

Data File : VV008689.D
Acq On : 21 Nov 2018 09:56
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00576

Quant Time: Nov 22 00:34:45 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 20 06:56:52 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	168067	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	151387	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	70396	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	41515	5.56	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	111.20%
7) Chloroethane-d5	1.59	69	31776	5.17	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.40%
11) 1,1-Dichloroethene-d2	2.14	63	80838	5.34	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	106.80%
20) 2-Butanone-d5	3.96	46	119974	44.91	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	89.82%
24) Chloroform-d	4.40	84	98972	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.00%
26) 1,2-Dichloroethane-d4	5.09	65	48687	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.80%
32) Benzene-d6	5.10	84	200542	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.60%
36) 1,2-Dichloropropane-d6	6.12	67	59961	4.71	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.20%
41) Toluene-d8	7.36	98	187000	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.80%
43) trans-1,3-Dichloropropene-	7.67	79	20969	4.32	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.40%
46) 2-Hexanone-d5	8.14	63	86493	39.31	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	78.62%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	40318	4.53	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	59844	4.71	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	70593	5.095 ug/L	100
3) Chloromethane	1.25	50	58744	5.073 ug/L	98
5) Vinyl chloride	1.33	62	58533	5.507 ug/L	100
6) Bromomethane	1.54	94	33666	5.078 ug/L	96
8) Chloroethane	1.60	64	33351	5.355 ug/L	100
9) Trichlorofluoromethane	1.78	101	80549	5.498 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.15	101	48264	5.646 ug/L	97
12) 1,1-Dichloroethene	2.15	96	41892	5.377 ug/L	96
13) Acetone	2.22	43	77674	55.757 ug/L	97
14) Carbon disulfide	2.32	76	119468	4.912 ug/L	99
15) Methyl Acetate	2.47	43	17968	5.155 ug/L	99
16) Methylene chloride	2.54	84	45102	4.754 ug/L	99
17) Methyl tert-butyl Ether	2.81	73	105067	5.067 ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	46680	5.519 ug/L	98
19) 1,1-Dichloroethane	3.23	63	110086	5.143 ug/L	97
21) 2-Butanone	4.05	43	151888	48.697 ug/L	98
22) cis-1,2-Dichloroethene	3.97	96	63602	4.982 ug/L	100

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 20 06:56:52 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.31	128	25251	5.140	ug/L	95
25) Chloroform	4.43	83	112622	4.165	ug/L	97
27) 1,2-Dichloroethane	5.18	62	68099	5.048	ug/L	100
29) 1,1,1-Trichloroethane	4.66	97	92556	4.843	ug/L	99
30) Cyclohexane	4.73	56	100825	4.743	ug/L	96
31) Carbon tetrachloride	4.88	117	77421	4.763	ug/L	99
33) Benzene	5.15	78	241324	5.028	ug/L	100
34) Trichloroethene	5.96	95	64027	5.047	ug/L	99
35) Methylcyclohexane	6.18	83	107063	4.984	ug/L	99
37) 1,2-Dichloropropane	6.22	63	61029	4.838	ug/L	98
38) Bromodichloromethane	6.56	83	66705	4.334	ug/L	95
39) cis-1,3-Dichloropropene	7.07	75	79492	4.687	ug/L	97
40) 4-Methyl-2-pentanone	7.28	43	345604	46.803	ug/L	99
42) Toluene	7.43	91	254750	5.093	ug/L	96
44) trans-1,3-Dichloropropene	7.70	75	60702	4.394	ug/L	98
45) 1,1,2-Trichloroethane	7.89	97	39623	4.935	ug/L	96
47) Tetrachloroethene	8.02	164	46845	5.103	ug/L	95
48) 2-Hexanone	8.19	43	242833	48.724	ug/L	98
49) Dibromochloromethane	8.29	129	41060	4.497	ug/L	99
50) 1,2-Dibromoethane	8.40	107	35500	4.893	ug/L	93
51) Chlorobenzene	8.93	112	155861	5.051	ug/L	98
52) Ethylbenzene	9.06	91	275746	5.009	ug/L	100
53) m,p-xylene	9.18	106	102241	5.023	ug/L	100
54) o-xylene	9.59	106	99226	5.010	ug/L	97
55) Styrene	9.60	104	163090	5.101	ug/L	98
56) Isopropylbenzene	9.98	105	268648	5.052	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	45121	4.762	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	34559	4.830	ug/L	100
61) Bromoform	9.78	173	18818	4.160	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	117341	5.116	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	113302	5.013	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	108919	4.989	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	6341	4.538	ug/L #	85
67) 1,3,5-Trichlorobenzene	12.69	180	86077	5.183	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	64318	4.806	ug/L	99
69) Naphthalene	13.56	128	92869	4.271	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	61193	4.956	ug/L	100

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

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```
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Instrument :
MSVOA_V
ClientSampleId :
VSTD00576

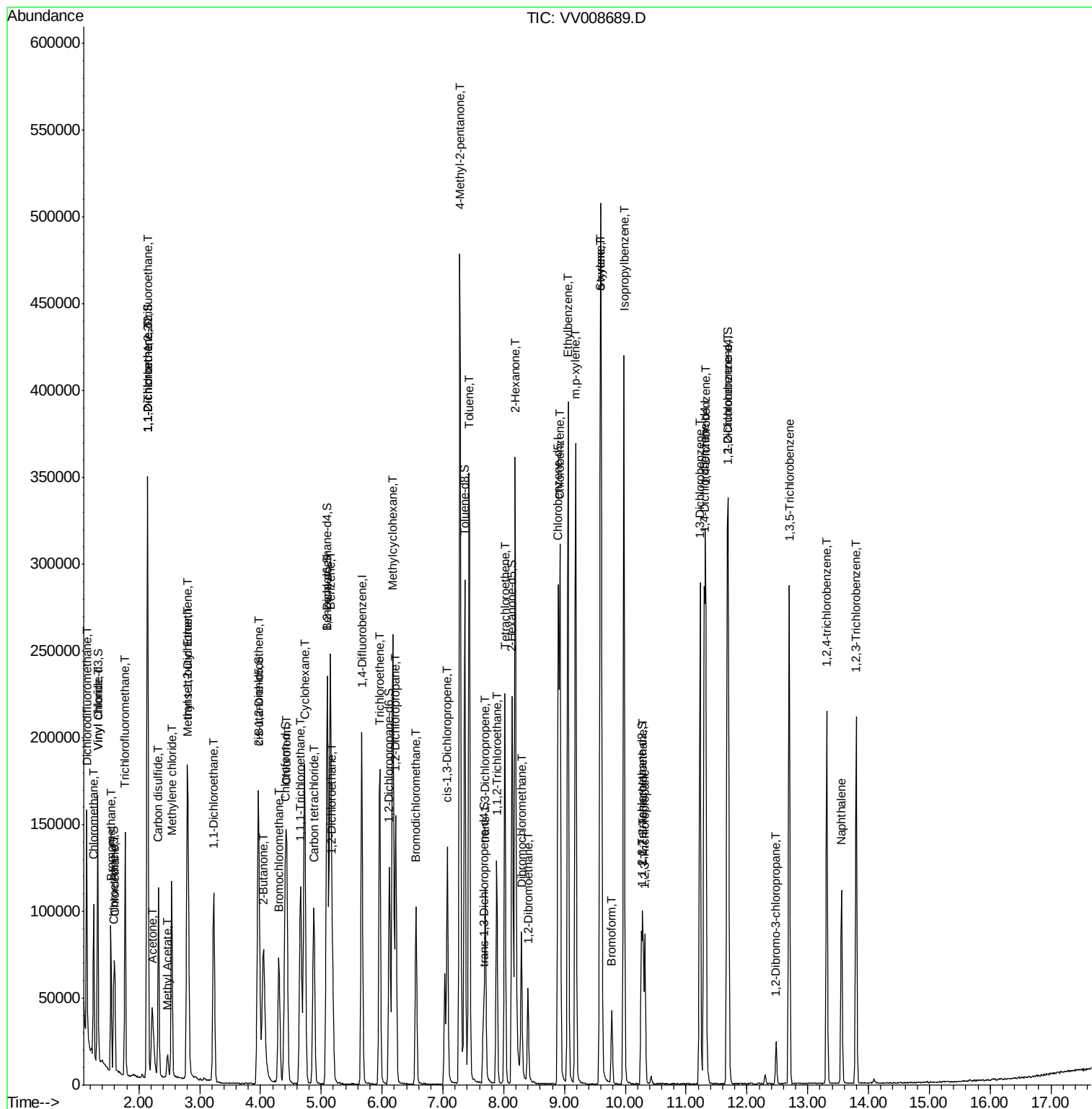
Quant Time: Nov 22 00:34:45 2018

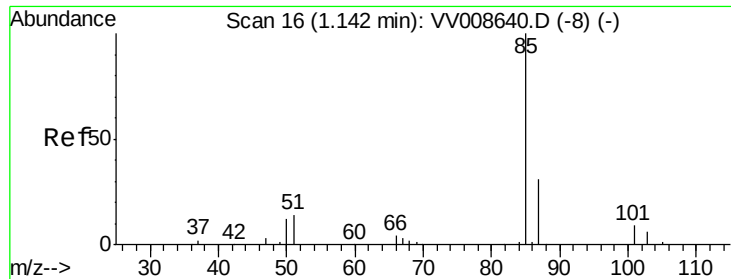
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVTR111718WMA.M

Quant Title : TRACE VOA SOM01.0

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 5.095 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV008689.D

Acq: 21 Nov 2018 09:56

Instrument :

MSVOA_V

ClientSampleId :

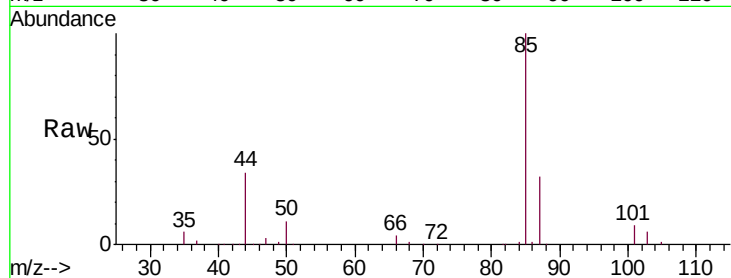
VSTD00576

Tgt Ion: 85 Resp: 70593

Ion Ratio Lower Upper

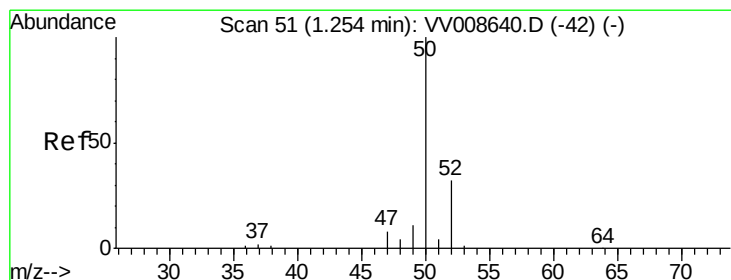
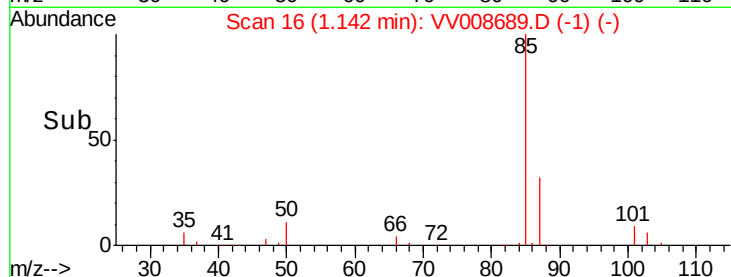
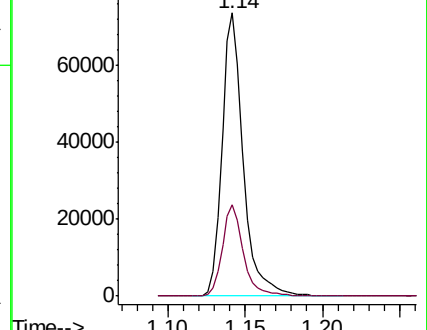
85 100

87 31.9 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV008640.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV008640.D (-8) (-)



#3

Chloromethane

Concen: 5.073 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV008689.D

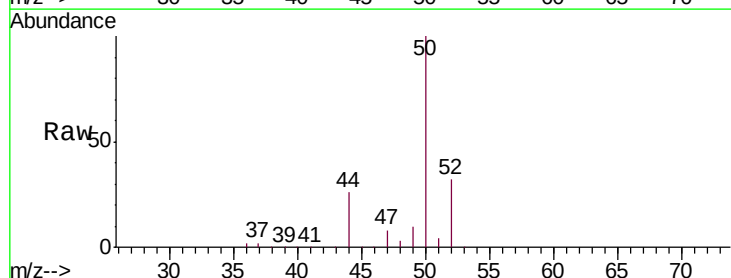
Acq: 21 Nov 2018 09:56

Tgt Ion: 50 Resp: 58744

Ion Ratio Lower Upper

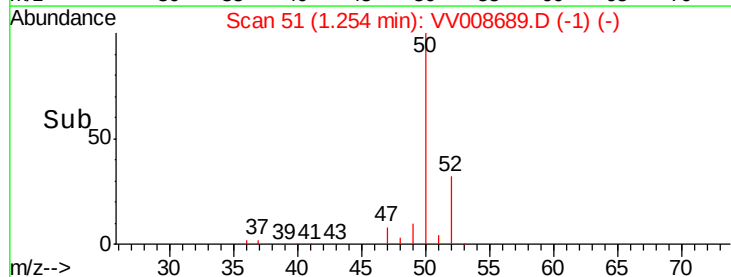
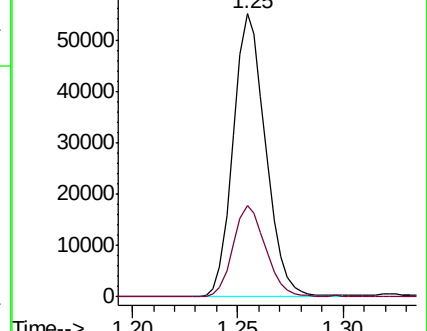
50 100

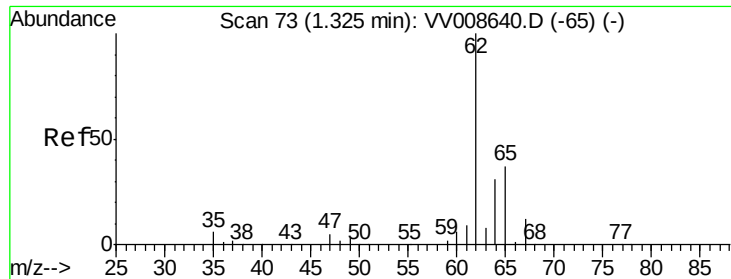
52 32.3 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VV008640.D (-42) (-)

Ion 52.05 (51.75 to 52.75): VV008640.D (-42) (-)





#5

Vinyl chloride

Concen: 5.507 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV008689.D

Acq: 21 Nov 2018 09:56

Instrument :

MSVOA_V

ClientSampleId :

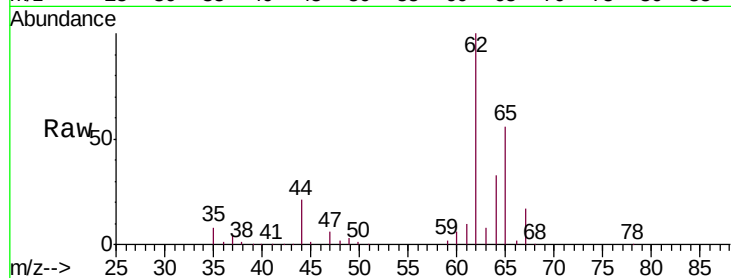
VSTD00576

Tgt Ion: 62 Resp: 58533

Ion Ratio Lower Upper

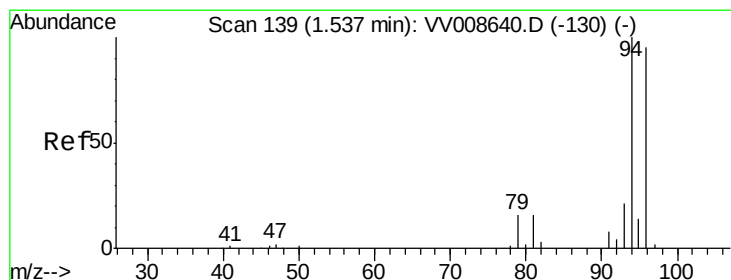
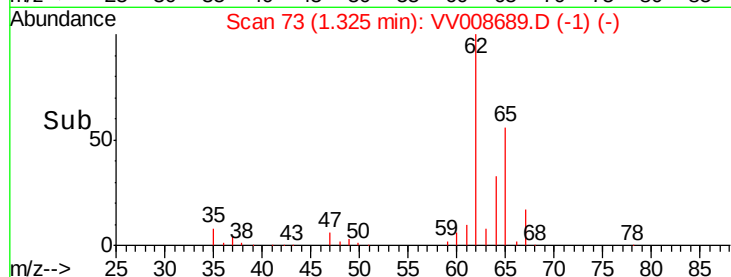
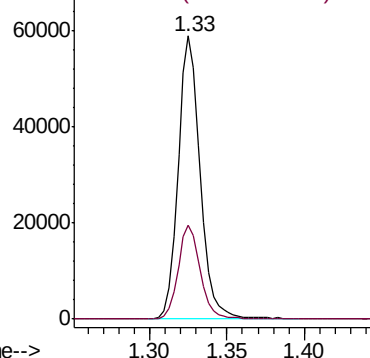
62 100

64 33.4 23.4 43.4



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 5.078 ug/L

RT: 1.54 min Scan# 140

Delta R.T. 0.00 min

Lab File: VV008689.D

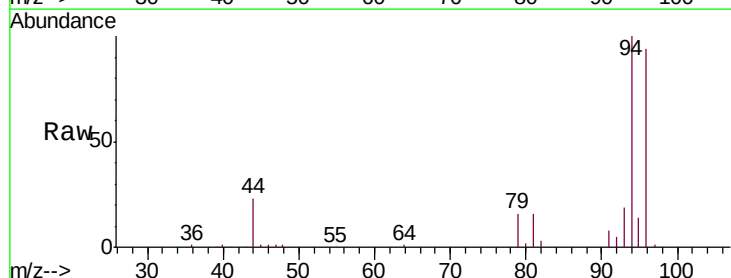
Acq: 21 Nov 2018 09:56

Tgt Ion: 94 Resp: 33666

Ion Ratio Lower Upper

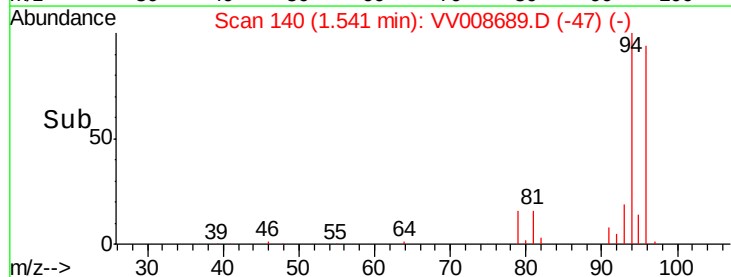
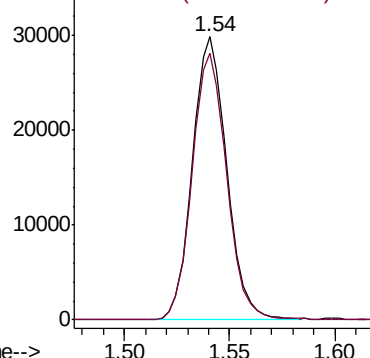
94 100

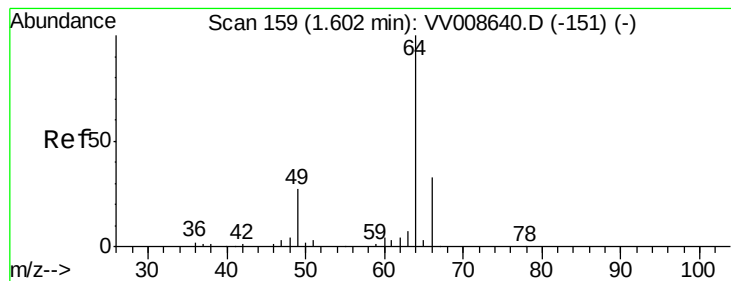
96 94.2 63.2 117.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 5.355 ug/L

