

Data File : VV009469.D
Acq On : 04 Mar 2019 13:36
Operator : SY/MD
Sample : VSTD01065
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD01065

Quant Time: Mar 05 03:50:11 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	125331	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	125922	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	61860	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	73821	10.72	ug/L	0.00
7) Chloroethane-d5	1.58	69	68260	11.08	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	178744	10.32	ug/L	0.00
20) 2-Butanone-d5	3.96	46	136545	106.04	ug/L	-0.02
24) Chloroform-d	4.40	84	133003	10.12	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	64627	9.97	ug/L	0.00
32) Benzene-d6	5.10	84	268852	9.76	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	77660	9.31	ug/L	0.00
41) Toluene-d8	7.36	98	272810	9.74	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	34673	9.43	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	111727	94.34	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	62701	9.73	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	97298	9.72	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	75154	9.749 ug/L	97
3) Chloromethane	1.25	50	81987	10.007 ug/L	100
5) Vinyl chloride	1.32	62	90414	10.002 ug/L	97
6) Bromomethane	1.54	94	59206	9.693 ug/L	99
8) Chloroethane	1.60	64	67266	11.231 ug/L	100
9) Trichlorofluoromethane	1.77	101	206669	10.820 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	95724	10.160 ug/L	98
12) 1,1-Dichloroethene	2.14	96	83448	10.013 ug/L	97
13) Acetone	2.22	43	124196	102.835 ug/L #	48
14) Carbon disulfide	2.32	76	276631	10.132 ug/L	99
15) Methyl Acetate	2.47	43	32221	10.283 ug/L	98
16) Methylene chloride	2.54	84	88155	9.519 ug/L	99
17) Methyl tert-butyl Ether	2.81	73	220488	10.329 ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	92710	10.194 ug/L	97
19) 1,1-Dichloroethane	3.23	63	128432	10.712 ug/L	98
21) 2-Butanone	4.05	43	162284	107.560 ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	83267	9.846 ug/L	99
23) Bromochloromethane	4.30	128	34290	10.140 ug/L	94
25) Chloroform	4.43	83	148068	10.137 ug/L	97
27) 1,2-Dichloroethane	5.18	62	89956	10.454 ug/L	96
29) 1,1,1-Trichloroethane	4.66	97	138515	9.693 ug/L	98
30) Cyclohexane	4.72	56	131779	9.559 ug/L	99
31) Carbon tetrachloride	4.87	117	117172	9.927 ug/L	98
33) Benzene	5.15	78	321312	9.806 ug/L	100
34) Trichloroethene	5.96	95	92597	9.893 ug/L	98
35) Methylcyclohexane	6.17	83	148865	9.636 ug/L	99
37) 1,2-Dichloropropane	6.23	63	78597	9.762 ug/L	100
38) Bromodichloromethane	6.56	83	112395	10.080 ug/L	94
39) cis-1,3-Dichloropropene	7.07	75	130071	10.231 ug/L	93
40) 4-Methyl-2-pentanone	7.28	43	431688	99.049 ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	369104	9.777	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	103567	10.465	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	56578	9.765	ug/L	97
47) Tetrachloroethene	8.02	164	69992	9.546	ug/L	96
48) 2-Hexanone	8.19	43	304956	104.257	ug/L	95
49) Dibromochloromethane	8.29	129	75555	9.987	ug/L	95
50) 1,2-Dibromoethane	8.40	107	56221	10.168	ug/L	94
51) Chlorobenzene	8.93	112	246706	10.030	ug/L	99
52) Ethylbenzene	9.06	91	428954	9.974	ug/L	99
53) m,p-xylene	9.18	106	172965	10.294	ug/L	99
54) o-xylene	9.59	106	162972	10.036	ug/L	95
55) Styrene	9.60	104	265989	10.061	ug/L	97
56) Isopropylbenzene	9.98	105	439086	10.094	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	70839	10.207	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	49933	10.509	ug/L	97
61) Bromoform	9.78	173	39644	10.294	ug/L	97
62) 1,3-Dichlorobenzene	11.23	146	194245	9.955	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	194191	10.095	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	178316	10.077	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	11447	10.212	ug/L	85
67) 1,3,5-Trichlorobenzene	12.69	180	142977	10.251	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	117283	11.049	ug/L	99
69) Naphthalene	13.55	128	200818	11.295	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	105560	10.859	ug/L	98

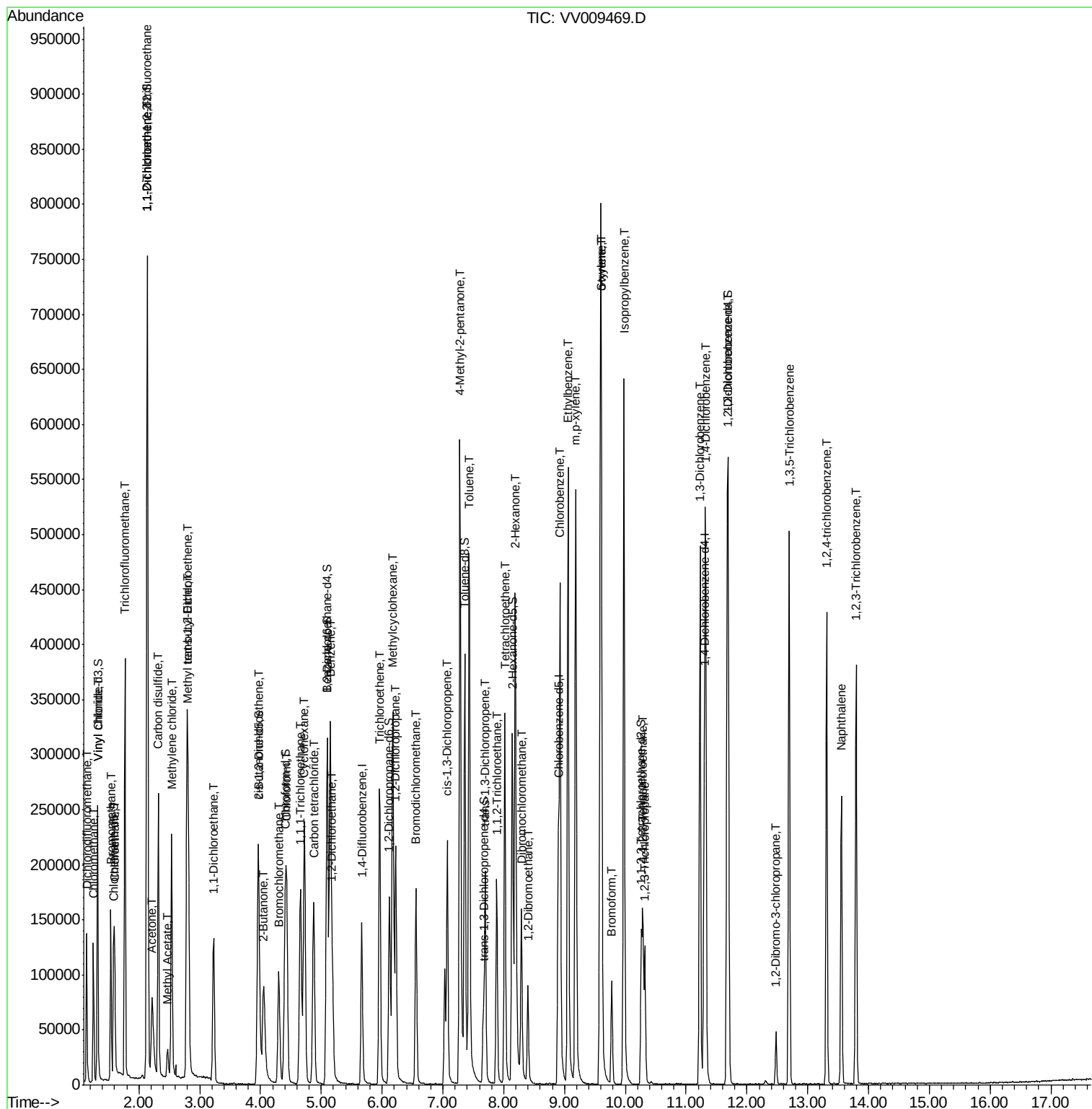
(#) = qualifier out of range (m) = manual integration (+) = signals summed

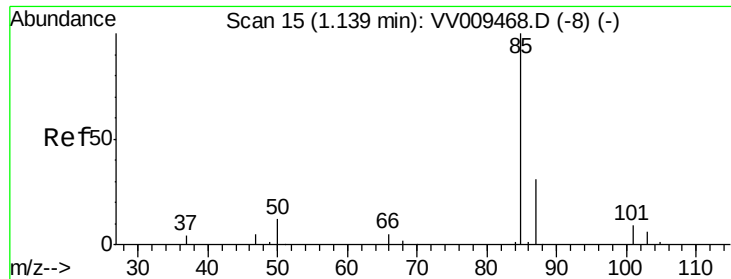
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#2

Dichlorodifluoromethane

Concen: 9.749 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV009469.D

Acq: 04 Mar 2019 13:36

Instrument :

MSVOA_V

ClientSampleId :

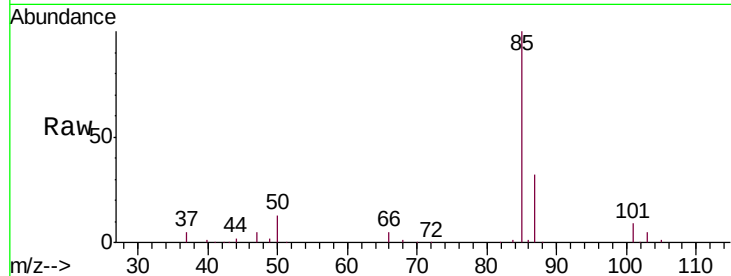
VSTD01065

Tgt Ion: 85 Resp: 75154

Ion Ratio Lower Upper

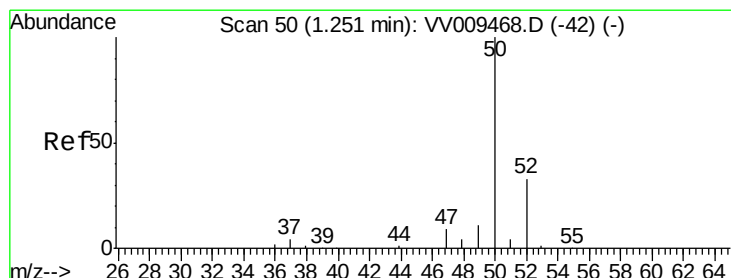
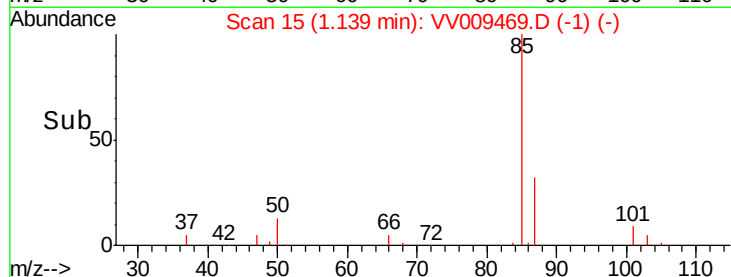
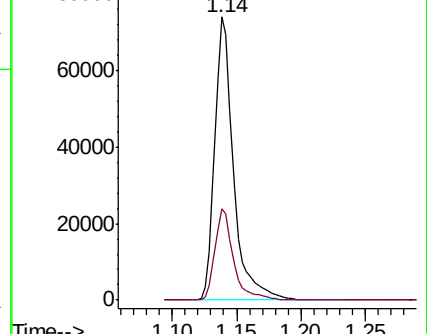
85 100

87 32.0 24.4 36.6



Abundance Ion 85.00 (84.70 to 85.70): VV009468.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV009468.D (-8) (-)



#3

Chloromethane

Concen: 10.007 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV009469.D

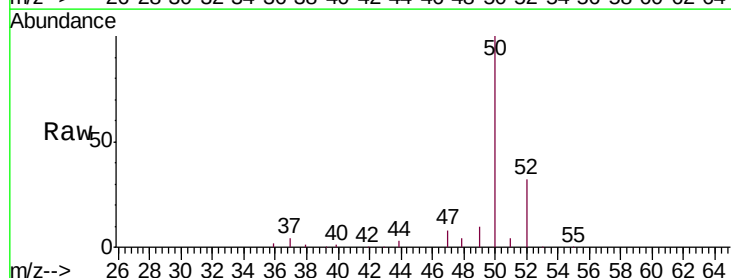
Acq: 04 Mar 2019 13:36

Tgt Ion: 50 Resp: 81987

Ion Ratio Lower Upper

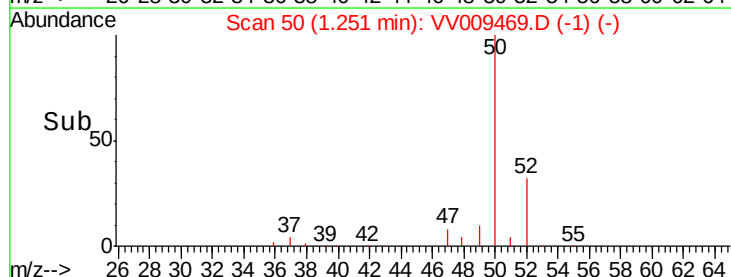
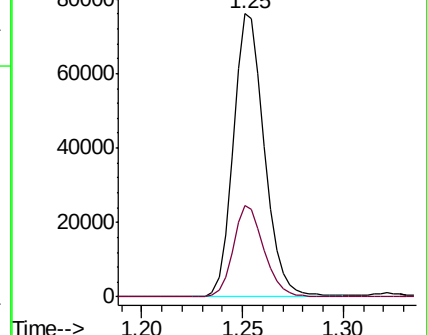
50 100

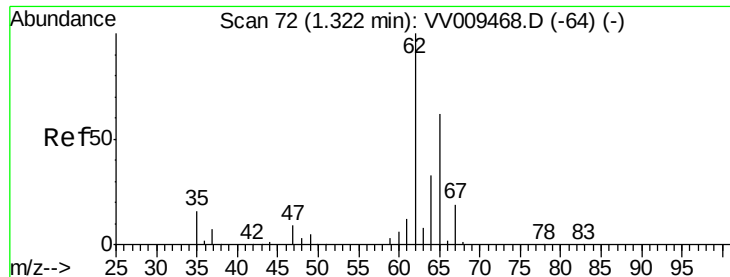
52 32.5 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV009468.D (-42) (-)

Ion 52.05 (51.75 to 52.75): VV009468.D (-42) (-)





#5

Vinyl chloride

Concen: 10.002 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV009469.D

Acq: 04 Mar 2019 13:36

Instrument :

MSVOA_V

ClientSampleId :

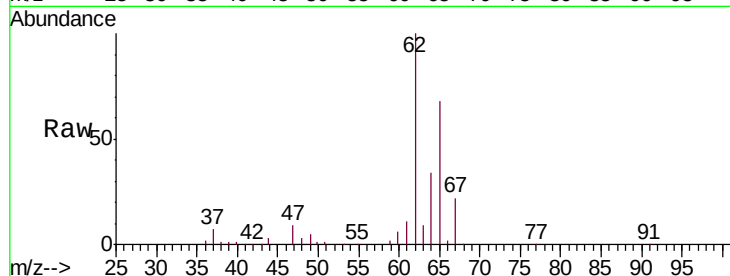
VSTD01065

Tgt Ion: 62 Resp: 90414

Ion Ratio Lower Upper

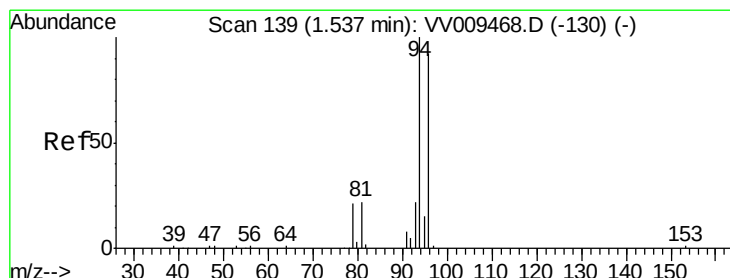
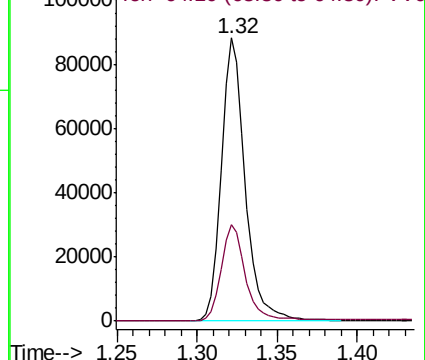
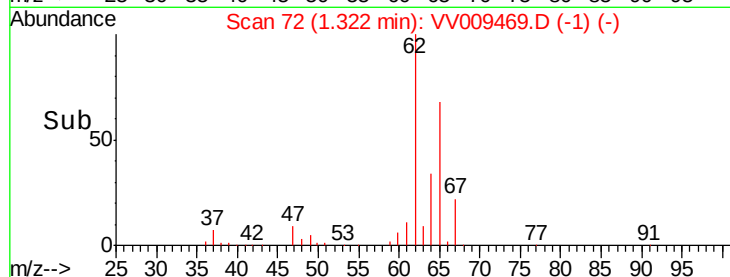
62 100

64 34.2 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VV009468.D (-64) (-)

Ion 64.10 (63.80 to 64.80): VV009469.D (-1) (-)



#6

Bromomethane

Concen: 9.693 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV009469.D

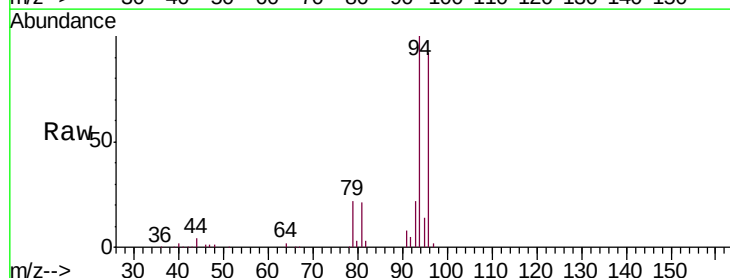
Acq: 04 Mar 2019 13:36

Tgt Ion: 94 Resp: 59206

Ion Ratio Lower Upper

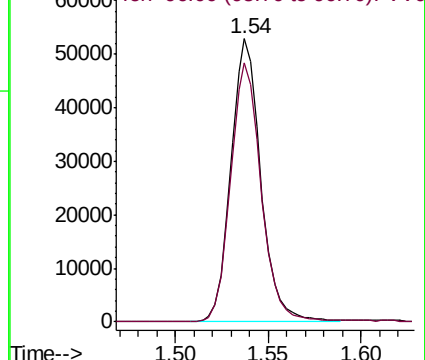
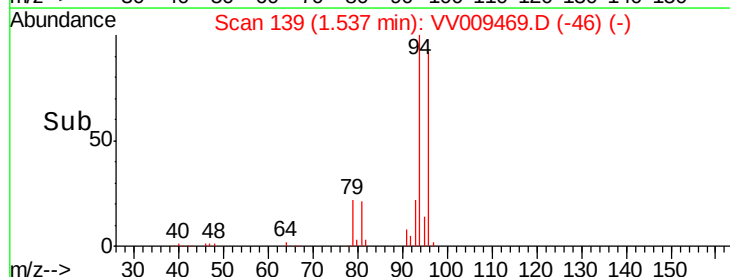
94 100

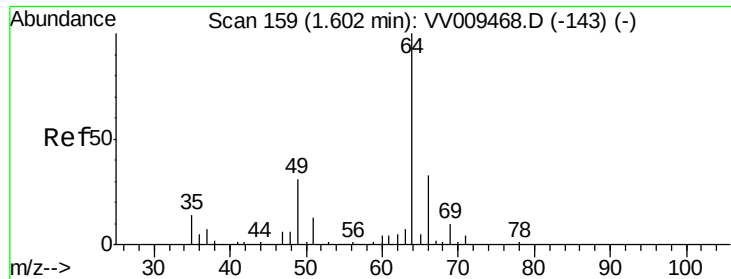
96 91.5 64.6 120.0



Abundance Ion 94.00 (93.70 to 94.70): VV009468.D (-130) (-)

