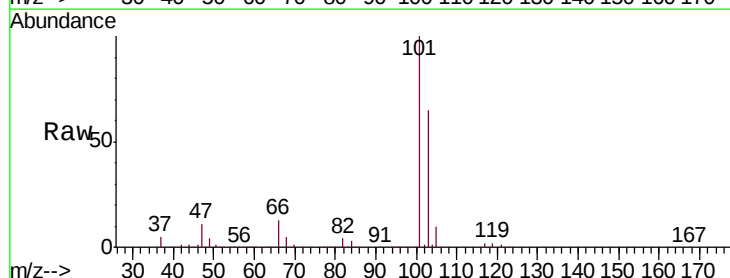
Acq: 04 Mar 2019 14:02

Tgt Ion: 101 Resp: 448553

Ion Ratio Lower Upper

101 100

103 65.0 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) (-)

1.77

400000

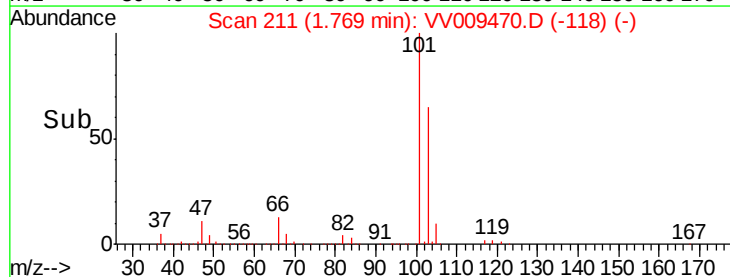
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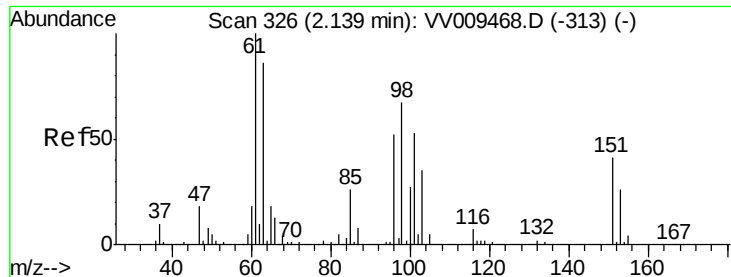
200000

100000

0

Time--> 1.70 1.80 1.90





#10

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

Concen: 23.799 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV009470.D

Acq: 04 Mar 2019 14:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD02066

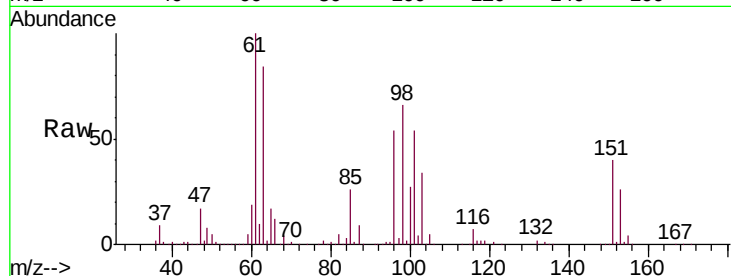
Tgt Ion: 101 Resp: 198358

Ion Ratio Lower Upper

101 100

85 48.6 39.2 58.8

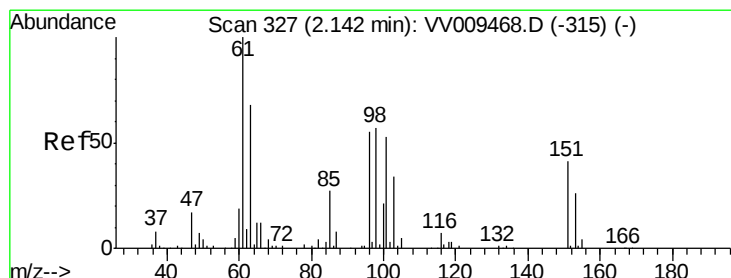
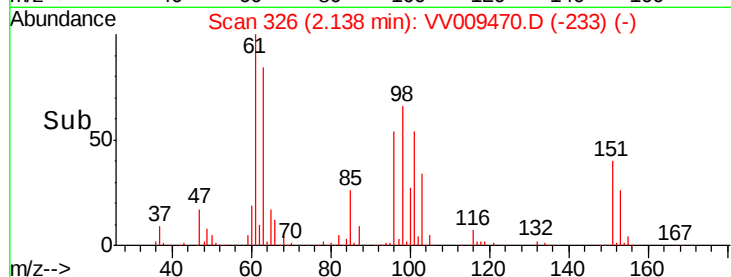
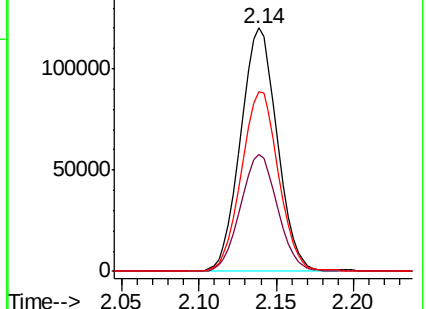
151 74.8 61.1 91.7



Abundance Ion 101.00 (100.70 to 101.70): VV009470.D (-233) (-)

Ion 85.00 (84.70 to 85.70): VV009470.D (-233) (-)

Ion 151.00 (150.70 to 151.70): VV009470.D (-233) (-)



#12

1,1-Dichloroethene

Concen: 23.569 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV009470.D

Acq: 04 Mar 2019 14:02

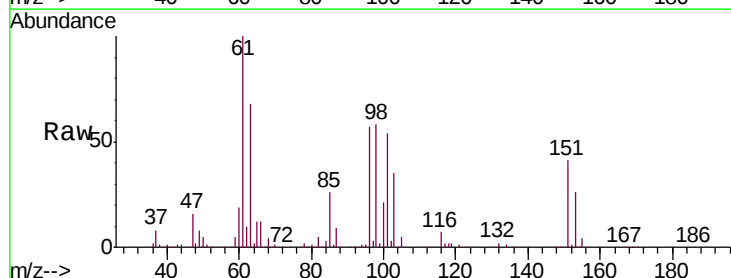
Tgt Ion: 96 Resp: 173775

Ion Ratio Lower Upper

96 100

61 175.8 127.1 236.0

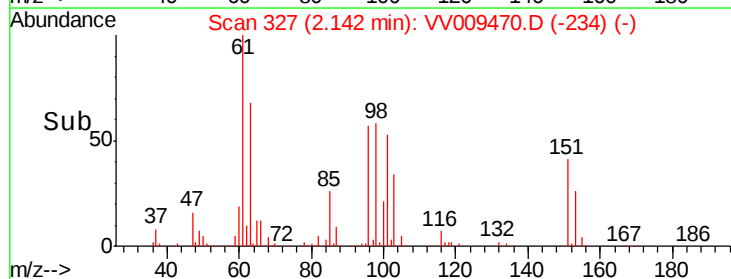
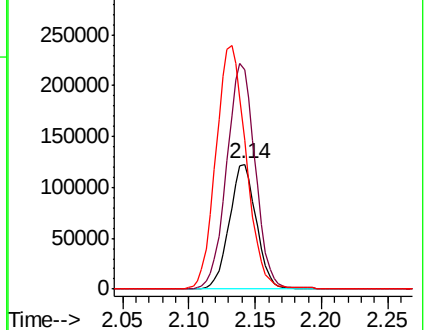
63 119.6 88.8 164.8

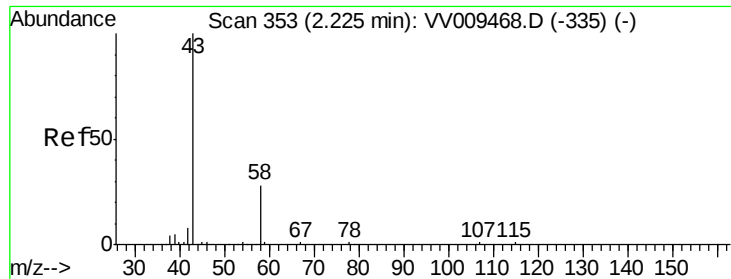


Abundance Ion 96.00 (95.70 to 96.70): VV009470.D (-234) (-)

Ion 61.05 (60.75 to 61.75): VV009470.D (-234) (-)

Ion 63.00 (62.70 to 63.70): VV009470.D (-234) (-)

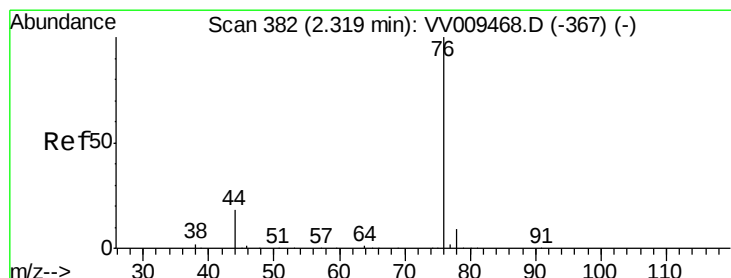
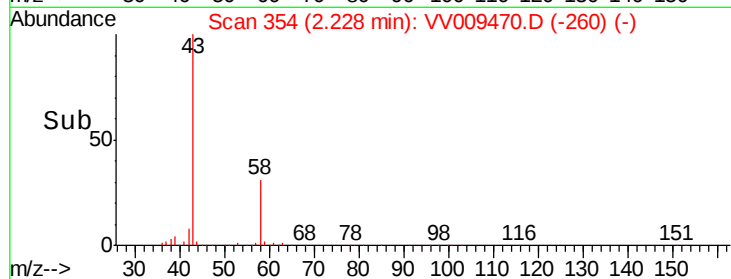
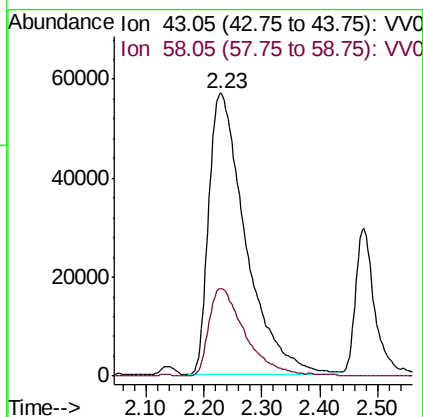
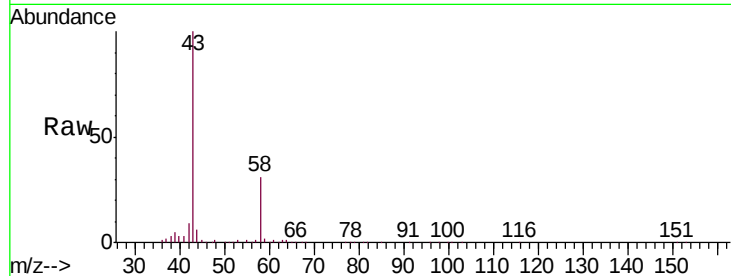




#13
Acetone
Concen: 234.701 ug/L
RT: 2.23 min Scan# 354
Delta R.T. 0.00 min
Lab File: VV009470.D
Acq: 04 Mar 2019 14:02

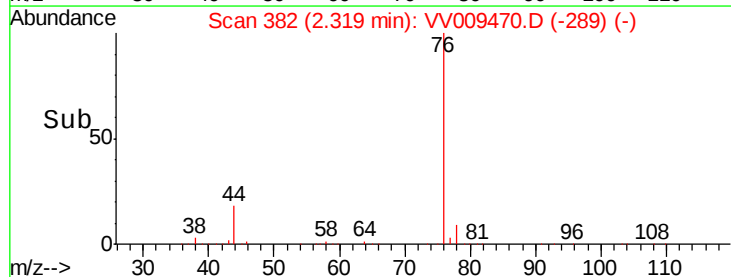
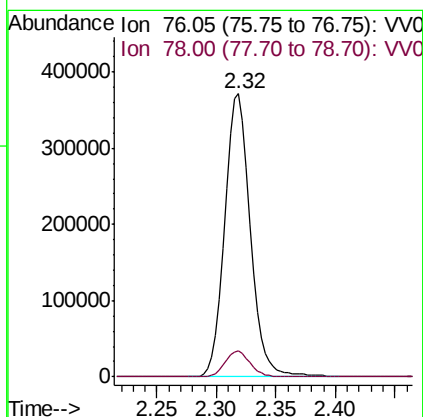
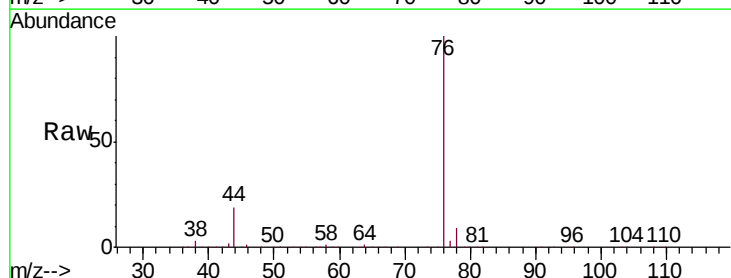
Instrument :
MSVOA_V
ClientSampleId :
VSTD02066

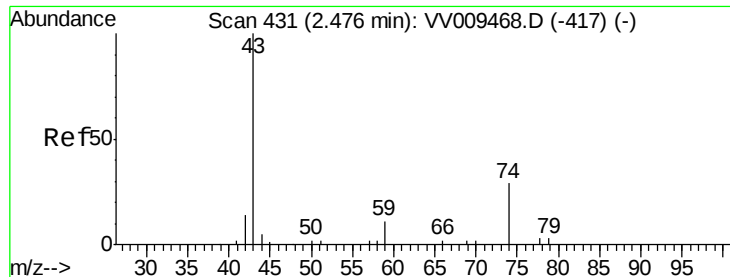
Tgt Ion: 43 Resp: 250762
Ion Ratio Lower Upper
43 100
58 30.8 0.0 23.0#



#14
Carbon disulfide
Concen: 22.963 ug/L
RT: 2.32 min Scan# 382
Delta R.T. -0.00 min
Lab File: VV009470.D
Acq: 04 Mar 2019 14:02

Tgt Ion: 76 Resp: 554626
Ion Ratio Lower Upper
76 100
78 9.1 7.7 11.5

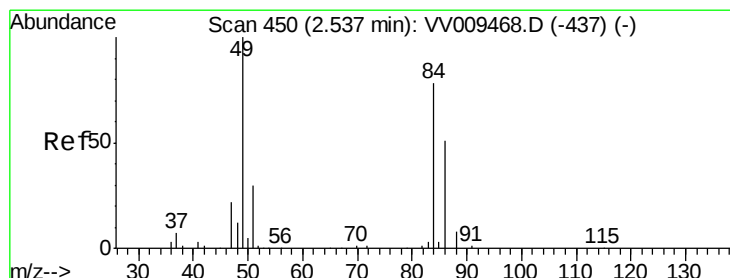
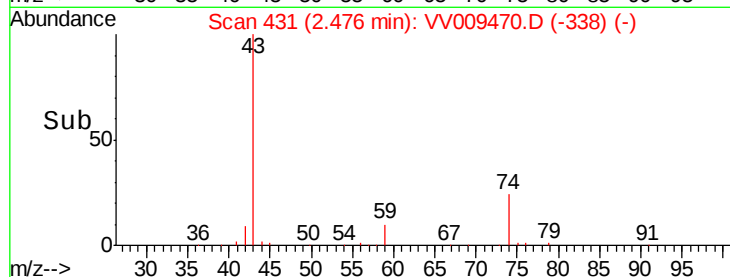
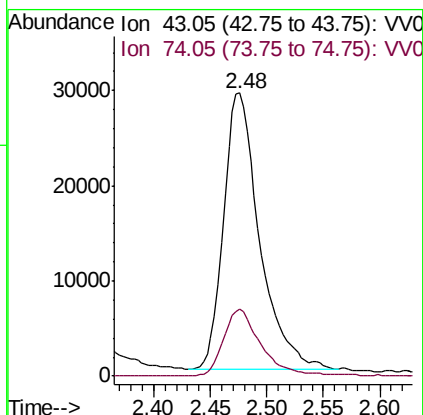
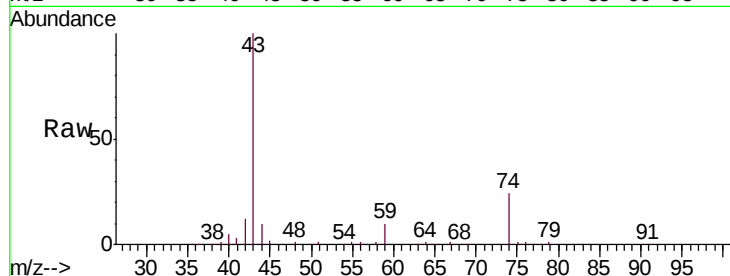




#15
Methyl Acetate
Concen: 23.232 ug/L
RT: 2.48 min Scan# 431
Delta R.T. -0.00 min
Lab File: VV009470.D
Acq: 04 Mar 2019 14:02