RT: 1.60 min Scan# 160

Delta R.T. 0.00 min

Lab File: VV008689.D

Acq: 21 Nov 2018 09:56

Instrument :

MSVOA_V

ClientSampleId :

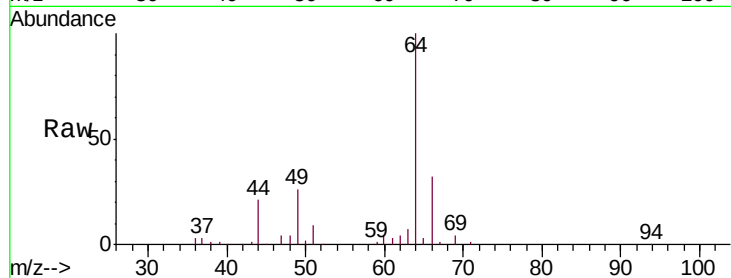
VSTD00576

Tgt Ion: 64 Resp: 33351

Ion Ratio Lower Upper

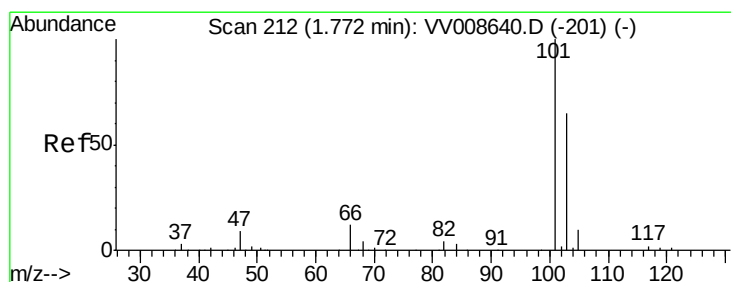
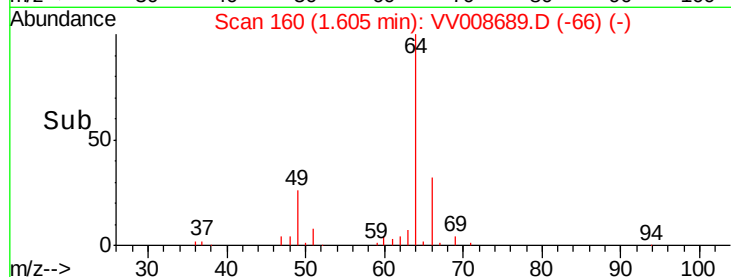
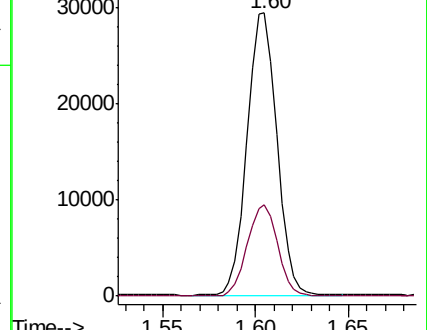
64 100

66 32.5 22.7 42.3



Abundance Ion 64.10 (63.80 to 64.80): VV008640.D (-151) (-)

Ion 66.05 (65.75 to 66.75): VV008689.D (-66) (-)



#9

Trichlorofluoromethane

Concen: 5.498 ug/L

RT: 1.78 min Scan# 213

Delta R.T. 0.00 min

Lab File: VV008689.D

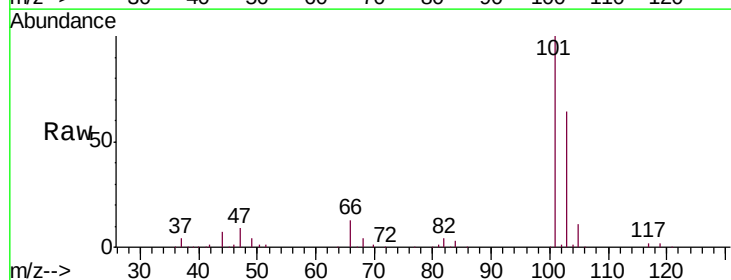
Acq: 21 Nov 2018 09:56

Tgt Ion: 101 Resp: 80549

Ion Ratio Lower Upper

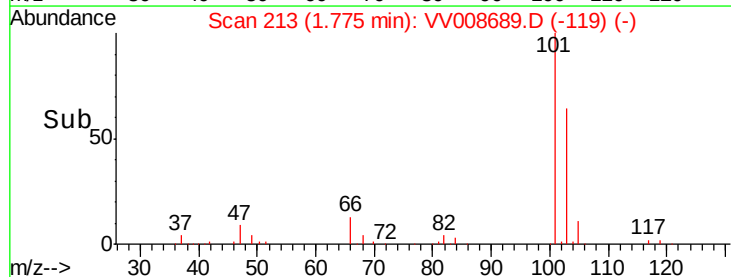
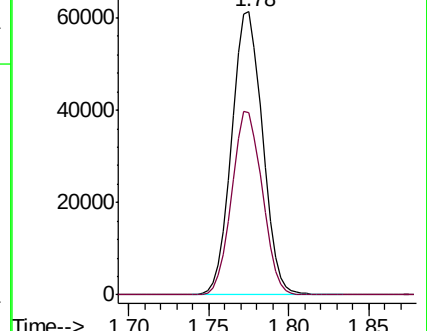
101 100

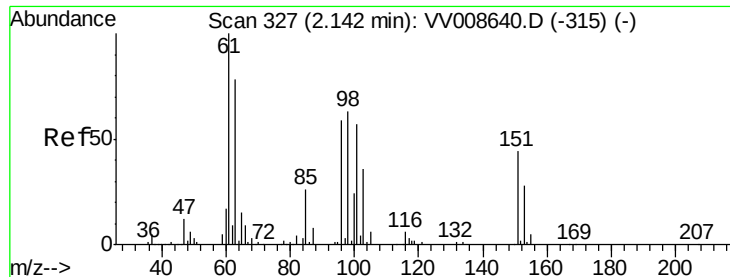
103 64.1 51.1 76.7



Abundance Ion 101.00 (100.70 to 101.70): VV008640.D (-201) (-)

Ion 103.00 (102.70 to 103.70): VV008689.D (-119) (-)





#10

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

Concen: 5.646 ug/L

RT: 2.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV008689.D

Acq: 21 Nov 2018 09:56

Instrument :

MSVOA_V

ClientSampleId :

VSTD00576

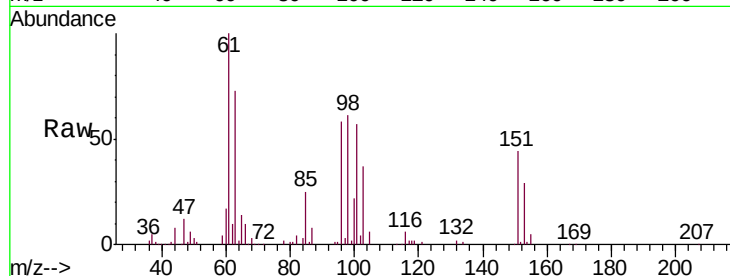
Tgt Ion: 101 Resp: 48264

Ion Ratio Lower Upper

101 100

85 43.1 35.4 53.0

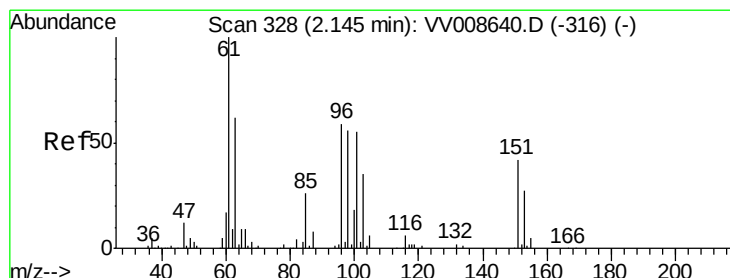
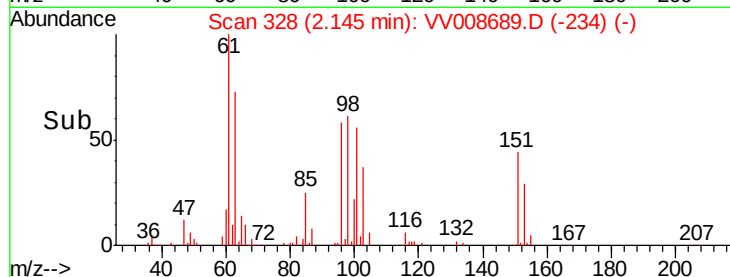
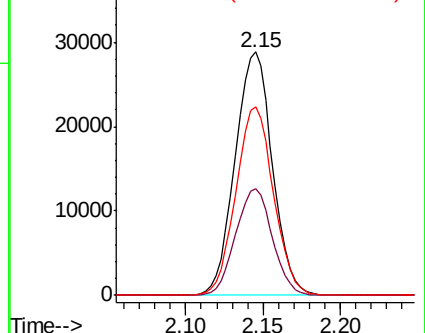
151 78.1 59.4 89.2



Abundance Ion 101.00 (100.70 to 101.70): VV008640.D (-315) (-)

Ion 85.00 (84.70 to 85.70): VV008640.D (-315) (-)

Ion 151.00 (150.70 to 151.70): VV008640.D (-315) (-)



#12

1,1-Dichloroethene

Concen: 5.377 ug/L

RT: 2.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV008689.D

Acq: 21 Nov 2018 09:56

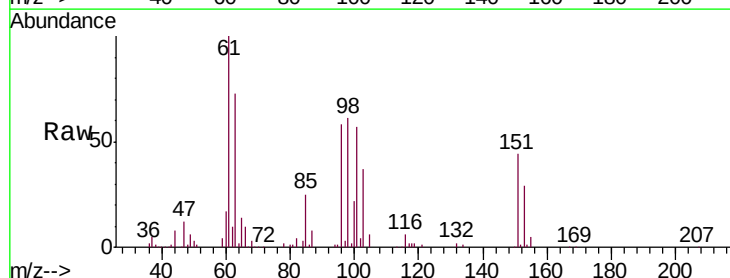
Tgt Ion: 96 Resp: 41892

Ion Ratio Lower Upper

96 100

61 173.1 120.3 223.5

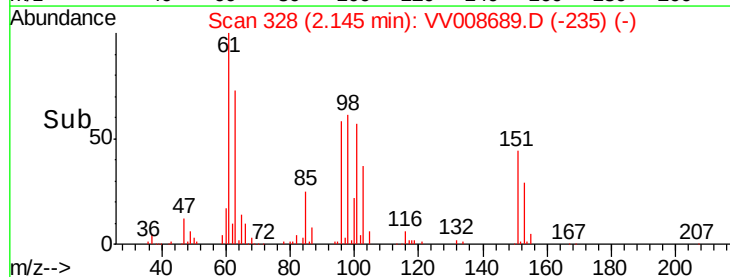
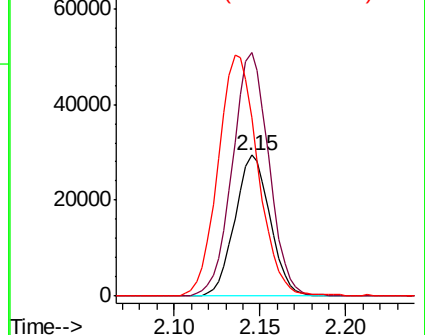
63 127.0 82.5 153.3

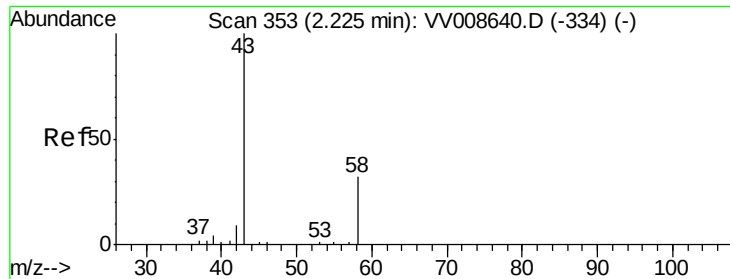


Abundance Ion 96.00 (95.70 to 96.70): VV008640.D (-316) (-)

Ion 61.05 (60.75 to 61.75): VV008640.D (-316) (-)

Ion 63.00 (62.70 to 63.70): VV008640.D (-316) (-)





#13

Acetone

Concen: 55.757 ug/L

RT: 2.22 min Scan# 351

Delta R.T. -0.00 min

Lab File: VV008689.D

Acq: 21 Nov 2018 09:56

Instrument :

MSVOA_V

ClientSampled :

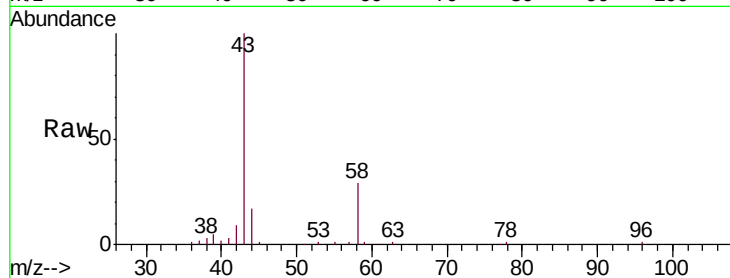
VSTD00576

Tgt Ion: 43 Resp: 77674

Ion Ratio Lower Upper

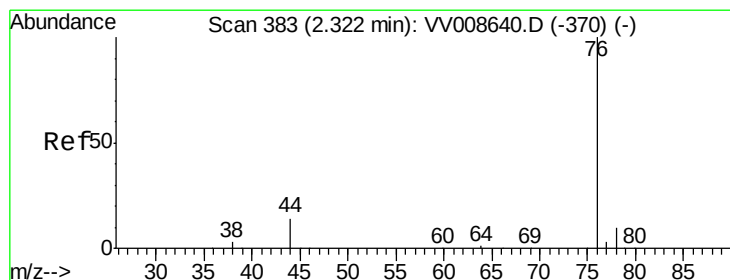
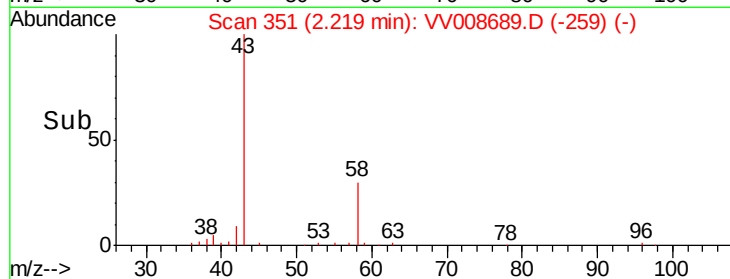
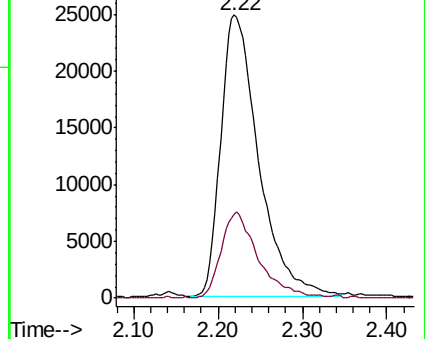
43 100

58 30.0 0.0 56.4



Abundance Ion 43.05 (42.75 to 43.75): VV008640.D (-334) (-)

Ion 58.05 (57.75 to 58.75): VV008640.D (-334) (-)



#14

Carbon disulfide

Concen: 4.912 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VV008689.D

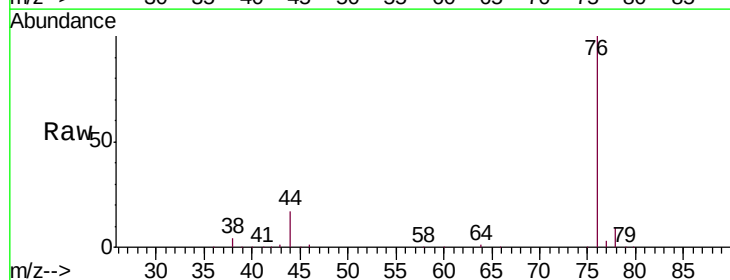
Acq: 21 Nov 2018 09:56

Tgt Ion: 76 Resp: 119468

Ion Ratio Lower Upper

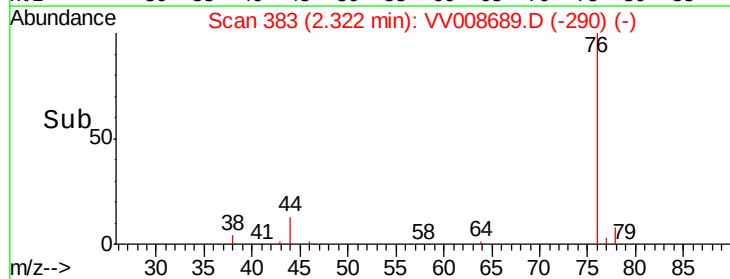
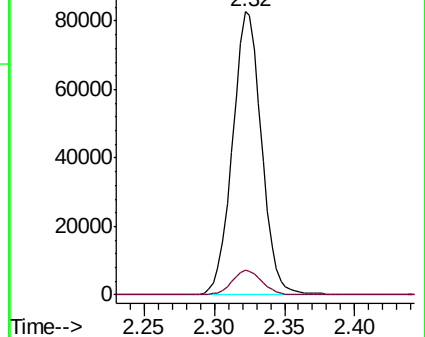
76 100

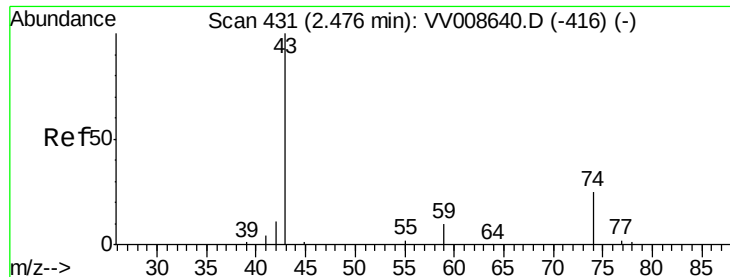
78 8.6 7.0 10.6



Abundance Ion 76.05 (75.75 to 76.75): VV008640.D (-370) (-)

Ion 78.00 (77.70 to 78.70): VV008640.D (-370) (-)





#15

Methyl Acetate

Concen: 5.155 ug/L

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VV008689.D

Acq: 21 Nov 2018 09:56

Instrument :

MSVOA_V

ClientSampleId :

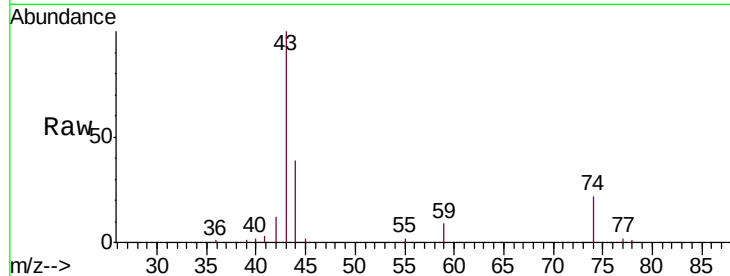
VSTD00576

Tgt Ion: 43 Resp: 17968

Ion Ratio Lower Upper

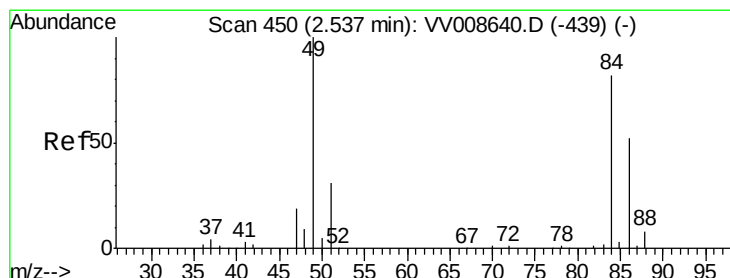
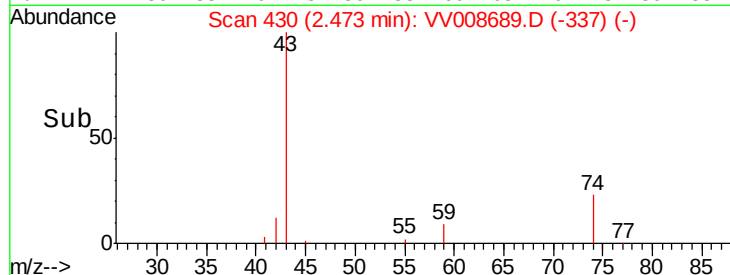
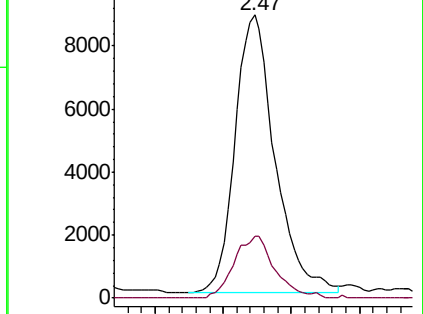
43 100

