

Data File : VV008889.D
Acq On : 10 Dec 2018 15:31
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00574

Quant Time: Dec 11 03:24:34 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR120518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 11 03:21:37 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	127180	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	118249	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	60315	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	22321	3.29	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	65.80%
7) Chloroethane-d5	1.58	69	19694	3.94	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.80%
11) 1,1-Dichloroethene-d2	2.13	63	63275	4.84	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.80%
20) 2-Butanone-d5	3.98	46	74691	44.59	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	89.18%
24) Chloroform-d	4.40	84	65835	4.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.60%
26) 1,2-Dichloroethane-d4	5.09	65	31474	4.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.40%
32) Benzene-d6	5.10	84	125319	4.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.00%
36) 1,2-Dichloropropane-d6	6.12	67	37314	4.11	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	82.20%
41) Toluene-d8	7.36	98	117865	4.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.60%
43) trans-1,3-Dichloropropene-	7.67	79	15271	4.46	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.20%
46) 2-Hexanone-d5	8.14	63	61518	47.12	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.24%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	26391	4.34	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	45634	4.11	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	82.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	57393	4.750	ug/L 99
3) Chloromethane	1.25	50	36437	4.552	ug/L 98
5) Vinyl chloride	1.32	62	38066	4.667	ug/L 97
6) Bromomethane	1.54	94	24042	5.028	ug/L 98
8) Chloroethane	1.60	64	21422	4.675	ug/L 97
9) Trichlorofluoromethane	1.77	101	67222	5.114	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	41821	5.847	ug/L 99
12) 1,1-Dichloroethene	2.14	96	37656	6.043	ug/L 94
13) Acetone	2.24	43	52255	56.042	ug/L 91
14) Carbon disulfide	2.32	76	115004	6.133	ug/L 97
15) Methyl Acetate	2.47	43	13552	6.580	ug/L 92
16) Methylene chloride	2.54	84	37757	5.610	ug/L 96
17) Methyl tert-butyl Ether	2.81	73	89323	5.838	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	40017	5.875	ug/L 96
19) 1,1-Dichloroethane	3.23	63	73922	4.966	ug/L 98
21) 2-Butanone	4.06	43	82750	47.256	ug/L 98
22) cis-1,2-Dichloroethene	3.96	96	46433	4.980	ug/L 97

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 11 03:21:37 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	19777	5.015	ug/L	93
25) Chloroform	4.43	83	77238	4.787	ug/L	99
27) 1,2-Dichloroethane	5.18	62	45756	4.969	ug/L	100
29) 1,1,1-Trichloroethane	4.66	97	70348	5.023	ug/L	98
30) Cyclohexane	4.72	56	66669	4.953	ug/L	100
31) Carbon tetrachloride	4.87	117	63948	5.073	ug/L	98
33) Benzene	5.15	78	167365	4.978	ug/L	100
34) Trichloroethene	5.96	95	48562	4.966	ug/L	97
35) Methylcyclohexane	6.17	83	74318	4.804	ug/L	99
37) 1,2-Dichloropropane	6.22	63	39204	4.758	ug/L	99
38) Bromodichloromethane	6.56	83	50959	5.025	ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	57834	5.009	ug/L	100
40) 4-Methyl-2-pentanone	7.28	43	206536	49.414	ug/L	99
42) Toluene	7.43	91	180145	4.964	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	47142	5.263	ug/L	94
45) 1,1,2-Trichloroethane	7.88	97	28363	4.903	ug/L	98
47) Tetrachloroethene	8.02	164	39891	5.085	ug/L	98
48) 2-Hexanone	8.19	43	147347	50.009	ug/L	99
49) Dibromochloromethane	8.29	129	35389	5.230	ug/L	100
50) 1,2-Dibromoethane	8.40	107	27946	5.156	ug/L #	99
51) Chlorobenzene	8.93	112	119778	5.016	ug/L	99
52) Ethylbenzene	9.05	91	199109	5.025	ug/L	100
53) m,p-xylene	9.18	106	77477	5.119	ug/L	100
54) o-xylene	9.59	106	73120	5.065	ug/L	99
55) Styrene	9.60	104	125193	5.242	ug/L	98
56) Isopropylbenzene	9.97	105	202241	5.178	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	28933	4.956	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	24504	4.983	ug/L	99
61) Bromoform	9.78	173	18320	5.105	ug/L	96
62) 1,3-Dichlorobenzene	11.23	146	95212	4.882	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	96919	4.862	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	87793	4.874	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	4351	4.812	ug/L	88
67) 1,3,5-Trichlorobenzene	12.69	180	73142	5.038	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	55346	5.132	ug/L	99
69) Naphthalene	13.56	128	75890	4.847	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	50933	5.045	ug/L	98

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

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ClientSampleId :
VSTD00574

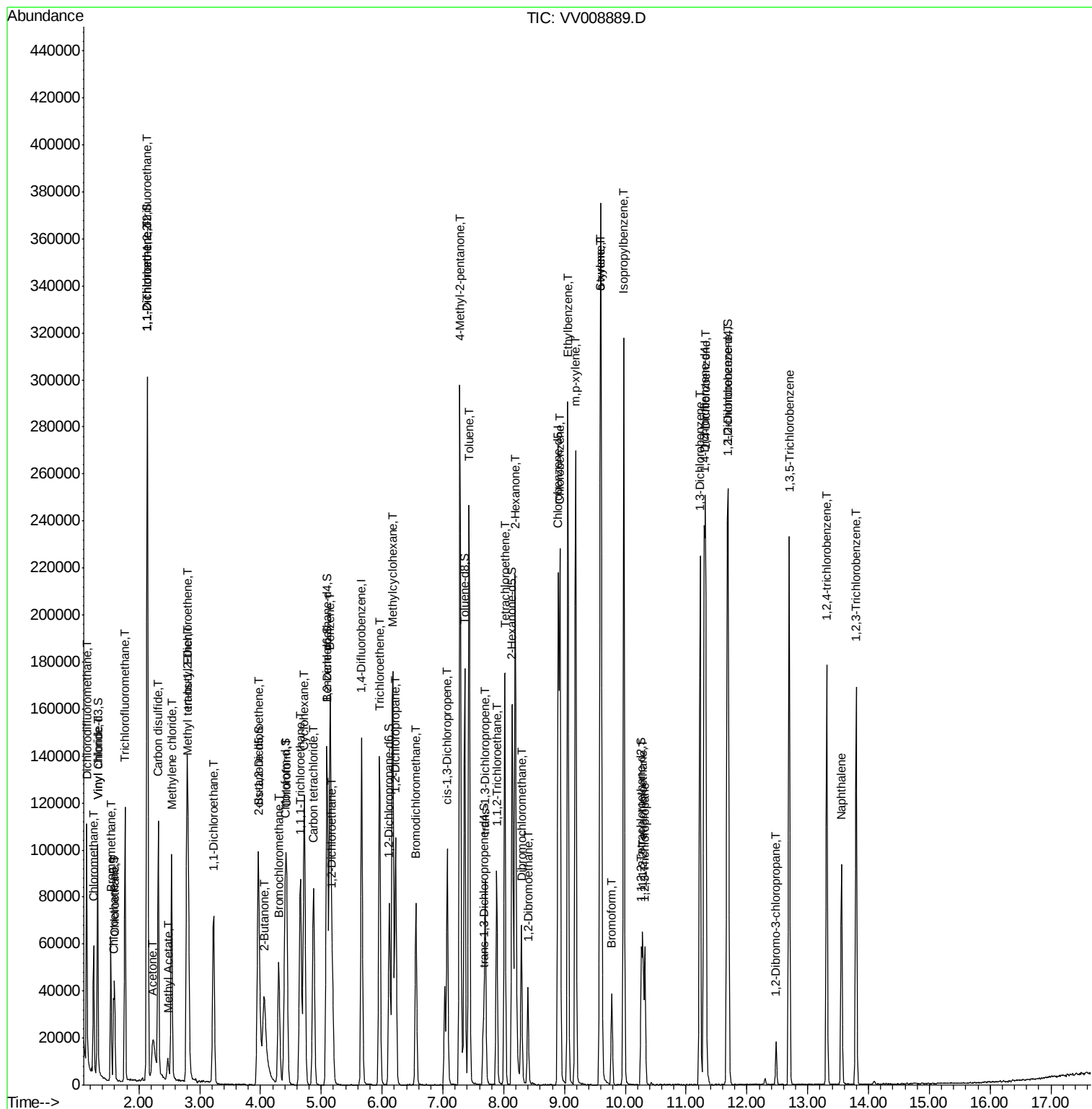
Quant Time: Dec 11 03:24:34 2018

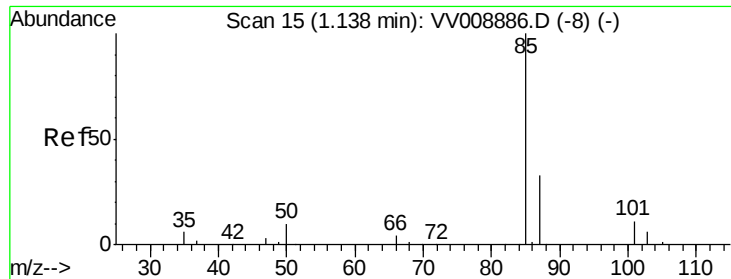
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0MVTR120518WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Tue Dec 11 03:21:37 2018

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 4.750 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV008889.D

Acq: 10 Dec 2018 15:31

Instrument :

MSVOA_V

ClientSampleId :

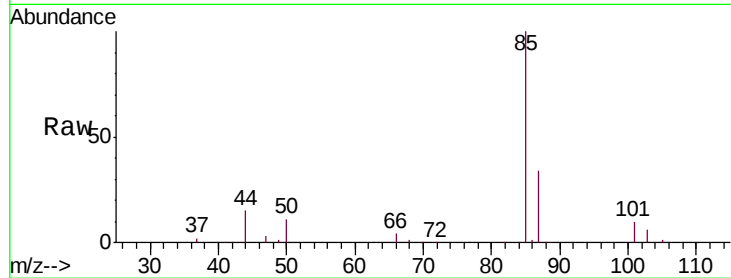
VSTD00574

Tgt Ion: 85 Resp: 57393

Ion Ratio Lower Upper

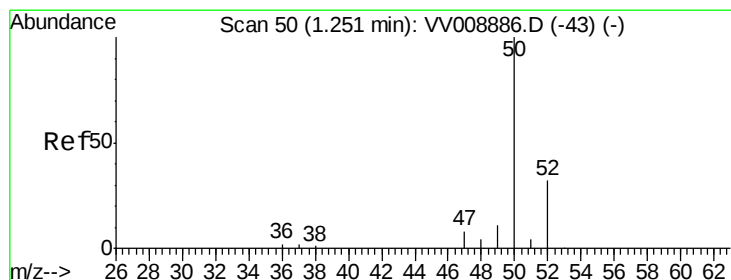
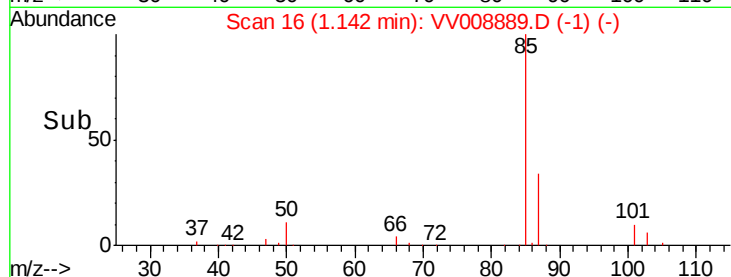
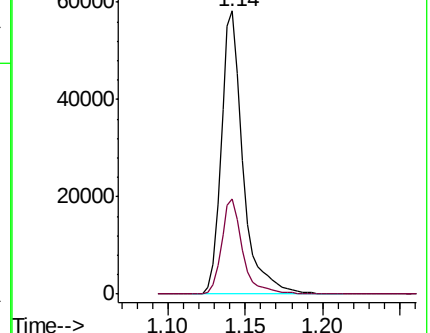
85 100

87 32.6 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VV008886.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV008886.D (-8) (-)



#3

Chloromethane

Concen: 4.552 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV008889.D

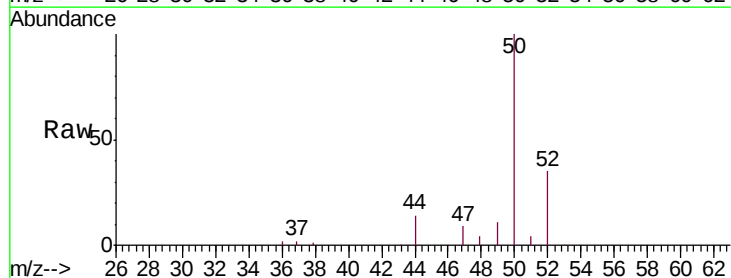
Acq: 10 Dec 2018 15:31

Tgt Ion: 50 Resp: 36437

Ion Ratio Lower Upper

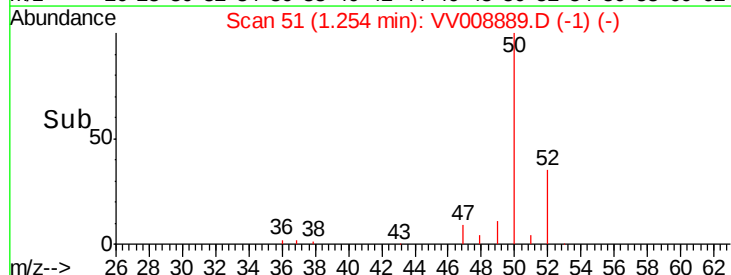
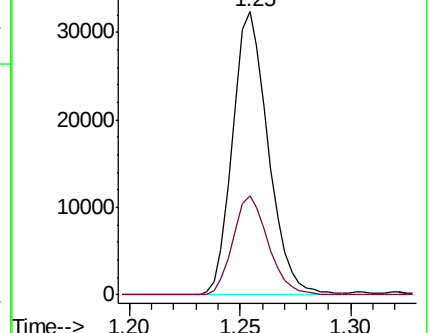
50 100

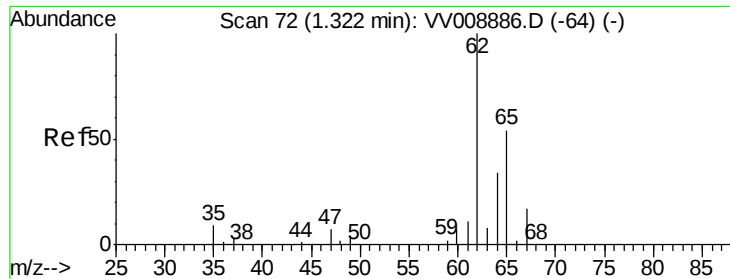
52 35.1 23.9 44.5



Abundance Ion 50.05 (49.75 to 50.75): VV008886.D (-43) (-)

Ion 52.05 (51.75 to 52.75): VV008886.D (-43) (-)





#5

Vinyl chloride

Concen: 4.667 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV008889.D

Acq: 10 Dec 2018 15:31

Instrument :

MSVOA_V

ClientSampleId :

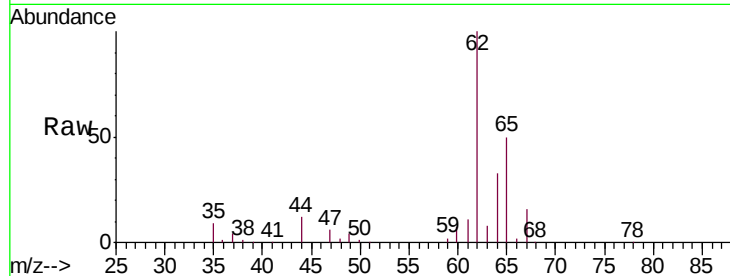
VSTD00574

Tgt Ion: 62 Resp: 38066

Ion Ratio Lower Upper

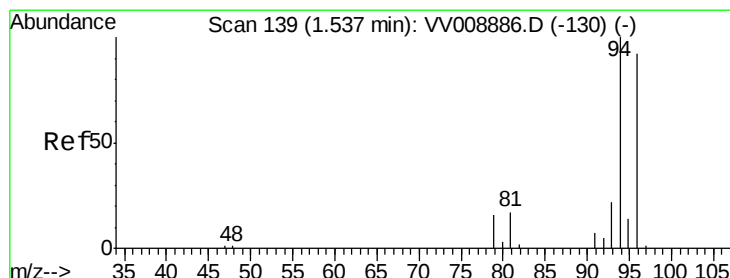
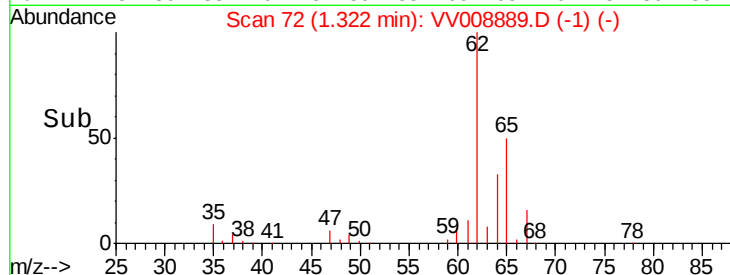
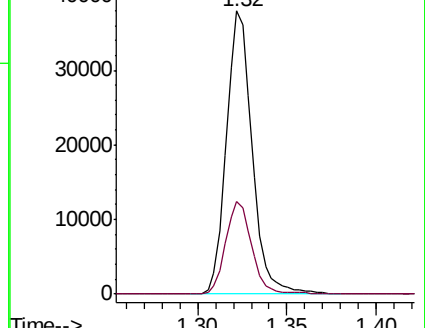
62 100

64 32.6 23.9 44.3



Abundance Ion 62.00 (61.70 to 62.70): VV008886.D (-64) (-)

Ion 64.10 (63.80 to 64.80): VV008889.D (-46) (-)



#6

Bromomethane

Concen: 5.028 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV008889.D

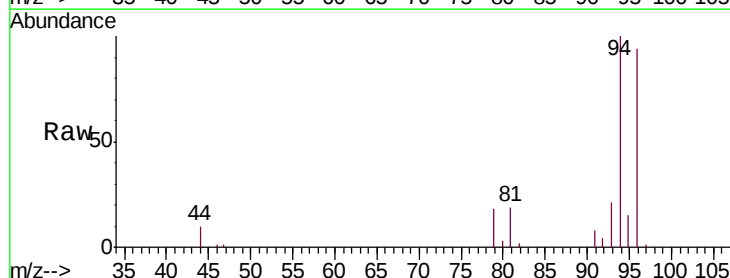
Acq: 10 Dec 2018 15:31

Tgt Ion: 94 Resp: 24042

Ion Ratio Lower Upper

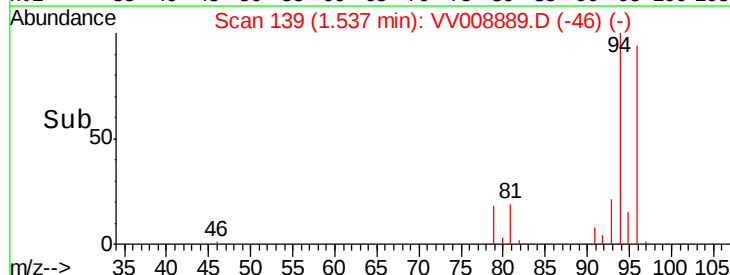
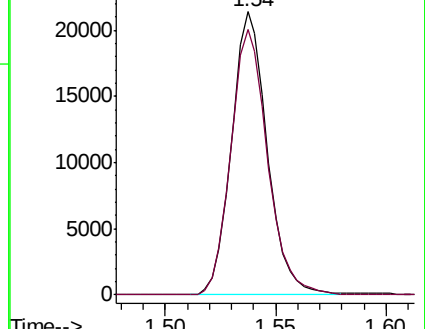
94 100