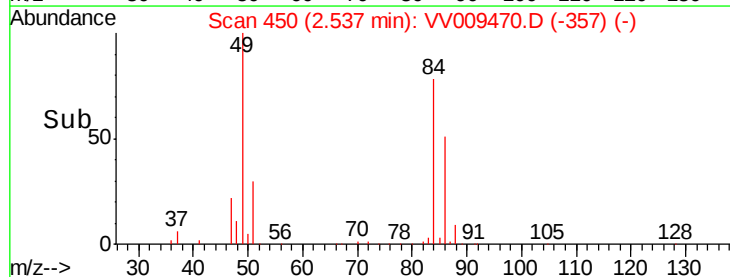
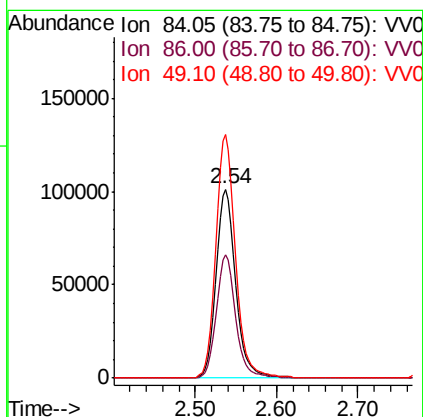
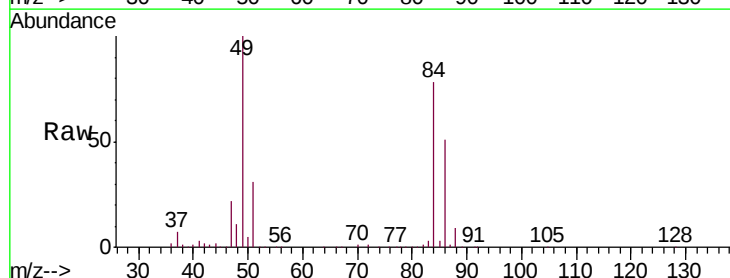
Instrument :
MSVOA_V
ClientSampleId :
VSTD02066

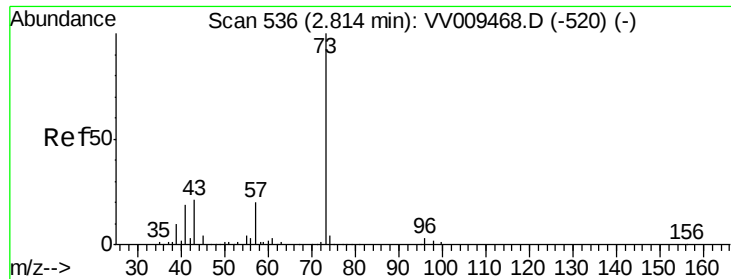
Tgt Ion: 43 Resp: 64397
Ion Ratio Lower Upper
43 100
74 25.6 21.8 32.6



#16
Methylene chloride
Concen: 21.175 ug/L
RT: 2.54 min Scan# 450
Delta R.T. -0.00 min
Lab File: VV009470.D
Acq: 04 Mar 2019 14:02

Tgt Ion: 84 Resp: 173493
Ion Ratio Lower Upper
84 100
86 65.3 46.1 85.5
49 128.9 89.7 166.5





#17

Methyl tert-butyl Ether

Concen: 23.316 ug/L

RT: 2.81 min Scan# 536

Delta R.T. -0.00 min

Lab File: VV009470.D

Acq: 04 Mar 2019 14:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD02066

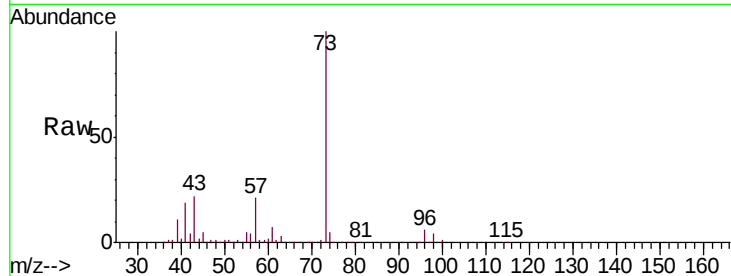
Tgt Ion: 73 Resp: 440298

Ion Ratio Lower Upper

73 100

43 22.2 17.2 25.8

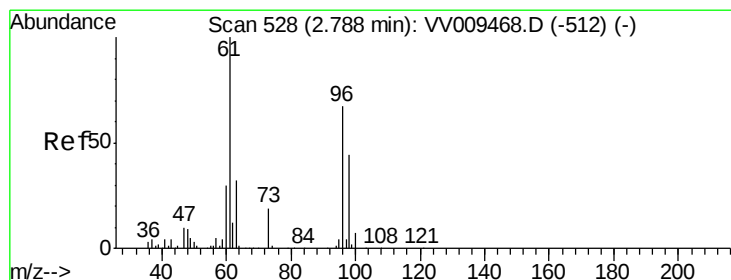
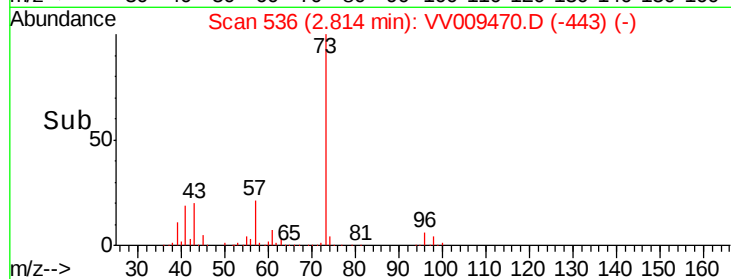
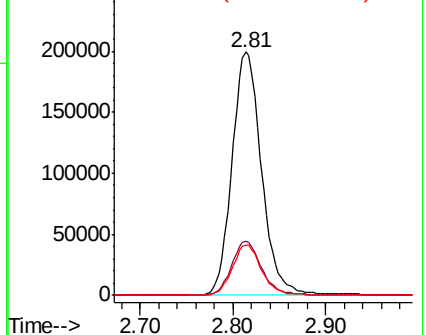
57 20.7 17.3 25.9



Abundance Ion 73.10 (72.80 to 73.80): VV0

Ion 43.05 (42.75 to 43.75): VV0

Ion 57.10 (56.80 to 57.80): VV0



#18

trans-1,2-Dichloroethene

Concen: 23.131 ug/L

RT: 2.79 min Scan# 528

Delta R.T. -0.00 min

Lab File: VV009470.D

Acq: 04 Mar 2019 14:02

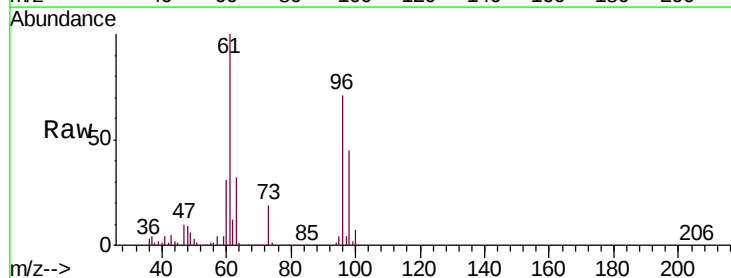
Tgt Ion: 96 Resp: 186105

Ion Ratio Lower Upper

96 100

61 141.5 103.9 192.9

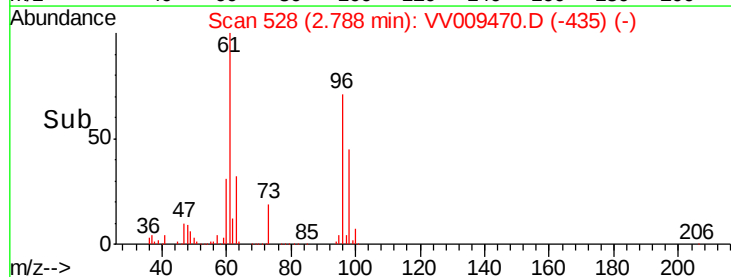
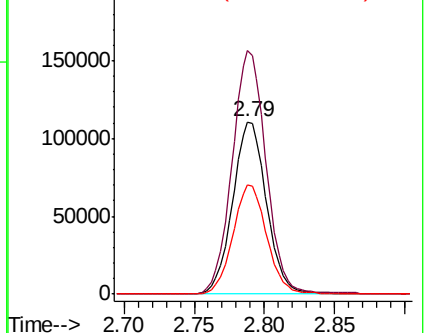
98 63.1 46.0 85.4

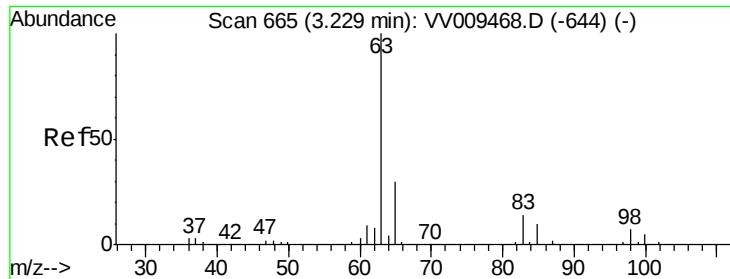


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0

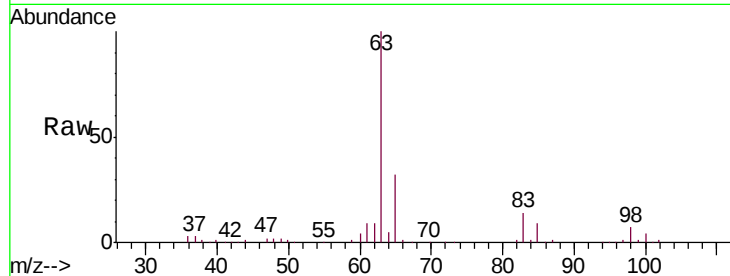




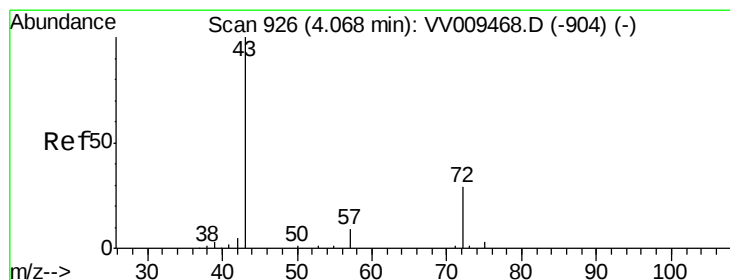
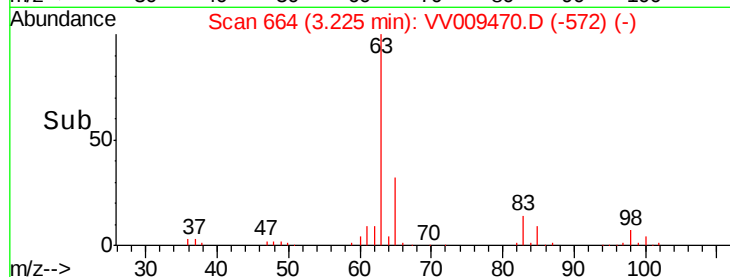
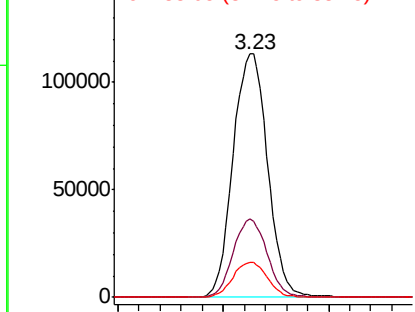
#19
 1,1-Dichloroethane
 Concen: 24.203 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. -0.00 min
 Lab File: VV009470.D
 Acq: 04 Mar 2019 14:02

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02066

Tgt Ion: 63 Resp: 256711
 Ion Ratio Lower Upper
 63 100
 65 32.1 21.3 39.5
 83 14.1 9.9 18.5

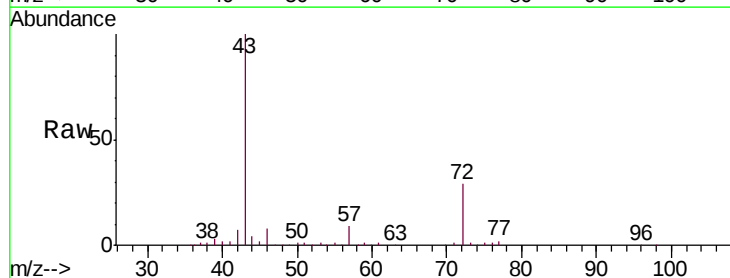


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

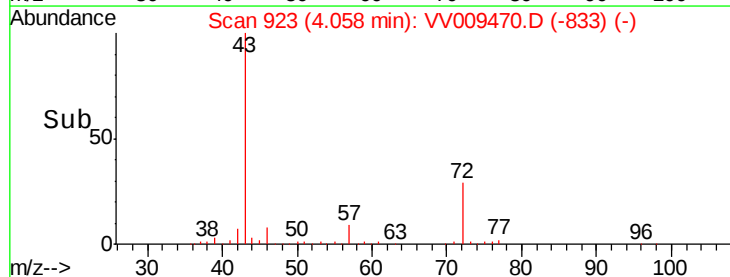
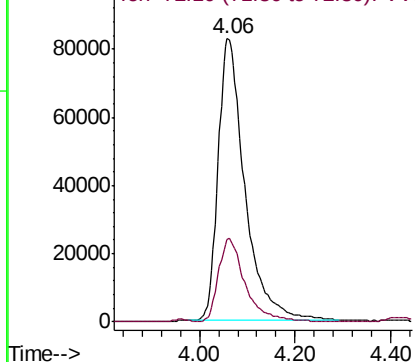


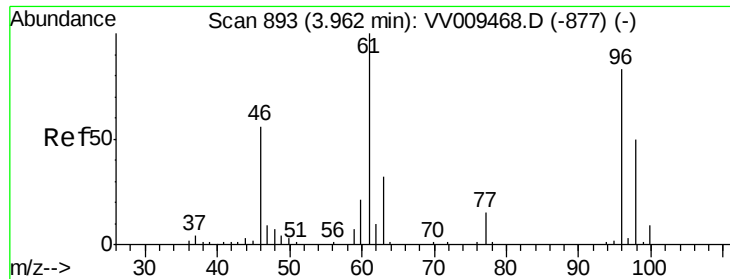
#21
 2-Butanone
 Concen: 238.666 ug/L
 RT: 4.06 min Scan# 923
 Delta R.T. -0.01 min
 Lab File: VV009470.D
 Acq: 04 Mar 2019 14:02

Tgt Ion: 43 Resp: 318562
 Ion Ratio Lower Upper
 43 100
 72 29.1 14.8 44.4



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

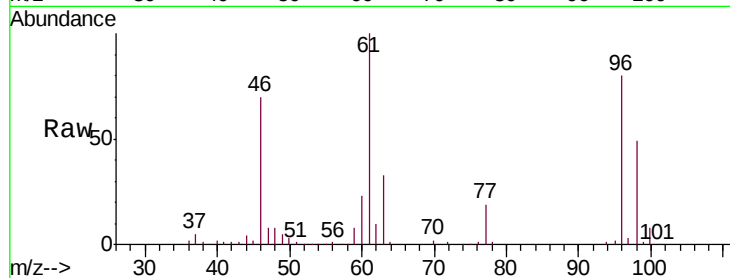




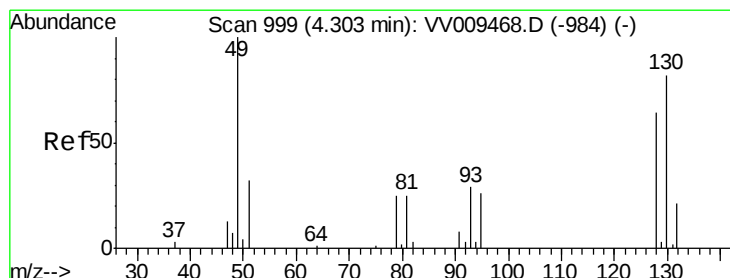
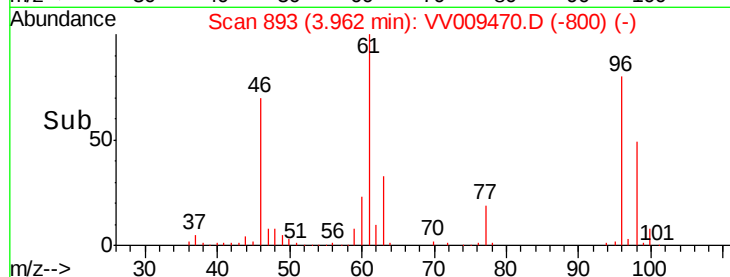
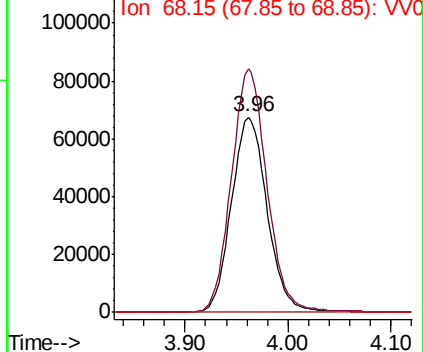
#22
 cis-1,2-Dichloroethene
 Concen: 21.751 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. -0.00 min
 Lab File: VV009470.D
 Acq: 04 Mar 2019 14:02

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD02066

Tgt Ion: 96 Resp: 162738
 Ion Ratio Lower Upper
 96 100
 61 124.6 84.8 157.4
 68 0.0 0.0 0.0