74 22.7 17.6 26.4



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 4.754 ug/L

RT: 2.54 min Scan# 451

Delta R.T. 0.00 min

Lab File: VV008689.D

Acq: 21 Nov 2018 09:56

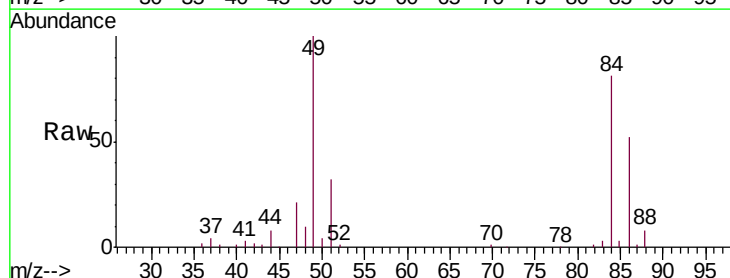
Tgt Ion: 84 Resp: 45102

Ion Ratio Lower Upper

84 100

86 63.9 44.8 83.2

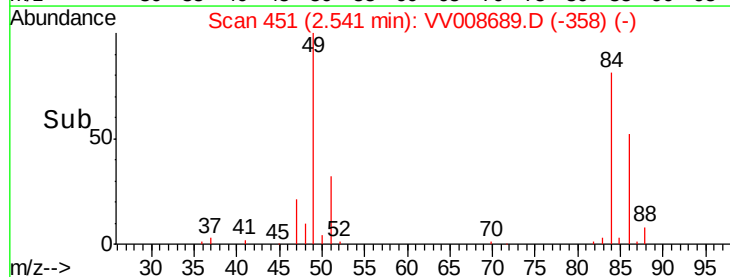
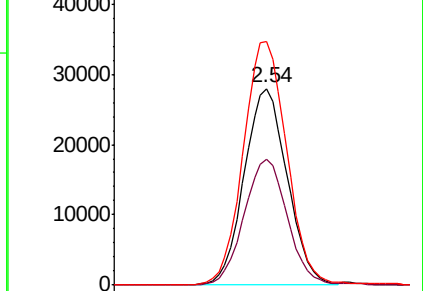
49 124.0 88.1 163.7

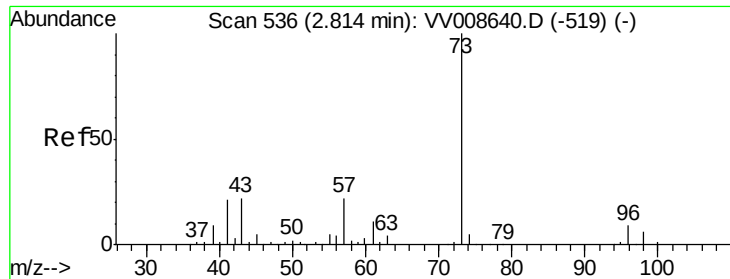


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

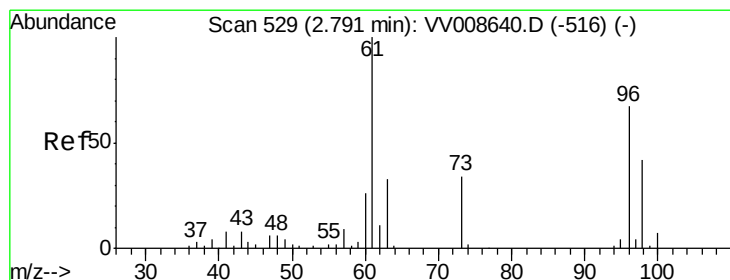
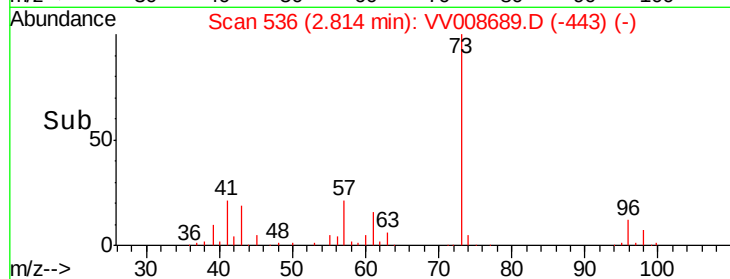
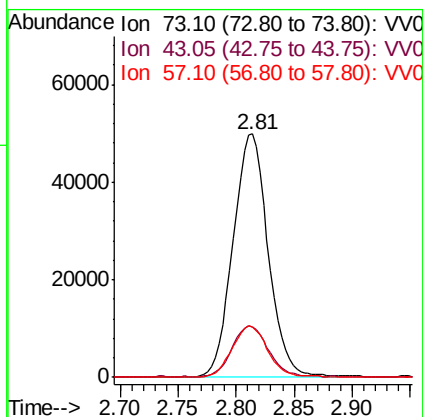
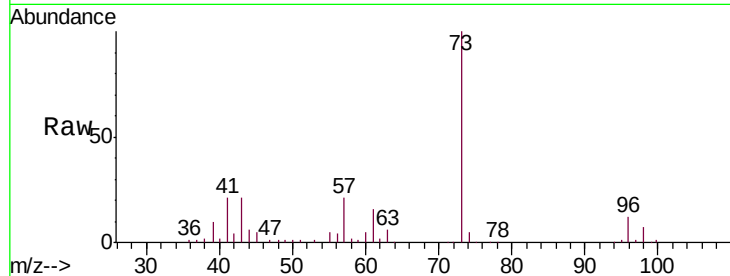




#17
Methyl tert-butyl Ether
Concen: 5.067 ug/L
RT: 2.81 min Scan# 536
Delta R.T. 0.00 min
Lab File: VV008689.D
Acq: 21 Nov 2018 09:56

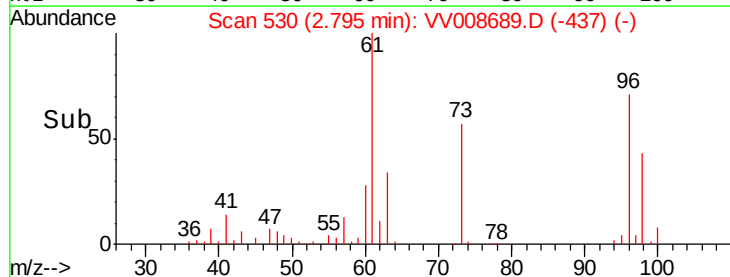
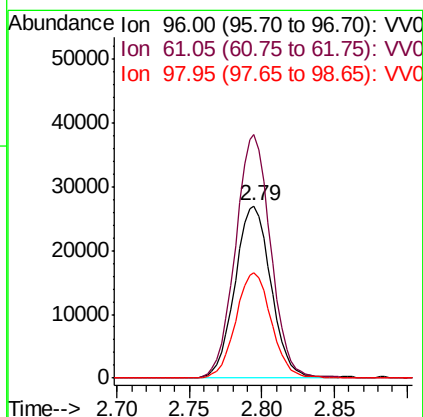
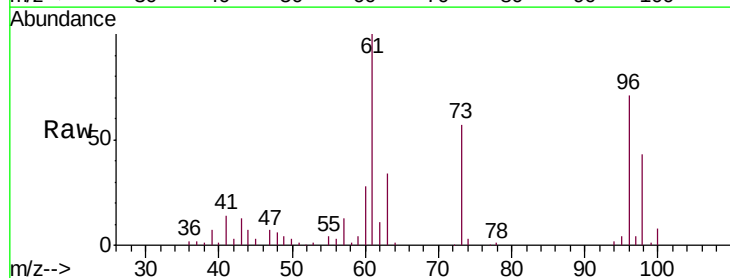
Instrument :
MSVOA_V
ClientSampleId :
VSTD00576

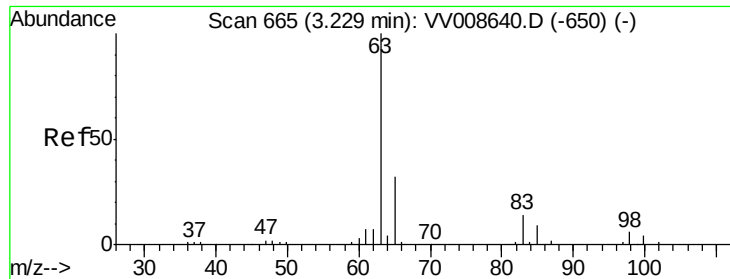
Tgt Ion: 73 Resp: 105067
Ion Ratio Lower Upper
73 100
43 21.3 18.1 27.1
57 21.6 17.9 26.9



#18
trans-1,2-Dichloroethene
Concen: 5.519 ug/L
RT: 2.79 min Scan# 530
Delta R.T. 0.00 min
Lab File: VV008689.D
Acq: 21 Nov 2018 09:56

Tgt Ion: 96 Resp: 46680
Ion Ratio Lower Upper
96 100
61 141.6 97.1 180.3
98 61.4 41.9 77.7

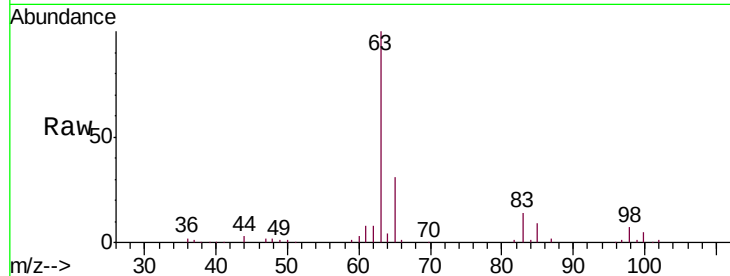




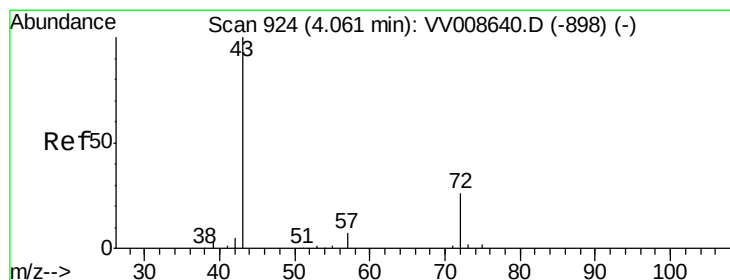
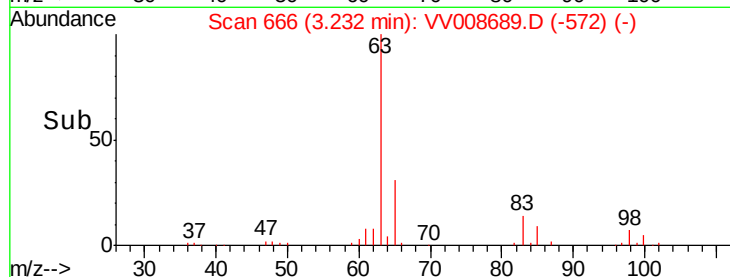
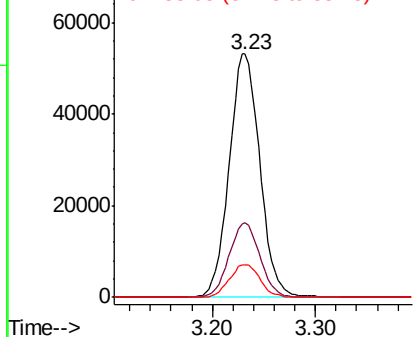
#19
 1,1-Dichloroethane
 Concen: 5.143 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. 0.00 min
 Lab File: VV008689.D
 Acq: 21 Nov 2018 09:56

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00576

Tgt Ion: 63 Resp: 110086
 Ion Ratio Lower Upper
 63 100
 65 30.9 23.2 43.0
 83 13.5 9.5 17.7

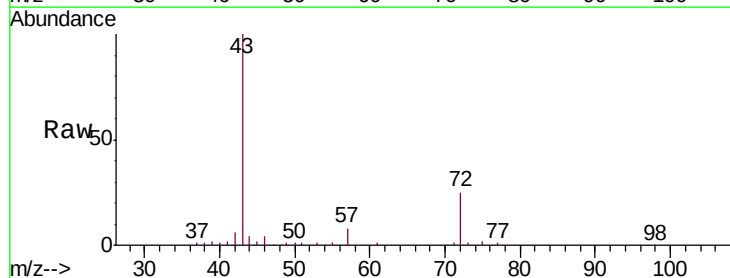


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

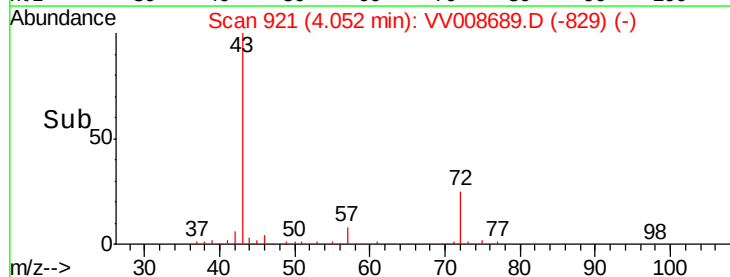
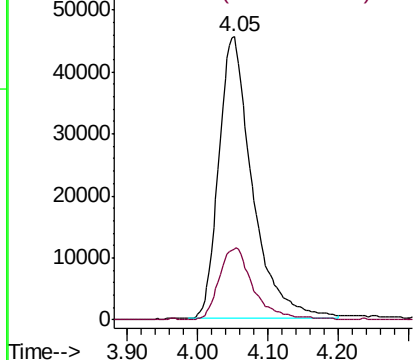


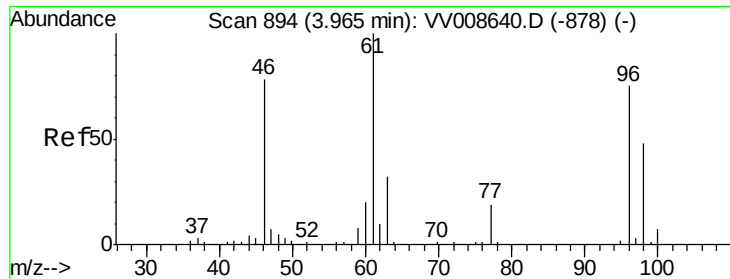
#21
 2-Butanone
 Concen: 48.697 ug/L
 RT: 4.05 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: VV008689.D
 Acq: 21 Nov 2018 09:56

Tgt Ion: 43 Resp: 151888
 Ion Ratio Lower Upper
 43 100
 72 25.5 12.3 36.9



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



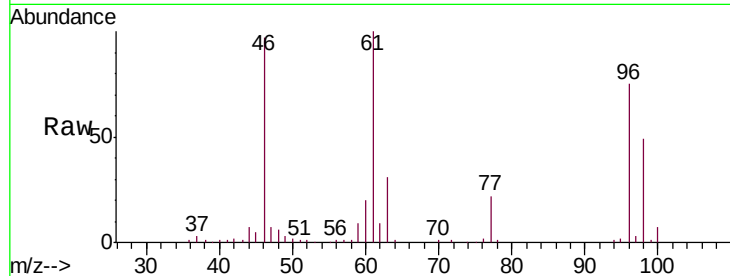


#22

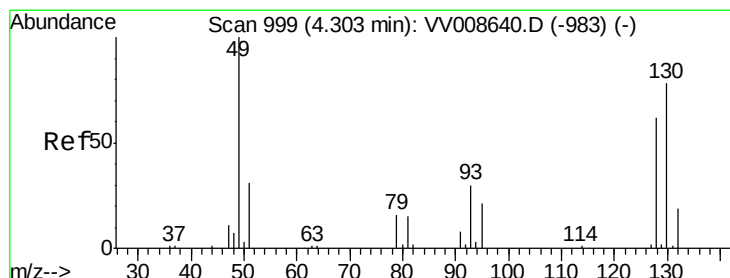
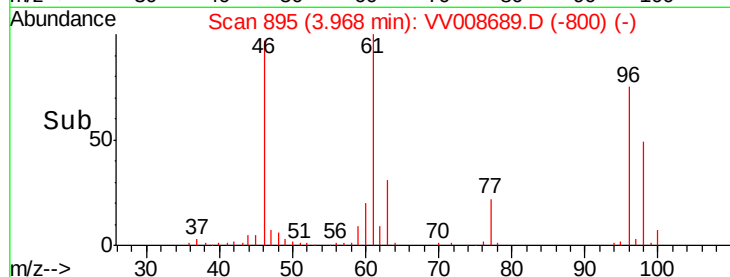
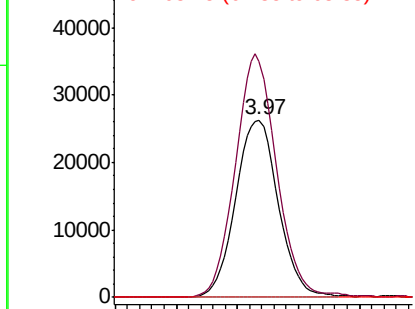
cis-1,2-Dichloroethene
 Concen: 4.982 ug/L
 RT: 3.97 min Scan# 895
 Delta R.T. 0.01 min
 Lab File: VV008689.D
 Acq: 21 Nov 2018 09:56

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00576

Tgt Ion: 96 Resp: 63602
 Ion Ratio Lower Upper
 96 100
 61 133.5 93.2 173.2
 68 0.0 0.0 0.0



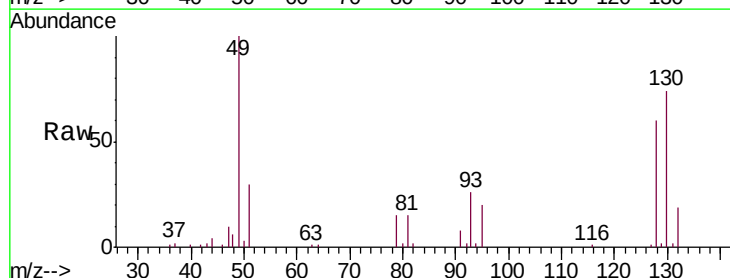
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



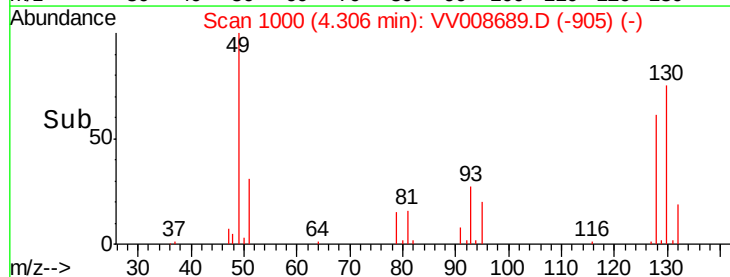
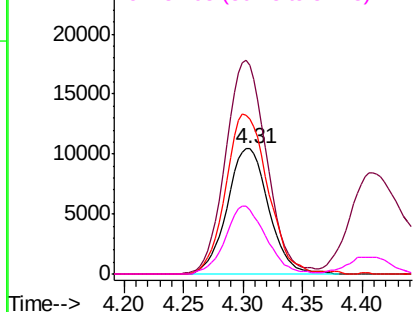
#23