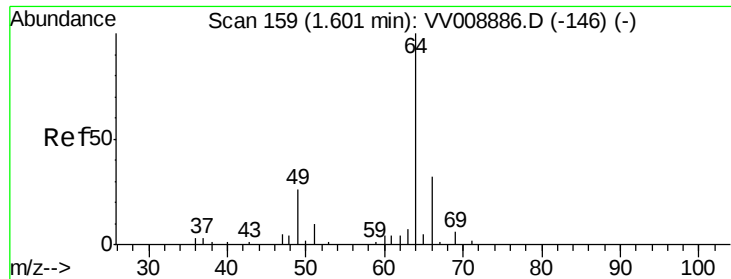
96 93.6 67.0 124.4



Abundance Ion 94.00 (93.70 to 94.70): VV008886.D (-130) (-)

Ion 96.00 (95.70 to 96.70): VV008889.D (-46) (-)

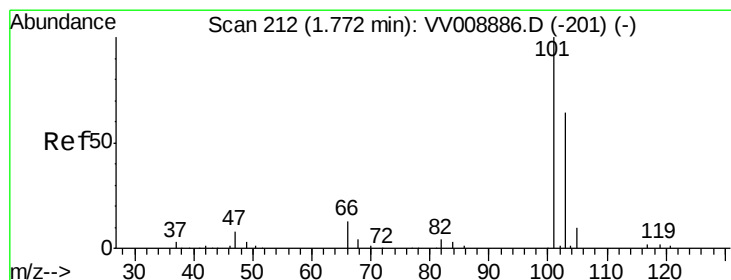
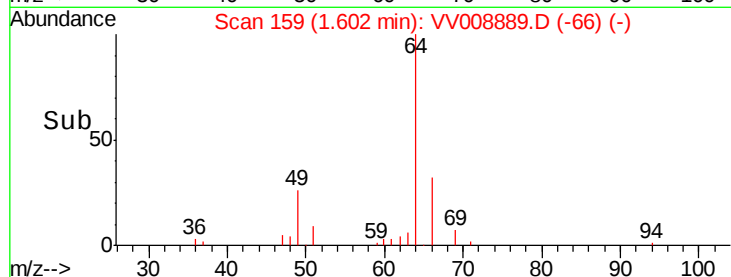
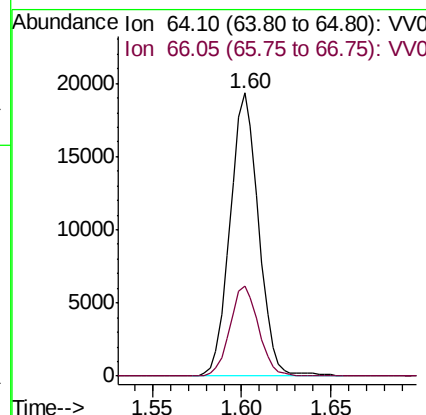
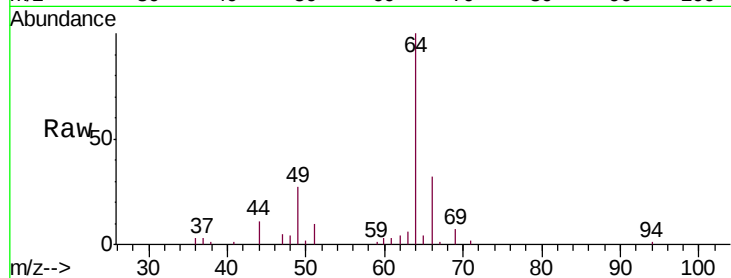




#8
Chloroethane
Concen: 4.675 ug/L
RT: 1.60 min Scan# 159
Delta R.T. 0.00 min
Lab File: VV008889.D
Acq: 10 Dec 2018 15:31

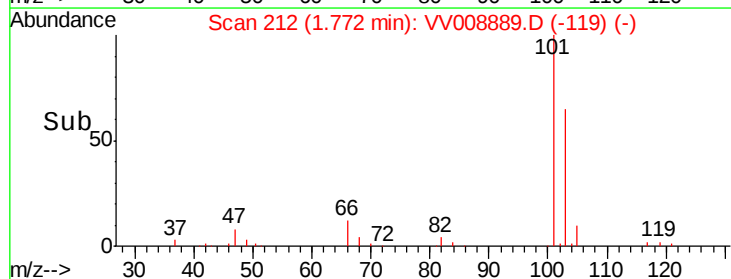
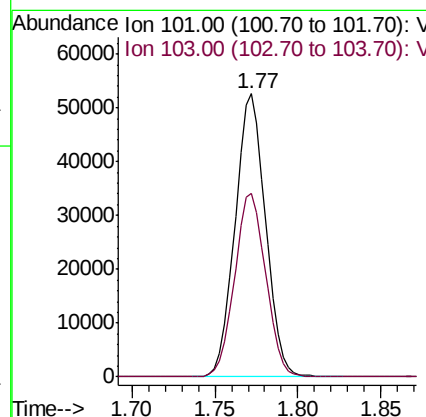
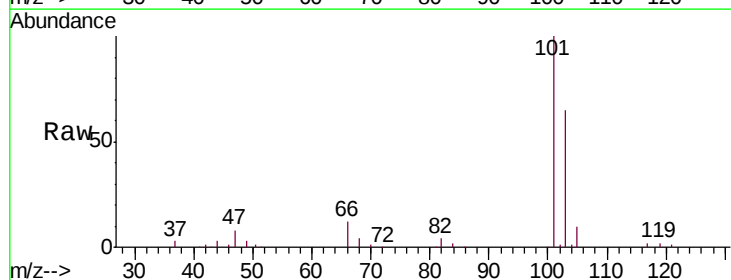
Instrument :
MSVOA_V
ClientSampleId :
VSTD00574

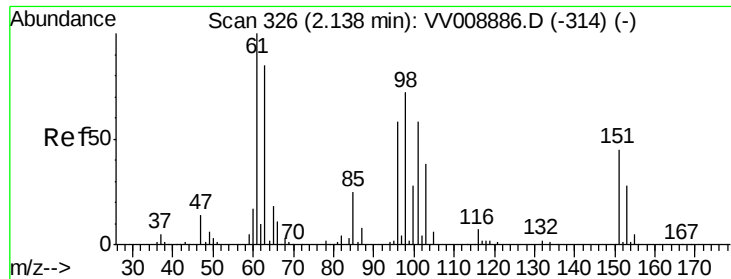
Tgt Ion: 64 Resp: 21422
Ion Ratio Lower Upper
64 100
66 31.8 23.4 43.6



#9
Trichlorofluoromethane
Concen: 5.114 ug/L
RT: 1.77 min Scan# 212
Delta R.T. 0.00 min
Lab File: VV008889.D
Acq: 10 Dec 2018 15:31

Tgt Ion: 101 Resp: 67222
Ion Ratio Lower Upper
101 100
103 66.5 52.5 78.7





#10

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

Concen: 5.847 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV008889.D

Acq: 10 Dec 2018 15:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD00574

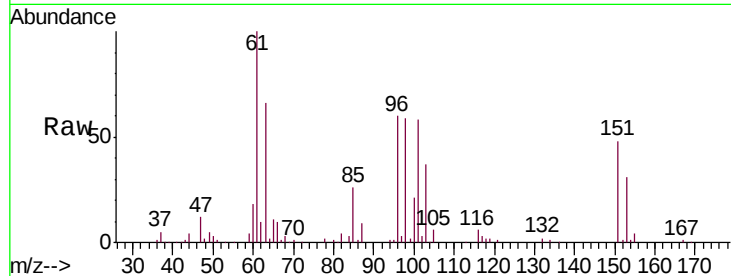
Tgt Ion: 101 Resp: 41821

Ion Ratio Lower Upper

101 100

85 44.3 35.0 52.6

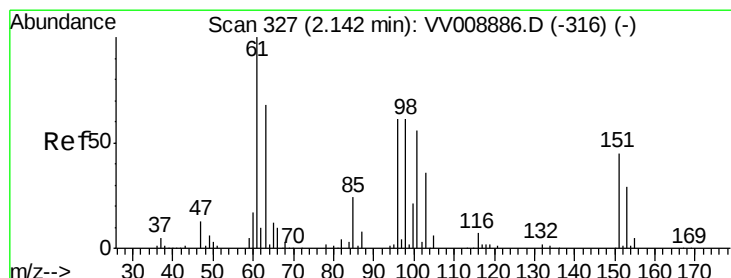
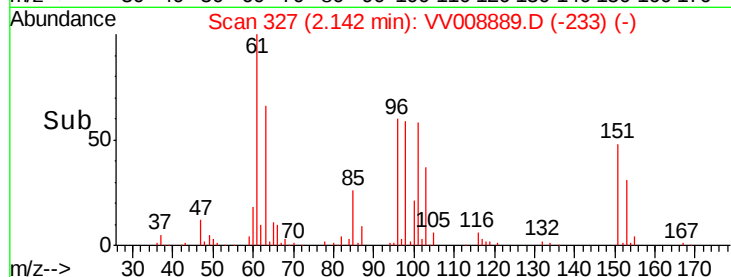
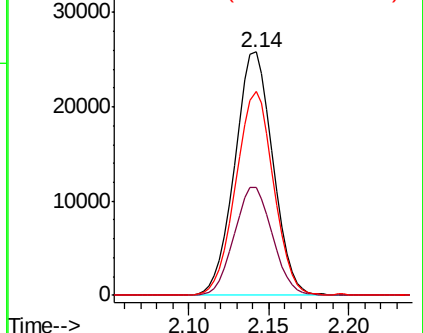
151 82.9 65.1 97.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 6.043 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV008889.D

Acq: 10 Dec 2018 15:31

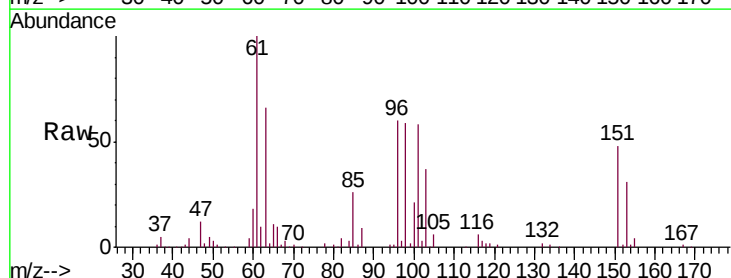
Tgt Ion: 96 Resp: 37656

Ion Ratio Lower Upper

96 100

61 166.9 120.8 224.4

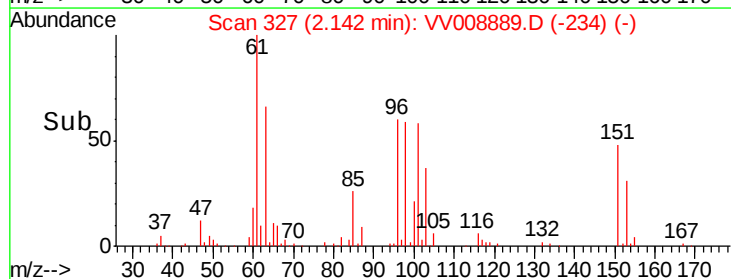
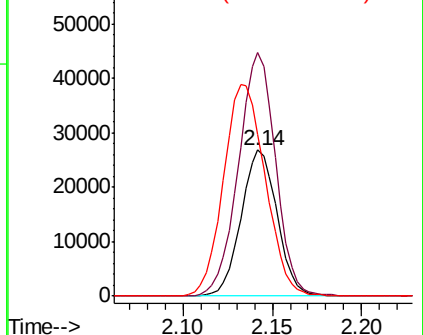
63 110.6 85.0 158.0

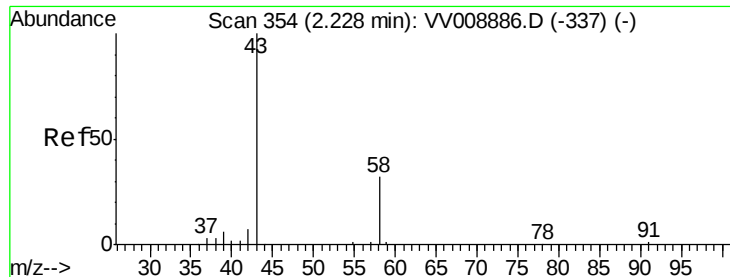


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 56.042 ug/L

RT: 2.24 min Scan# 357

Delta R.T. 0.01 min

Lab File: VV008889.D

Acq: 10 Dec 2018 15:31

Instrument :

MSVOA_V

ClientSampleId :

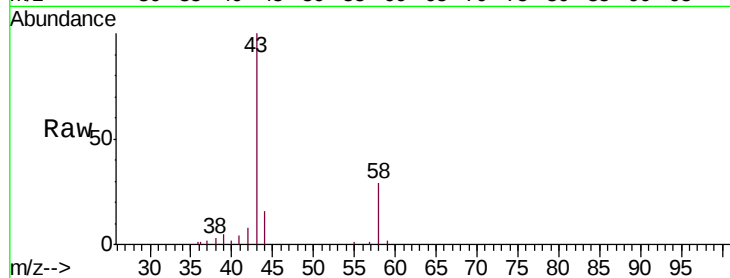
VSTD00574

Tgt Ion: 43 Resp: 52255

Ion Ratio Lower Upper

43 100

58 30.9 0.0 52.4



Abundance Ion 43.05 (42.75 to 43.75): VV008886.D (-337) (-)

Ion 58.05 (57.75 to 58.75): VV008889.D (-261) (-)

2.24

12000

10000

8000

6000

4000

2000

0

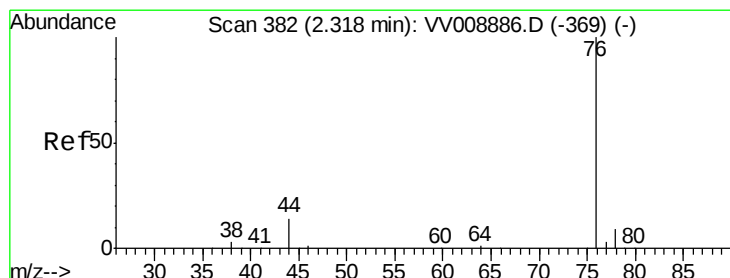
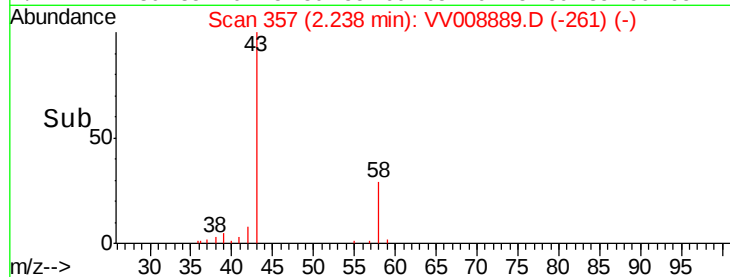
Time-->

2.10

2.20

2.30

2.40



#14

Carbon disulfide

Concen: 6.133 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV008889.D

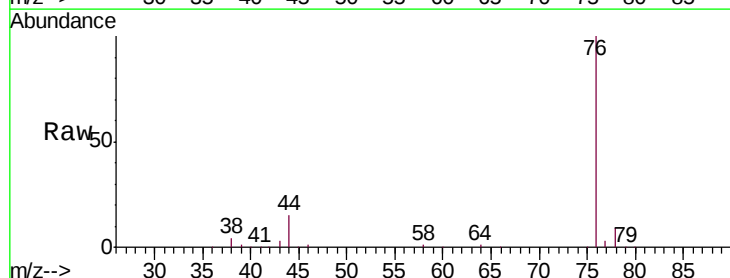
Acq: 10 Dec 2018 15:31

Tgt Ion: 76 Resp: 115004

Ion Ratio Lower Upper

76 100

78 9.0 8.0 12.0



Abundance Ion 76.05 (75.75 to 76.75): VV008886.D (-369) (-)

Ion 78.00 (77.70 to 78.70): VV008889.D (-289) (-)

2.32

80000

60000

40000

20000

0

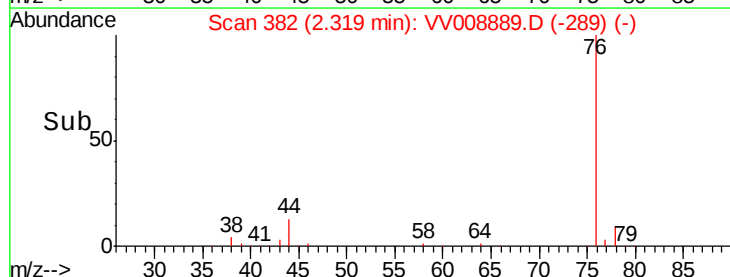
Time-->

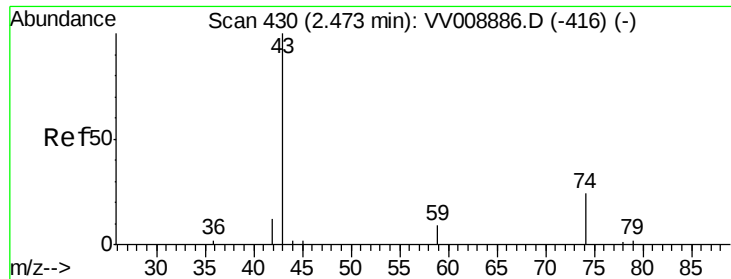
2.25

2.30

2.35

2.40

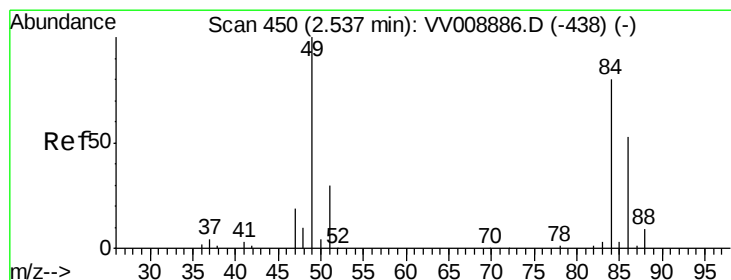
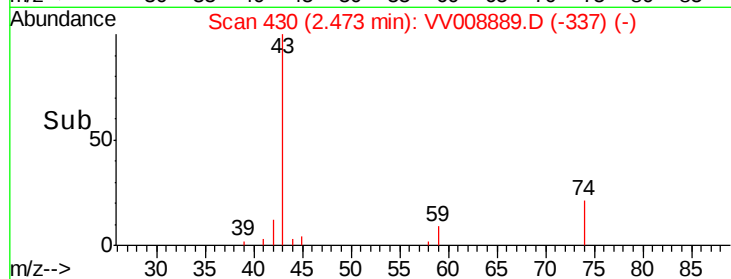
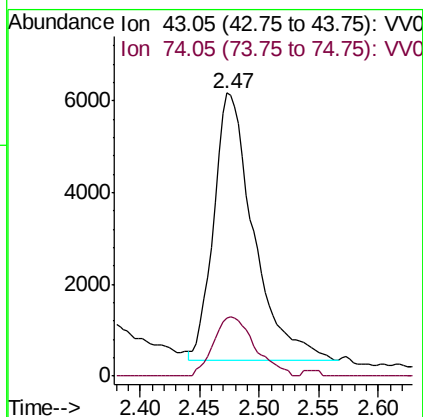
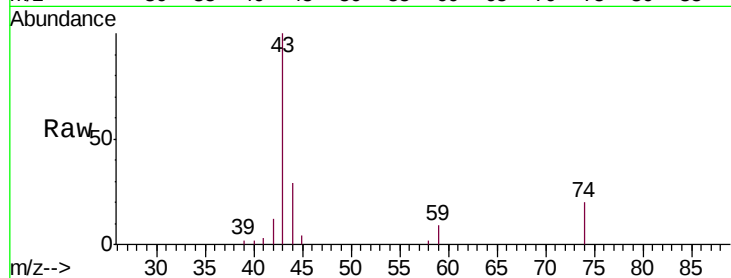




#15
Methyl Acetate
Concen: 6.580 ug/L
RT: 2.47 min Scan# 430
Delta R.T. 0.00 min
Lab File: VV008889.D
Acq: 10 Dec 2018 15:31

