

Data File : VV008490.D
Acq On : 30 Oct 2018 23:59
Operator : SY/MD
Sample : VSTDCCC050EC
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD05064

Quant Time: Oct 31 07:21:15 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102318WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Oct 31 07:14:32 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	172984	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	161576	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	78176	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	39010	40.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.46%
7) Chloroethane-d5	1.56	69	28943	41.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.70%
11) 1,1-Dichloroethene-d2	2.13	63	77020	44.52	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.04%
21) 2-Butanone-d5	3.94	46	103585	99.51	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.51%
24) Chloroform-d	4.41	84	114384	48.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.84%
26) 1,2-Dichloroethane-d4	5.08	65	76915	48.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.40%
32) Benzene-d6	5.10	84	218564	47.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.94%
36) 1,2-Dichloropropane-d6	6.12	67	77055	48.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.42%
41) Toluene-d8	7.36	98	199233	47.66	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.32%
43) trans-1,3-Dichloropropene-	7.67	79	36239	46.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.34%
47) 2-Hexanone-d5	8.14	63	81301	97.42	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.42%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	112227	51.85	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.70%
64) 1,2-Dichlorobenzene-d4	11.68	152	78253	48.93	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.86%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	56748	45.941 ug/L	98
3) Chloromethane	1.25	50	61733	46.654 ug/L	100
5) Vinyl chloride	1.33	62	57810	47.151 ug/L	97
6) Bromomethane	1.51	94	10929	32.487 ug/L	96
8) Chloroethane	1.58	64	33296	51.693 ug/L	95
9) Trichlorofluoromethane	1.76	101	75908	48.106 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	41457	50.290 ug/L	97
12) 1,1-Dichloroethene	2.14	96	37426	48.220 ug/L	95
13) Acetone	2.19	43	60772	75.227 ug/L	100
14) Carbon disulfide	2.32	76	156760	44.843 ug/L	99
15) Methyl Acetate	2.46	43	73693	45.744 ug/L	99
16) Methylene chloride	2.54	84	64595	48.053 ug/L	98
17) trans-1,2-Dichloroethene	2.79	96	56655	47.887 ug/L	98
18) Methyl tert-butyl Ether	2.81	73	213248	50.358 ug/L	100
19) 1,1-Dichloroethane	3.23	63	120005	49.181 ug/L	97
20) cis-1,2-Dichloroethene	3.97	96	67792	50.295 ug/L	96
22) 2-Butanone	4.02	43	101292	86.791 ug/L	96

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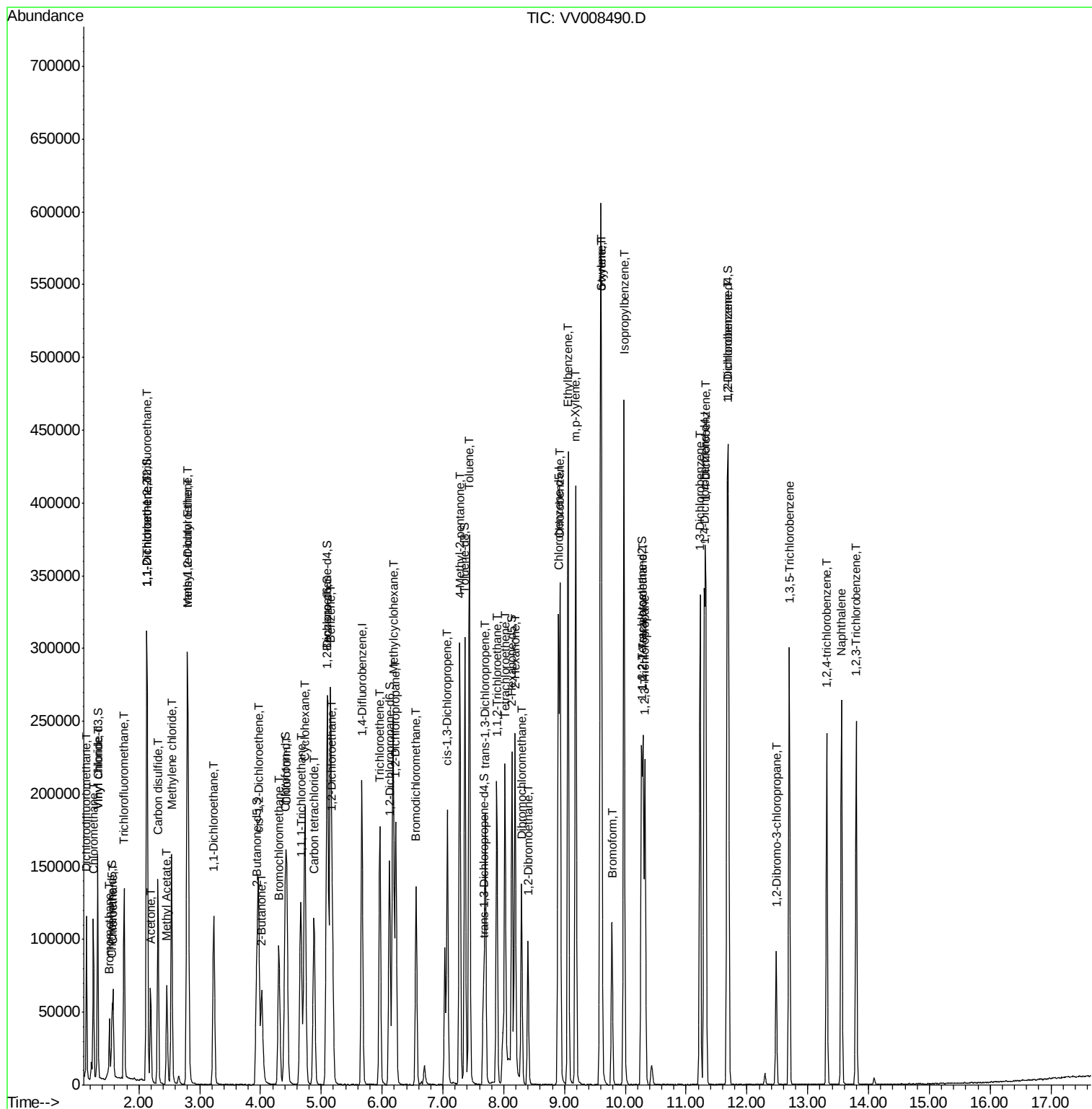
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	31264	49.182	ug/L	99
25) Chloroform	4.43	83	120689	50.666	ug/L	99
27) 1,2-Dichloroethane	5.18	62	96031	48.266	ug/L	99
29) Cyclohexane	4.73	56	108543	46.139	ug/L	100
30) 1,1,1-Trichloroethane	4.66	97	102721	49.024	ug/L	99
31) Carbon tetrachloride	4.88	117	86310	48.539	ug/L	99
33) Benzene	5.15	78	258934	49.025	ug/L	100
34) Trichloroethene	5.96	95	64707	47.853	ug/L	98
35) Methylcyclohexane	6.18	83	105642	45.953	ug/L	99
37) 1,2-Dichloropropane	6.23	63	72645	49.802	ug/L	99
38) Bromodichloromethane	6.56	83	90347	48.606	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	110001	47.968	ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	210135	97.283	ug/L	100
42) Toluene	7.43	91	268949	49.023	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	103373	48.183	ug/L	100
45) 1,1,2-Trichloroethane	7.89	97	62905	48.774	ug/L	100
46) Tetrachloroethene	8.02	164	43249	49.062	ug/L	98
48) 2-Hexanone	8.19	43	154196	92.513	ug/L	100
49) Dibromochloromethane	8.29	129	68724	49.586	ug/L	99
50) 1,2-Dibromoethane	8.40	107	66006	48.786	ug/L	100
51) Chlorobenzene	8.93	112	169629	50.215	ug/L	98
52) Ethylbenzene	9.06	91	305528	49.717	ug/L	100
53) m,p-Xylene	9.18	106	111245	49.549	ug/L	99
54) o-xylene	9.59	106	113208	50.496	ug/L	99
55) Styrene	9.61	104	191042	50.573	ug/L	100
56) Isopropylbenzene	9.98	105	296825	50.601	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	115809	51.270	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	91054	49.810	ug/L	99
61) Bromoform	9.78	173	47564	48.219	ug/L	100
62) 1,3-Dichlorobenzene	11.23	146	126832	49.071	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	126923	48.996	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	131716	49.974	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	23900	44.108	ug/L	96
67) 1,3,5-Trichlorobenzene	12.70	180	84081	49.819	ug/L	99
68) 1,2,4-trichlorobenzene	13.32	180	65234	47.775	ug/L	98
69) Naphthalene	13.56	128	197395	44.706	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	67284	49.306	ug/L	99

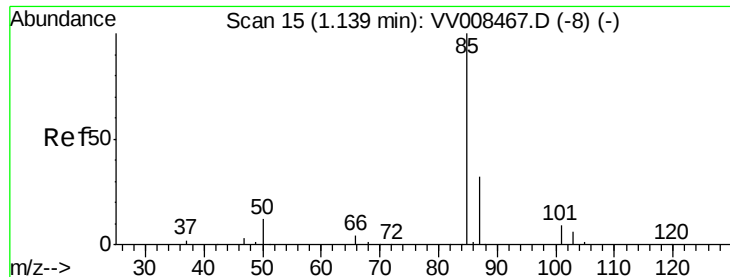
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 45.941 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV008490.D

Acq: 30 Oct 2018 23:59

Instrument :

MSVOA_V

ClientSampleId :

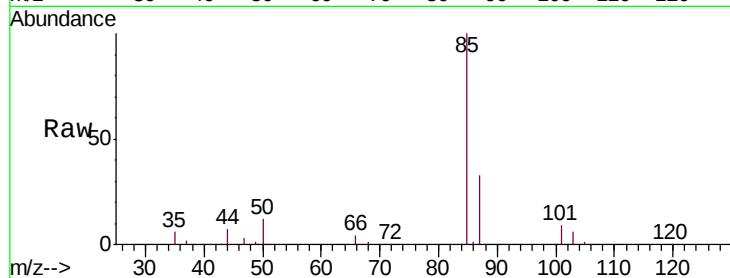
VSTD05064

Tgt Ion: 85 Resp: 56748

Ion Ratio Lower Upper

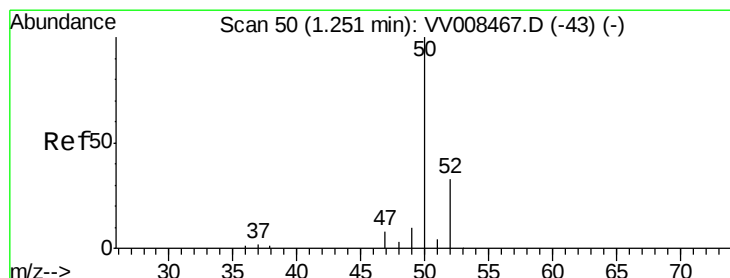
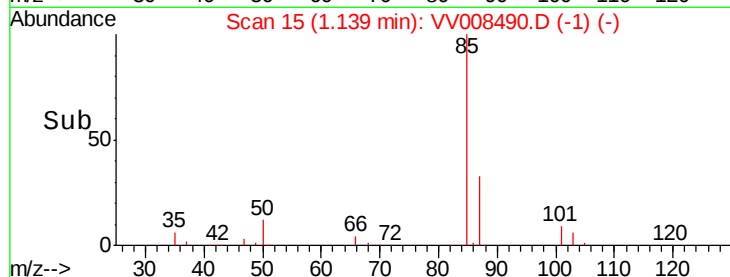
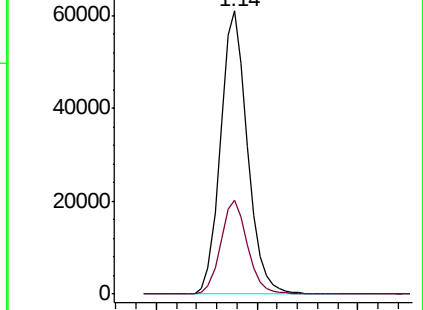
85 100

87 32.7 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VV008467.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV008467.D (-8) (-)



#3

Chloromethane

Concen: 46.654 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV008490.D

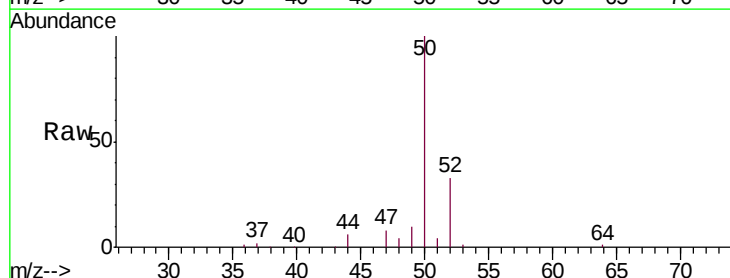
Acq: 30 Oct 2018 23:59

Tgt Ion: 50 Resp: 61733

Ion Ratio Lower Upper

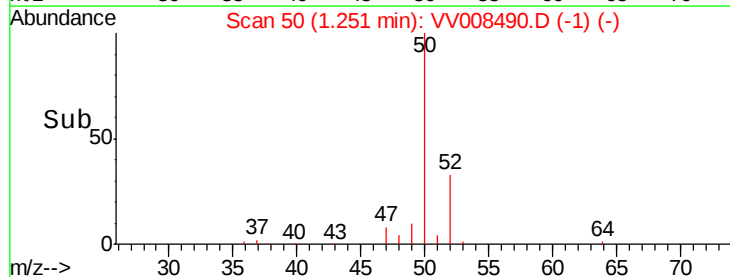
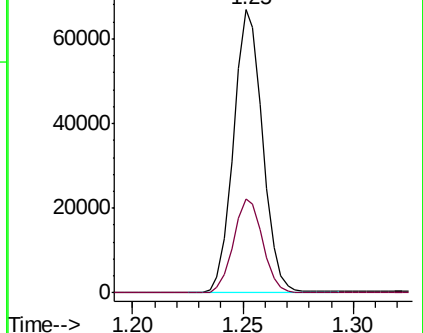
50 100

