

Data File : VV009468.D
Acq On : 04 Mar 2019 13:10
Operator : SY/MD
Sample : VSTD00564
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00564

Quant Time: Mar 05 03:49:42 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	5.66	114	94990	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	91976	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	45111	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	33141	6.35	ug/L	0.00
7) Chloroethane-d5	1.58	69	27891	5.97	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	82667	6.29	ug/L	0.00
20) 2-Butanone-d5	3.98	46	63552	65.12	ug/L	0.00
24) Chloroform-d	4.40	84	59021	5.93	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	29597	6.03	ug/L	0.00
32) Benzene-d6	5.10	84	118942	5.91	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	34884	5.73	ug/L	0.00
41) Toluene-d8	7.36	98	118385	5.78	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	14759	5.50	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	49574	57.31	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	26476	5.62	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	41170	5.64	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	30649	5.246 ug/L	100
3) Chloromethane	1.25	50	33711	5.429 ug/L	100
5) Vinyl chloride	1.32	62	38348	5.597 ug/L	100
6) Bromomethane	1.54	94	23906	5.164 ug/L	100
8) Chloroethane	1.60	64	24885	5.482 ug/L	100
9) Trichlorofluoromethane	1.77	101	79865	5.517 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	41699	5.840 ug/L	100
12) 1,1-Dichloroethene	2.14	96	35850	5.676 ug/L	100
13) Acetone	2.23	43	53291	58.219 ug/L	100
14) Carbon disulfide	2.32	76	118062	5.705 ug/L	100
15) Methyl Acetate	2.48	43	13883	5.846 ug/L	100
16) Methylene chloride	2.54	84	37845	5.392 ug/L	100
17) Methyl tert-butyl Ether	2.81	73	91912	5.681 ug/L	100
18) trans-1,2-Dichloroethene	2.79	96	39623	5.748 ug/L	100
19) 1,1-Dichloroethane	3.23	63	52411	5.768 ug/L	100
21) 2-Butanone	4.07	43	63500	55.530 ug/L	100
22) cis-1,2-Dichloroethene	3.96	96	35122	5.479 ug/L	100
23) Bromochloromethane	4.30	128	13939	5.439 ug/L	100
25) Chloroform	4.43	83	59787	5.401 ug/L	100
27) 1,2-Dichloroethane	5.18	62	37031	5.678 ug/L	100
29) 1,1,1-Trichloroethane	4.66	97	56275	5.392 ug/L	100
30) Cyclohexane	4.72	56	53585	5.322 ug/L	100
31) Carbon tetrachloride	4.87	117	45577	5.287 ug/L	100
33) Benzene	5.15	78	130313	5.445 ug/L	100
34) Trichloroethene	5.96	95	36871	5.393 ug/L	100
35) Methylcyclohexane	6.17	83	59145	5.241 ug/L	100
37) 1,2-Dichloropropane	6.22	63	30688	5.218 ug/L	100
38) Bromodichloromethane	6.56	83	44467	5.460 ug/L	100
39) cis-1,3-Dichloropropene	7.07	75	49595	5.341 ug/L	100
40) 4-Methyl-2-pentanone	7.28	43	172854	54.299 ug/L	100

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Quant Time: Mar 05 03:49:42 2019
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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)
42) Toluene	7.43	91	149247	5.412	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	38608	5.341	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	22446	5.304	ug/L	100
47) Tetrachloroethene	8.02	164	28193	5.264	ug/L	100
48) 2-Hexanone	8.19	43	122337	57.260	ug/L	100
49) Dibromochloromethane	8.29	129	29444	5.329	ug/L	100
50) 1,2-Dibromoethane	8.40	107	22555	5.585	ug/L	100
51) Chlorobenzene	8.93	112	97999	5.455	ug/L	100
52) Ethylbenzene	9.06	91	169985	5.411	ug/L	100
53) m,p-xylene	9.18	106	66410	5.411	ug/L	100
54) o-xylene	9.59	106	63624	5.364	ug/L	100
55) Styrene	9.61	104	103699	5.370	ug/L	100
56) Isopropylbenzene	9.98	105	172808	5.439	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	27231	5.372	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	19010	5.477	ug/L	100
61) Bromoform	9.78	173	14143	5.036	ug/L	100
62) 1,3-Dichlorobenzene	11.23	146	75270	5.290	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	75471	5.380	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	69258	5.367	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	4606	5.634	ug/L	100
67) 1,3,5-Trichlorobenzene	12.69	180	55254	5.433	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	43986	5.683	ug/L	100
69) Naphthalene	13.55	128	71736	5.533	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	40057	5.650	ug/L	100

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

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```
ALS Vial      : 5      Sample Multiplier: 1
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Instrument :
MSVOA_V
ClientSampleId :
VSTD00564

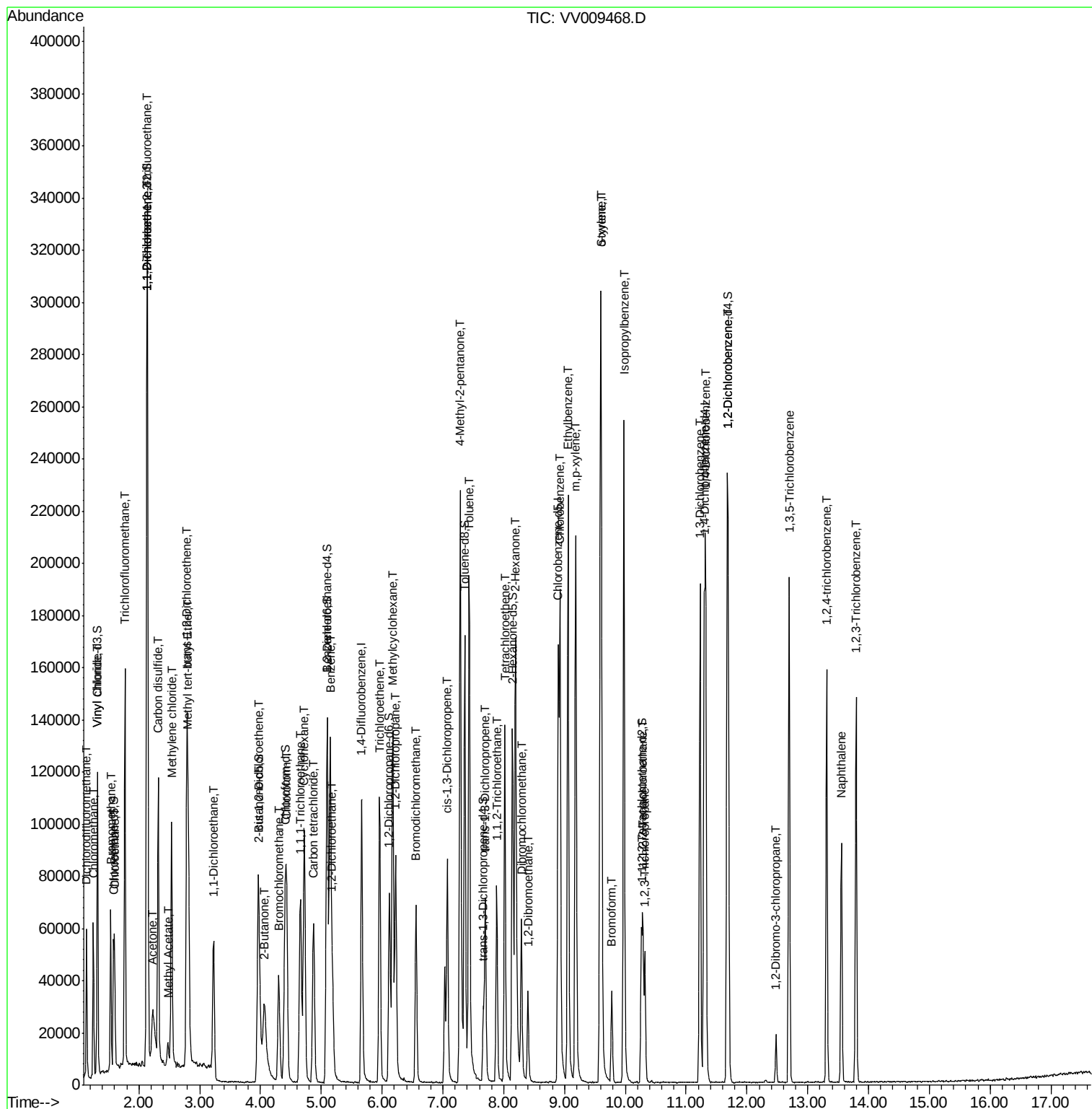
Quant Time: Mar 05 03:49:42 2019

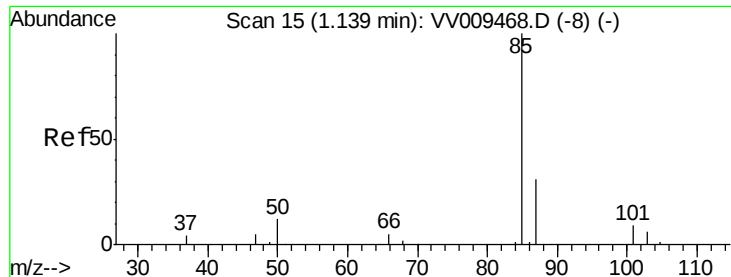
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0MVTR030419WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Tue Mar 05 03:46:07 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 5.246 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV009468.D

Acq: 04 Mar 2019 13:10

Instrument :

MSVOA_V

ClientSampleId :

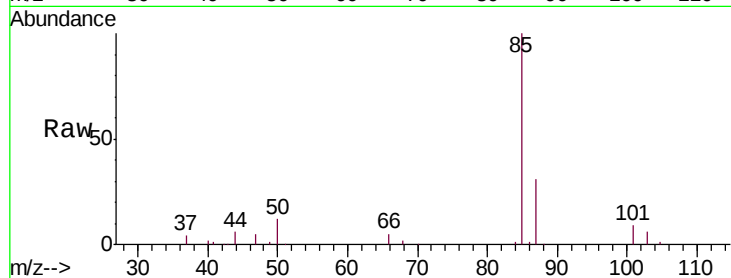
VSTD00564

Tgt Ion: 85 Resp: 30649

Ion Ratio Lower Upper

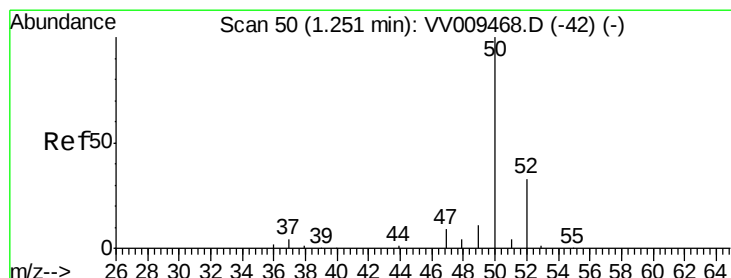
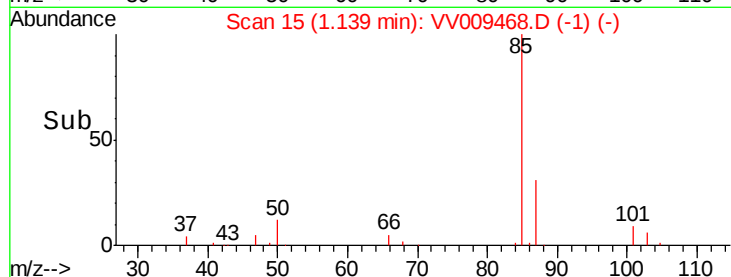
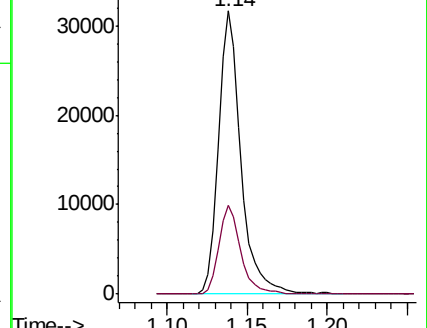
85 100

87 30.5 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: 5.429 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV009468.D

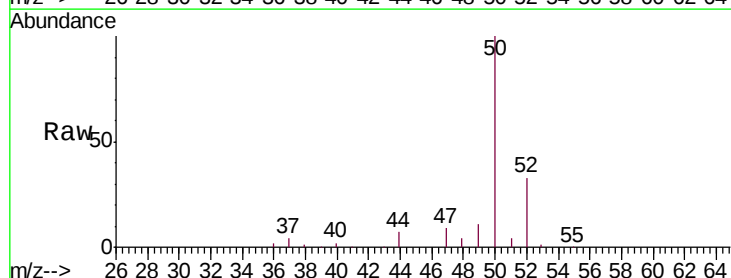
Acq: 04 Mar 2019 13:10

Tgt Ion: 50 Resp: 33711

Ion Ratio Lower Upper

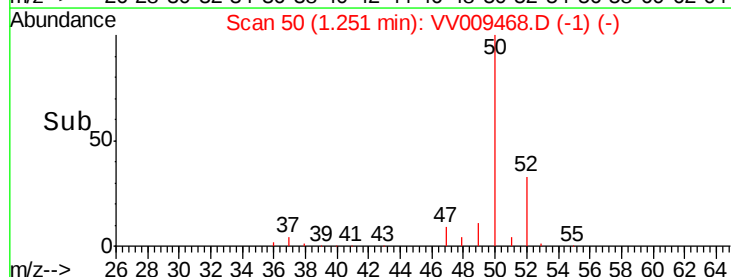
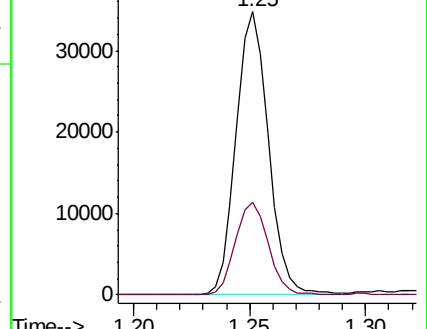
50 100

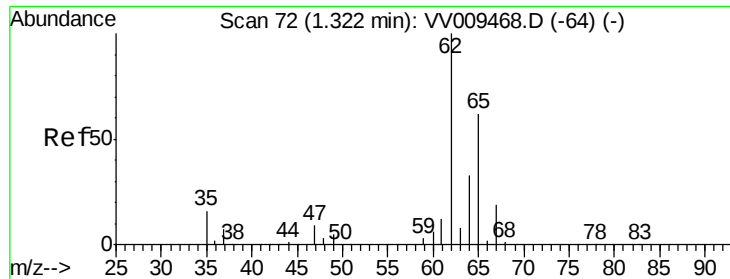
52 32.7 22.9 42.5



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

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

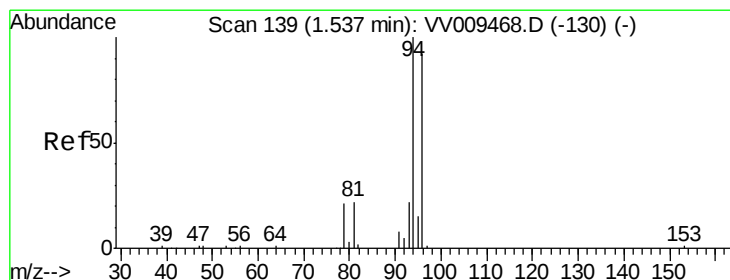
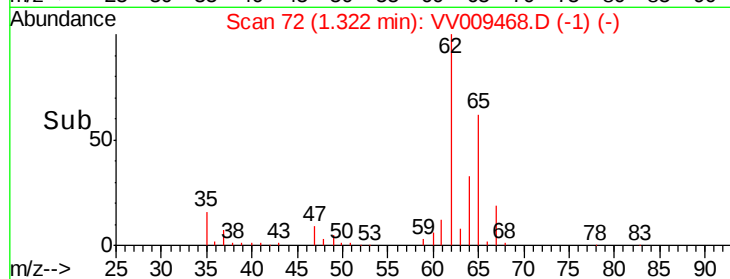
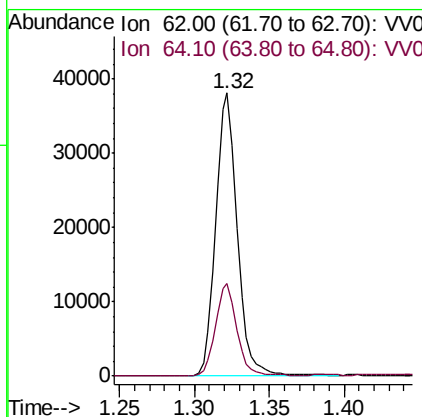
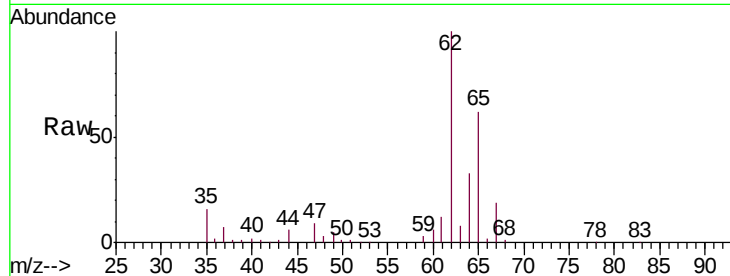




#5
 Vinyl chloride
 Concen: 5.597 ug/L
 RT: 1.32 min Scan# 72
 Delta R.T. 0.00 min
 Lab File: VV009468.D
 Acq: 04 Mar 2019 13:10

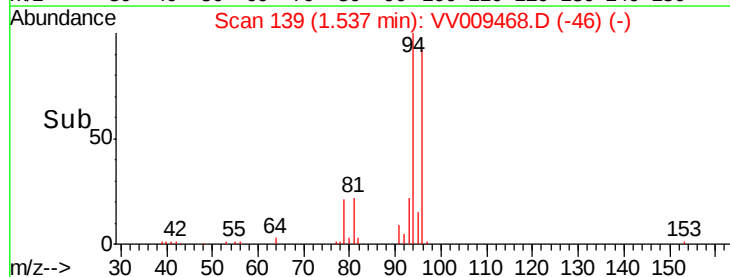
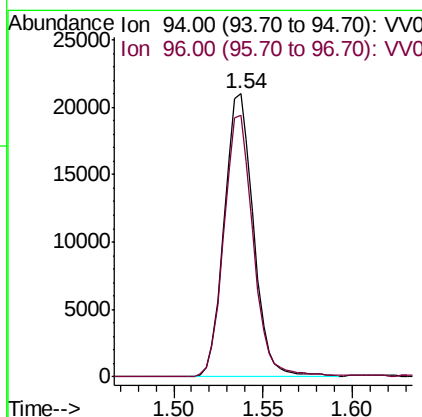
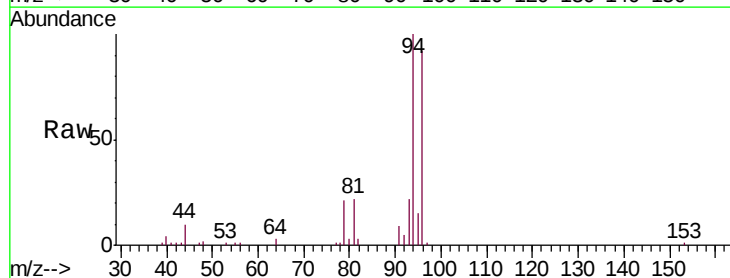
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00564

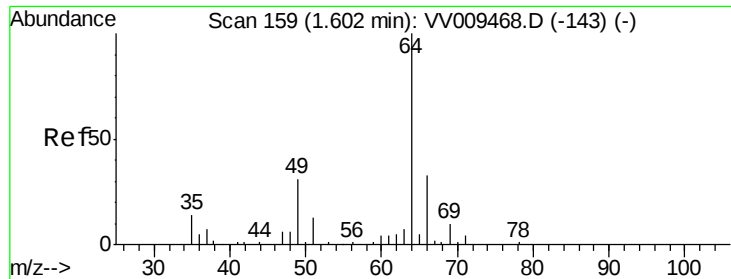
Tgt Ion: 62 Resp: 38348
 Ion Ratio Lower Upper
 62 100
 64 32.5 22.7 42.3