Ion 96.00 (95.70 to 96.70): VV009469.D (-46) (-)





#8

Chloroethane

Concen: 11.231 ug/L

RT: 1.60 min Scan# 159

Delta R.T. -0.00 min

Lab File: VV009469.D

Acq: 04 Mar 2019 13:36

Instrument :

MSVOA_V

ClientSampleId :

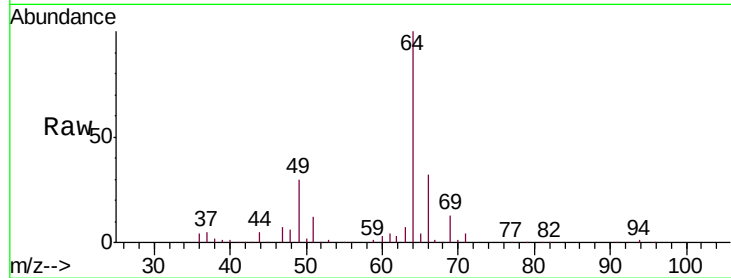
VSTD01065

Tgt Ion: 64 Resp: 67266

Ion Ratio Lower Upper

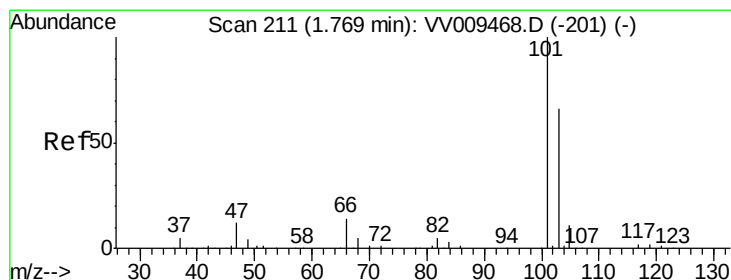
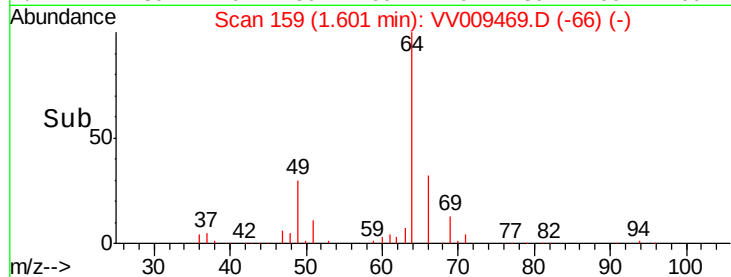
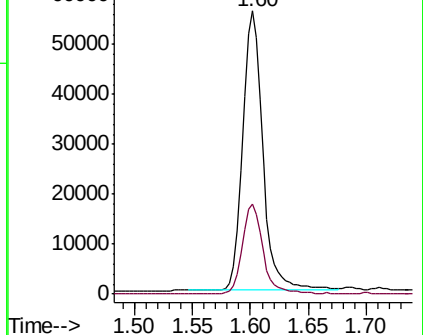
64 100

66 31.8 22.4 41.6



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

Ion 66.05 (65.75 to 66.75): VV009469.D (-66) (-)



#9

Trichlorofluoromethane

Concen: 10.820 ug/L

RT: 1.77 min Scan# 211

Delta R.T. -0.00 min

Lab File: VV009469.D

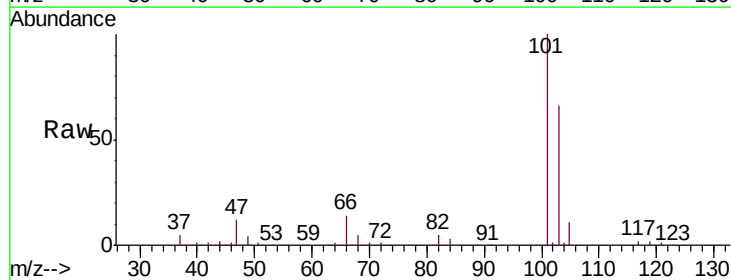
Acq: 04 Mar 2019 13:36

Tgt Ion: 101 Resp: 206669

Ion Ratio Lower Upper

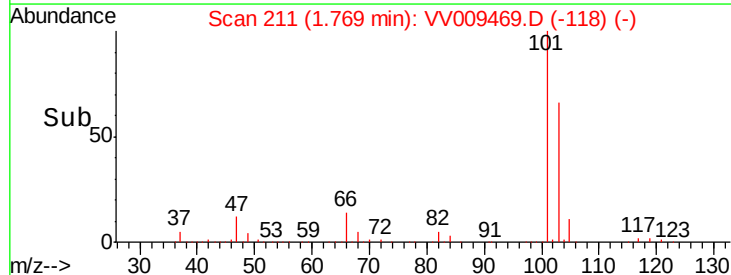
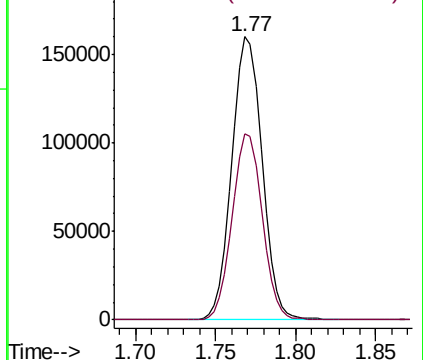
101 100

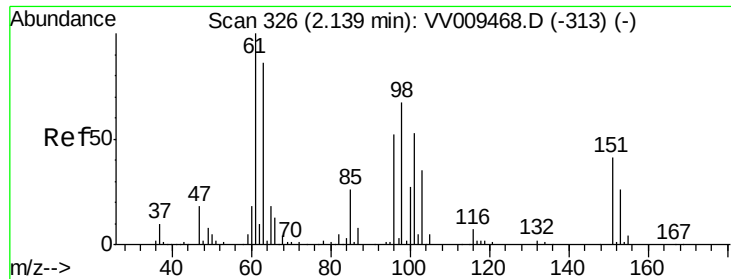
103 65.5 52.3 78.5



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

Ion 103.00 (102.70 to 103.70): VV009469.D (-118) (-)





#10

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

Concen: 10.160 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV009469.D

Acq: 04 Mar 2019 13:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD01065

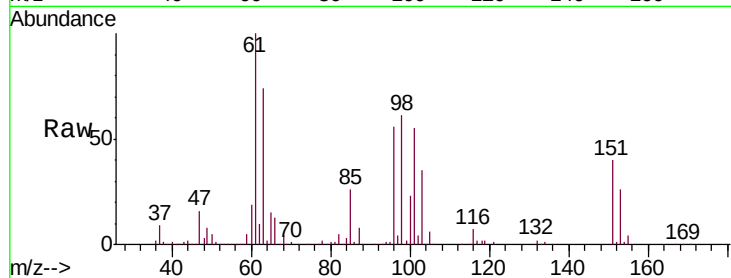
Tgt Ion: 101 Resp: 95724

Ion Ratio Lower Upper

101 100

85 49.5 39.2 58.8

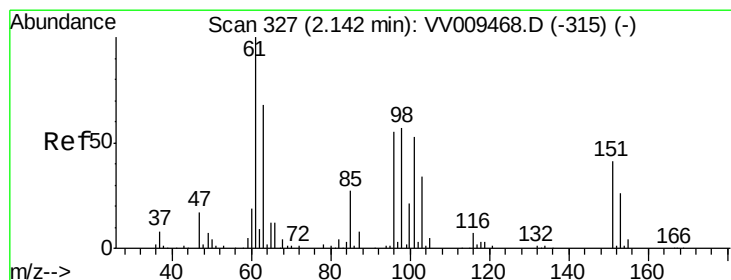
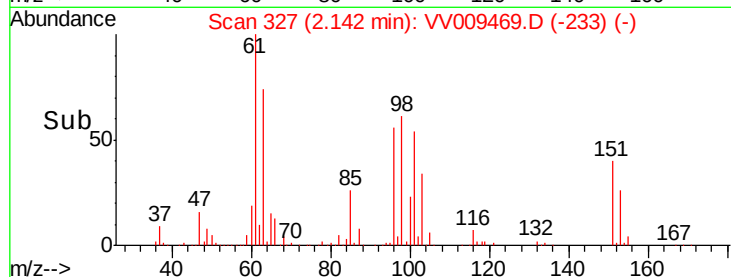
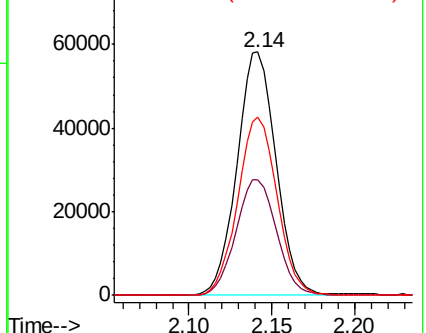
151 73.9 61.1 91.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 10.013 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV009469.D

Acq: 04 Mar 2019 13:36

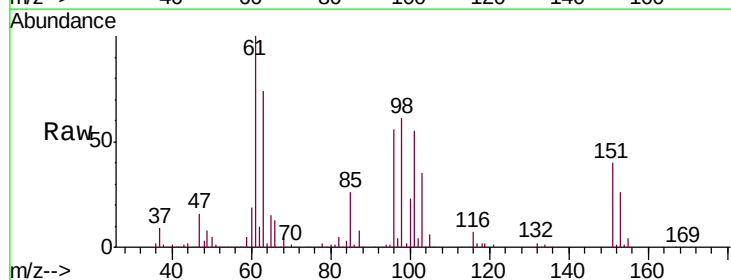
Tgt Ion: 96 Resp: 83448

Ion Ratio Lower Upper

96 100

61 178.4 127.1 236.0

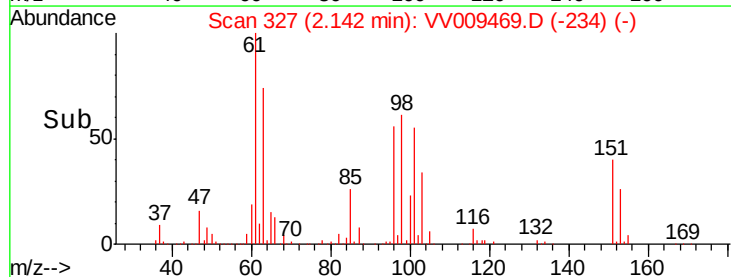
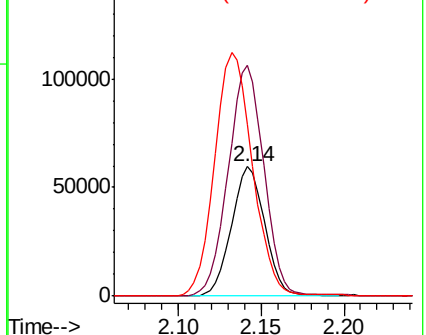
63 132.7 88.8 164.8

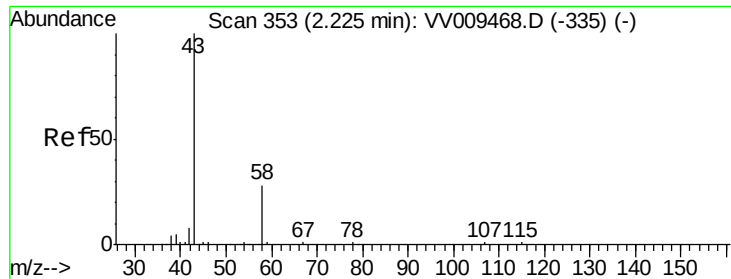


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 102.835 ug/L

RT: 2.22 min Scan# 351

Delta R.T. -0.01 min

Lab File: VV009469.D

Acq: 04 Mar 2019 13:36

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MSVOA_V

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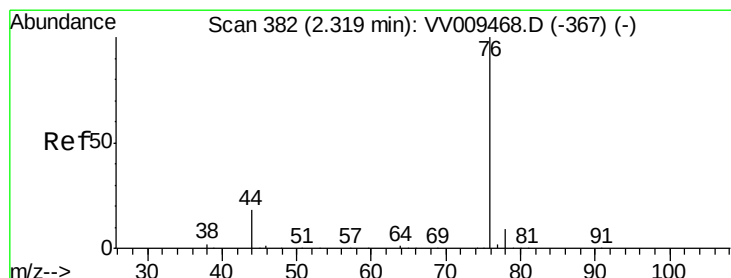
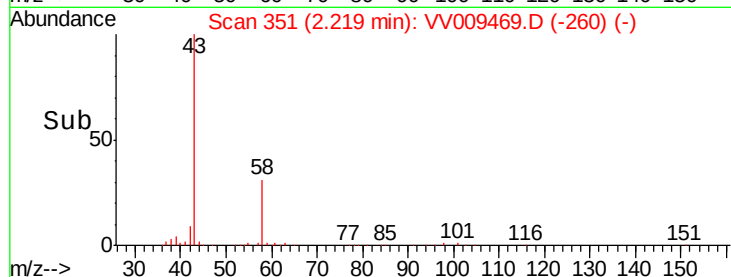
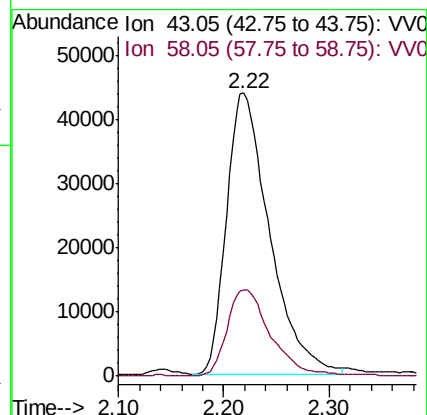
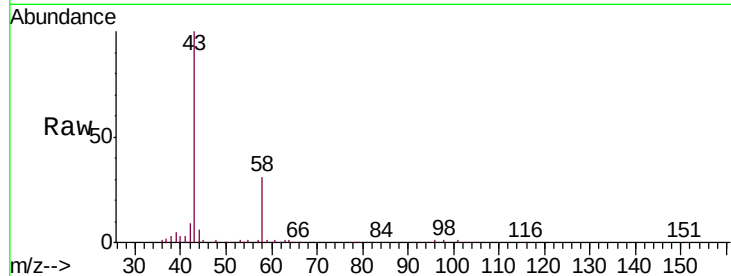
VSTD01065

Tgt Ion: 43 Resp: 124196

Ion Ratio Lower Upper

43 100

58 31.4 0.0 23.0#



#14

Carbon disulfide

Concen: 10.132 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VV009469.D

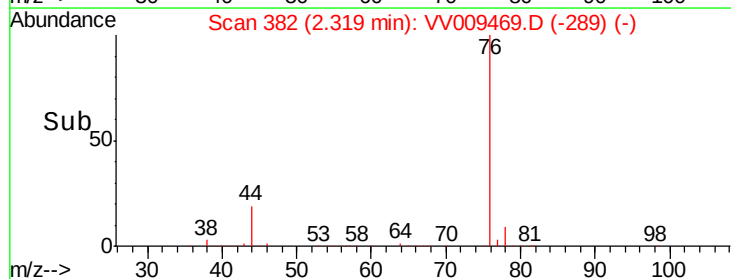
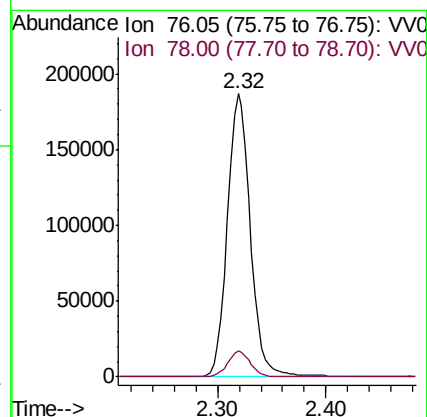
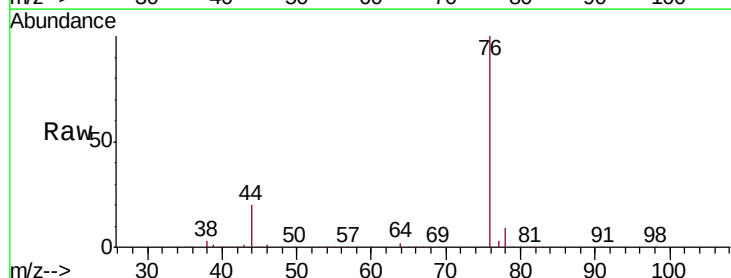
Acq: 04 Mar 2019 13:36

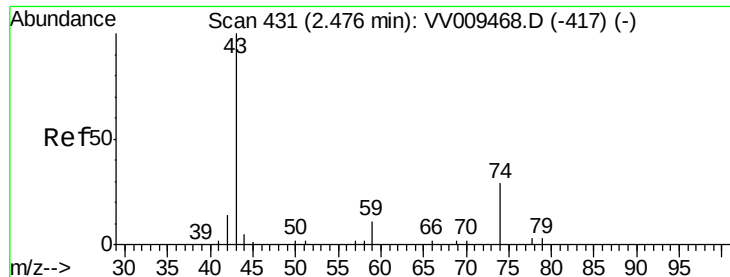
Tgt Ion: 76 Resp: 276631

Ion Ratio Lower Upper

76 100

78 9.2 7.7 11.5

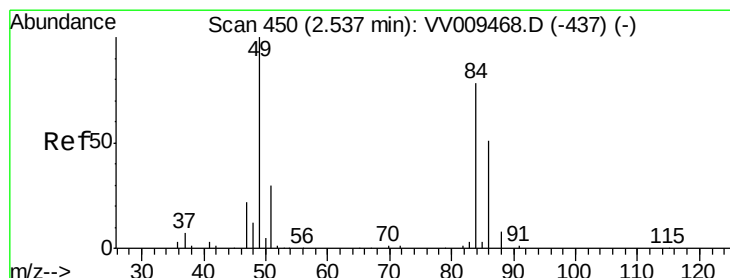
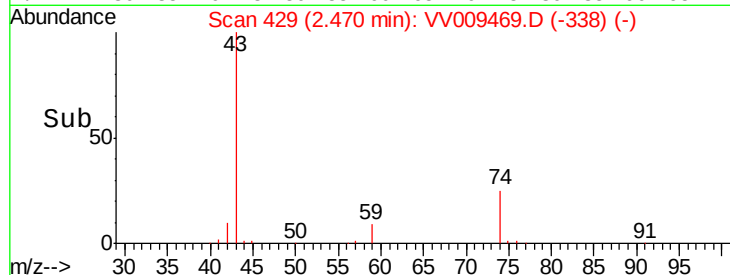
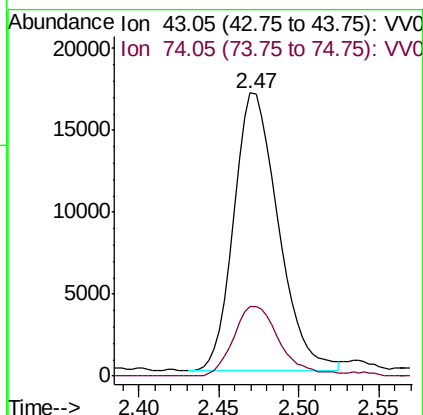
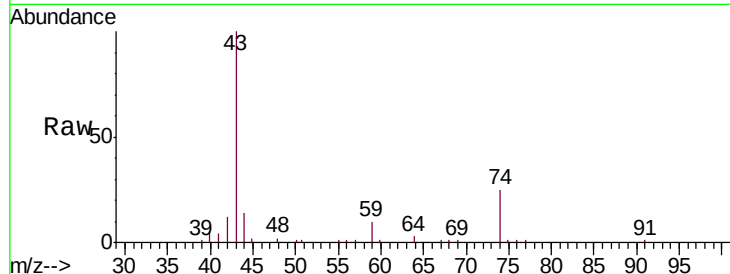




#15
Methyl Acetate
Concen: 10.283 ug/L
RT: 2.47 min Scan# 429
Delta R.T. -0.01 min
Lab File: VV009469.D
Acq: 04 Mar 2019 13:36