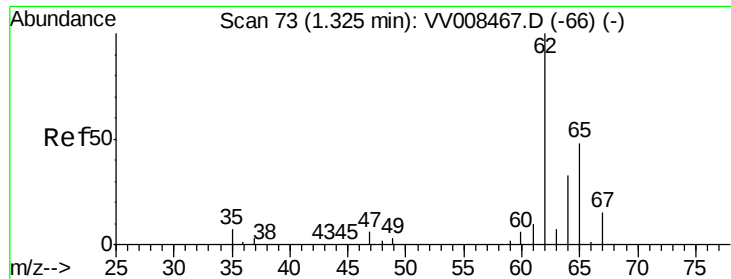
52 33.2 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VV008467.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VV008467.D (-43) (-)





#5

Vinyl chloride

Concen: 47.151 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV008490.D

Acq: 30 Oct 2018 23:59

Instrument :

MSVOA_V

ClientSampleId :

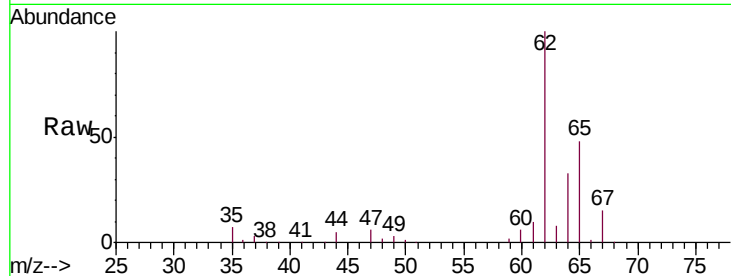
VSTD05064

Tgt Ion: 62 Resp: 57810

Ion Ratio Lower Upper

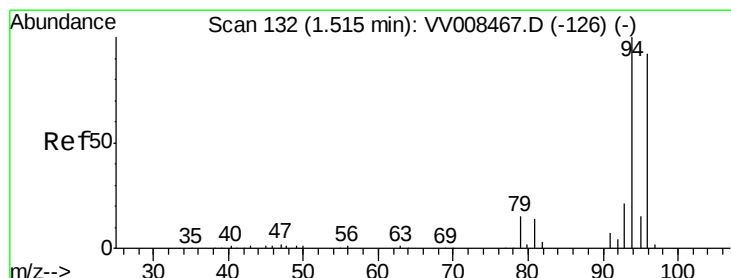
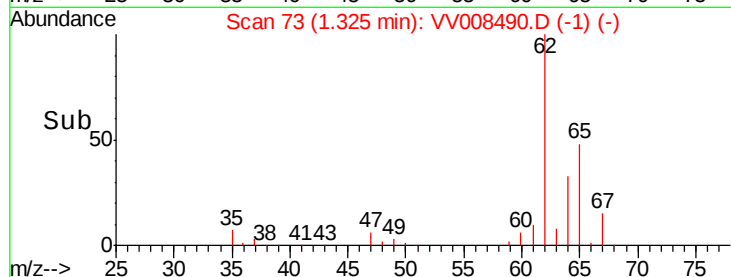
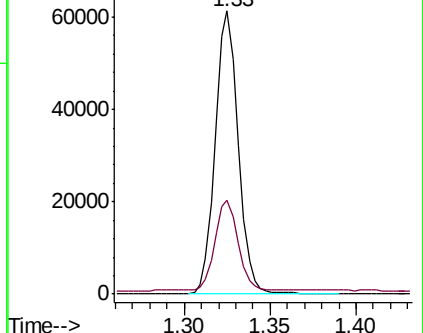
62 100

64 33.3 24.4 45.4



Abundance Ion 62.00 (61.70 to 62.70): VV008467.D (-66) (-)

Ion 64.00 (63.70 to 64.70): VV008467.D (-66) (-)



#6

Bromomethane

Concen: 32.487 ug/L

RT: 1.51 min Scan# 132

Delta R.T. 0.00 min

Lab File: VV008490.D

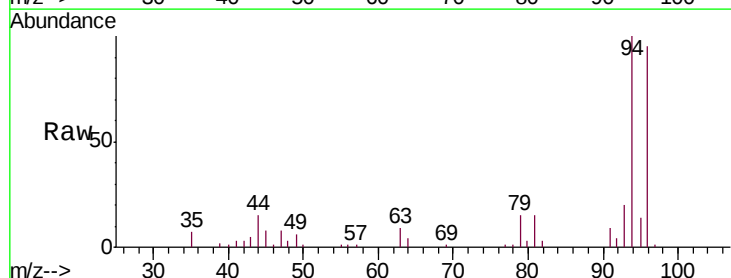
Acq: 30 Oct 2018 23:59

Tgt Ion: 94 Resp: 10929

Ion Ratio Lower Upper

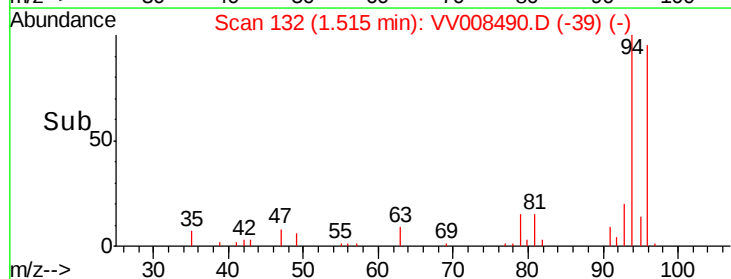
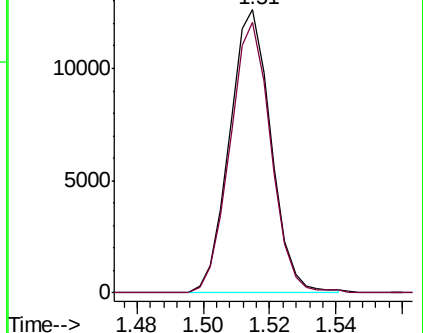
94 100

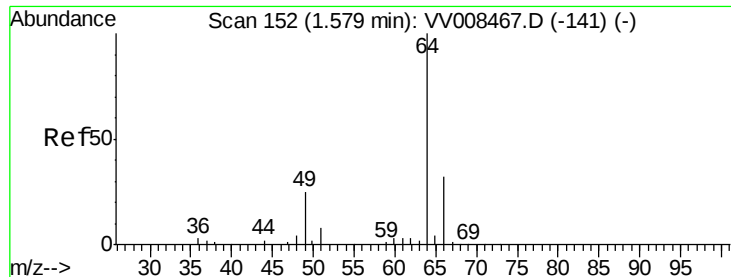
96 95.4 63.8 118.6



Abundance Ion 94.00 (93.70 to 94.70): VV008467.D (-126) (-)

Ion 96.00 (95.70 to 96.70): VV008467.D (-126) (-)





#8

Chloroethane

Concen: 51.693 ug/L

RT: 1.58 min Scan# 151

Delta R.T. -0.00 min

Lab File: VV008490.D

Acq: 30 Oct 2018 23:59

Instrument :

MSVOA_V

ClientSampleId :

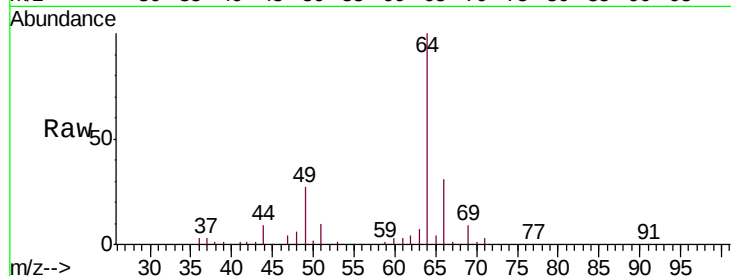
VSTD05064

Tgt Ion: 64 Resp: 33296

Ion Ratio Lower Upper

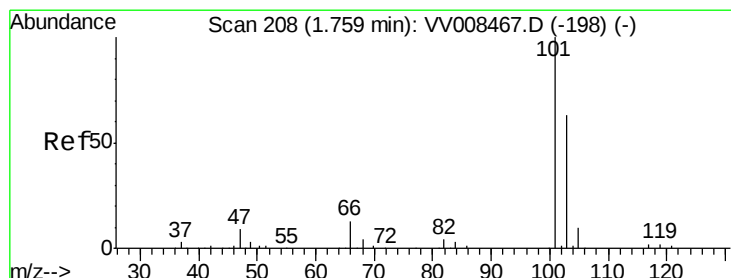
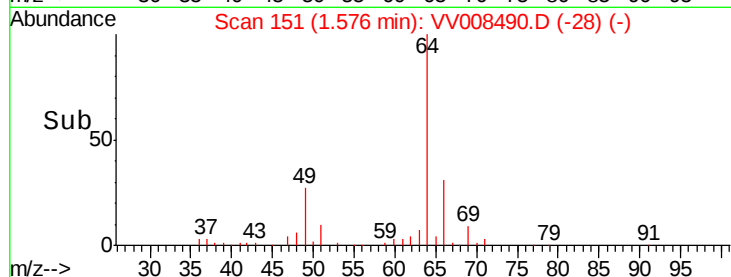
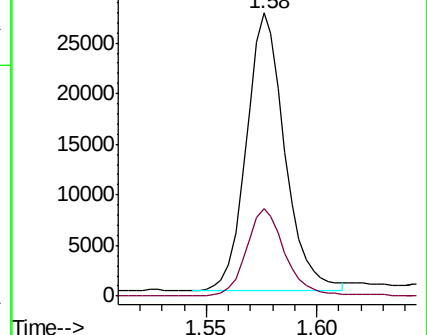
64 100

66 31.0 19.9 36.9



Abundance Ion 64.00 (63.70 to 64.70): VV008467.D (-141) (-)

Ion 66.00 (65.70 to 66.70): VV008467.D (-141) (-)



#9

Trichlorofluoromethane

Concen: 48.106 ug/L

RT: 1.76 min Scan# 207

Delta R.T. -0.00 min

Lab File: VV008490.D

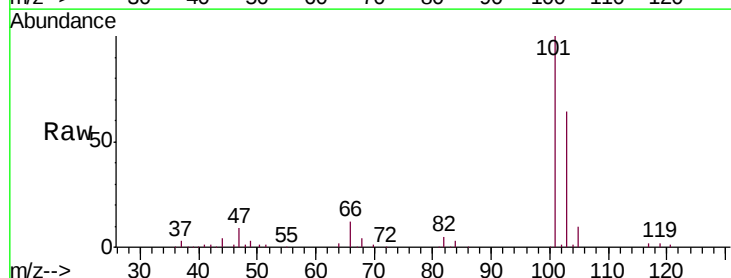
Acq: 30 Oct 2018 23:59

Tgt Ion: 101 Resp: 75908

Ion Ratio Lower Upper

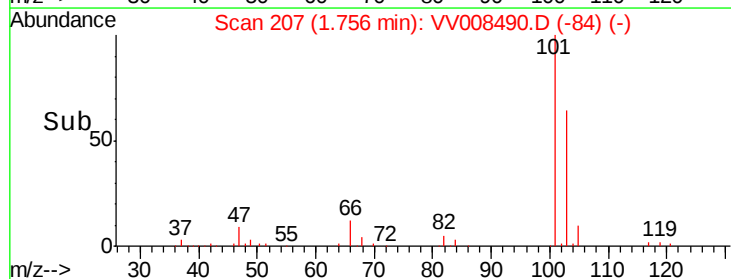
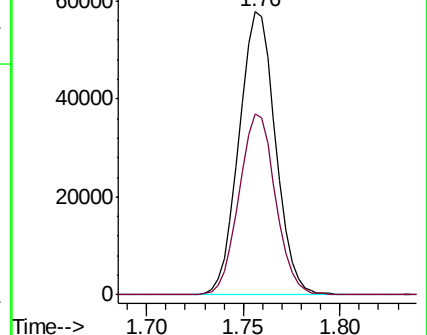
101 100

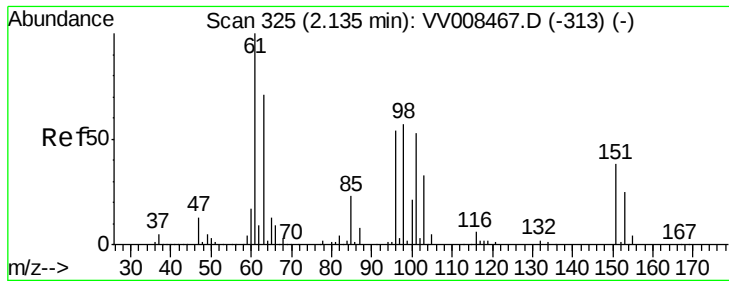
103 64.0 51.0 76.6



Abundance Ion 101.00 (100.70 to 101.70): VV008467.D (-198) (-)

Ion 103.00 (102.70 to 103.70): VV008467.D (-198) (-)





#10

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

Concen: 50.290 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV008490.D

Acq: 30 Oct 2018 23:59

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ClientSampleId :

VSTD05064

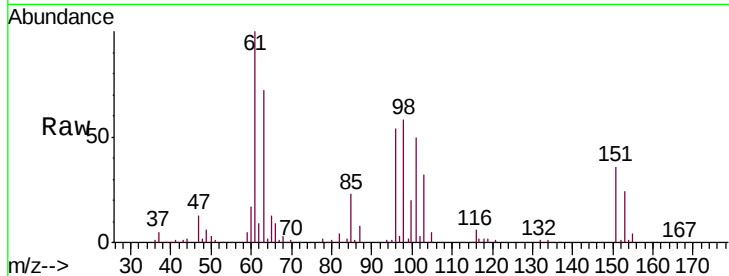
Tgt Ion: 101 Resp: 41457

Ion Ratio Lower Upper

101 100

85 44.1 35.6 53.4

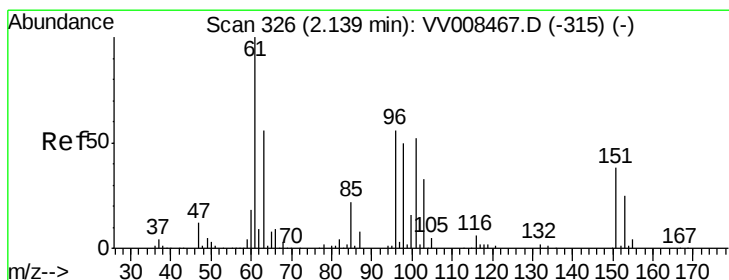
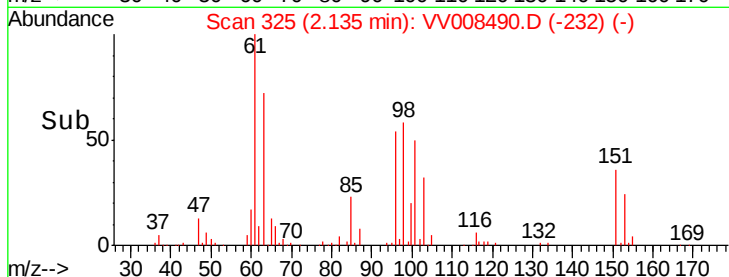
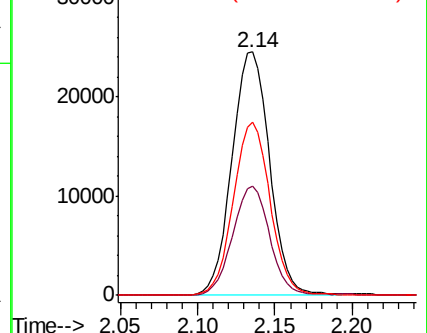
151 69.4 58.1 87.1