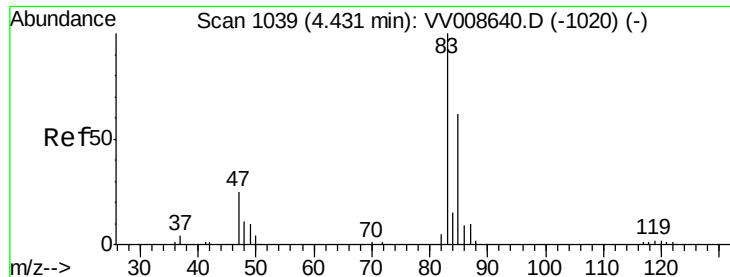
Bromochloromethane
 Concen: 5.140 ug/L
 RT: 4.31 min Scan# 1000
 Delta R.T. 0.01 min
 Lab File: VV008689.D
 Acq: 21 Nov 2018 09:56

Tgt Ion: 128 Resp: 25251
 Ion Ratio Lower Upper
 128 100
 49 166.2 120.0 222.8
 130 123.1 92.3 171.3
 51 50.7 40.0 60.0



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

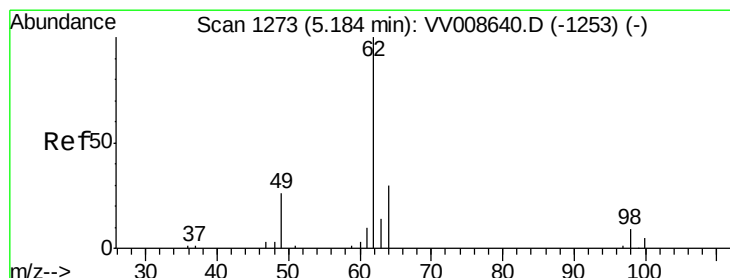
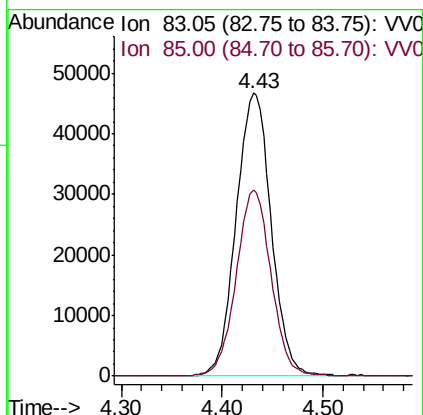
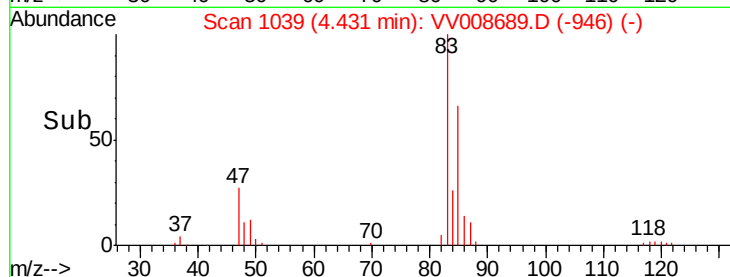
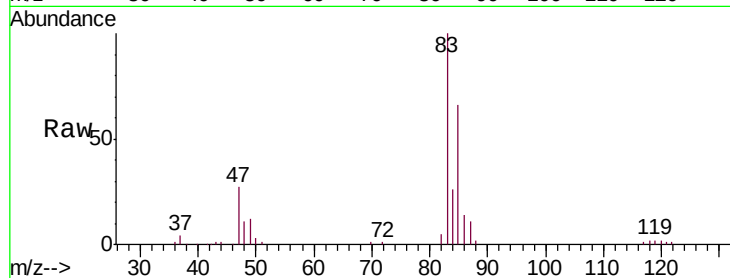




#25
Chloroform
Concen: 4.165 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. 0.00 min
Lab File: VV008689.D
Acq: 21 Nov 2018 09:56

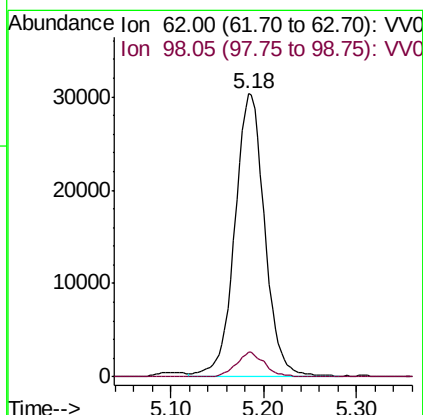
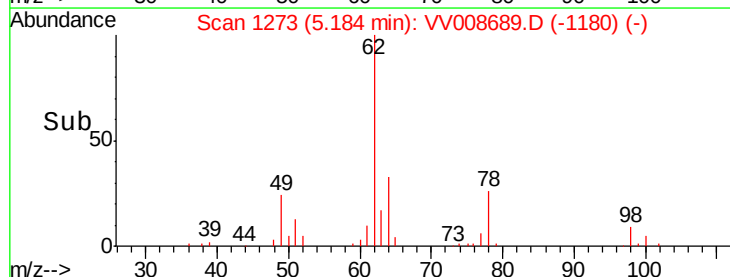
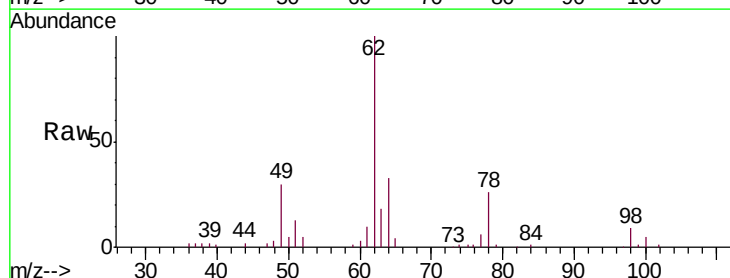
Instrument :
MSVOA_V
ClientSampleId :
VSTD00576

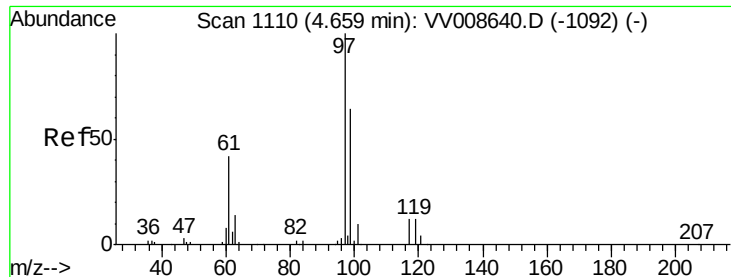
Tgt Ion: 83 Resp: 112622
Ion Ratio Lower Upper
83 100
85 65.9 44.4 82.5



#27
1,2-Dichloroethane
Concen: 5.048 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VV008689.D
Acq: 21 Nov 2018 09:56

Tgt Ion: 62 Resp: 68099
Ion Ratio Lower Upper
62 100
98 8.9 7.1 10.7

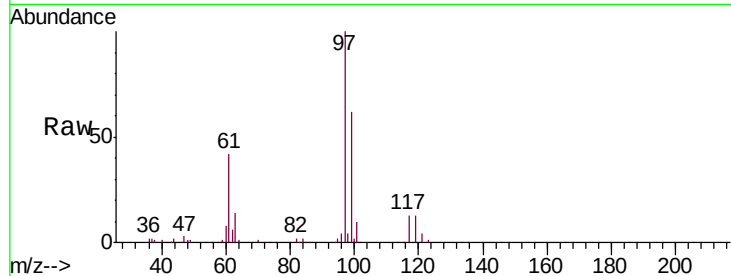




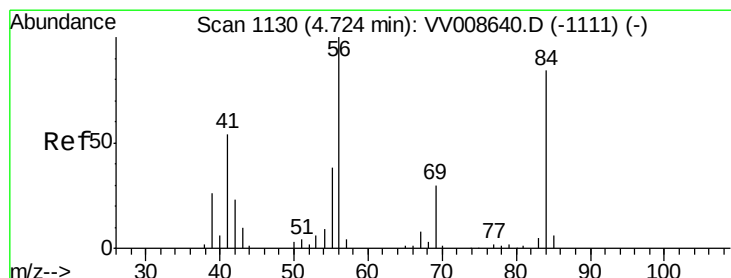
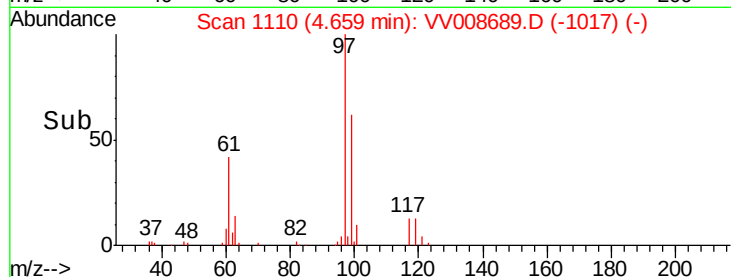
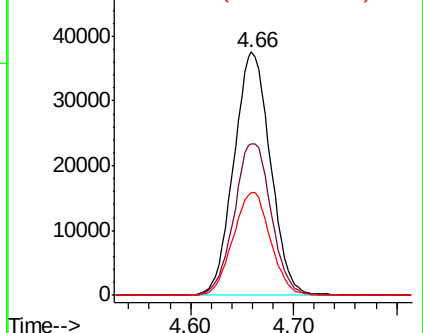
#29
 1,1,1-Trichloroethane
 Concen: 4.843 ug/L
 RT: 4.66 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VV008689.D
 Acq: 21 Nov 2018 09:56

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00576

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.0	76.4
61	43.1	34.3	51.5

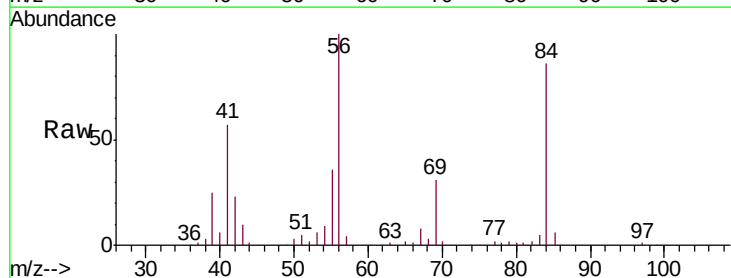


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

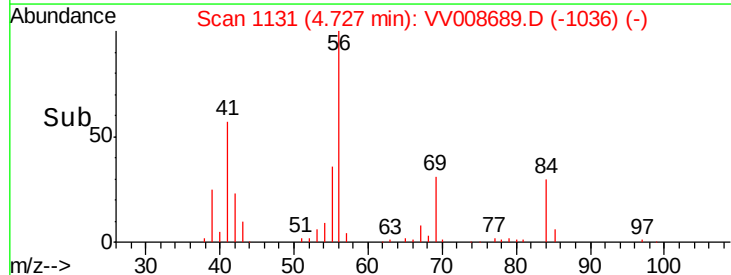
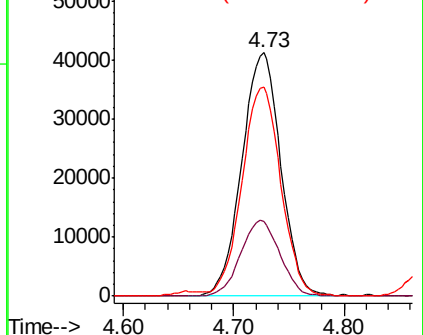


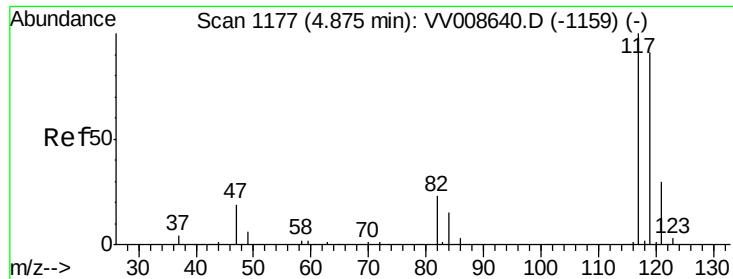
#30
 Cyclohexane
 Concen: 4.743 ug/L
 RT: 4.73 min Scan# 1131
 Delta R.T. 0.01 min
 Lab File: VV008689.D
 Acq: 21 Nov 2018 09:56

Tgt Ion	Ratio	Lower	Upper
56	100		
69	31.2	24.2	36.4
84	86.0	65.7	98.5



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: 4.763 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VV008689.D

Acq: 21 Nov 2018 09:56

Instrument :

MSVOA_V

ClientSampleId :

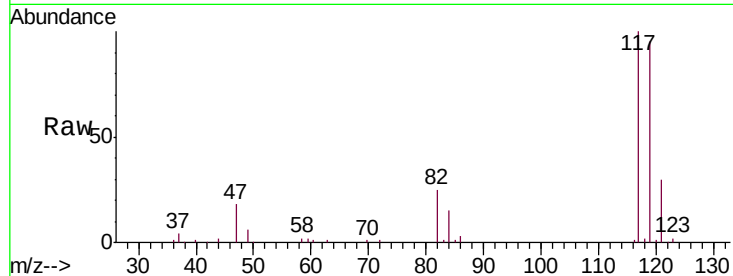
VSTD00576

Tgt Ion:117 Resp: 77421

Ion Ratio Lower Upper

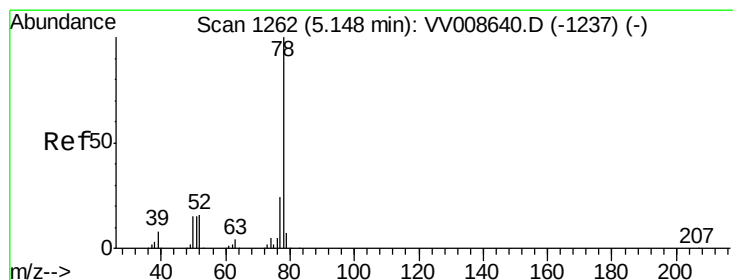
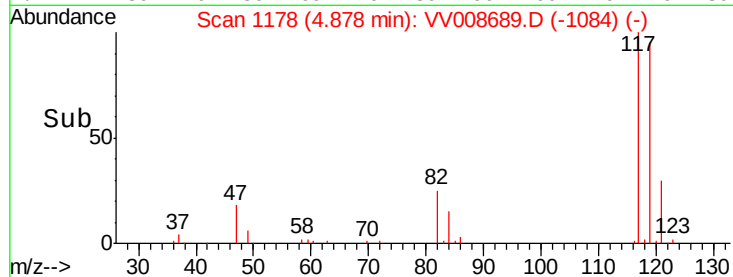
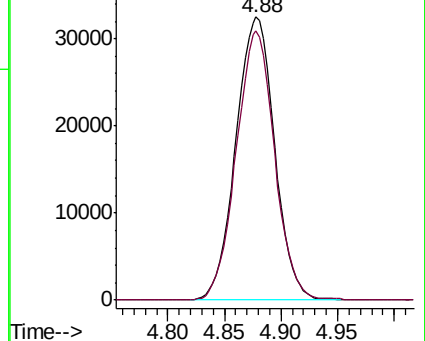
117 100

119 94.0 75.8 113.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.028 ug/L

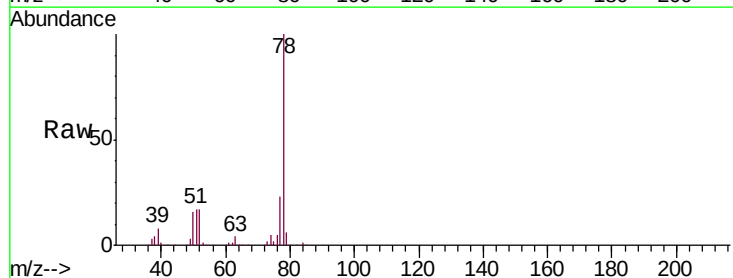
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

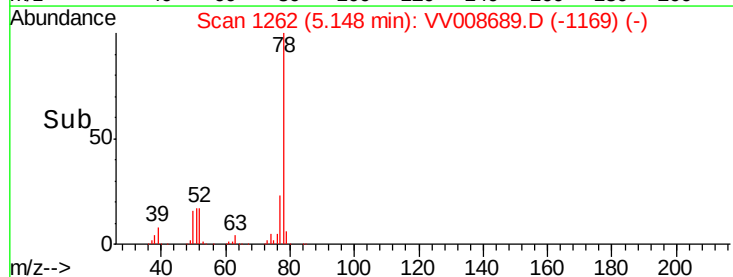
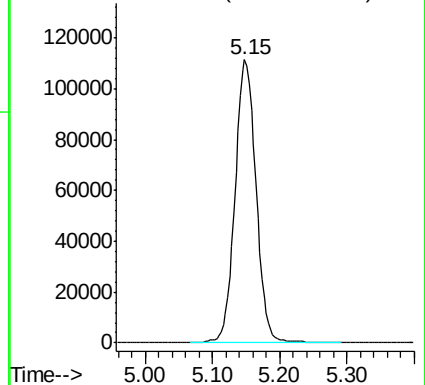
Lab File: VV008689.D

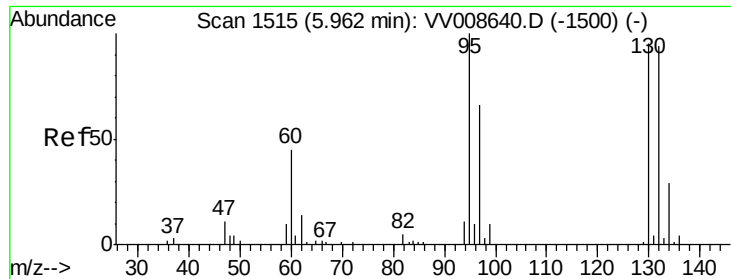
Acq: 21 Nov 2018 09:56

Tgt Ion: 78 Resp: 241324



Abundance Ion 78.10 (77.80 to 78.80): VV0

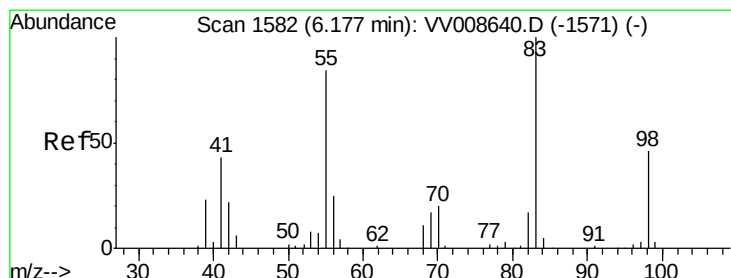
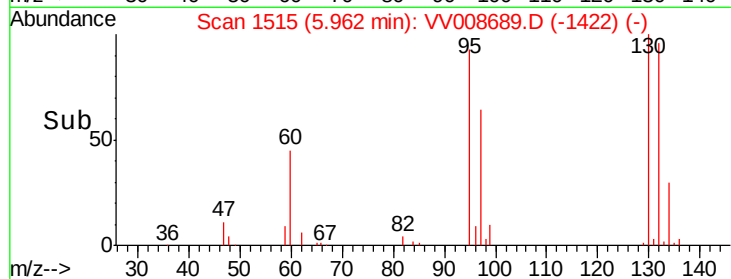
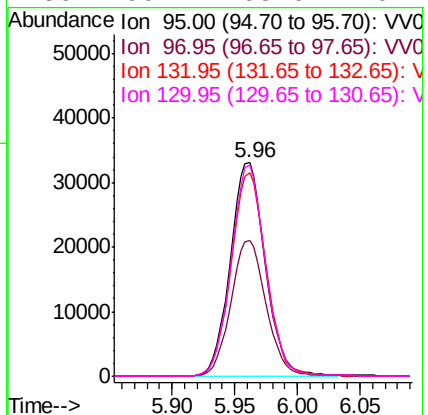
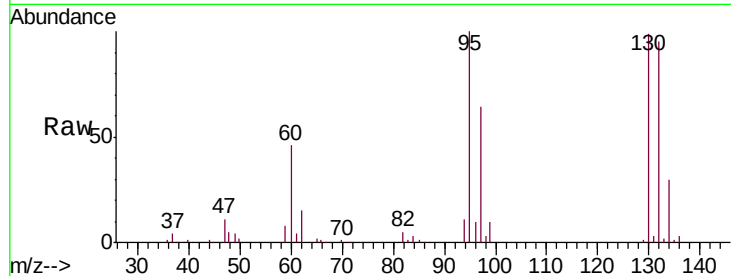