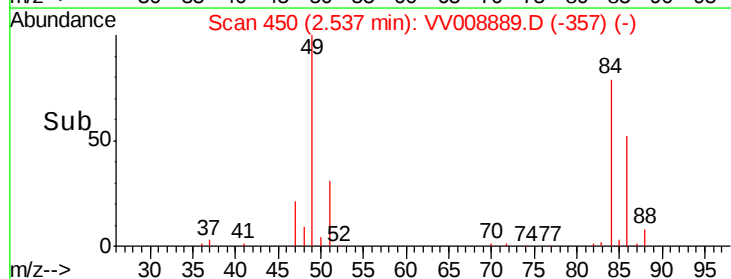
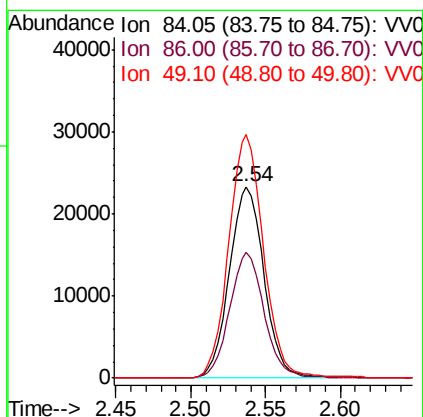
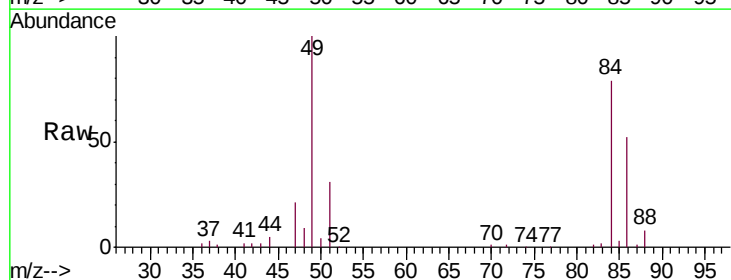
Instrument :
MSVOA_V
ClientSampleId :
VSTD00574

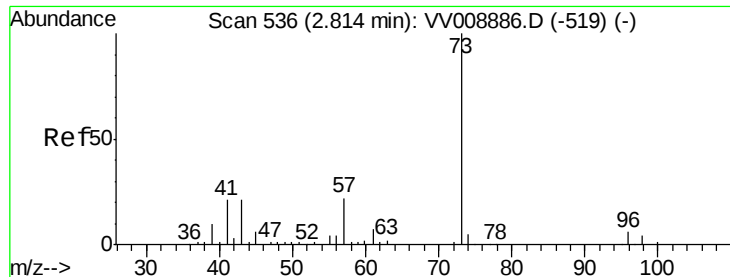
Tgt Ion: 43 Resp: 13552
Ion Ratio Lower Upper
43 100
74 22.8 21.8 32.6



#16
Methylene chloride
Concen: 5.610 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV008889.D
Acq: 10 Dec 2018 15:31

Tgt Ion: 84 Resp: 37757
Ion Ratio Lower Upper
84 100
86 65.9 46.7 86.7
49 127.0 84.8 157.4

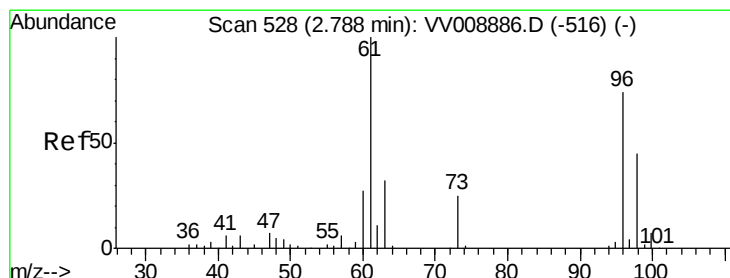
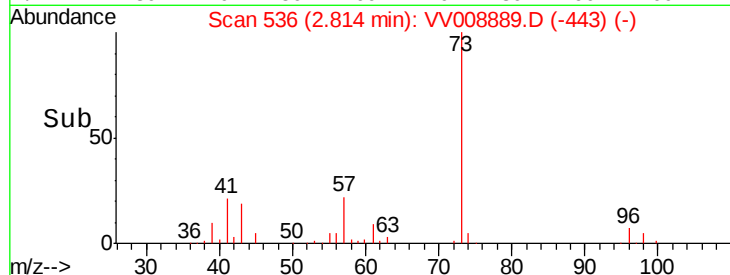
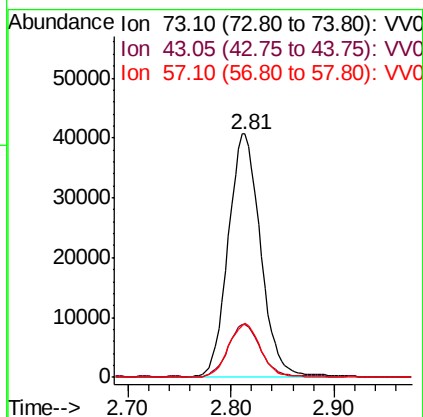
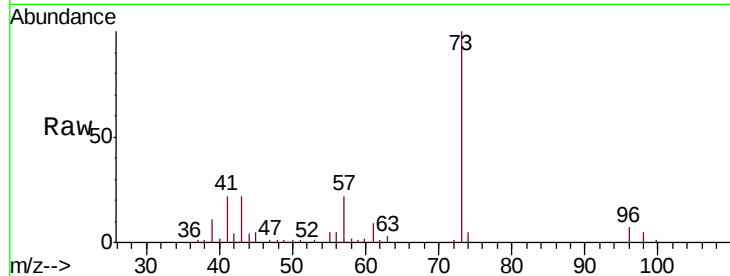




#17
Methyl tert-butyl Ether
Concen: 5.838 ug/L
RT: 2.81 min Scan# 536
Delta R.T. 0.00 min
Lab File: VV008889.D
Acq: 10 Dec 2018 15:31

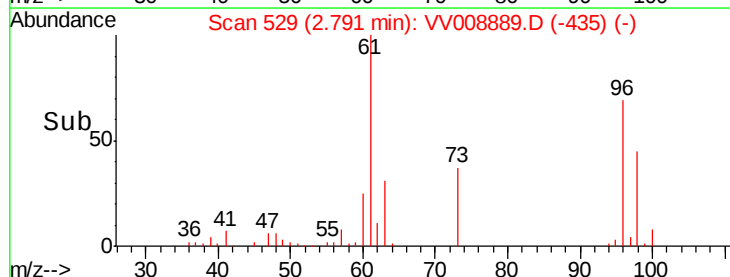
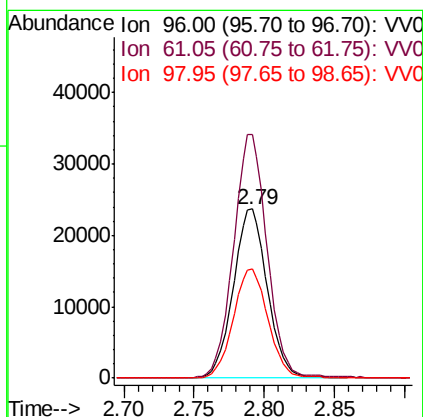
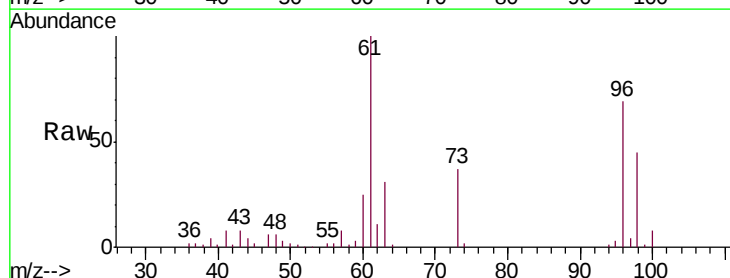
Instrument :
MSVOA_V
ClientSampleId :
VSTD00574

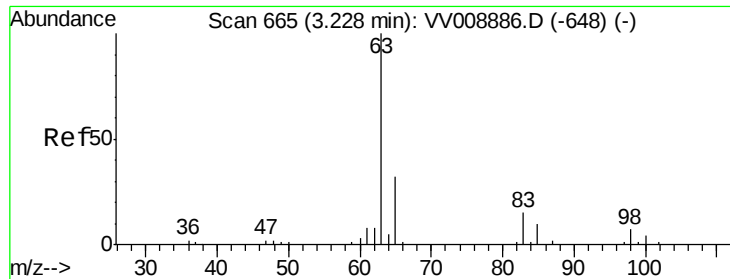
Tgt Ion: 73 Resp: 89323
Ion Ratio Lower Upper
73 100
43 21.4 17.3 25.9
57 21.9 16.8 25.2



#18
trans-1,2-Dichloroethene
Concen: 5.875 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV008889.D
Acq: 10 Dec 2018 15:31

Tgt Ion: 96 Resp: 40017
Ion Ratio Lower Upper
96 100
61 144.0 103.0 191.4
98 64.4 48.9 90.9

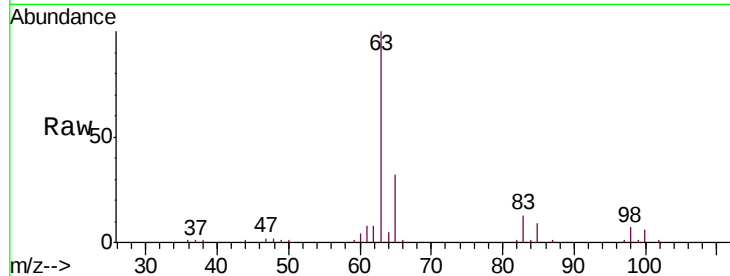




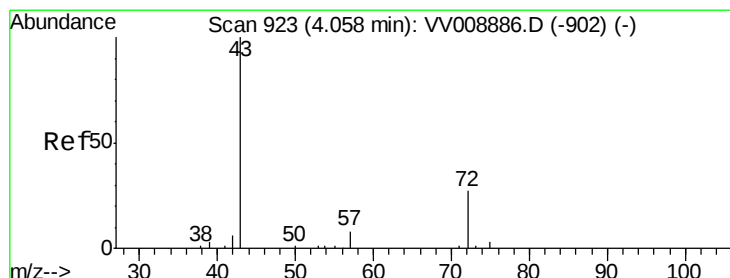
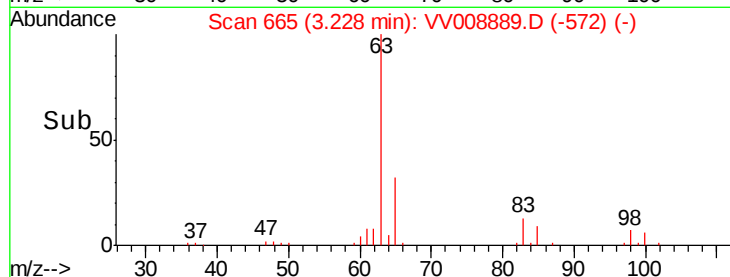
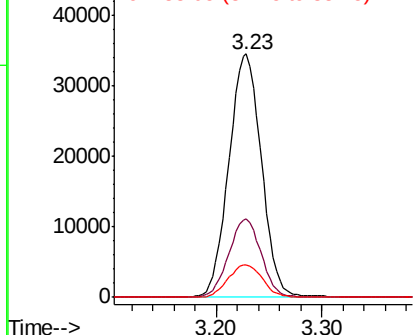
#19
 1,1-Dichloroethane
 Concen: 4.966 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV008889.D
 Acq: 10 Dec 2018 15:31

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00574

Tgt Ion: 63 Resp: 73922
 Ion Ratio Lower Upper
 63 100
 65 32.4 22.0 40.8
 83 13.5 10.1 18.7

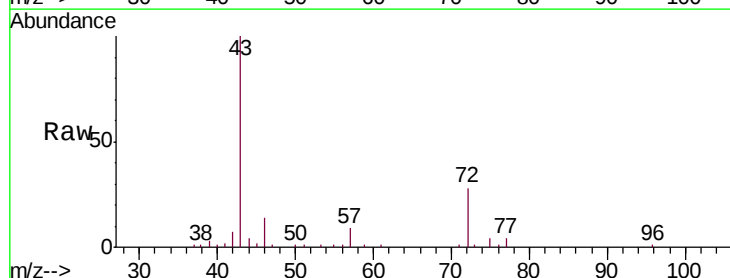


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

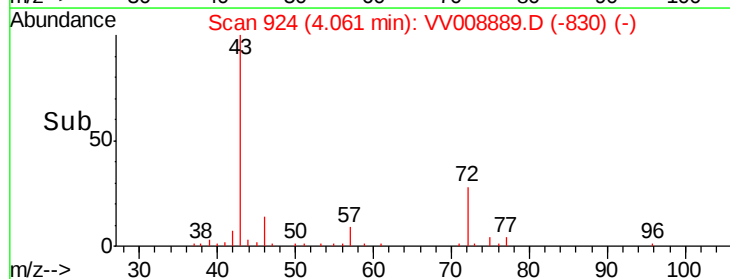
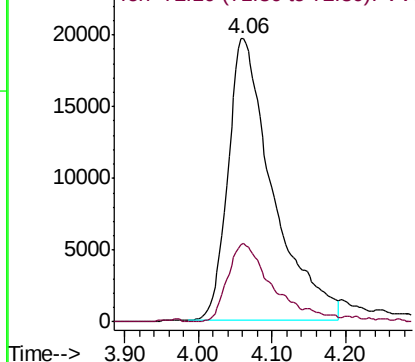


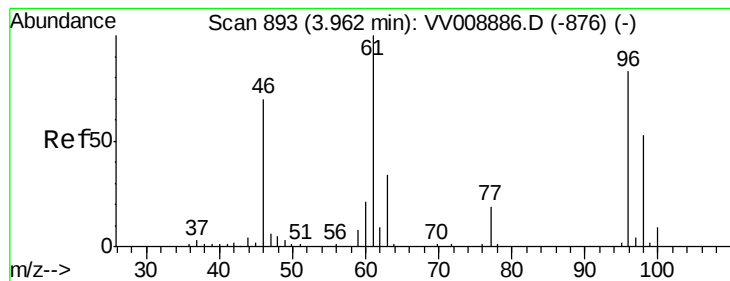
#21
 2-Butanone
 Concen: 47.256 ug/L
 RT: 4.06 min Scan# 924
 Delta R.T. 0.00 min
 Lab File: VV008889.D
 Acq: 10 Dec 2018 15:31

Tgt Ion: 43 Resp: 82750
 Ion Ratio Lower Upper
 43 100
 72 26.1 13.7 41.1



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



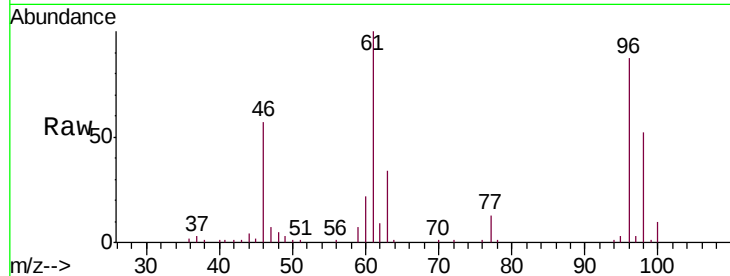


#22

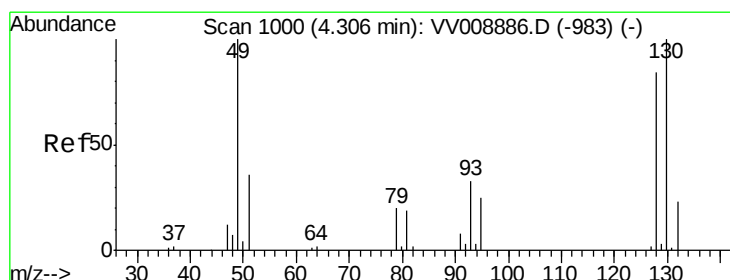
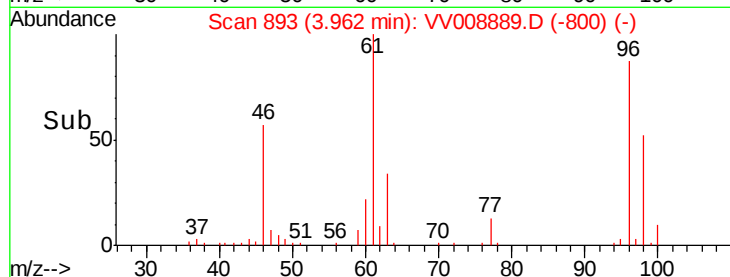
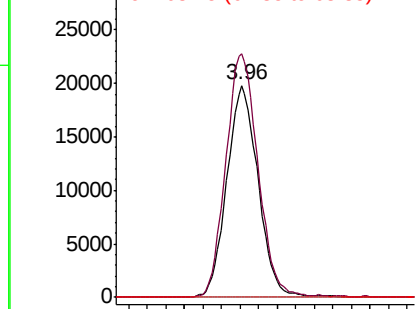
cis-1,2-Dichloroethene
 Concen: 4.980 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV008889.D
 Acq: 10 Dec 2018 15:31

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00574

Tgt Ion: 96 Resp: 46433
 Ion Ratio Lower Upper
 96 100
 61 115.0 83.2 154.6
 68 0.0 0.0 0.0



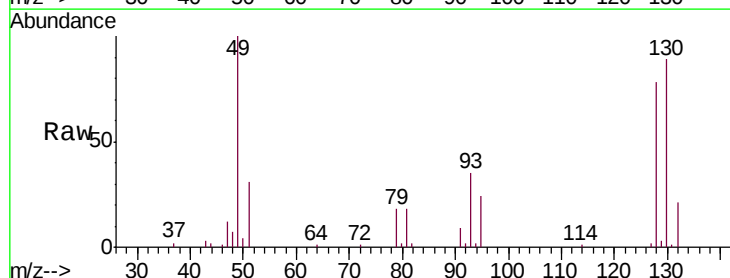
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



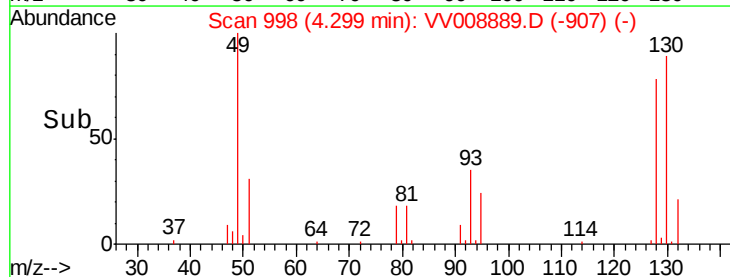
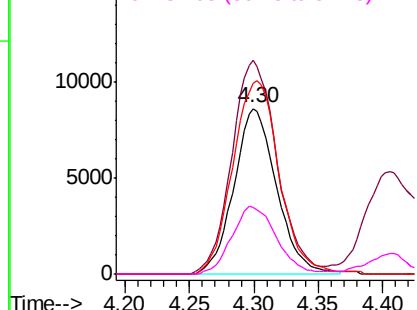
#23

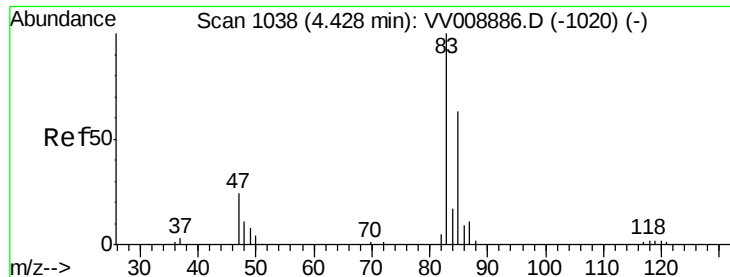
Bromochloromethane
 Concen: 5.015 ug/L
 RT: 4.30 min Scan# 998
 Delta R.T. -0.01 min
 Lab File: VV008889.D
 Acq: 10 Dec 2018 15:31

Tgt Ion: 128 Resp: 19777
 Ion Ratio Lower Upper
 128 100
 49 128.8 98.1 182.3
 130 114.9 84.2 156.4
 51 40.0 35.4 53.2