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: 48.220 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV008490.D

Acq: 30 Oct 2018 23:59

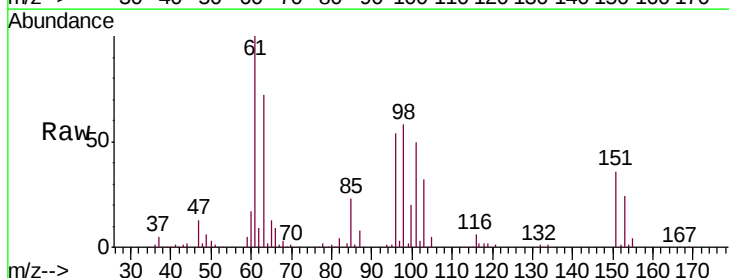
Tgt Ion: 96 Resp: 37426

Ion Ratio Lower Upper

96 100

61 184.1 130.3 242.1

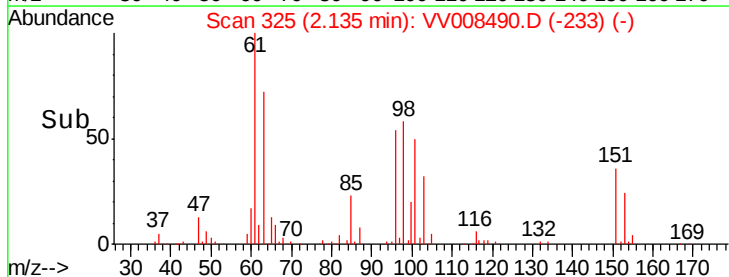
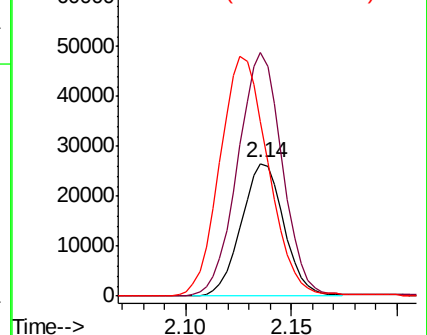
63 131.7 84.4 156.8

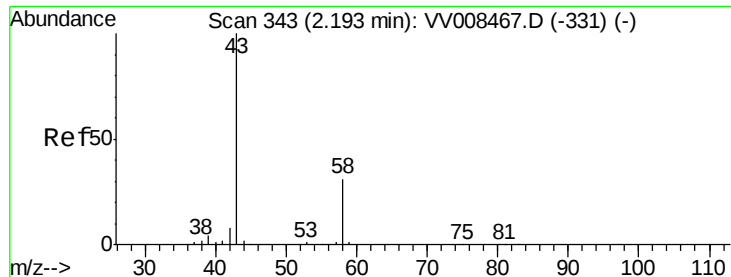


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 75.227 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.00 min

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ClientSampleId :

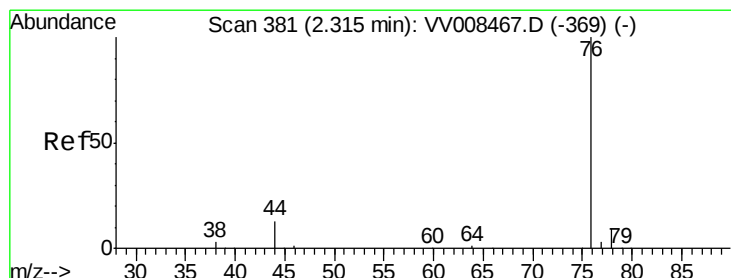
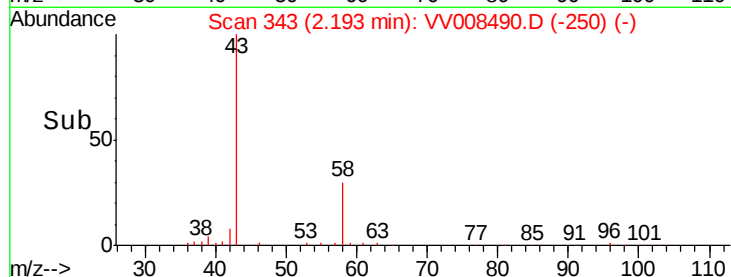
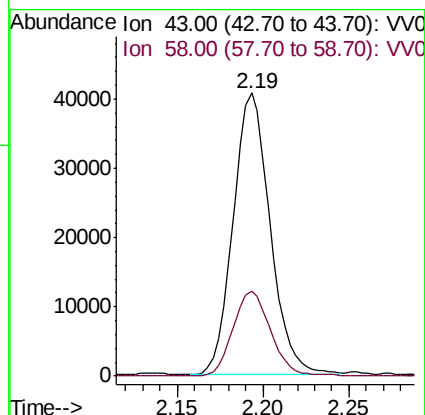
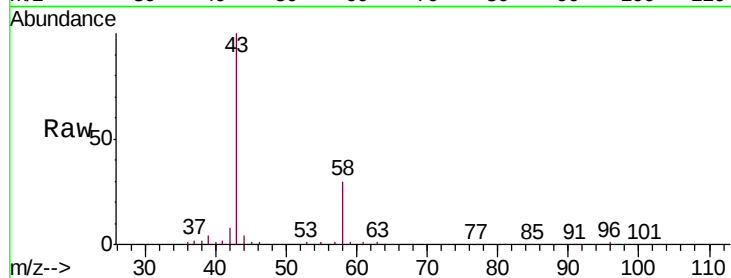
VSTD05064

Tgt Ion: 43 Resp: 60772

Ion Ratio Lower Upper

43 100

58 30.7 0.0 61.4



#14

Carbon disulfide

Concen: 44.843 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

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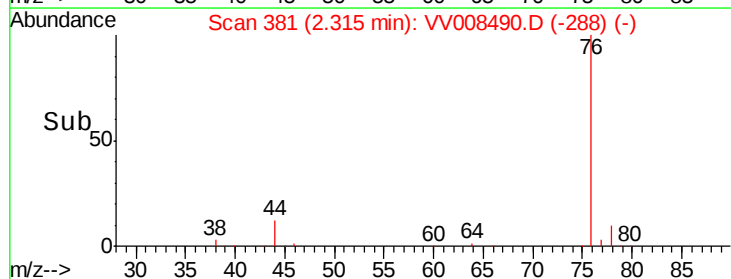
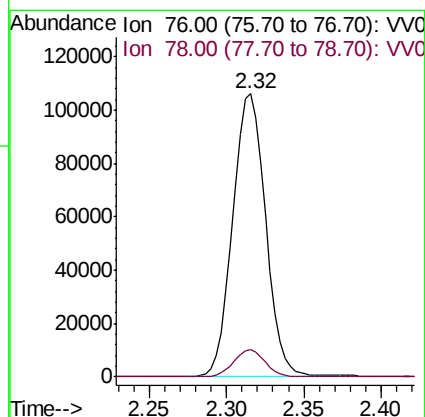
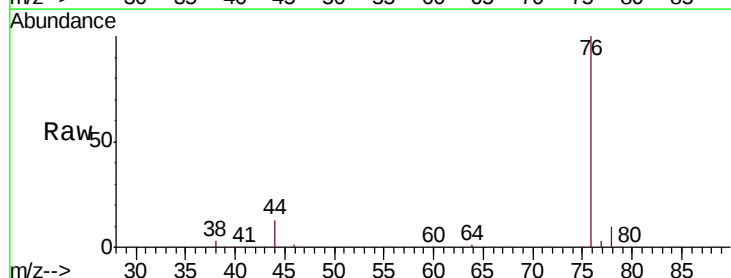
Acq: 30 Oct 2018 23:59

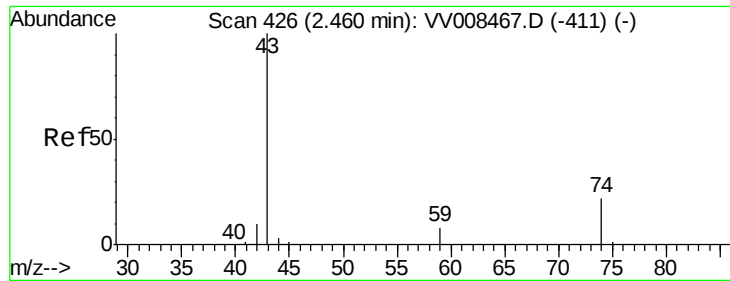
Tgt Ion: 76 Resp: 156760

Ion Ratio Lower Upper

76 100

78 9.5 7.3 10.9





#15

Methyl Acetate

Concen: 45.744 ug/L

RT: 2.46 min Scan# 426

Delta R.T. 0.00 min

Lab File: VV008490.D

Acq: 30 Oct 2018 23:59

Instrument :

MSVOA_V

ClientSampleId :

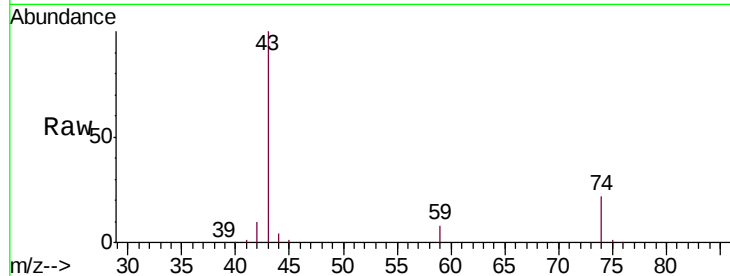
VSTD05064

Tgt Ion: 43 Resp: 73693

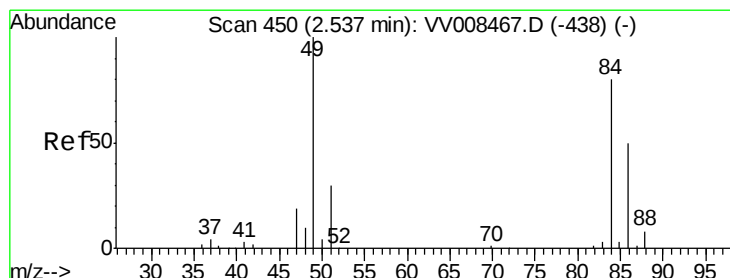
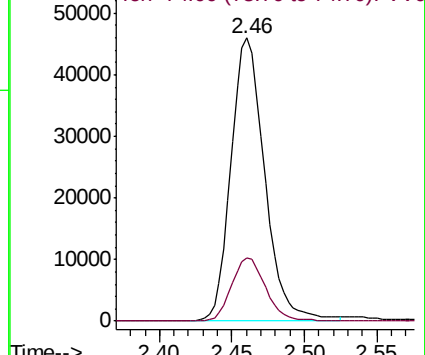
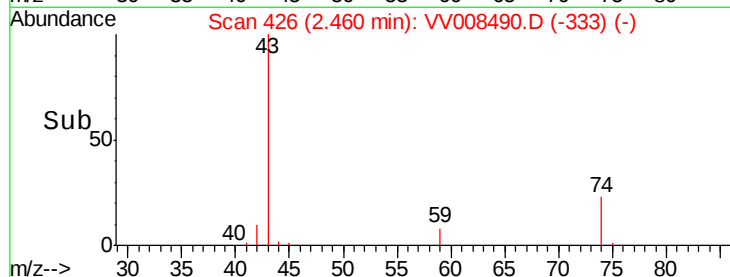
Ion Ratio Lower Upper

43 100

74 22.8 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): VV008490.D (-333) (-)



#16

Methylene chloride

Concen: 48.053 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

Lab File: VV008490.D

Acq: 30 Oct 2018 23:59

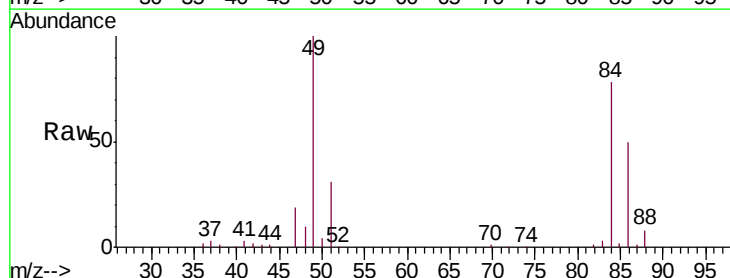
Tgt Ion: 84 Resp: 64595

Ion Ratio Lower Upper

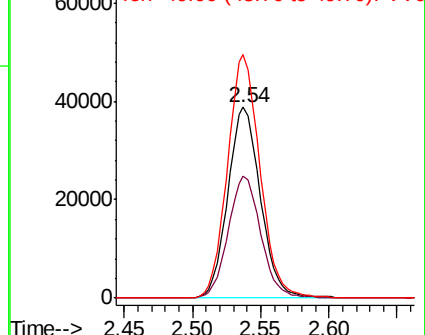
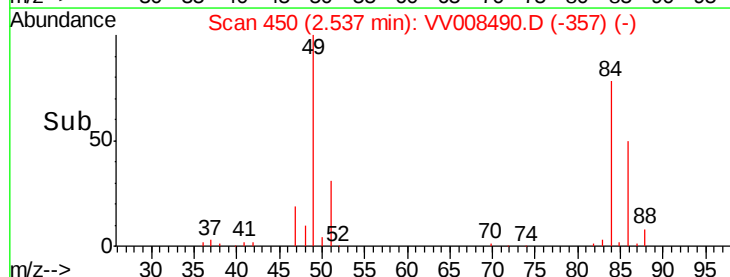
84 100