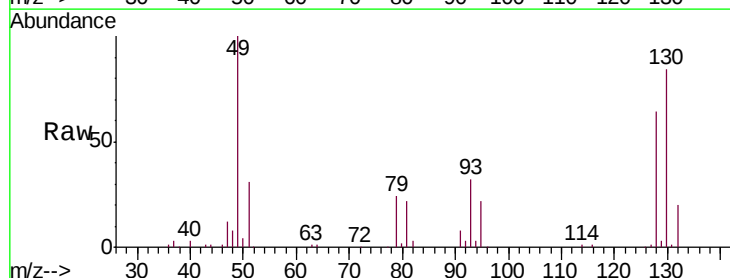


Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0

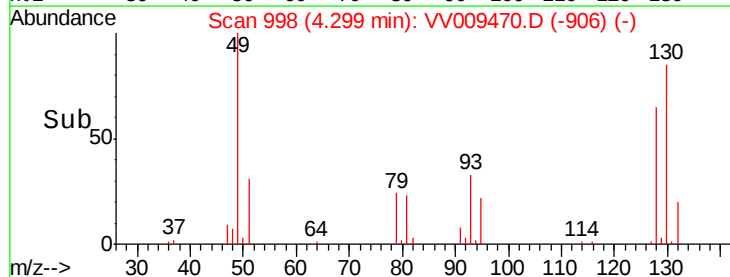
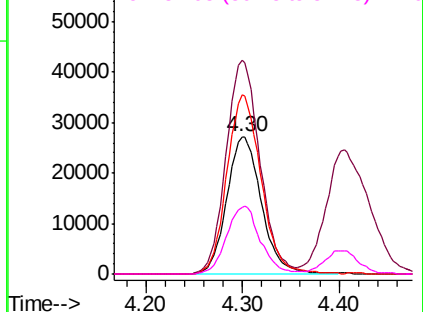


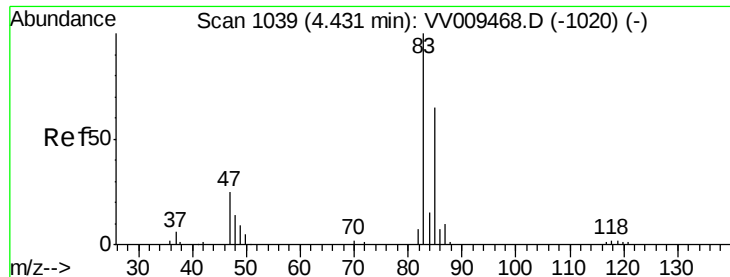
#23
 Bromochloromethane
 Concen: 22.551 ug/L
 RT: 4.30 min Scan# 998
 Delta R.T. -0.00 min
 Lab File: VV009470.D
 Acq: 04 Mar 2019 14:02

Tgt Ion: 128 Resp: 67463
 Ion Ratio Lower Upper
 128 100
 49 155.9 110.4 205.0
 130 130.7 89.1 165.5
 51 48.8 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: 22.239 ug/L

RT: 4.43 min Scan# 1038

Delta R.T. -0.00 min

Lab File: VV009470.D

Acq: 04 Mar 2019 14:02

Instrument :

MSVOA_V

ClientSampleId :

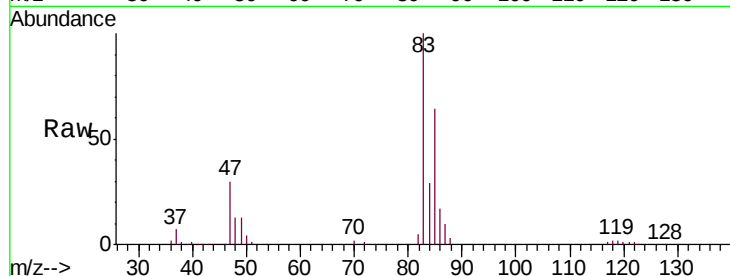
VSTD02066

Tgt Ion: 83 Resp: 287366

Ion Ratio Lower Upper

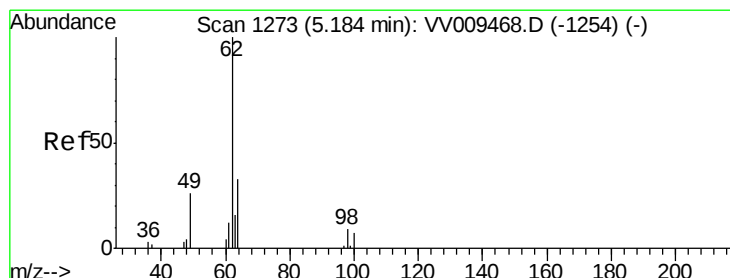
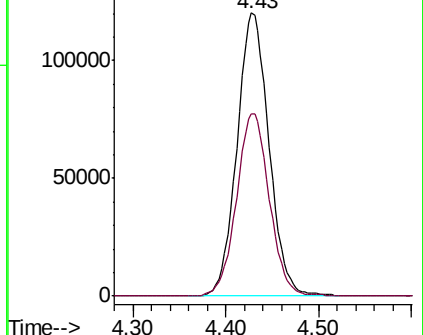
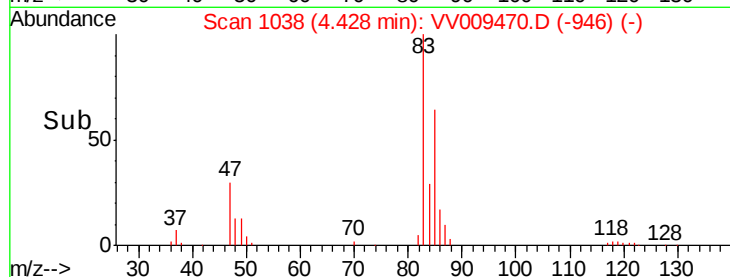
83 100

85 64.4 45.7 84.9



Abundance Ion 83.05 (82.75 to 83.75): VV009468.D (-1020) (-)

Ion 85.00 (84.70 to 85.70): VV009470.D (-946) (-)



#27

1,2-Dichloroethane

Concen: 23.128 ug/L

RT: 5.18 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VV009470.D

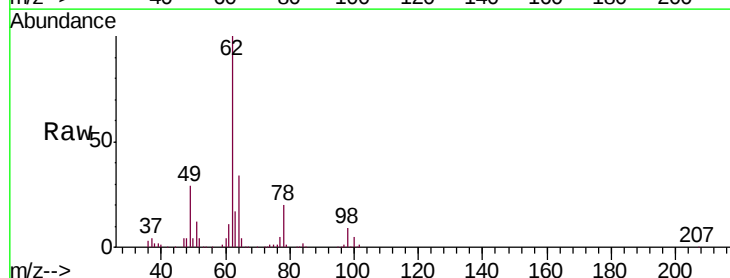
Acq: 04 Mar 2019 14:02

Tgt Ion: 62 Resp: 176072

Ion Ratio Lower Upper

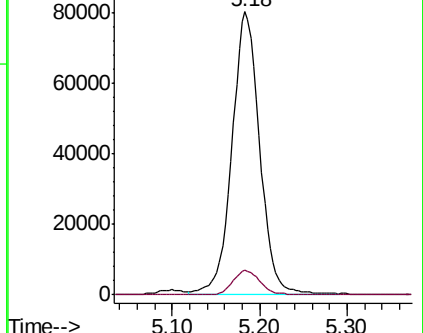
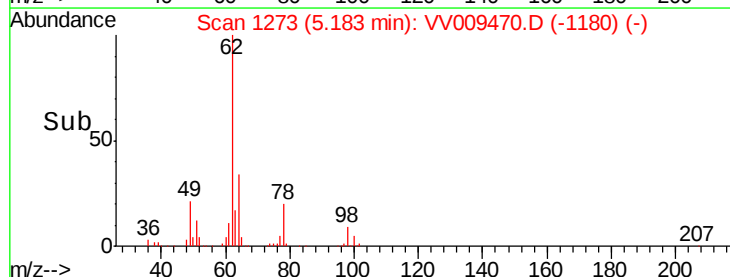
62 100

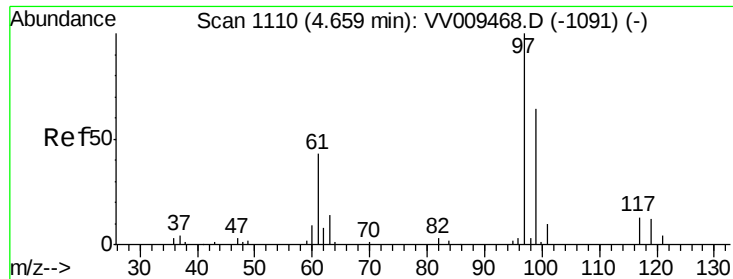
98 8.8 7.4 11.0



Abundance Ion 62.00 (61.70 to 62.70): VV009468.D (-1254) (-)

Ion 98.05 (97.75 to 98.75): VV009470.D (-1180) (-)

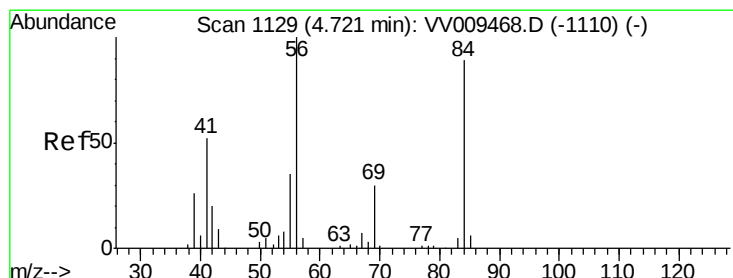
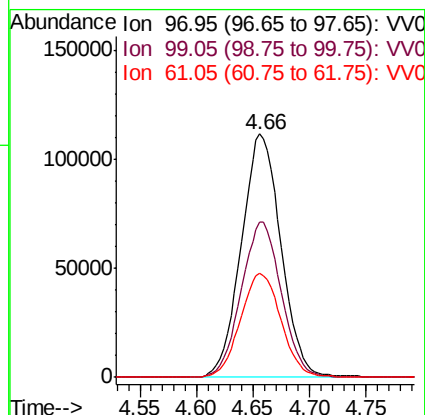
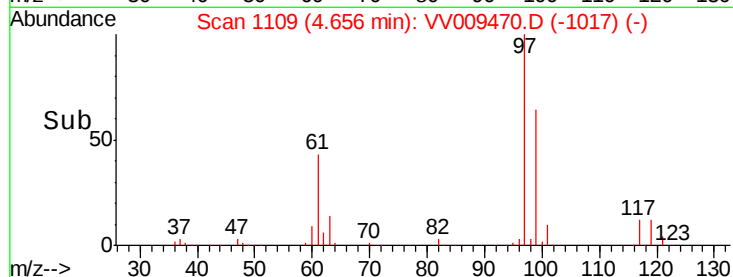
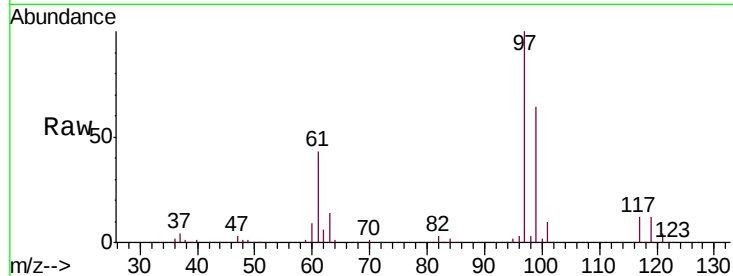




#29
 1,1,1-Trichloroethane
 Concen: 22.024 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. -0.00 min
 Lab File: VV009470.D
 Acq: 04 Mar 2019 14:02

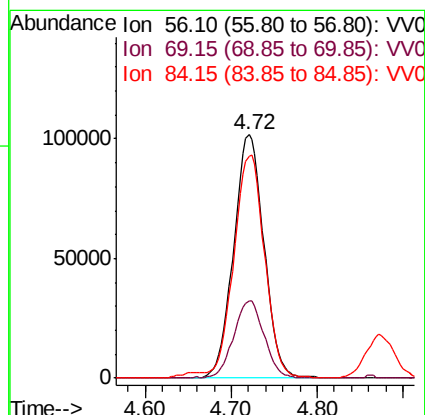
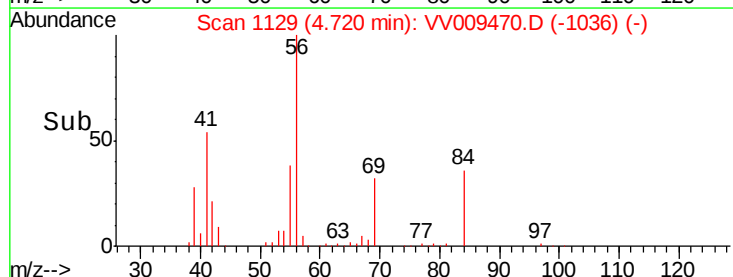
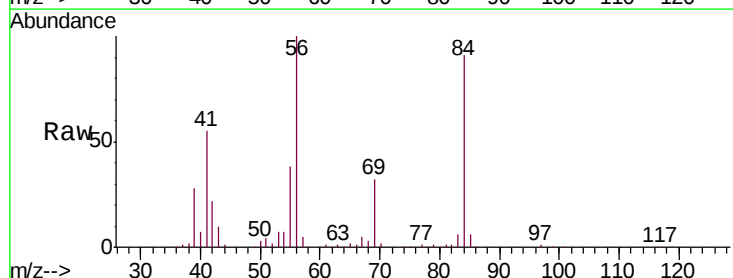
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD02066

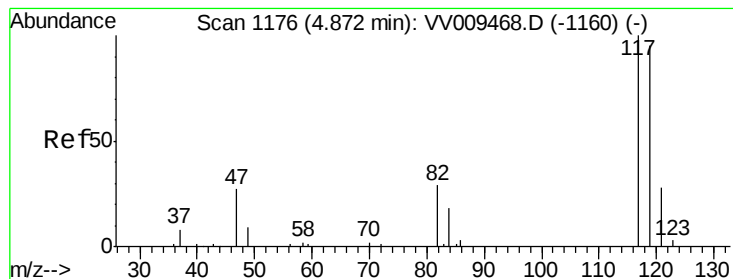
Tgt Ion: 97 Resp: 271340
 Ion Ratio Lower Upper
 97 100
 99 65.0 50.8 76.2
 61 43.9 35.0 52.6



#30
 Cyclohexane
 Concen: 20.954 ug/L
 RT: 4.72 min Scan# 1129
 Delta R.T. -0.00 min
 Lab File: VV009470.D
 Acq: 04 Mar 2019 14:02

Tgt Ion: 56 Resp: 249059
 Ion Ratio Lower Upper
 56 100
 69 31.9 25.6 38.4
 84 92.5 72.4 108.6





#31

Carbon tetrachloride

Concen: 23.675 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV009470.D

Acq: 04 Mar 2019 14:02

Instrument :

MSVOA_V

ClientSampleId :

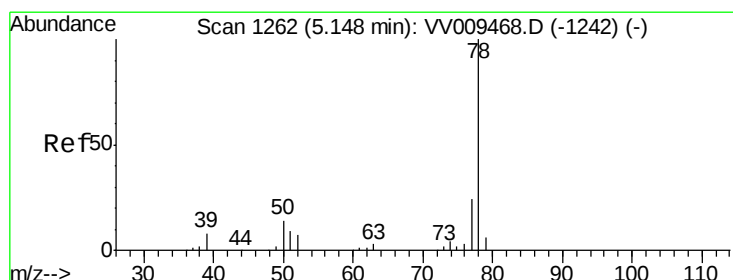
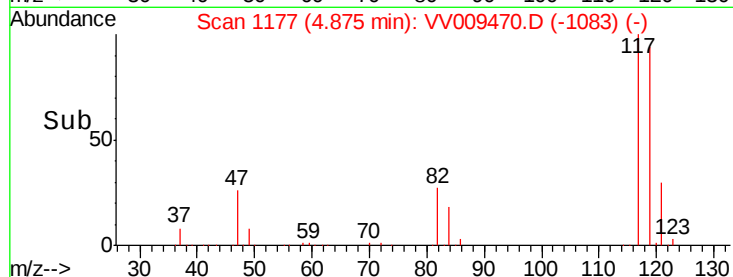
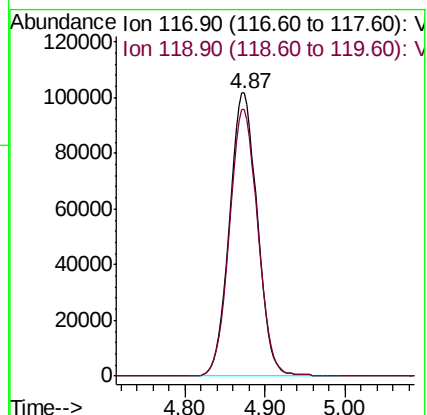
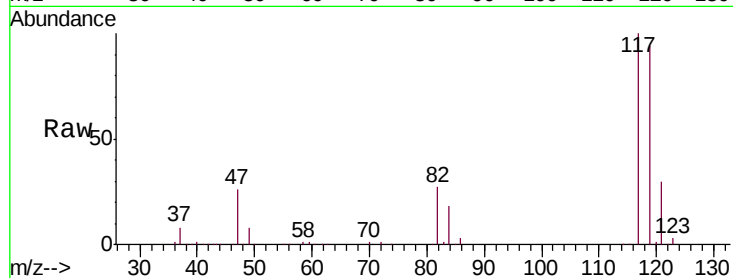
VSTD02066