#34
 Trichloroethene
 Concen: 5.047 ug/L
 RT: 5.96 min Scan# 1515
 Delta R.T. 0.00 min
 Lab File: VV008689.D
 Acq: 21 Nov 2018 09:56

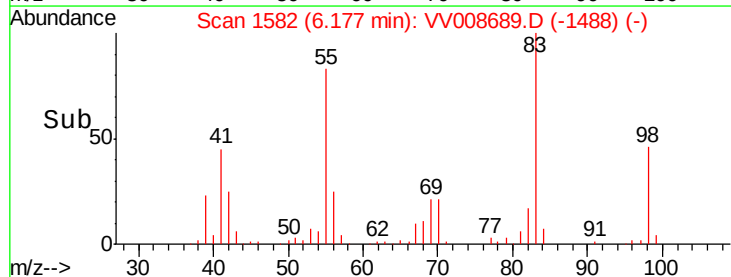
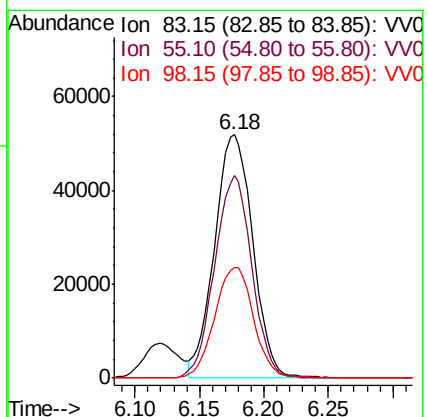
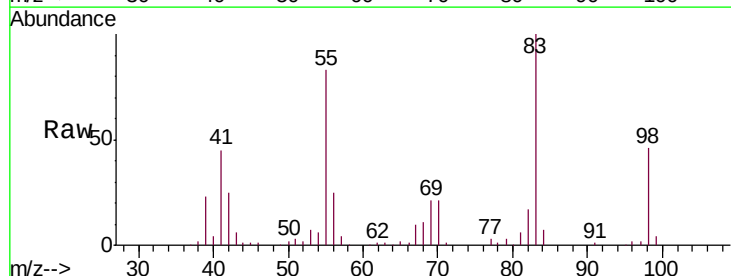
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00576

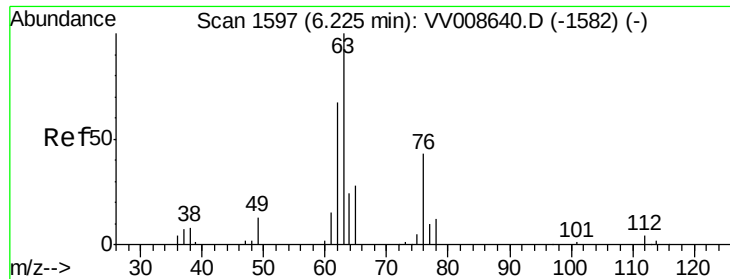
Tgt Ion:	95	Resp:	64027
Ion	Ratio	Lower	Upper
95	100		
97	63.5	45.1	83.7
132	95.3	66.3	123.1
130	99.1	68.0	126.4



#35
 Methylcyclohexane
 Concen: 4.984 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. 0.00 min
 Lab File: VV008689.D
 Acq: 21 Nov 2018 09:56

Tgt Ion:	83	Resp:	107063
Ion	Ratio	Lower	Upper
83	100		
55	80.7	65.6	98.4
98	46.3	36.4	54.6

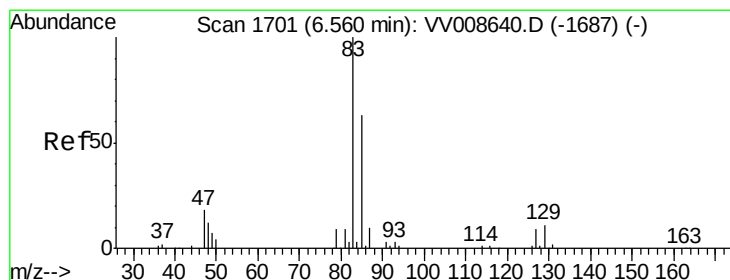
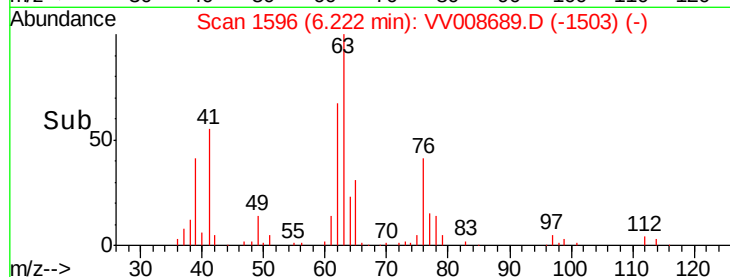
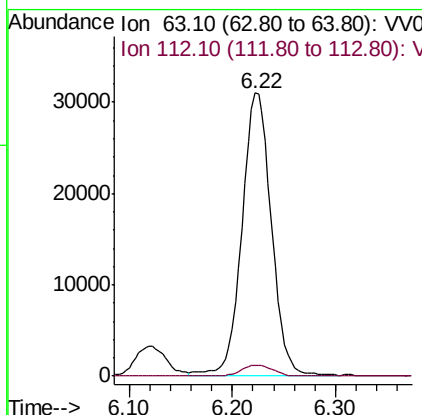
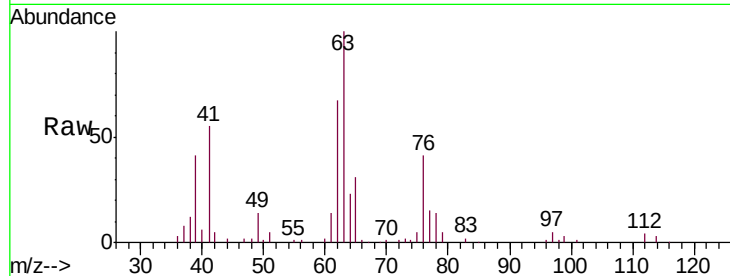




#37
 1,2-Dichloropropane
 Concen: 4.838 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. 0.00 min
 Lab File: VV008689.D
 Acq: 21 Nov 2018 09:56

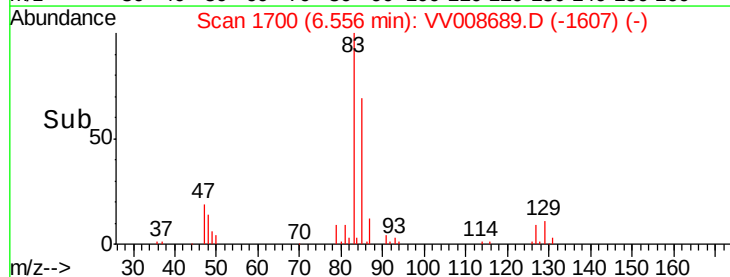
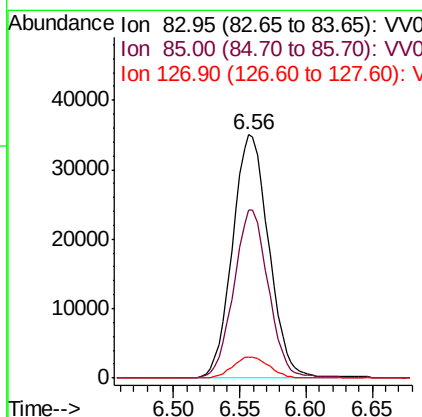
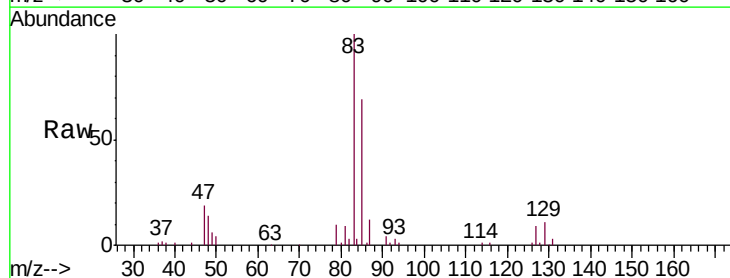
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00576

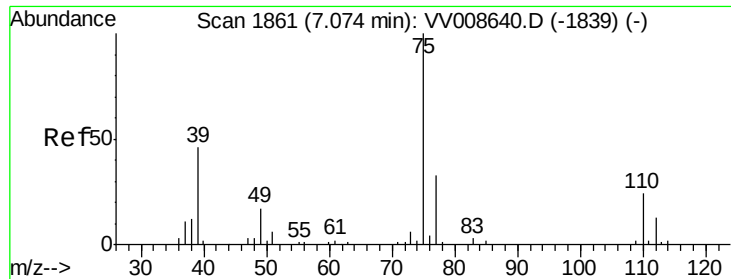
Tgt Ion: 63 Resp: 61029
 Ion Ratio Lower Upper
 63 100
 112 4.1 2.8 4.2



#38
 Bromodichloromethane
 Concen: 4.334 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VV008689.D
 Acq: 21 Nov 2018 09:56

Tgt Ion: 83 Resp: 66705
 Ion Ratio Lower Upper
 83 100
 85 68.8 44.9 83.5
 127 8.7 6.9 10.3

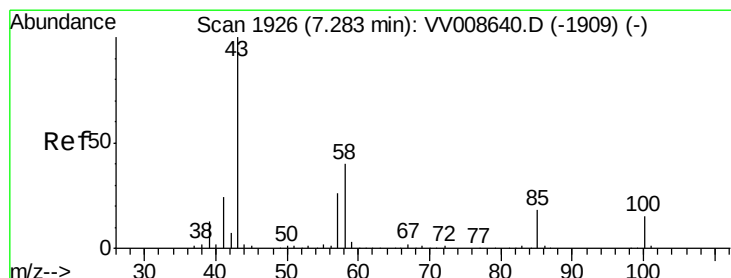
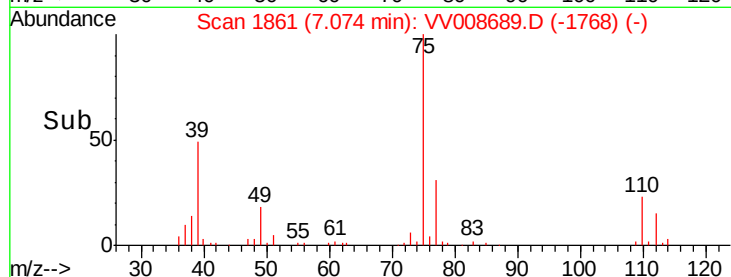
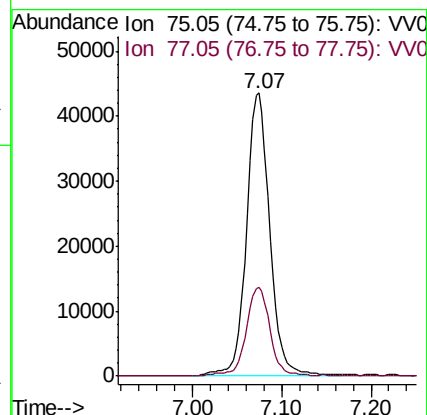
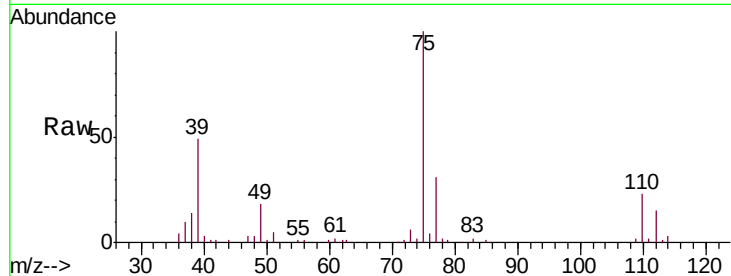




#39
 cis-1,3-Dichloropropene
 Concen: 4.687 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VV008689.D
 Acq: 21 Nov 2018 09:56

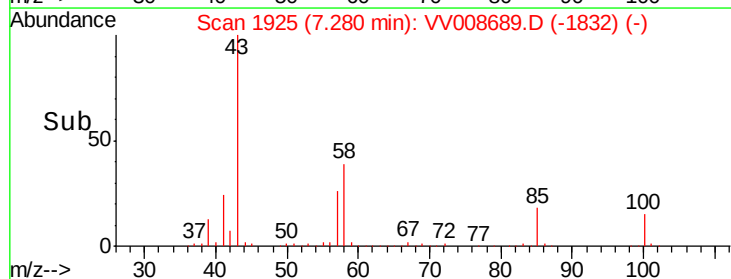
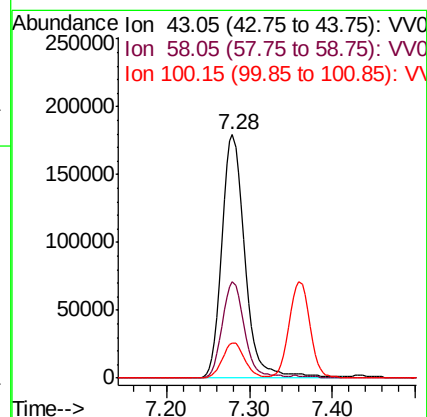
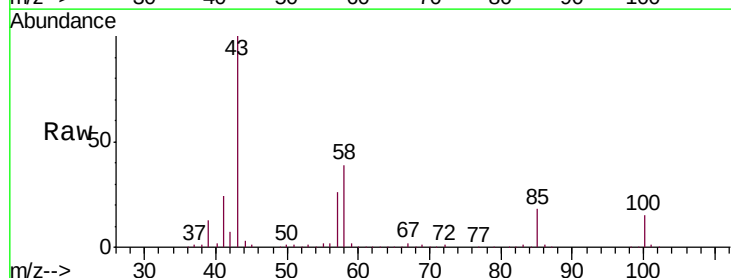
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00576

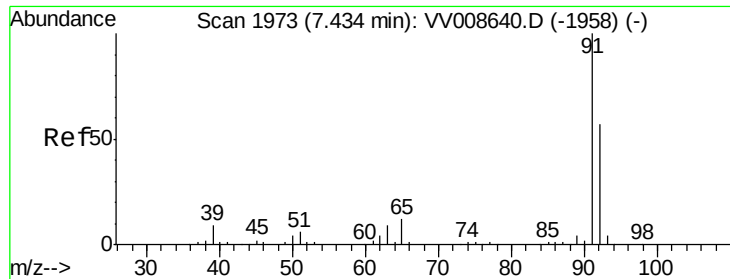
Tgt Ion: 75 Resp: 79492
 Ion Ratio Lower Upper
 75 100
 77 31.3 23.0 42.8



#40
 4-Methyl-2-pentanone
 Concen: 46.803 ug/L
 RT: 7.28 min Scan# 1925
 Delta R.T. 0.00 min
 Lab File: VV008689.D
 Acq: 21 Nov 2018 09:56

Tgt Ion: 43 Resp: 345604
 Ion Ratio Lower Upper
 43 100
 58 38.2 31.0 46.4
 100 14.0 11.1 16.7





#42

Toluene

Concen: 5.093 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV008689.D

Acq: 21 Nov 2018 09:56

Instrument :

MSVOA_V

ClientSampleId :

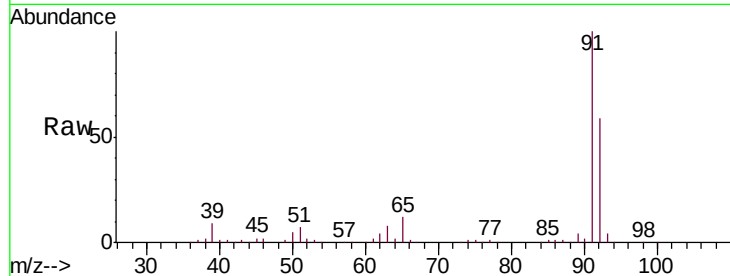
VSTD00576

Tgt Ion: 91 Resp: 254750

Ion Ratio Lower Upper

91 100

92 58.5 39.1 72.5



Abundance Ion 91.15 (90.85 to 91.85): VV008640.D (-1958) (-)

Ion 92.15 (91.85 to 92.85): VV008640.D (-1958) (-)

7.43

150000

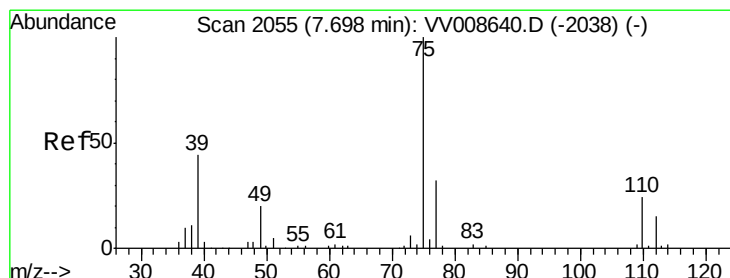
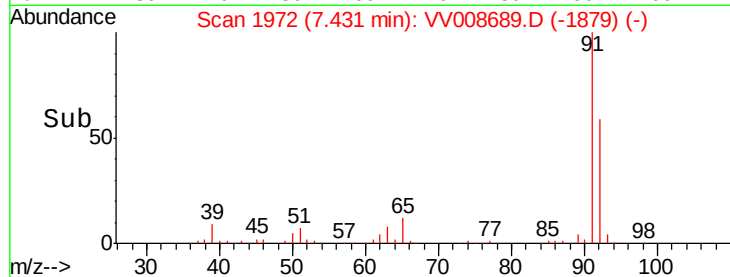
100000

50000

0

7.40 7.50

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.394 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV008689.D

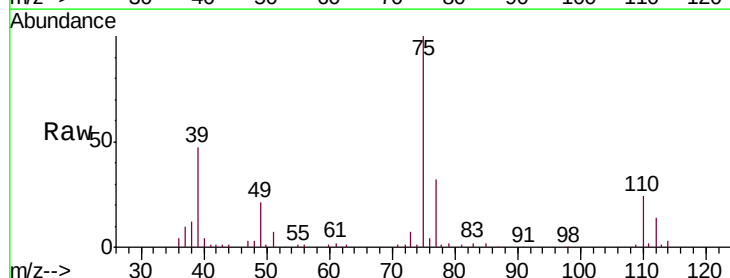
Acq: 21 Nov 2018 09:56

Tgt Ion: 75 Resp: 60702

Ion Ratio Lower Upper

75 100

77 31.6 23.0 42.6



Abundance Ion 75.05 (74.75 to 75.75): VV008640.D (-2038) (-)

Ion 77.05 (76.75 to 77.75): VV008640.D (-2038) (-)