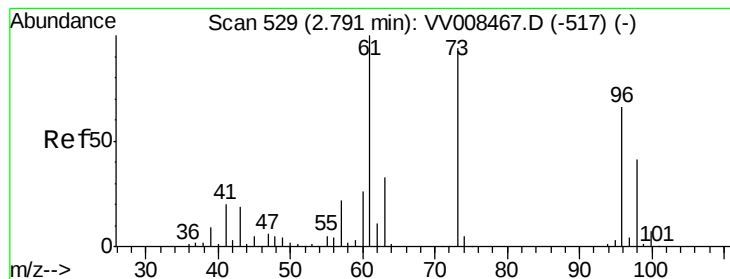
86 63.7 45.6 84.6

49 127.6 90.6 168.3



Abundance Ion 84.00 (83.70 to 84.70): VV008490.D (-357) (-)





#17

trans-1,2-Dichloroethene

Concen: 47.887 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV008490.D

Acq: 30 Oct 2018 23:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD05064

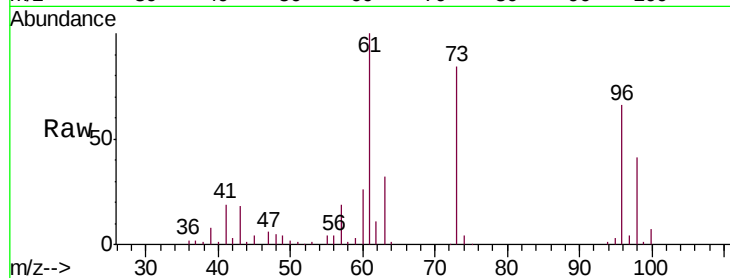
Tgt Ion: 96 Resp: 56655

Ion Ratio Lower Upper

96 100

61 152.4 108.6 201.6

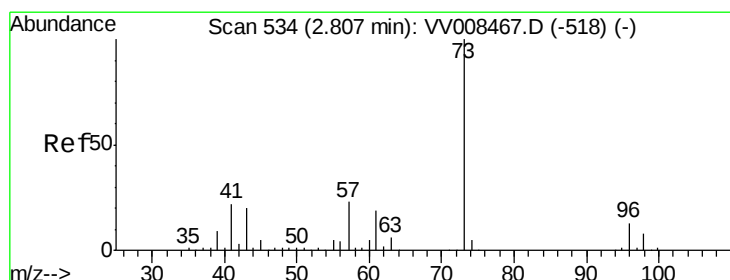
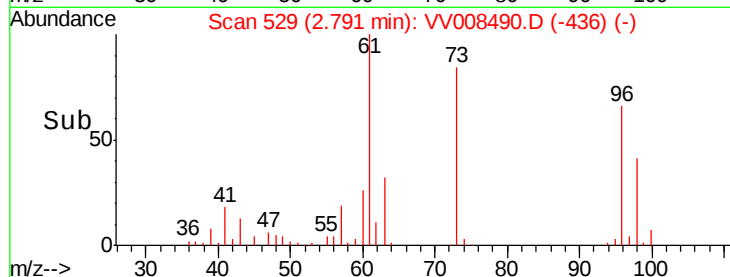
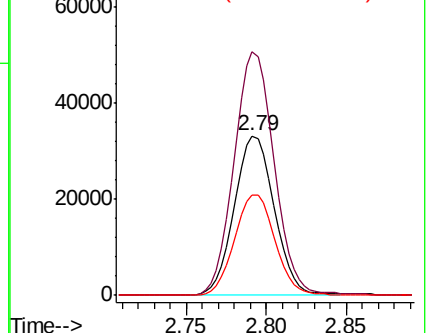
98 63.1 44.3 82.3



Abundance Ion 96.00 (95.70 to 96.70): VV008490.D (-436) (-)

Ion 61.00 (60.70 to 61.70): VV008490.D (-436) (-)

Ion 98.00 (97.70 to 98.70): VV008490.D (-436) (-)



#18

Methyl tert-butyl Ether

Concen: 50.358 ug/L

RT: 2.81 min Scan# 534

Delta R.T. 0.00 min

Lab File: VV008490.D

Acq: 30 Oct 2018 23:59

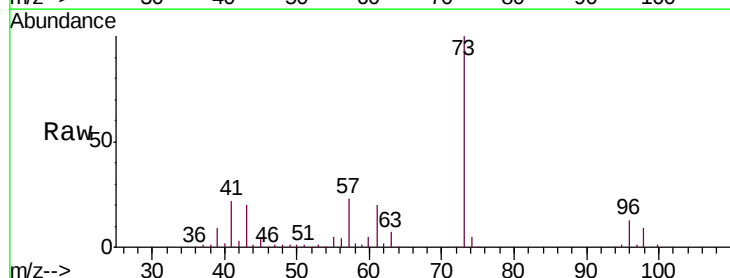
Tgt Ion: 73 Resp: 213248

Ion Ratio Lower Upper

73 100

43 19.9 16.2 24.4

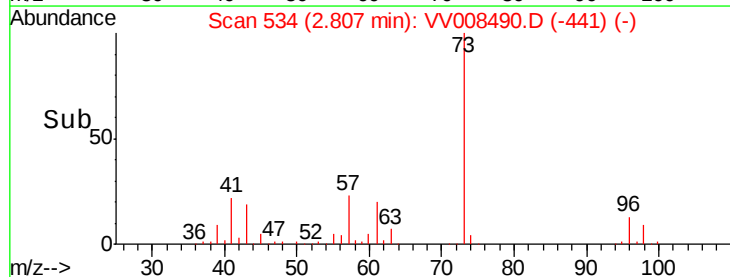
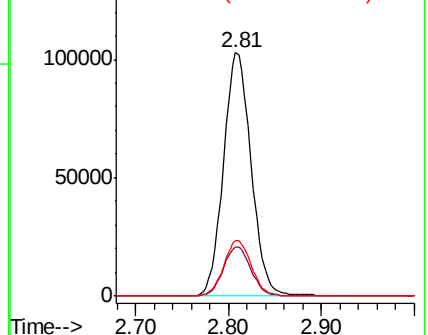
57 22.8 18.2 27.2

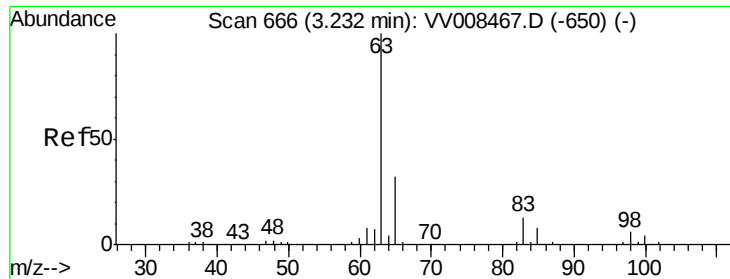


Abundance Ion 73.00 (72.70 to 73.70): VV008490.D (-441) (-)

Ion 43.00 (42.70 to 43.70): VV008490.D (-441) (-)

Ion 57.00 (56.70 to 57.70): VV008490.D (-441) (-)





#19

1,1-Dichloroethane

Concen: 49.181 ug/L

RT: 3.23 min Scan# 666

Delta R.T. 0.00 min

Lab File: VV008490.D

Acq: 30 Oct 2018 23:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD05064

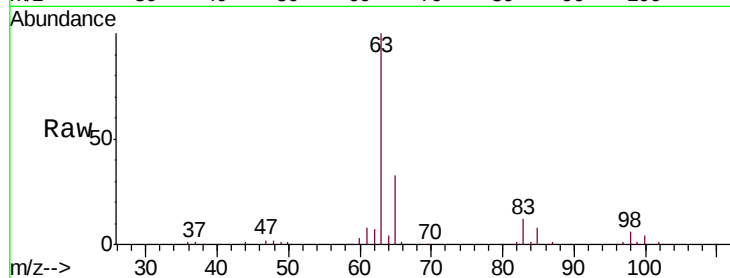
Tgt Ion: 63 Resp: 120005

Ion Ratio Lower Upper

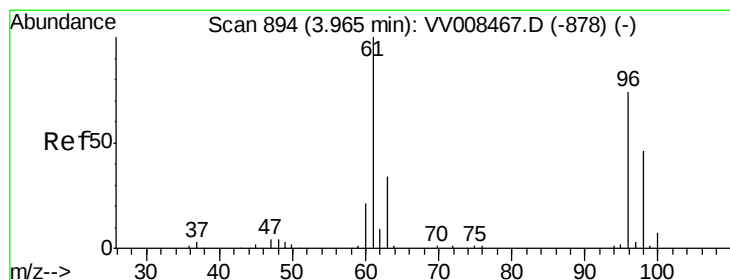
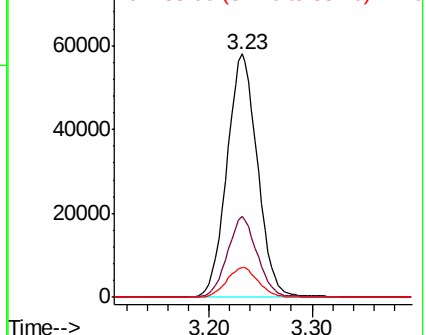
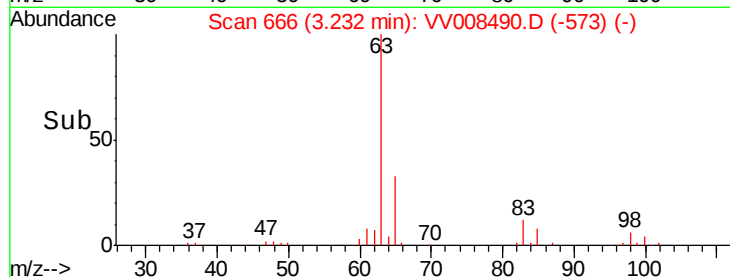
63 100

65 33.1 22.0 40.8

83 12.1 9.3 17.3



Abundance Ion 63.00 (62.70 to 63.70): VV008490.D (-573) (-)



#20

cis-1,2-Dichloroethene

Concen: 50.295 ug/L

RT: 3.97 min Scan# 895

Delta R.T. 0.00 min

Lab File: VV008490.D

Acq: 30 Oct 2018 23:59

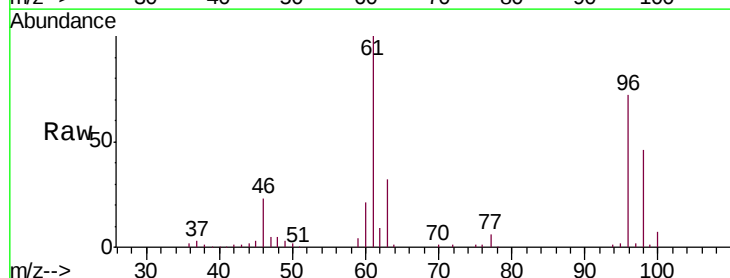
Tgt Ion: 96 Resp: 67792

Ion Ratio Lower Upper

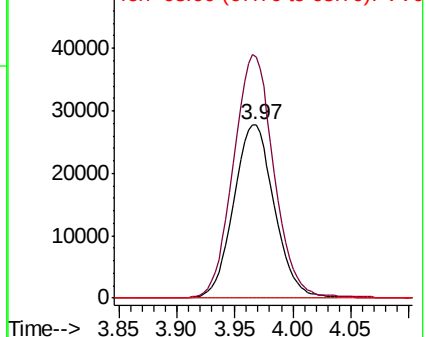
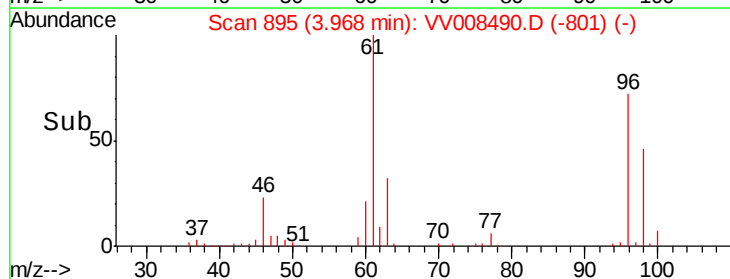
96 100

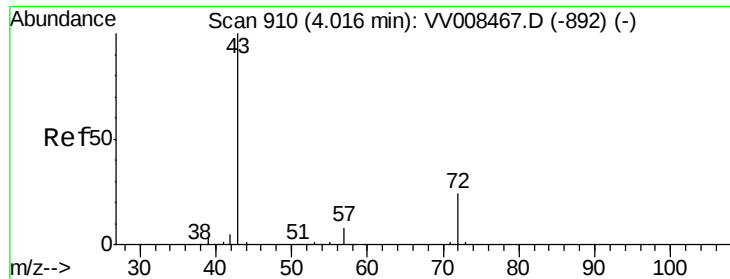
61 138.8 100.9 187.5

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV008490.D (-801) (-)





#22

2-Butanone

Concen: 86.791 ug/L

RT: 4.02 min Scan# 911

Delta R.T. 0.00 min

Lab File: VV008490.D

Acq: 30 Oct 2018 23:59

Instrument :

MSVOA_V

ClientSampleId :

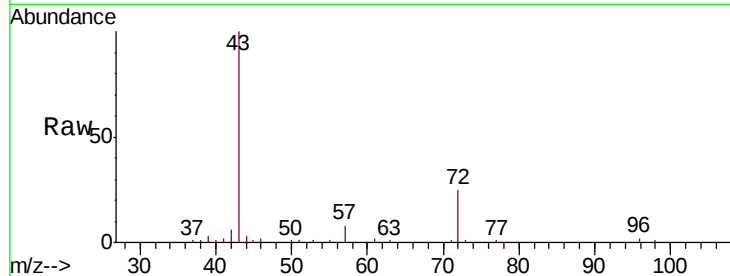
VSTD05064

Tgt Ion: 43 Resp: 101292

Ion Ratio Lower Upper

43 100

72 24.0 13.0 38.9



Abundance Ion 43.00 (42.70 to 43.70): VV008467.D (-892) (-)