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

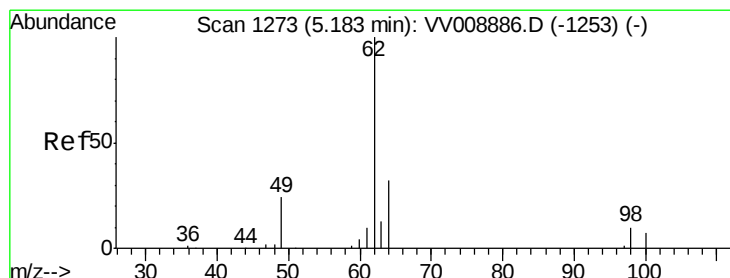
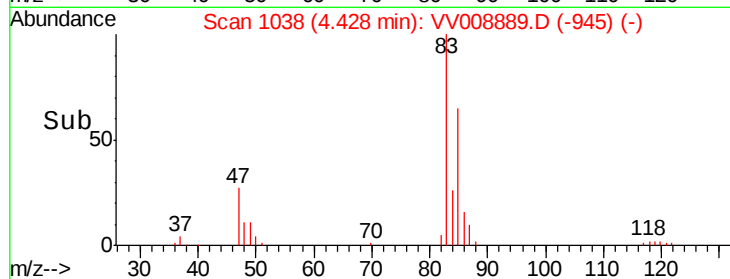
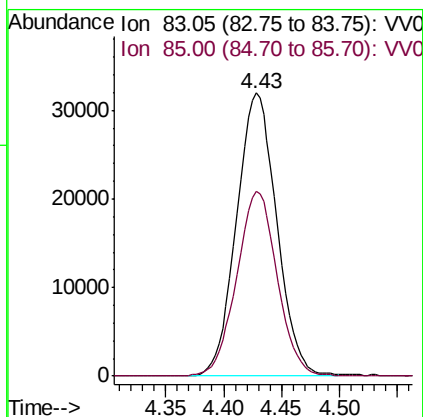
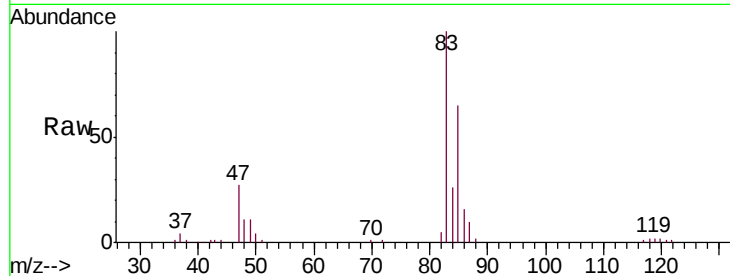




#25
Chloroform
Concen: 4.787 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV008889.D
Acq: 10 Dec 2018 15:31

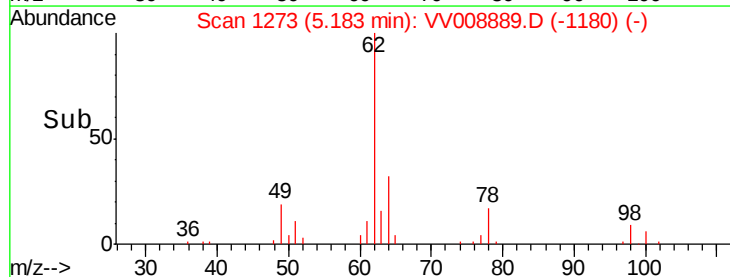
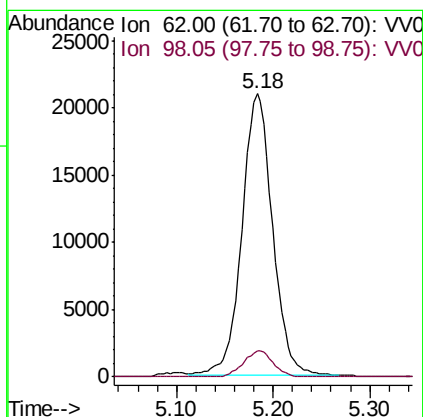
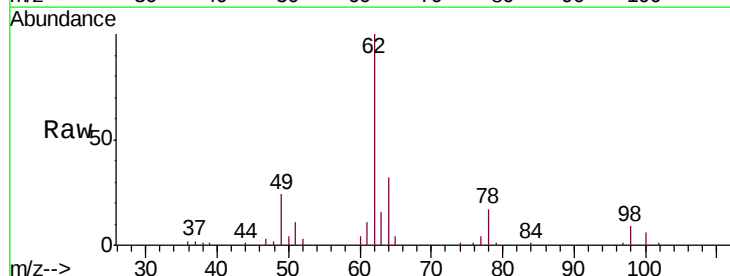
Instrument :
MSVOA_V
ClientSampleId :
VSTD00574

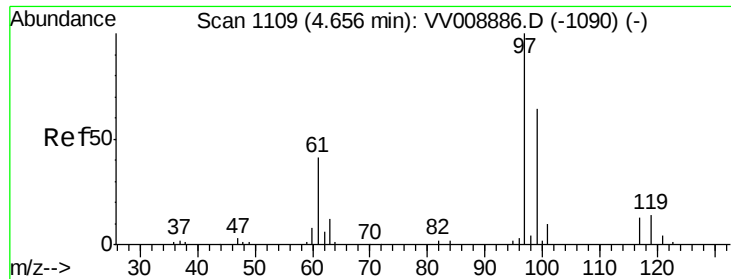
Tgt Ion: 83 Resp: 77238
Ion Ratio Lower Upper
83 100
85 65.1 44.9 83.5



#27
1,2-Dichloroethane
Concen: 4.969 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VV008889.D
Acq: 10 Dec 2018 15:31

Tgt Ion: 62 Resp: 45756
Ion Ratio Lower Upper
62 100
98 9.1 7.3 10.9

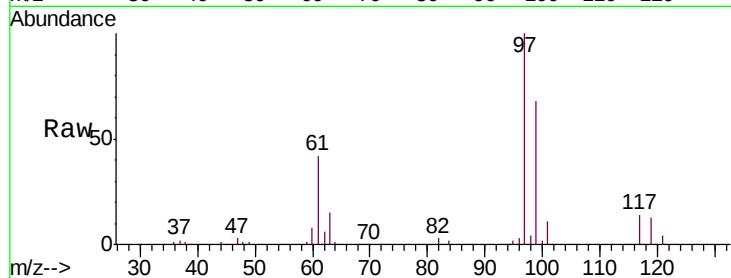




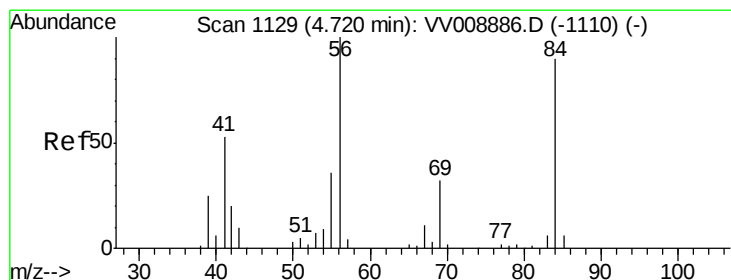
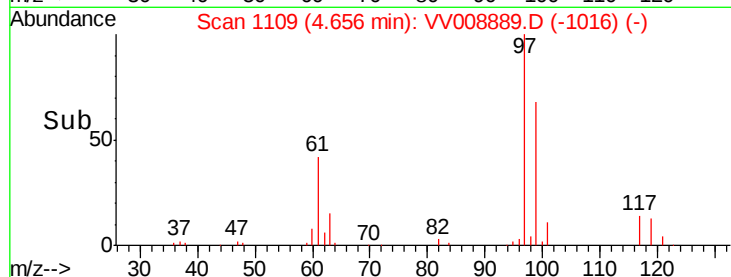
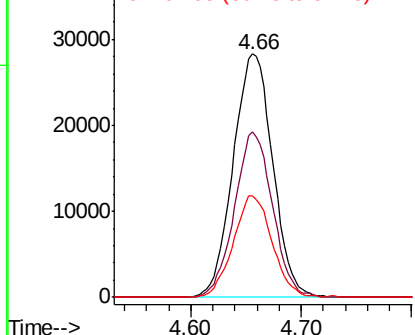
#29
 1,1,1-Trichloroethane
 Concen: 5.023 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. 0.00 min
 Lab File: VV008889.D
 Acq: 10 Dec 2018 15:31

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00574

Tgt Ion: 97 Resp: 70348
 Ion Ratio Lower Upper
 97 100
 99 65.3 50.7 76.1
 61 41.1 34.0 51.0

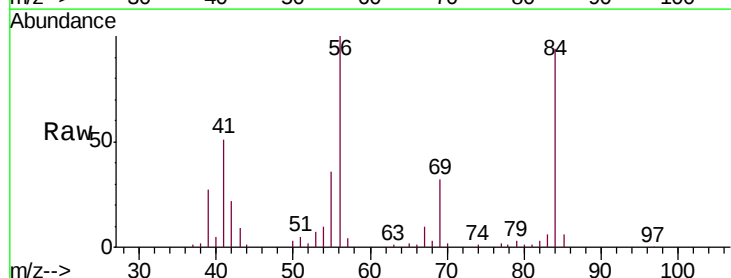


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

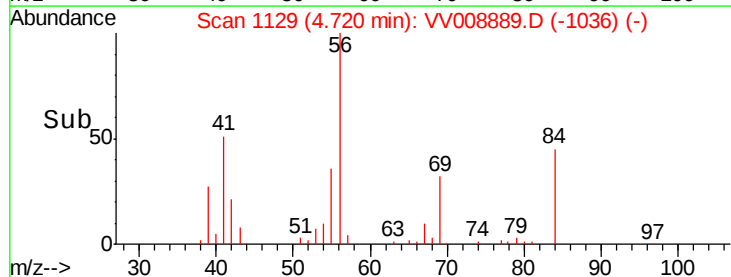
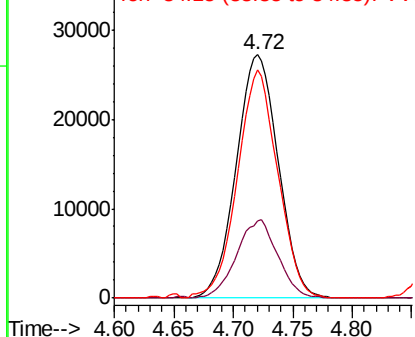


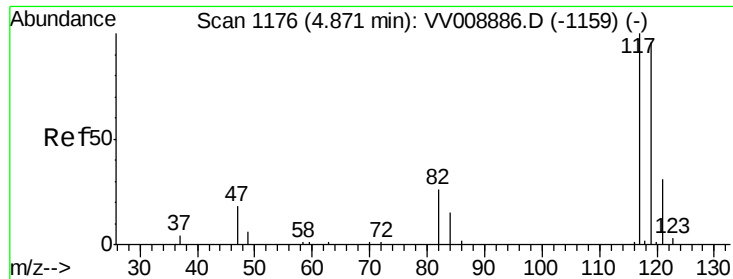
#30
 Cyclohexane
 Concen: 4.953 ug/L
 RT: 4.72 min Scan# 1129
 Delta R.T. 0.00 min
 Lab File: VV008889.D
 Acq: 10 Dec 2018 15:31

Tgt Ion: 56 Resp: 66669
 Ion Ratio Lower Upper
 56 100
 69 31.6 25.4 38.2
 84 90.0 72.2 108.2



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

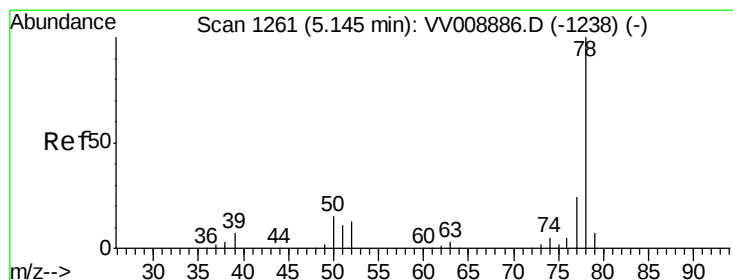
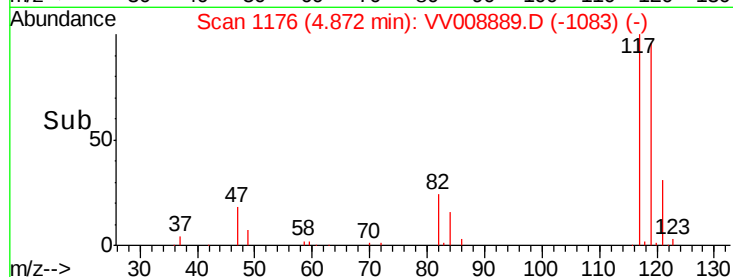
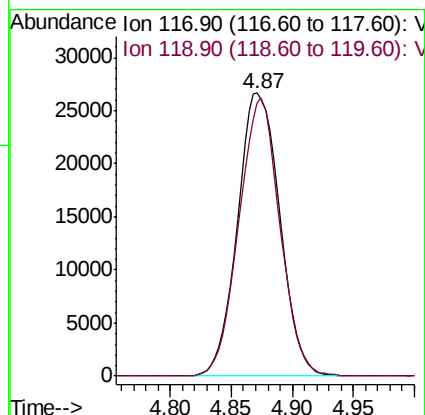
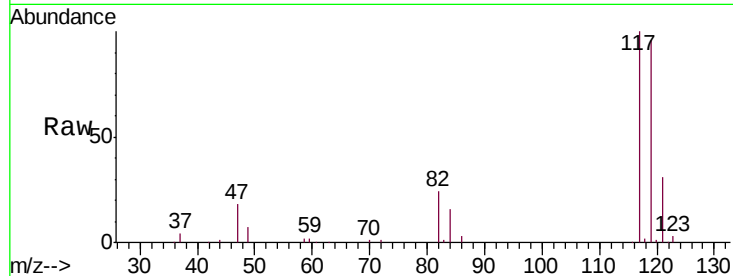




#31
Carbon tetrachloride
Concen: 5.073 ug/L
RT: 4.87 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VV008889.D
Acq: 10 Dec 2018 15:31

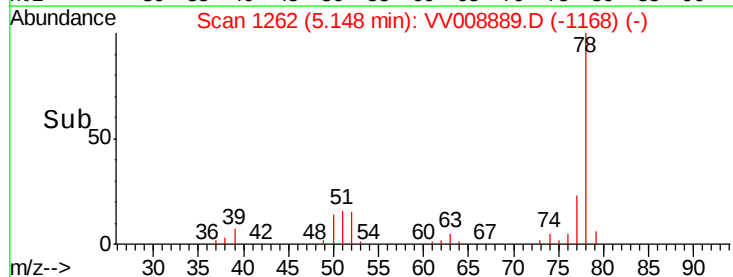
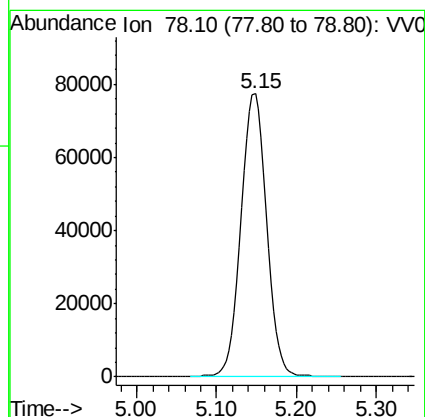
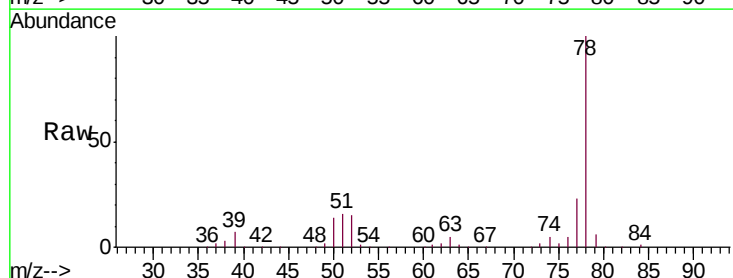
Instrument :
MSVOA_V
ClientSampleId :
VSTD00574

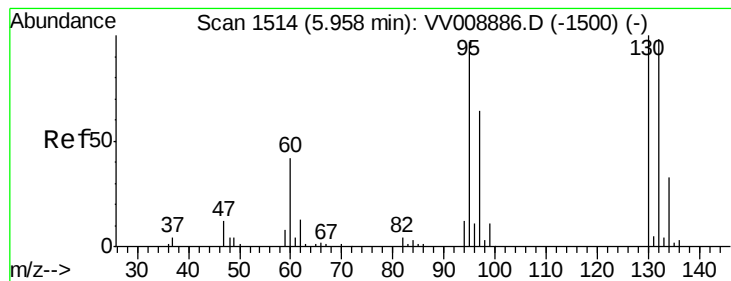
Tgt Ion:117 Resp: 63948
Ion Ratio Lower Upper
117 100
119 94.9 77.1 115.7



#33
Benzene
Concen: 4.978 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VV008889.D
Acq: 10 Dec 2018 15:31

Tgt Ion: 78 Resp: 167365





#34

Trichloroethene

Concen: 4.966 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV008889.D

Acq: 10 Dec 2018 15:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD00574

Tgt Ion: 95 Resp: 48562

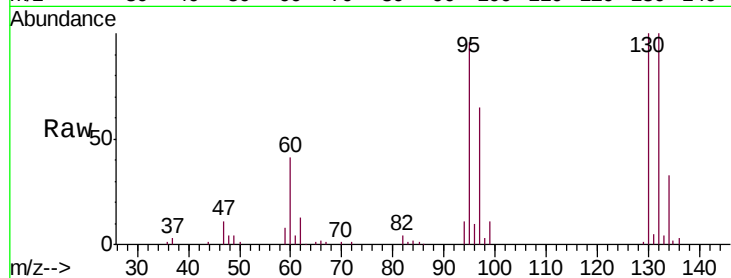
Ion Ratio Lower Upper

95 100

97 68.2 44.4 82.5

132 103.8 70.7 131.3

130 104.3 72.9 135.3

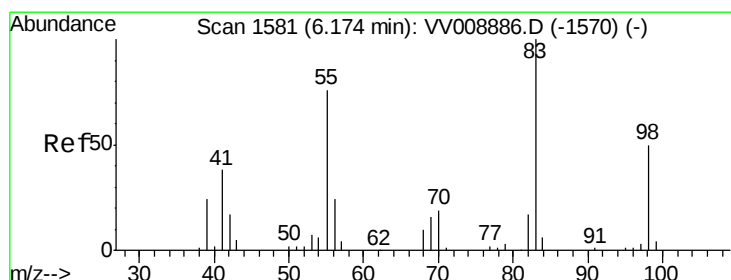
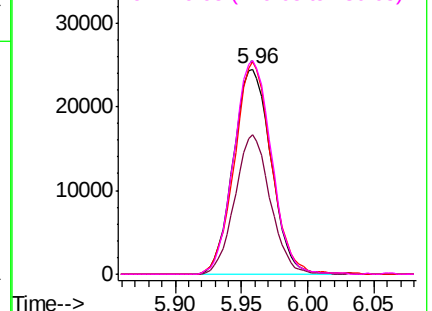
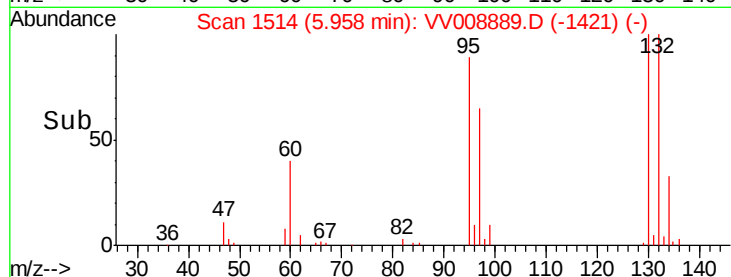


Abundance Ion 95.00 (94.70 to 95.70): VV008889.D (-1421) (-)

Ion 96.95 (96.65 to 97.65): VV008889.D (-1421) (-)

Ion 131.95 (131.65 to 132.65): VV008889.D (-1421) (-)

Ion 129.95 (129.65 to 130.65): VV008889.D (-1421) (-)