#6
 Bromomethane
 Concen: 5.164 ug/L
 RT: 1.54 min Scan# 139
 Delta R.T. 0.00 min
 Lab File: VV009468.D
 Acq: 04 Mar 2019 13:10

Tgt Ion: 94 Resp: 23906
 Ion Ratio Lower Upper
 94 100
 96 92.3 64.6 120.0





#8

Chloroethane

Concen: 5.482 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV009468.D

Acq: 04 Mar 2019 13:10

Instrument :

MSVOA_V

ClientSampleId :

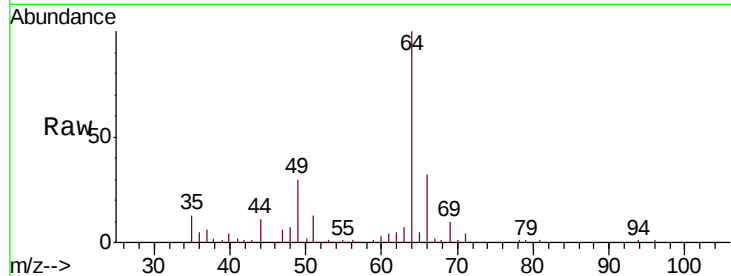
VSTD00564

Tgt Ion: 64 Resp: 24885

Ion Ratio Lower Upper

64 100

66 32.0 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

20000

15000

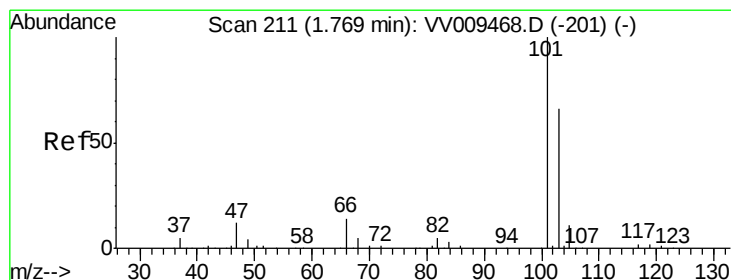
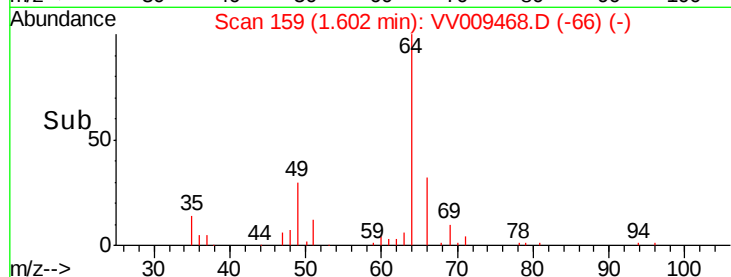
10000

5000

0

1.55 1.60 1.65

Time-->



#9

Trichlorofluoromethane

Concen: 5.517 ug/L

RT: 1.77 min Scan# 211

Delta R.T. 0.00 min

Lab File: VV009468.D

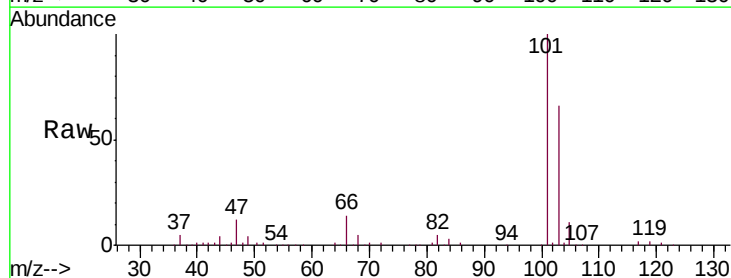
Acq: 04 Mar 2019 13:10

Tgt Ion: 101 Resp: 79865

Ion Ratio Lower Upper

101 100

103 65.4 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

60000

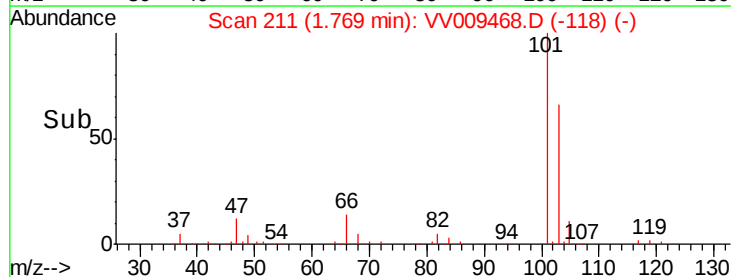
40000

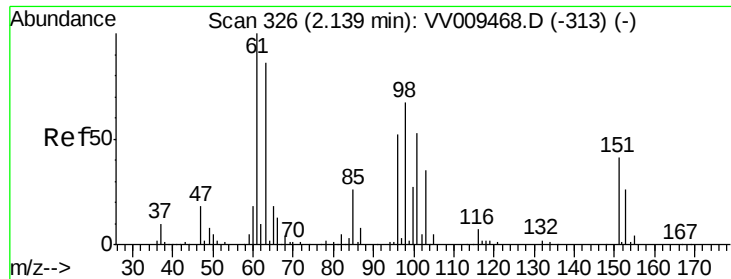
20000

0

1.70 1.75 1.80

Time-->





#10

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

Concen: 5.840 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV009468.D

Acq: 04 Mar 2019 13:10

Instrument :

MSVOA_V

ClientSampleId :

VSTD00564

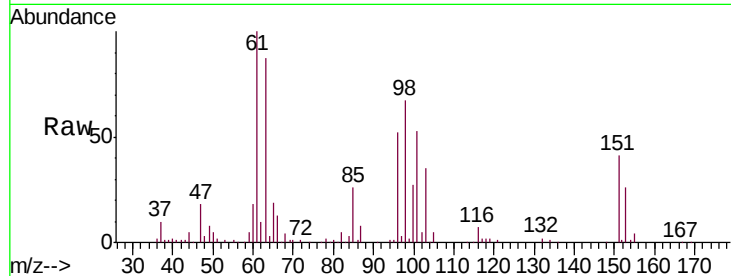
Tgt Ion: 101 Resp: 41699

Ion Ratio Lower Upper

101 100

85 49.0 39.2 58.8

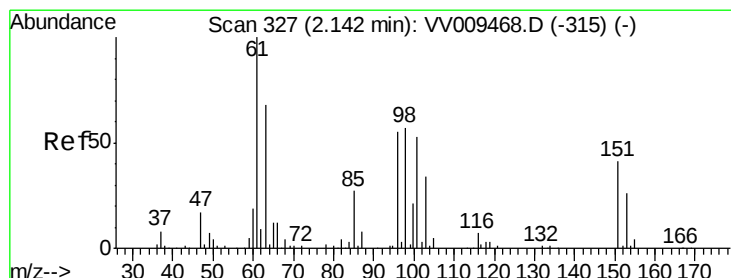
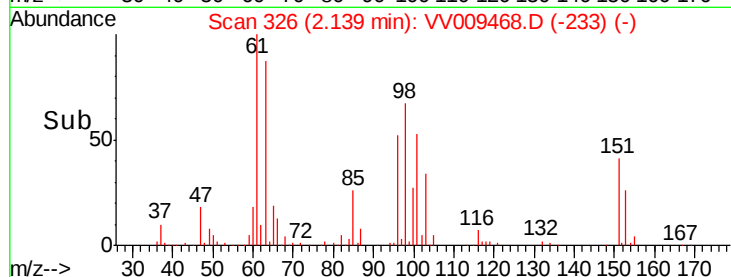
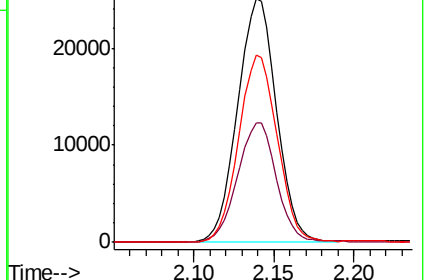
151 76.4 61.1 91.7



Abundance Ion 101.00 (100.70 to 101.70): VV009468.D (-313) (-)

Ion 85.00 (84.70 to 85.70): VV009468.D (-313) (-)

Ion 151.00 (150.70 to 151.70): VV009468.D (-313) (-)



#12

1,1-Dichloroethene

Concen: 5.676 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV009468.D

Acq: 04 Mar 2019 13:10

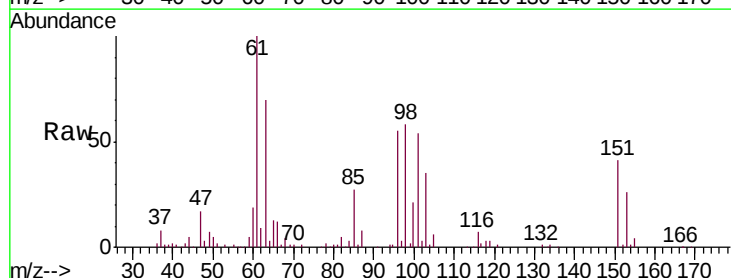
Tgt Ion: 96 Resp: 35850

Ion Ratio Lower Upper

96 100

61 181.5 127.1 236.0

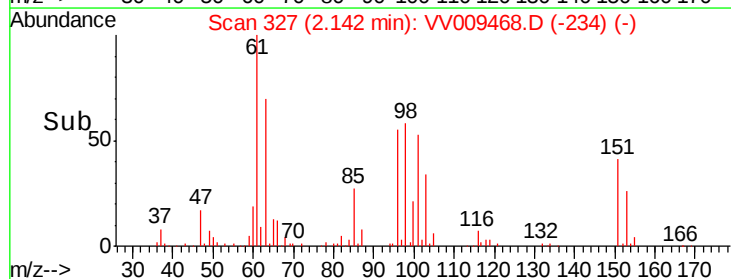
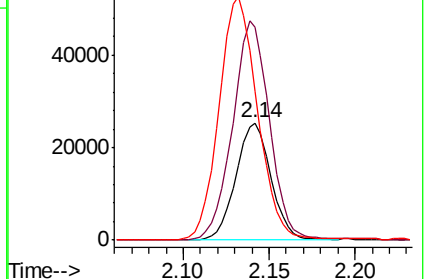
63 126.8 88.8 164.8

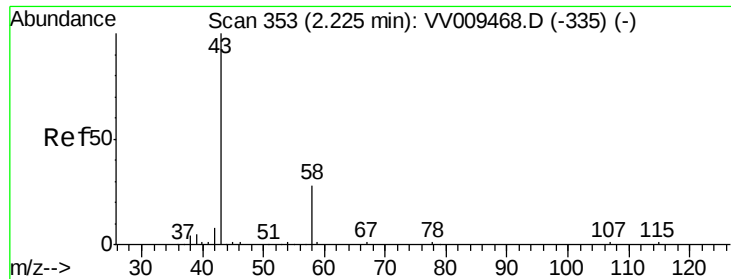


Abundance Ion 96.00 (95.70 to 96.70): VV009468.D (-315) (-)

Ion 61.05 (60.75 to 61.75): VV009468.D (-315) (-)

Ion 63.00 (62.70 to 63.70): VV009468.D (-315) (-)





#13

Acetone

Concen: 58.219 ug/L

RT: 2.23 min Scan# 353

Delta R.T. 0.00 min

Lab File: VV009468.D

Acq: 04 Mar 2019 13:10

Instrument :

MSVOA_V

ClientSampleId :

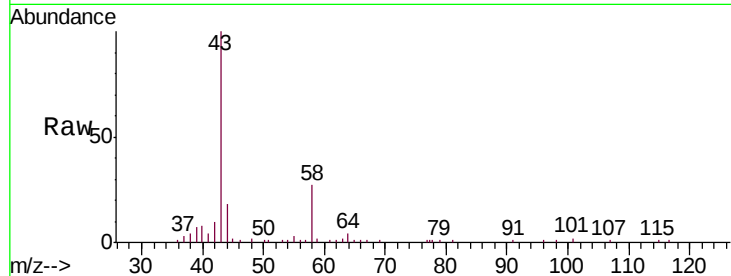
VSTD00564

Tgt Ion: 43 Resp: 53291

Ion Ratio Lower Upper

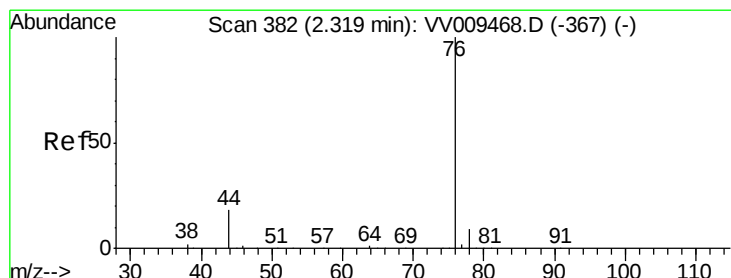
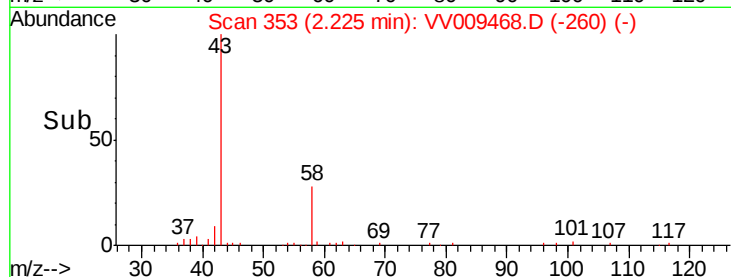
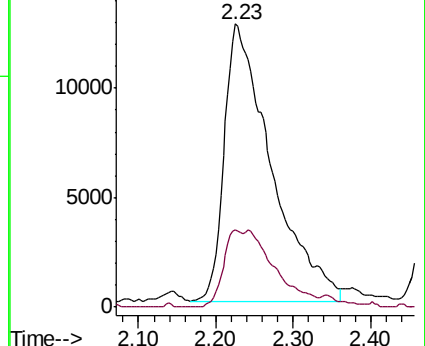
43 100

58 11.5 0.0 23.0



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

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



#14

Carbon disulfide

Concen: 5.705 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV009468.D

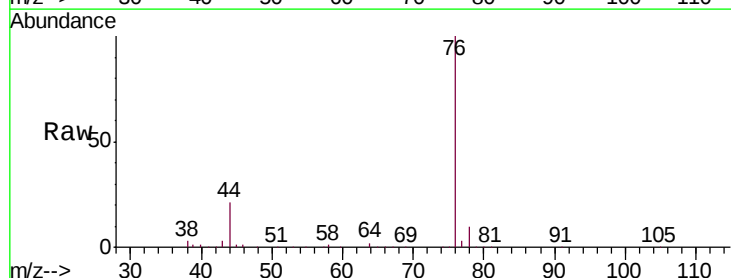
Acq: 04 Mar 2019 13:10

Tgt Ion: 76 Resp: 118062

Ion Ratio Lower Upper

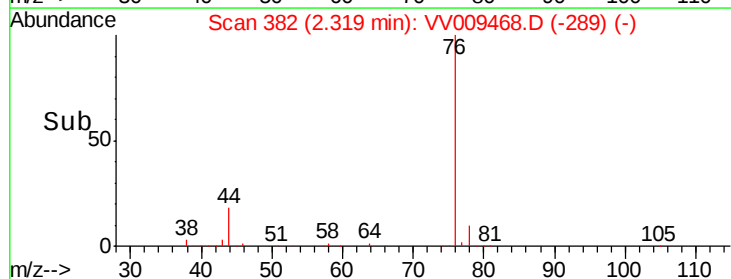
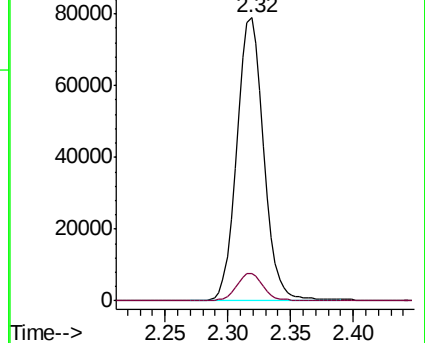
76 100

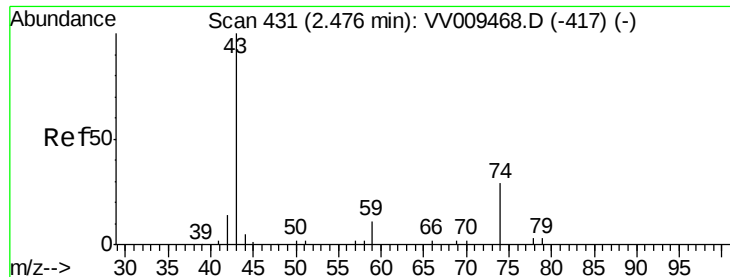
78 9.6 7.7 11.5



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

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

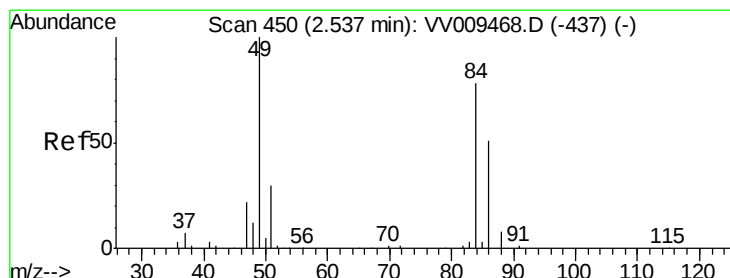
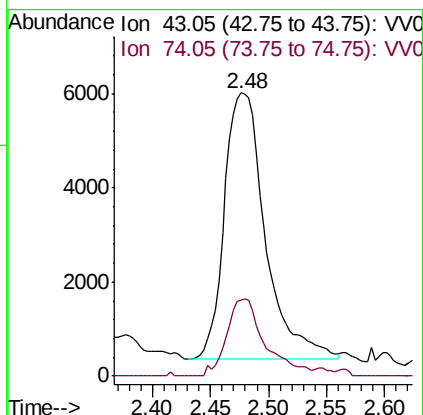
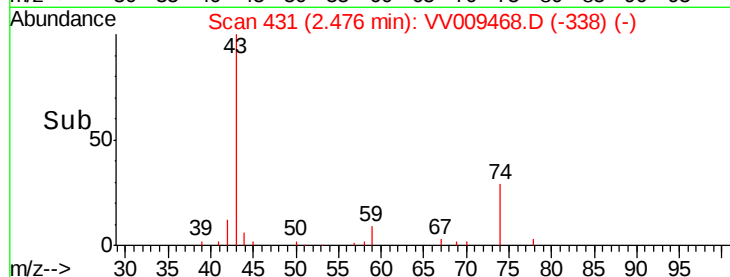
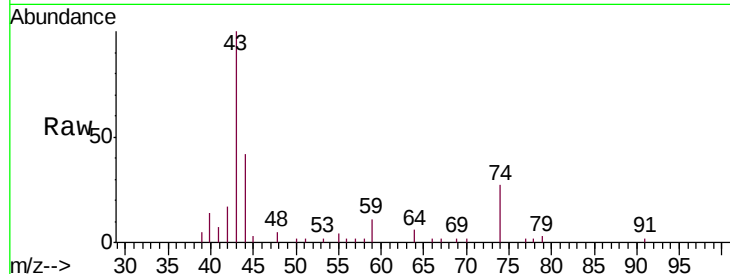




#15
Methyl Acetate
Concen: 5.846 ug/L
RT: 2.48 min Scan# 431
Delta R.T. 0.00 min
Lab File: VV009468.D
Acq: 04 Mar 2019 13:10