Tgt Ion:117 Resp: 240931

Ion Ratio Lower Upper

117 100

119 95.5 75.4 113.2



#33

Benzene

Concen: 22.613 ug/L

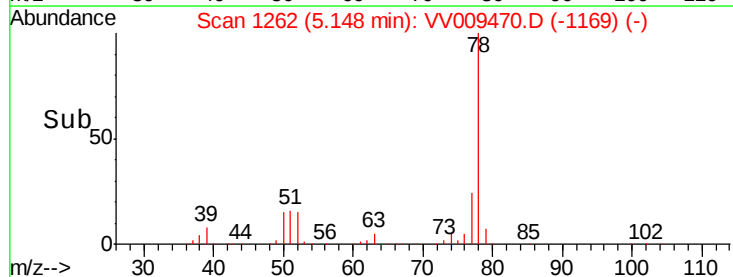
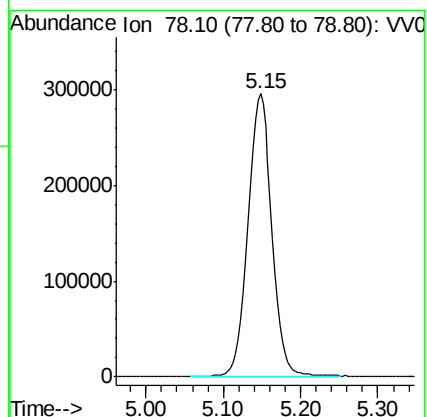
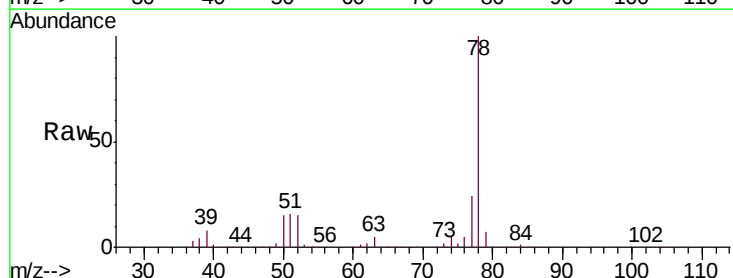
RT: 5.15 min Scan# 1262

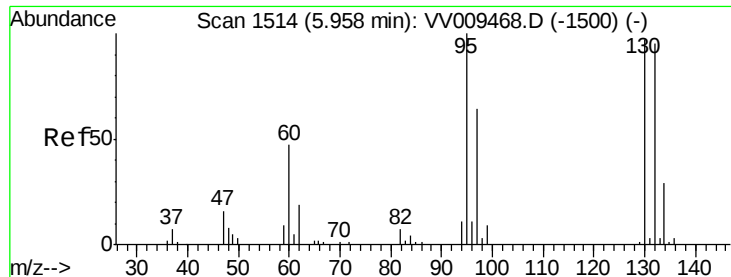
Delta R.T. -0.00 min

Lab File: VV009470.D

Acq: 04 Mar 2019 14:02

Tgt Ion: 78 Resp: 638860





#34

Trichloroethene

Concen: 22.077 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. -0.00 min

Lab File: VV009470.D

Acq: 04 Mar 2019 14:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD02066

Tgt Ion: 95 Resp: 178168

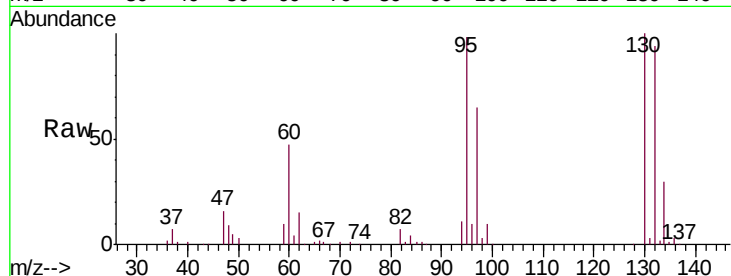
Ion Ratio Lower Upper

95 100

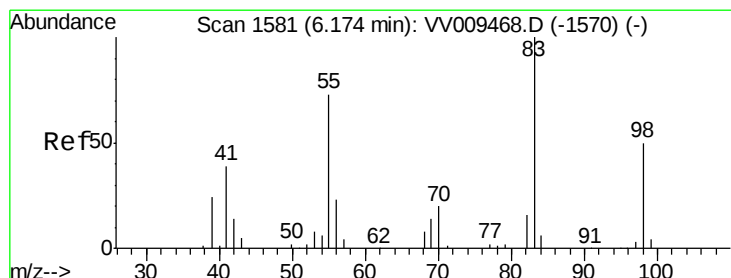
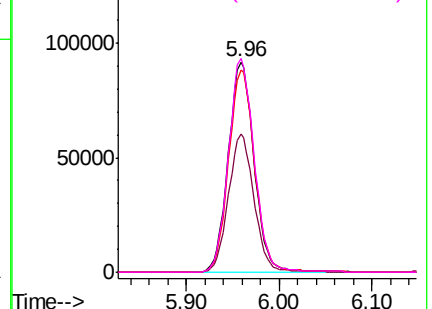
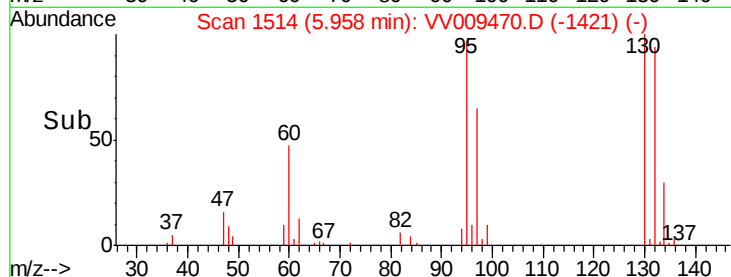
97 65.8 44.4 82.5

132 96.0 66.4 123.4

130 101.6 68.1 126.5



Abundance Ion 95.00 (94.70 to 95.70): VV009470.D (-1421) (-)



#35

Methylcyclohexane

Concen: 21.695 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VV009470.D

Acq: 04 Mar 2019 14:02

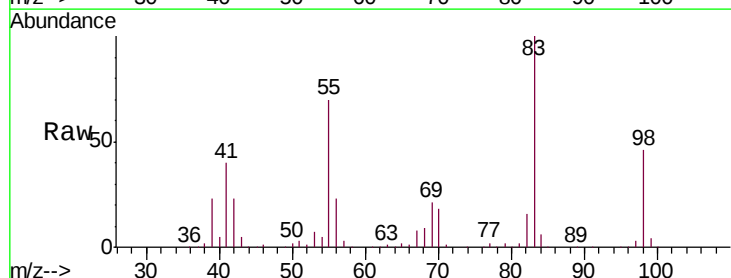
Tgt Ion: 83 Resp: 288981

Ion Ratio Lower Upper

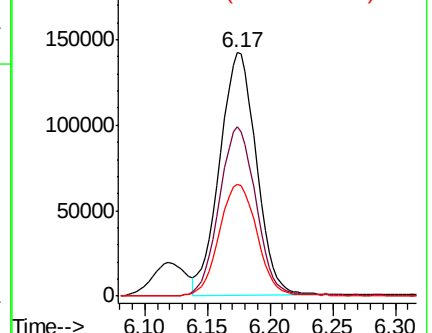
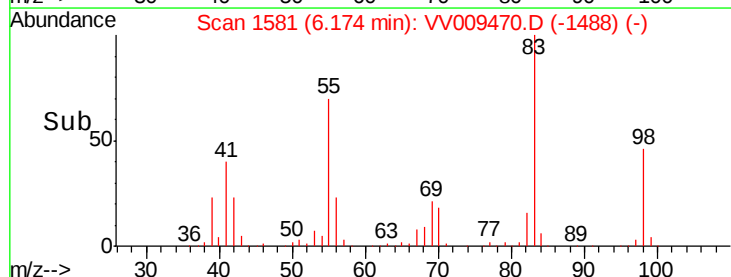
83 100

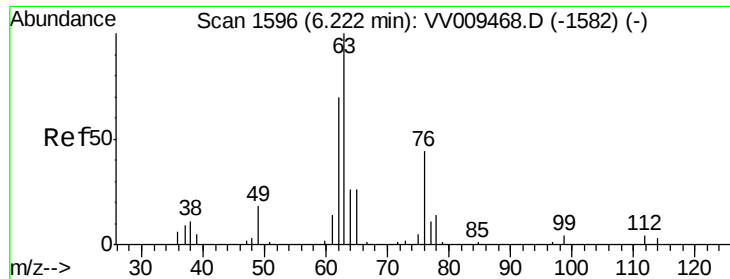
55 69.6 57.4 86.2

98 47.7 38.9 58.3



Abundance Ion 83.15 (82.85 to 83.85): VV009470.D (-1488) (-)

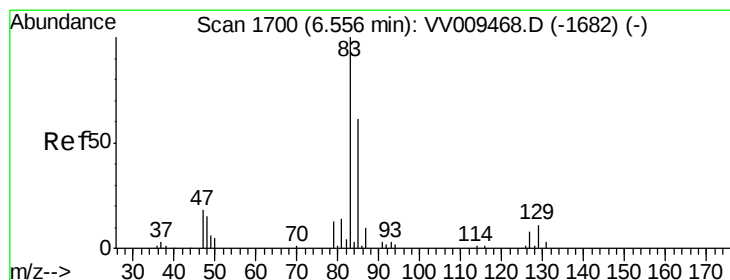
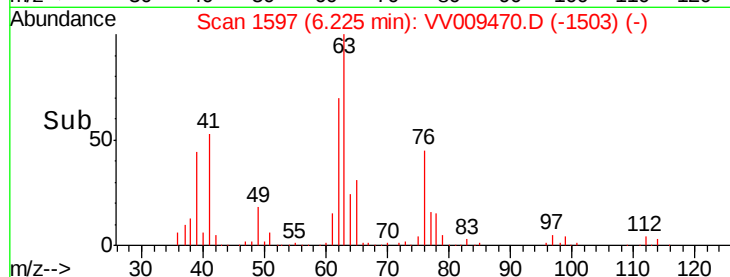
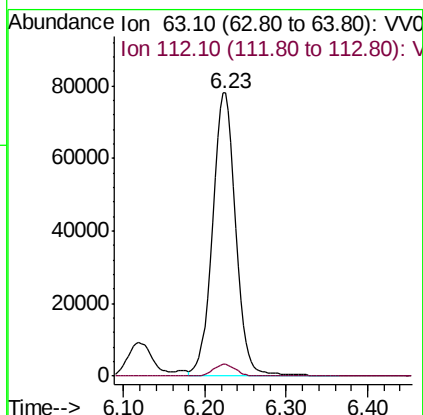
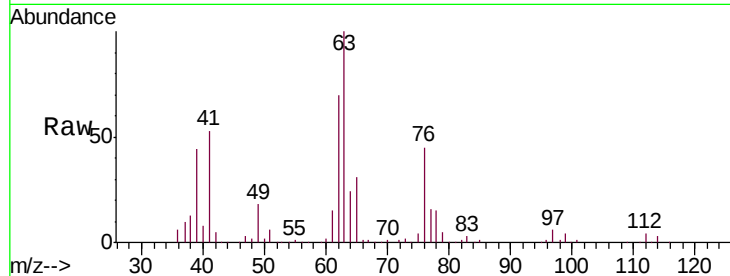




#37
 1,2-Dichloropropane
 Concen: 22.443 ug/L
 RT: 6.23 min Scan# 1597
 Delta R.T. 0.00 min
 Lab File: VV009470.D
 Acq: 04 Mar 2019 14:02

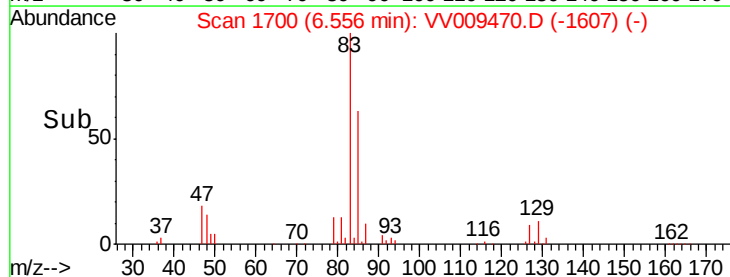
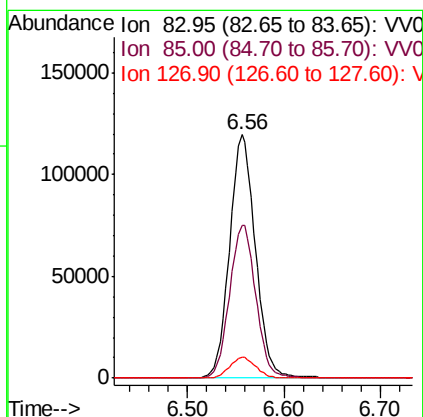
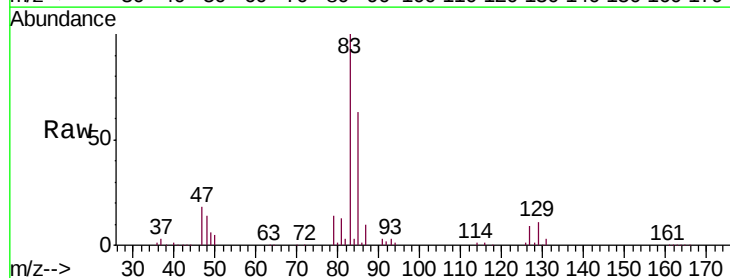
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02066

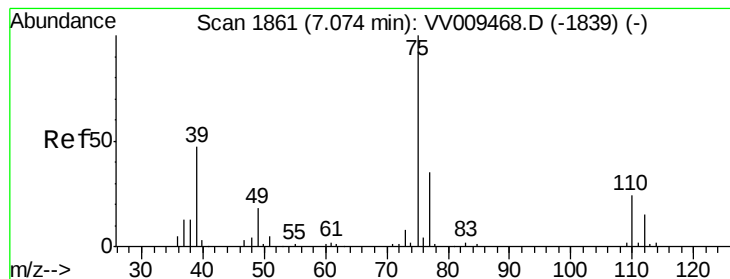
Tgt Ion: 63 Resp: 155796
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.3 4.9



#38
 Bromodichloromethane
 Concen: 23.050 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. -0.00 min
 Lab File: VV009470.D
 Acq: 04 Mar 2019 14:02

Tgt Ion: 83 Resp: 221602
 Ion Ratio Lower Upper
 83 100
 85 62.9 42.8 79.4
 127 8.8 6.2 9.4



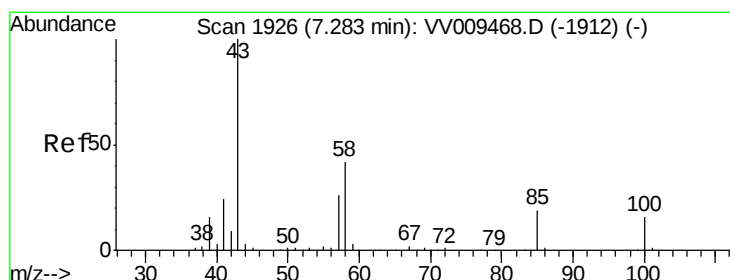
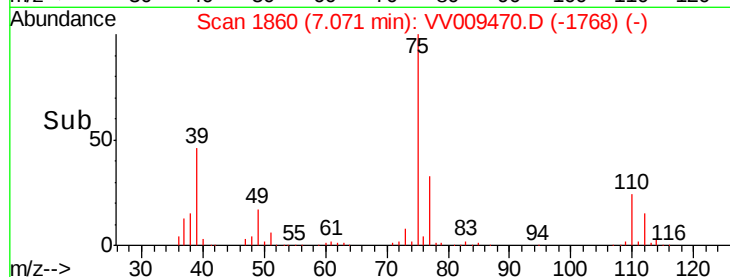
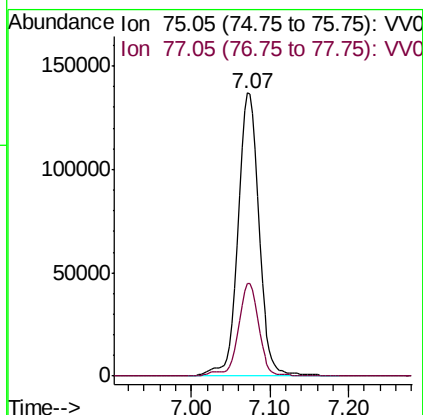
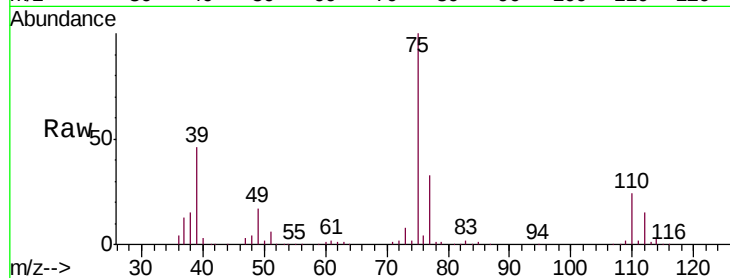