#35

Methylcyclohexane

Concen: 4.804 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV008889.D

Acq: 10 Dec 2018 15:31

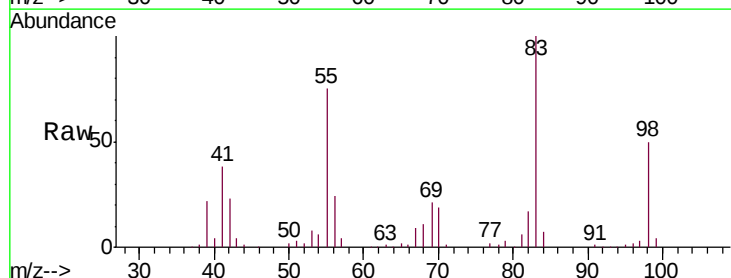
Tgt Ion: 83 Resp: 74318

Ion Ratio Lower Upper

83 100

55 74.0 60.0 90.0

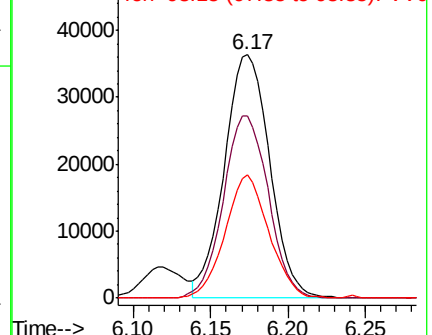
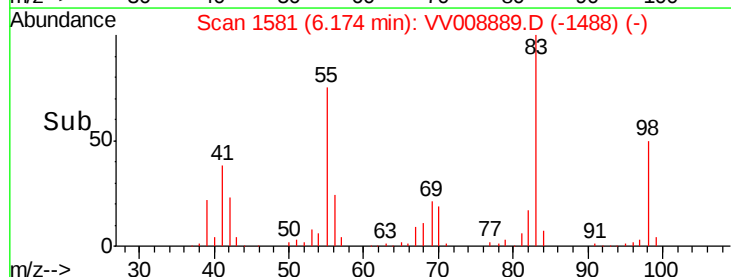
98 48.6 39.0 58.6

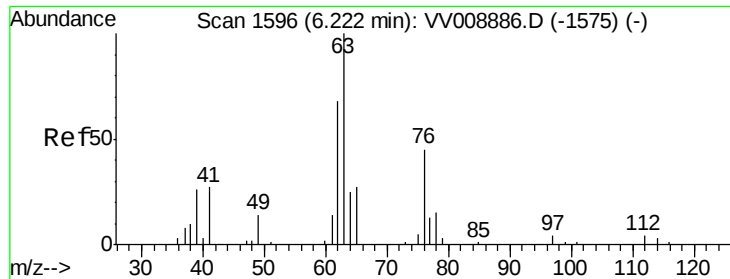


Abundance Ion 83.15 (82.85 to 83.85): VV008889.D (-1488) (-)

Ion 55.10 (54.80 to 55.80): VV008889.D (-1488) (-)

Ion 98.15 (97.85 to 98.85): VV008889.D (-1488) (-)

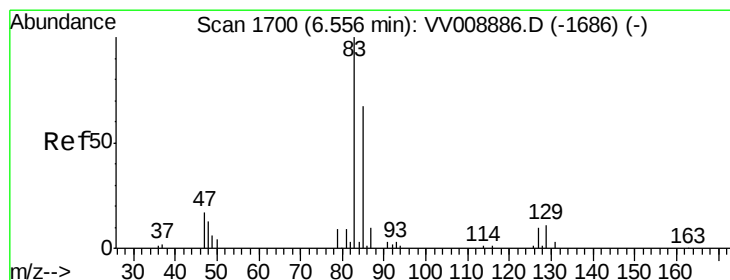
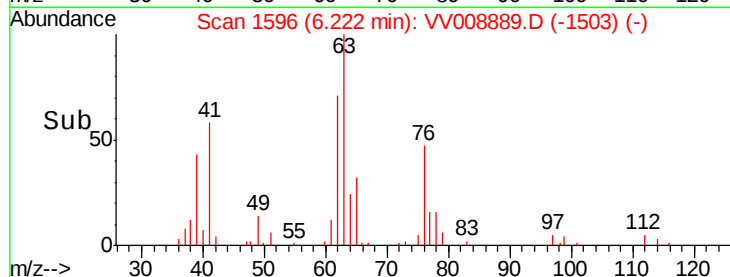
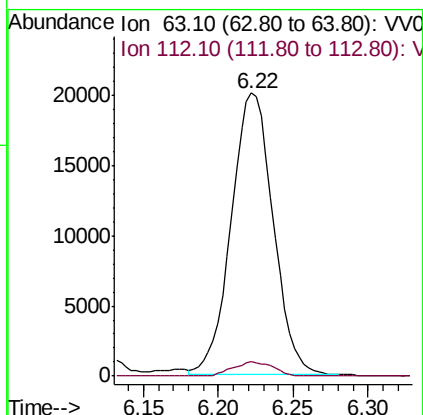
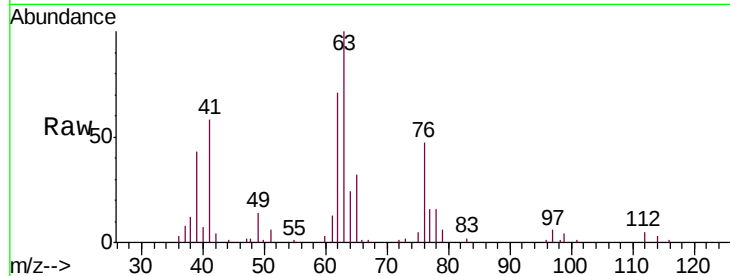




#37
 1,2-Dichloropropane
 Concen: 4.758 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. 0.00 min
 Lab File: VV008889.D
 Acq: 10 Dec 2018 15:31

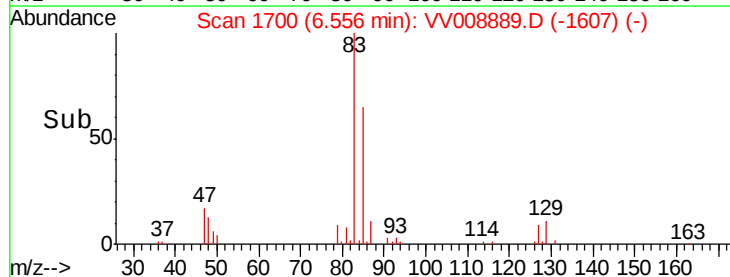
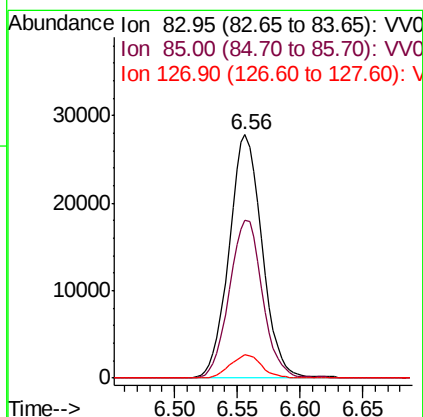
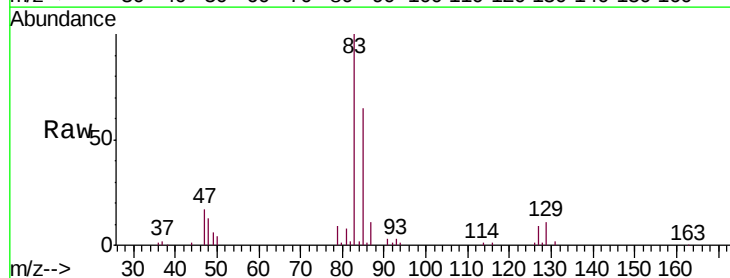
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00574

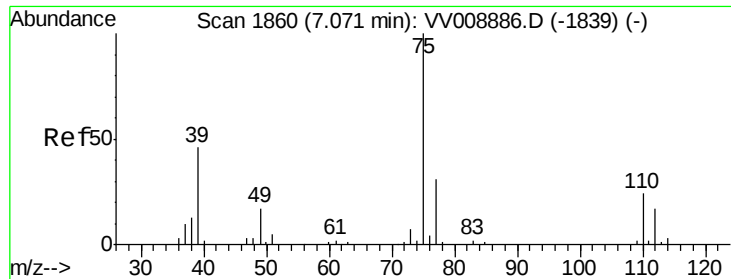
Tgt Ion: 63 Resp: 39204
 Ion Ratio Lower Upper
 63 100
 112 4.8 3.5 5.3



#38
 Bromodichloromethane
 Concen: 5.025 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VV008889.D
 Acq: 10 Dec 2018 15:31

Tgt Ion: 83 Resp: 50959
 Ion Ratio Lower Upper
 83 100
 85 65.0 44.2 82.0
 127 9.4 7.5 11.3

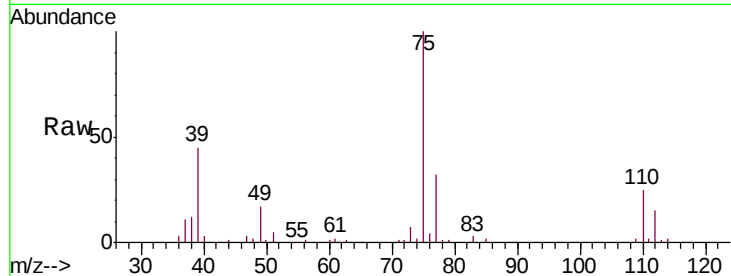




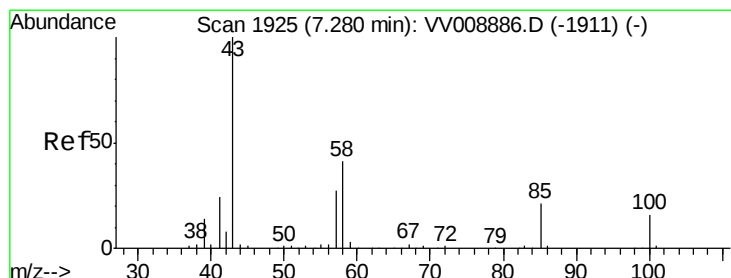
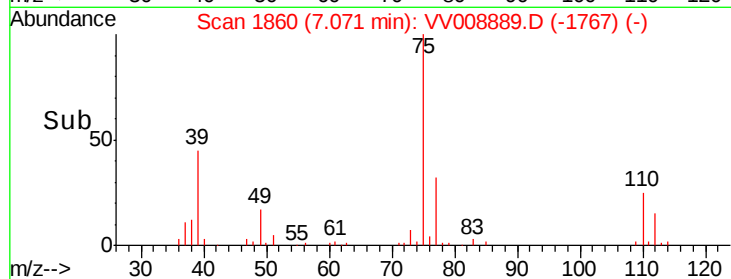
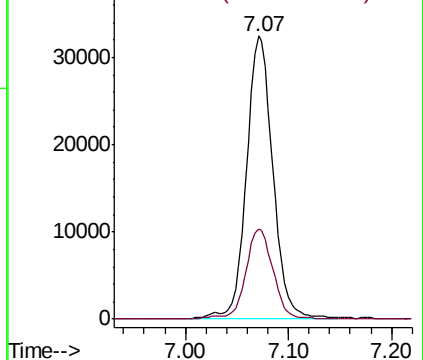
#39
 cis-1,3-Dichloropropene
 Concen: 5.009 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV008889.D
 Acq: 10 Dec 2018 15:31

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00574

Tgt Ion: 75 Resp: 57834
 Ion Ratio Lower Upper
 75 100
 77 32.0 22.3 41.3

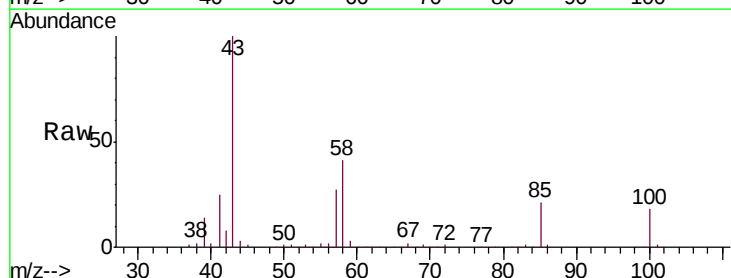


Abundance Ion 75.05 (74.75 to 75.75): VV0
 Ion 77.05 (76.75 to 77.75): VV0

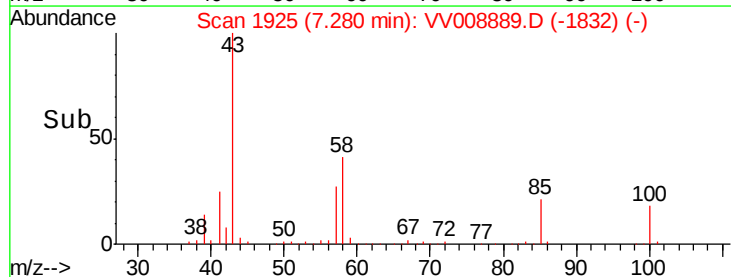
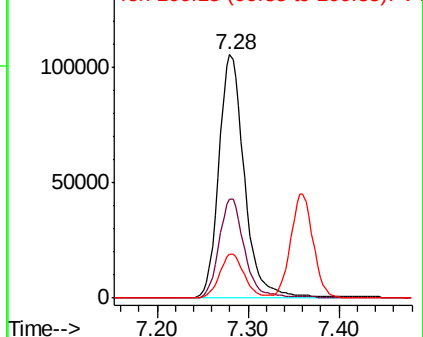


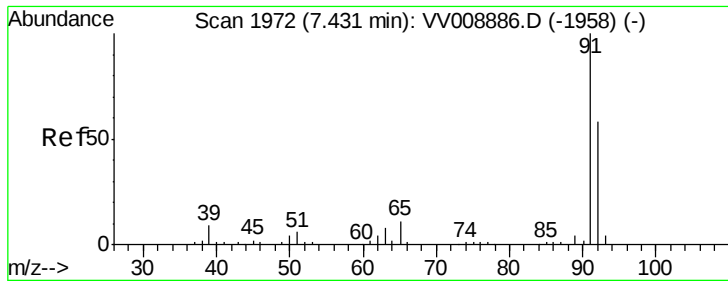
#40
 4-Methyl-2-pentanone
 Concen: 49.414 ug/L
 RT: 7.28 min Scan# 1925
 Delta R.T. 0.00 min
 Lab File: VV008889.D
 Acq: 10 Dec 2018 15:31

Tgt Ion: 43 Resp: 206536
 Ion Ratio Lower Upper
 43 100
 58 40.2 32.6 48.8
 100 17.5 13.4 20.0



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





#42

Toluene

Concen: 4.964 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV008889.D

Acq: 10 Dec 2018 15:31

Instrument :

MSVOA_V

ClientSampleId :

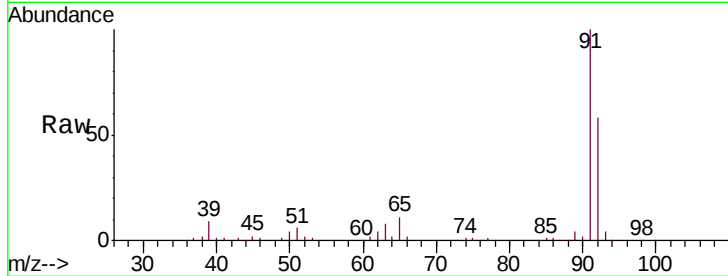
VSTD00574

Tgt Ion: 91 Resp: 180145

Ion Ratio Lower Upper

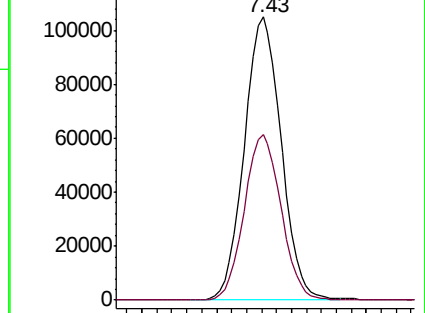
91 100

92 58.3 40.9 76.0

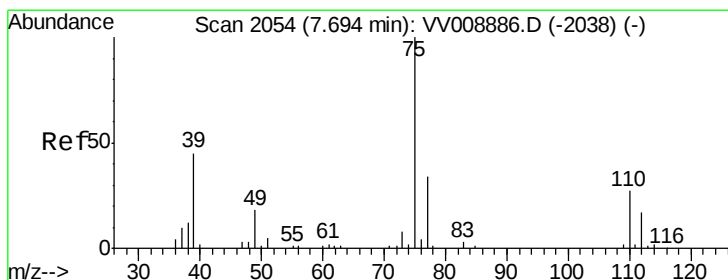
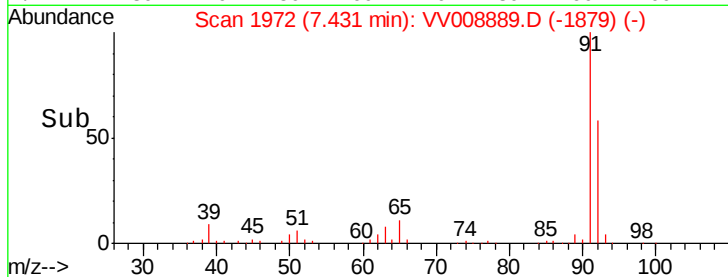


Abundance Ion 91.15 (90.85 to 91.85): VV008889.D (-1879) (-)

Ion 92.15 (91.85 to 92.85): VV008889.D (-1879) (-)



Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.263 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV008889.D

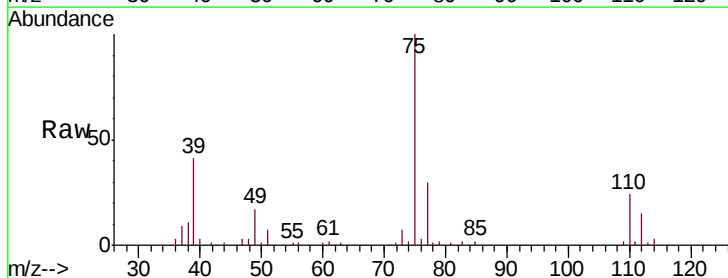
Acq: 10 Dec 2018 15:31

Tgt Ion: 75 Resp: 47142

Ion Ratio Lower Upper

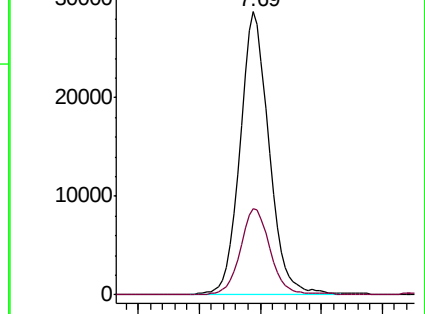
75 100

77 30.4 23.6 43.8

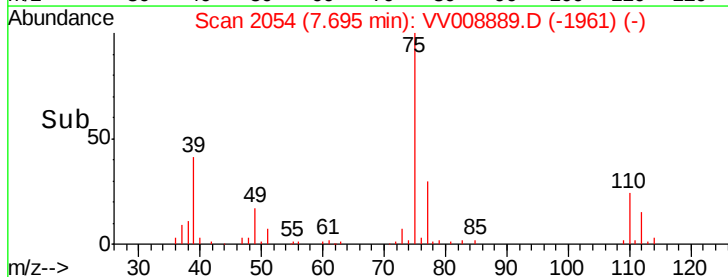


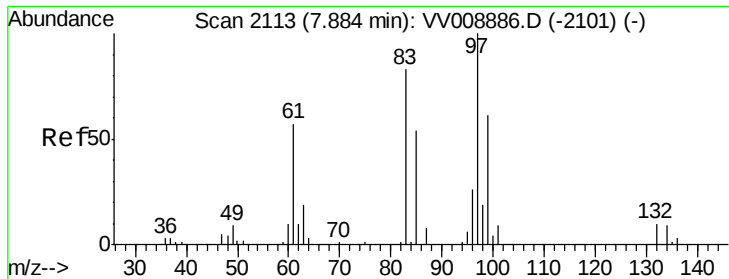
Abundance Ion 75.05 (74.75 to 75.75): VV008889.D (-1961) (-)

Ion 77.05 (76.75 to 77.75): VV008889.D (-1961) (-)