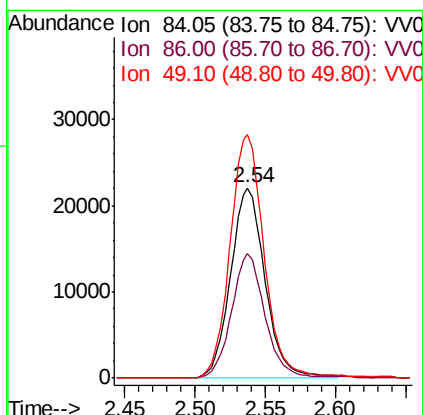
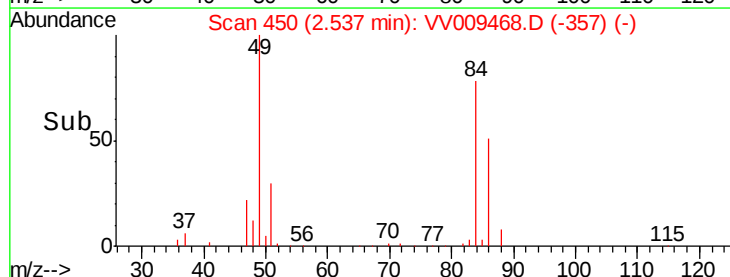
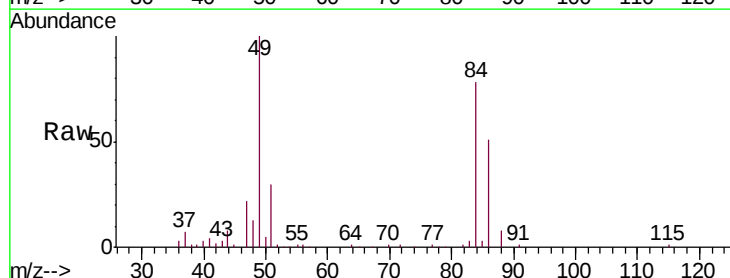
Instrument :
MSVOA_V
ClientSampleId :
VSTD00564

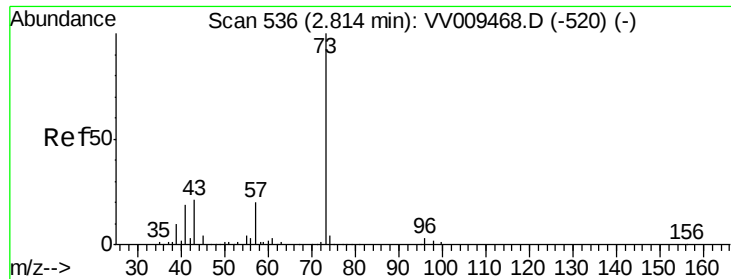
Tgt Ion: 43 Resp: 13883
Ion Ratio Lower Upper
43 100
74 27.2 21.8 32.6



#16
Methylene chloride
Concen: 5.392 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV009468.D
Acq: 04 Mar 2019 13:10

Tgt Ion: 84 Resp: 37845
Ion Ratio Lower Upper
84 100
86 65.8 46.1 85.5
49 128.1 89.7 166.5

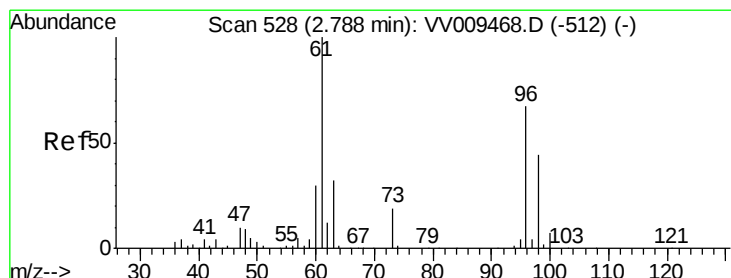
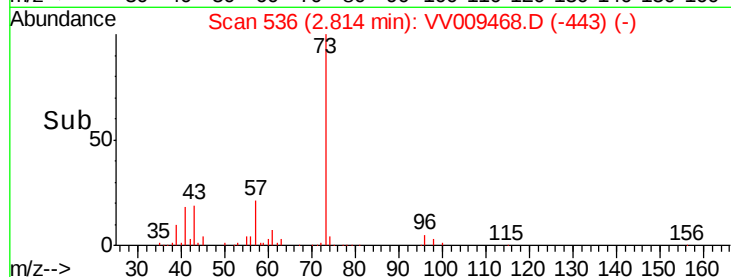
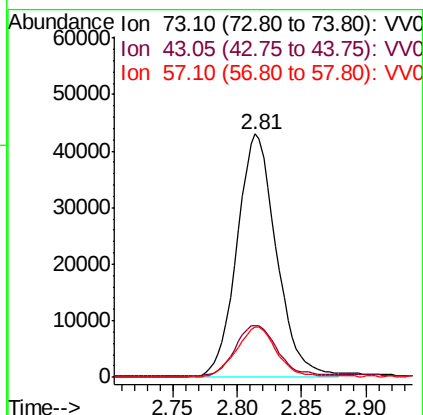
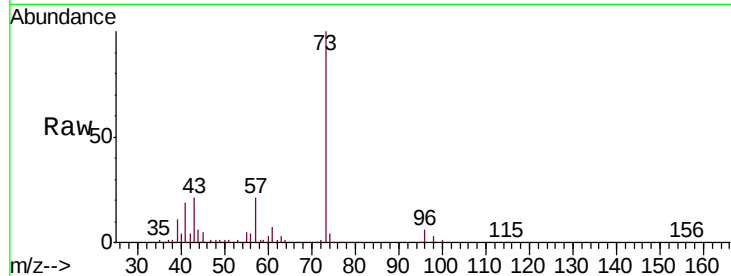




#17
Methyl tert-butyl Ether
Concen: 5.681 ug/L
RT: 2.81 min Scan# 536
Delta R.T. 0.00 min
Lab File: VV009468.D
Acq: 04 Mar 2019 13:10

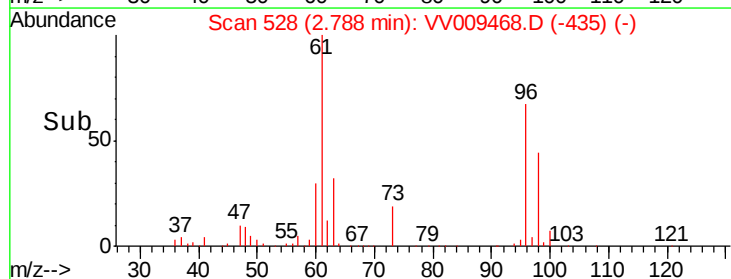
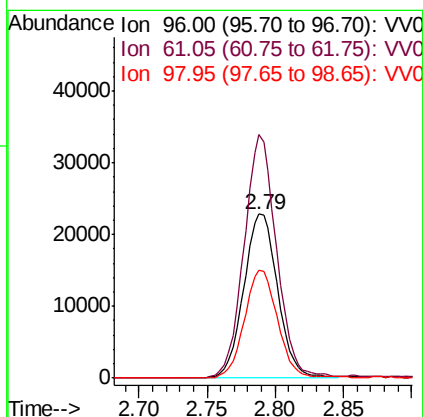
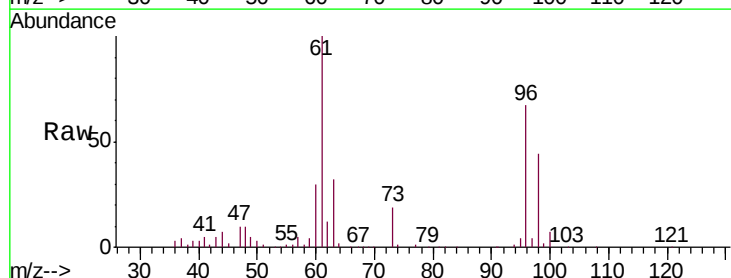
Instrument :
MSVOA_V
ClientSampleId :
VSTD00564

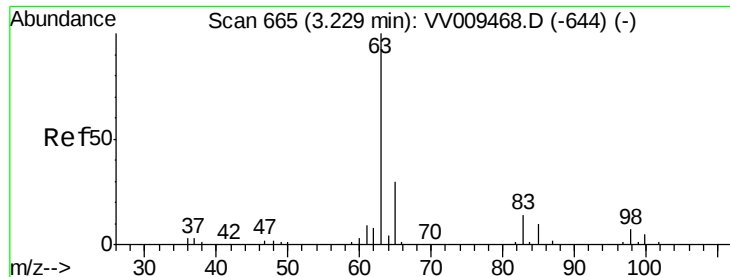
Tgt Ion: 73 Resp: 91912
Ion Ratio Lower Upper
73 100
43 21.5 17.2 25.8
57 21.6 17.3 25.9



#18
trans-1,2-Dichloroethene
Concen: 5.748 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV009468.D
Acq: 04 Mar 2019 13:10

Tgt Ion: 96 Resp: 39623
Ion Ratio Lower Upper
96 100
61 148.4 103.9 192.9
98 65.7 46.0 85.4

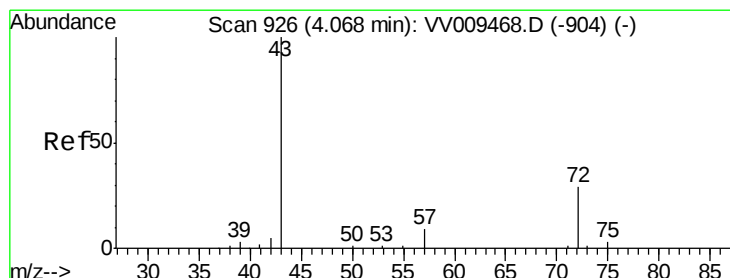
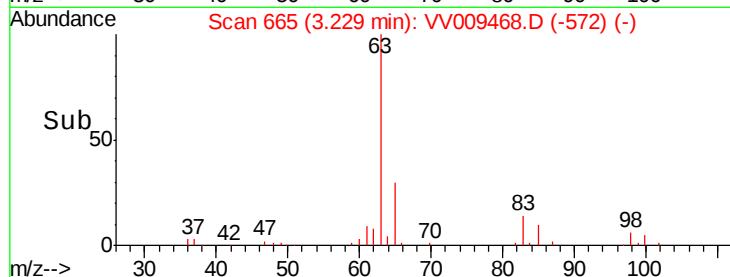
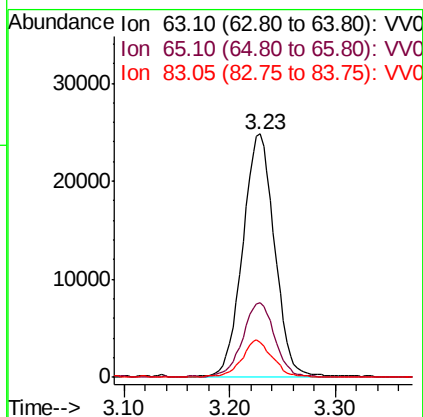
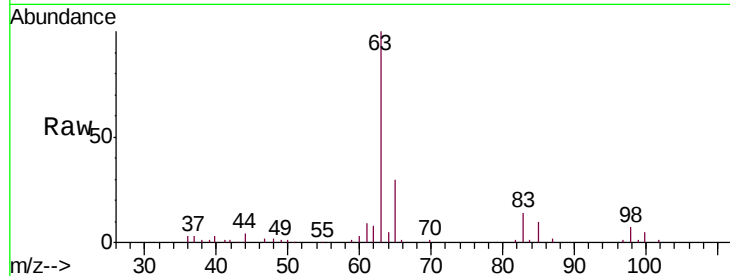




#19
 1,1-Dichloroethane
 Concen: 5.768 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV009468.D
 Acq: 04 Mar 2019 13:10

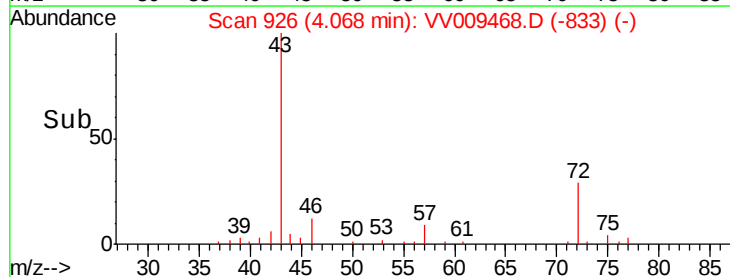
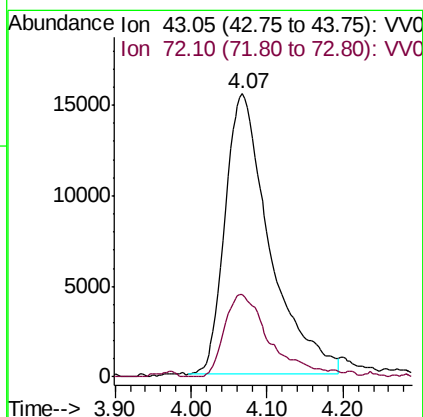
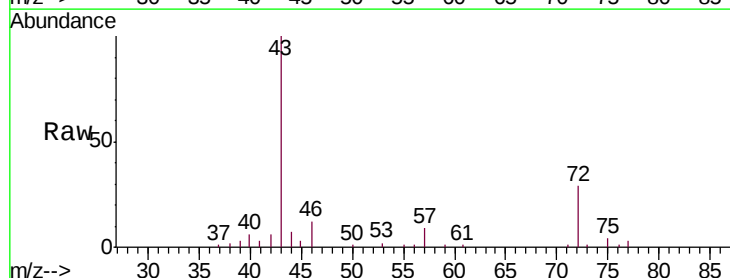
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00564

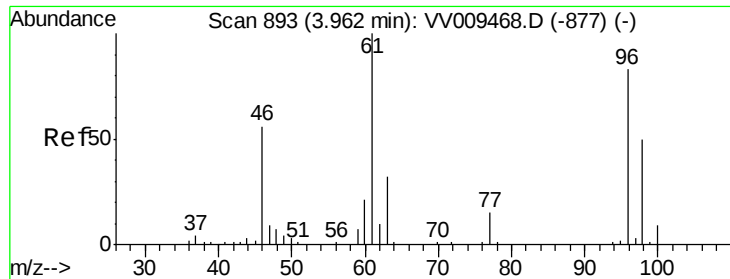
Tgt Ion: 63 Resp: 52411
 Ion Ratio Lower Upper
 63 100
 65 30.4 21.3 39.5
 83 14.2 9.9 18.5



#21
 2-Butanone
 Concen: 55.530 ug/L
 RT: 4.07 min Scan# 926
 Delta R.T. 0.00 min
 Lab File: VV009468.D
 Acq: 04 Mar 2019 13:10

Tgt Ion: 43 Resp: 63500
 Ion Ratio Lower Upper
 43 100
 72 29.6 14.8 44.4



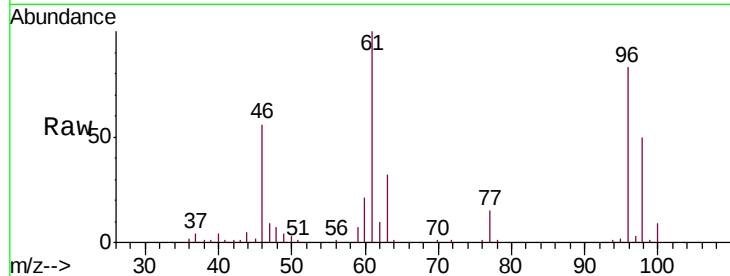


#22

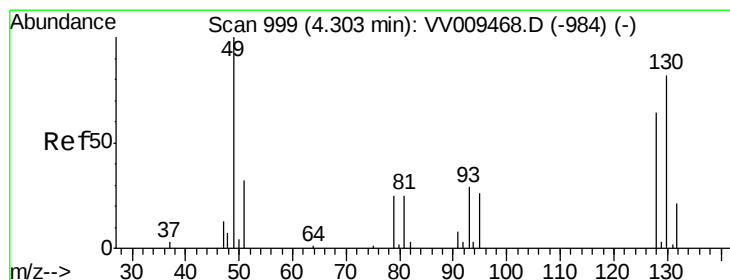
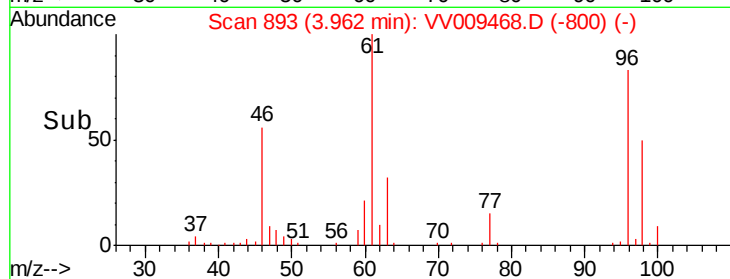
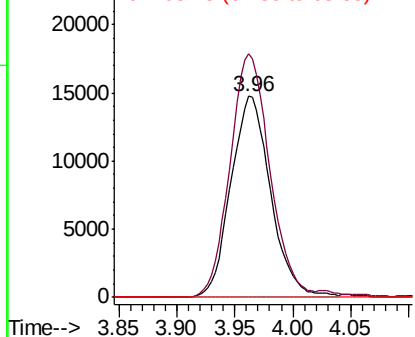
cis-1,2-Dichloroethene
Concen: 5.479 ug/L
RT: 3.96 min Scan# 893
Delta R.T. 0.00 min
Lab File: VV009468.D
Acq: 04 Mar 2019 13:10

Instrument :
MSVOA_V
ClientSampleId :
VSTD00564

Tgt Ion: 96 Resp: 35122
Ion Ratio Lower Upper
96 100
61 121.1 84.8 157.4
68 0.0 0.0 0.0



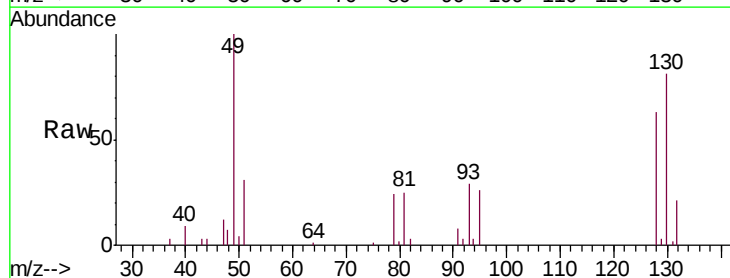
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



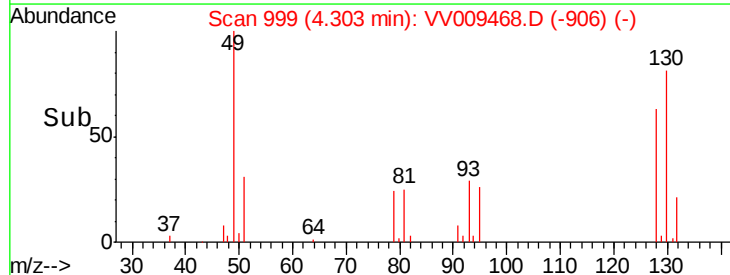
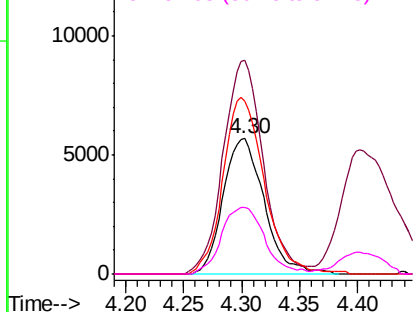
#23

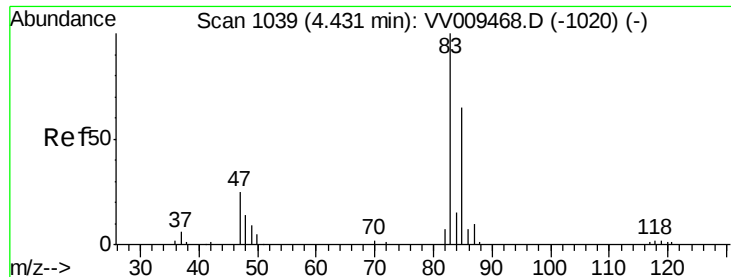
Bromochloromethane
Concen: 5.439 ug/L
RT: 4.30 min Scan# 999
Delta R.T. 0.00 min
Lab File: VV009468.D
Acq: 04 Mar 2019 13:10