Ion 72.00 (71.70 to 72.70): VV008467.D (-892) (-)

4.02

40000

30000

20000

10000

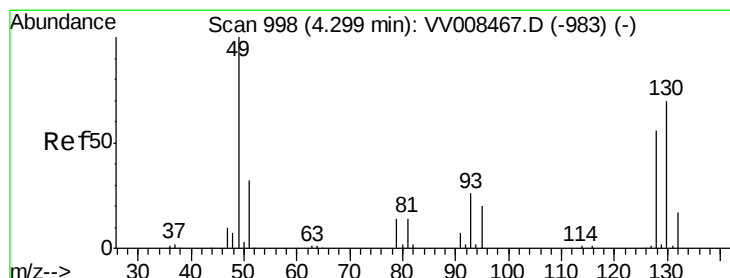
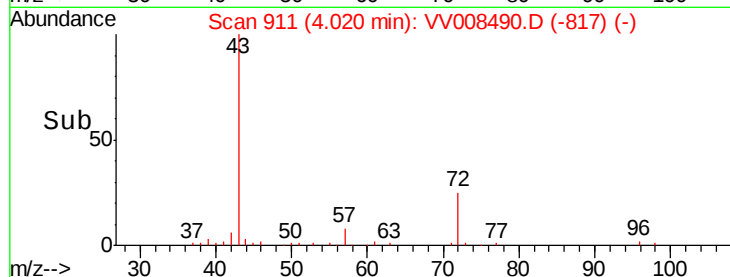
0

Time-->

3.90

4.00

4.10



#23

Bromochloromethane

Concen: 49.182 ug/L

RT: 4.30 min Scan# 999

Delta R.T. 0.00 min

Lab File: VV008490.D

Acq: 30 Oct 2018 23:59

Tgt Ion: 128 Resp: 31264

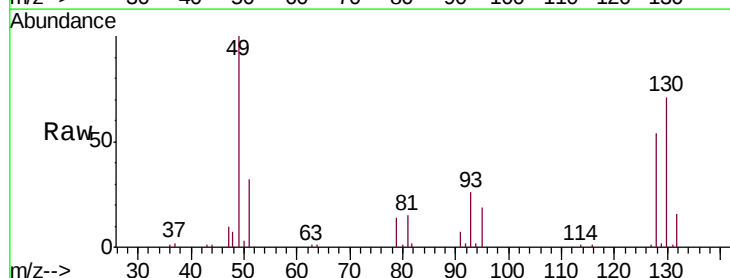
Ion Ratio Lower Upper

128 100

49 184.3 128.0 237.8

130 130.6 89.2 165.8

51 58.6 46.8 70.2



Abundance Ion 128.00 (127.70 to 128.70): VV008490.D (-905) (-)

Ion 49.00 (48.70 to 49.70): VV008490.D (-905) (-)

Ion 130.00 (129.70 to 130.70): VV008490.D (-905) (-)

Ion 51.00 (50.70 to 51.70): VV008490.D (-905) (-)

4.30

30000

20000

10000

0

Time-->

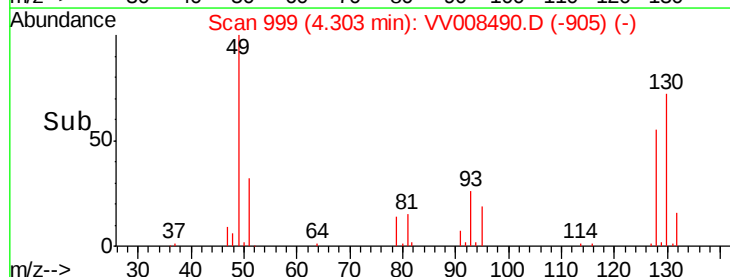
4.20

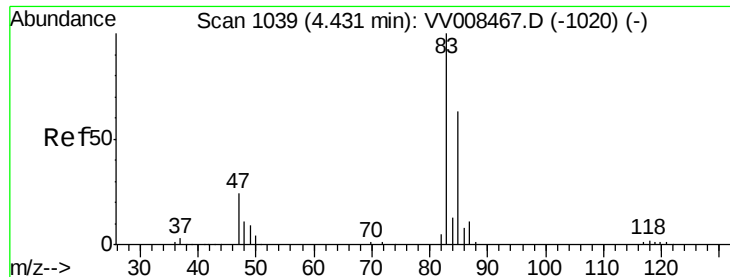
4.25

4.30

4.35

4.40

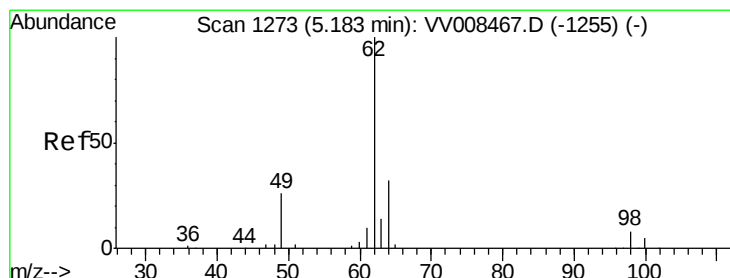
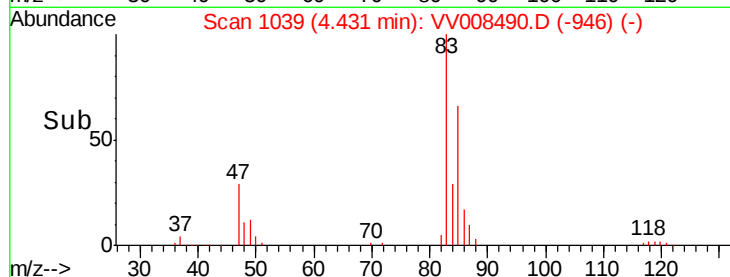
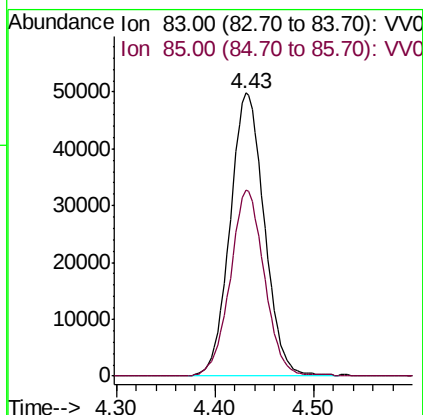
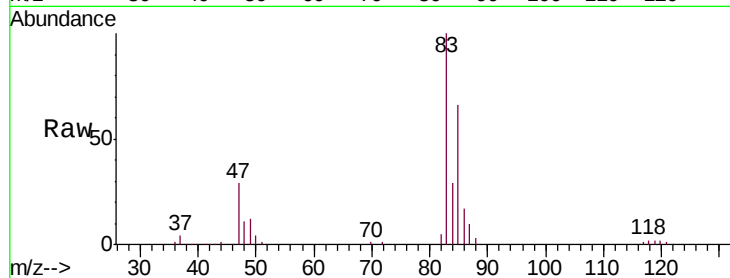




#25
Chloroform
Concen: 50.666 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. 0.00 min
Lab File: VV008490.D
Acq: 30 Oct 2018 23:59

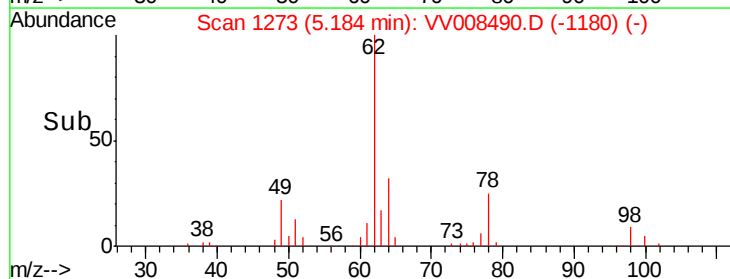
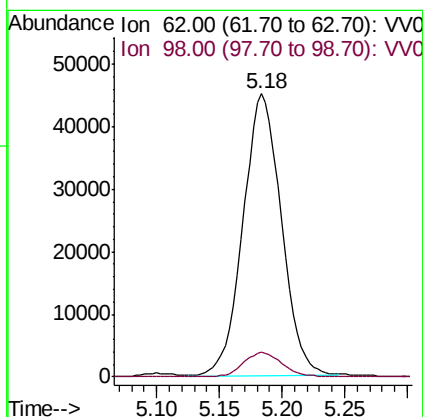
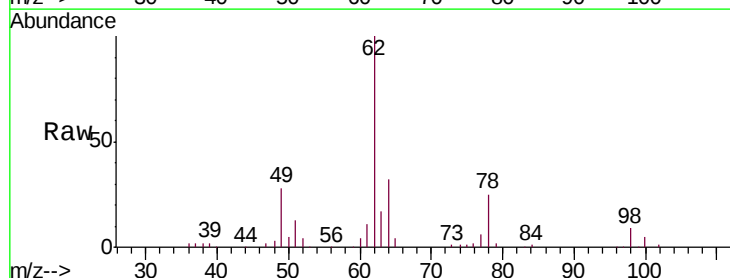
Instrument :
MSVOA_V
ClientSampled :
VSTD05064

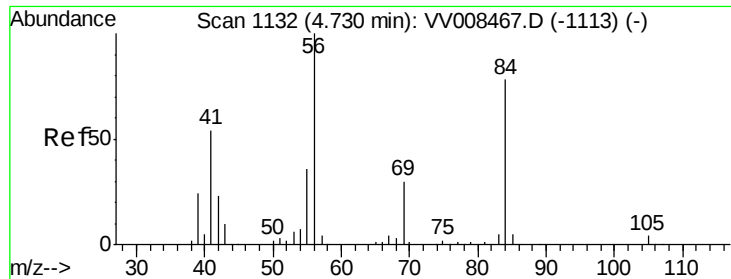
Tgt Ion: 83 Resp: 120689
Ion Ratio Lower Upper
83 100
85 65.9 45.8 85.2



#27
1,2-Dichloroethane
Concen: 48.266 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VV008490.D
Acq: 30 Oct 2018 23:59

Tgt Ion: 62 Resp: 96031
Ion Ratio Lower Upper
62 100
98 8.7 6.6 9.8

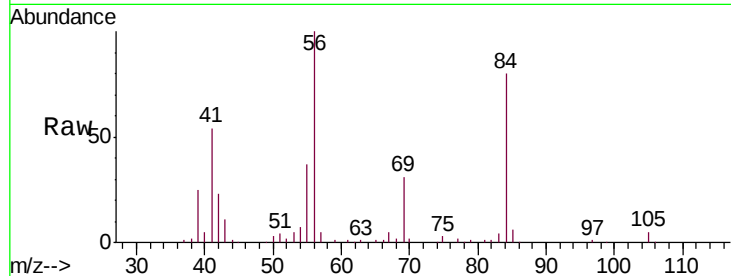




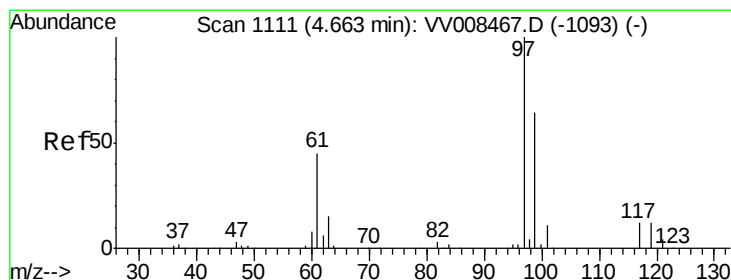
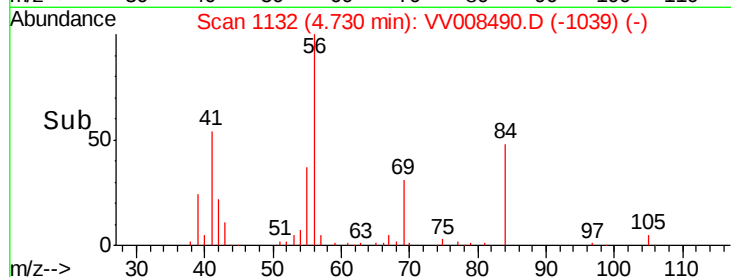
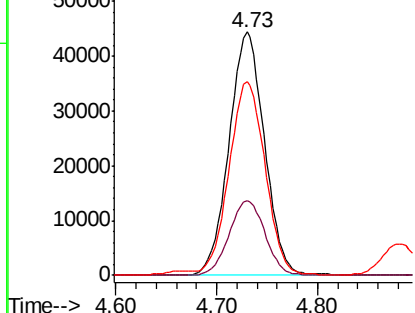
#29
Cyclohexane
Concen: 46.139 ug/L
RT: 4.73 min Scan# 1132
Delta R.T. 0.00 min
Lab File: VV008490.D
Acq: 30 Oct 2018 23:59

Instrument :
MSVOA_V
ClientSampleId :
VSTD05064

Tgt Ion: 56 Resp: 108543
Ion Ratio Lower Upper
56 100
69 31.0 24.6 37.0
84 81.4 65.0 97.4

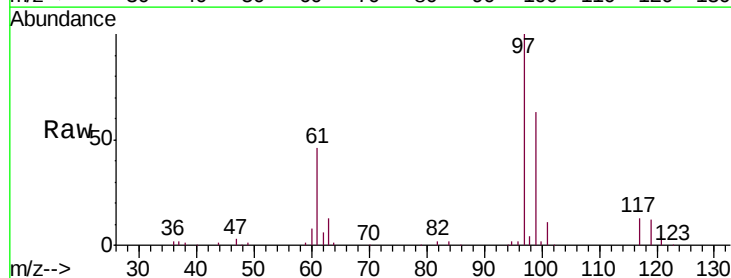


Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0

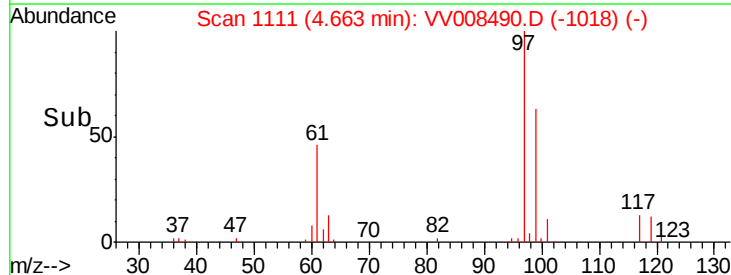
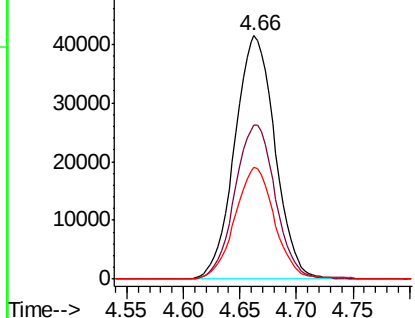