Time-->

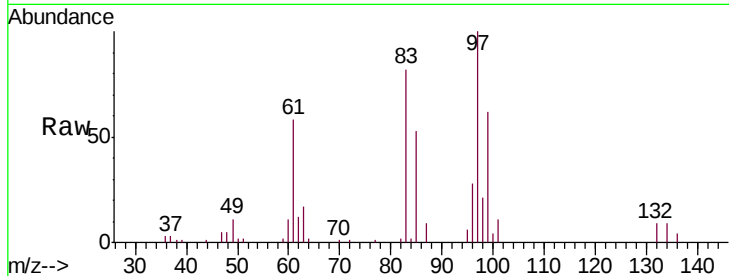




#45
 1,1,2-Trichloroethane
 Concen: 4.903 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VV008889.D
 Acq: 10 Dec 2018 15:31

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00574

Tgt Ion:	97	Resp:	28363
Ion	Ratio	Lower	Upper
97	100		
99	61.8	43.3	80.3
83	82.0	59.4	110.2
85	53.1	38.5	71.5



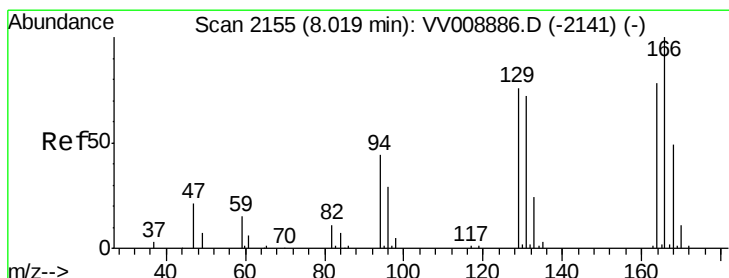
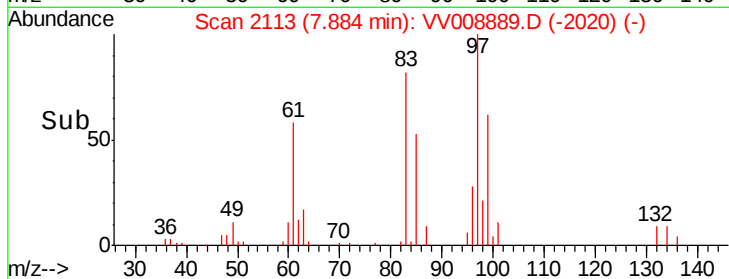
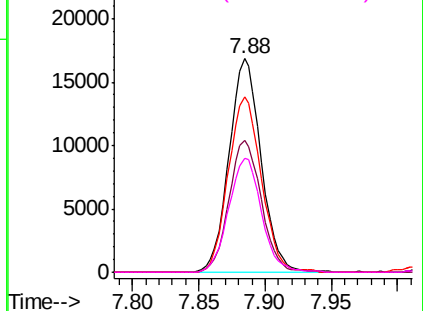
Abundance

Ion 96.95 (96.65 to 97.65): VV008889.D (-2020) (-)

Ion 99.05 (98.75 to 99.75): VV008889.D (-2020) (-)

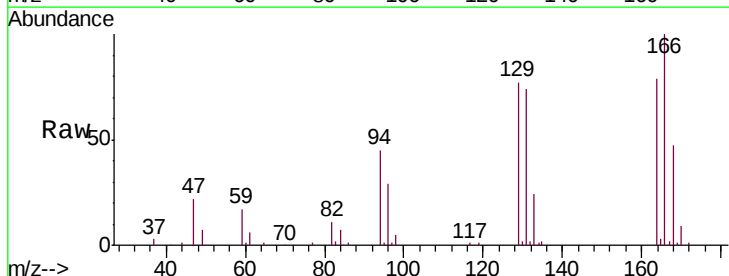
Ion 82.95 (82.65 to 83.65): VV008889.D (-2020) (-)

Ion 85.00 (84.70 to 85.70): VV008889.D (-2020) (-)



#47
 Tetrachloroethene
 Concen: 5.085 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV008889.D
 Acq: 10 Dec 2018 15:31

Tgt Ion:	164	Resp:	39891
Ion	Ratio	Lower	Upper
164	100		
129	97.6	68.8	127.8
131	94.5	64.8	120.4
166	127.3	91.5	169.9



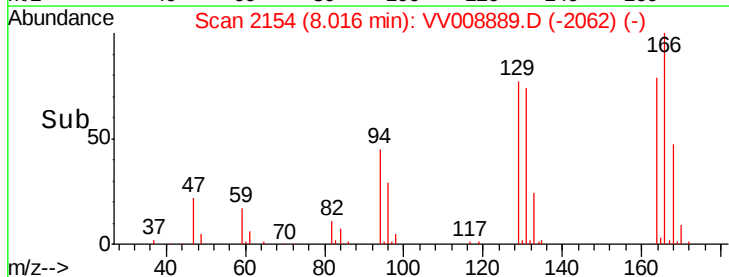
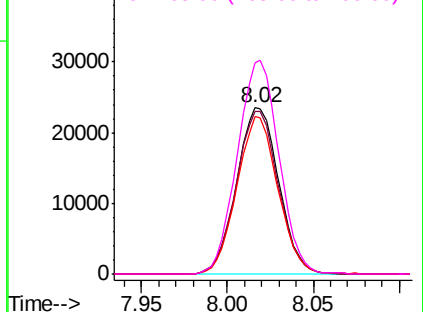
Abundance

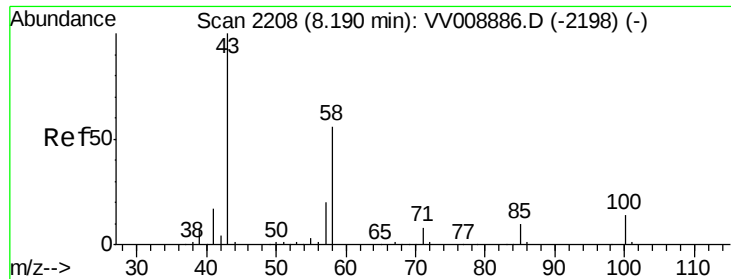
Ion 163.90 (163.60 to 164.60): VV008889.D (-2062) (-)

Ion 128.95 (128.65 to 129.65): VV008889.D (-2062) (-)

Ion 130.95 (130.65 to 131.65): VV008889.D (-2062) (-)

Ion 165.90 (165.60 to 166.60): VV008889.D (-2062) (-)

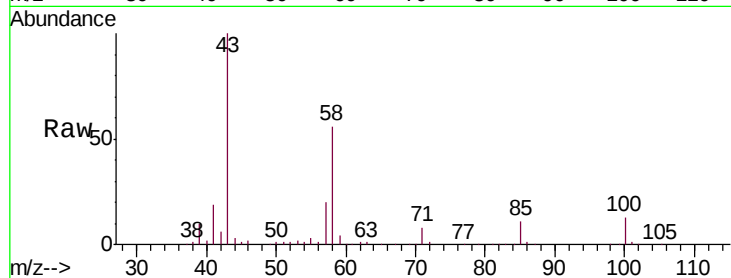




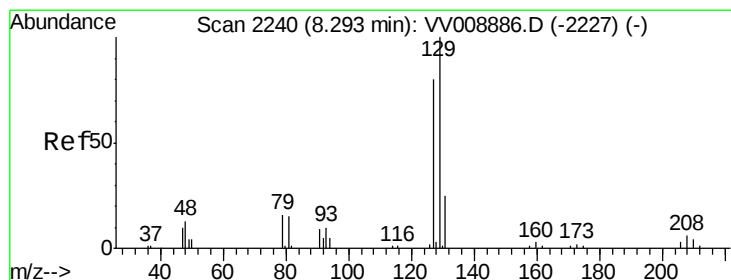
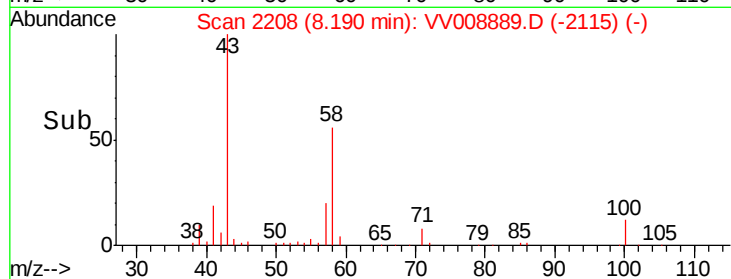
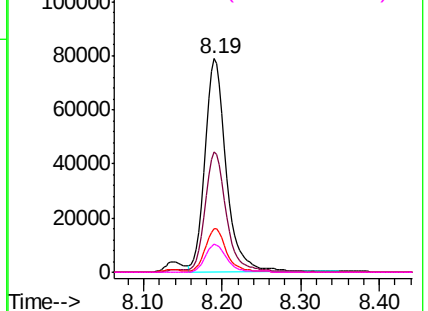
#48
2-Hexanone
Concen: 50.009 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VV008889.D
Acq: 10 Dec 2018 15:31

Instrument :
MSVOA_V
ClientSampleId :
VSTD00574

Tgt Ion: 43 Resp: 147347
Ion Ratio Lower Upper
43 100
58 56.1 44.4 66.6
57 19.9 15.8 23.8
100 13.2 10.9 16.3

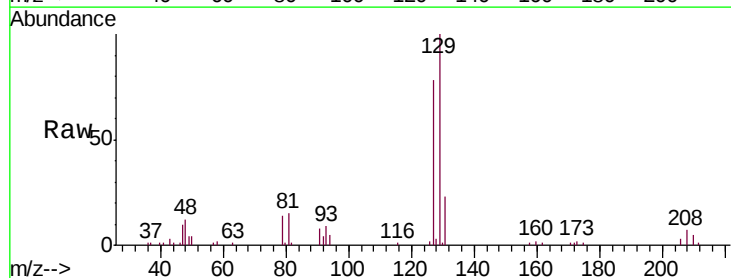


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

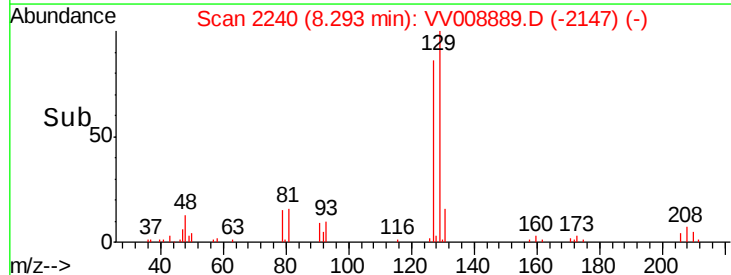
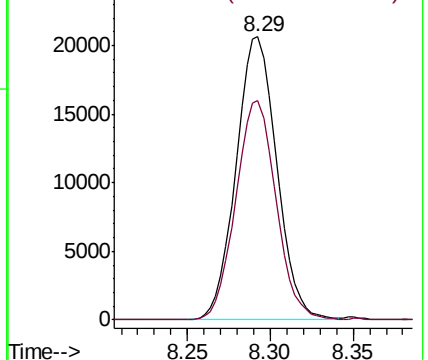


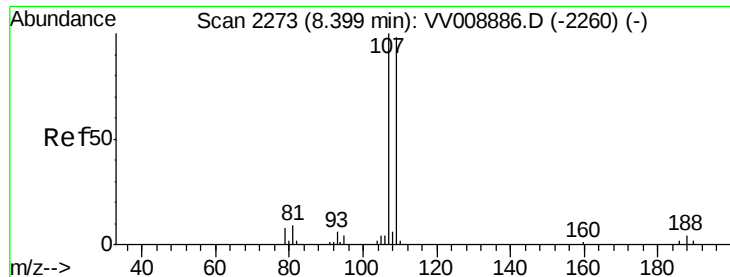
#49
Dibromochloromethane
Concen: 5.230 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VV008889.D
Acq: 10 Dec 2018 15:31

Tgt Ion: 129 Resp: 35389
Ion Ratio Lower Upper
129 100
127 77.6 54.0 100.4



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

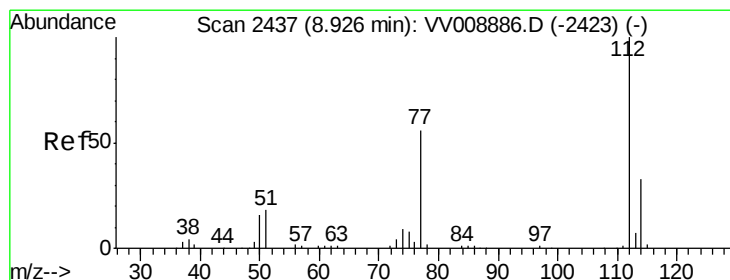
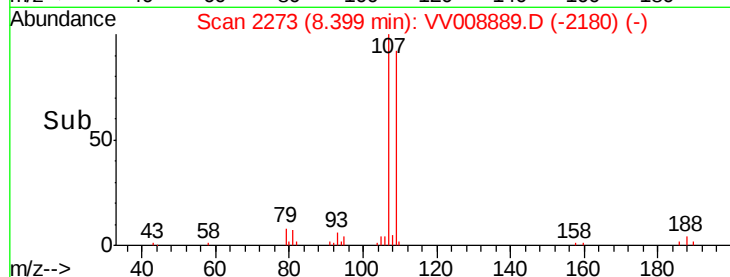
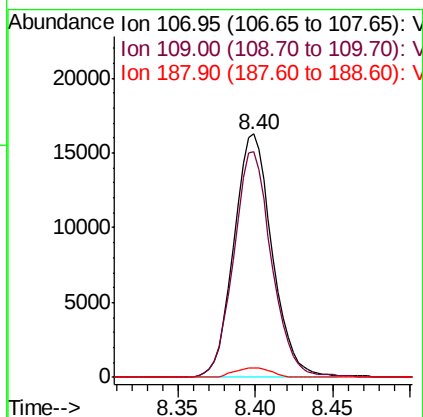
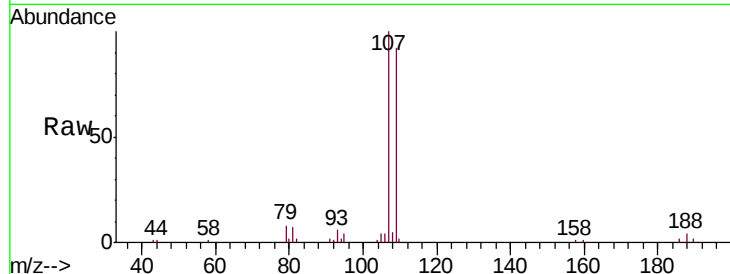




#50
1,2-Dibromoethane
Concen: 5.156 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VV008889.D
Acq: 10 Dec 2018 15:31

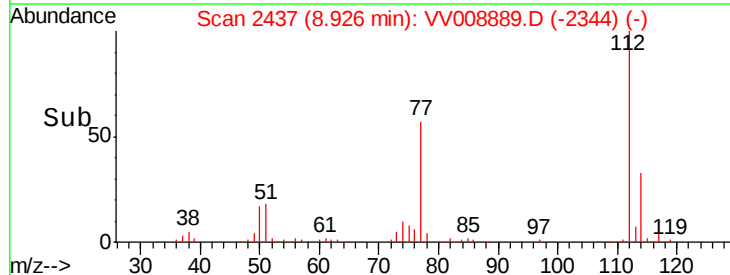
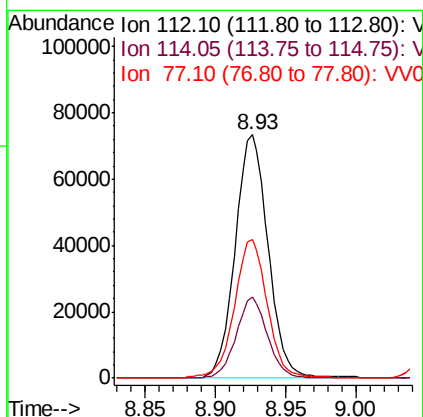
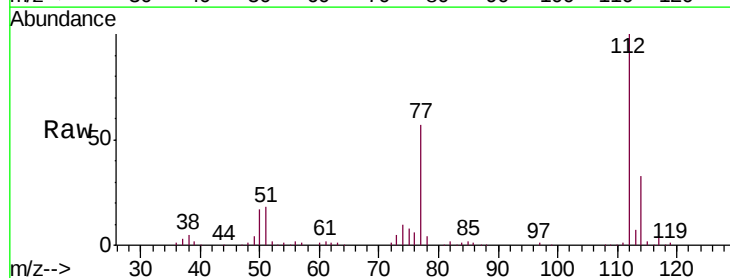
Instrument :
MSVOA_V
ClientSampleId :
VSTD00574

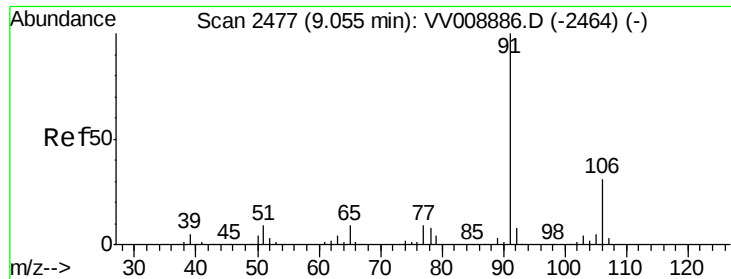
Tgt Ion:107 Resp: 27946
Ion Ratio Lower Upper
107 100
109 92.4 65.3 121.3
188 4.0 2.5 3.7#



#51
Chlorobenzene
Concen: 5.016 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV008889.D
Acq: 10 Dec 2018 15:31

Tgt Ion:112 Resp: 119778
Ion Ratio Lower Upper
112 100
114 33.2 22.3 41.5
77 57.0 45.2 67.8





#52

Ethylbenzene

Concen: 5.025 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV008889.D

Acq: 10 Dec 2018 15:31

Instrument :

MSVOA_V

ClientSampleId :

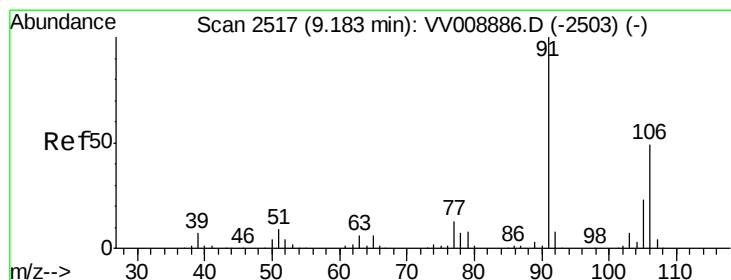
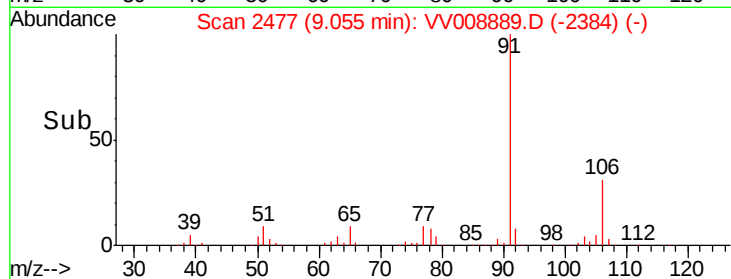
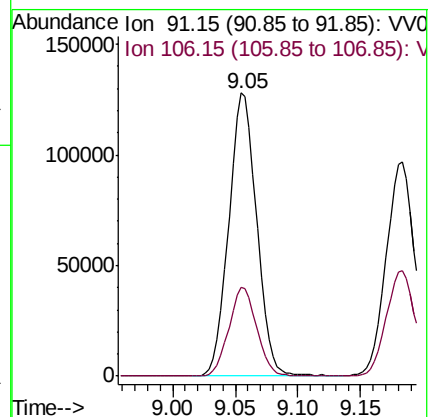
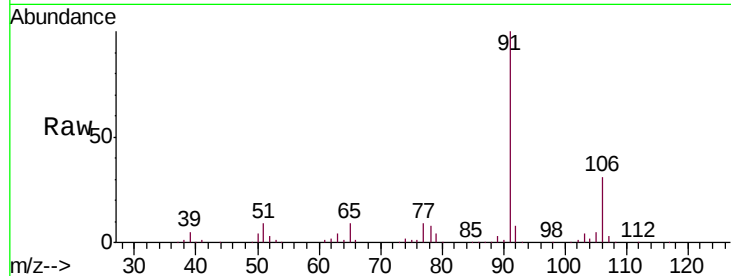
VSTD00574