#39

cis-1,3-Dichloropropene
 Concen: 23.332 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VV009470.D
 Acq: 04 Mar 2019 14:02

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02066

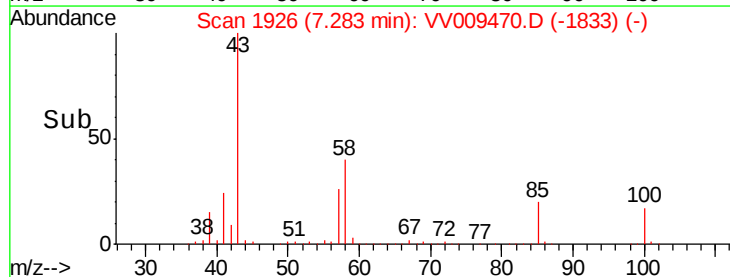
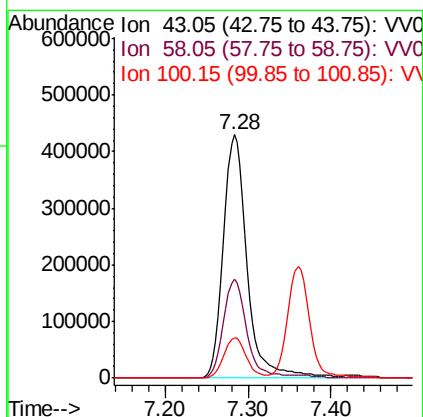
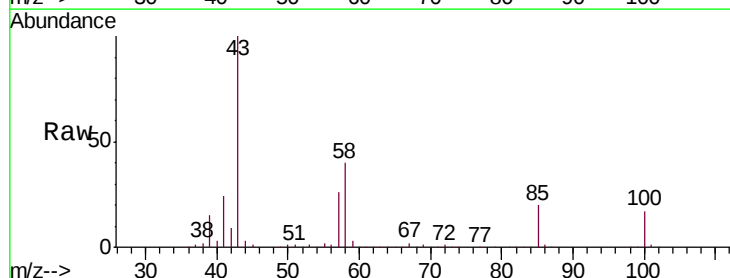
Tgt Ion: 75 Resp: 255764
 Ion Ratio Lower Upper
 75 100
 77 32.7 24.1 44.8

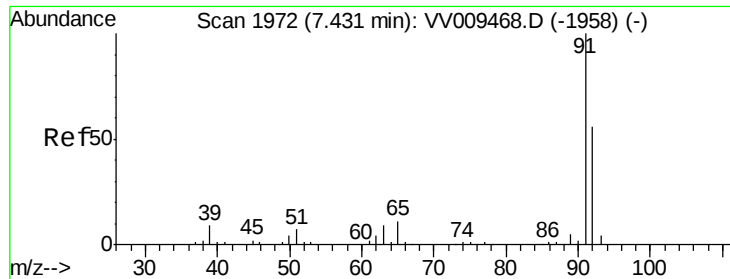


#40

4-Methyl-2-pentanone
 Concen: 227.509 ug/L
 RT: 7.28 min Scan# 1926
 Delta R.T. -0.00 min
 Lab File: VV009470.D
 Acq: 04 Mar 2019 14:02

Tgt Ion: 43 Resp: 854912
 Ion Ratio Lower Upper
 43 100
 58 41.3 32.3 48.5
 100 15.7 12.0 18.0





#42

Toluene

Concen: 22.881 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV009470.D

Acq: 04 Mar 2019 14:02

Instrument :

MSVOA_V

ClientSampleId :

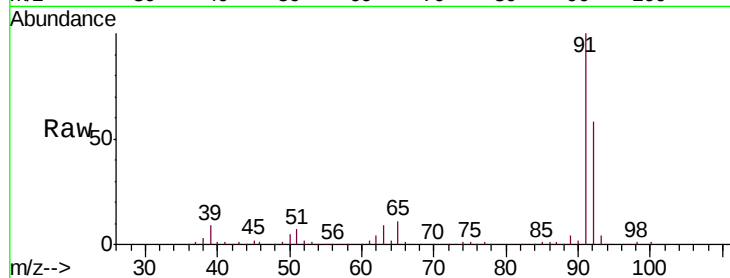
VSTD02066

Tgt Ion: 91 Resp: 744798

Ion Ratio Lower Upper

91 100

92 57.8 39.1 72.5



Abundance Ion 91.15 (90.85 to 91.85): VV009468.D (-1958) (-)

Ion 92.15 (91.85 to 92.85): VV009470.D (-1879) (-)

7.43

400000

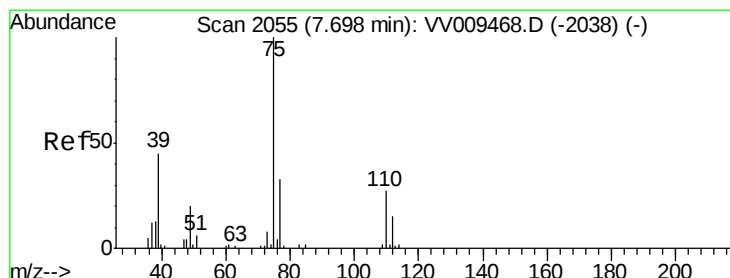
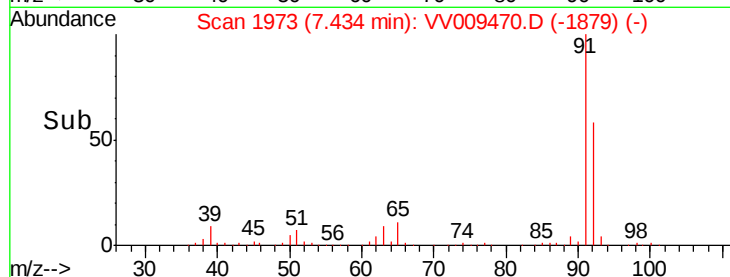
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 24.779 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. -0.00 min

Lab File: VV009470.D

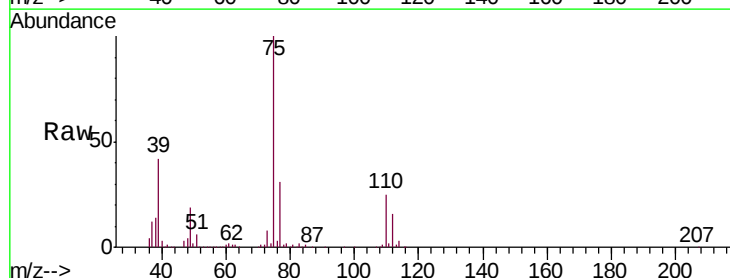
Acq: 04 Mar 2019 14:02

Tgt Ion: 75 Resp: 211420

Ion Ratio Lower Upper

75 100

77 31.2 22.7 42.3



Abundance Ion 75.05 (74.75 to 75.75): VV009468.D (-2038) (-)

Ion 77.05 (76.75 to 77.75): VV009470.D (-1962) (-)

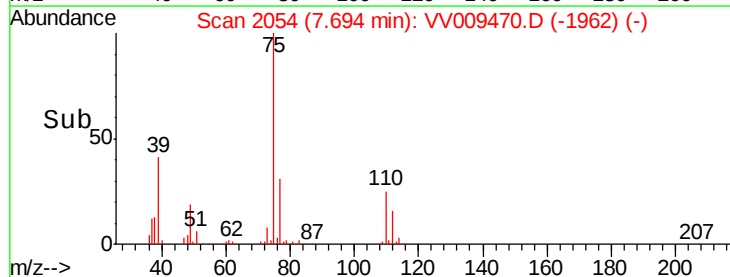
7.69

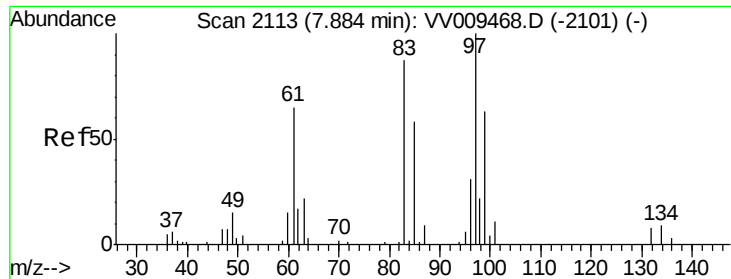
100000

50000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 22.733 ug/L

RT: 7.88 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VV009470.D

Acq: 04 Mar 2019 14:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD02066

Tgt Ion: 97 Resp: 113565

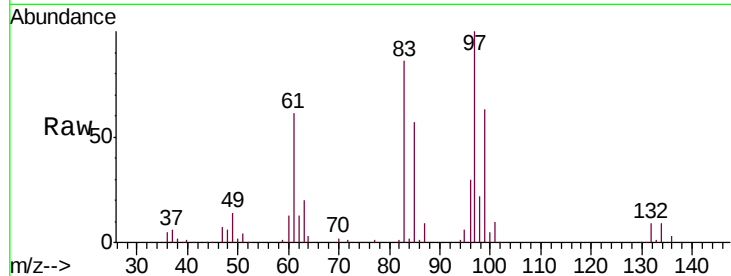
Ion Ratio Lower Upper

97 100

99 63.2 43.8 81.4

83 86.5 60.7 112.7

85 56.9 40.5 75.3

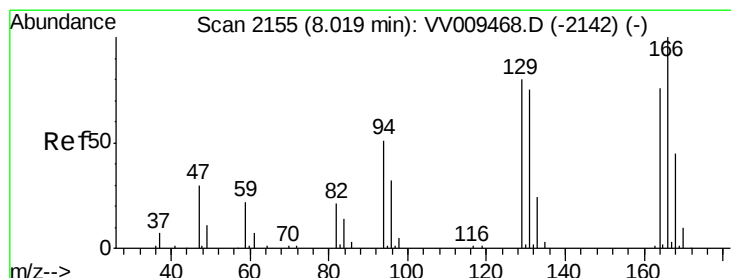
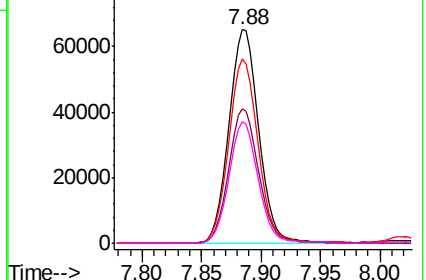
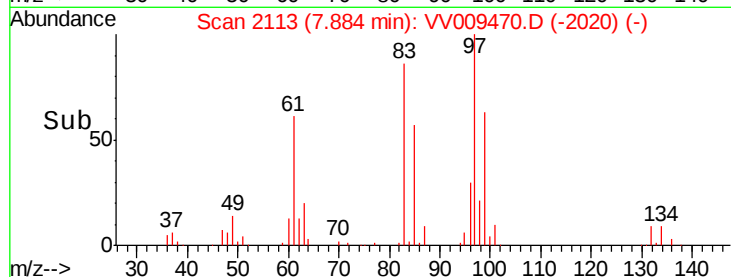


Abundance Ion 96.95 (96.65 to 97.65): VV0

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: 21.917 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. -0.00 min

Lab File: VV009470.D

Acq: 04 Mar 2019 14:02

Tgt Ion: 164 Resp: 138556

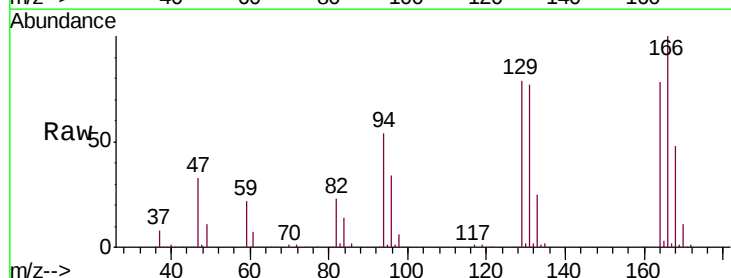
Ion Ratio Lower Upper

164 100

129 101.5 73.6 136.8

131 99.3 68.4 127.0

166 128.8 91.8 170.4

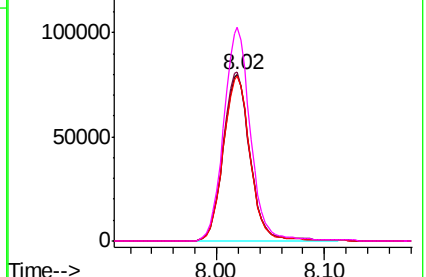
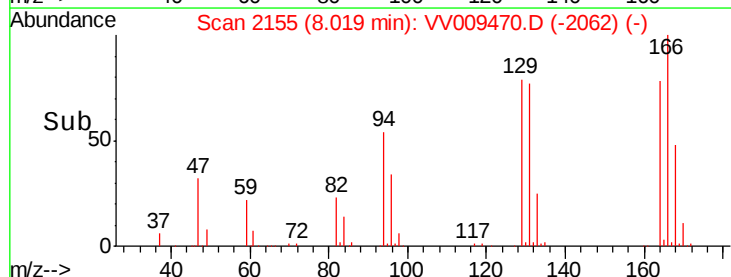


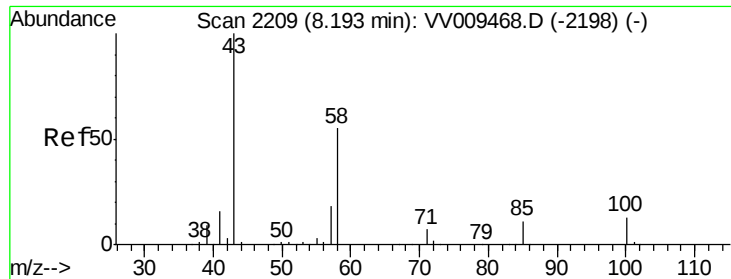
Abundance Ion 163.90 (163.60 to 164.60): V

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

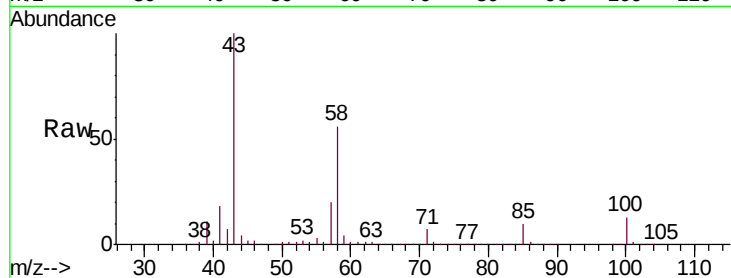




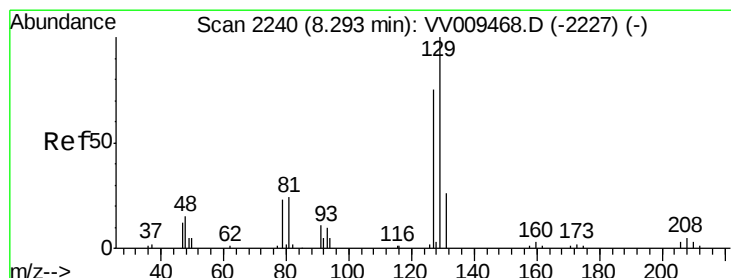
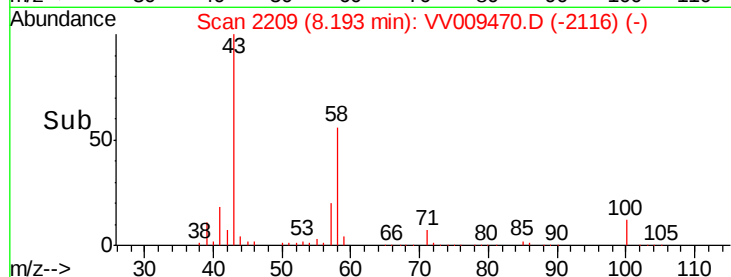
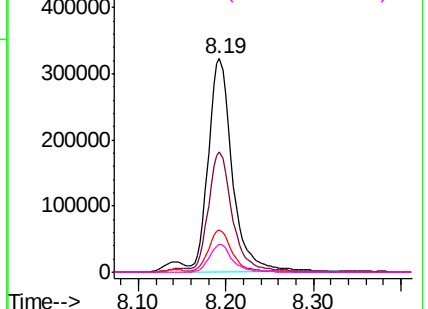
#48
2-Hexanone
Concen: 243.829 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VV009470.D
Acq: 04 Mar 2019 14:02

Instrument :
MSVOA_V
ClientSampleId :
VSTD02066

Tgt Ion: 43 Resp: 614926
Ion Ratio Lower Upper
43 100
58 59.1 43.4 65.0
57 19.9 15.0 22.4
100 12.7 9.6 14.4