7.70

40000

30000

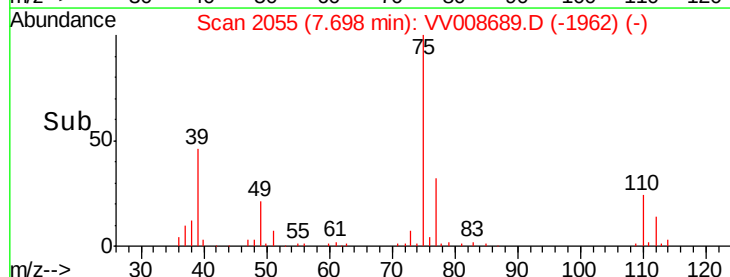
20000

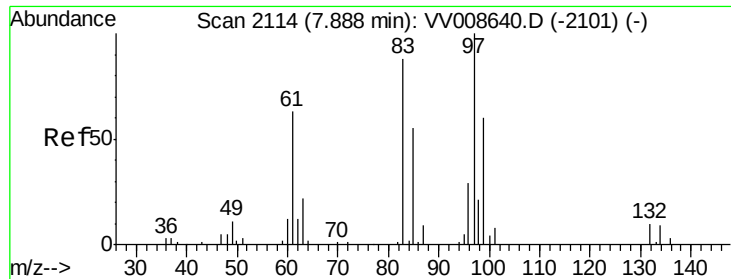
10000

0

7.60 7.65 7.70 7.75

Time-->

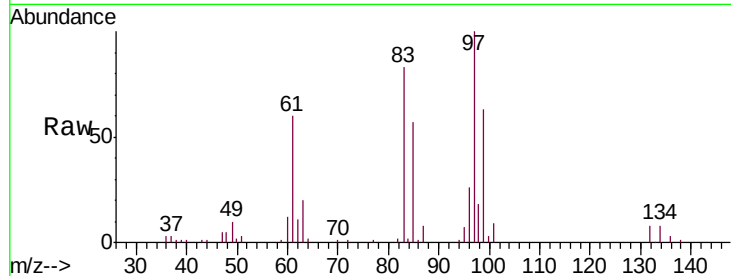




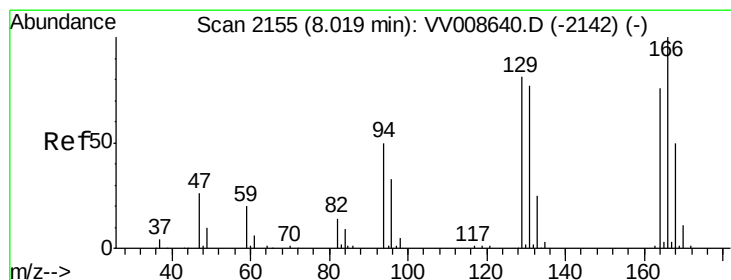
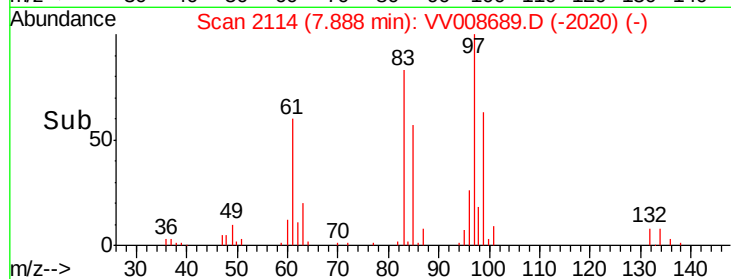
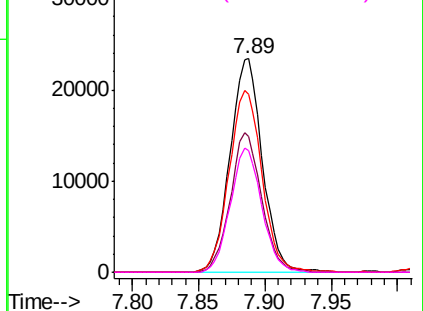
#45
 1,1,2-Trichloroethane
 Concen: 4.935 ug/L
 RT: 7.89 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VV008689.D
 Acq: 21 Nov 2018 09:56

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00576

Tgt Ion:	97	Resp:	39623
Ion	Ratio	Lower	Upper
97	100		
99	63.4	43.0	79.8
83	83.2	63.0	117.0
85	57.2	40.1	74.5

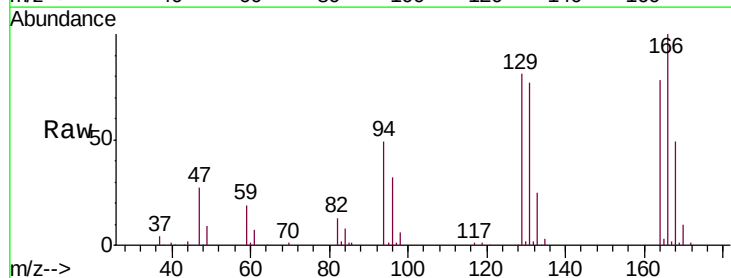


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

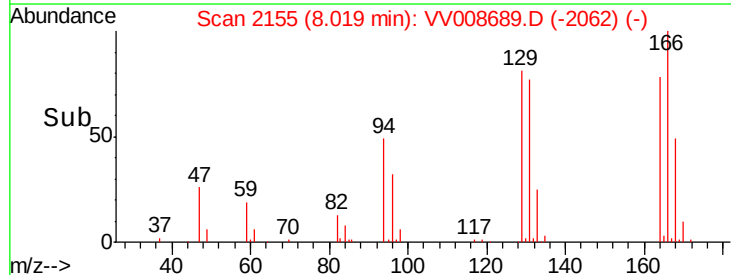
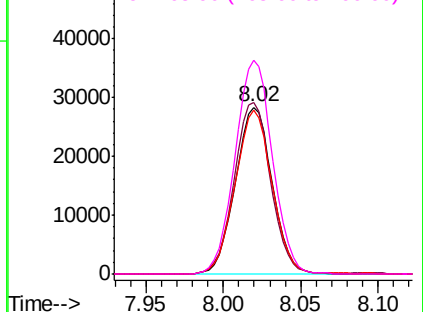


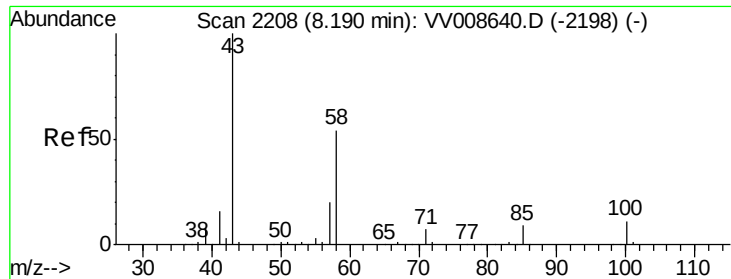
#47
 Tetrachloroethene
 Concen: 5.103 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV008689.D
 Acq: 21 Nov 2018 09:56

Tgt Ion:	164	Resp:	46845
Ion	Ratio	Lower	Upper
164	100		
129	103.0	67.5	125.4
131	98.4	66.4	123.4
166	128.0	85.8	159.3



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

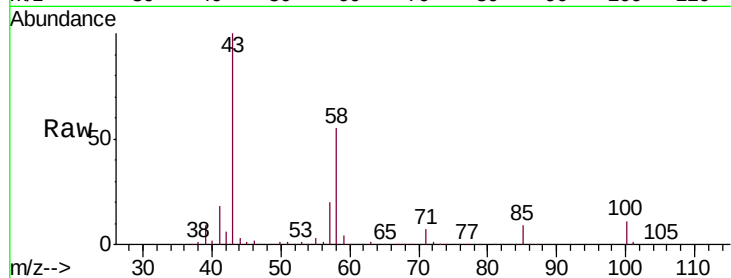




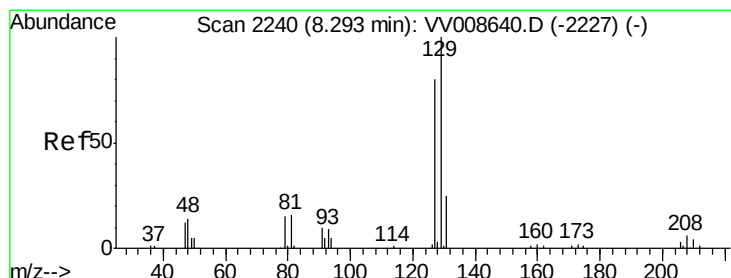
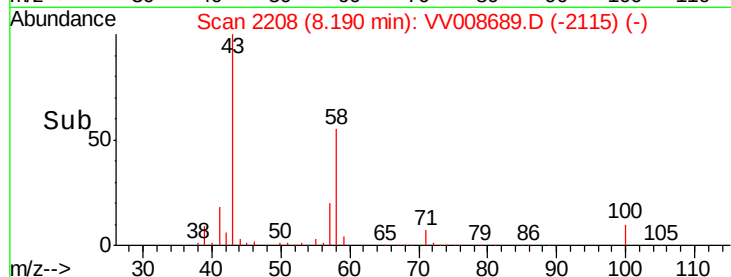
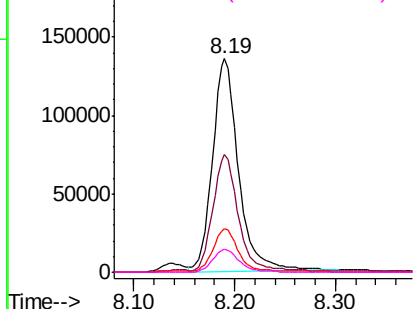
#48
2-Hexanone
Concen: 48.724 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VV008689.D
Acq: 21 Nov 2018 09:56

Instrument :
MSVOA_V
ClientSampleId :
VSTD00576

Tgt Ion: 43 Resp: 242833
Ion Ratio Lower Upper
43 100
58 54.1 41.8 62.8
57 19.6 15.4 23.0
100 11.2 8.7 13.1

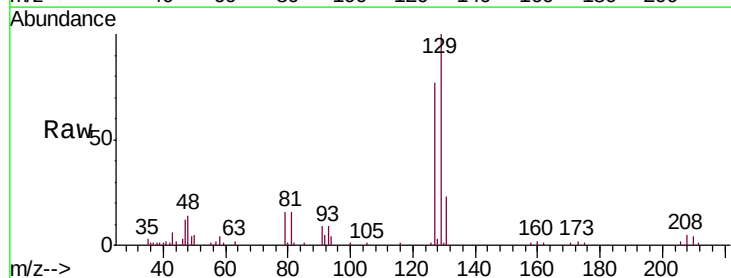


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

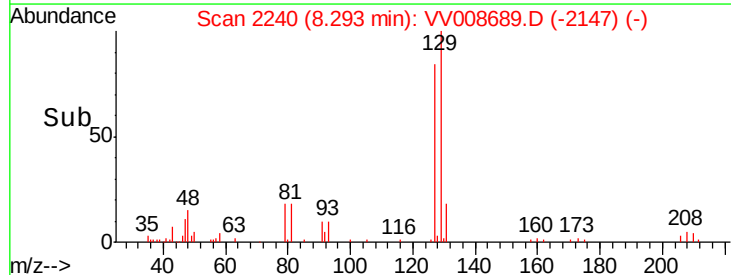
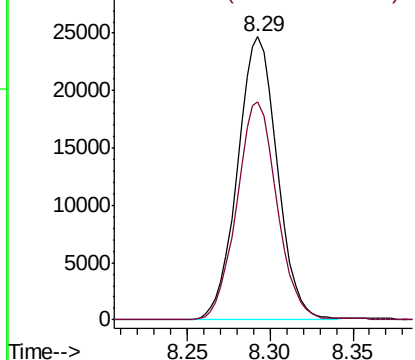


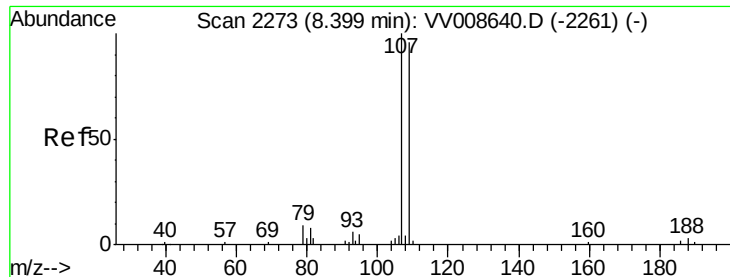
#49
Dibromochloromethane
Concen: 4.497 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VV008689.D
Acq: 21 Nov 2018 09:56

Tgt Ion: 129 Resp: 41060
Ion Ratio Lower Upper
129 100
127 77.2 54.6 101.4



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





#50

1,2-Dibromoethane

Concen: 4.893 ug/L

RT: 8.40 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VV008689.D

Acq: 21 Nov 2018 09:56

Instrument :

MSVOA_V

ClientSampleId :

VSTD00576

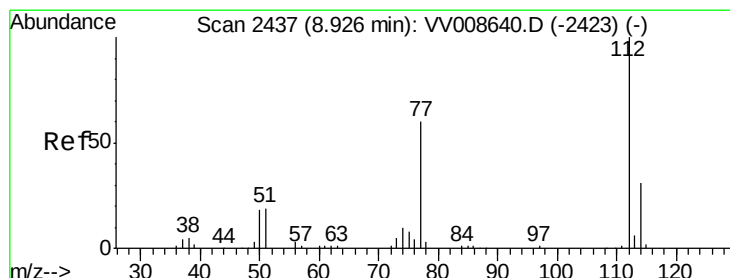
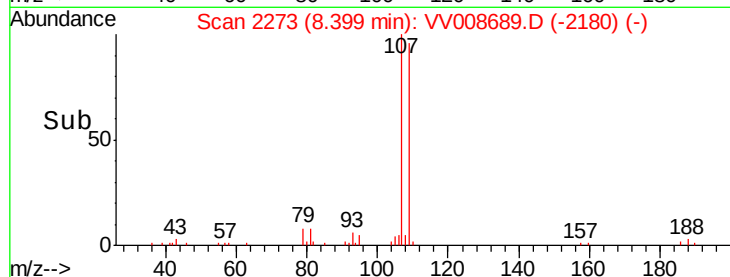
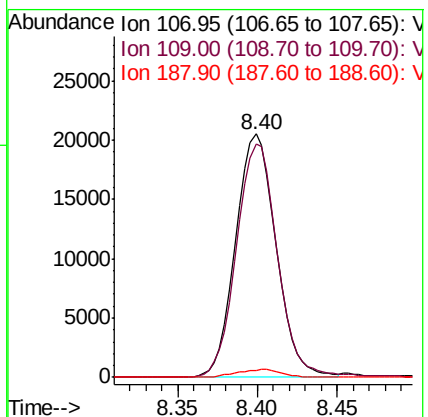
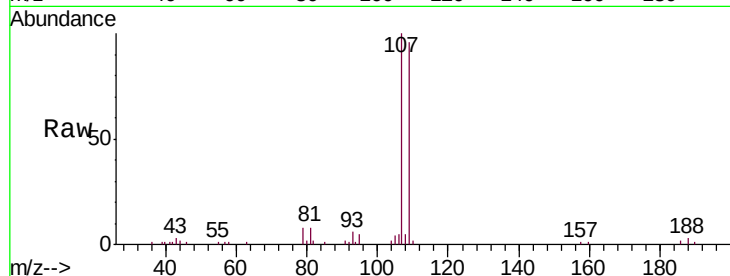
Tgt Ion:107 Resp: 35500

Ion Ratio Lower Upper

107 100

109 95.8 62.1 115.3

188 3.0 2.2 3.4



#51

Chlorobenzene

Concen: 5.051 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VV008689.D

Acq: 21 Nov 2018 09:56

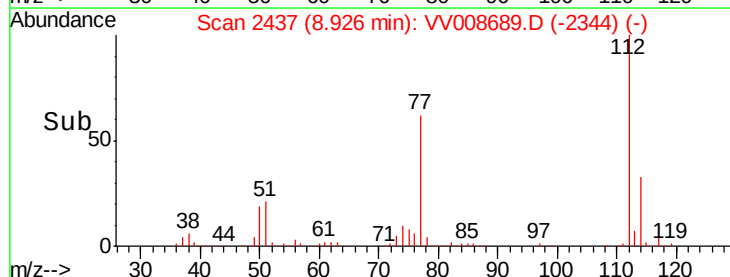
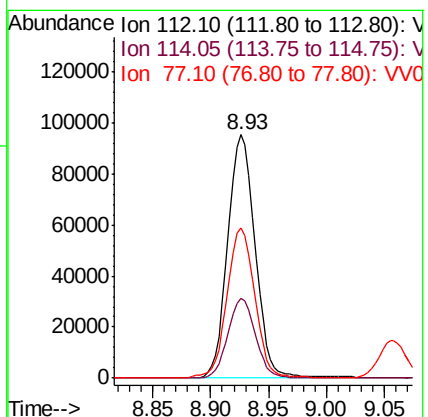
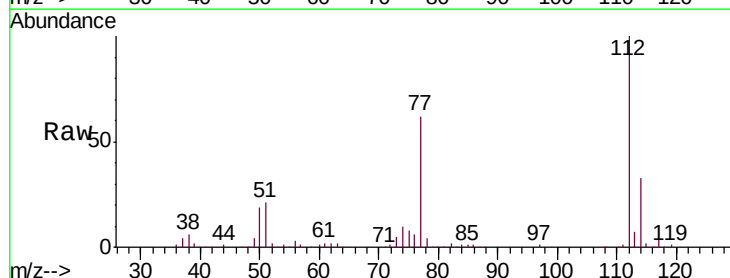
Tgt Ion:112 Resp: 155861

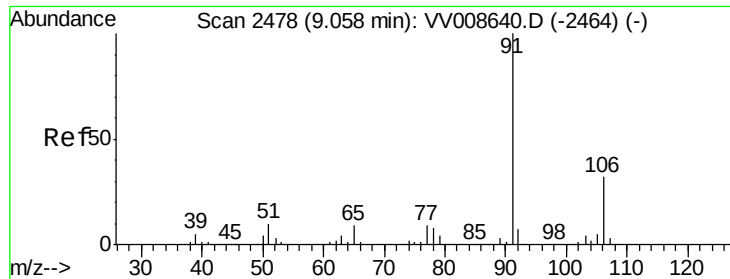
Ion Ratio Lower Upper

112 100

114 32.5 21.9 40.7

77 61.7 47.9 71.9





#52

Ethylbenzene

Concen: 5.009 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV008689.D

Acq: 21 Nov 2018 09:56

Instrument :

MSVOA_V

ClientSampleId :

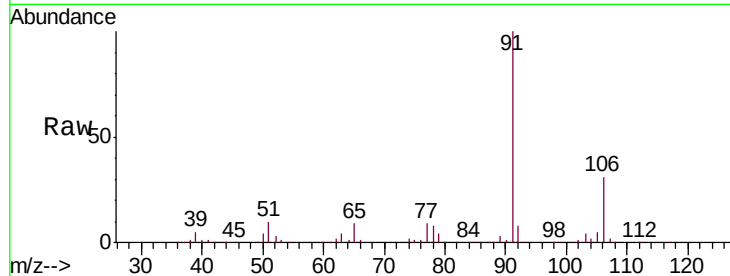
VSTD00576

Tgt Ion: 91 Resp: 275746

Ion Ratio Lower Upper

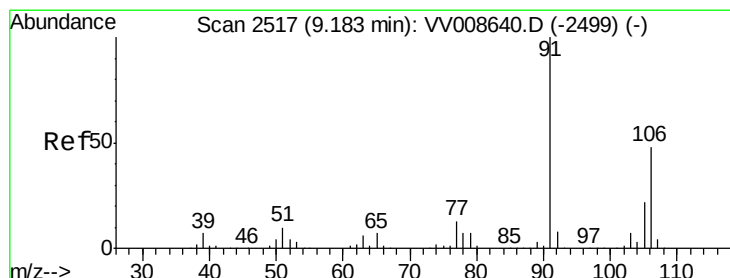
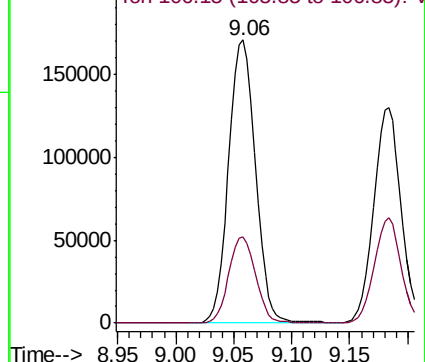
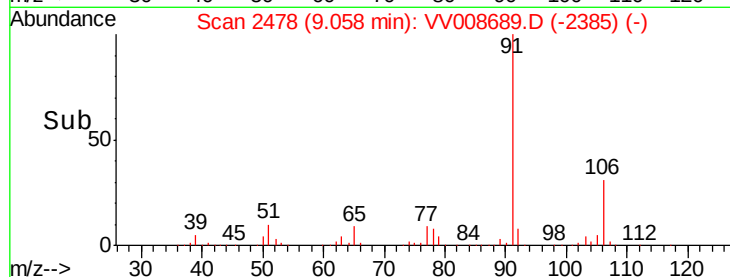
91 100

106 30.7 21.3 39.6



Abundance Ion 91.15 (90.85 to 91.85): VV008689.D (-2385) (-)

Ion 106.15 (105.85 to 106.85): VV008689.D (-2385) (-)