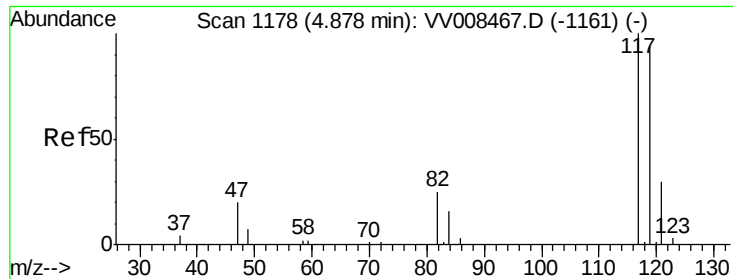
#30
1,1,1-Trichloroethane
Concen: 49.024 ug/L
RT: 4.66 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VV008490.D
Acq: 30 Oct 2018 23:59

Tgt Ion: 97 Resp: 102721
Ion Ratio Lower Upper
97 100
99 63.5 51.6 77.4
61 45.4 36.5 54.7



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 48.539 ug/L

RT: 4.88 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VV008490.D

Acq: 30 Oct 2018 23:59

Instrument :

MSVOA_V

ClientSampleId :

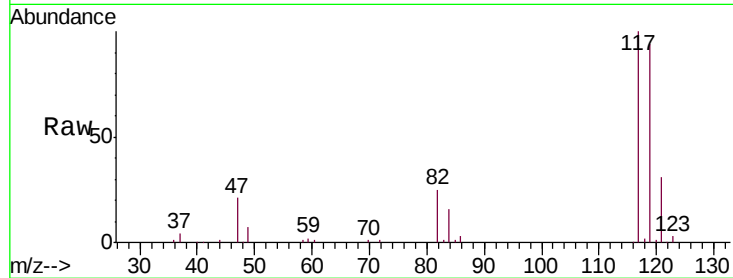
VSTD05064

Tgt Ion:117 Resp: 86310

Ion Ratio Lower Upper

117 100

119 95.4 75.8 113.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

4.88

40000

30000

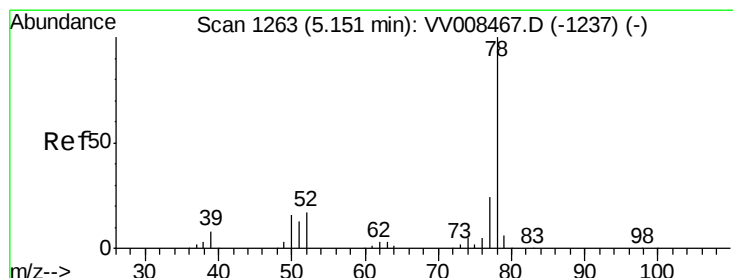
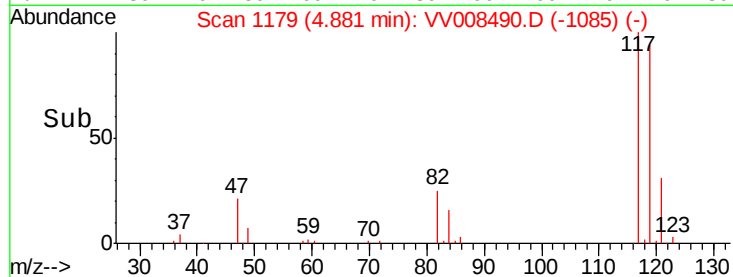
20000

10000

0

Time-->

4.80 4.90 5.00



#33

Benzene

Concen: 49.025 ug/L

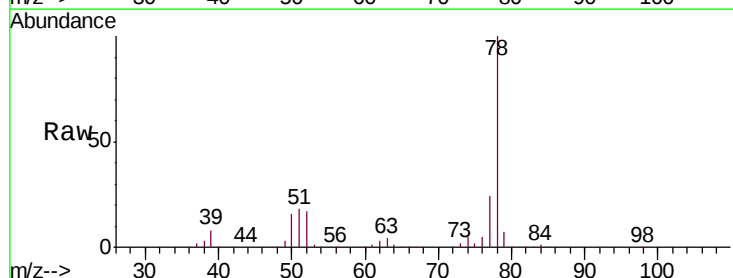
RT: 5.15 min Scan# 1263

Delta R.T. 0.00 min

Lab File: VV008490.D

Acq: 30 Oct 2018 23:59

Tgt Ion: 78 Resp: 258934



Abundance Ion 78.00 (77.70 to 78.70): VV0

5.15

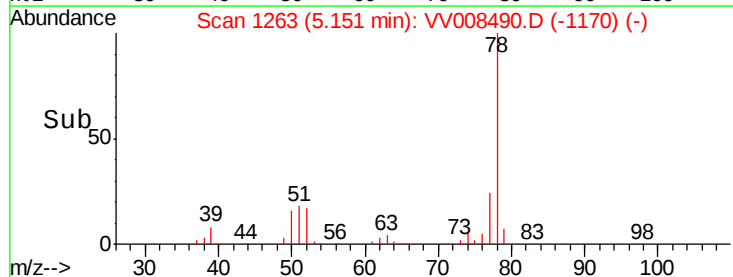
100000

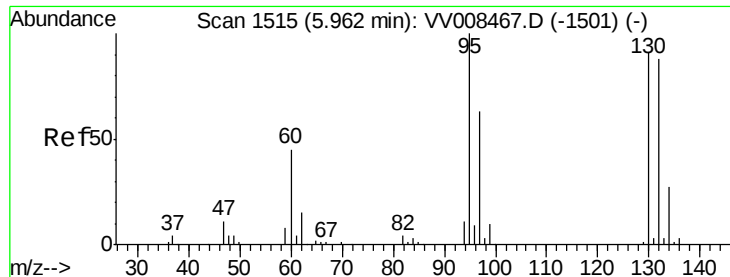
50000

0

Time-->

5.00 5.10 5.20 5.30





#34

Trichloroethene

Concen: 47.853 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. 0.00 min

Lab File: VV008490.D

Acq: 30 Oct 2018 23:59

Instrument :

MSVOA_V

ClientSampled :

VSTD05064

Tgt Ion: 95 Resp: 64707

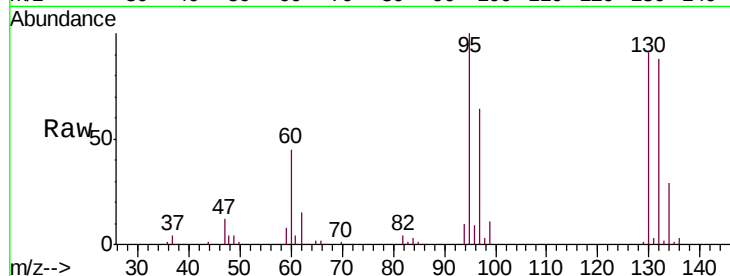
Ion Ratio Lower Upper

95 100

97 63.5 45.2 84.0

132 88.2 63.8 118.6

130 91.3 64.7 120.1

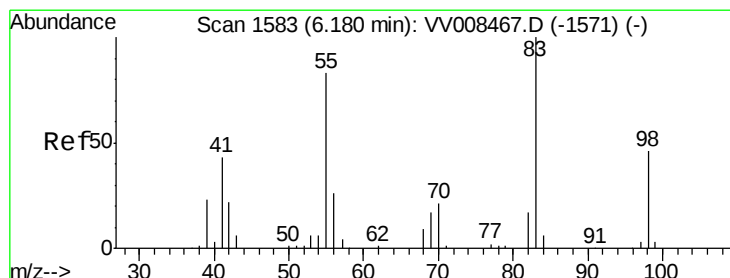
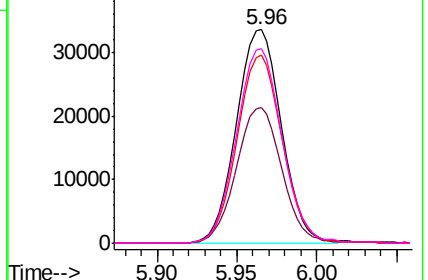
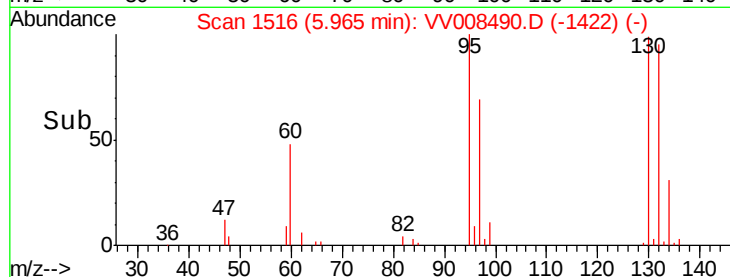


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 45.953 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VV008490.D

Acq: 30 Oct 2018 23:59

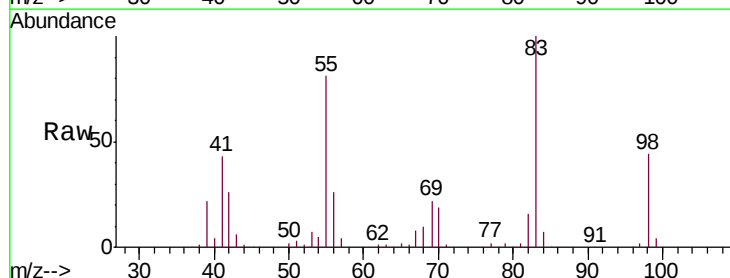
Tgt Ion: 83 Resp: 105642

Ion Ratio Lower Upper

83 100

55 82.3 65.0 97.4

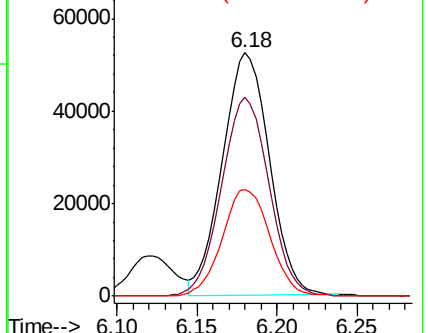
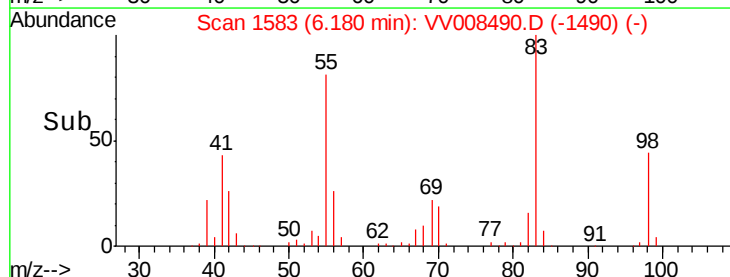
98 45.0 36.0 54.0

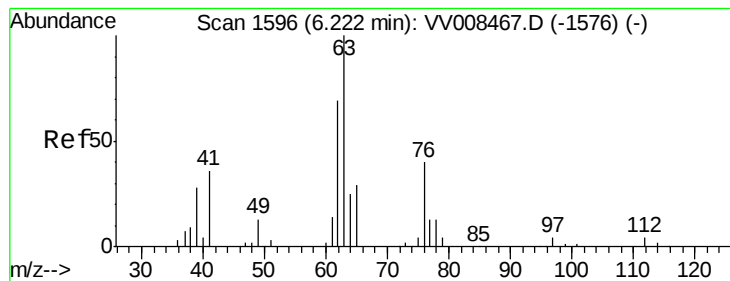


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 49.802 ug/L

RT: 6.23 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VV008490.D

Acq: 30 Oct 2018 23:59

Instrument :

MSVOA_V

ClientSampleId :

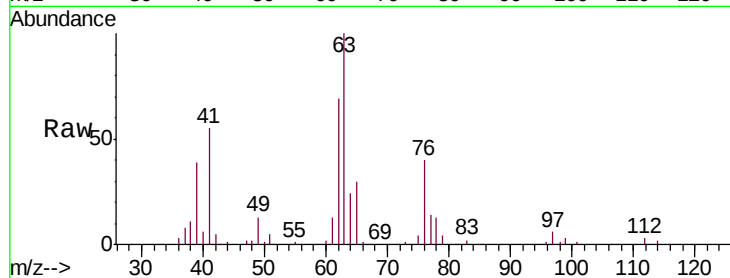
VSTD05064

Tgt Ion: 63 Resp: 72645

Ion Ratio Lower Upper

63 100

112 3.4 2.9 4.3



Abundance Ion 63.00 (62.70 to 63.70): VV008467.D (-1576) (-)

Ion 112.00 (111.70 to 112.70): VV008467.D (-1576) (-)

6.23

40000

30000

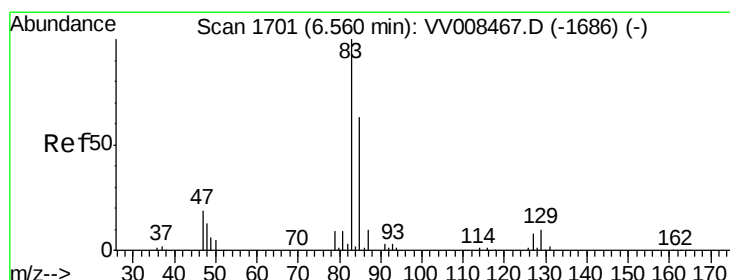
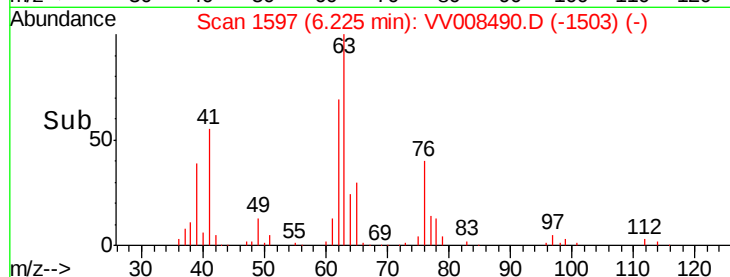
20000