Tgt Ion: 128 Resp: 13939
Ion Ratio Lower Upper
128 100
49 157.7 110.4 205.0
130 127.3 89.1 165.5
51 49.6 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

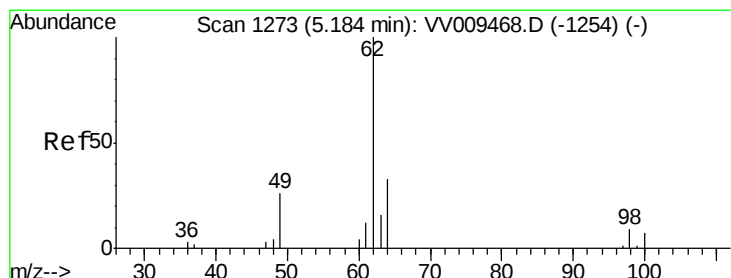
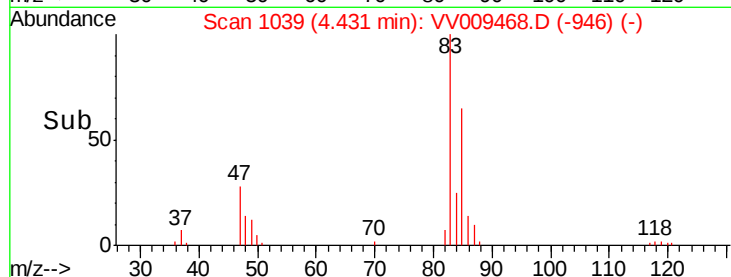
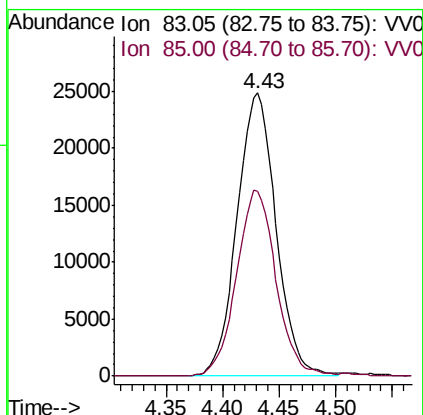
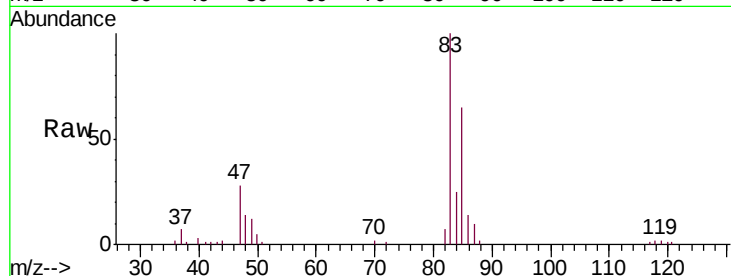




#25
Chloroform
Concen: 5.401 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. 0.00 min
Lab File: VV009468.D
Acq: 04 Mar 2019 13:10

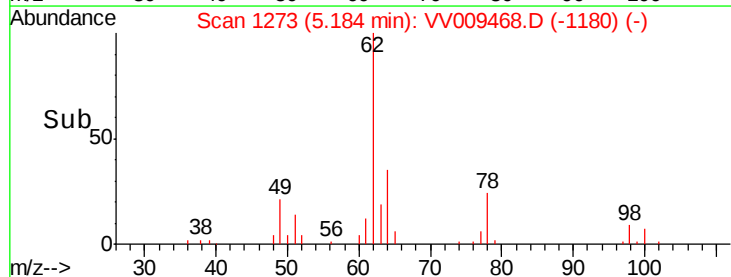
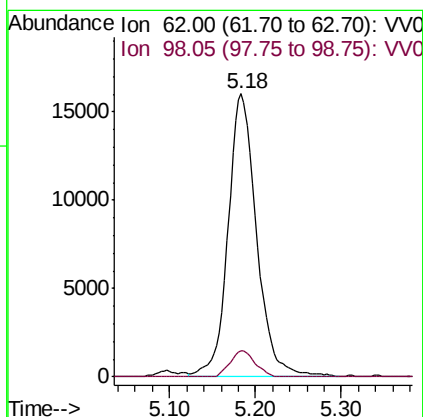
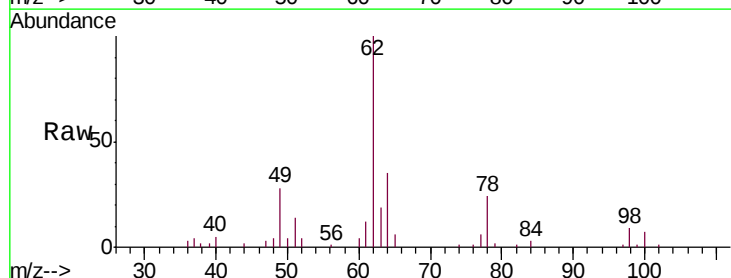
Instrument :
MSVOA_V
ClientSampled :
VSTD00564

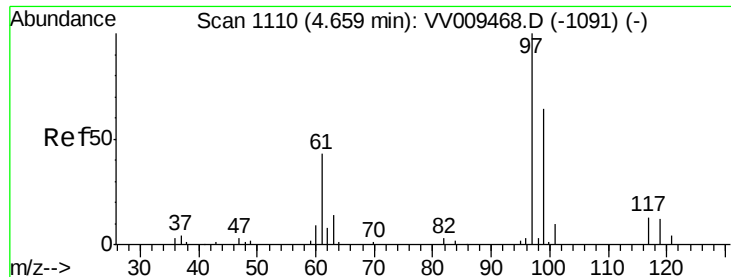
Tgt Ion: 83 Resp: 59787
Ion Ratio Lower Upper
83 100
85 65.3 45.7 84.9



#27
1,2-Dichloroethane
Concen: 5.678 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VV009468.D
Acq: 04 Mar 2019 13:10

Tgt Ion: 62 Resp: 37031
Ion Ratio Lower Upper
62 100
98 9.2 7.4 11.0

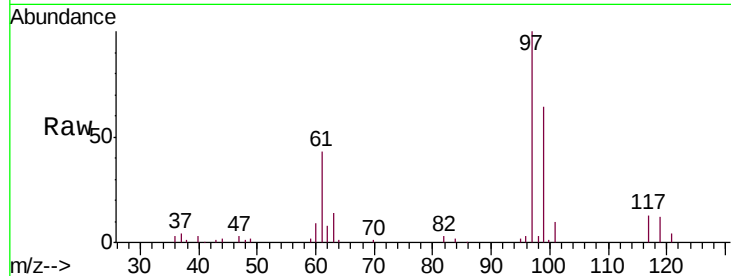




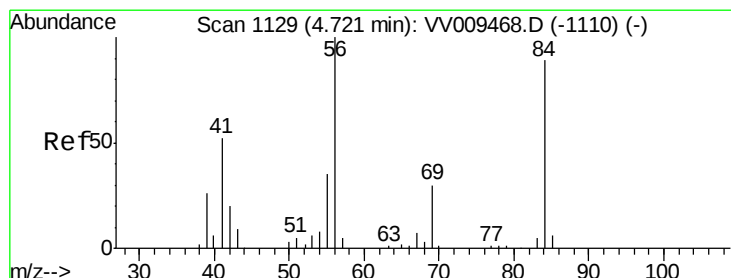
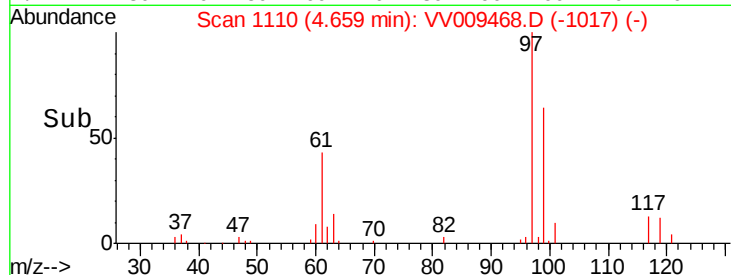
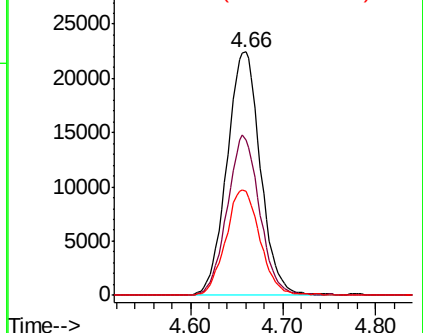
#29
 1,1,1-Trichloroethane
 Concen: 5.392 ug/L
 RT: 4.66 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VV009468.D
 Acq: 04 Mar 2019 13:10

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00564

Tgt Ion: 97 Resp: 56275
 Ion Ratio Lower Upper
 97 100
 99 63.5 50.8 76.2
 61 43.8 35.0 52.6

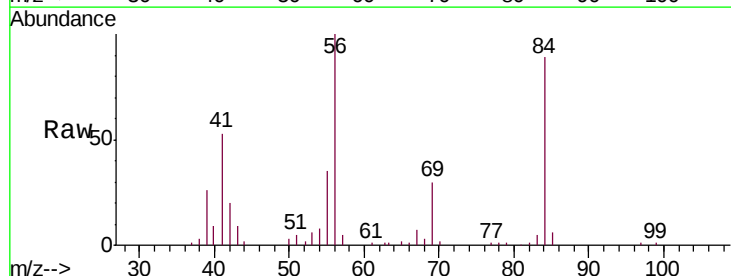


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

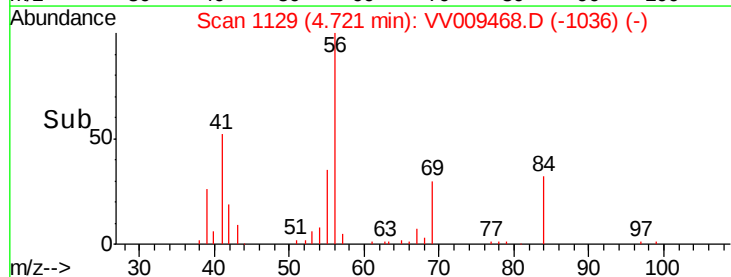
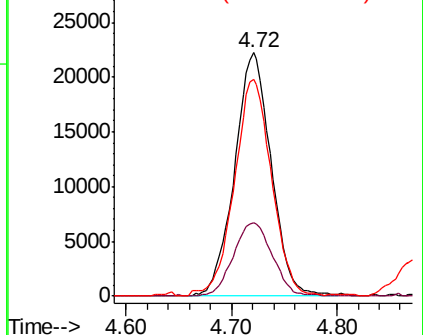


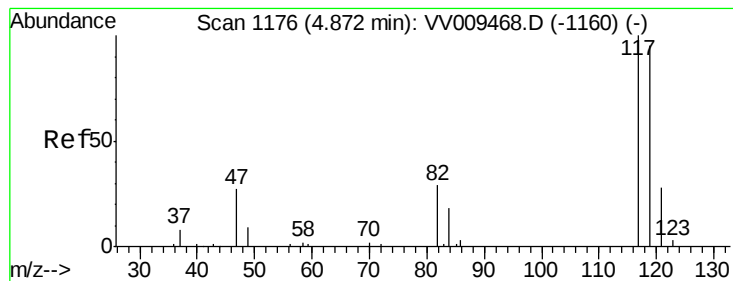
#30
 Cyclohexane
 Concen: 5.322 ug/L
 RT: 4.72 min Scan# 1129
 Delta R.T. 0.00 min
 Lab File: VV009468.D
 Acq: 04 Mar 2019 13:10

Tgt Ion: 56 Resp: 53585
 Ion Ratio Lower Upper
 56 100
 69 32.0 25.6 38.4
 84 90.5 72.4 108.6



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





#31

Carbon tetrachloride

Concen: 5.287 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VV009468.D

Acq: 04 Mar 2019 13:10

Instrument :

MSVOA_V

ClientSampleId :

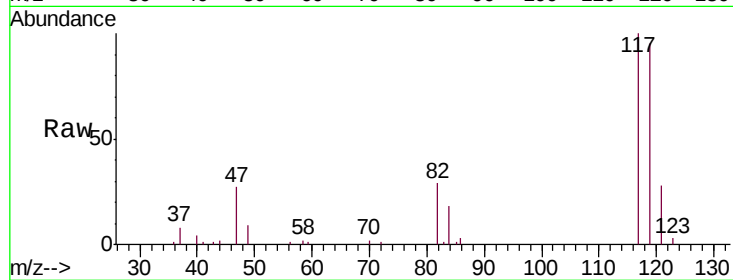
VSTD00564

Tgt Ion:117 Resp: 45577

Ion Ratio Lower Upper

117 100

119 94.3 75.4 113.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.87

20000

15000

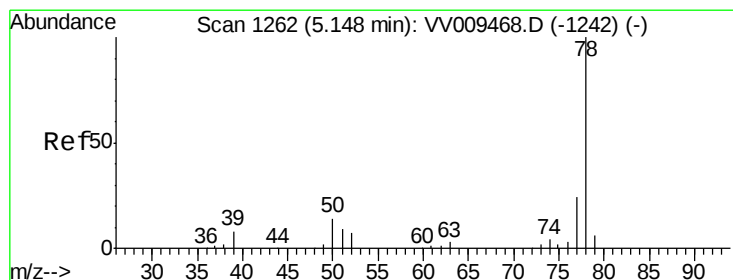
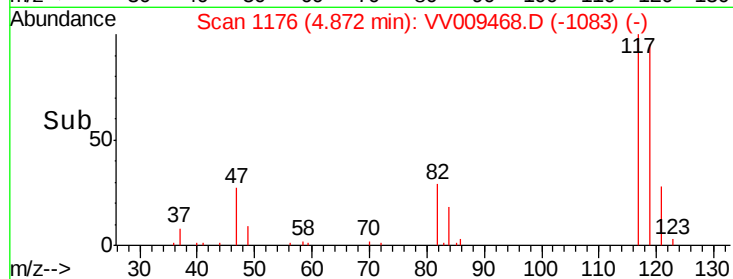
10000

5000

0

4.80 4.85 4.90 4.95

Time-->



#33

Benzene

Concen: 5.445 ug/L

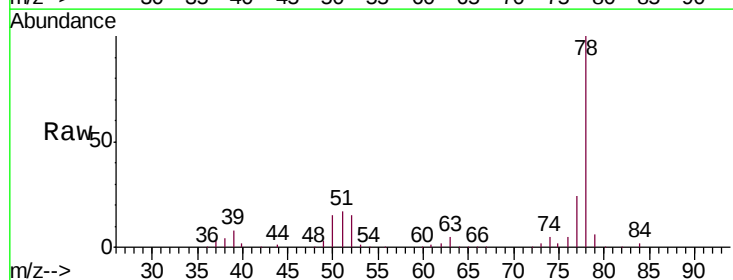
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VV009468.D

Acq: 04 Mar 2019 13:10

Tgt Ion: 78 Resp: 130313



Abundance Ion 78.10 (77.80 to 78.80): VV0

5.15

60000

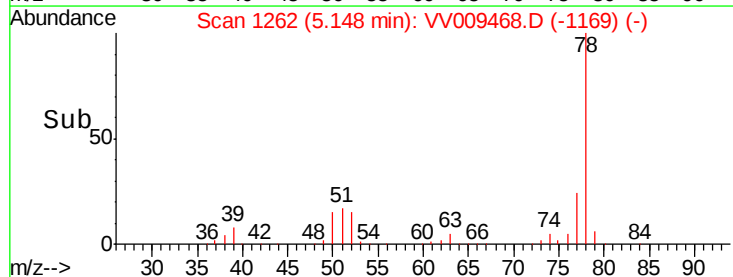
40000

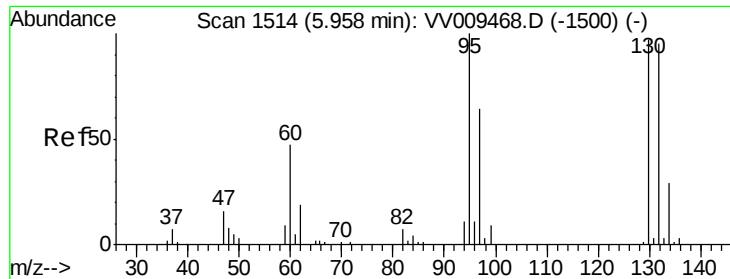
20000

0

5.10 5.20

Time-->

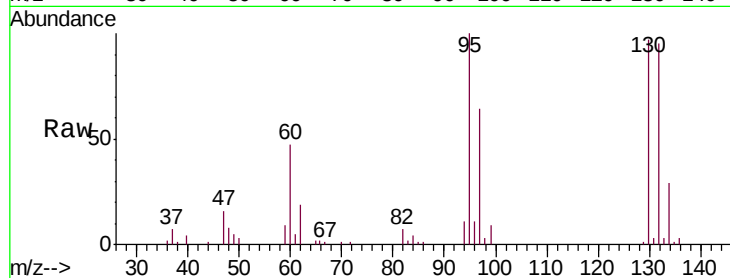




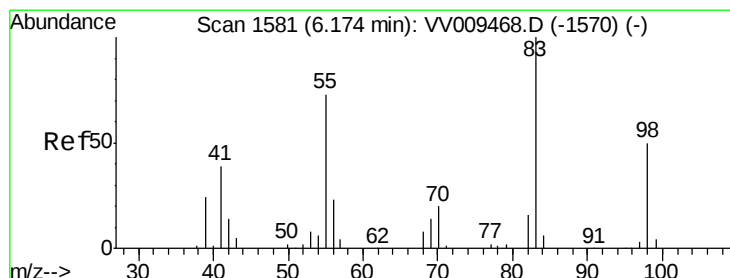
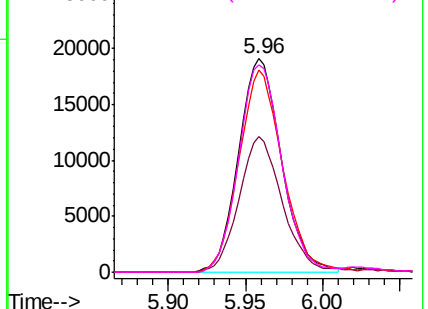
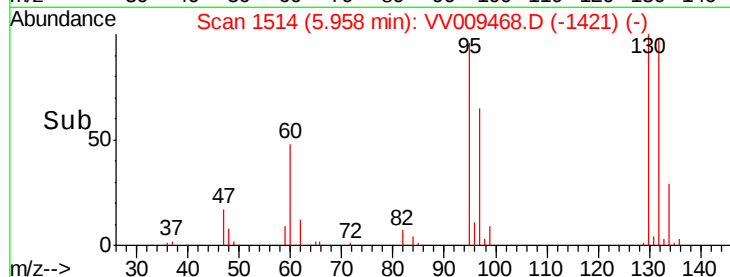
#34
 Trichloroethene
 Concen: 5.393 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV009468.D
 Acq: 04 Mar 2019 13:10

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00564

Tgt Ion: 95 Resp: 36871
 Ion Ratio Lower Upper
 95 100
 97 63.5 44.4 82.5
 132 94.9 66.4 123.4
 130 97.3 68.1 126.5