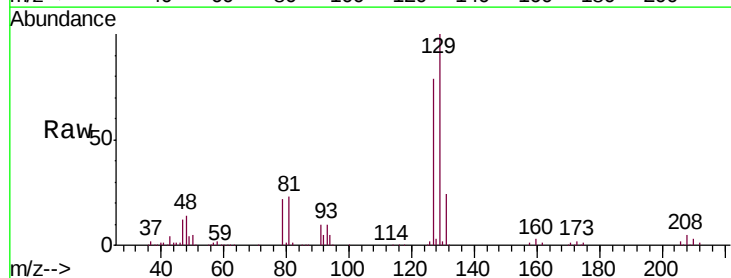


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

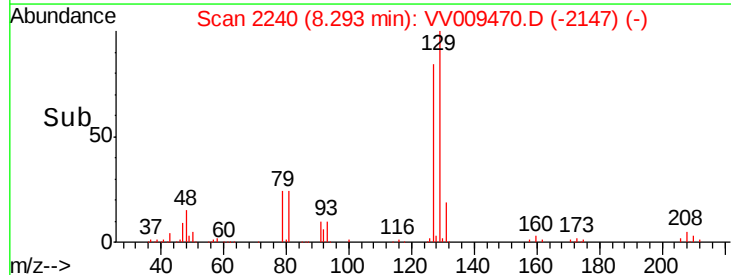
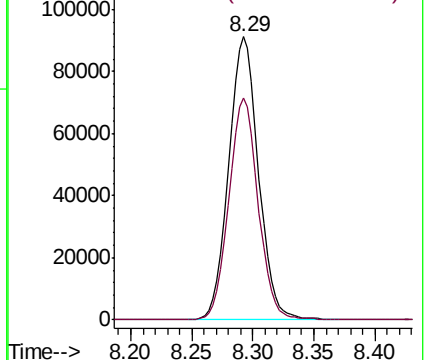


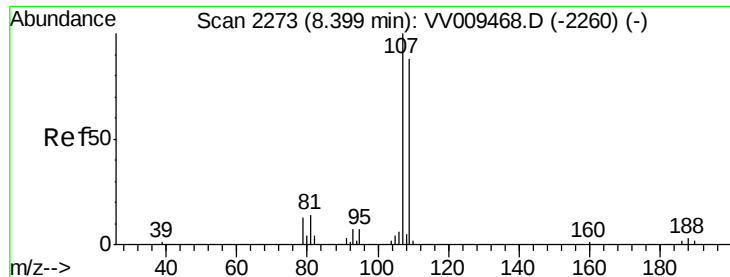
#49
Dibromochloromethane
Concen: 23.810 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VV009470.D
Acq: 04 Mar 2019 14:02

Tgt Ion: 129 Resp: 155297
Ion Ratio Lower Upper
129 100
127 78.6 52.4 97.4



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

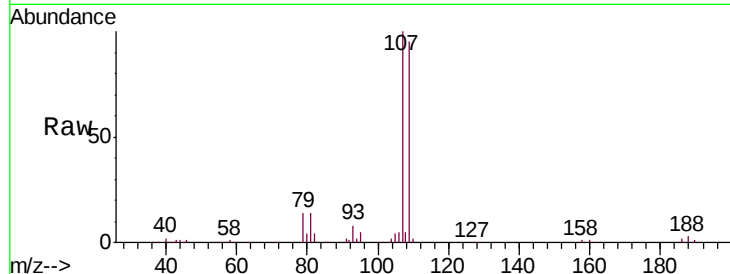




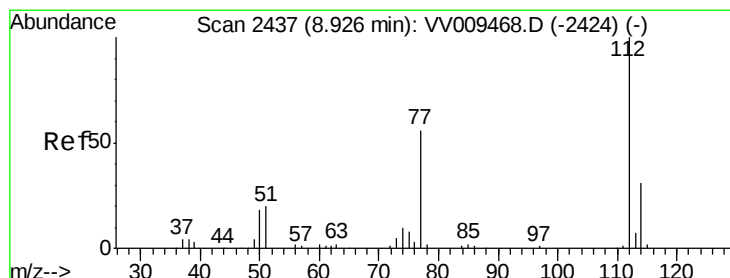
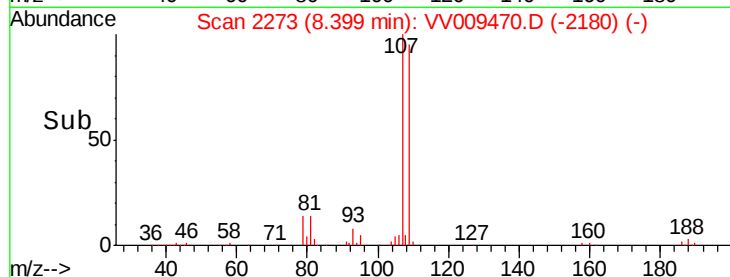
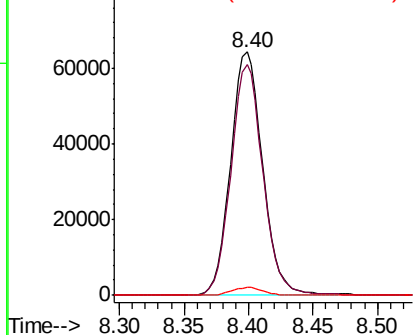
#50
1,2-Dibromoethane
Concen: 23.311 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VV009470.D
Acq: 04 Mar 2019 14:02

Instrument :
MSVOA_V
ClientSampleId :
VSTD02066

Tgt Ion:107 Resp: 111131
Ion Ratio Lower Upper
107 100
109 94.9 61.8 114.8
188 3.1 2.4 3.6

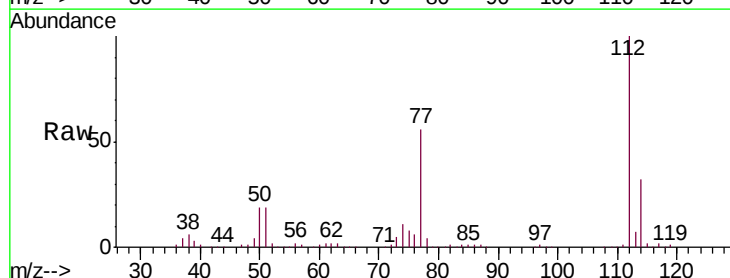


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

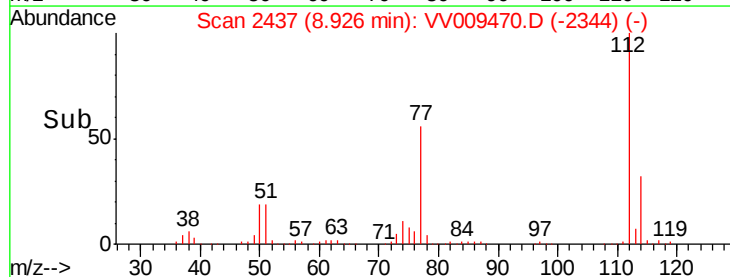
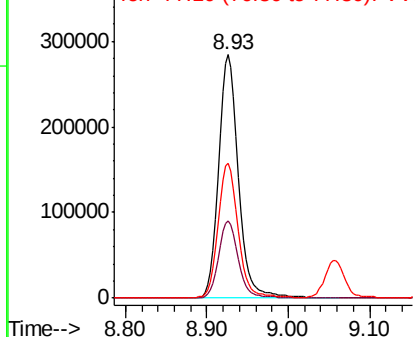


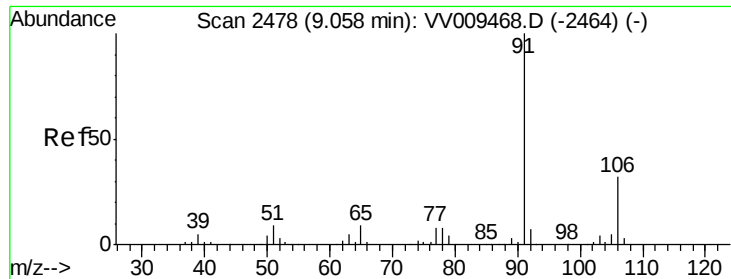
#51
Chlorobenzene
Concen: 23.146 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. -0.00 min
Lab File: VV009470.D
Acq: 04 Mar 2019 14:02

Tgt Ion:112 Resp: 490827
Ion Ratio Lower Upper
112 100
114 31.6 21.8 40.4
77 55.6 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): V





#52

Ethylbenzene

Concen: 22.993 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. -0.00 min

Lab File: VV009470.D

Acq: 04 Mar 2019 14:02

Instrument :

MSVOA_V

ClientSampleId :

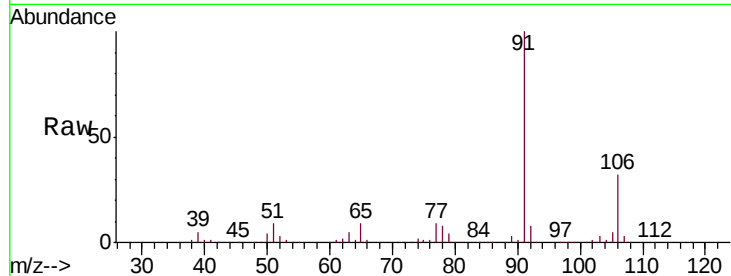
VSTD02066

Tgt Ion: 91 Resp: 852588

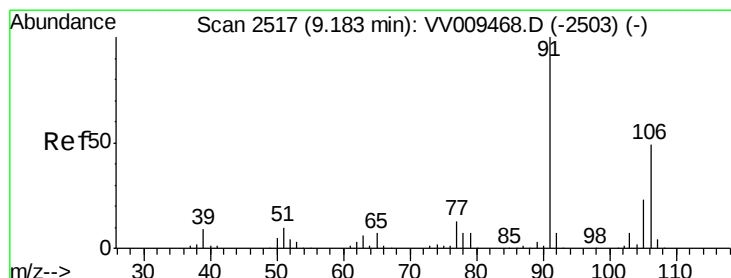
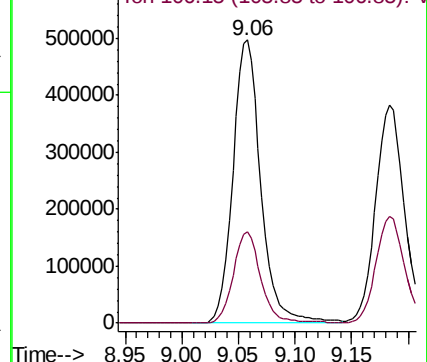
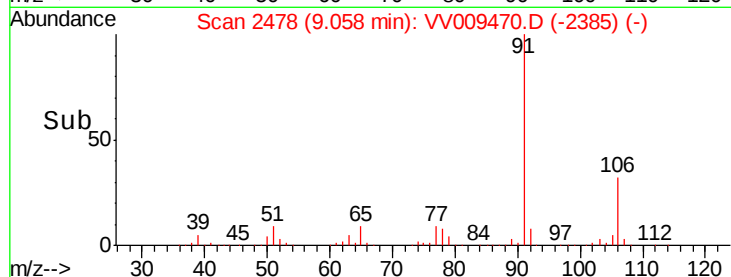
Ion Ratio Lower Upper

91 100

106 32.2 22.7 42.1



Abundance Ion 91.15 (90.85 to 91.85): VV009470.D (-2385) (-)



#53

m,p-xylene

Concen: 23.043 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV009470.D

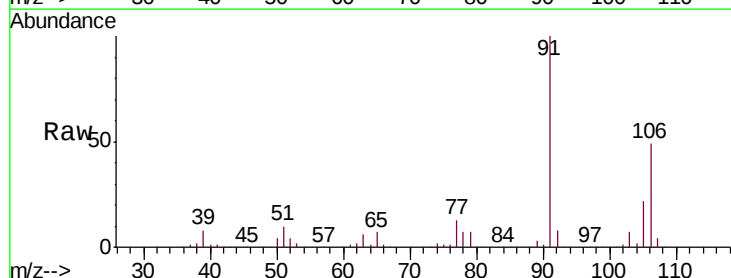
Acq: 04 Mar 2019 14:02

Tgt Ion: 106 Resp: 333813

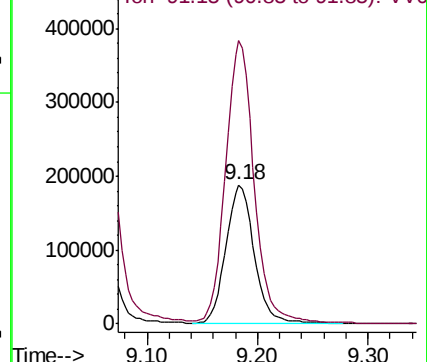
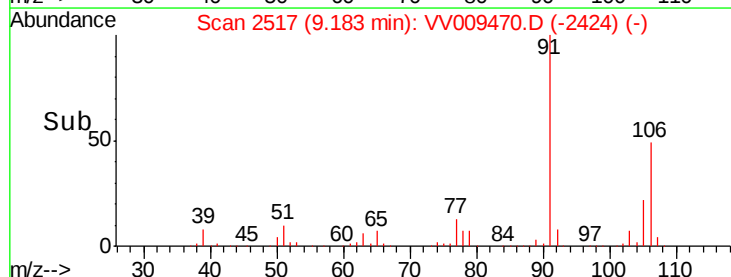
Ion Ratio Lower Upper

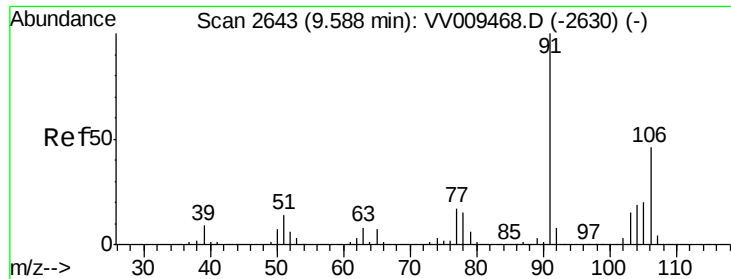
106 100

91 203.5 143.2 266.0



Abundance Ion 106.15 (105.85 to 106.85): VV009470.D (-2424) (-)





#54

o-xylene

Concen: 23.511 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. -0.00 min

Lab File: VV009470.D

Acq: 04 Mar 2019 14:02

Instrument :

MSVOA_V

ClientSampleId :

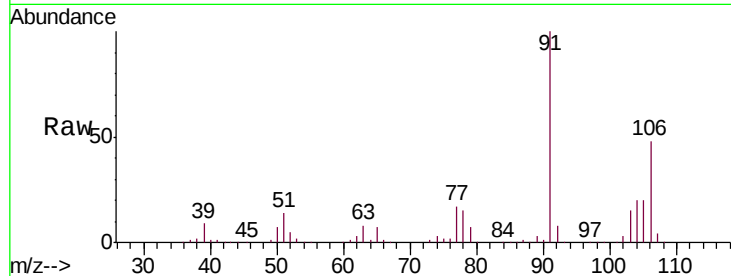
VSTD02066

Tgt Ion:106 Resp: 329170

Ion Ratio Lower Upper

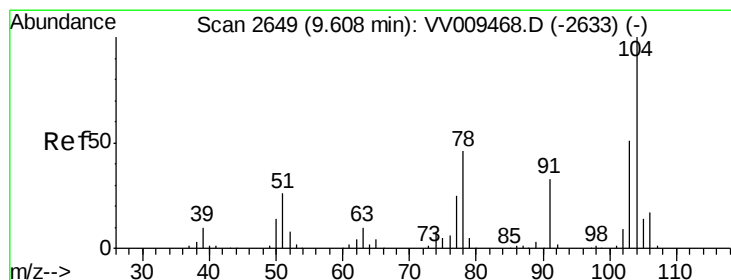
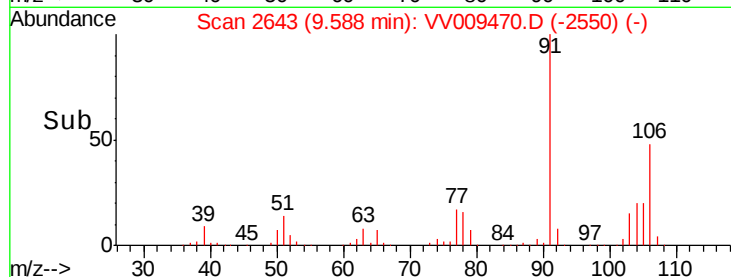
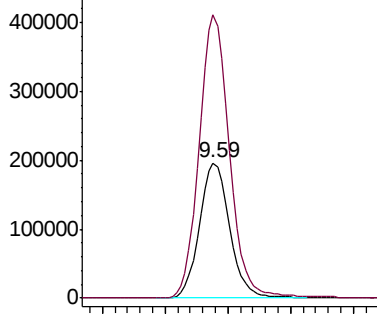
106 100

91 209.2 152.9 283.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 23.822 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. -0.00 min