Tgt Ion: 91 Resp: 199109

Ion Ratio Lower Upper

91 100

106 31.4 22.1 41.1



#53

m,p-xylene

Concen: 5.119 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV008889.D

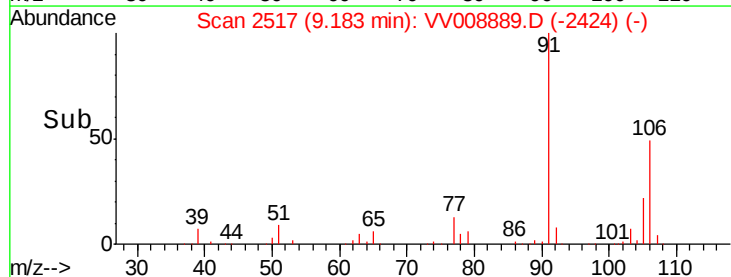
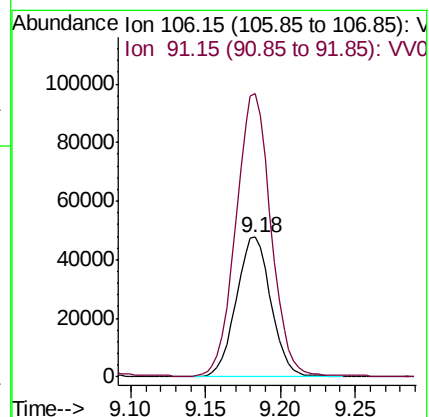
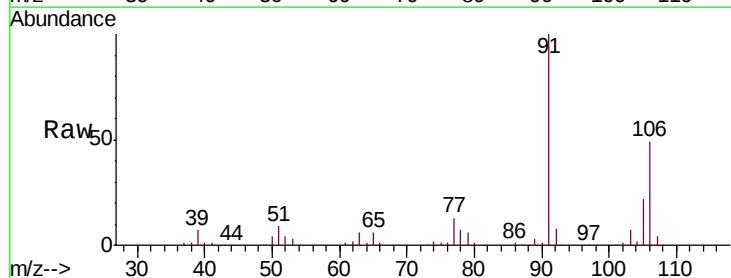
Acq: 10 Dec 2018 15:31

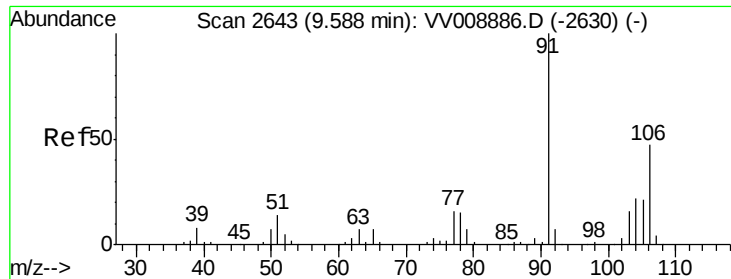
Tgt Ion: 106 Resp: 77477

Ion Ratio Lower Upper

106 100

91 202.2 141.9 263.5

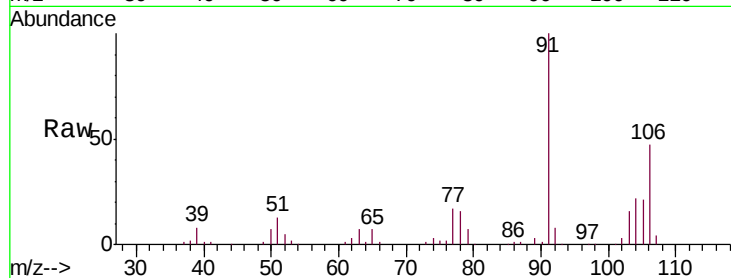




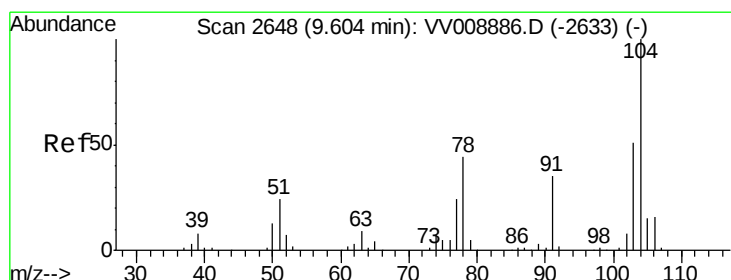
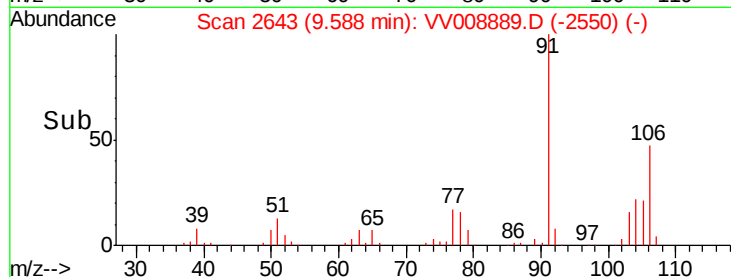
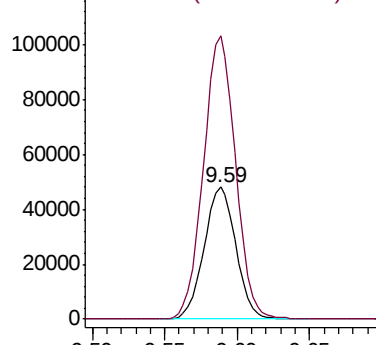
#54
o-xylene
Concen: 5.065 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV008889.D
Acq: 10 Dec 2018 15:31

Instrument :
MSVOA_V
ClientSampleId :
VSTD00574

Tgt Ion:106 Resp: 73120
Ion Ratio Lower Upper
106 100
91 214.5 149.0 276.6

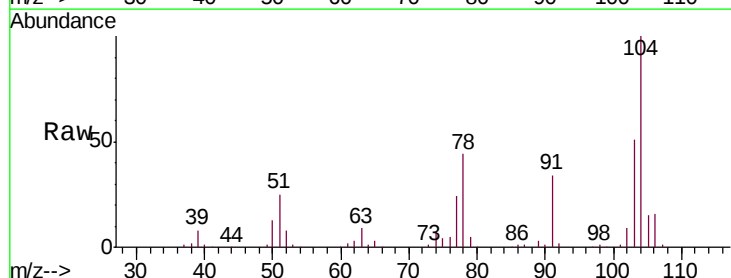


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

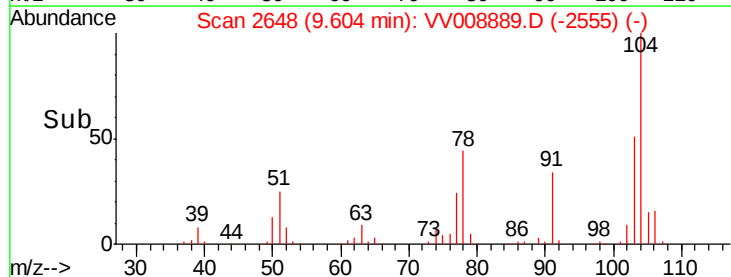
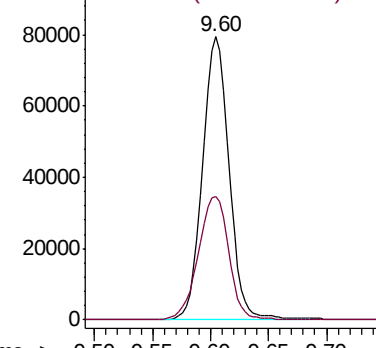


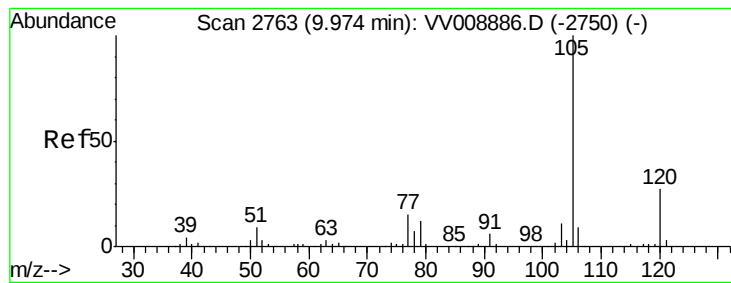
#55
Styrene
Concen: 5.242 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV008889.D
Acq: 10 Dec 2018 15:31

Tgt Ion:104 Resp: 125193
Ion Ratio Lower Upper
104 100
78 43.8 31.4 58.4



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.178 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV008889.D

Acq: 10 Dec 2018 15:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD00574

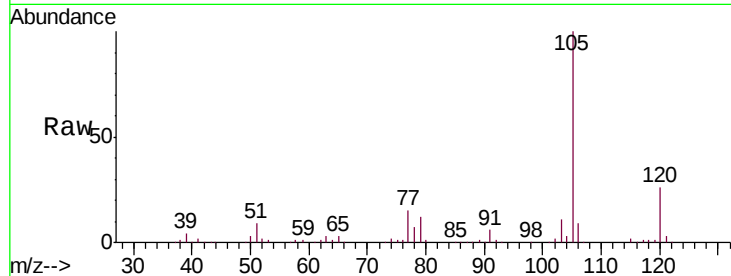
Tgt Ion: 105 Resp: 202241

Ion Ratio Lower Upper

105 100

120 26.6 21.2 31.8

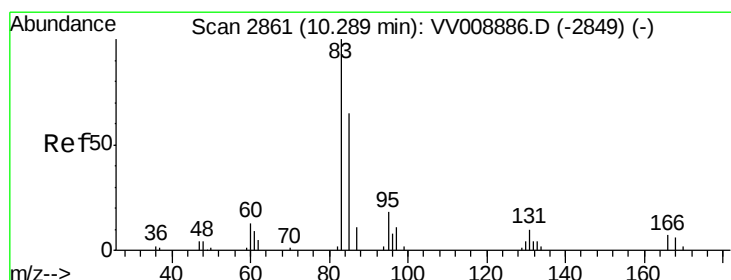
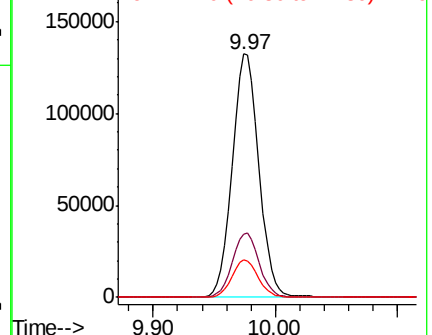
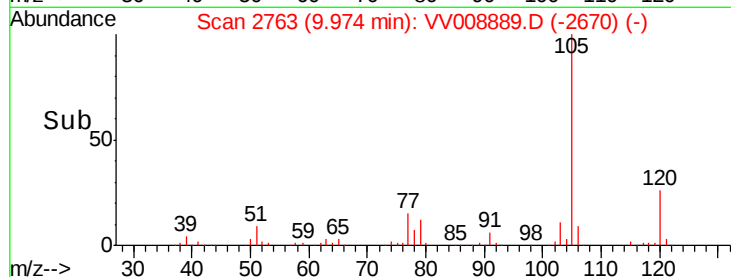
77 15.1 12.4 18.6



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: 4.956 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV008889.D

Acq: 10 Dec 2018 15:31

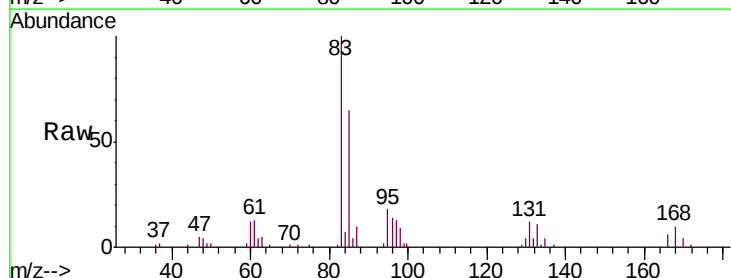
Tgt Ion: 83 Resp: 28933

Ion Ratio Lower Upper

83 100

85 65.1 45.8 85.0

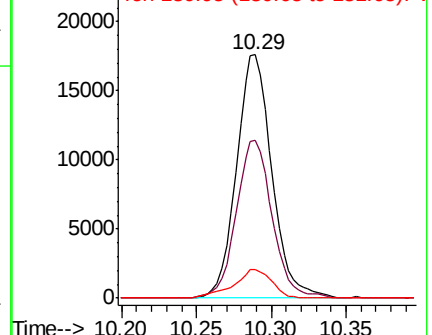
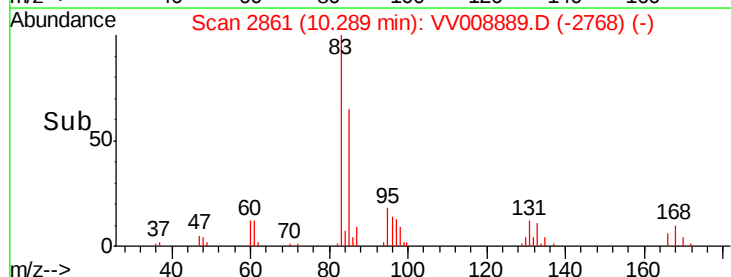
131 11.8 9.6 14.4

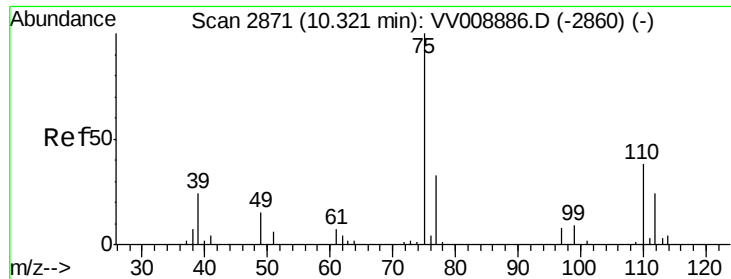


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

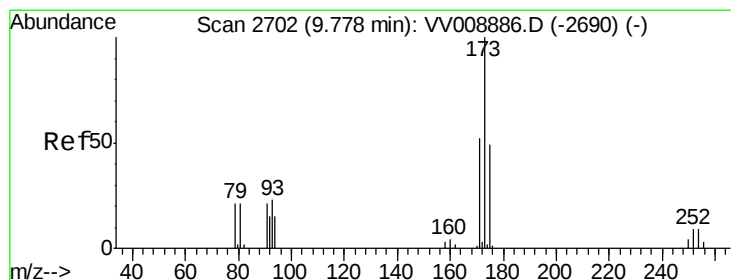
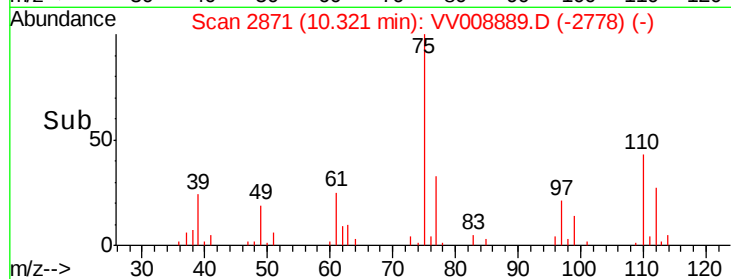
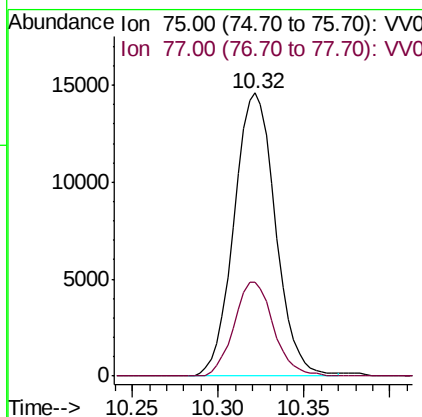
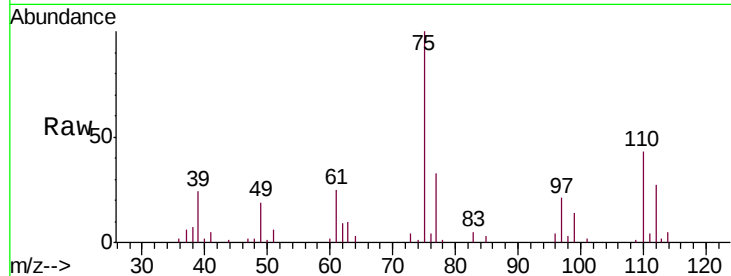




#59
 1,2,3-Trichloropropane
 Concen: 4.983 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VV008889.D
 Acq: 10 Dec 2018 15:31

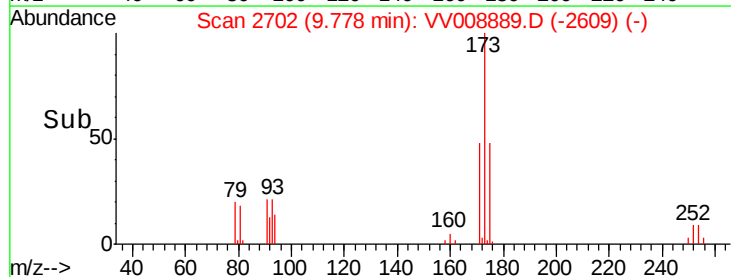
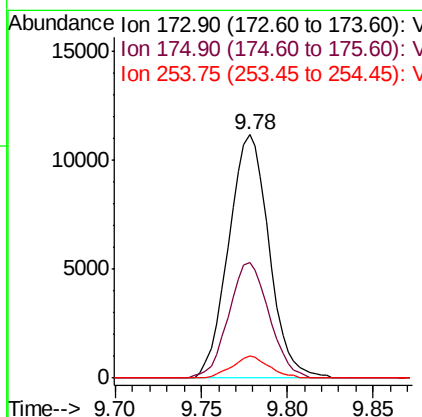
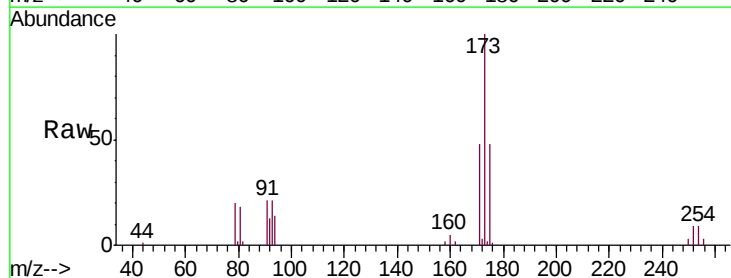
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00574

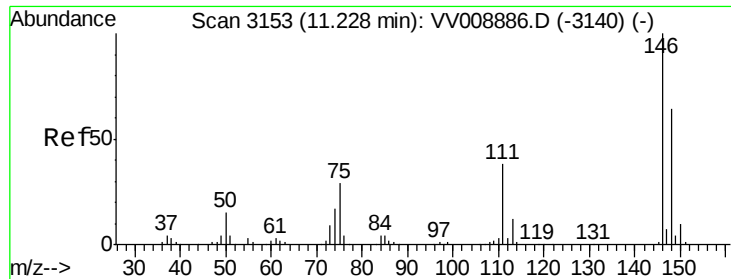
Tgt Ion: 75 Resp: 24504
 Ion Ratio Lower Upper
 75 100
 77 31.8 24.8 37.2



#61
 Bromoform
 Concen: 5.105 ug/L
 RT: 9.78 min Scan# 2702
 Delta R.T. 0.00 min
 Lab File: VV008889.D
 Acq: 10 Dec 2018 15:31

Tgt Ion: 173 Resp: 18320
 Ion Ratio Lower Upper
 173 100
 175 47.6 40.2 60.4
 254 8.3 7.0 10.6