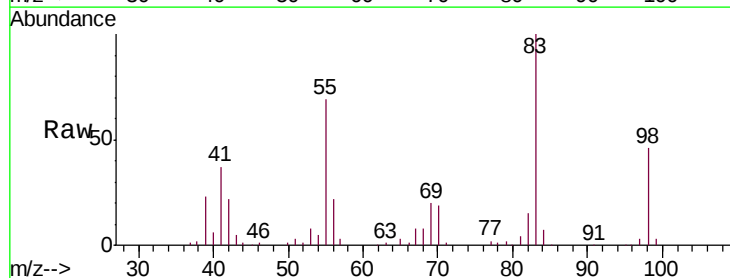


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

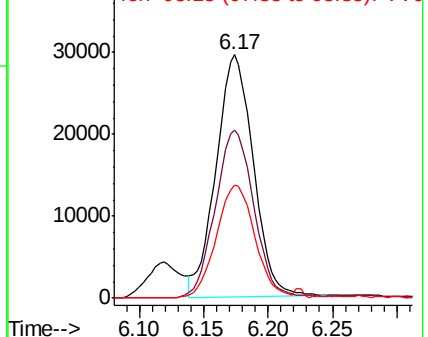
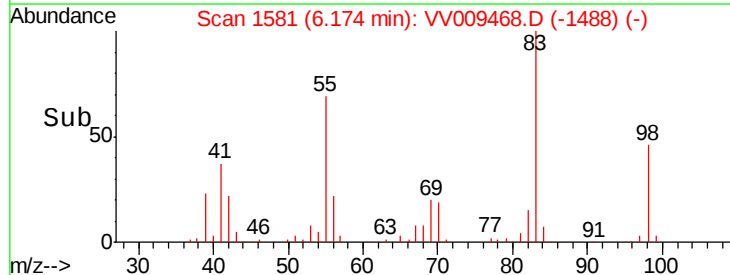


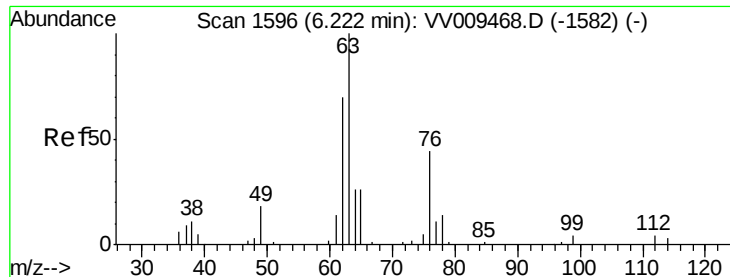
#35
 Methylcyclohexane
 Concen: 5.241 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: VV009468.D
 Acq: 04 Mar 2019 13:10

Tgt Ion: 83 Resp: 59145
 Ion Ratio Lower Upper
 83 100
 55 71.8 57.4 86.2
 98 48.6 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

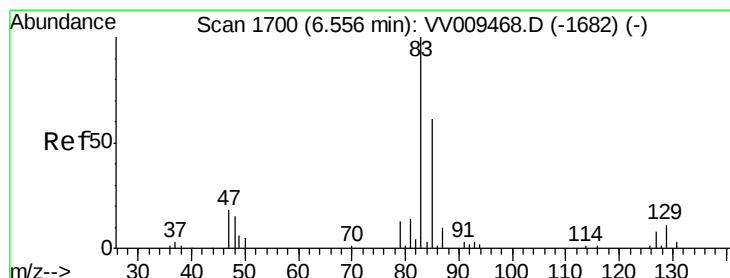
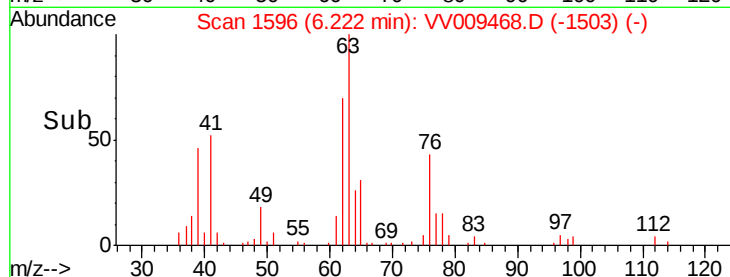
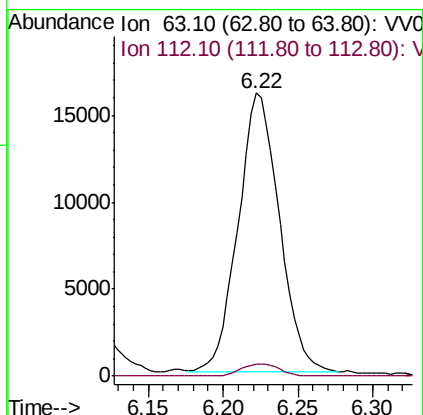
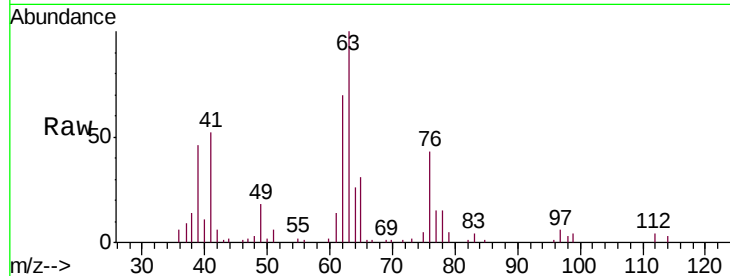




#37
 1,2-Dichloropropane
 Concen: 5.218 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. 0.00 min
 Lab File: VV009468.D
 Acq: 04 Mar 2019 13:10

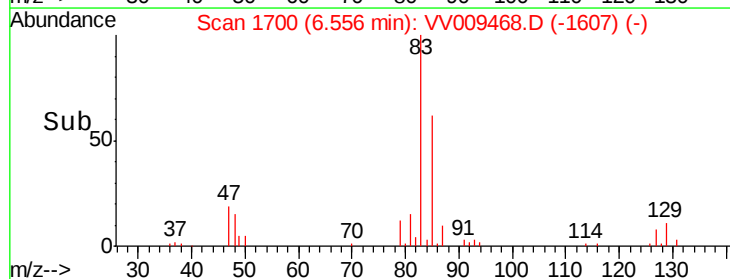
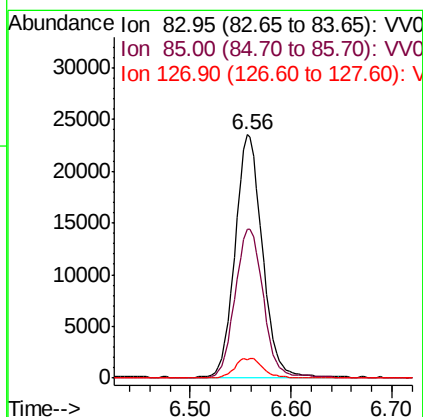
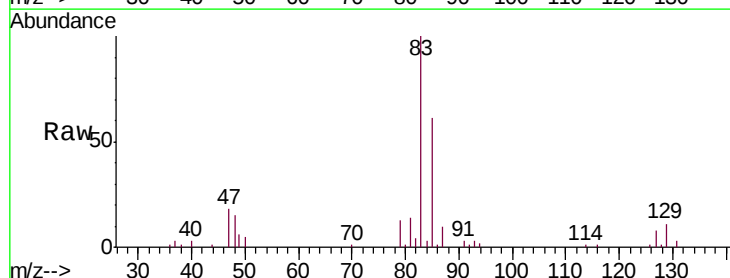
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00564

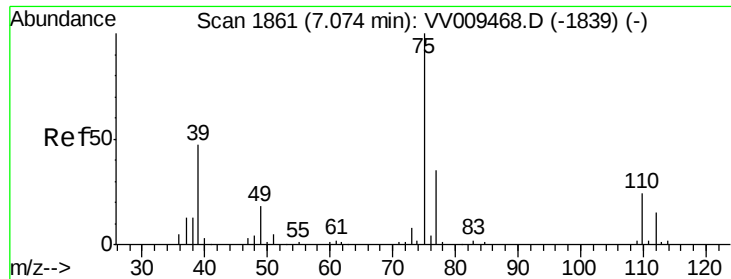
Tgt Ion: 63 Resp: 30688
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.3 4.9



#38
 Bromodichloromethane
 Concen: 5.460 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VV009468.D
 Acq: 04 Mar 2019 13:10

Tgt Ion: 83 Resp: 44467
 Ion Ratio Lower Upper
 83 100
 85 61.1 42.8 79.4
 127 7.8 6.2 9.4



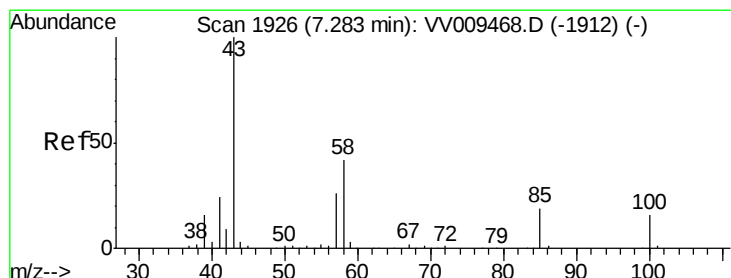
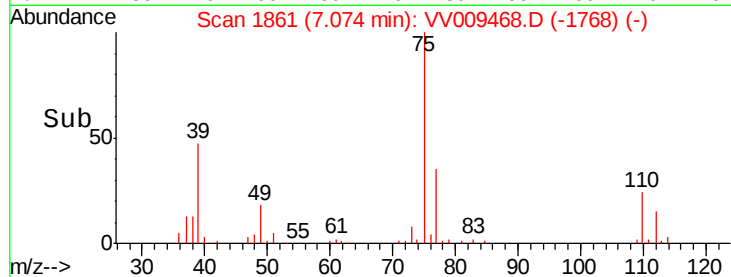
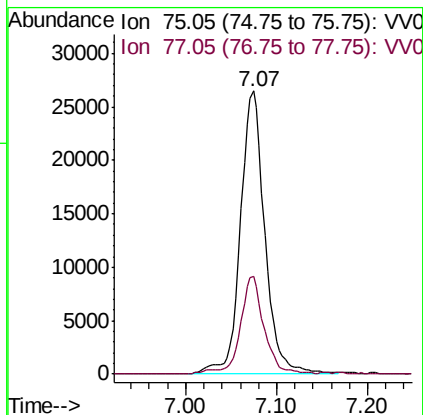
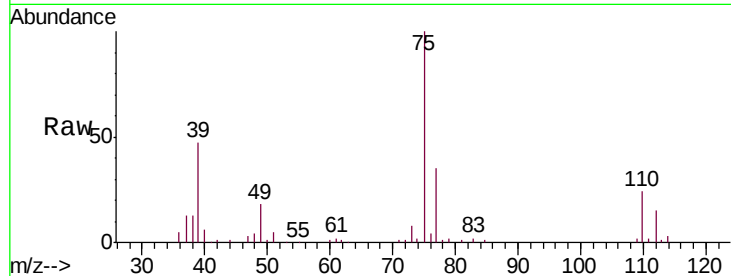


#39

cis-1,3-Dichloropropene
 Concen: 5.341 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VV009468.D
 Acq: 04 Mar 2019 13:10

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00564

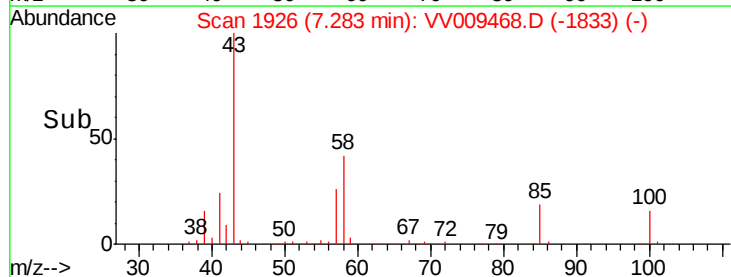
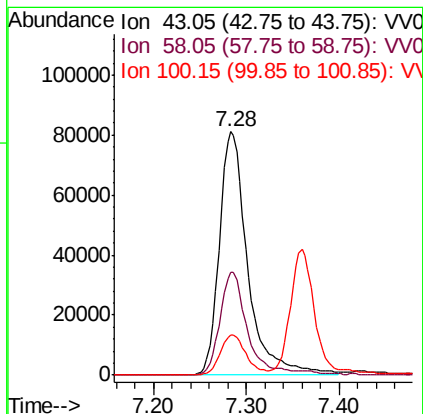
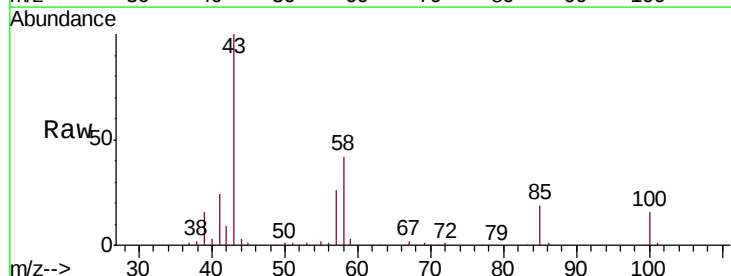
Tgt Ion: 75 Resp: 49595
 Ion Ratio Lower Upper
 75 100
 77 34.5 24.1 44.8

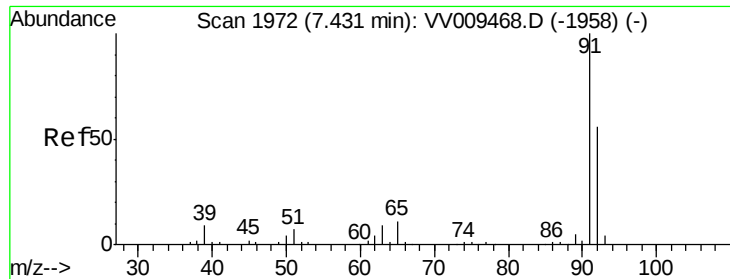


#40

4-Methyl-2-pentanone
 Concen: 54.299 ug/L
 RT: 7.28 min Scan# 1926
 Delta R.T. 0.00 min
 Lab File: VV009468.D
 Acq: 04 Mar 2019 13:10

Tgt Ion: 43 Resp: 172854
 Ion Ratio Lower Upper
 43 100
 58 40.4 32.3 48.5
 100 15.0 12.0 18.0





#42

Toluene

Concen: 5.412 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV009468.D

Acq: 04 Mar 2019 13:10

Instrument :

MSVOA_V

ClientSampleId :

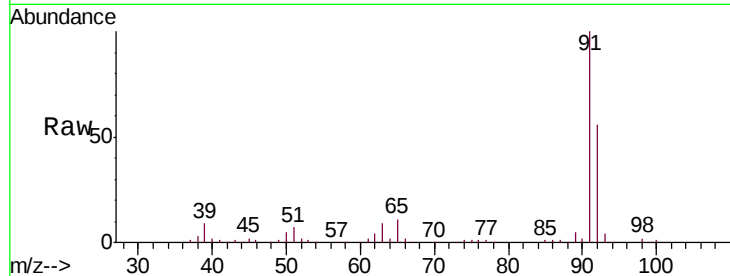
VSTD00564

Tgt Ion: 91 Resp: 149247

Ion Ratio Lower Upper

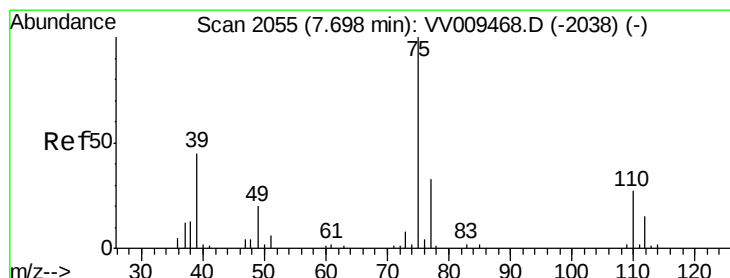
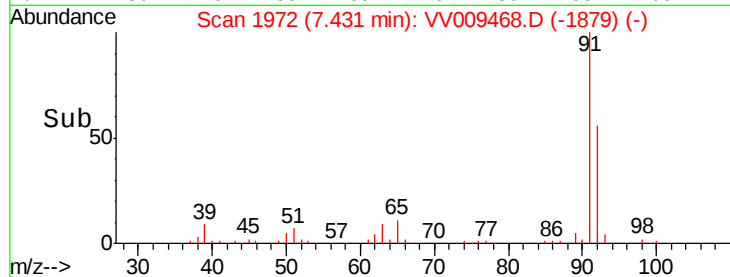
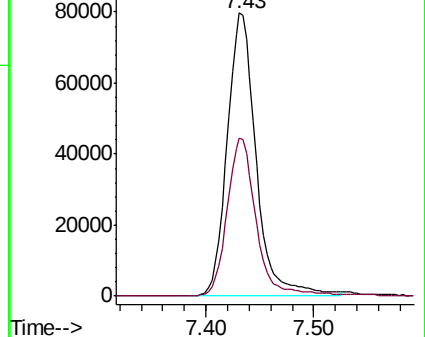
91 100

92 55.8 39.1 72.5



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

Ion 92.15 (91.85 to 92.85): VV009468.D (-1958) (-)



#44

trans-1,3-Dichloropropene

Concen: 5.341 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV009468.D

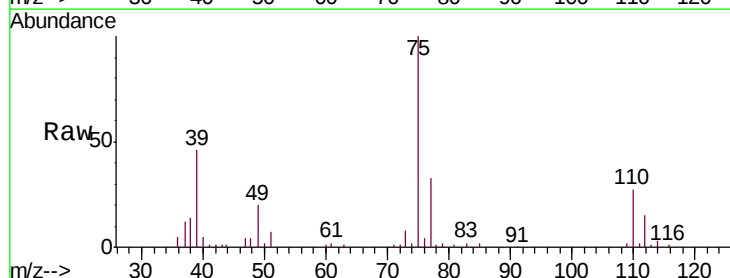
Acq: 04 Mar 2019 13:10

Tgt Ion: 75 Resp: 38608

Ion Ratio Lower Upper

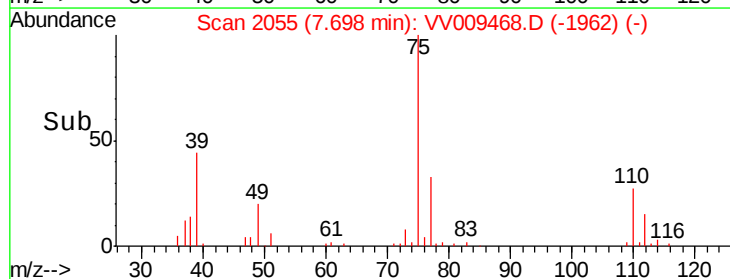
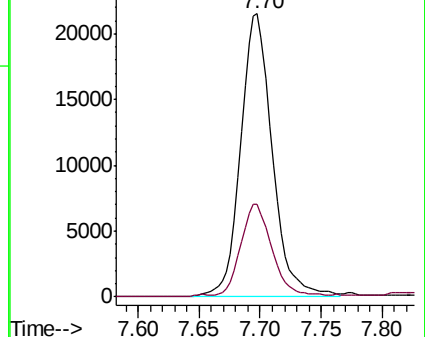
75 100

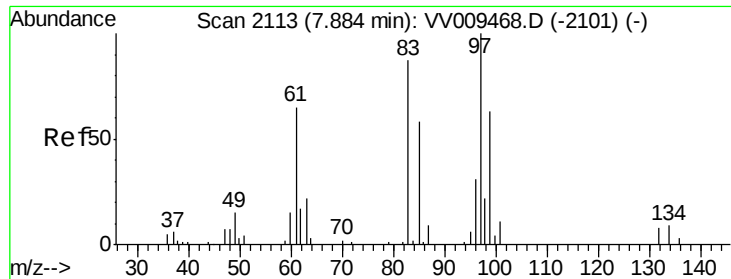
77 32.5 22.7 42.3



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

Ion 77.05 (76.75 to 77.75): VV009468.D (-2038) (-)