10000

0

6.10 6.20 6.30

Time-->



#38

Bromodichloromethane

Concen: 48.606 ug/L

RT: 6.56 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VV008490.D

Acq: 30 Oct 2018 23:59

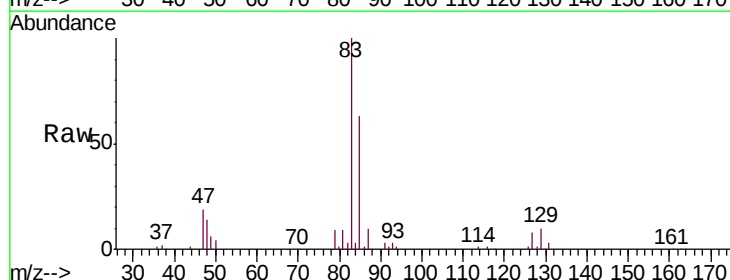
Tgt Ion: 83 Resp: 90347

Ion Ratio Lower Upper

83 100

85 62.5 44.3 82.3

127 7.9 6.3 9.5



Abundance Ion 83.00 (82.70 to 83.70): VV008467.D (-1686) (-)

Ion 85.00 (84.70 to 85.70): VV008467.D (-1686) (-)

Ion 127.00 (126.70 to 127.70): VV008467.D (-1686) (-)

6.56

60000

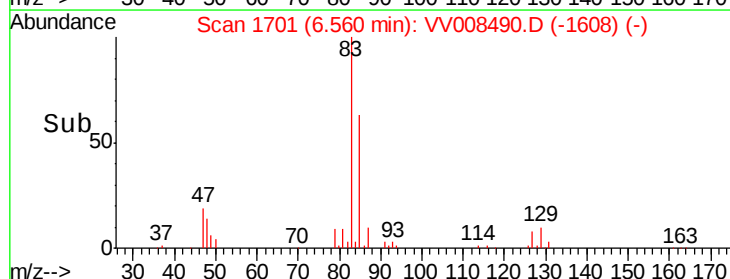
40000

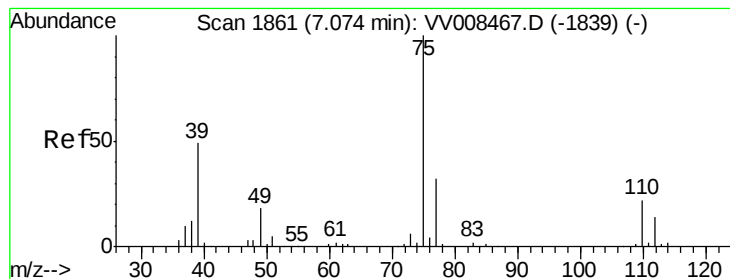
20000

0

6.50 6.55 6.60 6.65

Time-->



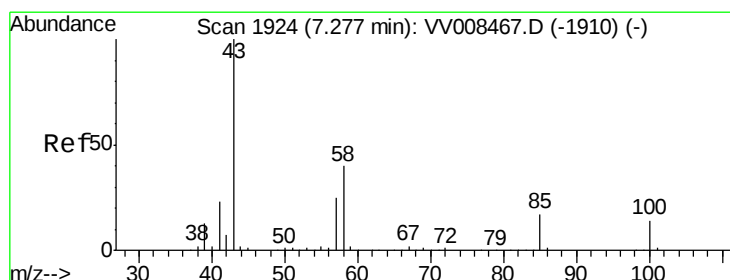
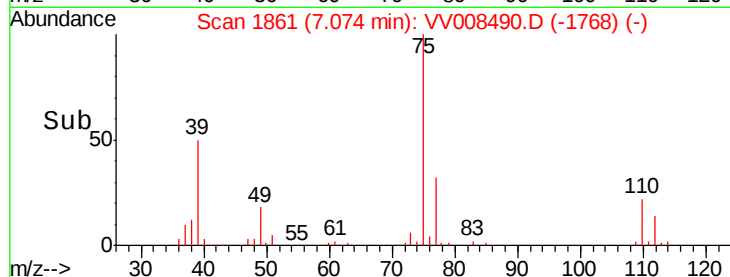
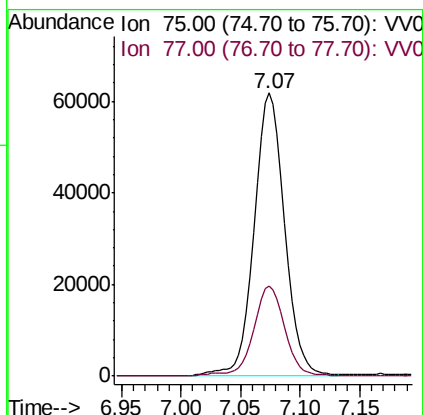
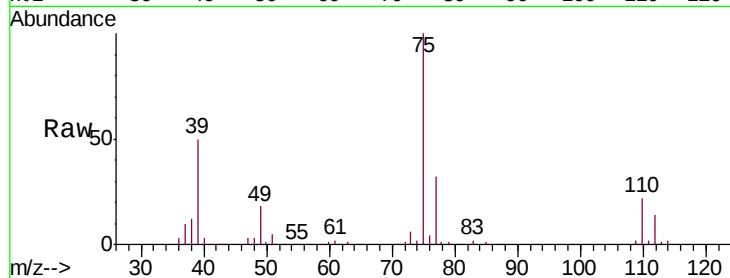


#39

cis-1,3-Dichloropropene
 Concen: 47.968 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VV008490.D
 Acq: 30 Oct 2018 23:59

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05064

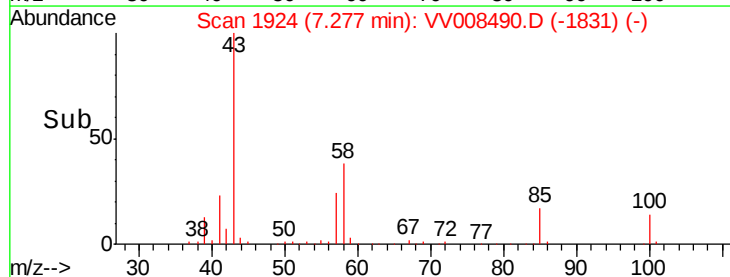
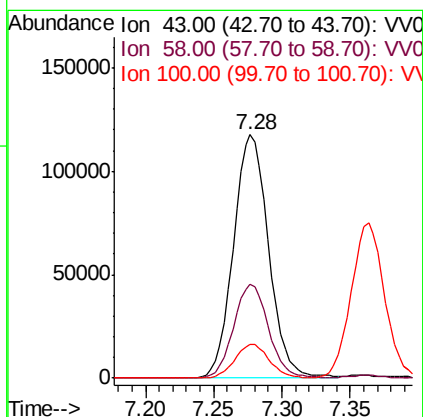
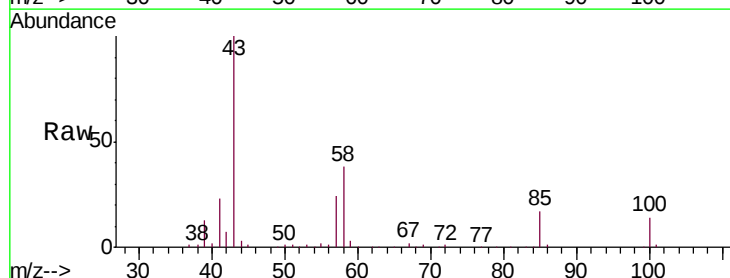
Tgt Ion: 75 Resp: 110001
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.6 42.0

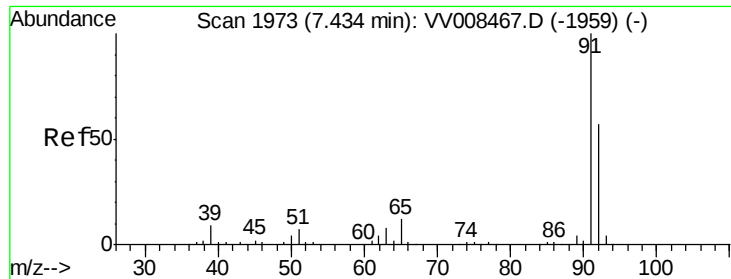


#40

4-Methyl-2-pentanone
 Concen: 97.283 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV008490.D
 Acq: 30 Oct 2018 23:59

Tgt Ion: 43 Resp: 210135
 Ion Ratio Lower Upper
 43 100
 58 38.3 30.9 46.3
 100 13.6 10.9 16.3





#42

Toluene

Concen: 49.023 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV008490.D

Acq: 30 Oct 2018 23:59

Instrument :

MSVOA_V

ClientSampleId :

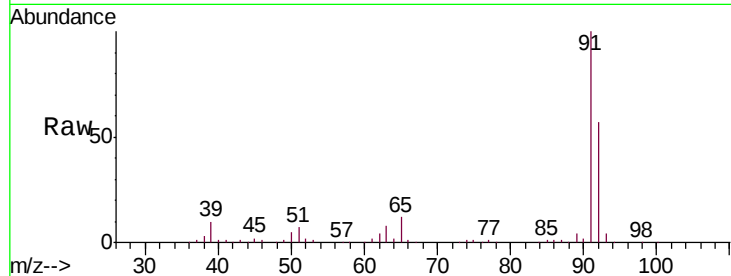
VSTD05064

Tgt Ion: 91 Resp: 268949

Ion Ratio Lower Upper

91 100

92 57.2 39.5 73.4



Abundance Ion 91.00 (90.70 to 91.70): VV008467.D (-1959) (-)

Ion 92.00 (91.70 to 92.70): VV008467.D (-1959) (-)

7.43

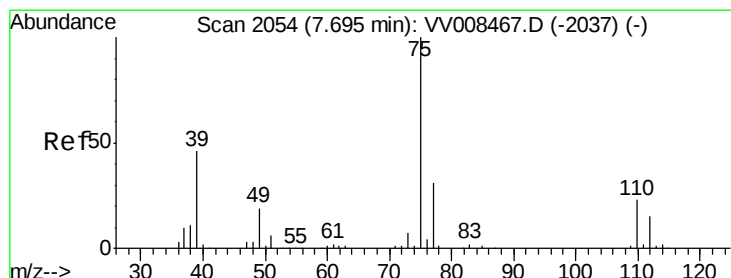
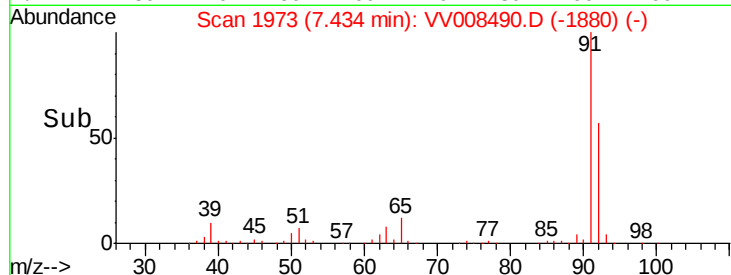
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 48.183 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV008490.D

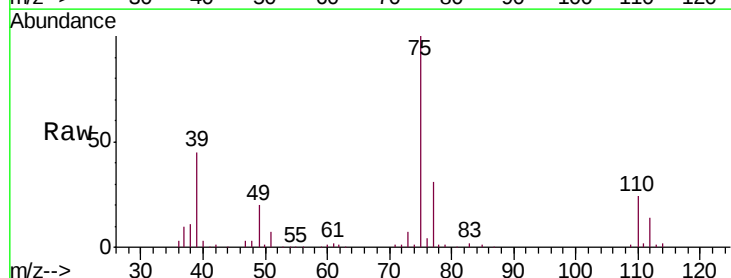
Acq: 30 Oct 2018 23:59

Tgt Ion: 75 Resp: 103373

Ion Ratio Lower Upper

75 100

77 31.1 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VV008467.D (-2037) (-)

Ion 77.00 (76.70 to 77.70): VV008467.D (-2037) (-)

7.70

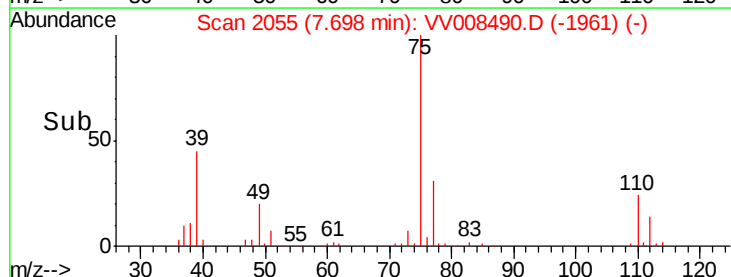
60000

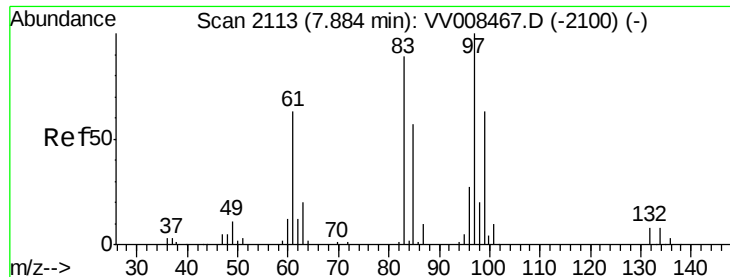
40000

20000

0

Time-->

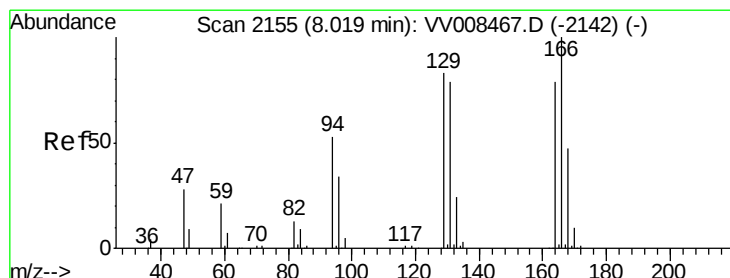
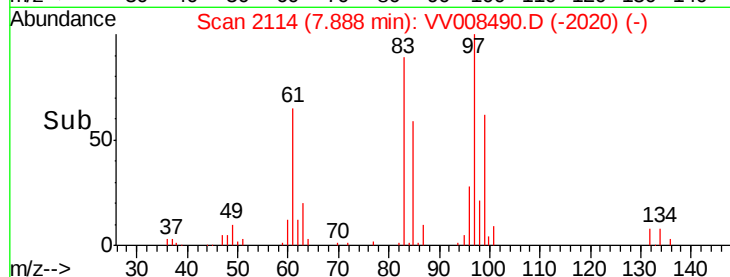
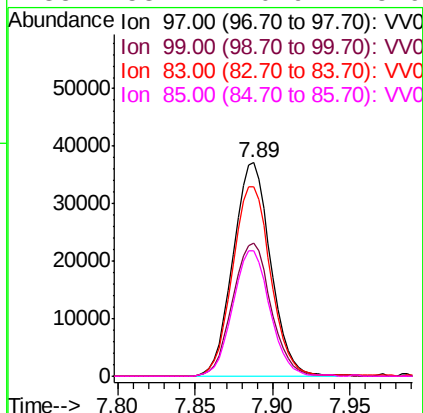
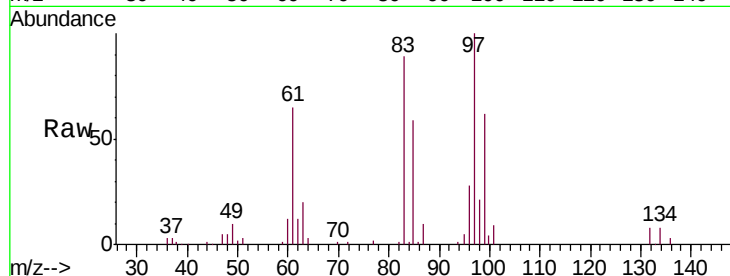