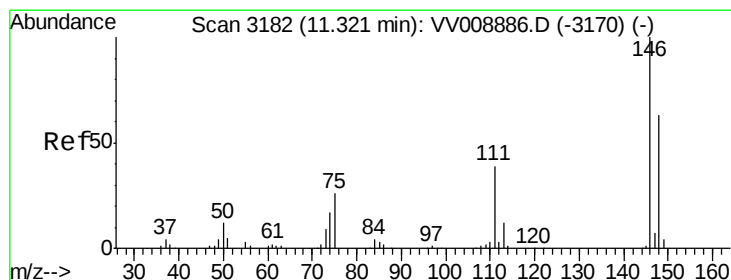
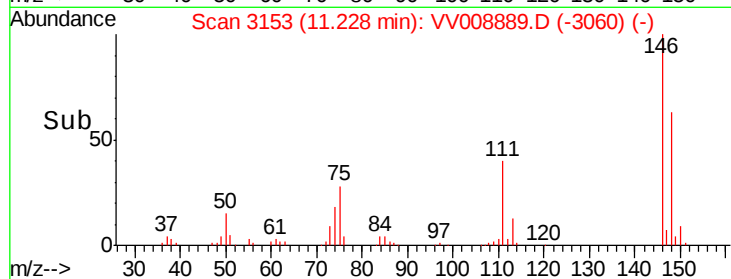
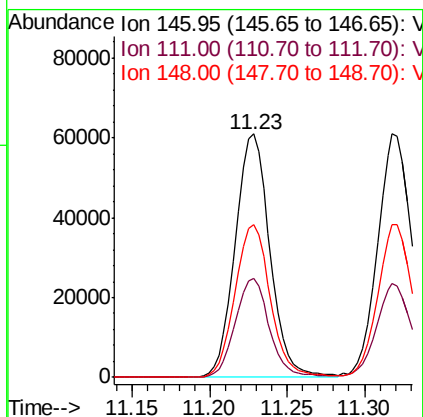
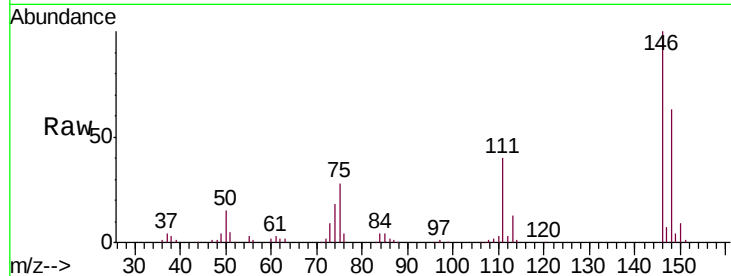




#62
 1,3-Dichlorobenzene
 Concen: 4.882 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: VV008889.D
 Acq: 10 Dec 2018 15:31

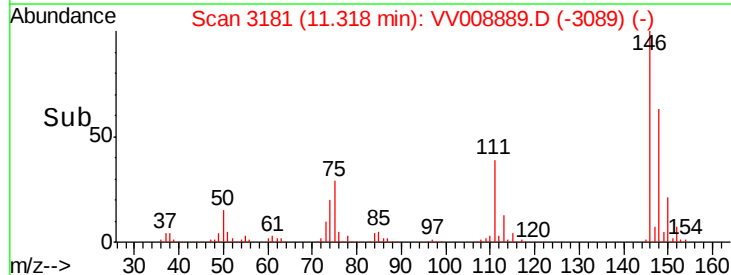
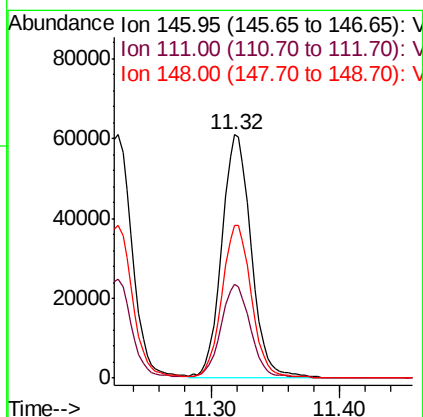
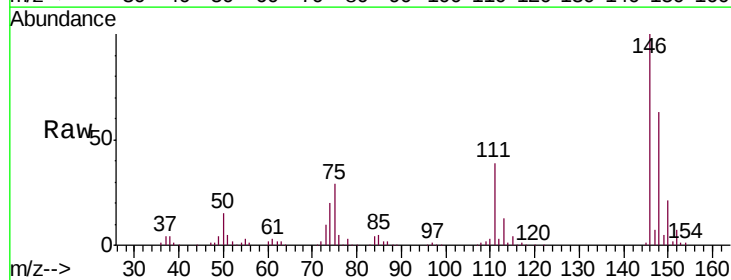
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00574

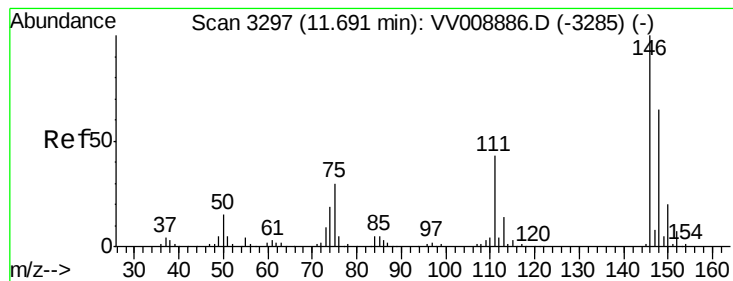
Tgt Ion:146 Resp: 95212
 Ion Ratio Lower Upper
 146 100
 111 40.5 28.5 52.9
 148 62.6 45.0 83.6



#63
 1,4-Dichlorobenzene
 Concen: 4.862 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. -0.00 min
 Lab File: VV008889.D
 Acq: 10 Dec 2018 15:31

Tgt Ion:146 Resp: 96919
 Ion Ratio Lower Upper
 146 100
 111 38.6 26.2 48.8
 148 63.0 44.7 82.9





#65

1,2-Dichlorobenzene

Concen: 4.874 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV008889.D

Acq: 10 Dec 2018 15:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD00574

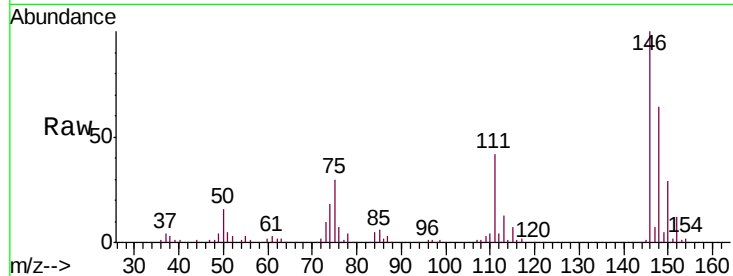
Tgt Ion:146 Resp: 87793

Ion Ratio Lower Upper

146 100

111 41.8 33.8 50.6

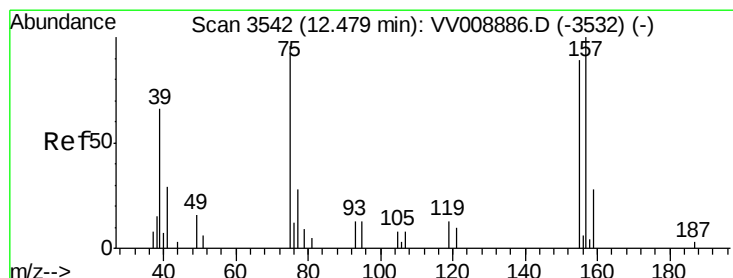
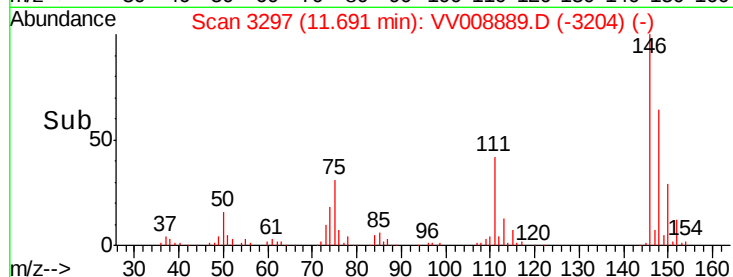
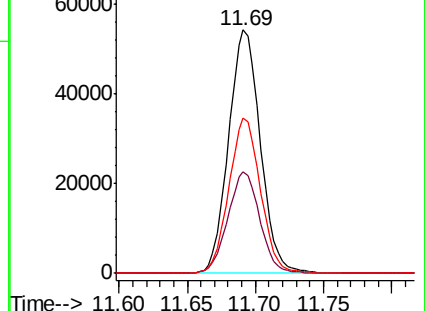
148 63.6 50.0 75.0



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: 4.812 ug/L

RT: 12.48 min Scan# 3542

Delta R.T. 0.00 min

Lab File: VV008889.D

Acq: 10 Dec 2018 15:31

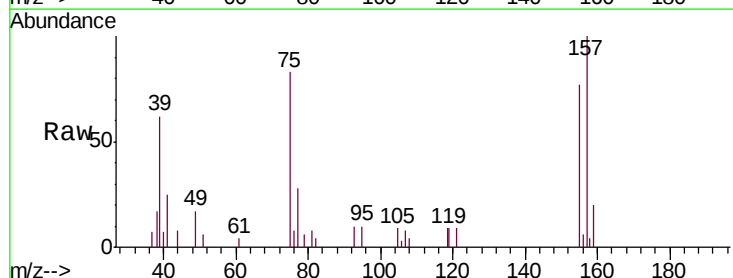
Tgt Ion: 75 Resp: 4351

Ion Ratio Lower Upper

75 100

155 93.3 70.2 105.4

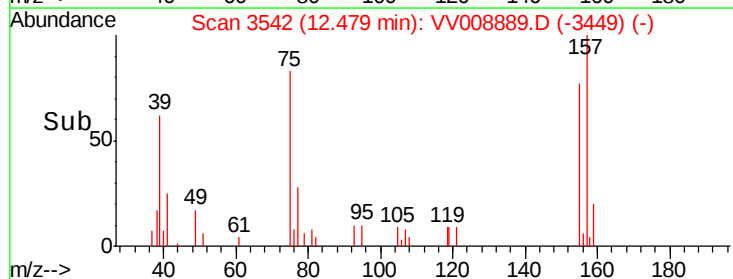
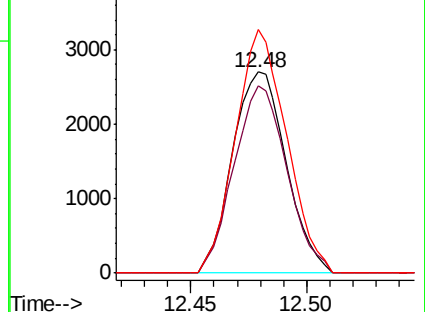
157 121.0 83.4 125.2

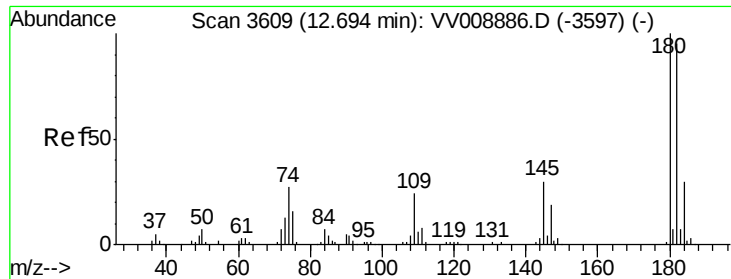


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

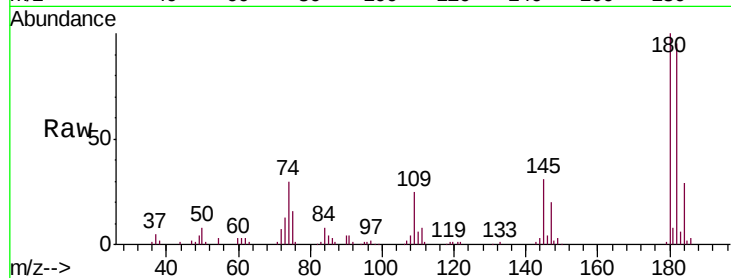




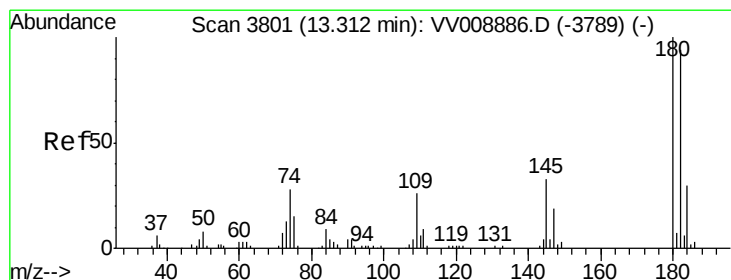
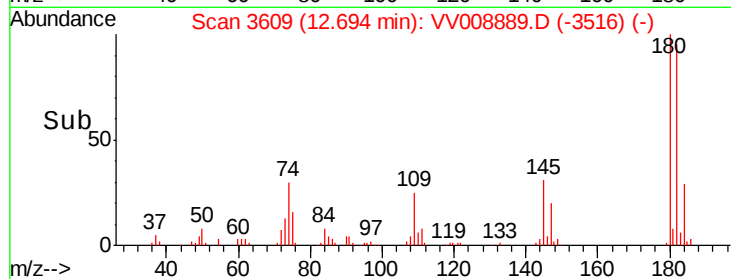
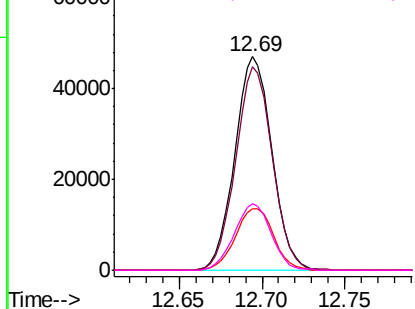
#67
 1,3,5-Trichlorobenzene
 Concen: 5.038 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV008889.D
 Acq: 10 Dec 2018 15:31

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00574

Tgt Ion:180 Resp: 73142
 Ion Ratio Lower Upper
 180 100
 182 94.0 76.5 114.7
 184 29.7 24.3 36.5
 145 30.8 25.2 37.8

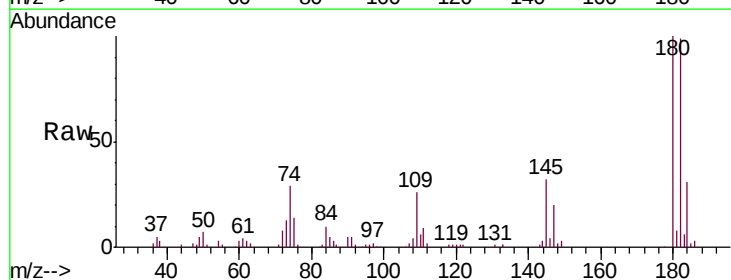


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

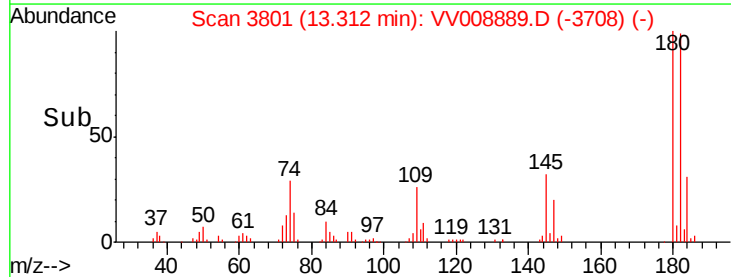
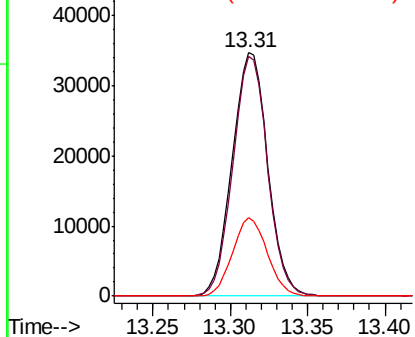


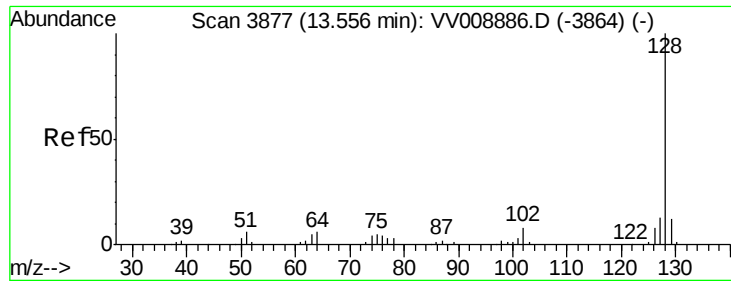
#68
 1,2,4-trichlorobenzene
 Concen: 5.132 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV008889.D
 Acq: 10 Dec 2018 15:31

Tgt Ion:180 Resp: 55346
 Ion Ratio Lower Upper
 180 100
 182 95.8 76.2 114.4
 145 31.3 26.2 39.4



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: 4.847 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. 0.00 min

Lab File: VV008889.D

Acq: 10 Dec 2018 15:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD00574

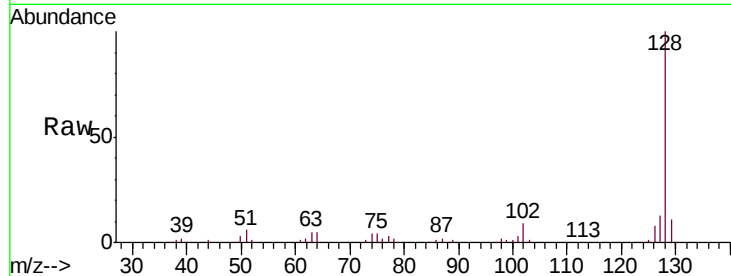
Tgt Ion:128 Resp: 75890

Ion Ratio Lower Upper

128 100

129 11.2 8.6 12.8

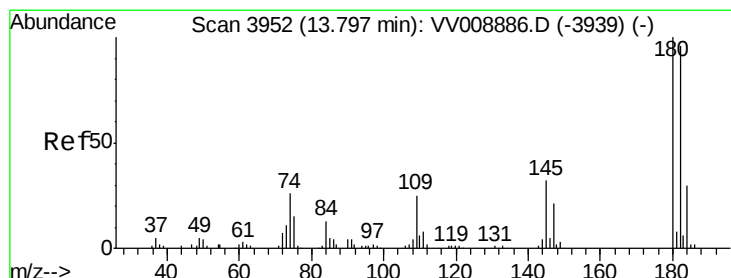
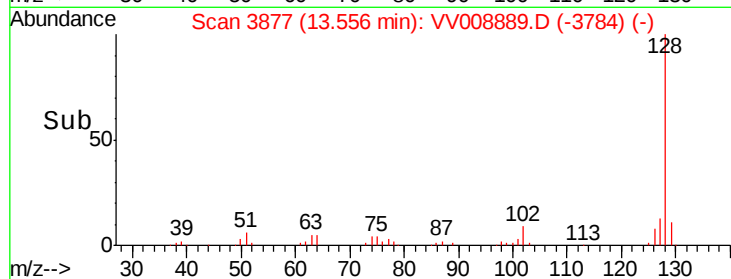
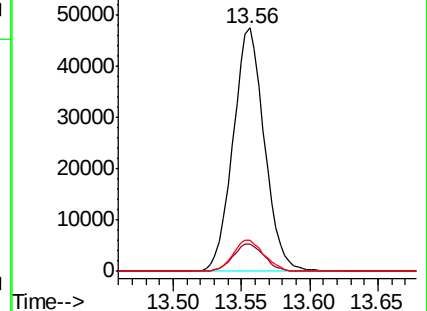
127 12.6 10.6 15.8



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: 5.045 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. 0.00 min

Lab File: VV008889.D

Acq: 10 Dec 2018 15:31

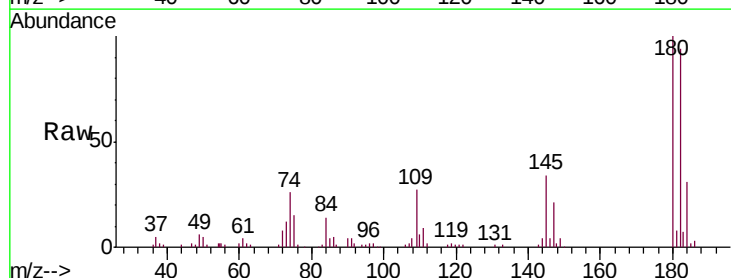
Tgt Ion:180 Resp: 50933

Ion Ratio Lower Upper

180 100

182 94.4 77.8 116.8

145 33.9 26.6 40.0



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