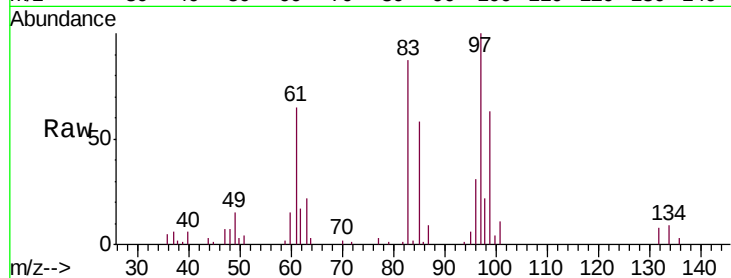




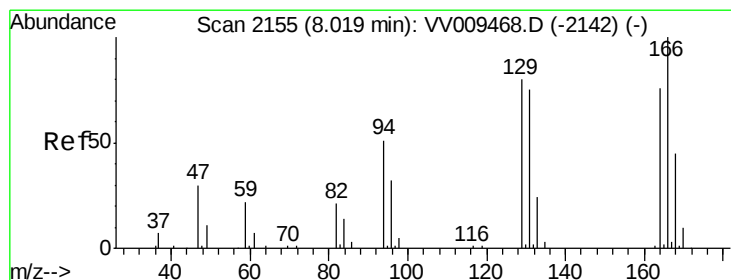
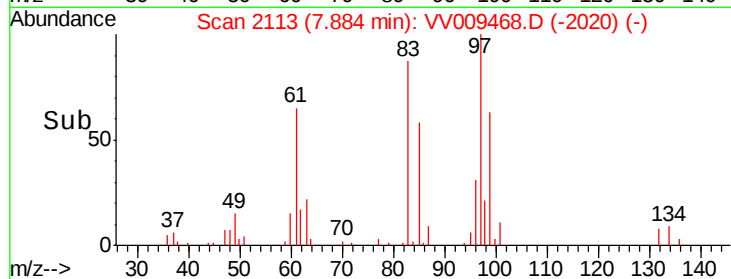
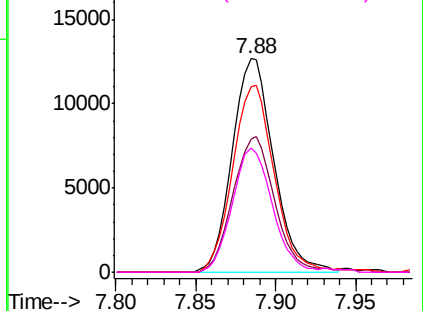
#45
 1,1,2-Trichloroethane
 Concen: 5.304 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VV009468.D
 Acq: 04 Mar 2019 13:10

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00564

Tgt Ion:	97	Resp:	22446
Ion	Ratio	Lower	Upper
97	100		
99	62.6	43.8	81.4
83	86.7	60.7	112.7
85	57.9	40.5	75.3

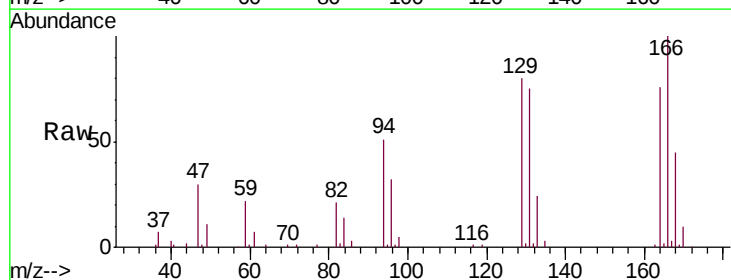


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

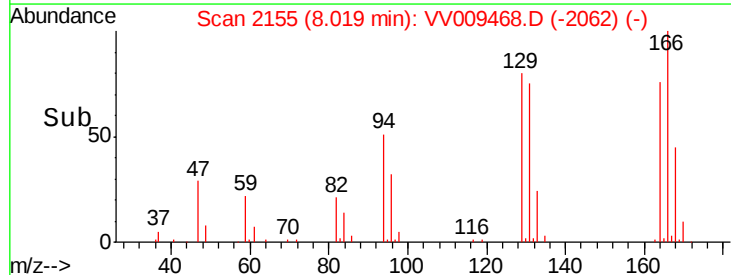
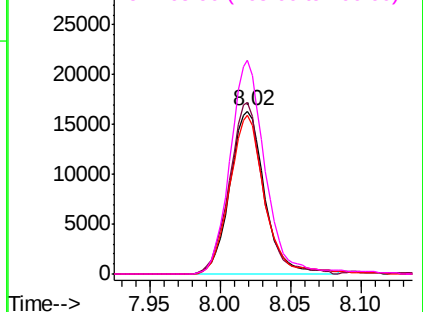


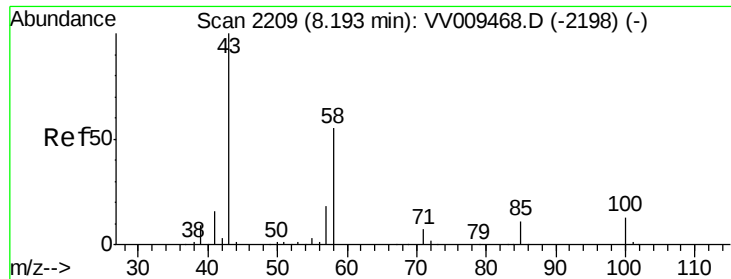
#47
 Tetrachloroethene
 Concen: 5.264 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV009468.D
 Acq: 04 Mar 2019 13:10

Tgt Ion:	164	Resp:	28193
Ion	Ratio	Lower	Upper
164	100		
129	105.2	73.6	136.8
131	97.7	68.4	127.0
166	131.1	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

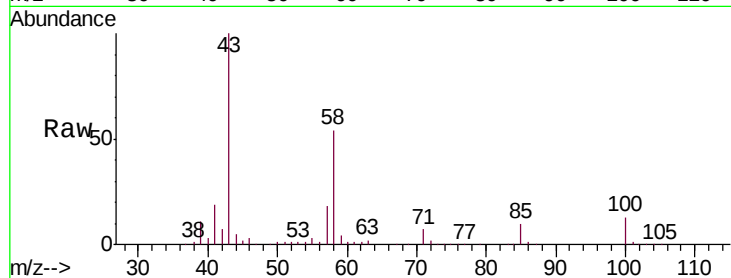




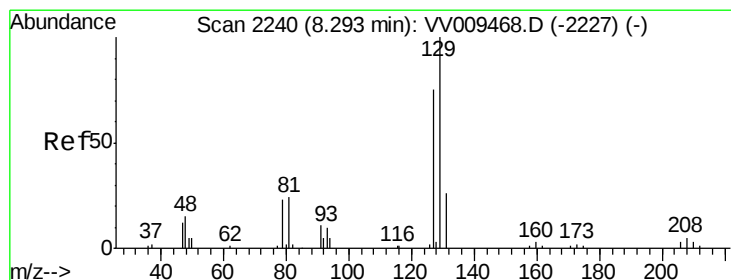
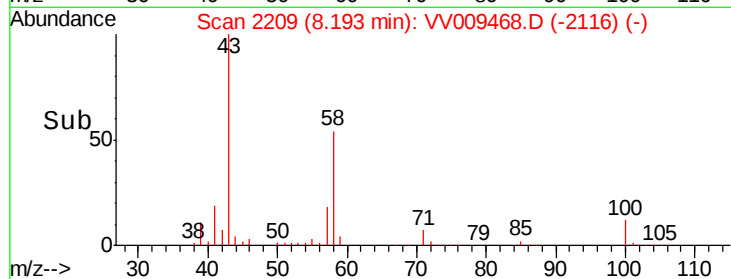
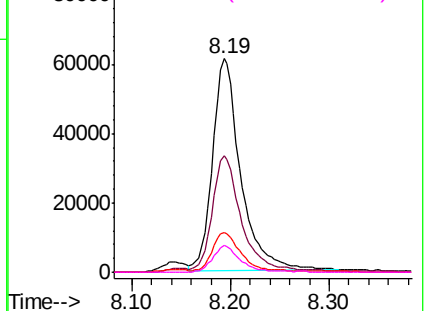
#48
2-Hexanone
Concen: 57.260 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VV009468.D
Acq: 04 Mar 2019 13:10

Instrument :
MSVOA_V
ClientSampleId :
VSTD00564

Tgt Ion:	43	Resp:	122337
Ion	Ratio	Lower	Upper
43	100		
58	54.2	43.4	65.0
57	18.7	15.0	22.4
100	12.0	9.6	14.4

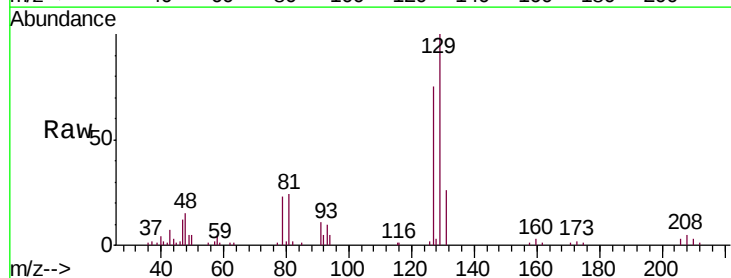


Abundance Ion 43.05 (42.75 to 43.75): VV009468.D (-2198) (-)
Ion 58.05 (57.75 to 58.75): VV009468.D (-2198) (-)
Ion 57.20 (56.90 to 57.90): VV009468.D (-2198) (-)
Ion 100.15 (99.85 to 100.85): VV009468.D (-2198) (-)

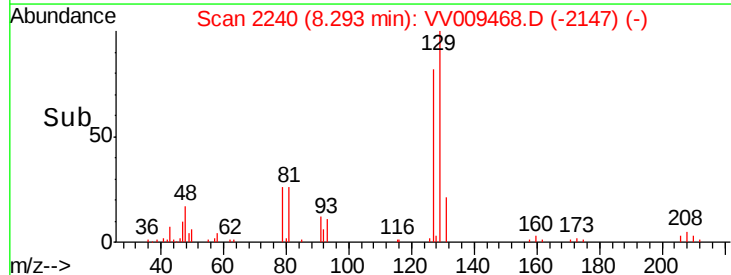
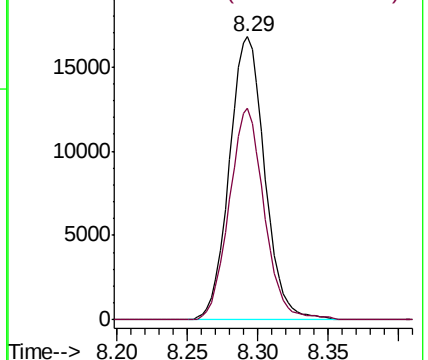


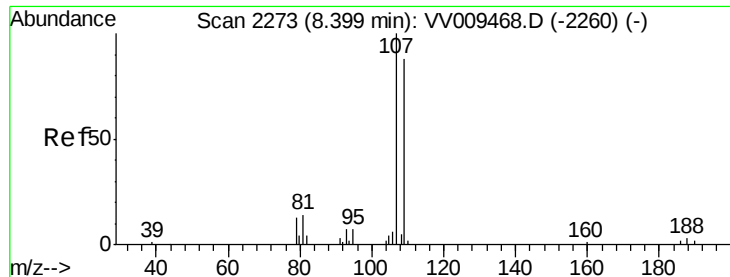
#49
Dibromochloromethane
Concen: 5.329 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VV009468.D
Acq: 04 Mar 2019 13:10

Tgt Ion:	129	Resp:	29444
Ion	Ratio	Lower	Upper
129	100		
127	74.9	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) (-)

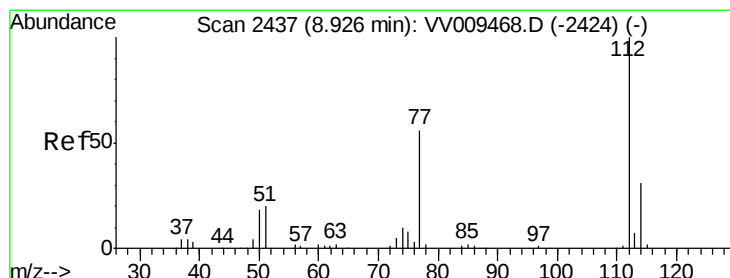
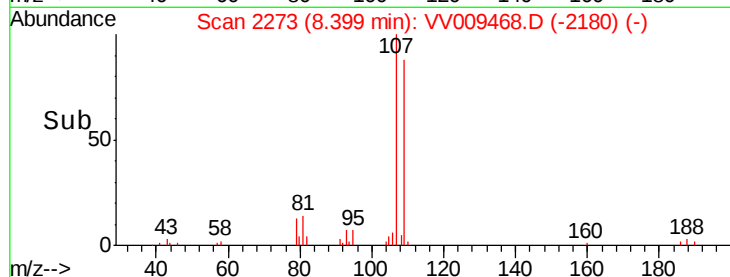
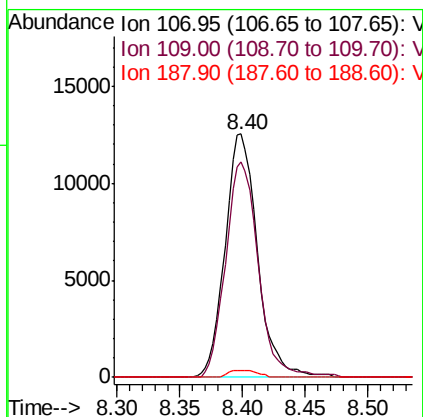
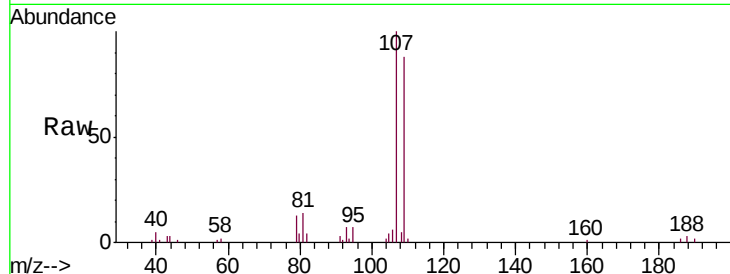




#50
1,2-Dibromoethane
Concen: 5.585 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VV009468.D
Acq: 04 Mar 2019 13:10

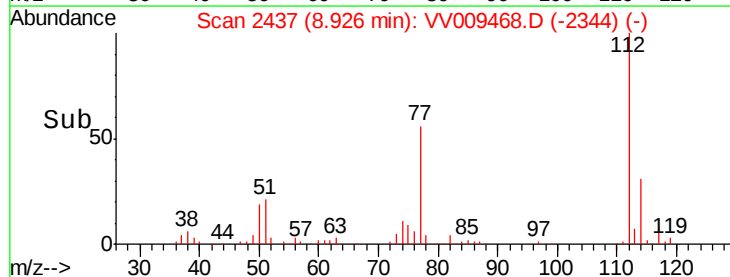
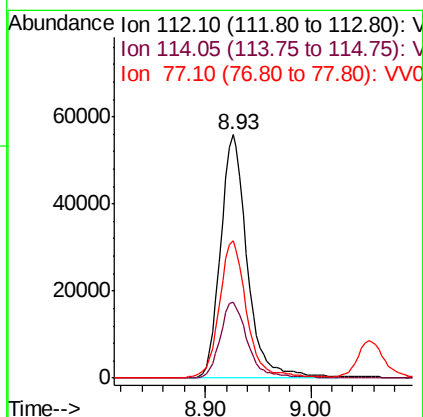
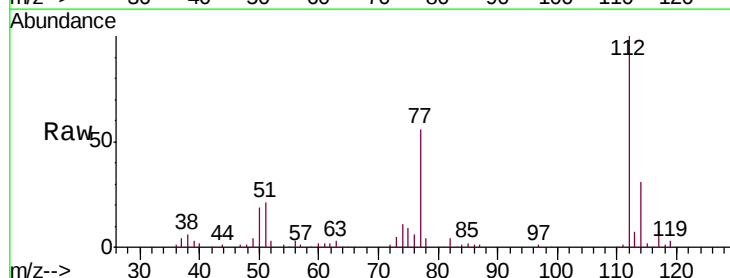
Instrument :
MSVOA_V
ClientSampleId :
VSTD00564

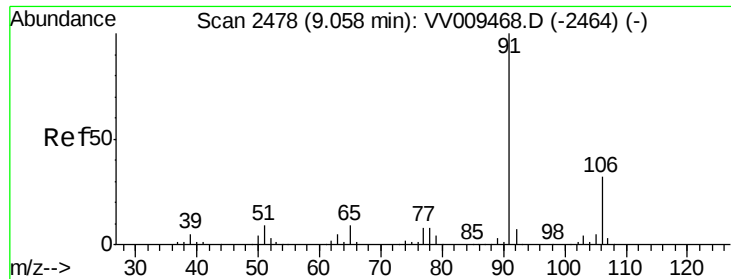
Tgt Ion:107 Resp: 22555
Ion Ratio Lower Upper
107 100
109 88.3 61.8 114.8
188 3.0 2.4 3.6



#51
Chlorobenzene
Concen: 5.455 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV009468.D
Acq: 04 Mar 2019 13:10

Tgt Ion:112 Resp: 97999
Ion Ratio Lower Upper
112 100
114 31.1 21.8 40.4
77 56.2 45.0 67.4





#52

Ethylbenzene

Concen: 5.411 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV009468.D

Acq: 04 Mar 2019 13:10

Instrument :

MSVOA_V

ClientSampleId :

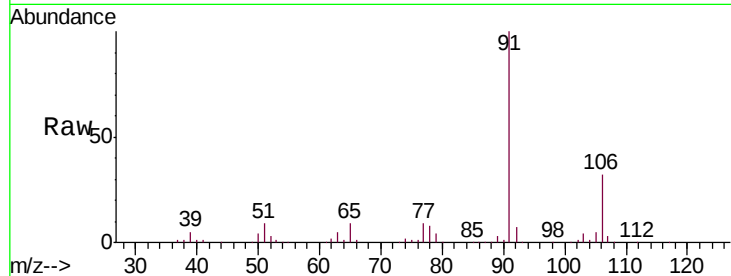
VSTD00564

Tgt Ion: 91 Resp: 169985

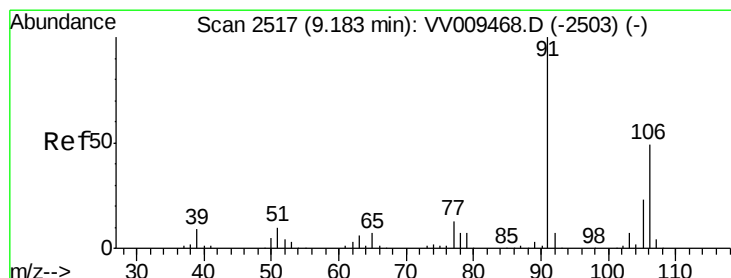
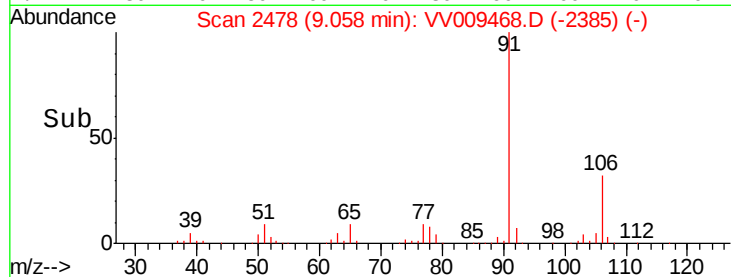
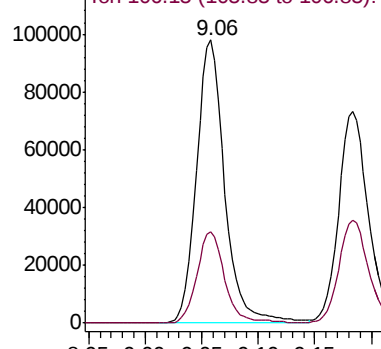
Ion Ratio Lower Upper

91 100

106 32.4 22.7 42.1



Abundance Ion 91.15 (90.85 to 91.85): VV009468.D (-2464) (-)