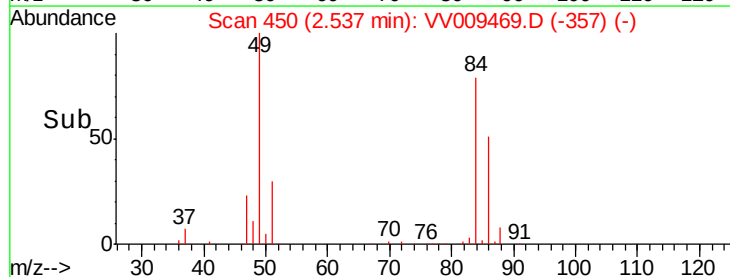
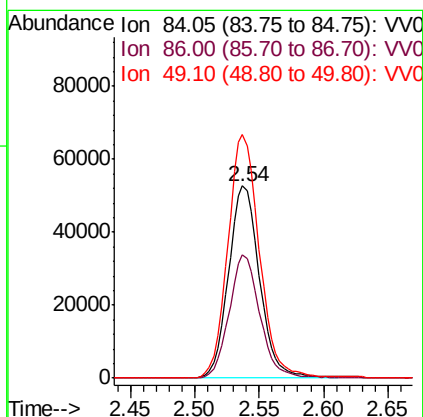
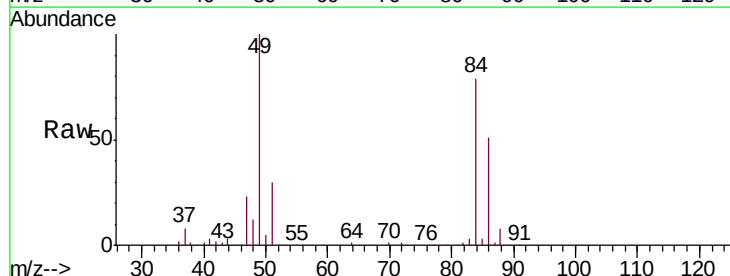
Instrument :
MSVOA_V
ClientSampleId :
VSTD01065

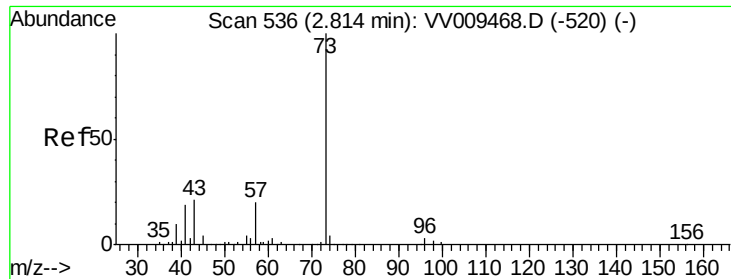
Tgt Ion: 43 Resp: 32221
Ion Ratio Lower Upper
43 100
74 26.3 21.8 32.6



#16
Methylene chloride
Concen: 9.519 ug/L
RT: 2.54 min Scan# 450
Delta R.T. -0.00 min
Lab File: VV009469.D
Acq: 04 Mar 2019 13:36

Tgt Ion: 84 Resp: 88155
Ion Ratio Lower Upper
84 100
86 64.4 46.1 85.5
49 126.8 89.7 166.5





#17

Methyl tert-butyl Ether

Concen: 10.329 ug/L

RT: 2.81 min Scan# 536

Delta R.T. -0.00 min

Lab File: VV009469.D

Acq: 04 Mar 2019 13:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD01065

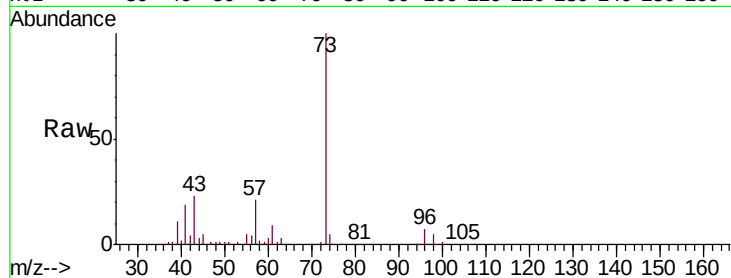
Tgt Ion: 73 Resp: 220488

Ion Ratio Lower Upper

73 100

43 22.3 17.2 25.8

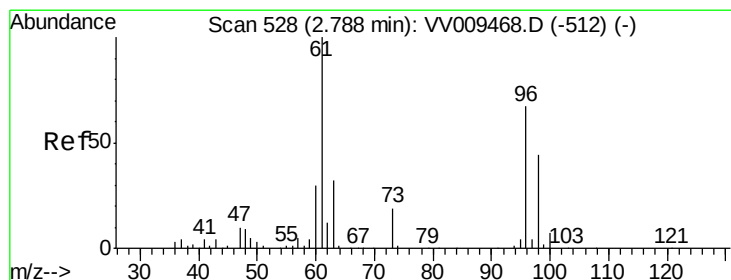
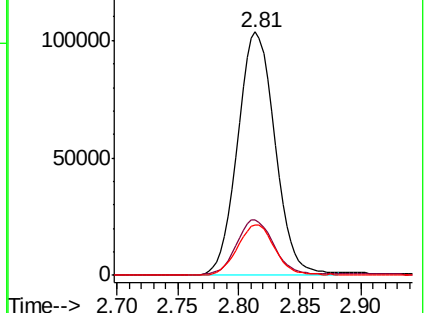
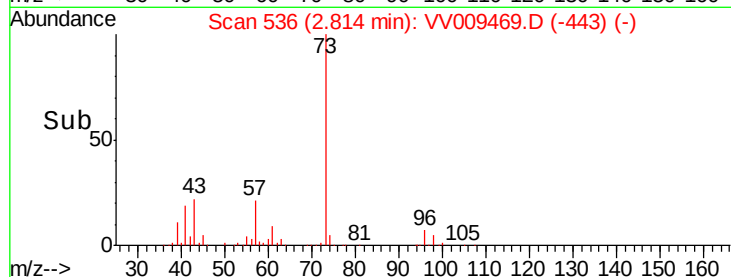
57 20.7 17.3 25.9



Abundance Ion 73.10 (72.80 to 73.80): VV009469.D (-443) (-)

Ion 43.05 (42.75 to 43.75): VV009469.D (-443) (-)

Ion 57.10 (56.80 to 57.80): VV009469.D (-443) (-)



#18

trans-1,2-Dichloroethene

Concen: 10.194 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV009469.D

Acq: 04 Mar 2019 13:36

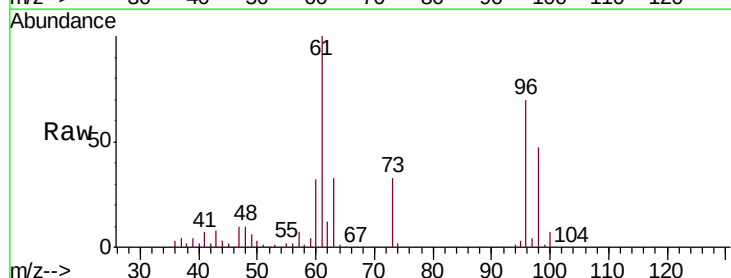
Tgt Ion: 96 Resp: 92710

Ion Ratio Lower Upper

96 100

61 142.9 103.9 192.9

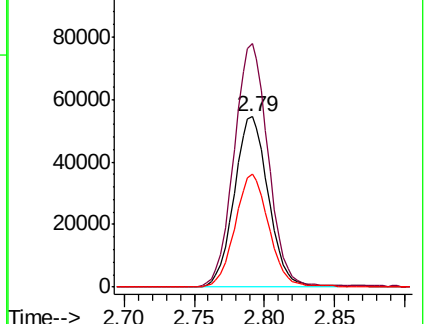
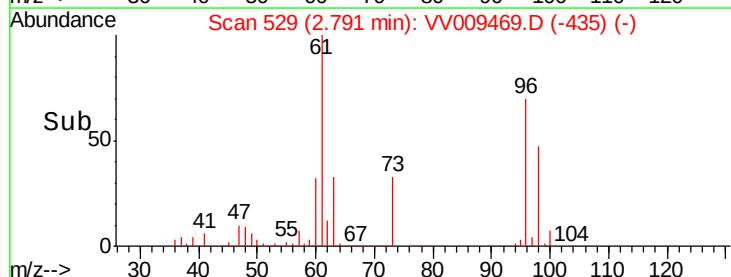
98 66.6 46.0 85.4

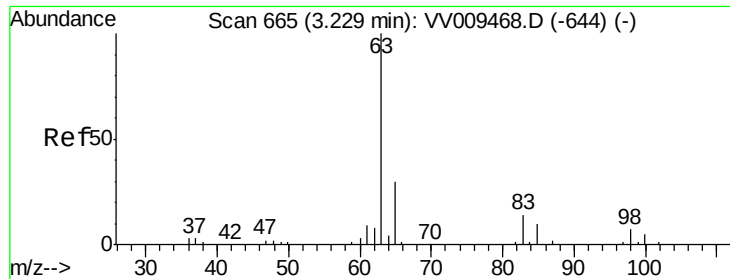


Abundance Ion 96.00 (95.70 to 96.70): VV009469.D (-435) (-)

Ion 61.05 (60.75 to 61.75): VV009469.D (-435) (-)

Ion 97.95 (97.65 to 98.65): VV009469.D (-435) (-)

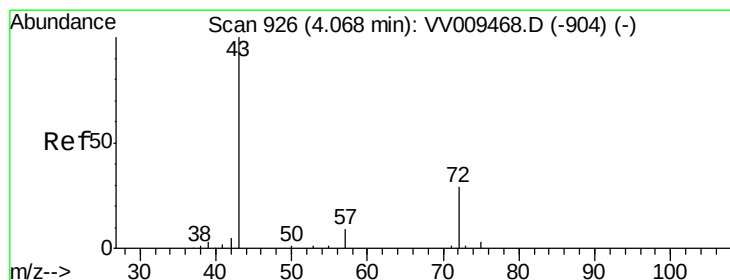
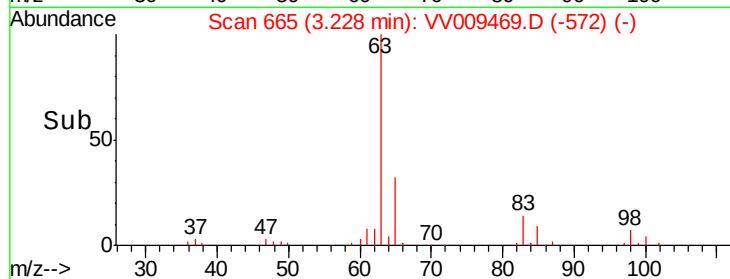
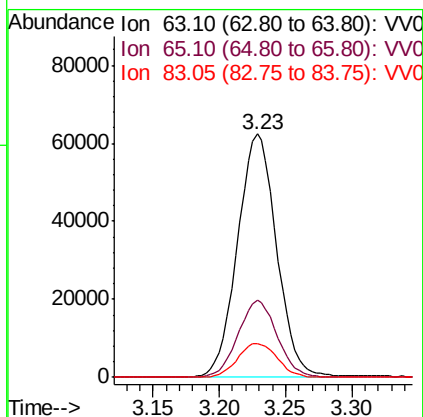
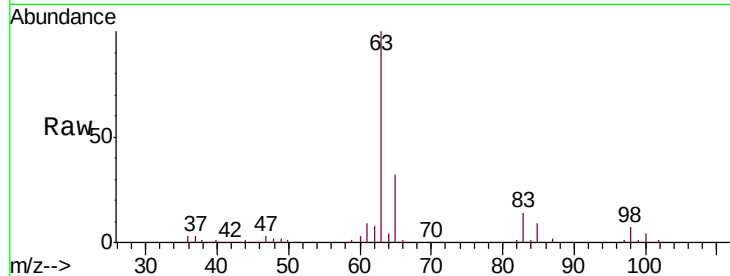




#19
 1,1-Dichloroethane
 Concen: 10.712 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. -0.00 min
 Lab File: VV009469.D
 Acq: 04 Mar 2019 13:36

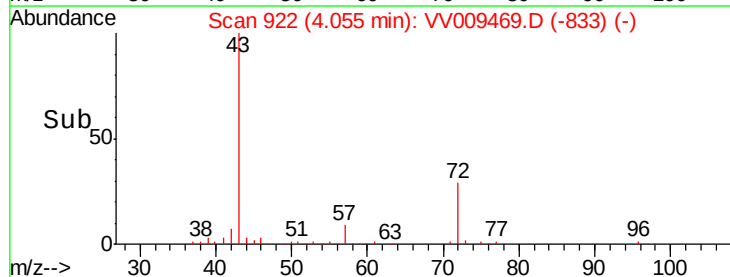
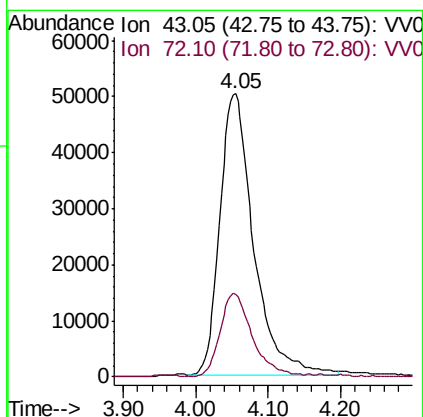
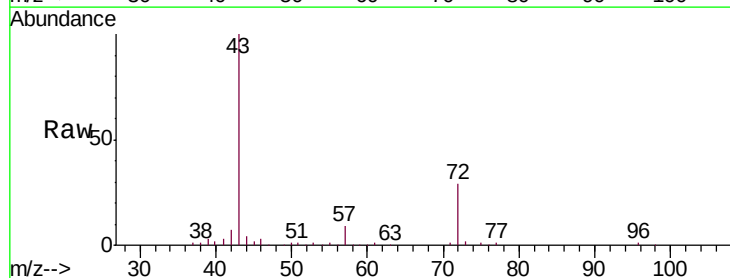
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01065

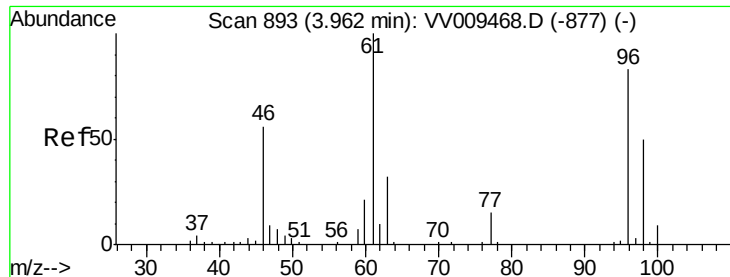
Tgt Ion: 63 Resp: 128432
 Ion Ratio Lower Upper
 63 100
 65 31.5 21.3 39.5
 83 13.9 9.9 18.5



#21
 2-Butanone
 Concen: 107.560 ug/L
 RT: 4.05 min Scan# 922
 Delta R.T. -0.01 min
 Lab File: VV009469.D
 Acq: 04 Mar 2019 13:36

Tgt Ion: 43 Resp: 162284
 Ion Ratio Lower Upper
 43 100
 72 27.9 14.8 44.4



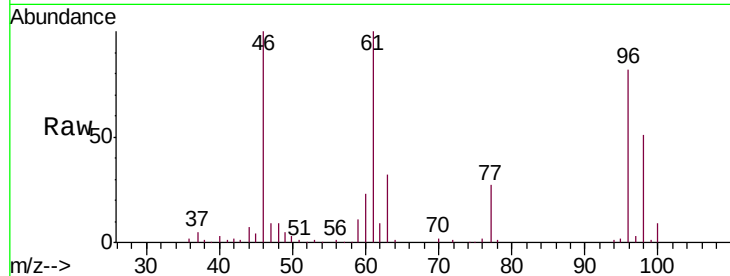


#22

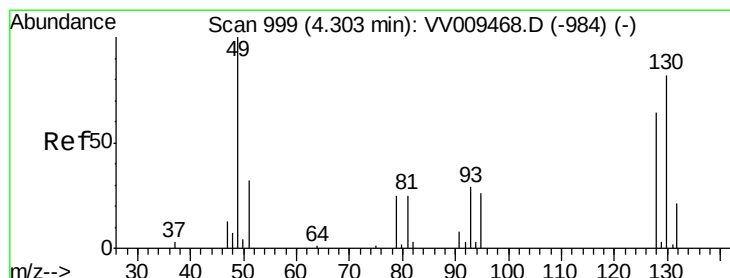
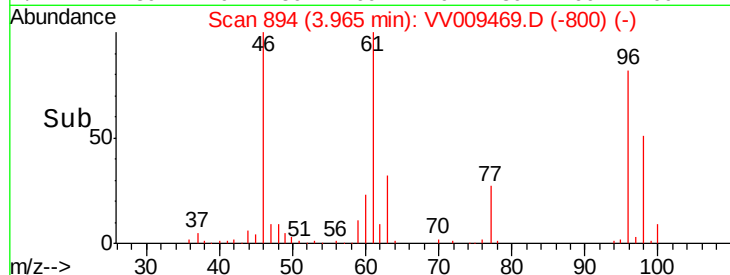
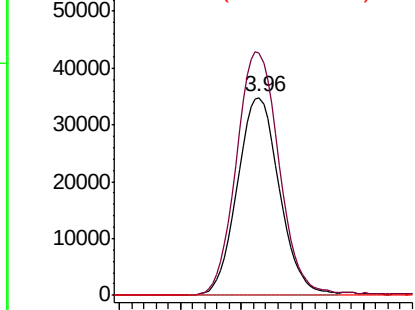
cis-1,2-Dichloroethene
 Concen: 9.846 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. 0.00 min
 Lab File: VV009469.D
 Acq: 04 Mar 2019 13:36

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01065

Tgt Ion: 96 Resp: 83267
 Ion Ratio Lower Upper
 96 100
 61 122.4 84.8 157.4
 68 0.0 0.0 0.0



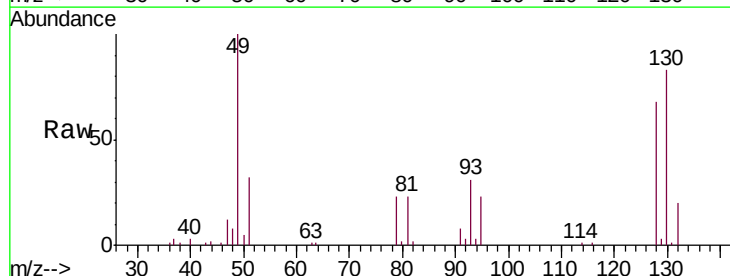
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



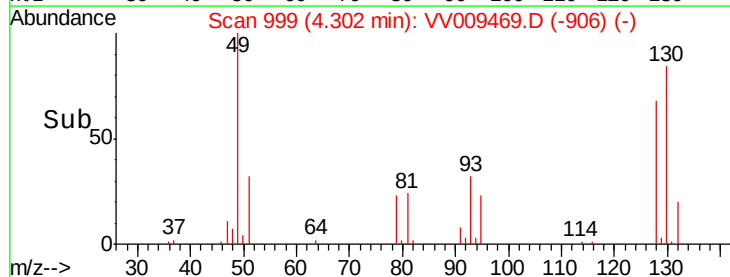
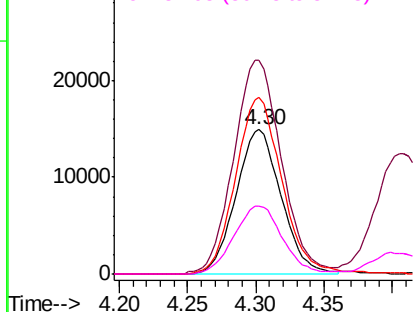
#23

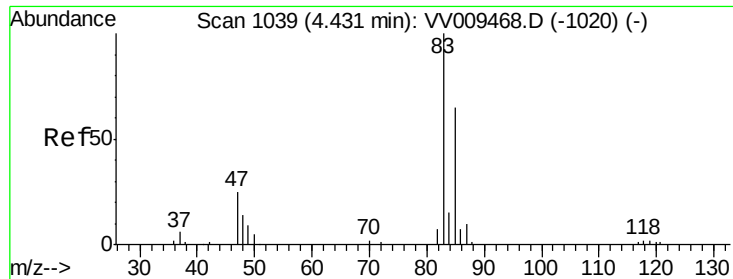
Bromochloromethane
 Concen: 10.140 ug/L
 RT: 4.30 min Scan# 999
 Delta R.T. -0.00 min
 Lab File: VV009469.D
 Acq: 04 Mar 2019 13:36