Lab File: VV009470.D

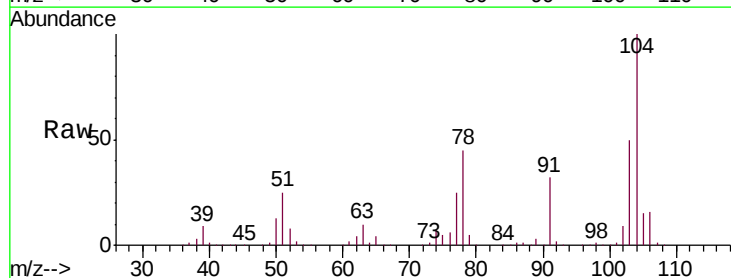
Acq: 04 Mar 2019 14:02

Tgt Ion:104 Resp: 542990

Ion Ratio Lower Upper

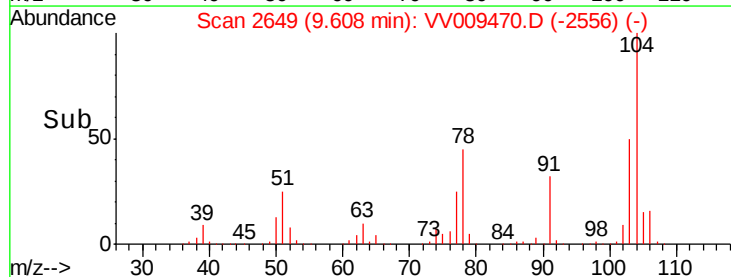
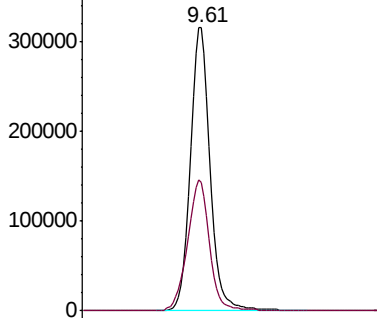
104 100

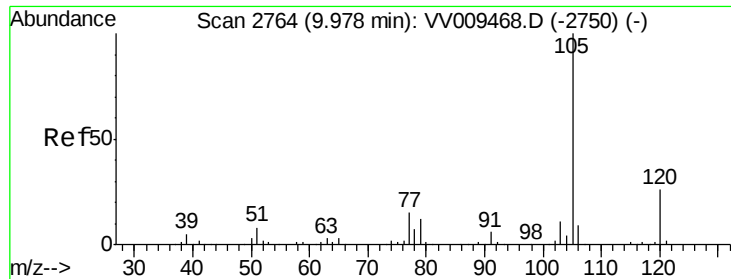
78 45.2 32.2 59.8



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 23.347 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. -0.00 min

Lab File: VV009470.D

Acq: 04 Mar 2019 14:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD02066

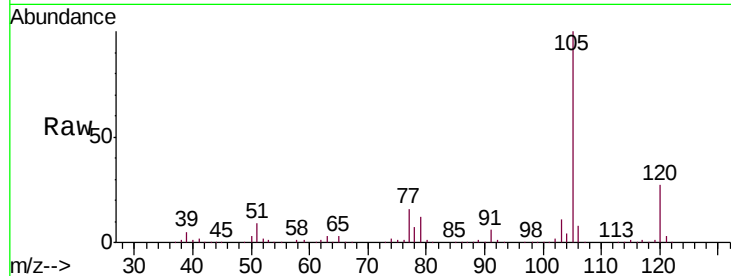
Tgt Ion: 105 Resp: 875625

Ion Ratio Lower Upper

105 100

120 26.9 21.4 32.2

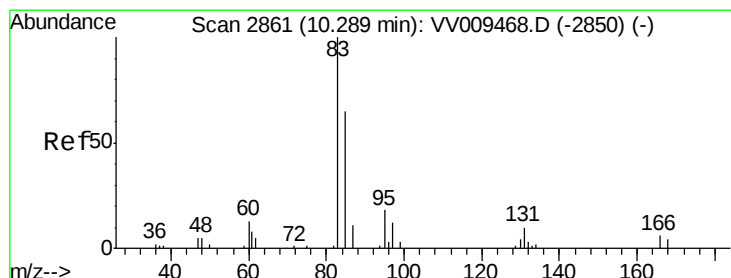
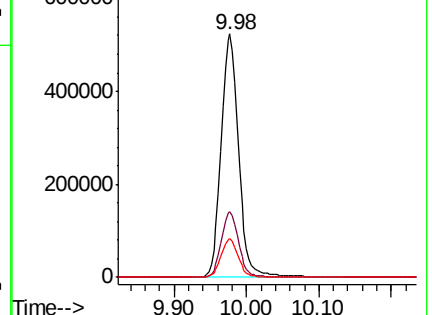
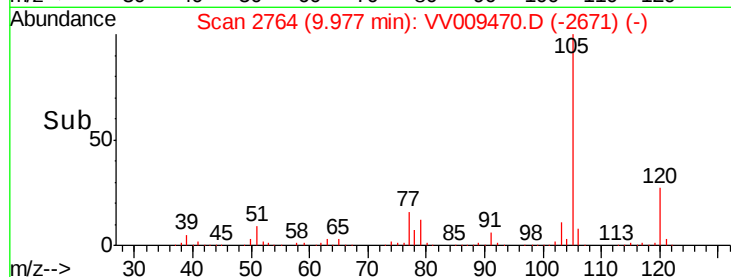
77 15.8 12.6 19.0



Abundance Ion 105.05 (104.75 to 105.75): VV009470.D (-2671) (-)

Ion 120.10 (119.80 to 120.80): VV009470.D (-2671) (-)

Ion 77.10 (76.80 to 77.80): VV009470.D (-2671) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 23.405 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. -0.00 min

Lab File: VV009470.D

Acq: 04 Mar 2019 14:02

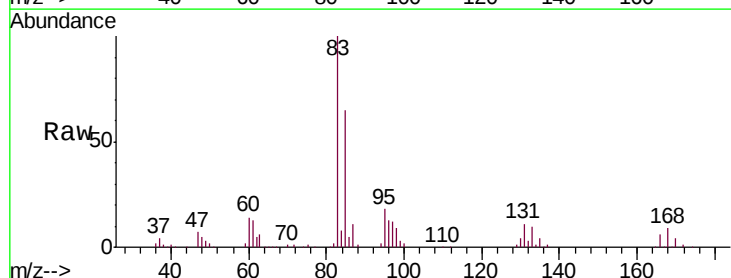
Tgt Ion: 83 Resp: 140045

Ion Ratio Lower Upper

83 100

85 65.3 45.8 85.2

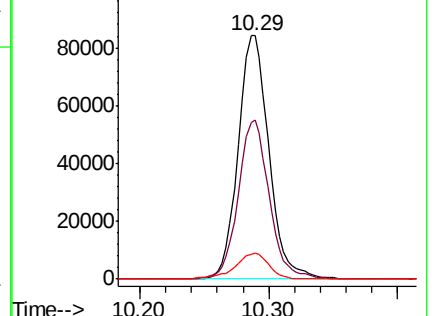
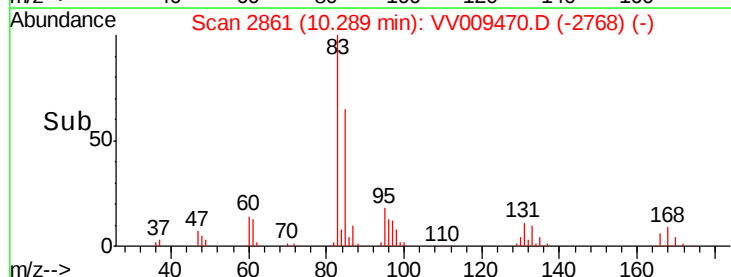
131 10.7 9.0 13.4

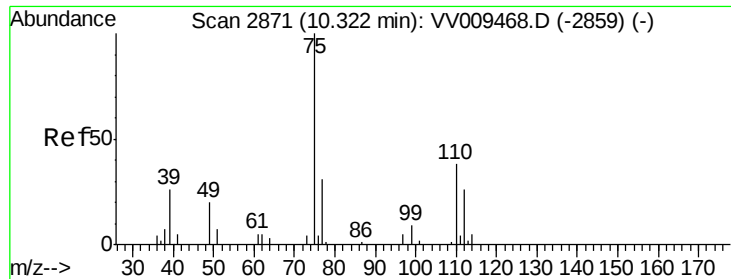


Abundance Ion 82.95 (82.65 to 83.65): VV009470.D (-2768) (-)

Ion 85.00 (84.70 to 85.70): VV009470.D (-2768) (-)

Ion 130.95 (130.65 to 131.65): VV009470.D (-2768) (-)

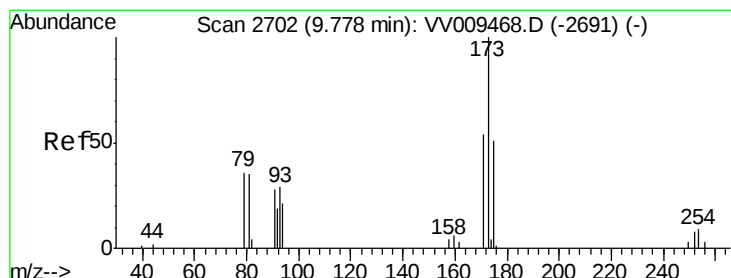
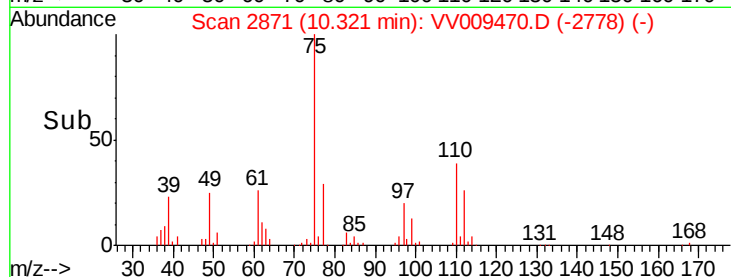
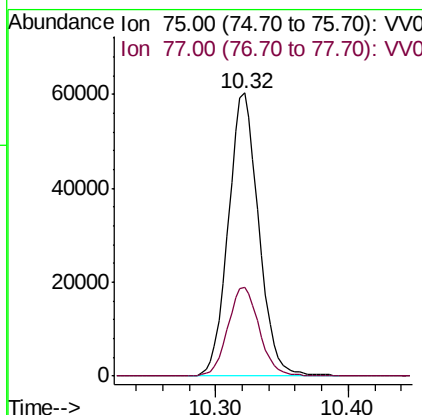
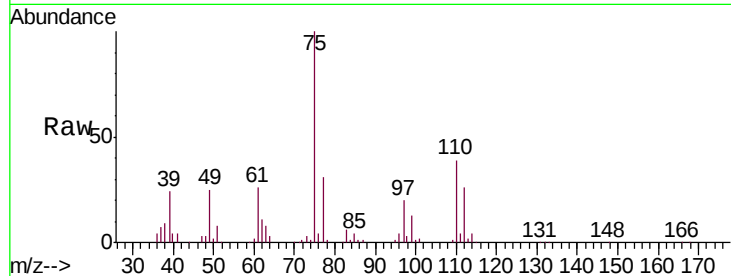




#59
 1,2,3-Trichloropropane
 Concen: 23.462 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VV009470.D
 Acq: 04 Mar 2019 14:02

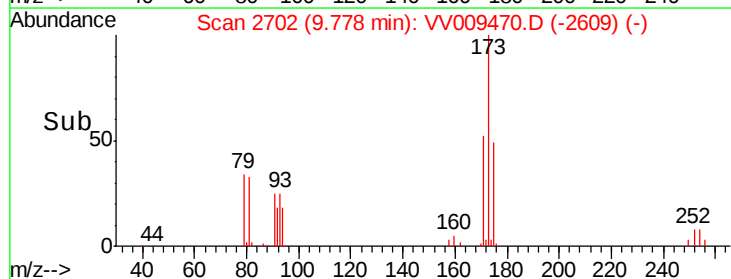
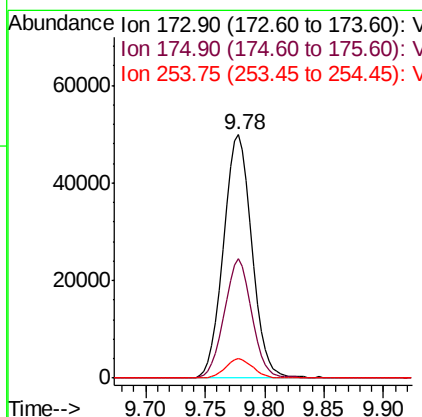
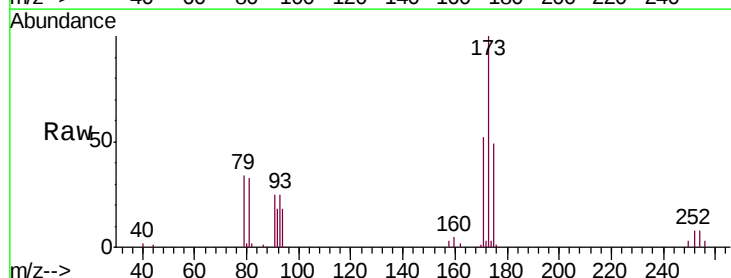
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02066

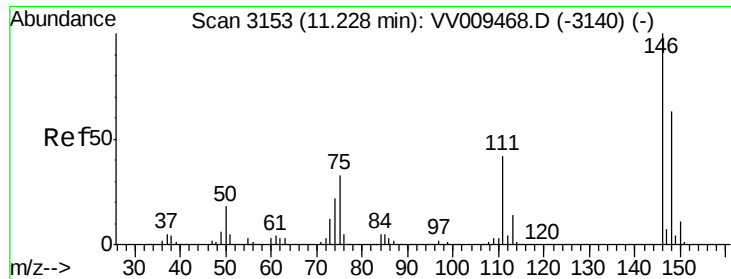
Tgt Ion: 75 Resp: 96118
 Ion Ratio Lower Upper
 75 100
 77 32.6 25.7 38.5



#61
 Bromoform
 Concen: 24.032 ug/L
 RT: 9.78 min Scan# 2702
 Delta R.T. -0.00 min
 Lab File: VV009470.D
 Acq: 04 Mar 2019 14:02

Tgt Ion: 173 Resp: 82702
 Ion Ratio Lower Upper
 173 100
 175 47.3 40.0 60.0
 254 7.7 6.2 9.2

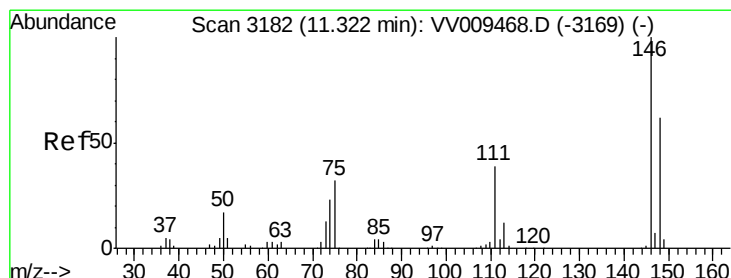
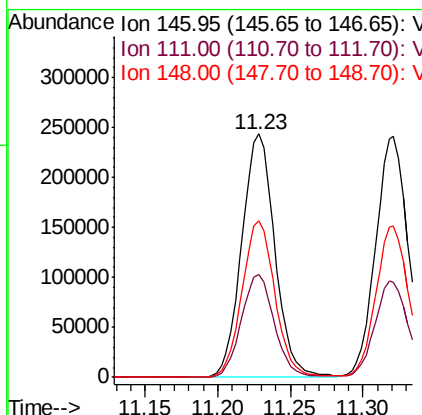
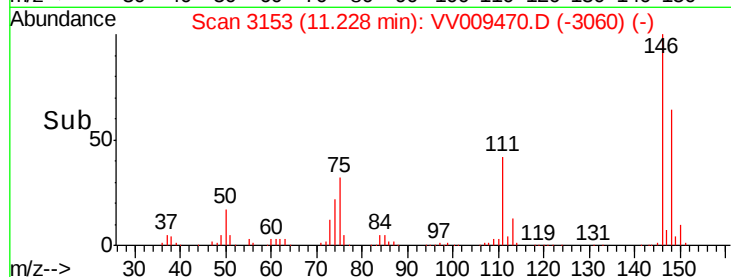
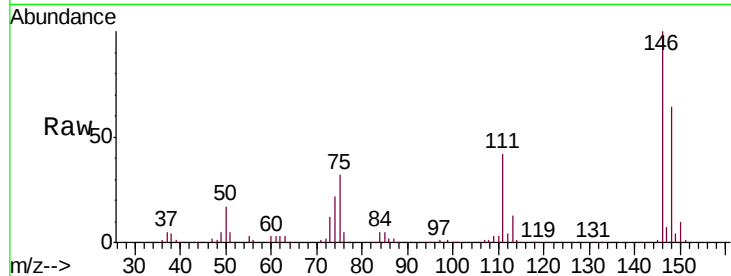




#62
 1,3-Dichlorobenzene
 Concen: 22.295 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. -0.00 min
 Lab File: VV009470.D
 Acq: 04 Mar 2019 14:02