#53

m,p-xylene

Concen: 5.411 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV009468.D

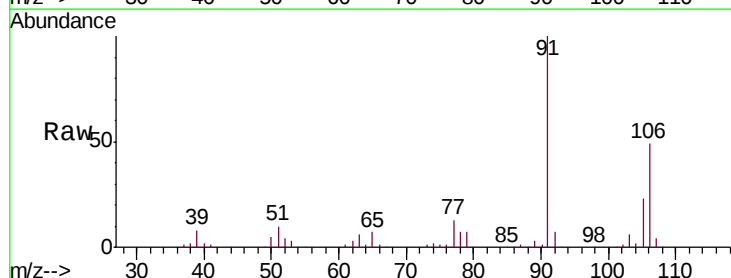
Acq: 04 Mar 2019 13:10

Tgt Ion: 106 Resp: 66410

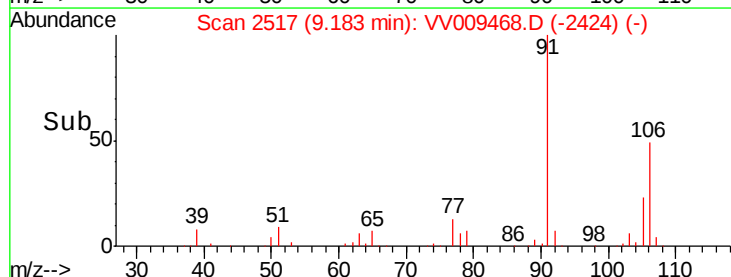
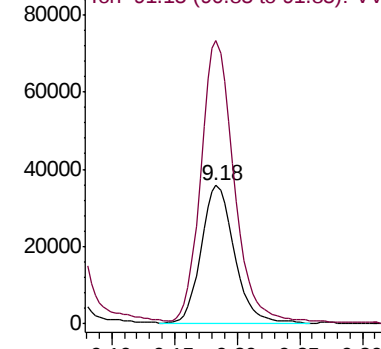
Ion Ratio Lower Upper

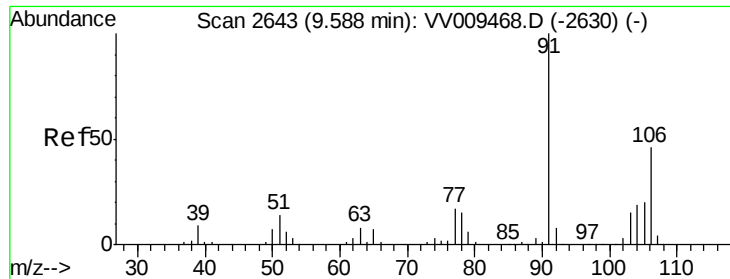
106 100

91 204.6 143.2 266.0



Abundance Ion 106.15 (105.85 to 106.85): VV009468.D (-2503) (-)

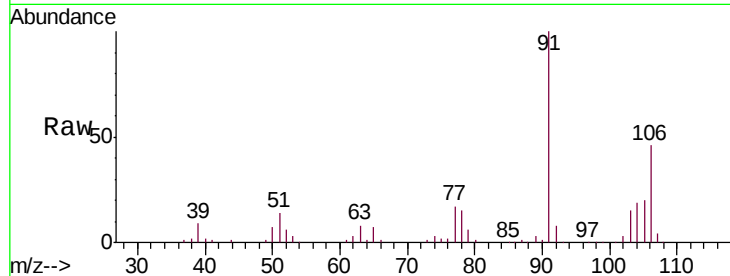




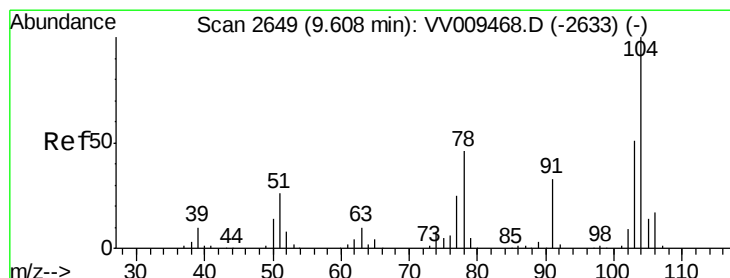
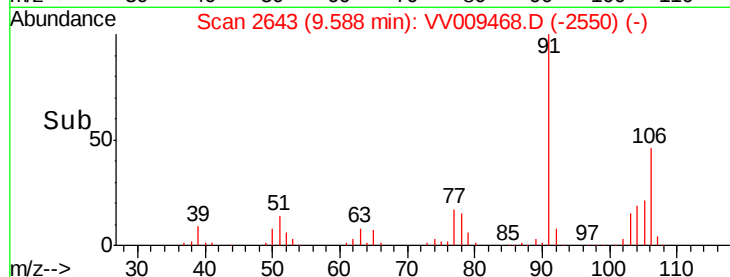
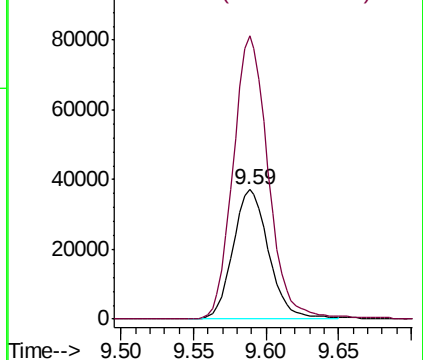
#54
o-xylene
Concen: 5.364 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV009468.D
Acq: 04 Mar 2019 13:10

Instrument :
MSVOA_V
ClientSampleId :
VSTD00564

Tgt Ion:106 Resp: 63624
Ion Ratio Lower Upper
106 100
91 218.4 152.9 283.9

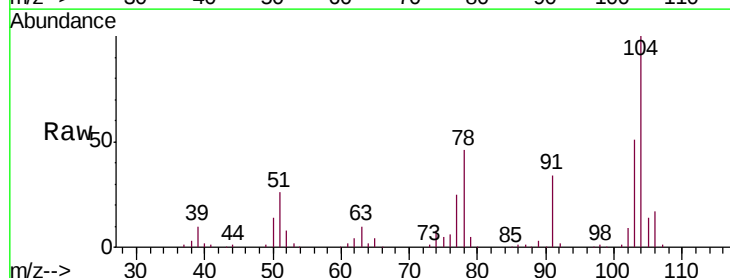


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

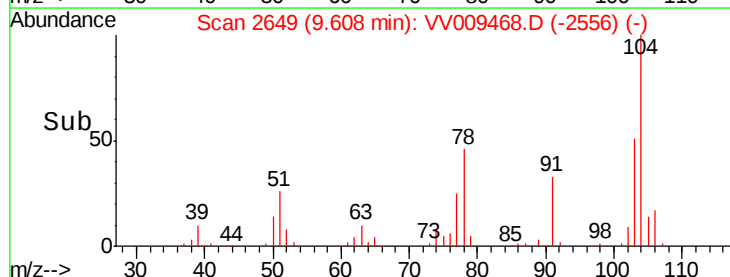
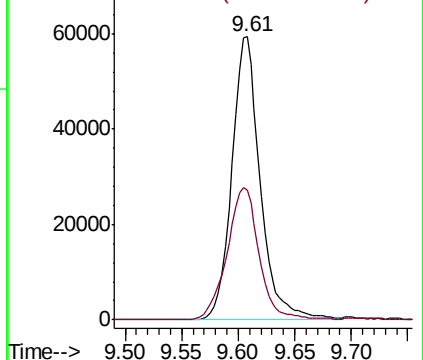


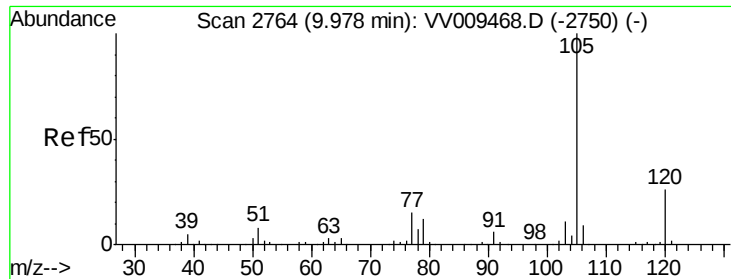
#55
Styrene
Concen: 5.370 ug/L
RT: 9.61 min Scan# 2649
Delta R.T. 0.00 min
Lab File: VV009468.D
Acq: 04 Mar 2019 13:10

Tgt Ion:104 Resp: 103699
Ion Ratio Lower Upper
104 100
78 46.0 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: 5.439 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV009468.D

Acq: 04 Mar 2019 13:10

Instrument :

MSVOA_V

ClientSampleId :

VSTD00564

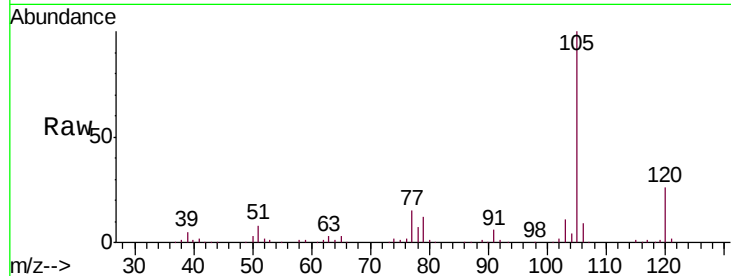
Tgt Ion: 105 Resp: 172808

Ion Ratio Lower Upper

105 100

120 26.8 21.4 32.2

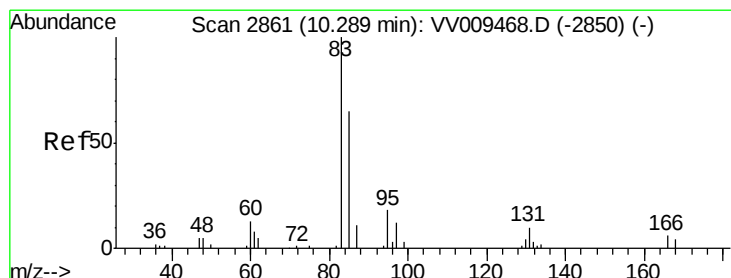
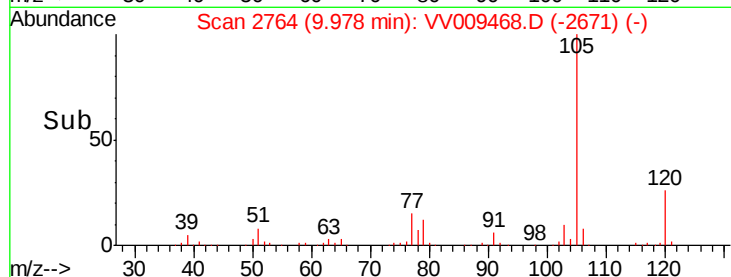
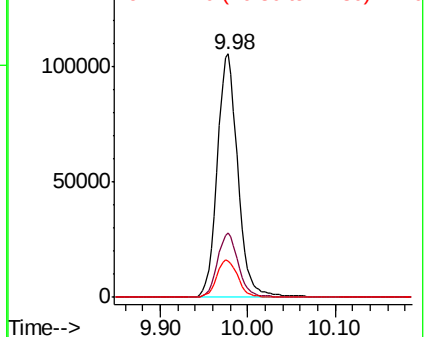
77 15.8 12.6 19.0



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: 5.372 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV009468.D

Acq: 04 Mar 2019 13:10

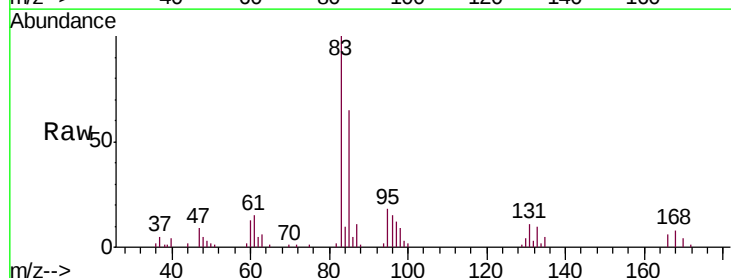
Tgt Ion: 83 Resp: 27231

Ion Ratio Lower Upper

83 100

85 65.5 45.8 85.2

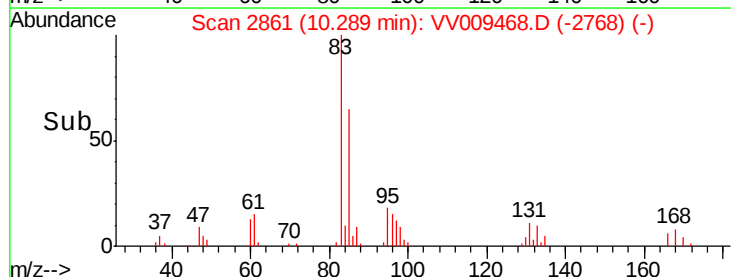
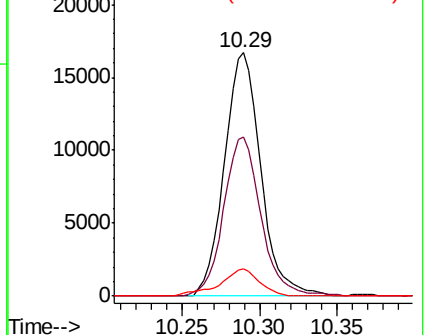
131 11.2 9.0 13.4

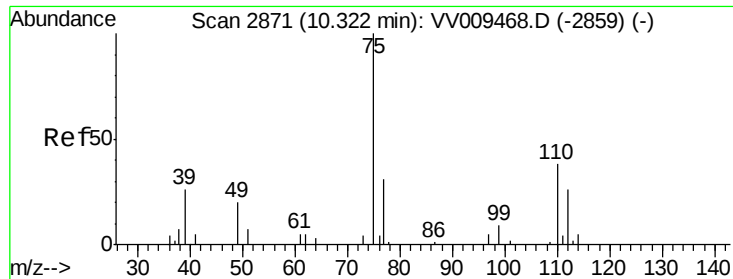


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

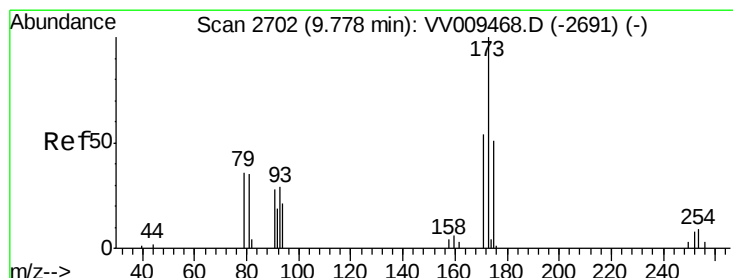
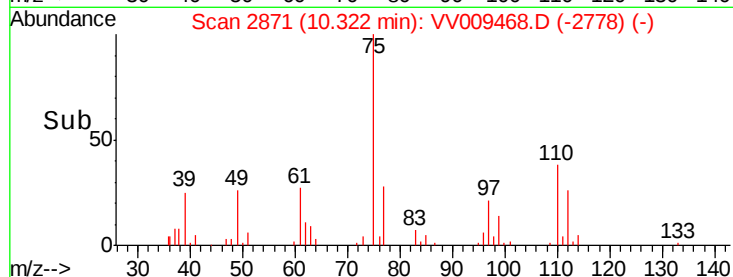
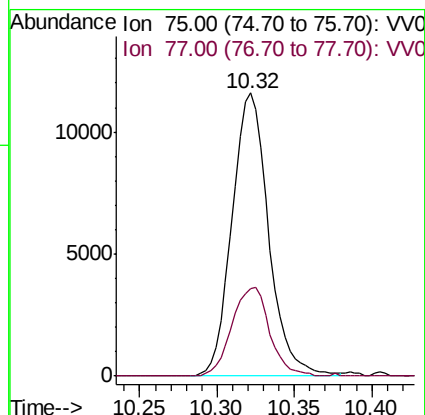
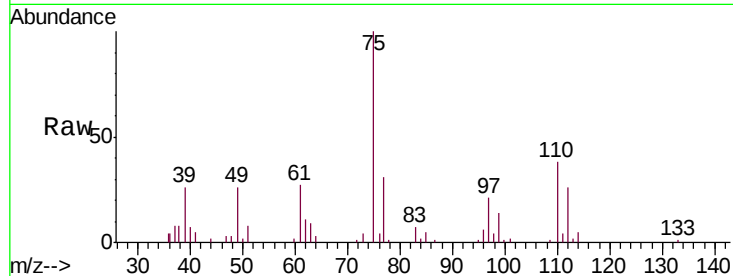




#59
 1,2,3-Trichloropropane
 Concen: 5.477 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VV009468.D
 Acq: 04 Mar 2019 13:10

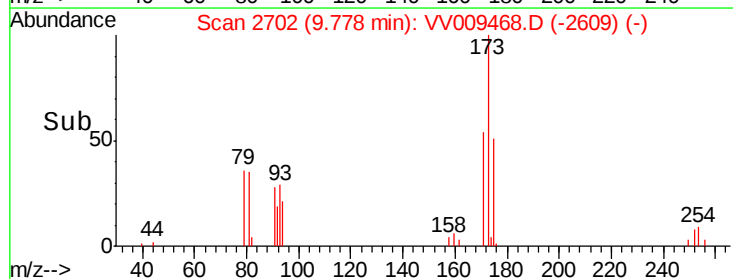
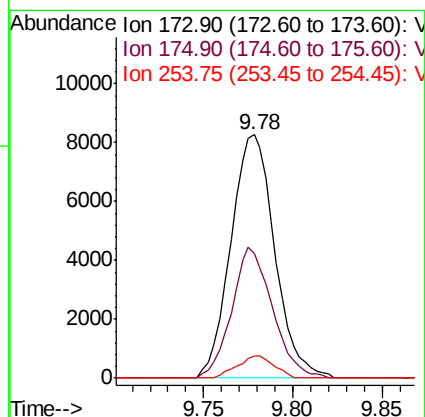
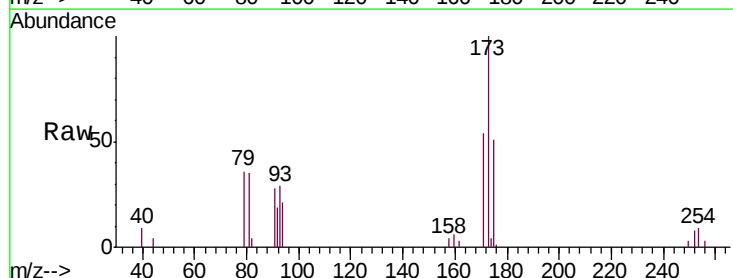
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00564

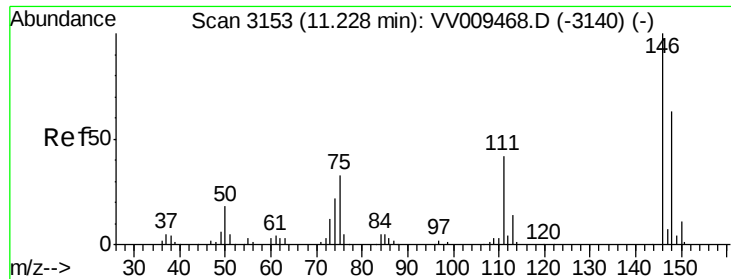
Tgt Ion: 75 Resp: 19010
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.7 38.5



#61
 Bromoform
 Concen: 5.036 ug/L
 RT: 9.78 min Scan# 2702
 Delta R.T. 0.00 min
 Lab File: VV009468.D
 Acq: 04 Mar 2019 13:10

Tgt Ion: 173 Resp: 14143
 Ion Ratio Lower Upper
 173 100
 175 50.0 40.0 60.0
 254 7.7 6.2 9.2