Tgt Ion: 128 Resp: 34290
 Ion Ratio Lower Upper
 128 100
 49 147.9 110.4 205.0
 130 122.5 89.1 165.5
 51 47.4 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: 10.137 ug/L

RT: 4.43 min Scan# 1039

Delta R.T. -0.00 min

Lab File: VV009469.D

Acq: 04 Mar 2019 13:36

Instrument :

MSVOA_V

ClientSampleId :

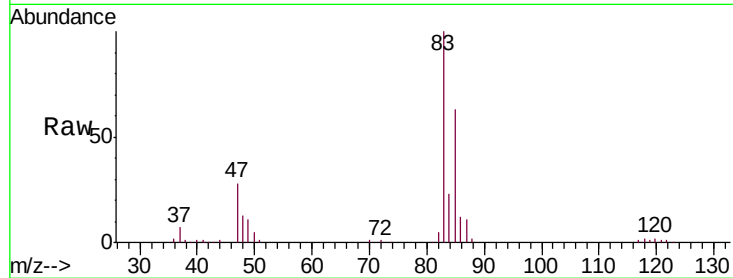
VSTD01065

Tgt Ion: 83 Resp: 148068

Ion Ratio Lower Upper

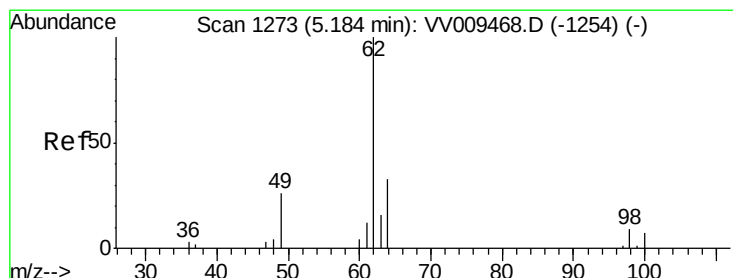
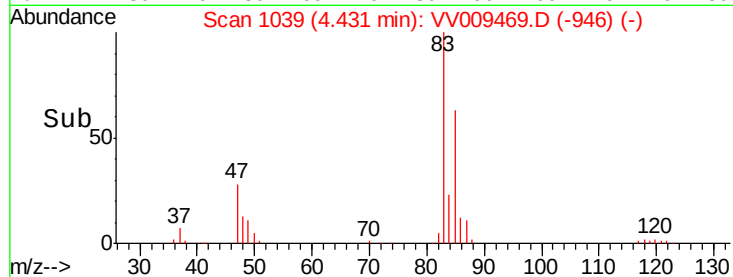
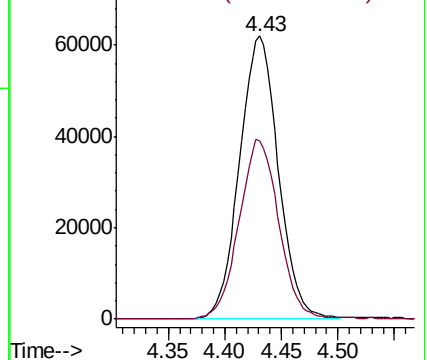
83 100

85 63.2 45.7 84.9



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0



#27

1,2-Dichloroethane

Concen: 10.454 ug/L

RT: 5.18 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VV009469.D

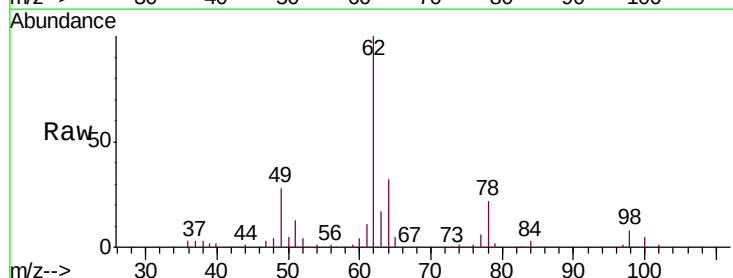
Acq: 04 Mar 2019 13:36

Tgt Ion: 62 Resp: 89956

Ion Ratio Lower Upper

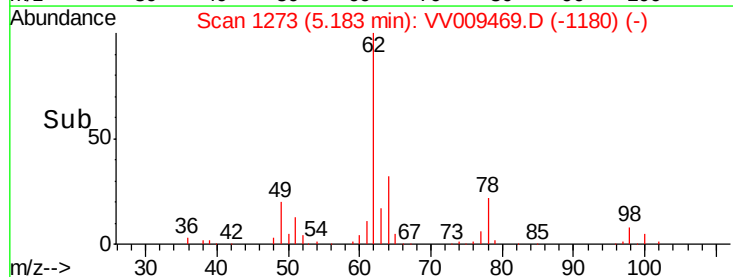
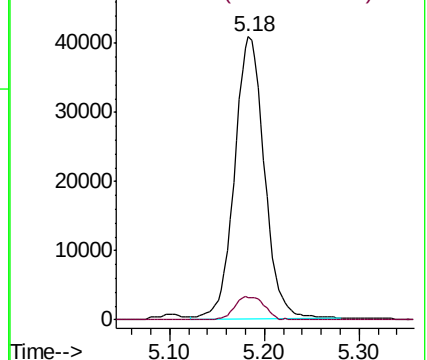
62 100

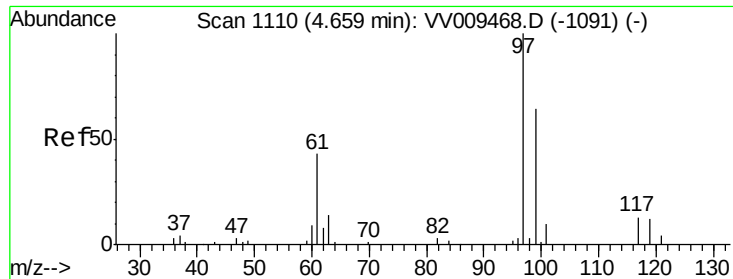
98 7.9 7.4 11.0



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.05 (97.75 to 98.75): VV0

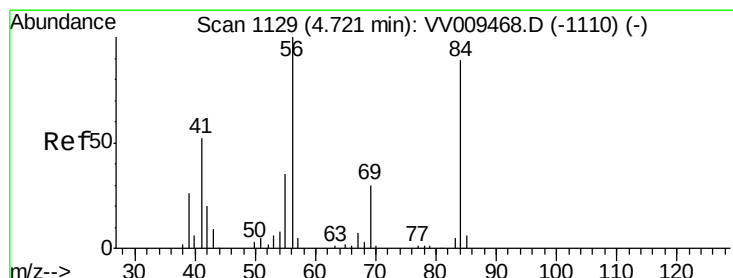
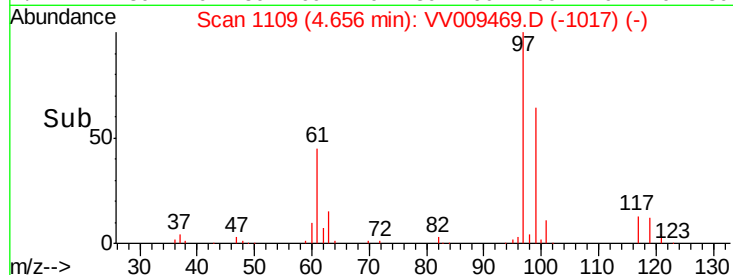
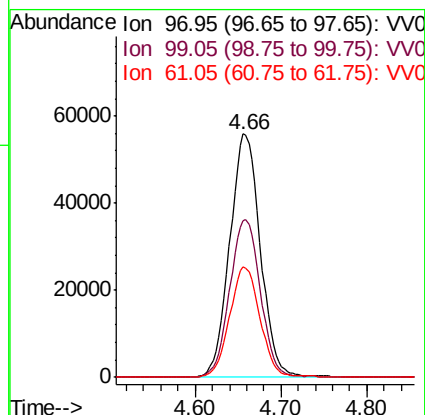
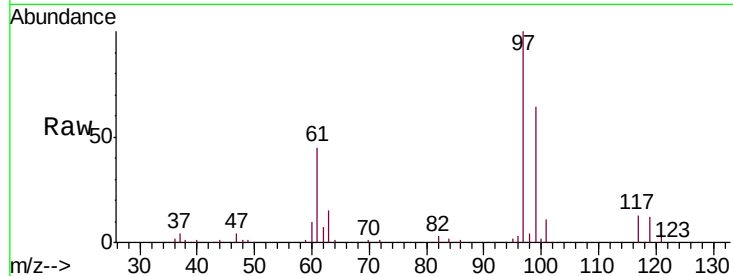




#29
 1,1,1-Trichloroethane
 Concen: 9.693 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. -0.00 min
 Lab File: VV009469.D
 Acq: 04 Mar 2019 13:36

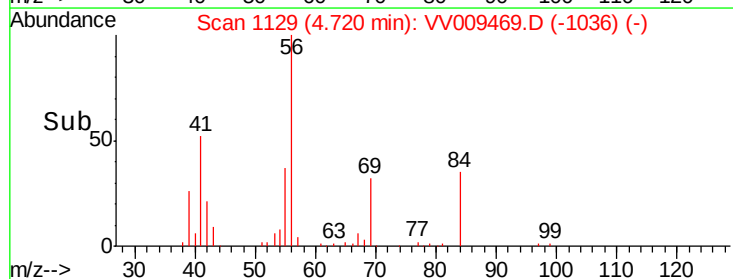
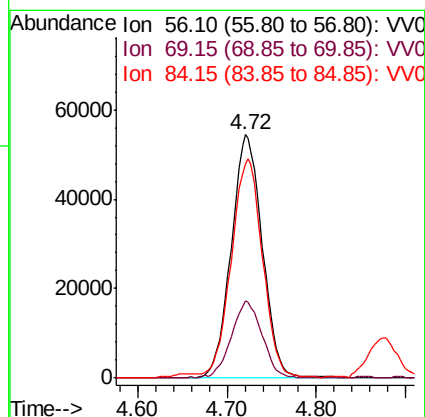
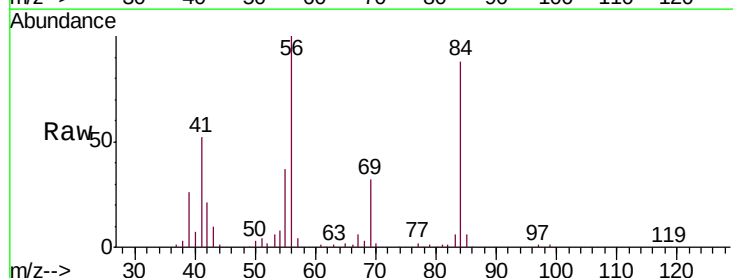
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01065

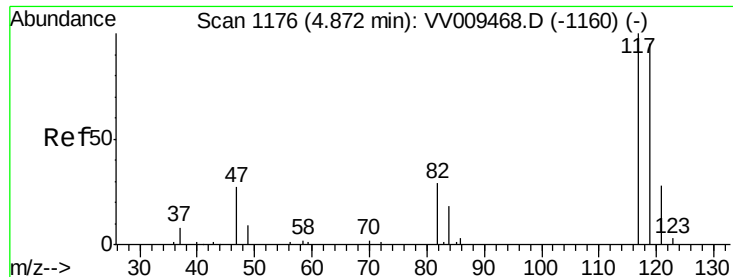
Tgt Ion: 97 Resp: 138515
 Ion Ratio Lower Upper
 97 100
 99 64.8 50.8 76.2
 61 44.7 35.0 52.6



#30
 Cyclohexane
 Concen: 9.559 ug/L
 RT: 4.72 min Scan# 1129
 Delta R.T. -0.00 min
 Lab File: VV009469.D
 Acq: 04 Mar 2019 13:36

Tgt Ion: 56 Resp: 131779
 Ion Ratio Lower Upper
 56 100
 69 31.4 25.6 38.4
 84 89.9 72.4 108.6





#31

Carbon tetrachloride

Concen: 9.927 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV009469.D

Acq: 04 Mar 2019 13:36

Instrument :

MSVOA_V

ClientSampleId :

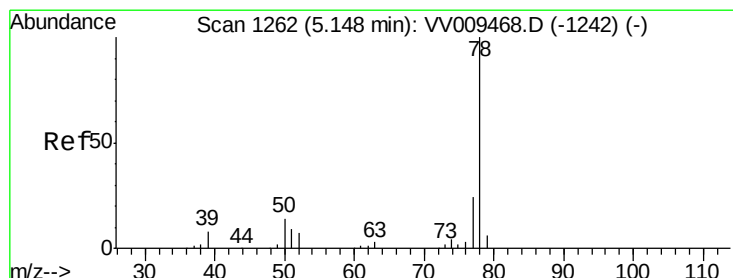
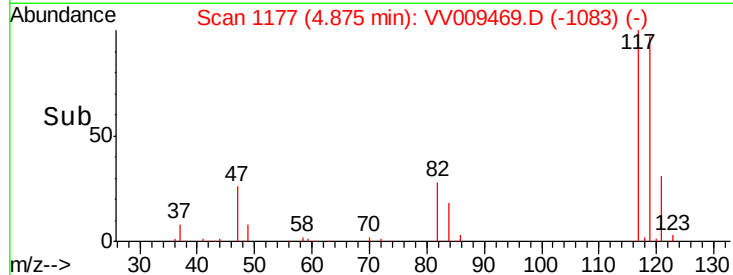
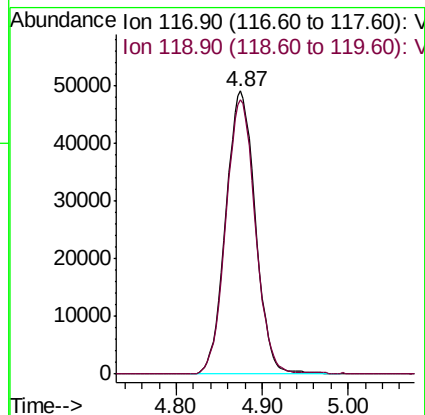
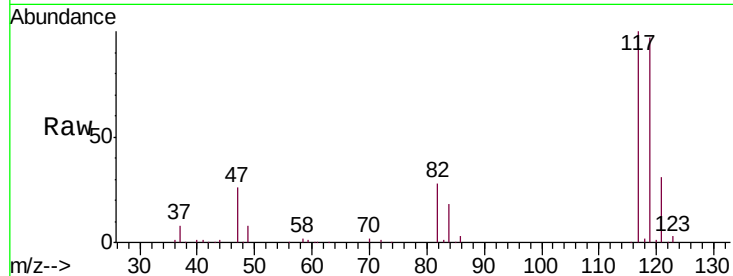
VSTD01065

Tgt Ion:117 Resp: 117172

Ion Ratio Lower Upper

117 100

119 96.6 75.4 113.2



#33

Benzene

Concen: 9.806 ug/L

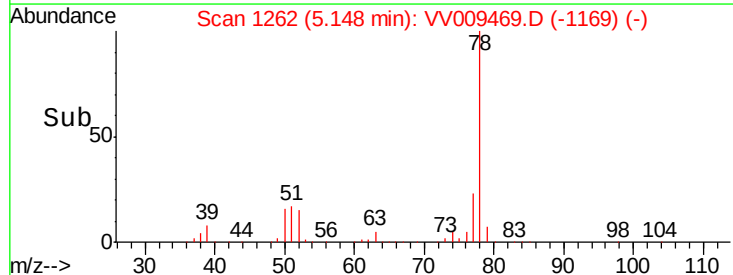
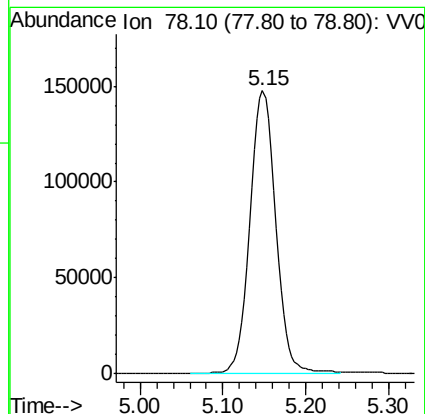
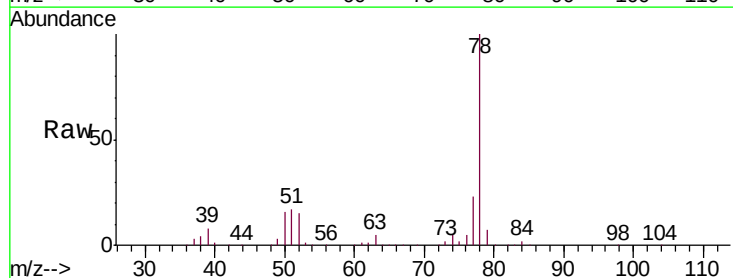
RT: 5.15 min Scan# 1262

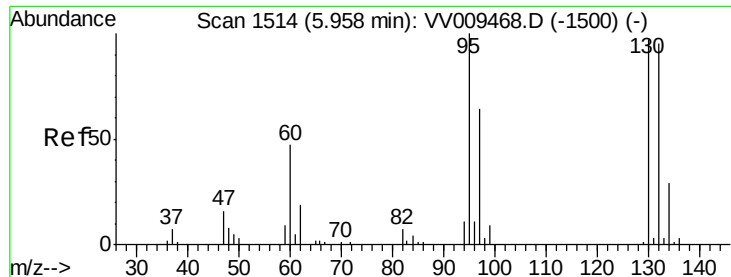
Delta R.T. -0.00 min

Lab File: VV009469.D

Acq: 04 Mar 2019 13:36

Tgt Ion: 78 Resp: 321312

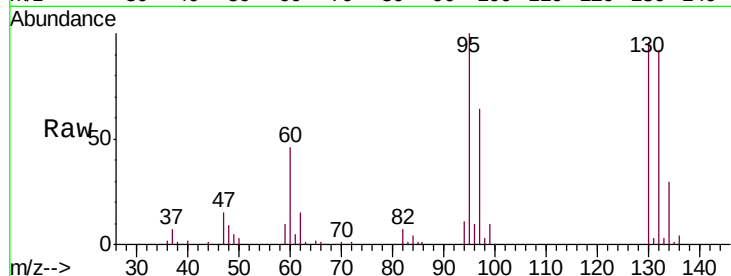




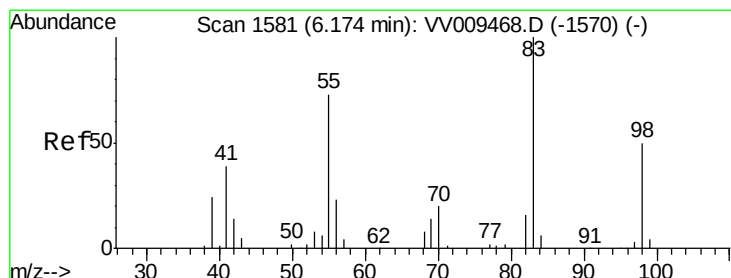
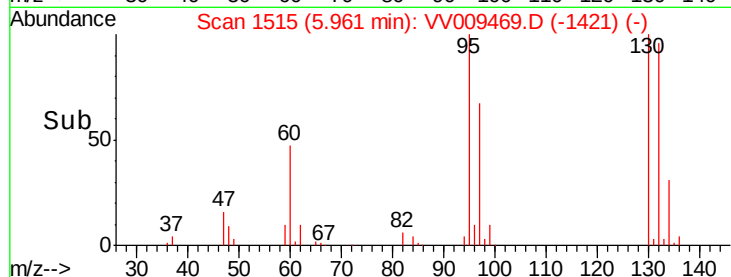
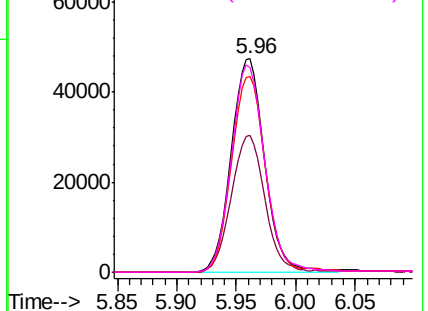
#34
 Trichloroethene
 Concen: 9.893 ug/L
 RT: 5.96 min Scan# 1515
 Delta R.T. 0.00 min
 Lab File: VV009469.D
 Acq: 04 Mar 2019 13:36