#53

m,p-xylene

Concen: 5.023 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV008689.D

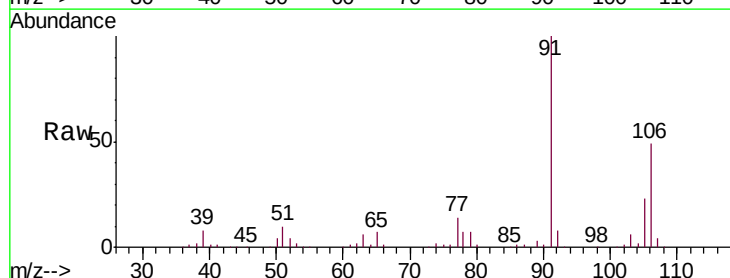
Acq: 21 Nov 2018 09:56

Tgt Ion: 106 Resp: 102241

Ion Ratio Lower Upper

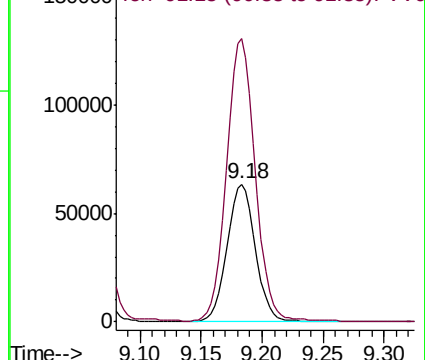
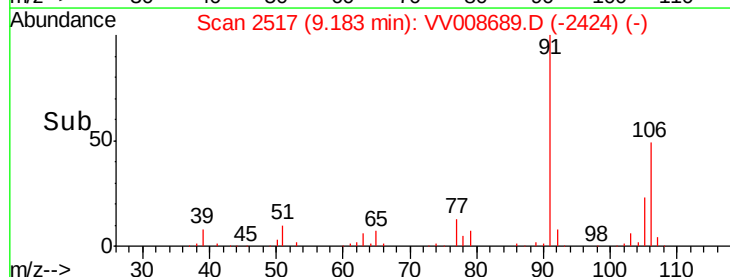
106 100

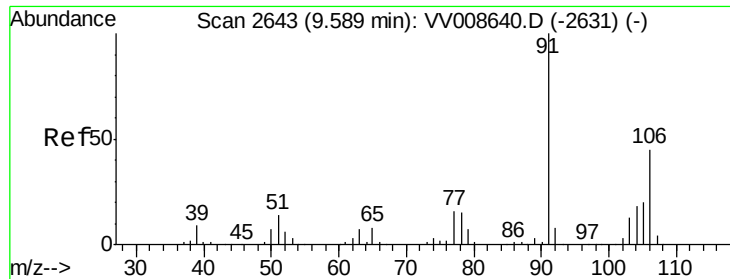
91 205.7 144.0 267.4



Abundance Ion 106.15 (105.85 to 106.85): VV008689.D (-2424) (-)

Ion 91.15 (90.85 to 91.85): VV008689.D (-2424) (-)





#54

o-xylene

Concen: 5.010 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV008689.D

Acq: 21 Nov 2018 09:56

Instrument :

MSVOA_V

ClientSampleId :

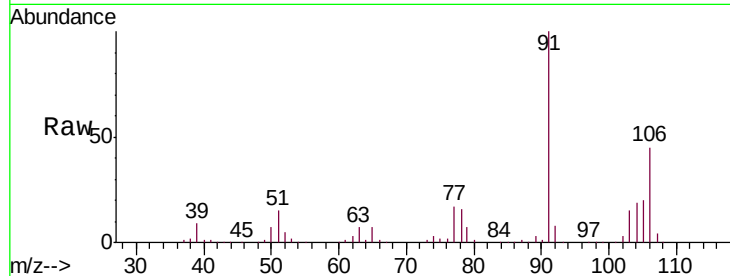
VSTD00576

Tgt Ion:106 Resp: 99226

Ion Ratio Lower Upper

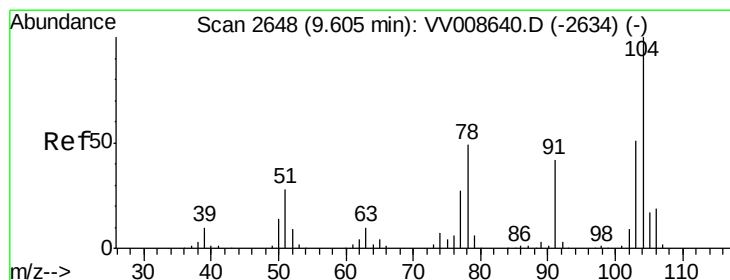
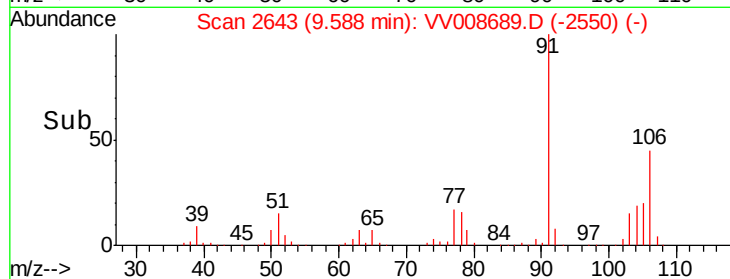
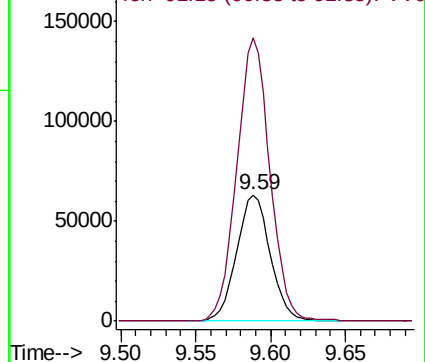
106 100

91 223.6 152.9 284.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.101 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV008689.D

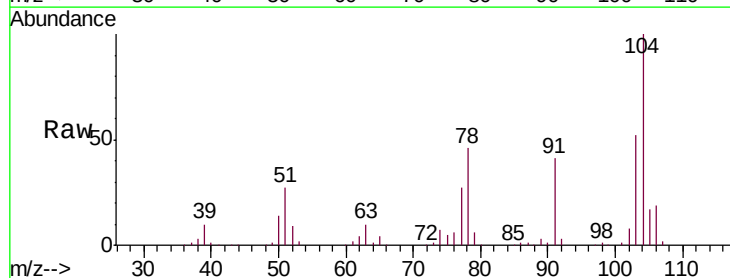
Acq: 21 Nov 2018 09:56

Tgt Ion:104 Resp: 163090

Ion Ratio Lower Upper

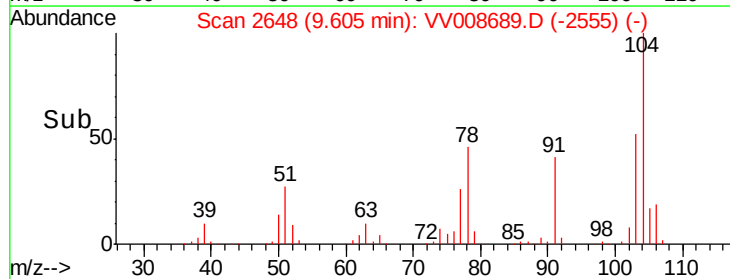
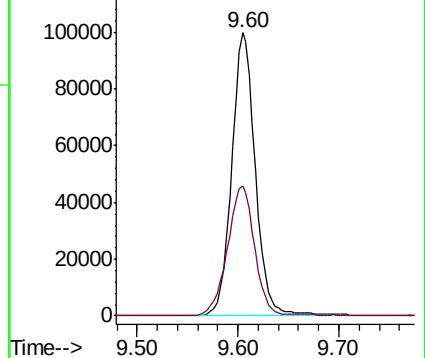
104 100

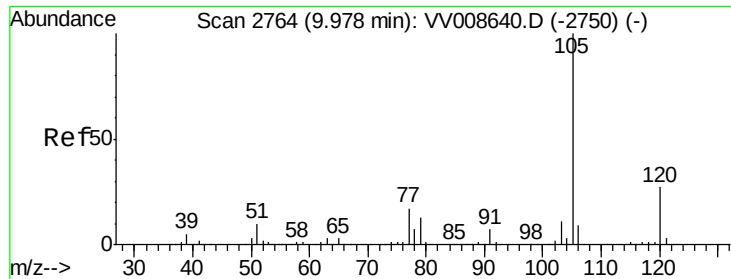
78 45.9 32.9 61.1



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.052 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV008689.D

Acq: 21 Nov 2018 09:56

Instrument :

MSVOA_V

ClientSampleId :

VSTD00576

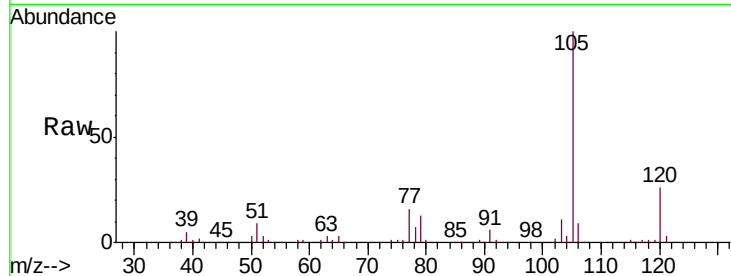
Tgt Ion: 105 Resp: 268648

Ion Ratio Lower Upper

105 100

120 26.4 21.0 31.6

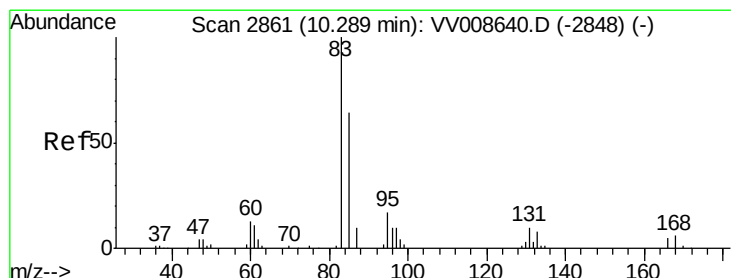
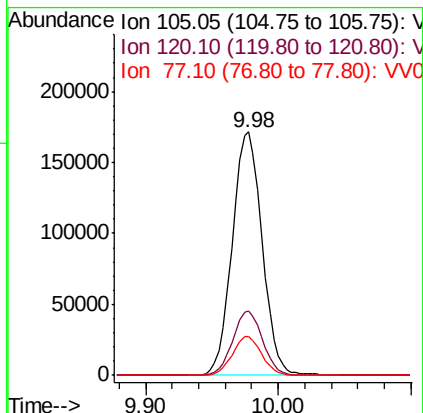
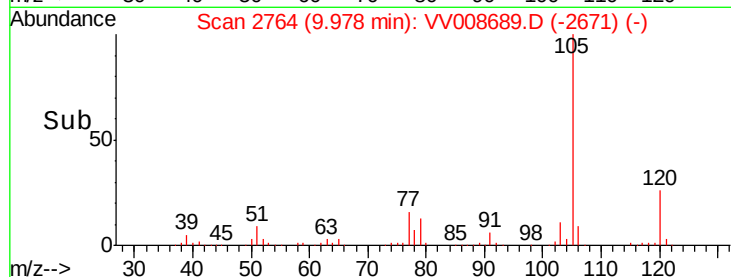
77 15.8 13.0 19.4



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: 4.762 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV008689.D

Acq: 21 Nov 2018 09:56

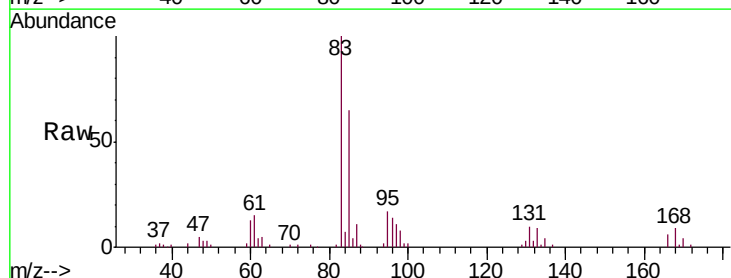
Tgt Ion: 83 Resp: 45121

Ion Ratio Lower Upper

83 100

85 65.0 44.8 83.2

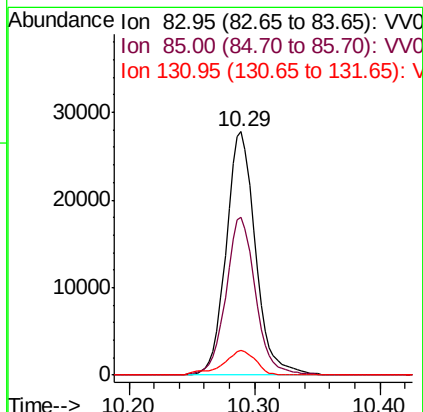
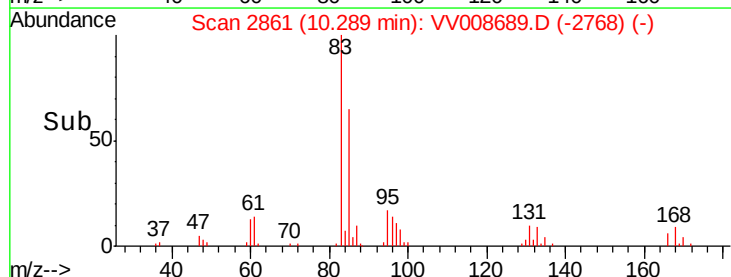
131 10.1 8.1 12.1

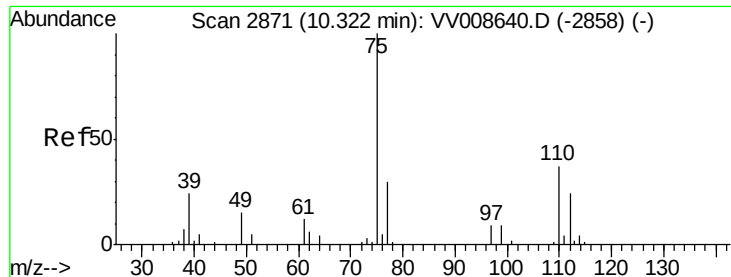


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

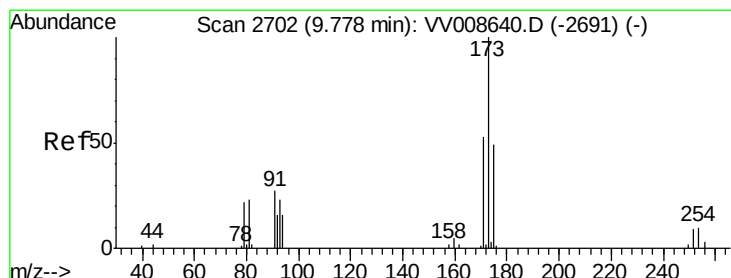
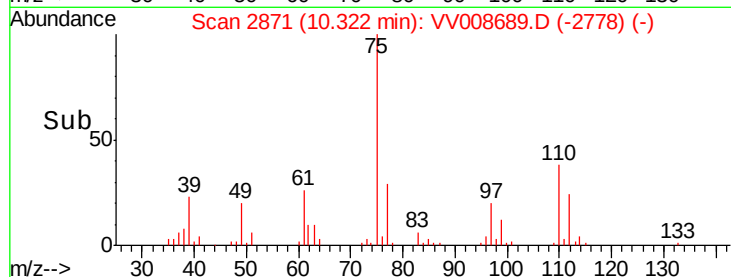
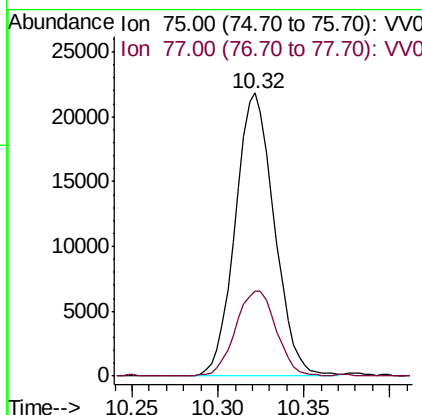
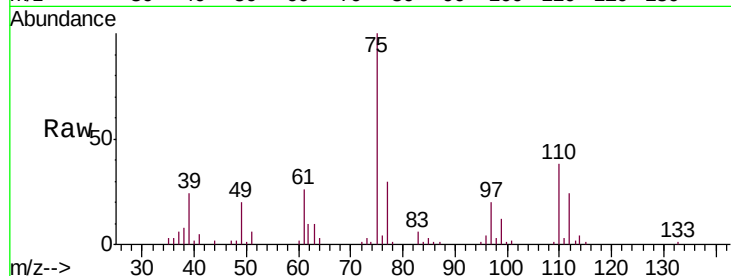




#59
 1,2,3-Trichloropropane
 Concen: 4.830 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VV008689.D
 Acq: 21 Nov 2018 09:56

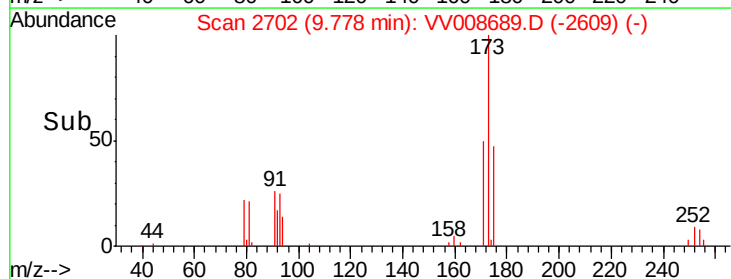
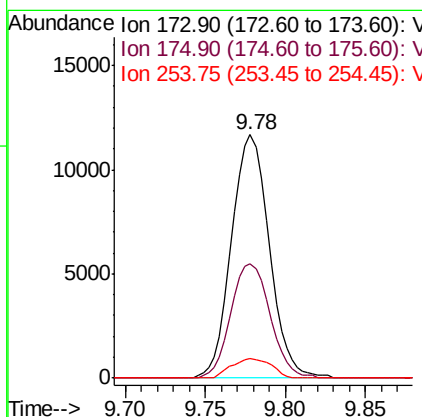
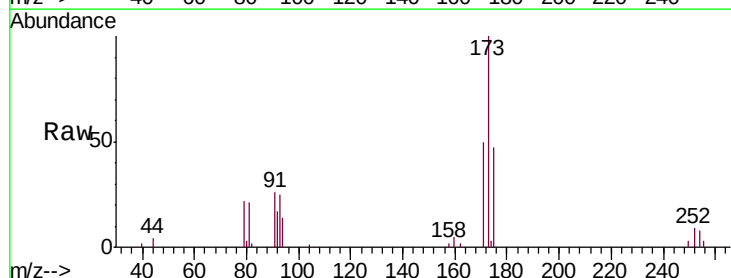
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00576

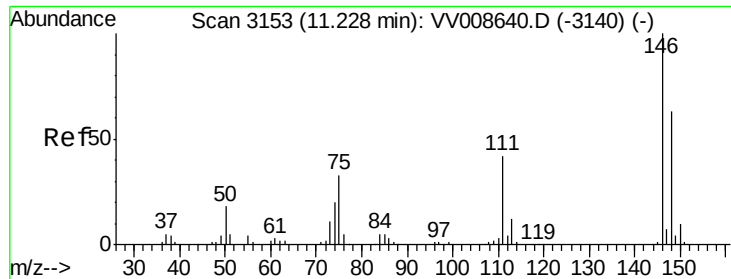
Tgt Ion: 75 Resp: 34559
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.2 37.8



#61
 Bromoform
 Concen: 4.160 ug/L
 RT: 9.78 min Scan# 2702
 Delta R.T. 0.00 min
 Lab File: VV008689.D
 Acq: 21 Nov 2018 09:56

Tgt Ion: 173 Resp: 18818
 Ion Ratio Lower Upper
 173 100
 175 48.7 39.6 59.4
 254 8.4 6.2 9.4





#62

1,3-Dichlorobenzene

Concen: 5.116 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. 0.00 min

Lab File: VV008689.D

Acq: 21 Nov 2018 09:56

Instrument :

MSVOA_V

ClientSampleId :