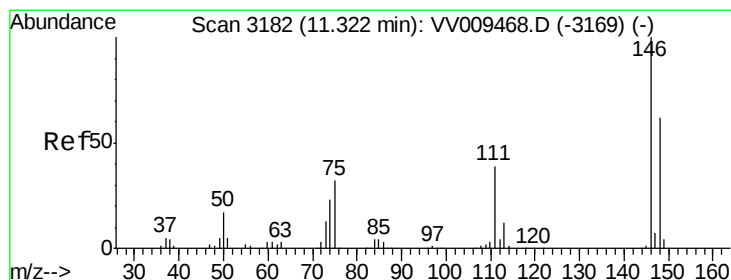
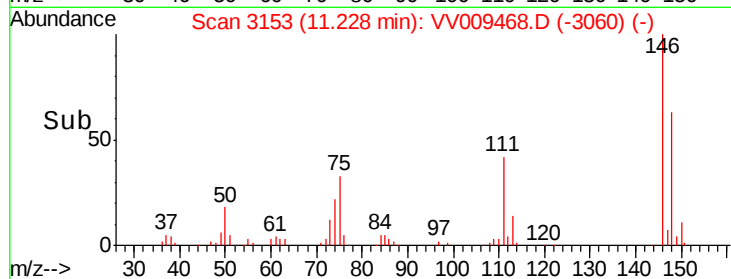
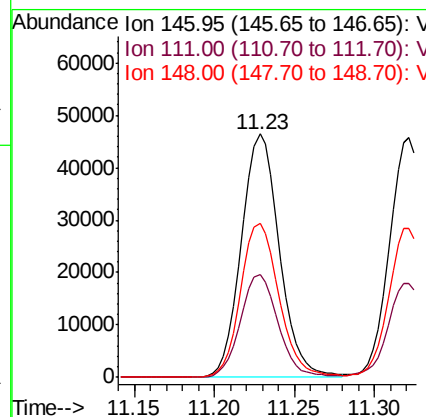
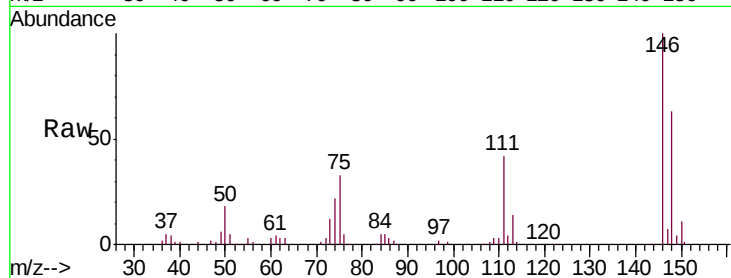




#62
 1,3-Dichlorobenzene
 Concen: 5.290 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: VV009468.D
 Acq: 04 Mar 2019 13:10

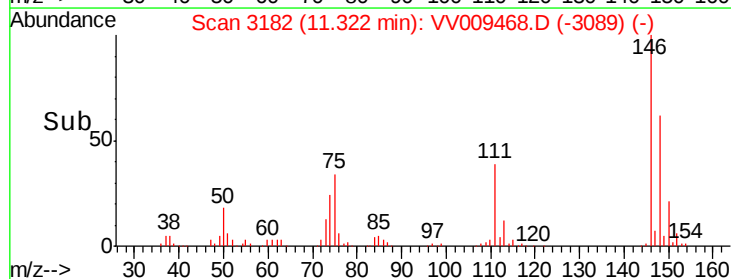
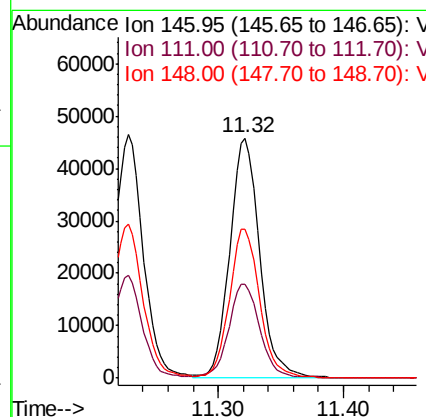
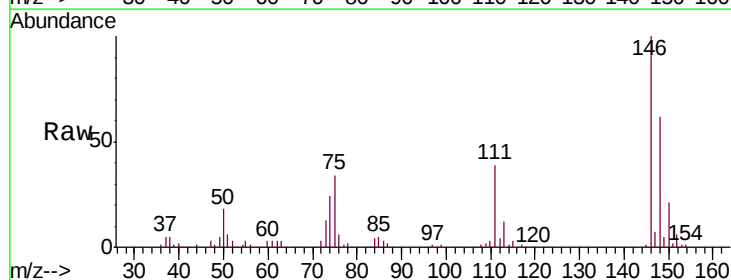
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00564

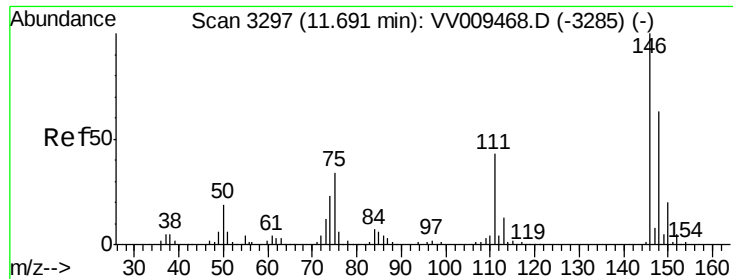
Tgt Ion:146 Resp: 75270
 Ion Ratio Lower Upper
 146 100
 111 42.4 29.7 55.1
 148 63.1 44.2 82.0



#63
 1,4-Dichlorobenzene
 Concen: 5.380 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VV009468.D
 Acq: 04 Mar 2019 13:10

Tgt Ion:146 Resp: 75471
 Ion Ratio Lower Upper
 146 100
 111 39.2 27.4 51.0
 148 62.3 43.6 81.0





#65

1,2-Dichlorobenzene

Concen: 5.367 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV009468.D

Acq: 04 Mar 2019 13:10

Instrument :

MSVOA_V

ClientSampled :

VSTD00564

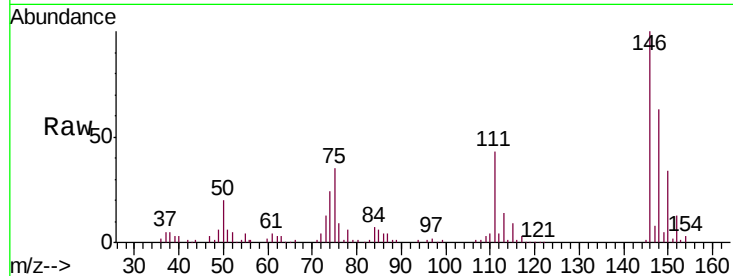
Tgt Ion:146 Resp: 69258

Ion Ratio Lower Upper

146 100

111 43.4 34.7 52.1

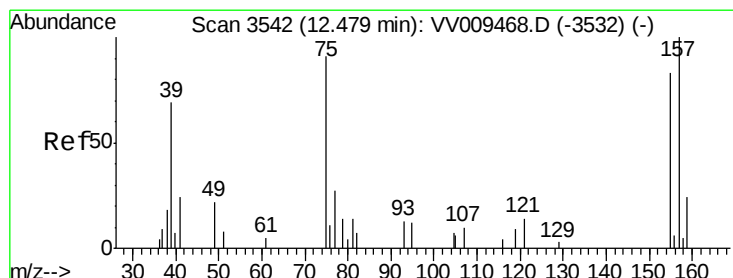
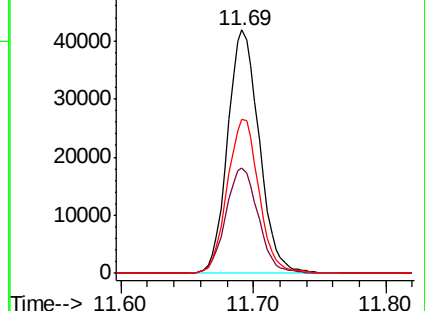
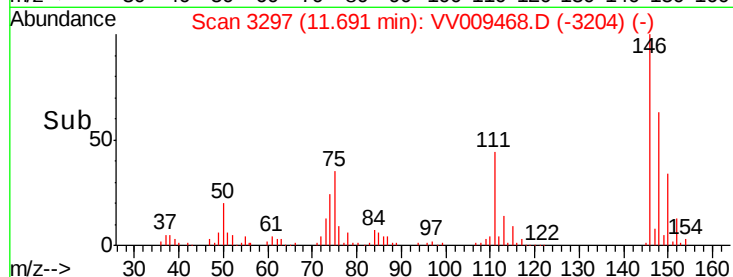
148 63.3 50.6 76.0



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: 5.634 ug/L

RT: 12.48 min Scan# 3542

Delta R.T. 0.00 min

Lab File: VV009468.D

Acq: 04 Mar 2019 13:10

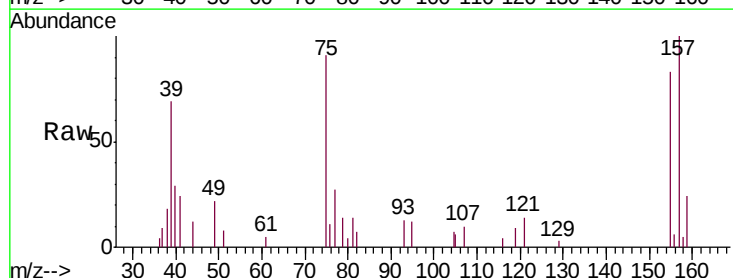
Tgt Ion: 75 Resp: 4606

Ion Ratio Lower Upper

75 100

155 91.9 73.5 110.3

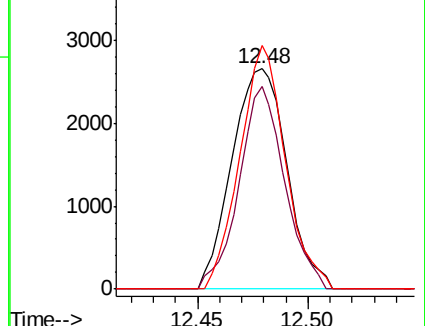
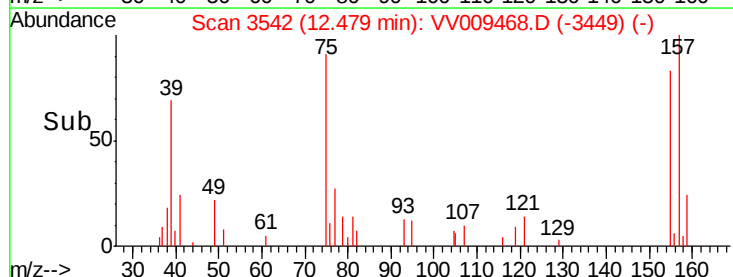
157 110.4 88.3 132.5

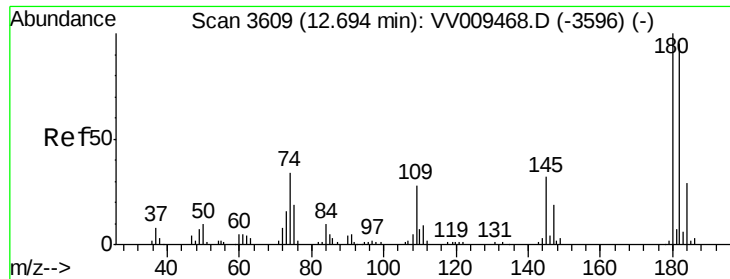


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

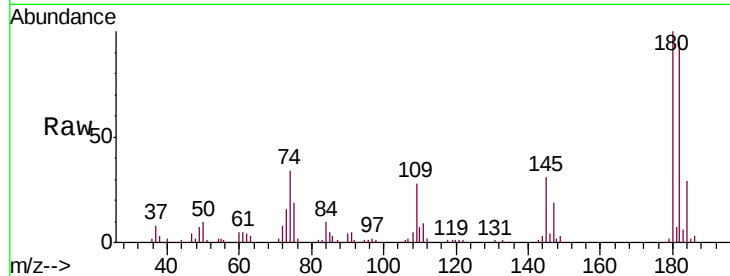




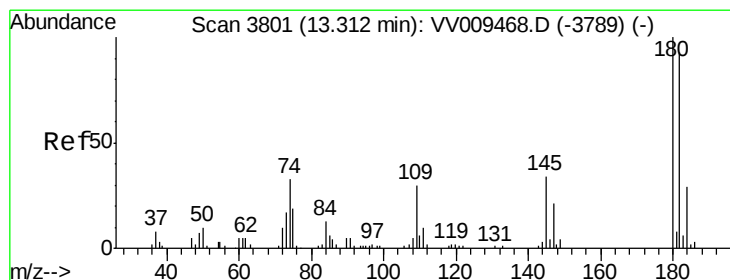
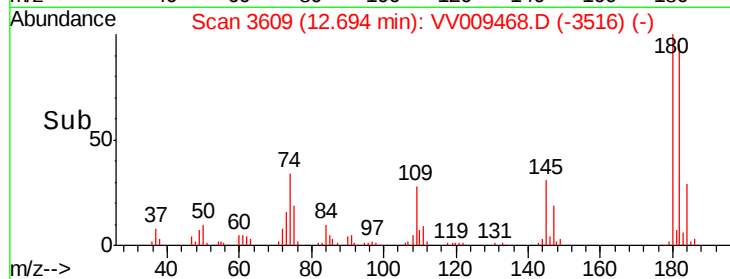
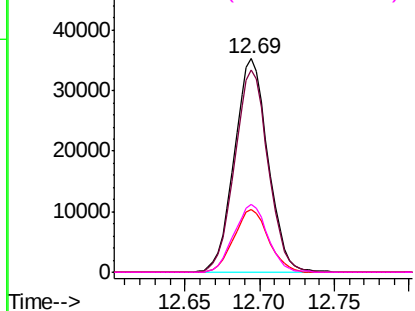
#67
 1,3,5-Trichlorobenzene
 Concen: 5.433 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV009468.D
 Acq: 04 Mar 2019 13:10

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00564

Tgt Ion:180 Resp: 55254
 Ion Ratio Lower Upper
 180 100
 182 93.8 75.0 112.6
 184 29.9 23.9 35.9
 145 31.6 25.3 37.9

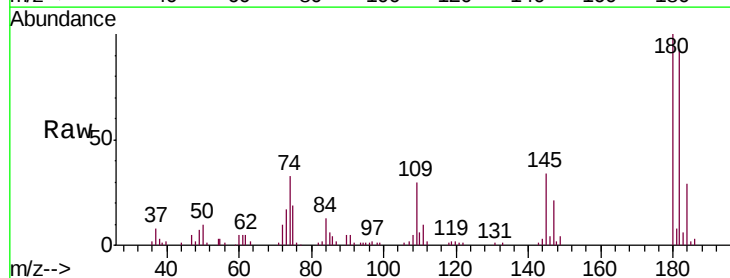


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

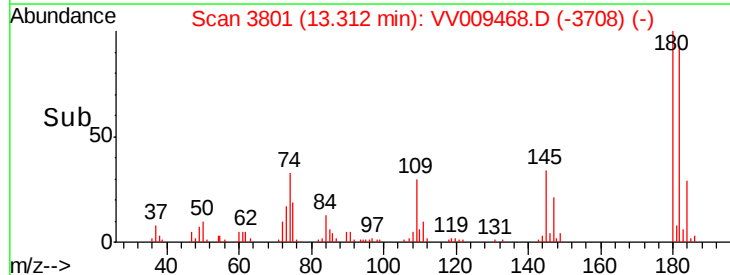
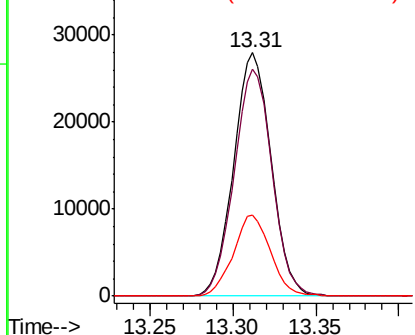


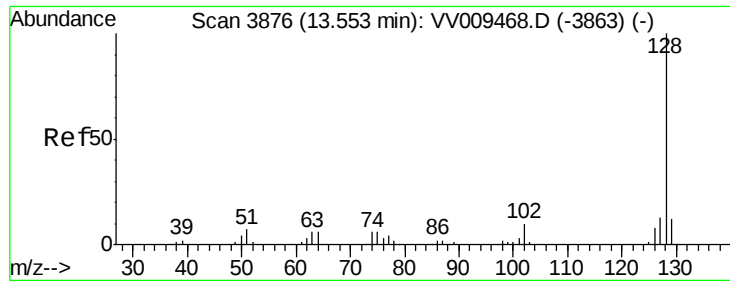
#68
 1,2,4-trichlorobenzene
 Concen: 5.683 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV009468.D
 Acq: 04 Mar 2019 13:10

Tgt Ion:180 Resp: 43986
 Ion Ratio Lower Upper
 180 100
 182 94.0 75.2 112.8
 145 33.2 26.6 39.8



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 5.533 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV009468.D

Acq: 04 Mar 2019 13:10

Instrument :

MSVOA_V

ClientSampleId :

VSTD00564

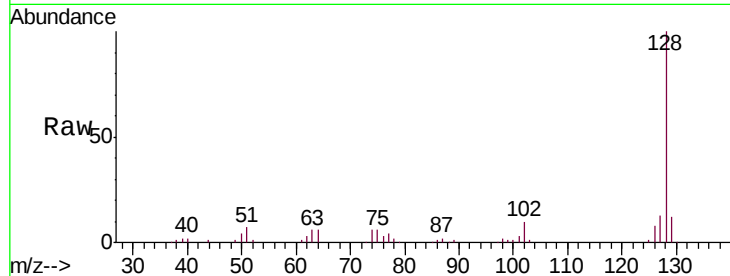
Tgt Ion:128 Resp: 71736

Ion Ratio Lower Upper

128 100

129 11.1 8.9 13.3

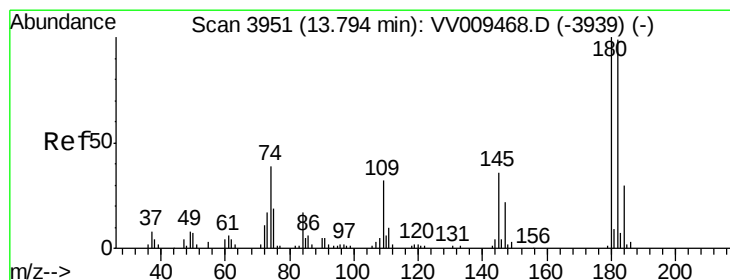
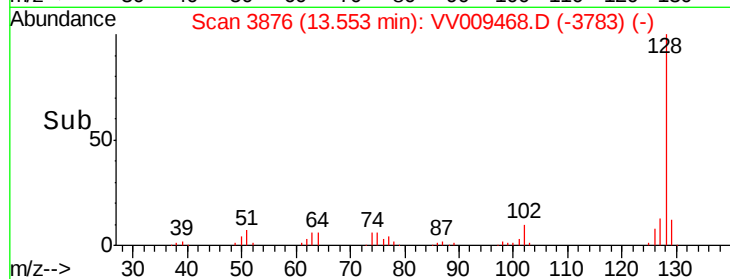
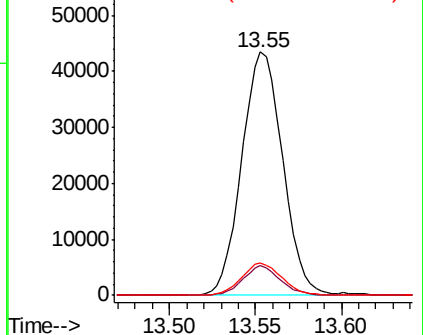
127 13.0 10.4 15.6



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: 5.650 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV009468.D

Acq: 04 Mar 2019 13:10

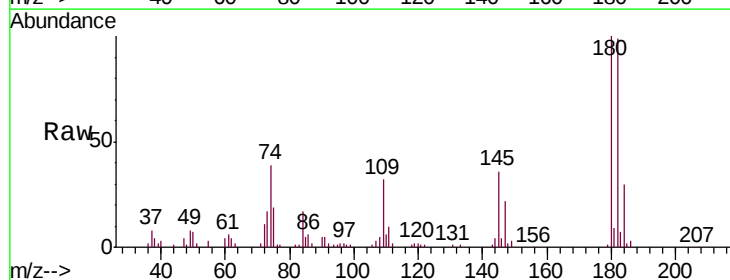
Tgt Ion:180 Resp: 40057

Ion Ratio Lower Upper

180 100

182 96.0 76.8 115.2

145 35.2 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