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01065

Tgt Ion: 95 Resp: 92597
 Ion Ratio Lower Upper
 95 100
 97 63.9 44.4 82.5
 132 91.9 66.4 123.4
 130 95.6 68.1 126.5

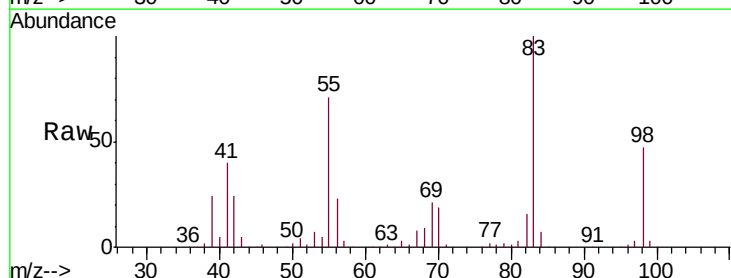


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

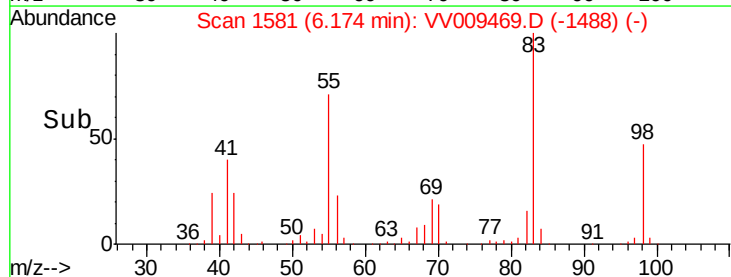
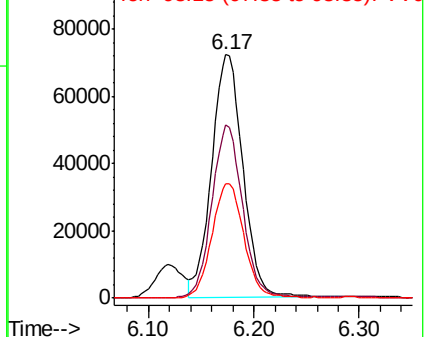


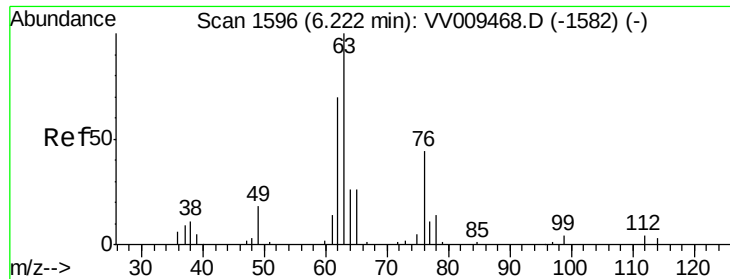
#35
 Methylcyclohexane
 Concen: 9.636 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: VV009469.D
 Acq: 04 Mar 2019 13:36

Tgt Ion: 83 Resp: 148865
 Ion Ratio Lower Upper
 83 100
 55 70.6 57.4 86.2
 98 48.5 38.9 58.3



Abundance Ion 83.15 (82.85 to 83.85): VV0
 Ion 55.10 (54.80 to 55.80): VV0
 Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 9.762 ug/L

RT: 6.23 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VV009469.D

Acq: 04 Mar 2019 13:36

Instrument :

MSVOA_V

ClientSampleId :

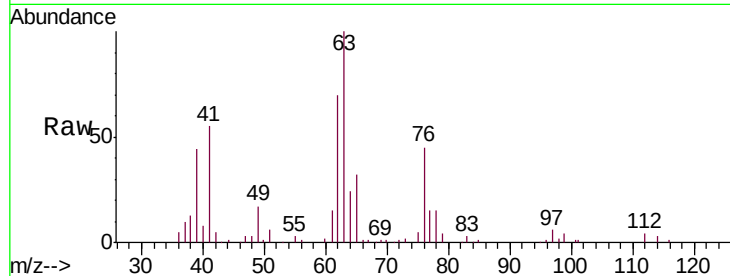
VSTD01065

Tgt Ion: 63 Resp: 78597

Ion Ratio Lower Upper

63 100

112 4.2 3.3 4.9



Abundance Ion 63.10 (62.80 to 63.80): VV009469.D (-1503) (-)

Ion 112.10 (111.80 to 112.80): VV009469.D (-1503) (-)

6.23

40000

30000

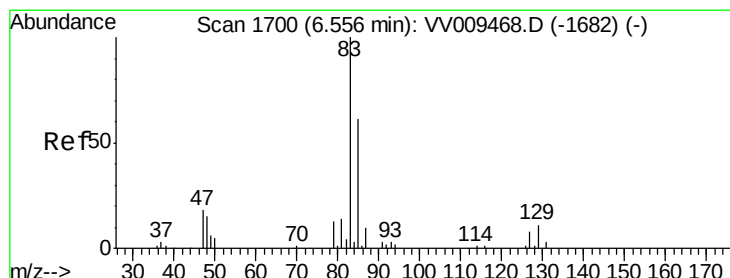
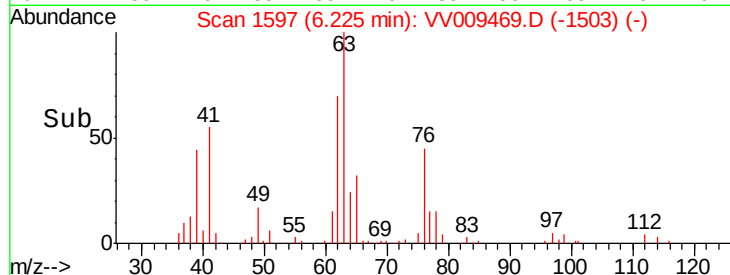
20000

10000

0

6.15 6.20 6.25 6.30

Time-->



#38

Bromodichloromethane

Concen: 10.080 ug/L

RT: 6.56 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VV009469.D

Acq: 04 Mar 2019 13:36

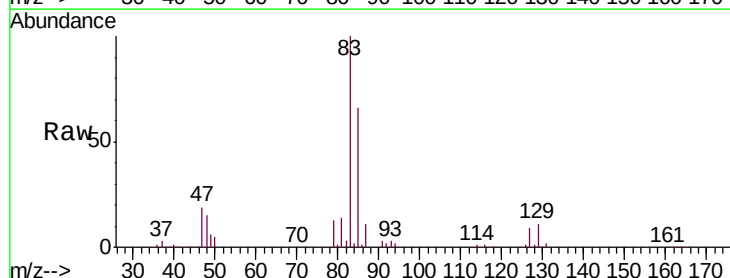
Tgt Ion: 83 Resp: 112395

Ion Ratio Lower Upper

83 100

85 65.6 42.8 79.4

127 9.0 6.2 9.4



Abundance Ion 82.95 (82.65 to 83.65): VV009469.D (-1607) (-)

Ion 85.00 (84.70 to 85.70): VV009469.D (-1607) (-)

Ion 126.90 (126.60 to 127.60): VV009469.D (-1607) (-)

6.56

80000

60000

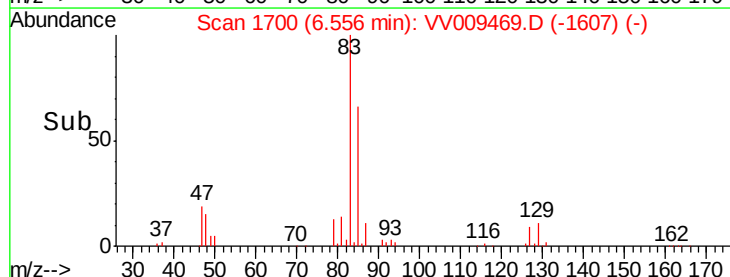
40000

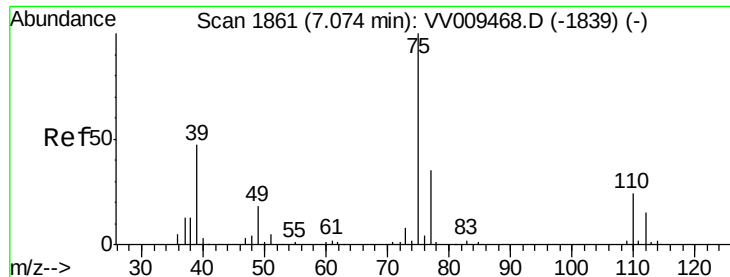
20000

0

6.50 6.55 6.60 6.65 6.70

Time-->

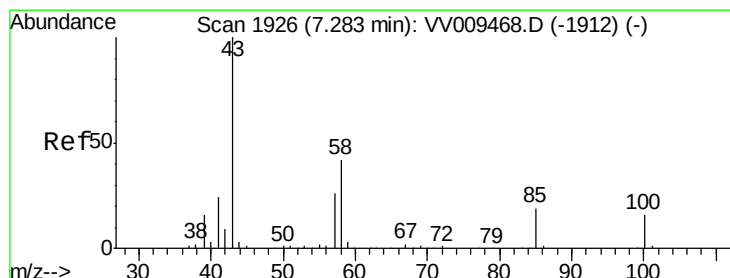
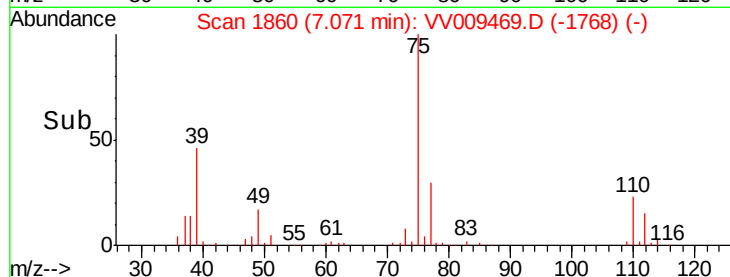
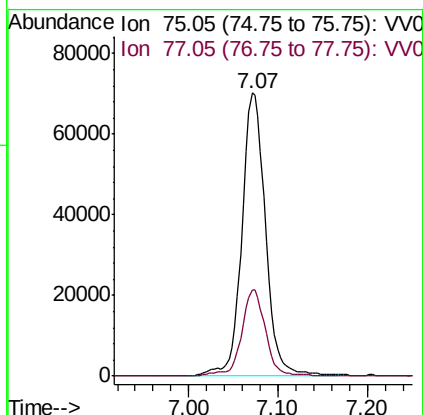
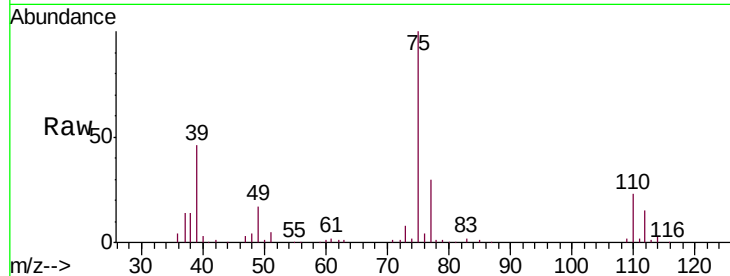




#39
 cis-1,3-Dichloropropene
 Concen: 10.231 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VV009469.D
 Acq: 04 Mar 2019 13:36

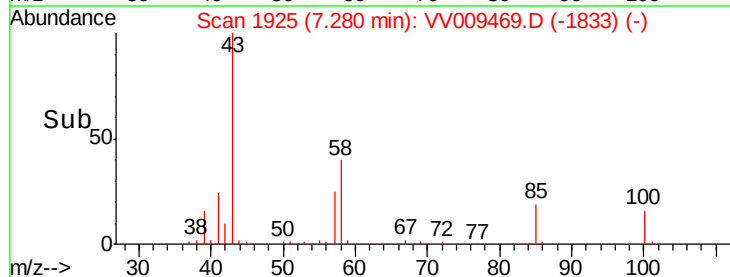
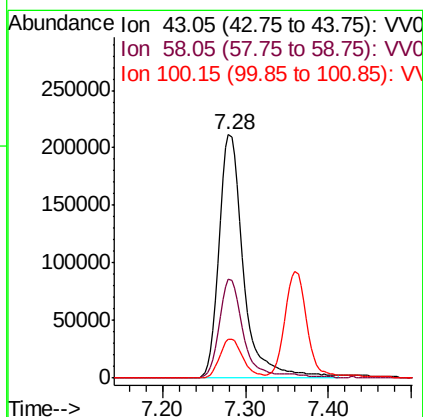
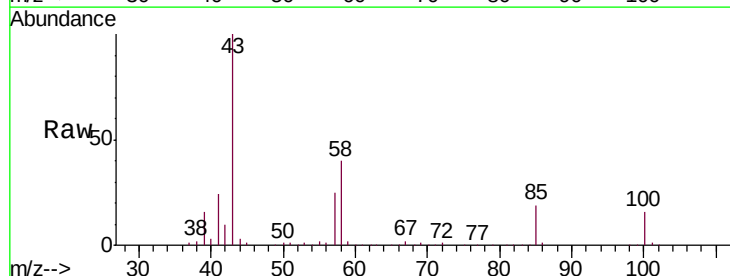
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01065

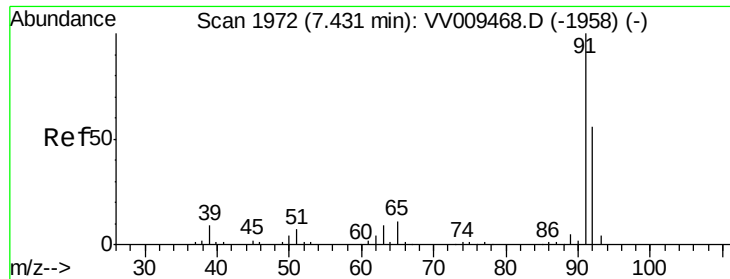
Tgt Ion: 75 Resp: 130071
 Ion Ratio Lower Upper
 75 100
 77 30.3 24.1 44.8



#40
 4-Methyl-2-pentanone
 Concen: 99.049 ug/L
 RT: 7.28 min Scan# 1925
 Delta R.T. -0.00 min
 Lab File: VV009469.D
 Acq: 04 Mar 2019 13:36

Tgt Ion: 43 Resp: 431688
 Ion Ratio Lower Upper
 43 100
 58 39.0 32.3 48.5
 100 15.2 12.0 18.0





#42

Toluene

Concen: 9.777 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV009469.D

Acq: 04 Mar 2019 13:36

Instrument :

MSVOA_V

ClientSampleId :

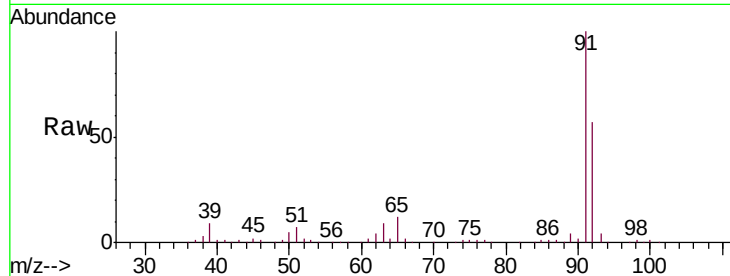
VSTD01065

Tgt Ion: 91 Resp: 369104

Ion Ratio Lower Upper

91 100

92 57.2 39.1 72.5



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

Ion 92.15 (91.85 to 92.85): VV009469.D (-1879) (-)

7.43

200000

150000

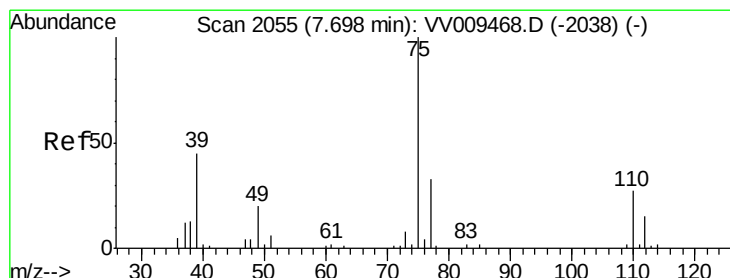
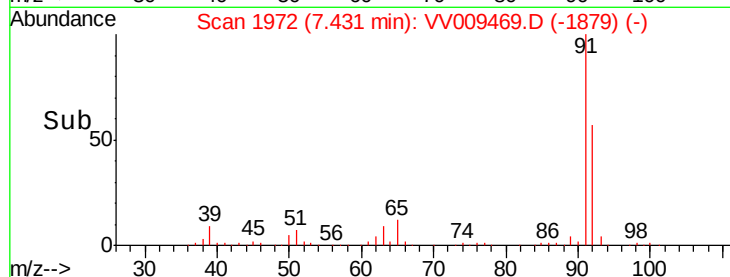
100000

50000

0

7.40 7.50 7.60

Time-->



#44

trans-1,3-Dichloropropene

Concen: 10.465 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. -0.00 min

Lab File: VV009469.D

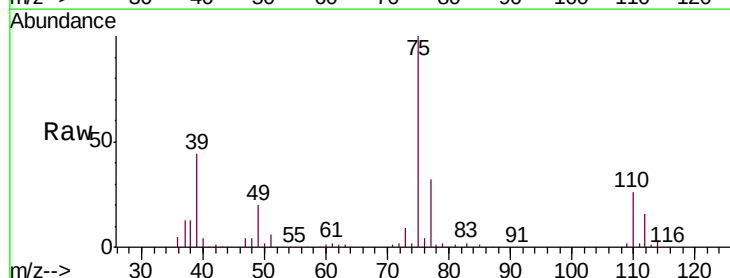
Acq: 04 Mar 2019 13:36

Tgt Ion: 75 Resp: 103567

Ion Ratio Lower Upper

75 100

77 31.9 22.7 42.3



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

Ion 77.05 (76.75 to 77.75): VV009469.D (-1962) (-)

7.69

60000

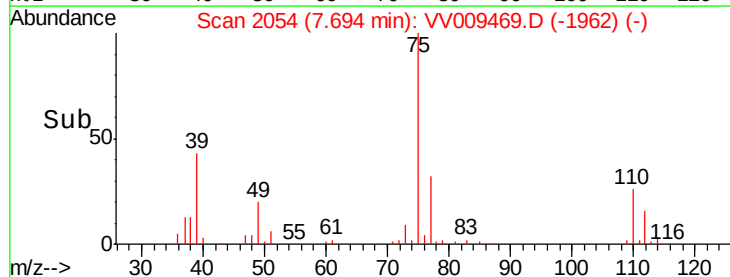
40000

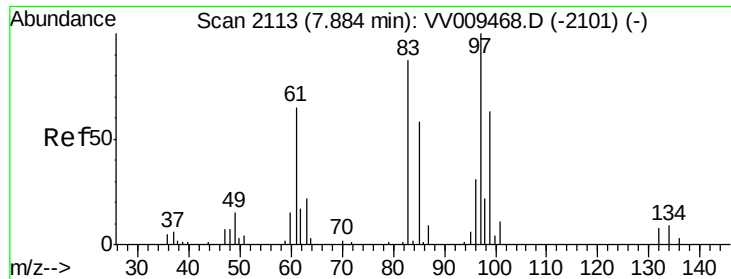
20000

0

7.60 7.70 7.80

Time-->

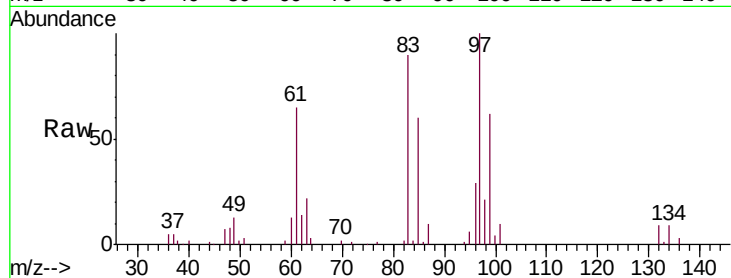




#45
 1,1,2-Trichloroethane
 Concen: 9.765 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VV009469.D
 Acq: 04 Mar 2019 13:36