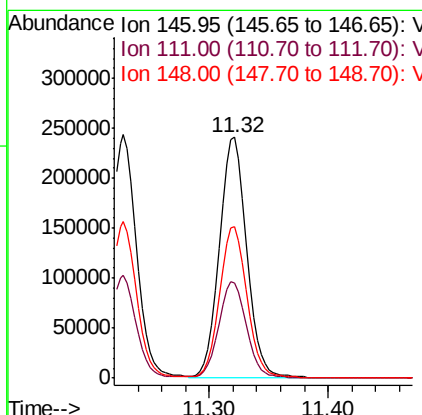
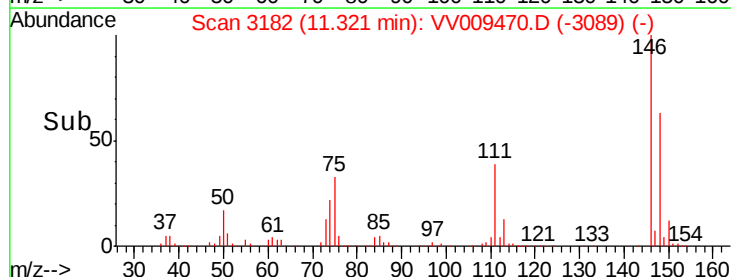
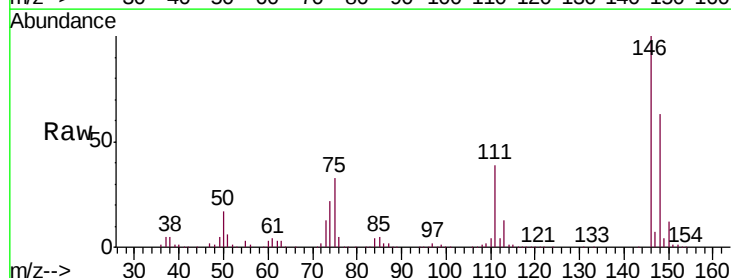
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02066

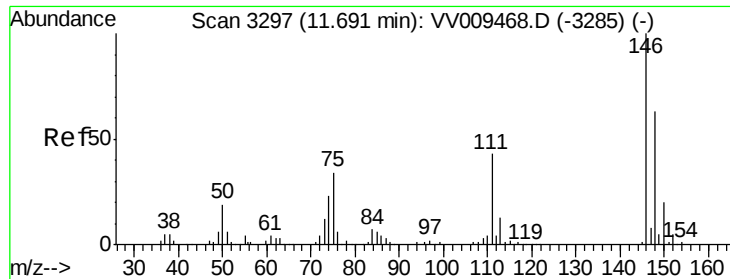
Tgt Ion:146 Resp: 388755
 Ion Ratio Lower Upper
 146 100
 111 42.0 29.7 55.1
 148 64.2 44.2 82.0



#63
 1,4-Dichlorobenzene
 Concen: 22.405 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. -0.00 min
 Lab File: VV009470.D
 Acq: 04 Mar 2019 14:02

Tgt Ion:146 Resp: 385133
 Ion Ratio Lower Upper
 146 100
 111 39.4 27.4 51.0
 148 62.7 43.6 81.0





#65

1,2-Dichlorobenzene

Concen: 22.428 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. -0.00 min

Lab File: VV009470.D

Acq: 04 Mar 2019 14:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD02066

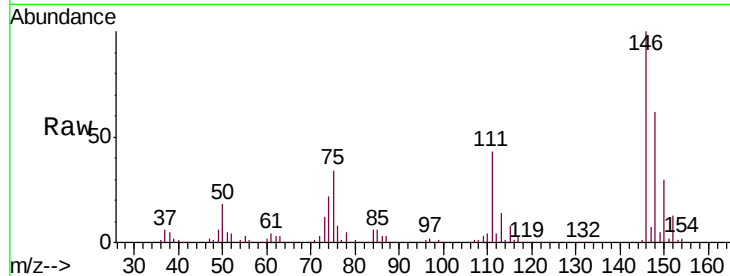
Tgt Ion: 146 Resp: 354657

Ion Ratio Lower Upper

146 100

111 43.3 34.7 52.1

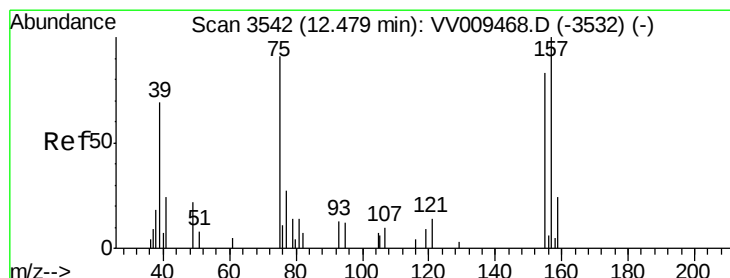
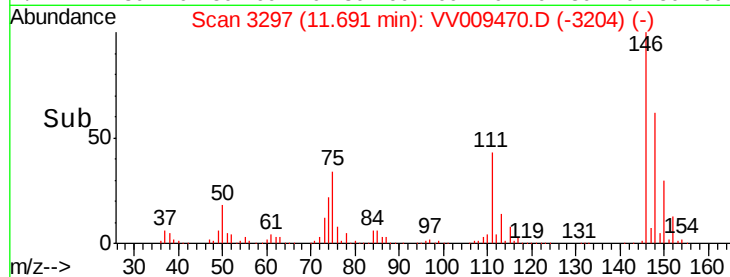
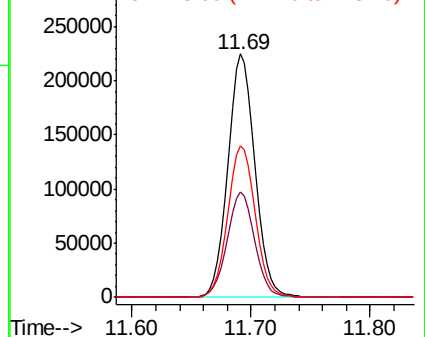
148 62.4 50.6 76.0



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



#66

1,2-Dibromo-3-chloropropane

Concen: 23.748 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. -0.00 min

Lab File: VV009470.D

Acq: 04 Mar 2019 14:02

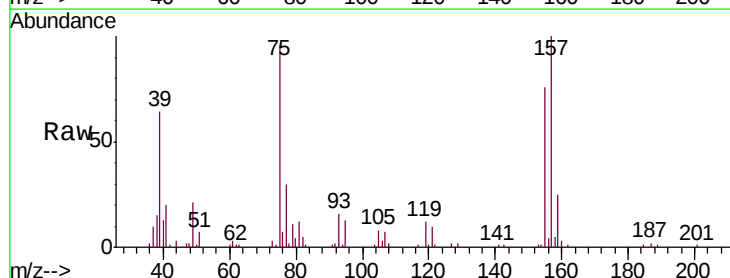
Tgt Ion: 75 Resp: 23789

Ion Ratio Lower Upper

75 100

155 79.4 73.5 110.3

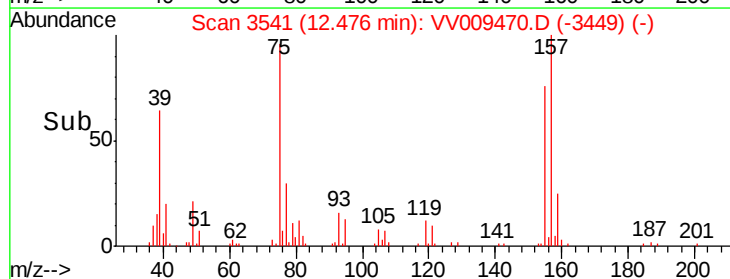
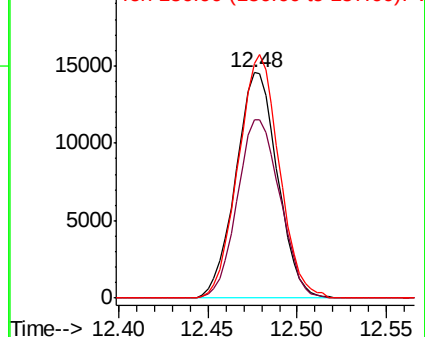
157 104.3 88.3 132.5

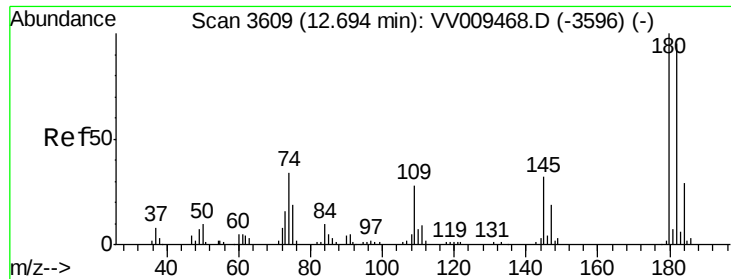


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

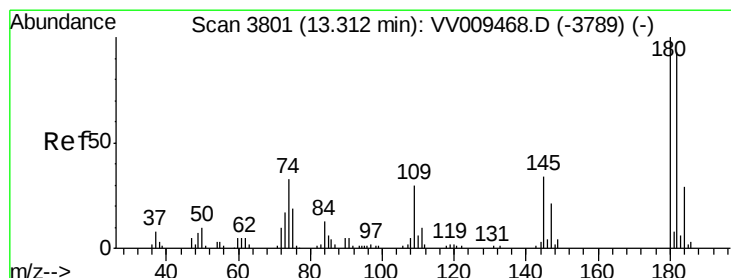
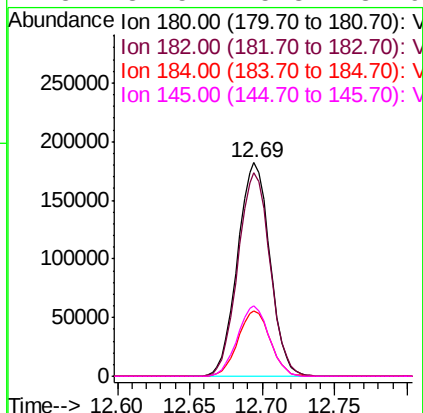
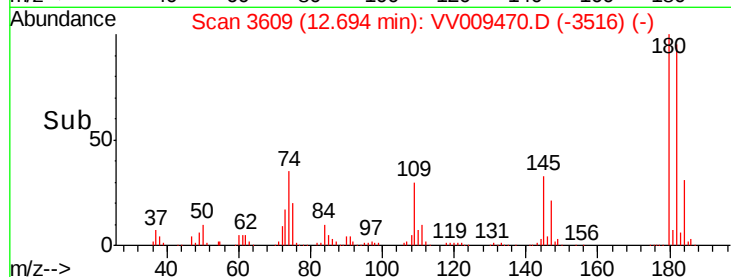
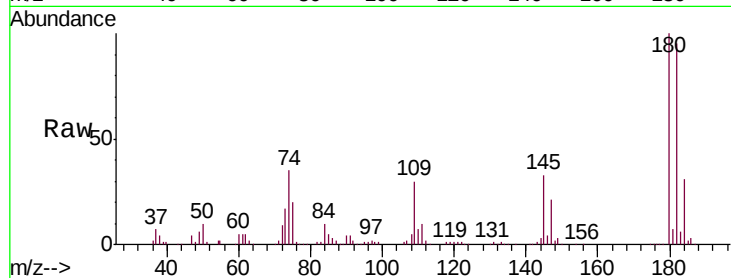




#67
 1,3,5-Trichlorobenzene
 Concen: 22.650 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VV009470.D
 Acq: 04 Mar 2019 14:02

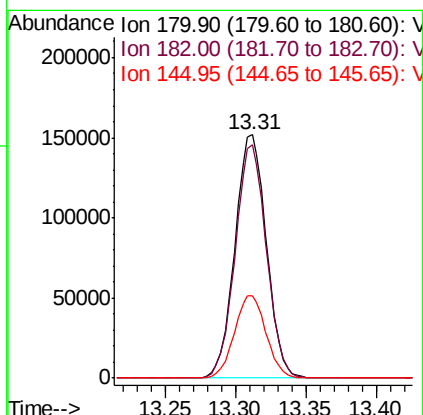
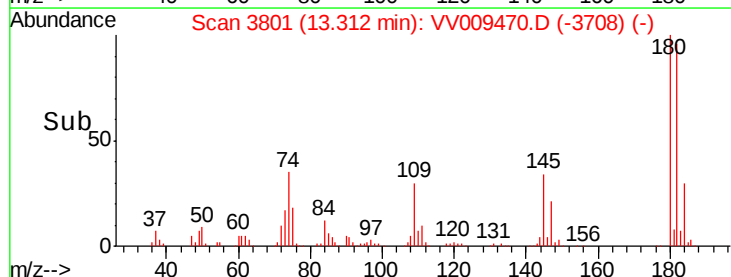
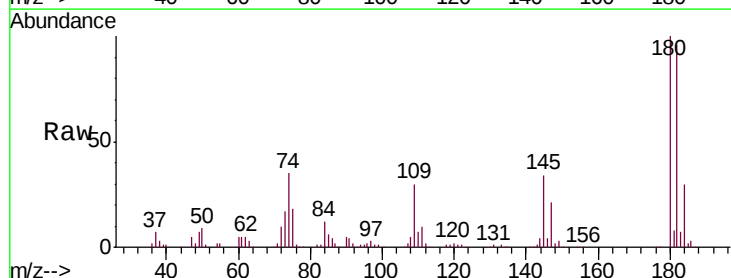
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD02066

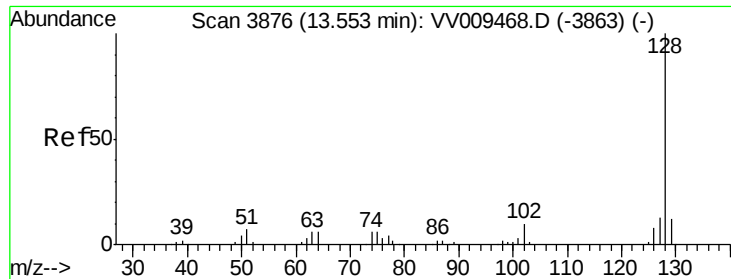
Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	75.0	112.6
184	30.3	23.9	35.9
145	32.5	25.3	37.9



#68
 1,2,4-trichlorobenzene
 Concen: 25.014 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. -0.00 min
 Lab File: VV009470.D
 Acq: 04 Mar 2019 14:02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	75.2	112.8
145	34.0	26.6	39.8





#69

Naphthalene

Concen: 25.962 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. -0.00 min

Lab File: VV009470.D

Acq: 04 Mar 2019 14:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD02066

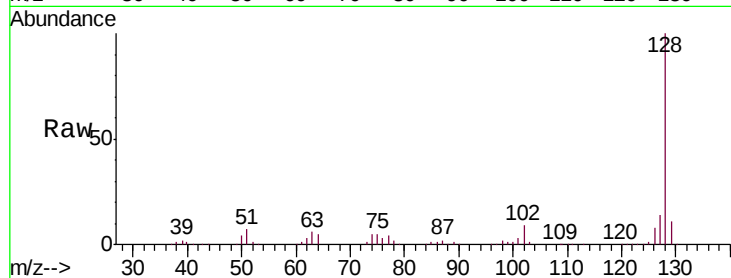
Tgt Ion:128 Resp: 412460

Ion Ratio Lower Upper

128 100

129 10.8 8.9 13.3

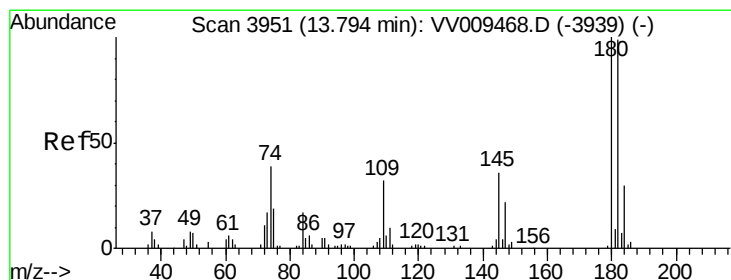
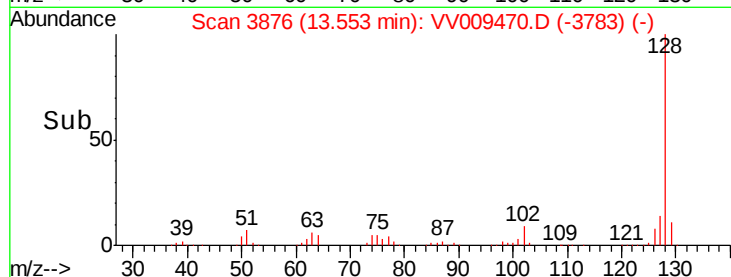
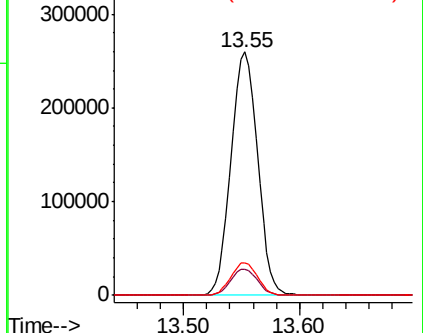
127 13.5 10.4 15.6



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: 24.420 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. -0.00 min

Lab File: VV009470.D

Acq: 04 Mar 2019 14:02

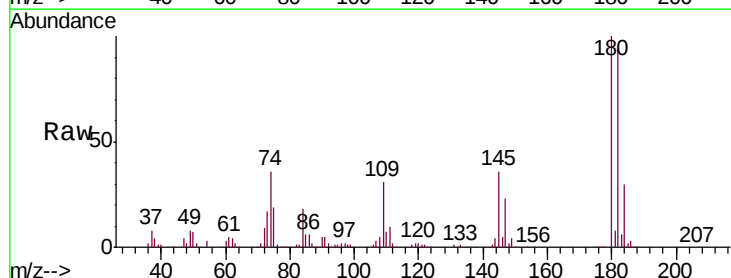
Tgt Ion:180 Resp: 212141

Ion Ratio Lower Upper

180 100

182 95.2 76.8 115.2

145 35.5 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