VSTD00576

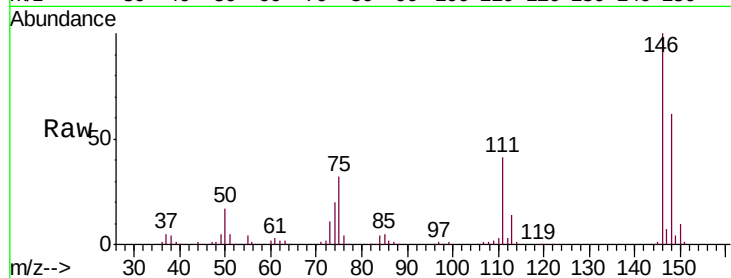
Tgt Ion:146 Resp: 117341

Ion Ratio Lower Upper

146 100

111 41.2 28.1 52.1

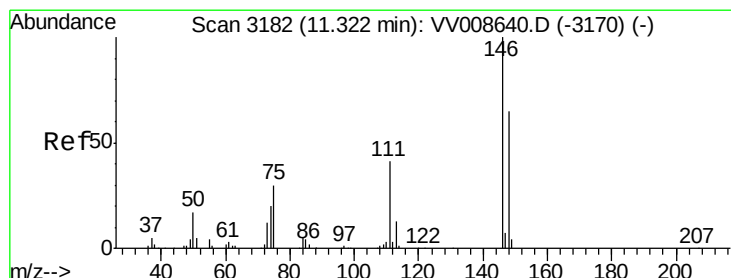
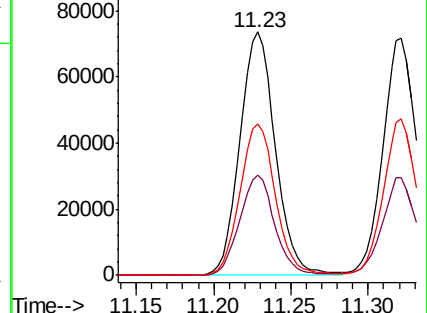
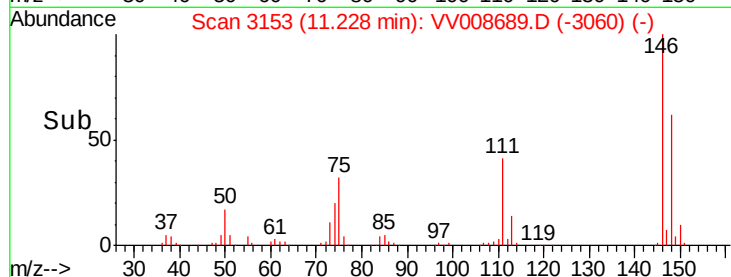
148 62.2 43.0 80.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.013 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VV008689.D

Acq: 21 Nov 2018 09:56

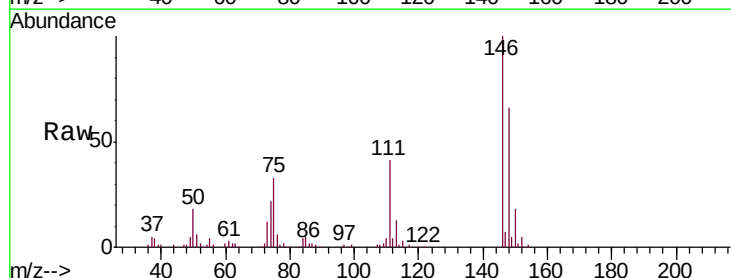
Tgt Ion:146 Resp: 113302

Ion Ratio Lower Upper

146 100

111 41.5 28.2 52.4

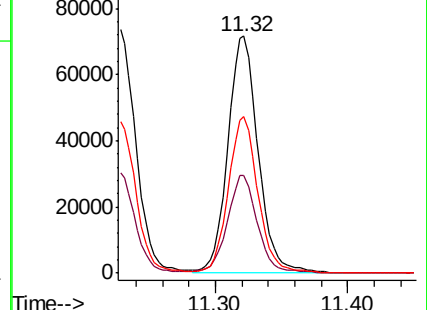
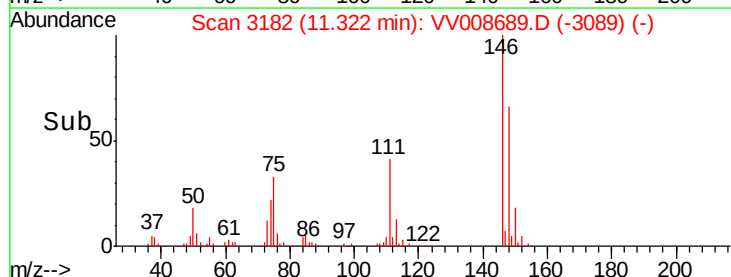
148 65.8 44.1 81.9

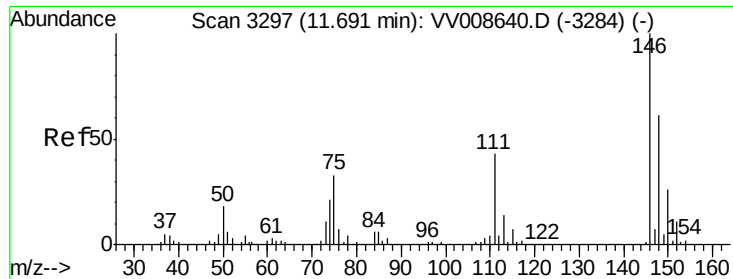


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

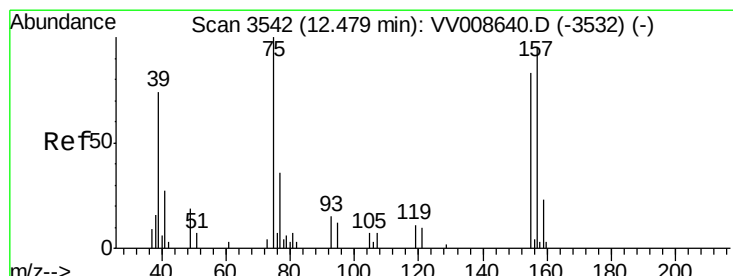
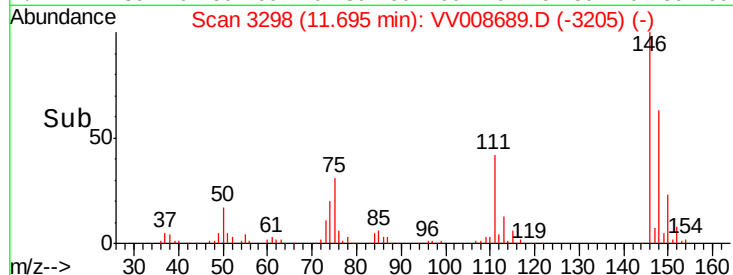
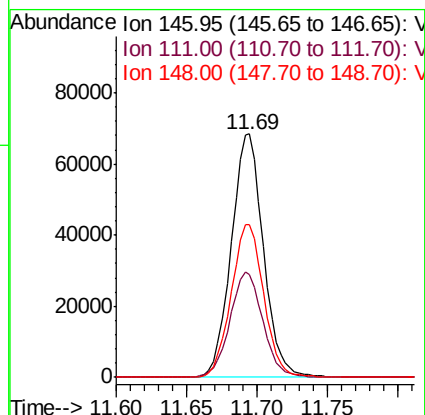
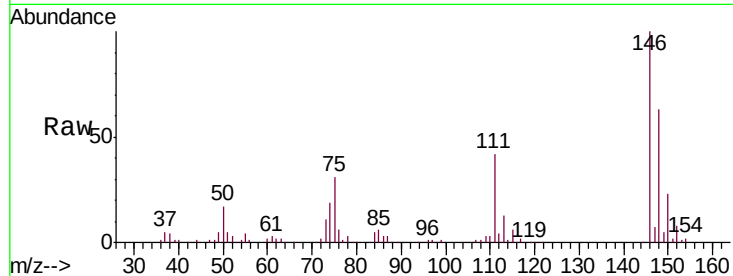




#65
 1,2-Dichlorobenzene
 Concen: 4.989 ug/L
 RT: 11.69 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VV008689.D
 Acq: 21 Nov 2018 09:56

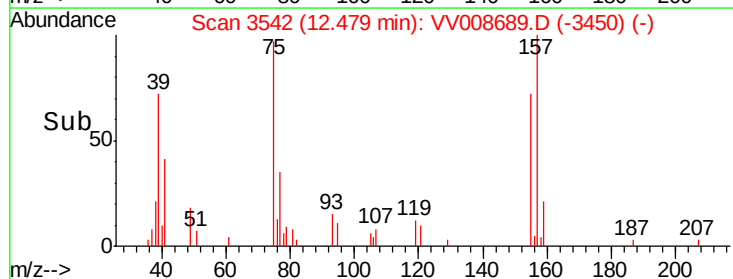
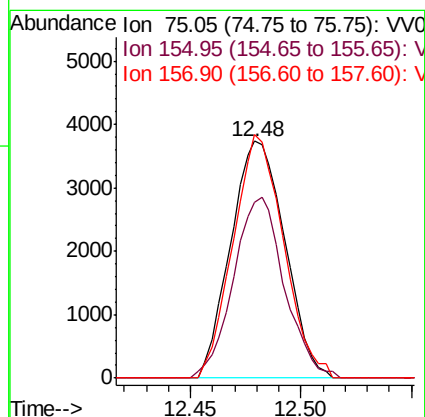
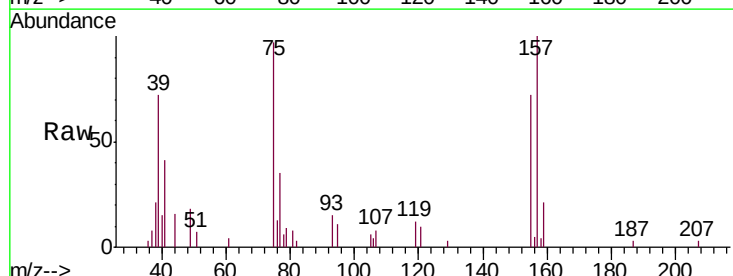
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00576

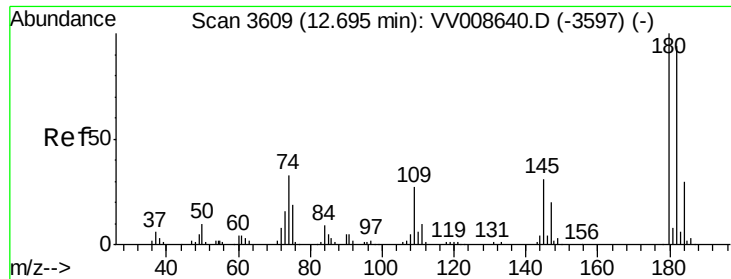
Tgt Ion:146 Resp: 108919
 Ion Ratio Lower Upper
 146 100
 111 42.1 33.5 50.3
 148 62.6 50.0 75.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.538 ug/L
 RT: 12.48 min Scan# 3542
 Delta R.T. -0.00 min
 Lab File: VV008689.D
 Acq: 21 Nov 2018 09:56

Tgt Ion: 75 Resp: 6341
 Ion Ratio Lower Upper
 75 100
 155 74.6 54.2 81.2
 157 102.9 67.4 101.2#

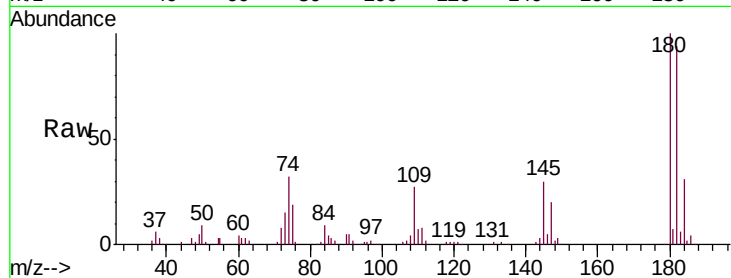




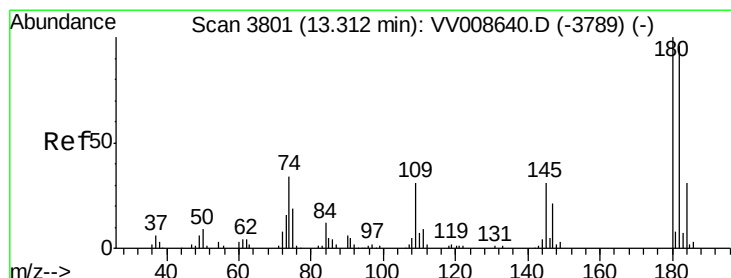
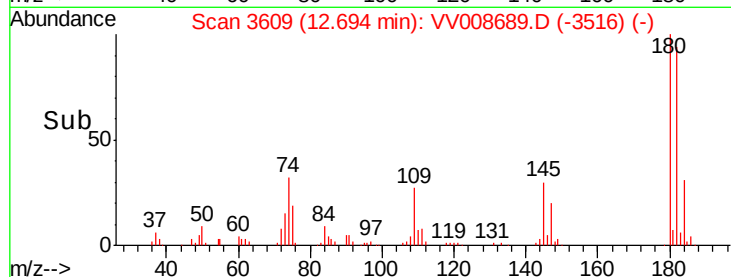
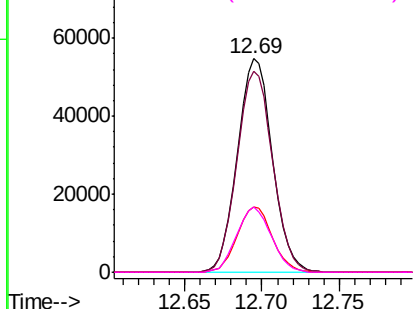
#67
 1,3,5-Trichlorobenzene
 Concen: 5.183 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV008689.D
 Acq: 21 Nov 2018 09:56

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00576

Tgt Ion:180 Resp: 86077
 Ion Ratio Lower Upper
 180 100
 182 95.6 75.9 113.9
 184 30.6 23.9 35.9
 145 30.1 26.8 40.2

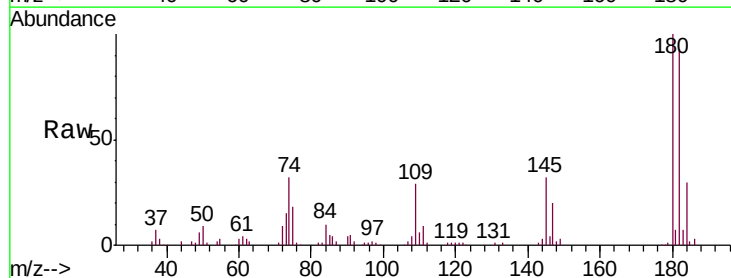


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

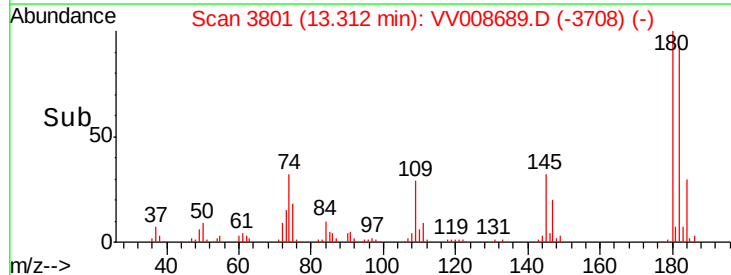
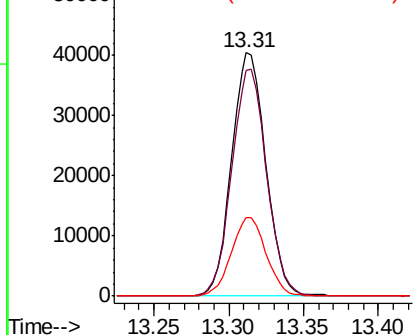


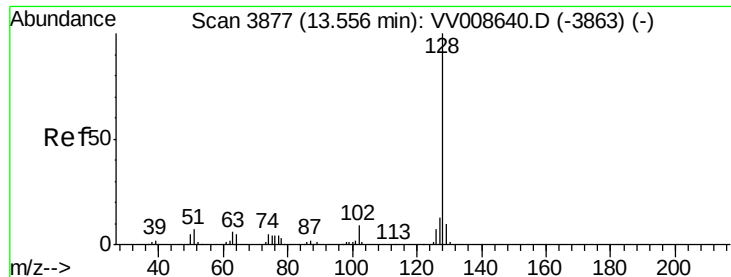
#68
 1,2,4-trichlorobenzene
 Concen: 4.806 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV008689.D
 Acq: 21 Nov 2018 09:56

Tgt Ion:180 Resp: 64318
 Ion Ratio Lower Upper
 180 100
 182 94.8 76.4 114.6
 145 32.9 27.1 40.7



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: 4.271 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. 0.00 min

Lab File: VV008689.D

Acq: 21 Nov 2018 09:56

Instrument :

MSVOA_V

ClientSampleId :

VSTD00576

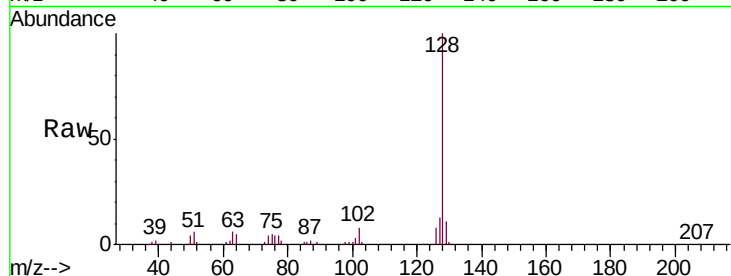
Tgt Ion:128 Resp: 92869

Ion Ratio Lower Upper

128 100

129 10.5 8.8 13.2

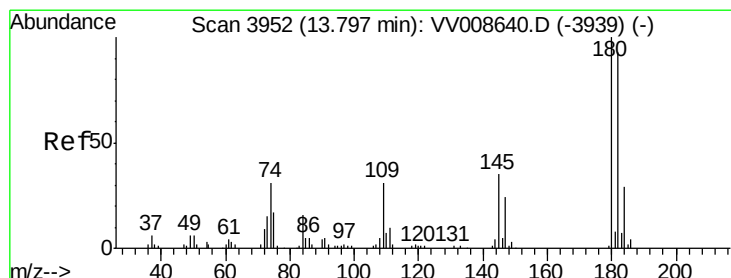
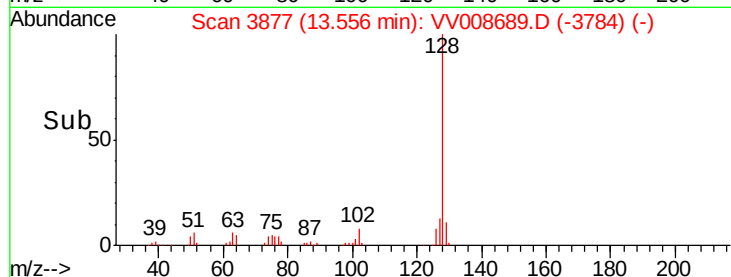
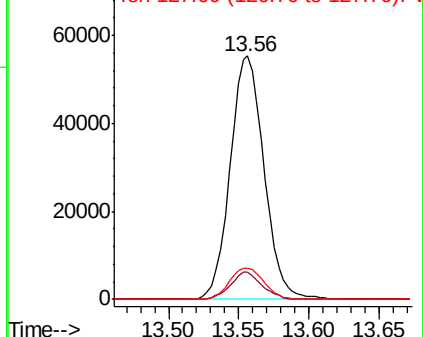
127 13.1 10.0 15.0



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: 4.956 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. 0.00 min

Lab File: VV008689.D

Acq: 21 Nov 2018 09:56

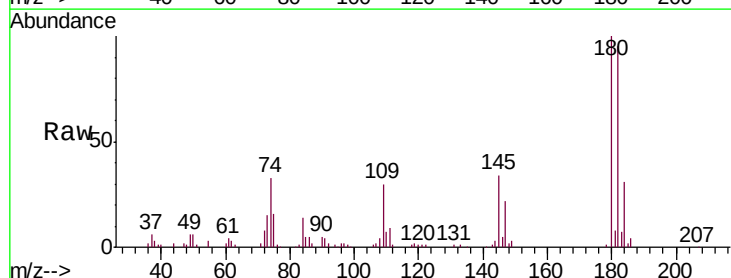
Tgt Ion:180 Resp: 61193

Ion Ratio Lower Upper

180 100

182 94.8 76.0 114.0

145 34.6 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