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01065

Tgt Ion:	97	Resp:	56578
Ion	Ratio	Lower	Upper
97	100		
99	61.9	43.8	81.4
83	89.8	60.7	112.7
85	60.3	40.5	75.3



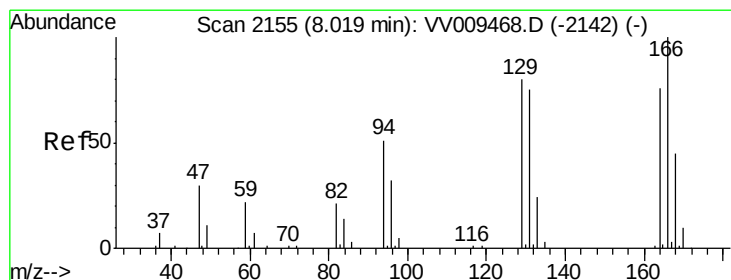
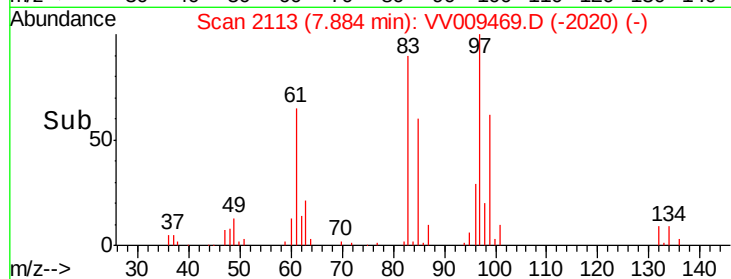
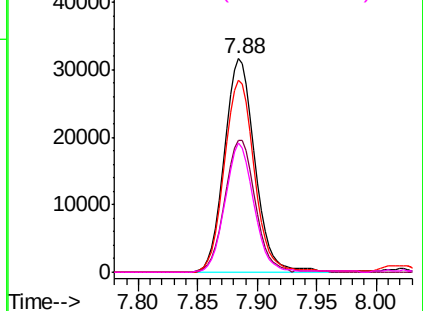
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

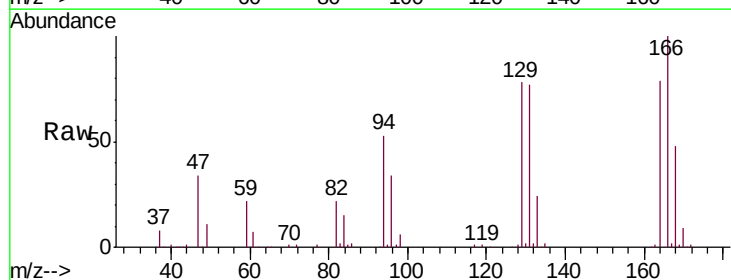
Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47
 Tetrachloroethene
 Concen: 9.546 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. -0.00 min
 Lab File: VV009469.D
 Acq: 04 Mar 2019 13:36

Tgt Ion:	164	Resp:	69992
Ion	Ratio	Lower	Upper
164	100		
129	98.4	73.6	136.8
131	97.8	68.4	127.0
166	126.8	91.8	170.4



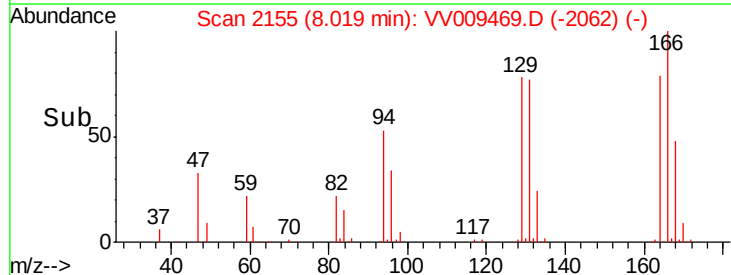
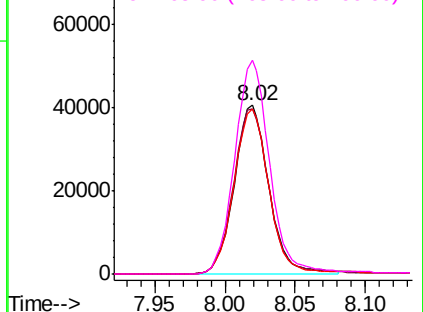
Abundance

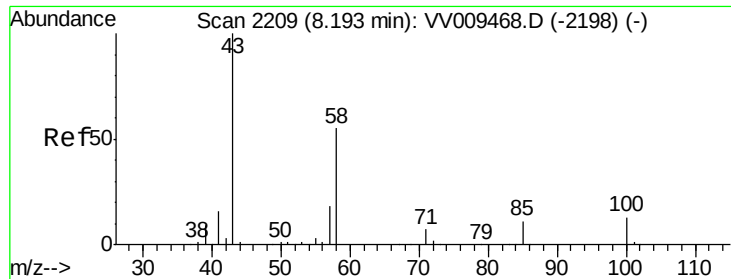
Ion 163.90 (163.60 to 164.60): V

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: 104.257 ug/L

RT: 8.19 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VV009469.D

Acq: 04 Mar 2019 13:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD01065

Tgt Ion: 43 Resp: 304956

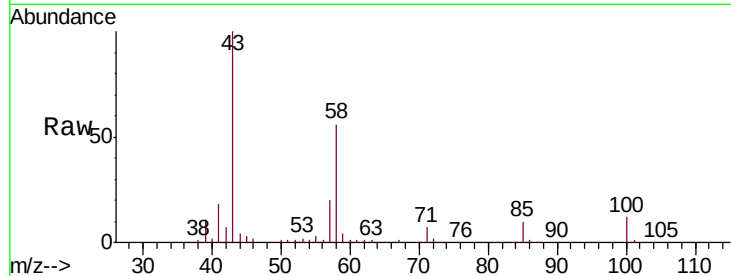
Ion Ratio Lower Upper

43 100

58 59.7 43.4 65.0

57 18.9 15.0 22.4

100 12.7 9.6 14.4

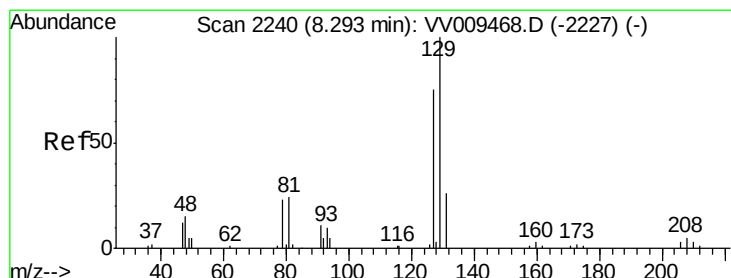
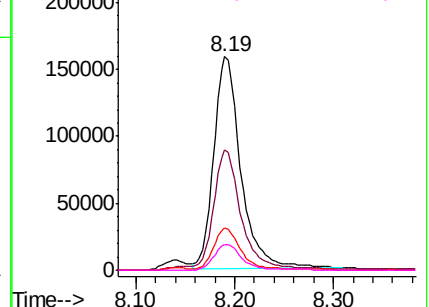
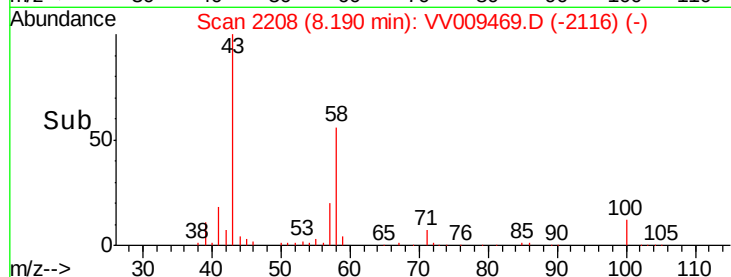


Abundance Ion 43.05 (42.75 to 43.75): VV009468.D (-2198) (-)

Ion 58.05 (57.75 to 58.75): VV009468.D (-2198) (-)

Ion 57.20 (56.90 to 57.90): VV009468.D (-2198) (-)

Ion 100.15 (99.85 to 100.85): VV009468.D (-2198) (-)



#49

Dibromochloromethane

Concen: 9.987 ug/L

RT: 8.29 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VV009469.D

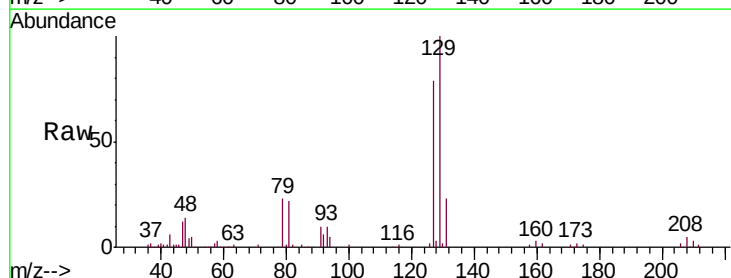
Acq: 04 Mar 2019 13:36

Tgt Ion: 129 Resp: 75555

Ion Ratio Lower Upper

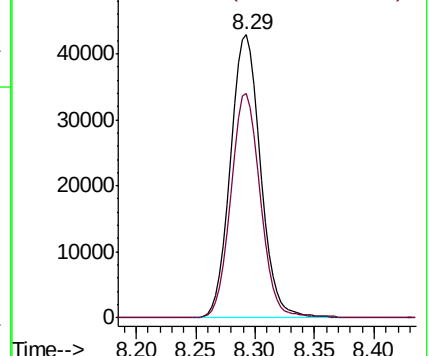
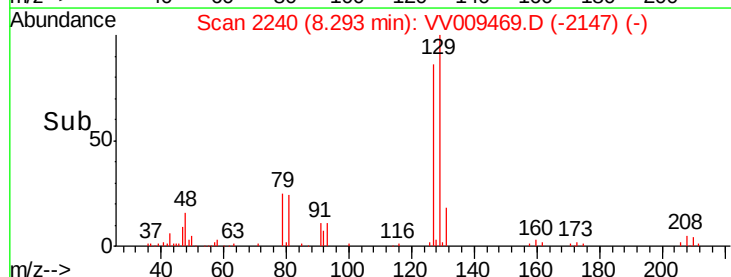
129 100

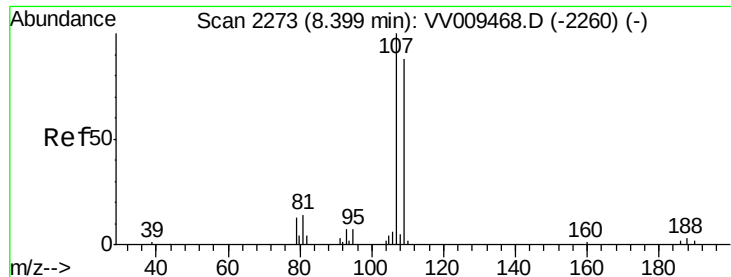
127 79.4 52.4 97.4



Abundance Ion 128.95 (128.65 to 129.65): VV009468.D (-2227) (-)

Ion 126.90 (126.60 to 127.60): VV009468.D (-2227) (-)

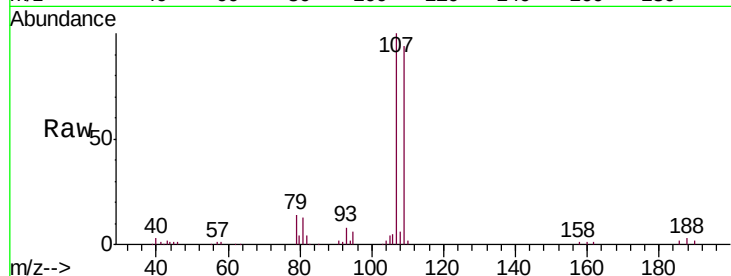




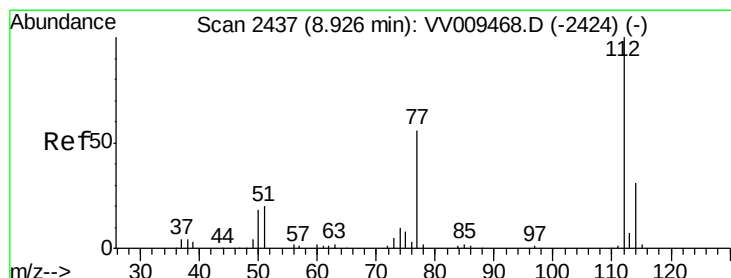
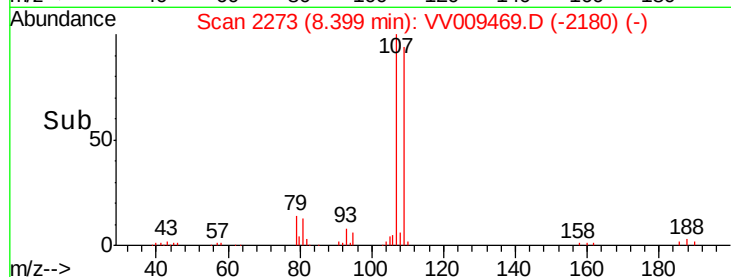
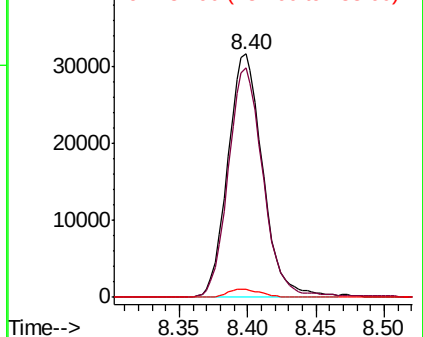
#50
1,2-Dibromoethane
Concen: 10.168 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VV009469.D
Acq: 04 Mar 2019 13:36

Instrument :
MSVOA_V
ClientSampleId :
VSTD01065

Tgt Ion:107 Resp: 56221
Ion Ratio Lower Upper
107 100
109 94.1 61.8 114.8
188 3.3 2.4 3.6

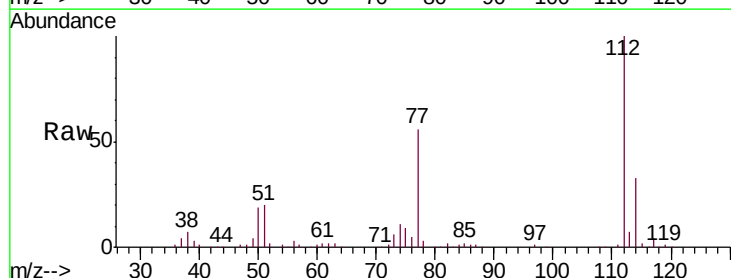


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

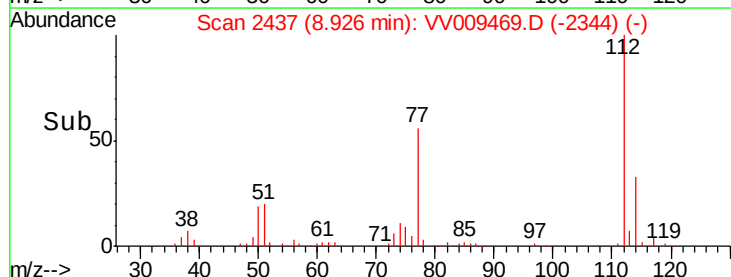
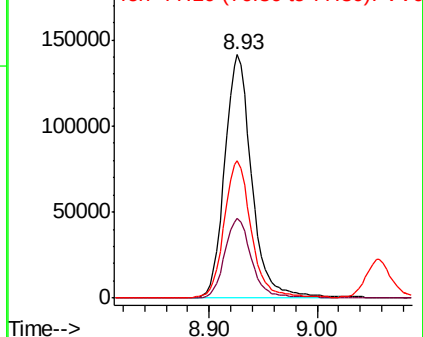


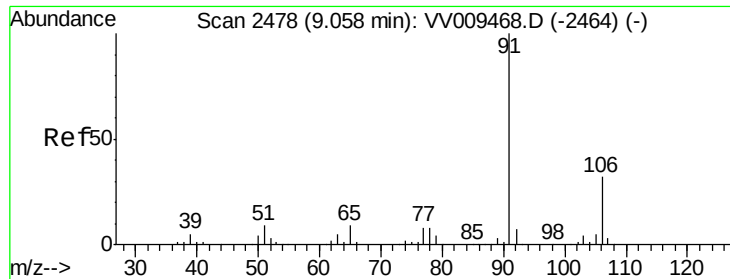
#51
Chlorobenzene
Concen: 10.030 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. -0.00 min
Lab File: VV009469.D
Acq: 04 Mar 2019 13:36

Tgt Ion:112 Resp: 246706
Ion Ratio Lower Upper
112 100
114 32.5 21.8 40.4
77 56.3 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: 9.974 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. -0.00 min

Lab File: VV009469.D

Acq: 04 Mar 2019 13:36

Instrument :

MSVOA_V

ClientSampleId :

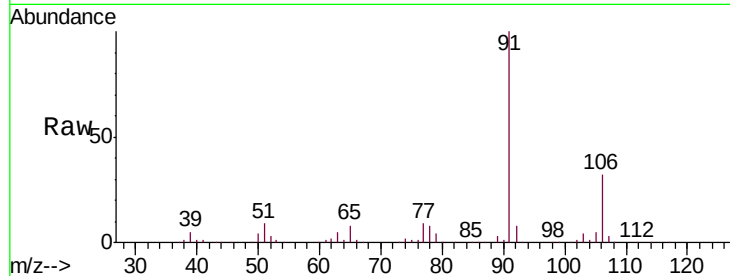
VSTD01065

Tgt Ion: 91 Resp: 428954

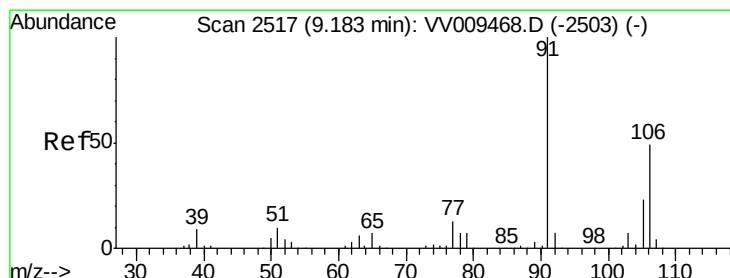
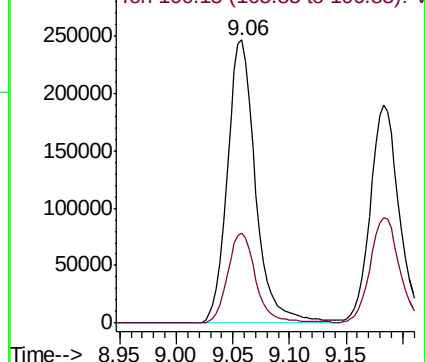
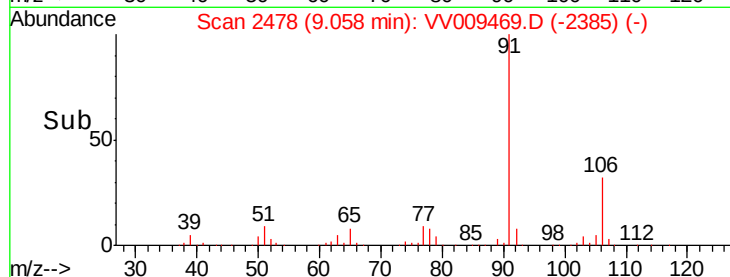
Ion Ratio Lower Upper

91 100

106 31.6 22.7 42.1



Abundance Ion 91.15 (90.85 to 91.85): VV009469.D (-2385) (-)



#53

m,p-xylene

Concen: 10.294 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV009469.D

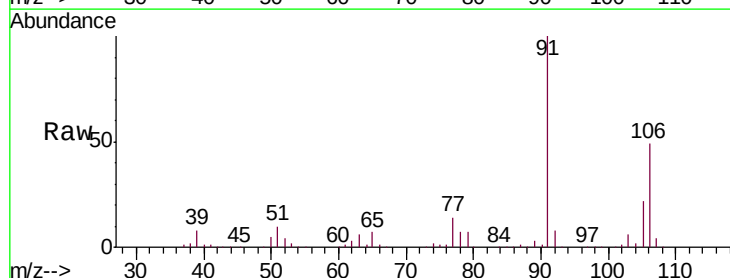
Acq: 04 Mar 2019 13:36

Tgt Ion: 106 Resp: 172965

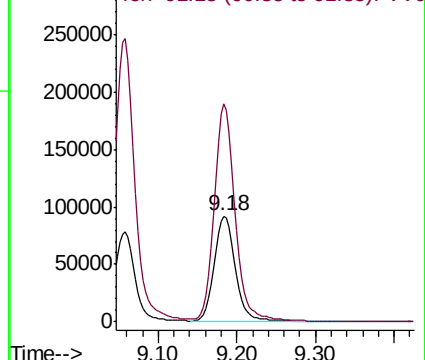
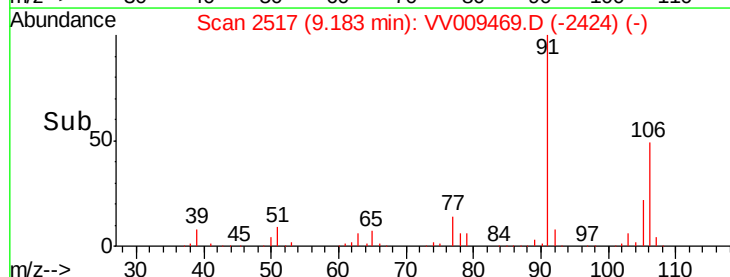
Ion Ratio Lower Upper

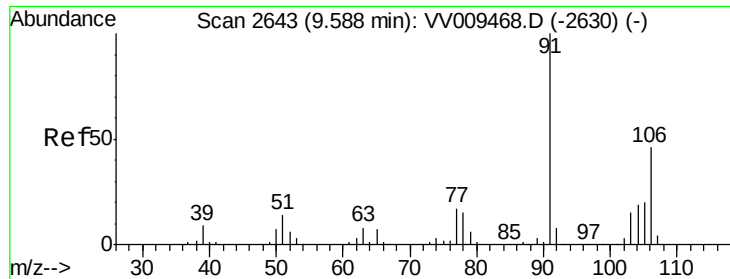
106 100

91 206.1 143.2 266.0



Abundance Ion 106.15 (105.85 to 106.85): VV009469.D (-2424) (-)





#54

o-xylene

Concen: 10.036 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. -0.00 min

Lab File: VV009469.D

Acq: 04 Mar 2019 13:36

Instrument :

MSVOA_V

ClientSampleId :

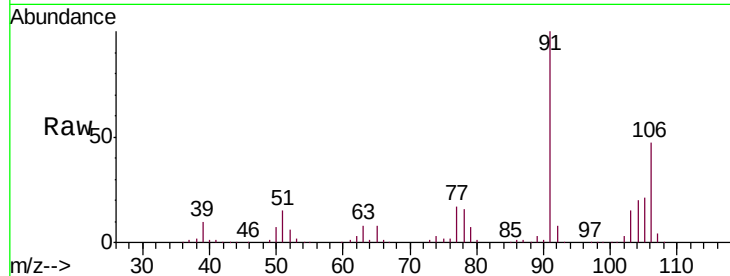
VSTD01065

Tgt Ion:106 Resp: 162972

Ion Ratio Lower Upper

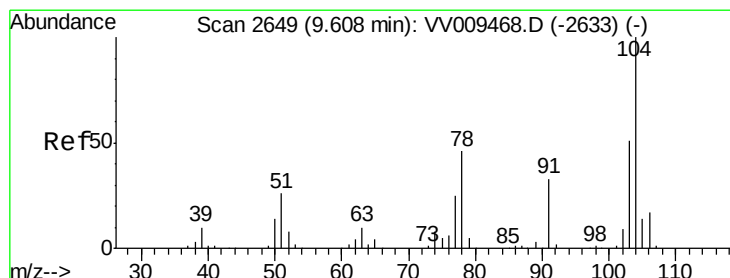
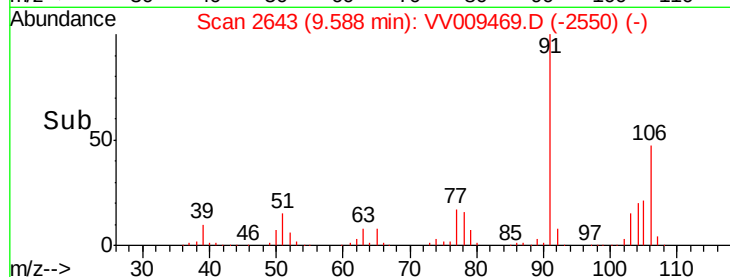
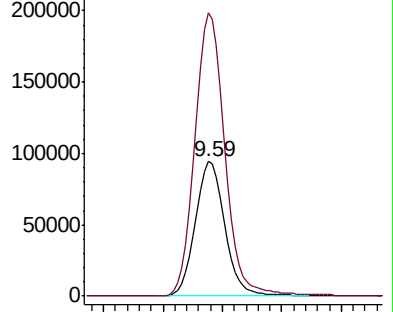
106 100

91 210.5 152.9 283.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 10.061 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. -0.00 min

Lab File: VV009469.D

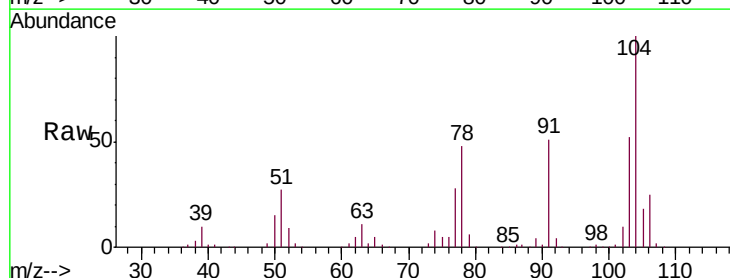
Acq: 04 Mar 2019 13:36

Tgt Ion:104 Resp: 265989

Ion Ratio Lower Upper

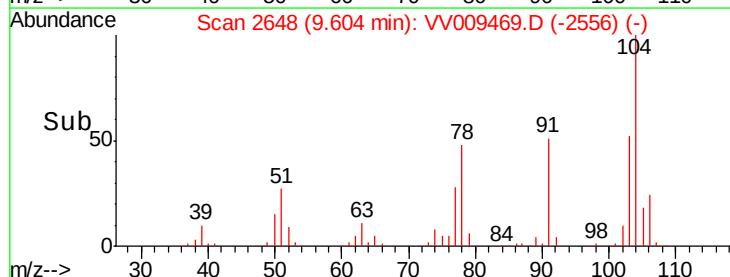
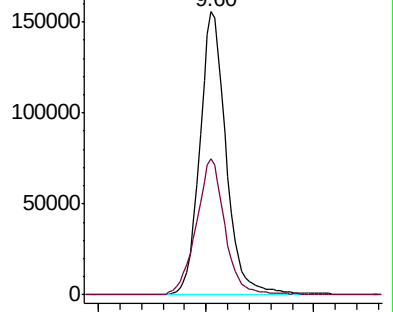
104 100

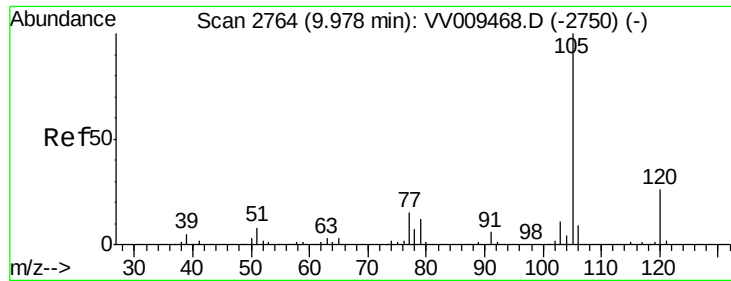
78 48.1 32.2 59.8



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 10.094 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. -0.00 min

Lab File: VV009469.D

Acq: 04 Mar 2019 13:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD01065

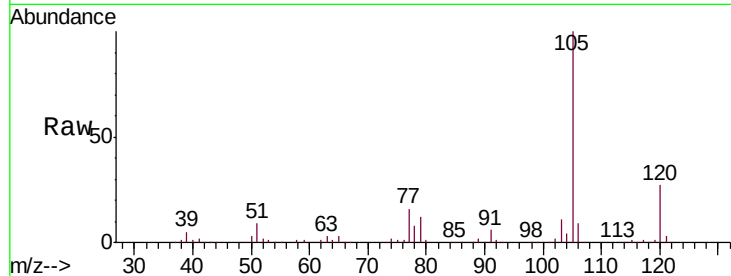
Tgt Ion: 105 Resp: 439086

Ion Ratio Lower Upper

105 100

120 26.9 21.4 32.2

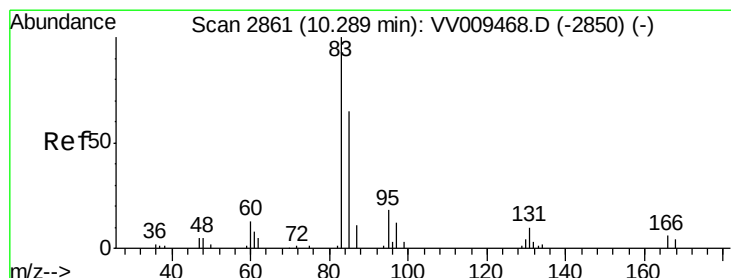
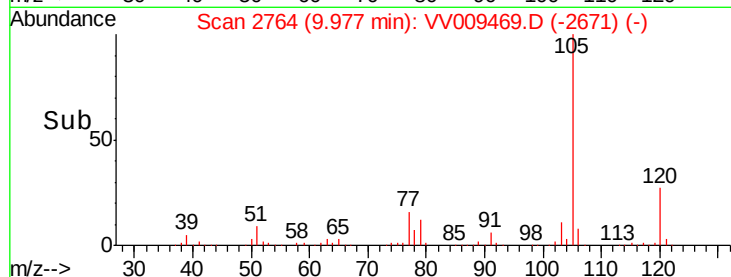
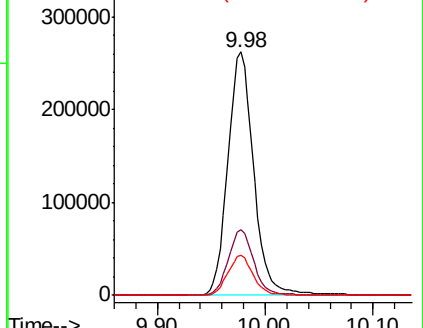
77 16.4 12.6 19.0



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: 10.207 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VV009469.D

Acq: 04 Mar 2019 13:36

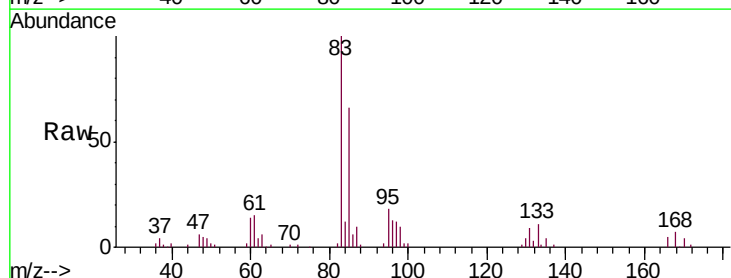
Tgt Ion: 83 Resp: 70839

Ion Ratio Lower Upper

83 100

85 66.3 45.8 85.2

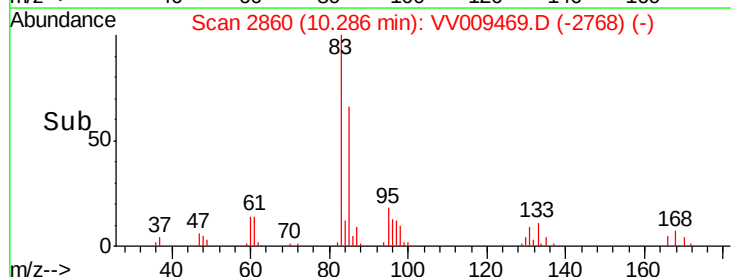
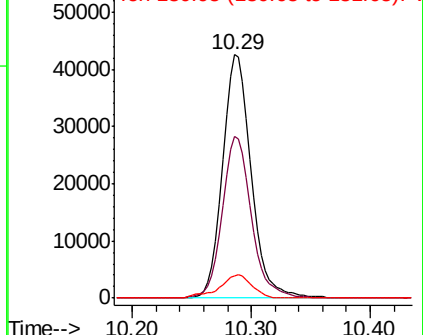
131 9.4 9.0 13.4

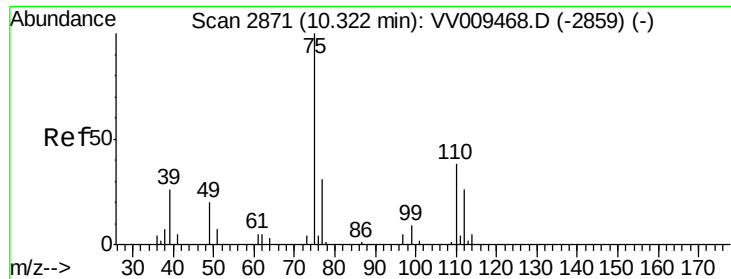


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 10.509 ug/L

RT: 10.32 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VV009469.D

Acq: 04 Mar 2019 13:36

Instrument :

MSVOA_V

ClientSampleId :

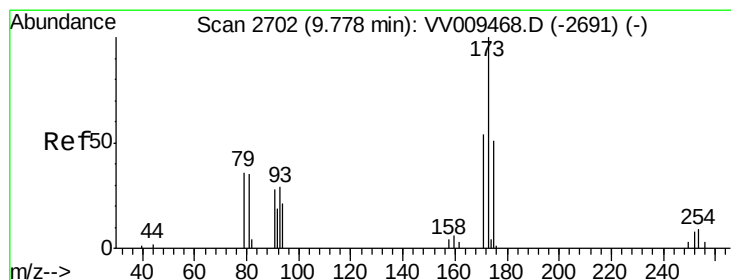
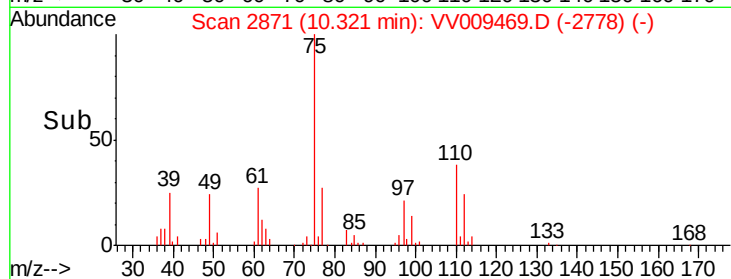
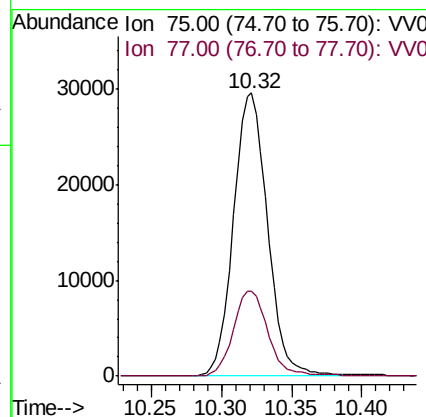
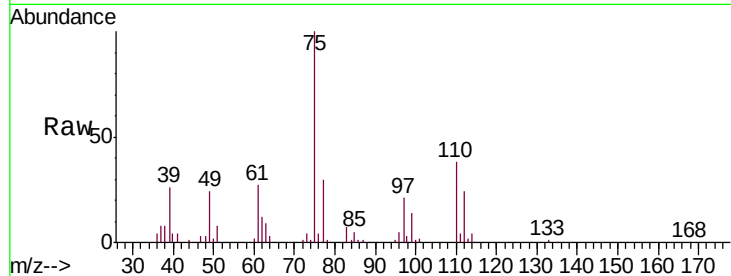
VSTD01065

Tgt Ion: 75 Resp: 49933

Ion Ratio Lower Upper

75 100

77 30.6 25.7 38.5



#61

Bromoform

Concen: 10.294 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. -0.00 min

Lab File: VV009469.D

Acq: 04 Mar 2019 13:36

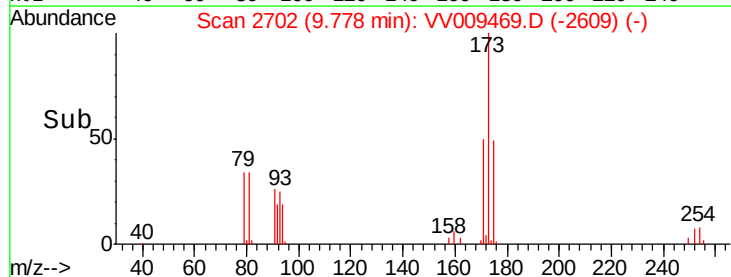
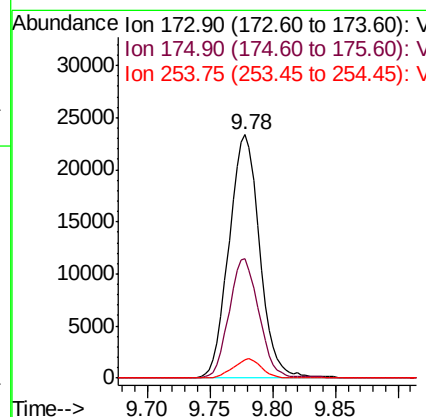
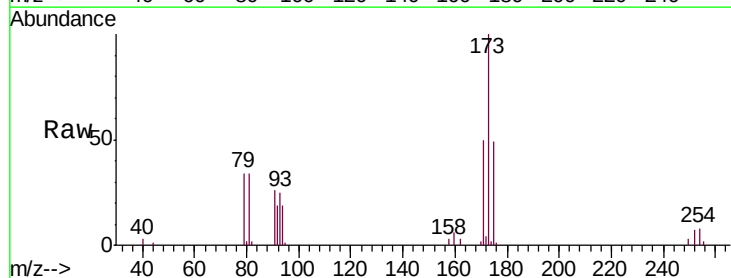
Tgt Ion: 173 Resp: 39644

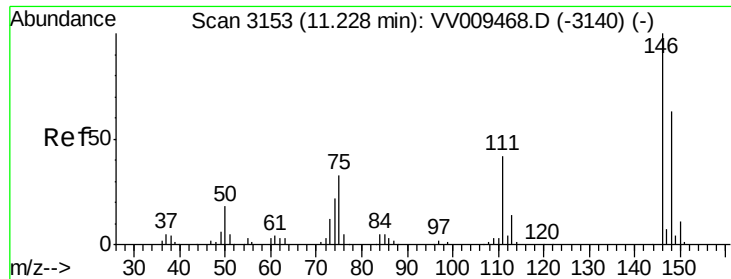
Ion Ratio Lower Upper

173 100

175 47.4 40.0 60.0

254 7.3 6.2 9.2

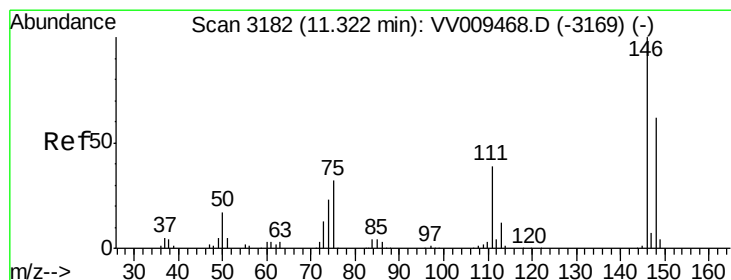
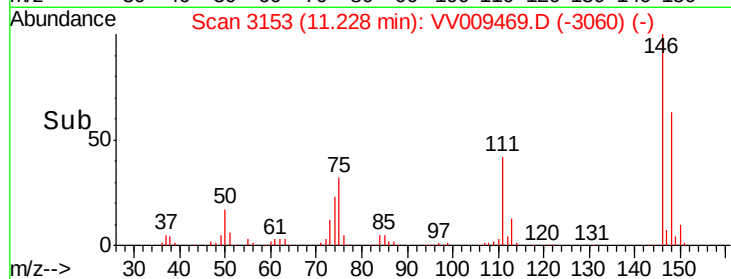
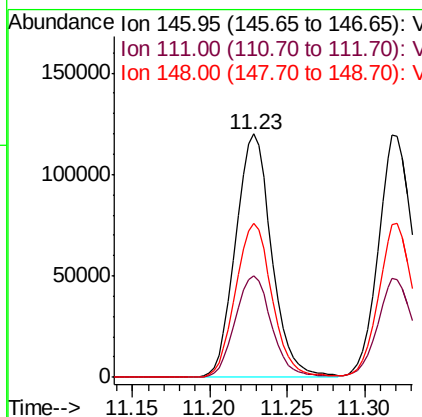
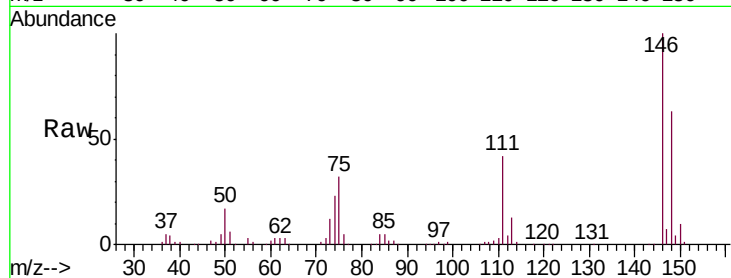




#62
 1,3-Dichlorobenzene
 Concen: 9.955 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. -0.00 min
 Lab File: VV009469.D
 Acq: 04 Mar 2019 13:36

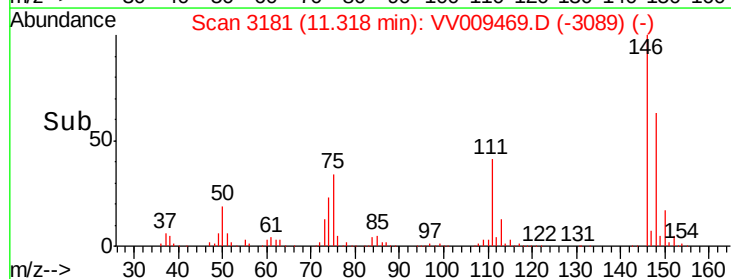
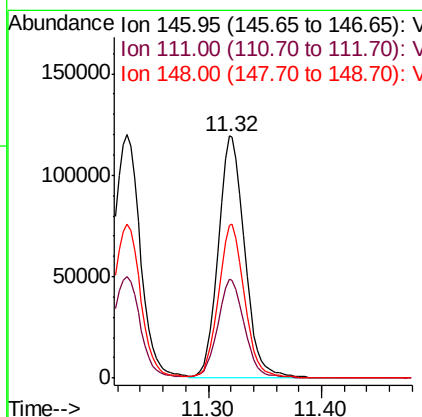
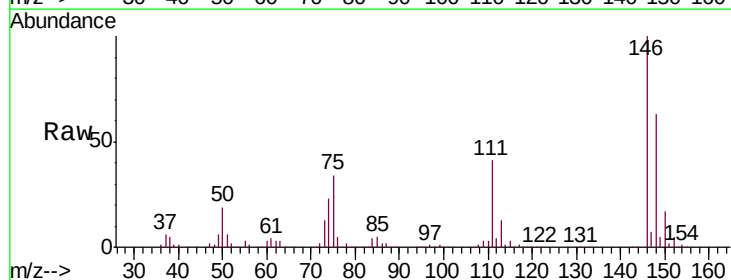
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01065

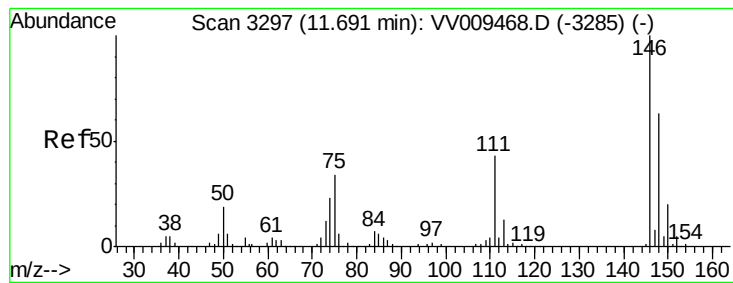
Tgt Ion:146 Resp: 194245
 Ion Ratio Lower Upper
 146 100
 111 41.7 29.7 55.1
 148 63.4 44.2 82.0



#63
 1,4-Dichlorobenzene
 Concen: 10.095 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. -0.00 min
 Lab File: VV009469.D
 Acq: 04 Mar 2019 13:36

Tgt Ion:146 Resp: 194191
 Ion Ratio Lower Upper
 146 100
 111 40.9 27.4 51.0
 148 63.3 43.6 81.0





#65

1,2-Dichlorobenzene

Concen: 10.077 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. -0.00 min

Lab File: VV009469.D

Acq: 04 Mar 2019 13:36

Instrument :

MSVOA_V

ClientSampleID :

VSTD01065

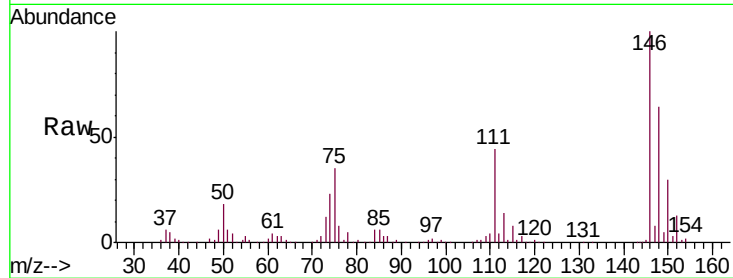
Tgt Ion:146 Resp: 178316

Ion Ratio Lower Upper

146 100

111 44.0 34.7 52.1

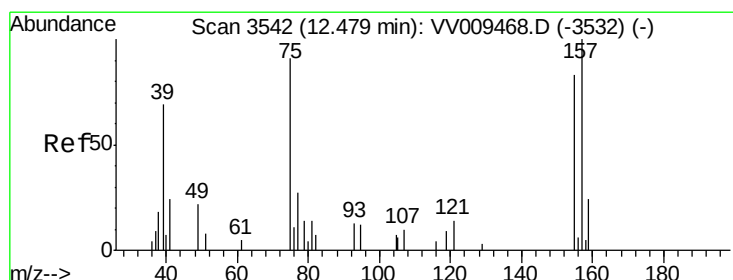
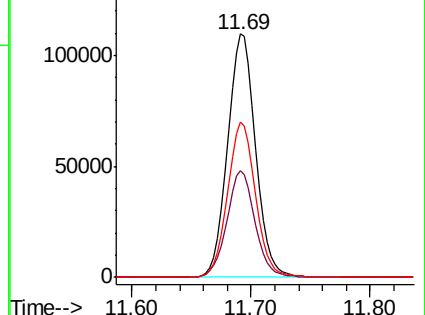
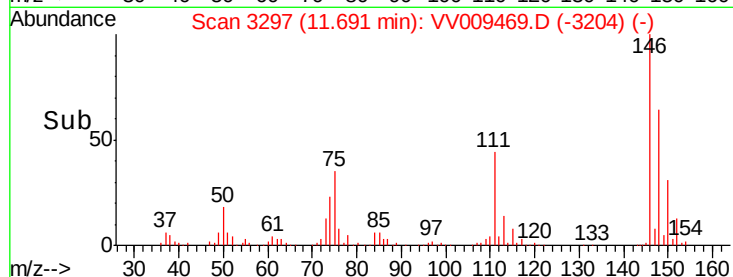
148 63.7 50.6 76.0



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: 10.212 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. -0.00 min

Lab File: VV009469.D

Acq: 04 Mar 2019 13:36

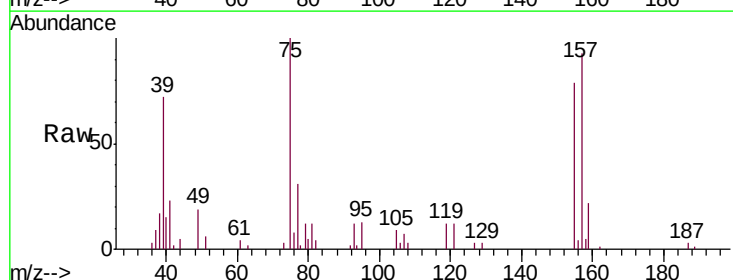
Tgt Ion: 75 Resp: 11447

Ion Ratio Lower Upper

75 100

155 78.8 73.5 110.3

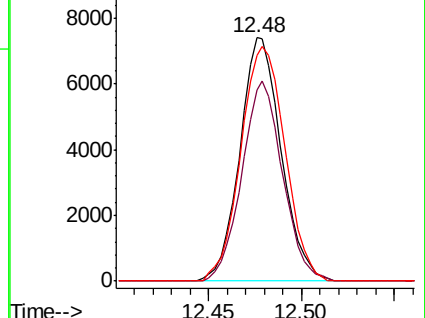
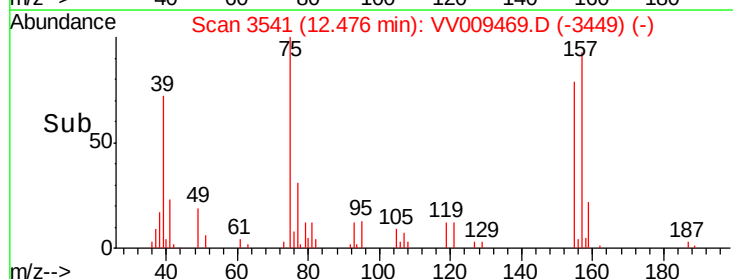
157 92.9 88.3 132.5

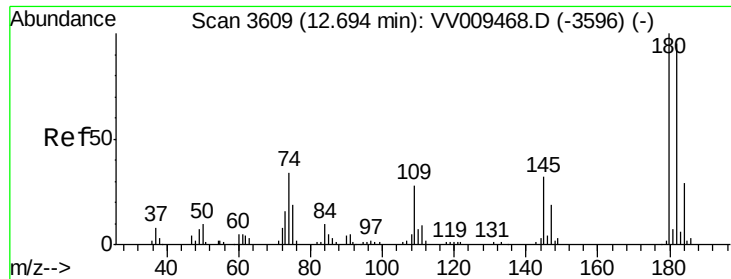


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

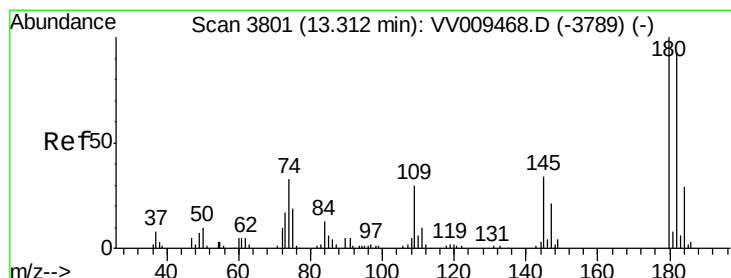
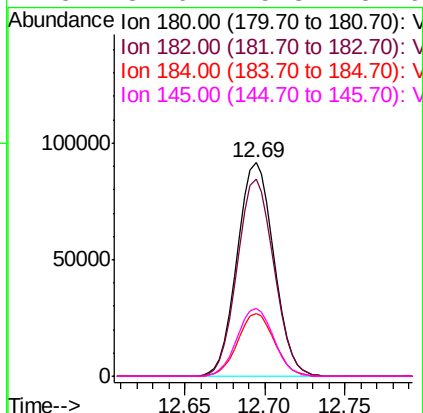
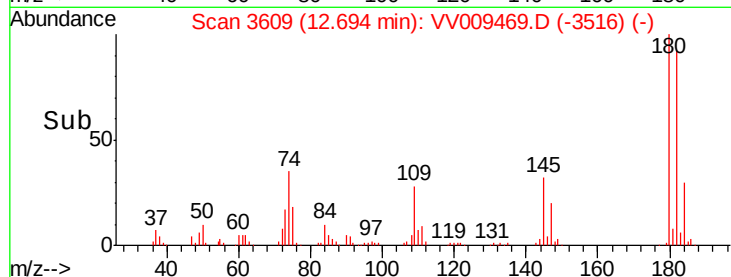
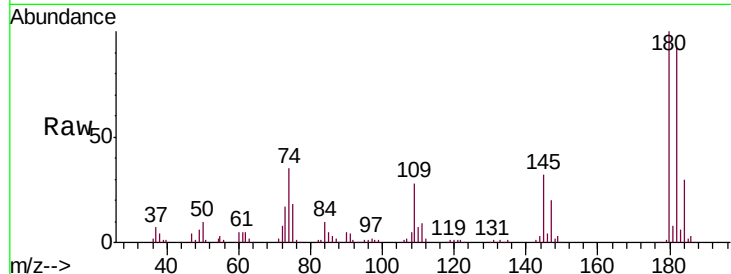




#67
 1,3,5-Trichlorobenzene
 Concen: 10.251 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VV009469.D
 Acq: 04 Mar 2019 13:36

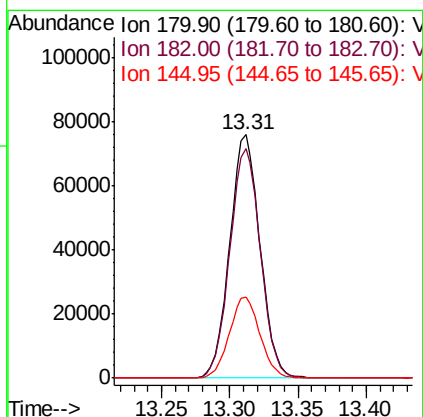
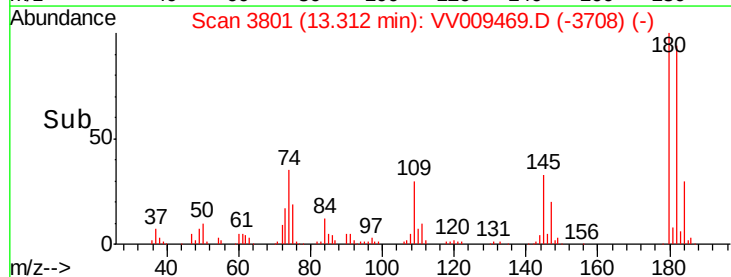
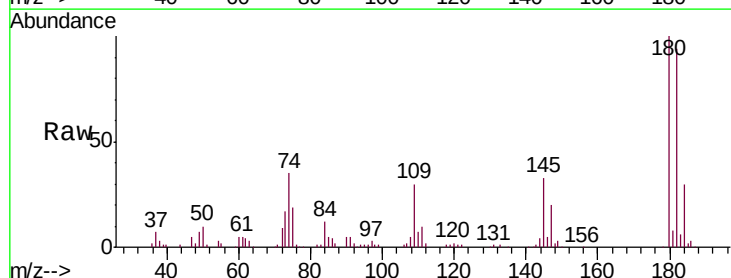
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD01065

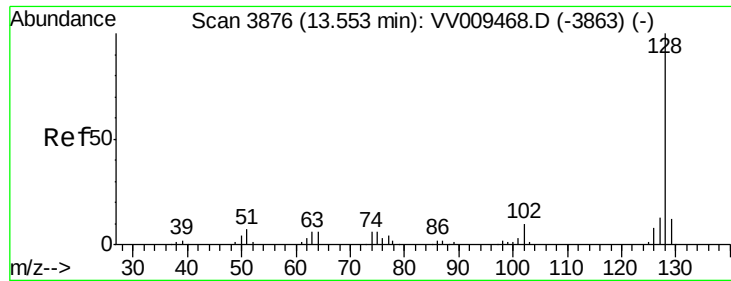
Tgt Ion	Resp	Lower	Upper
180	142977		
182	92.3	75.0	112.6
184	29.4	23.9	35.9
145	31.6	25.3	37.9



#68
 1,2,4-trichlorobenzene
 Concen: 11.049 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. -0.00 min
 Lab File: VV009469.D
 Acq: 04 Mar 2019 13:36

Tgt Ion	Resp	Lower	Upper
180	117283		
182	95.0	75.2	112.8
145	33.6	26.6	39.8





#69

Naphthalene

Concen: 11.295 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. -0.00 min

Lab File: VV009469.D

Acq: 04 Mar 2019 13:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD01065

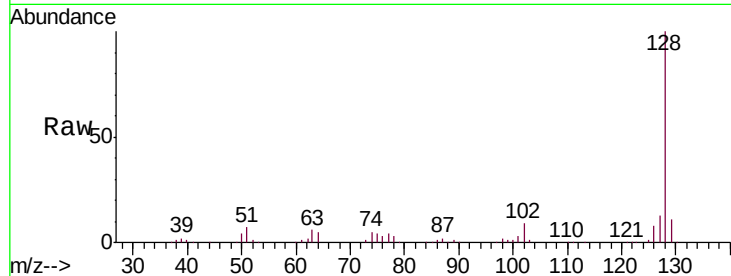
Tgt Ion:128 Resp: 200818

Ion Ratio Lower Upper

128 100

129 10.8 8.9 13.3

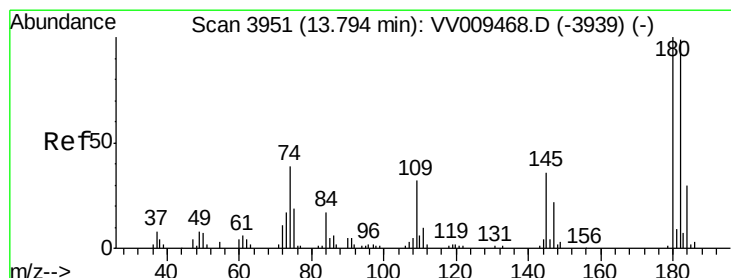
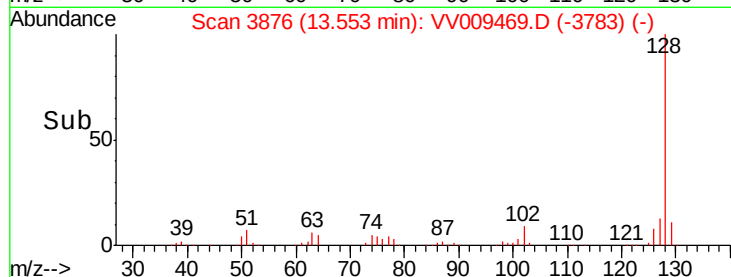
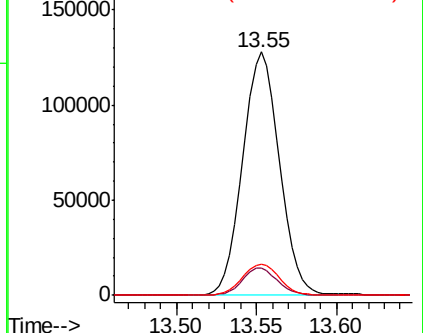
127 13.1 10.4 15.6



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: 10.859 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. -0.00 min

Lab File: VV009469.D

Acq: 04 Mar 2019 13:36

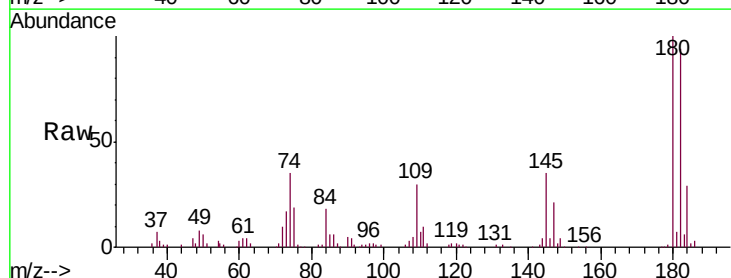
Tgt Ion:180 Resp: 105560

Ion Ratio Lower Upper

180 100

182 93.6 76.8 115.2

145 35.1 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