#45
 1,1,2-Trichloroethane
 Concen: 48.774 ug/L
 RT: 7.89 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VV008490.D
 Acq: 30 Oct 2018 23:59

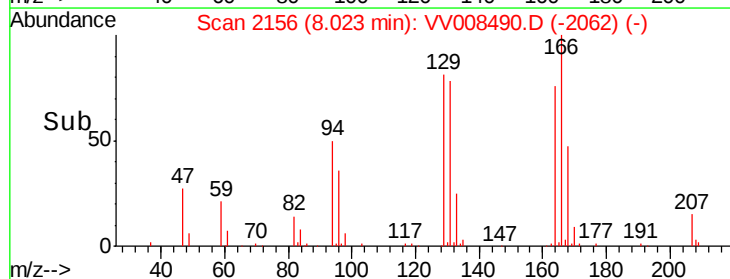
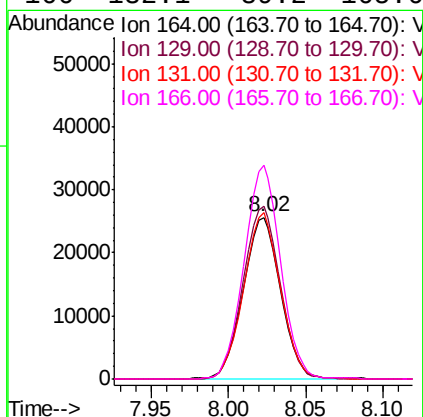
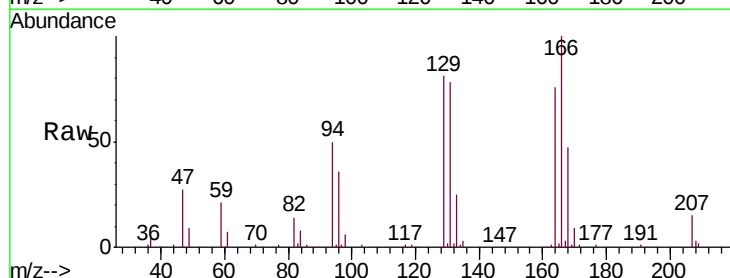
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05064

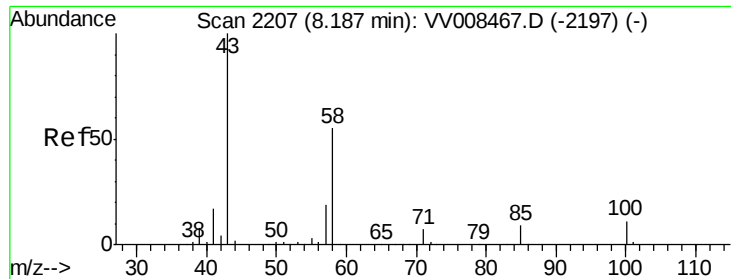
Tgt Ion:	97	Resp:	62905
Ion	Ratio	Lower	Upper
97	100		
99	62.1	43.3	80.3
83	88.8	61.9	114.9
85	58.7	40.9	75.9



#46
 Tetrachloroethene
 Concen: 49.062 ug/L
 RT: 8.02 min Scan# 2156
 Delta R.T. 0.00 min
 Lab File: VV008490.D
 Acq: 30 Oct 2018 23:59

Tgt Ion:	164	Resp:	43249
Ion	Ratio	Lower	Upper
164	100		
129	106.9	75.0	139.2
131	102.7	71.3	132.3
166	132.1	89.2	165.6

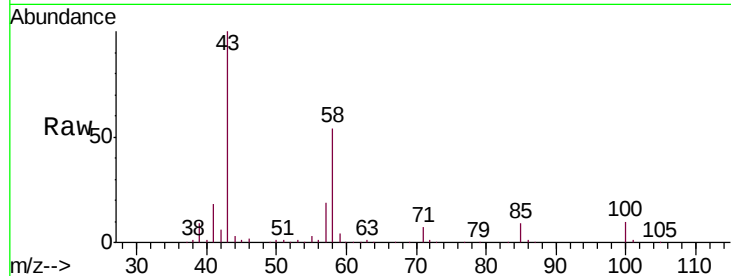




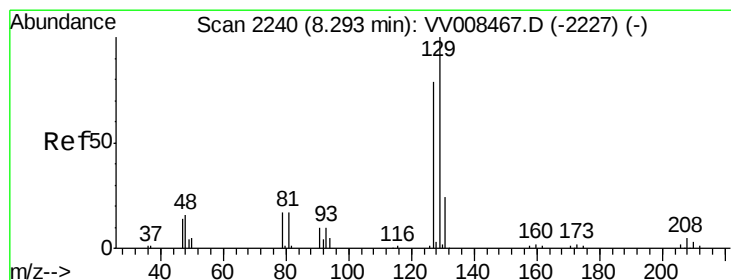
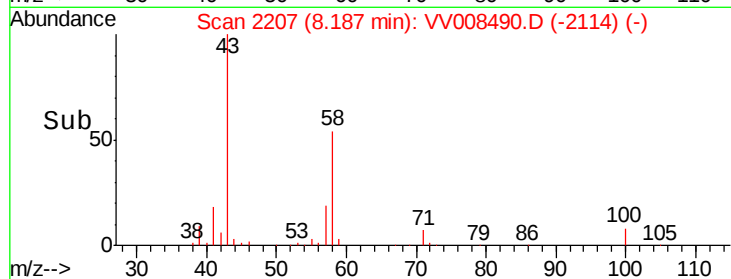
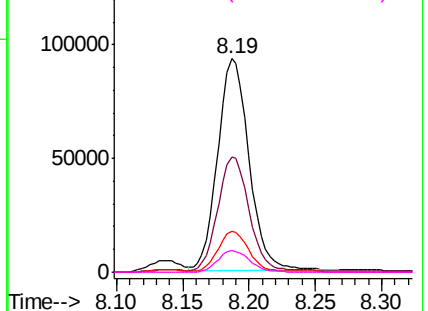
#48
2-Hexanone
Concen: 92.513 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV008490.D
Acq: 30 Oct 2018 23:59

Instrument :
MSVOA_V
ClientSampleId :
VSTD05064

Tgt Ion: 43 Resp: 154196
Ion Ratio Lower Upper
43 100
58 53.6 42.6 63.8
57 18.5 14.8 22.2
100 10.5 8.5 12.7

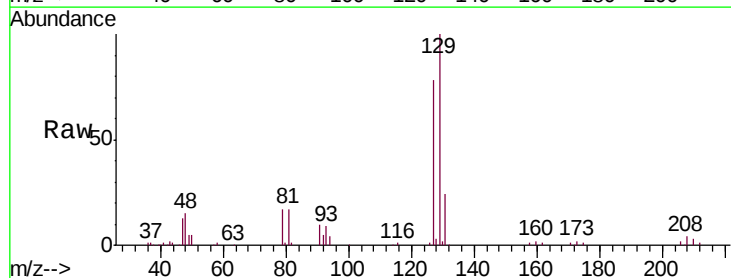


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

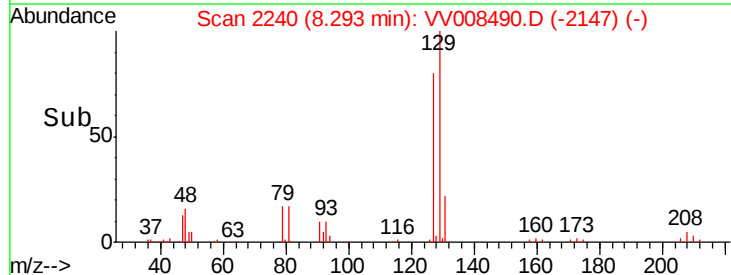
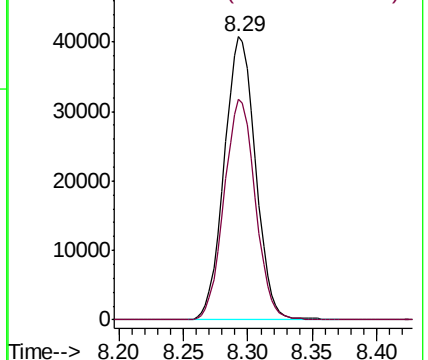


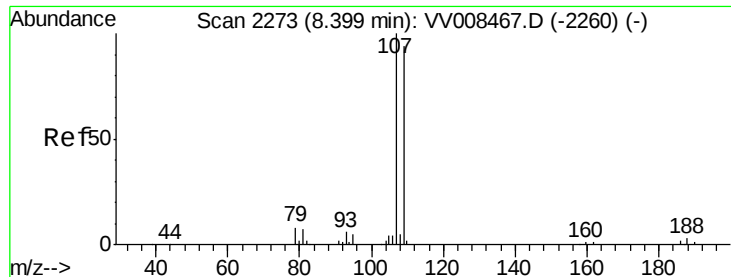
#49
Dibromochloromethane
Concen: 49.586 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VV008490.D
Acq: 30 Oct 2018 23:59

Tgt Ion: 129 Resp: 68724
Ion Ratio Lower Upper
129 100
127 77.9 54.9 101.9



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

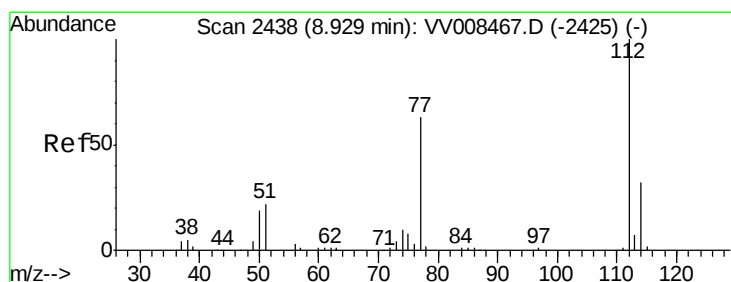
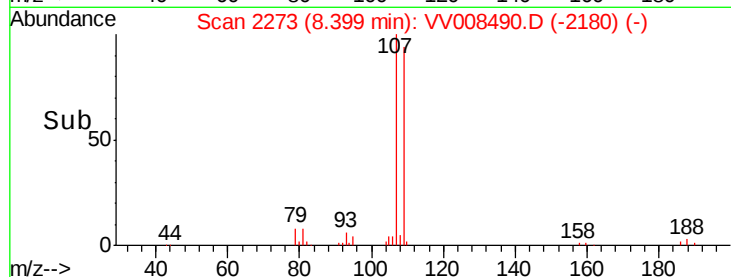
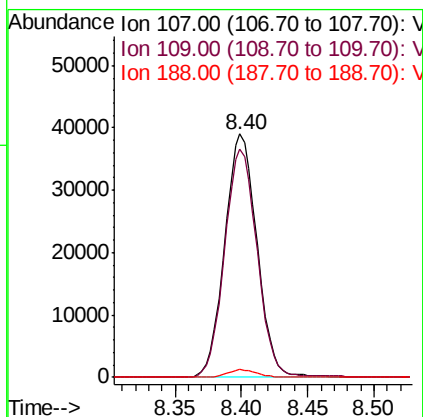
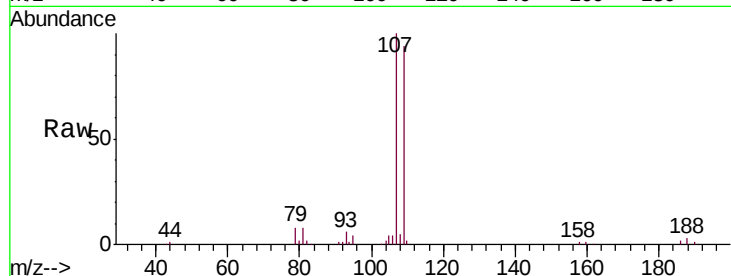




#50
1,2-Dibromoethane
Concen: 48.786 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VV008490.D
Acq: 30 Oct 2018 23:59

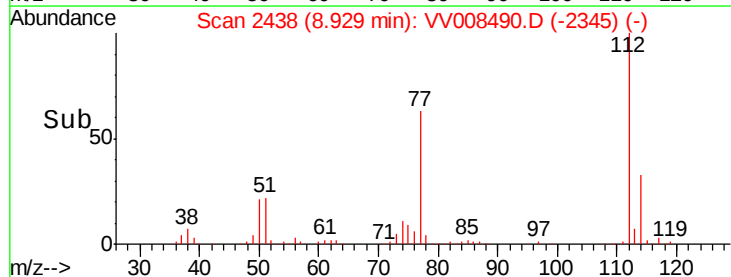
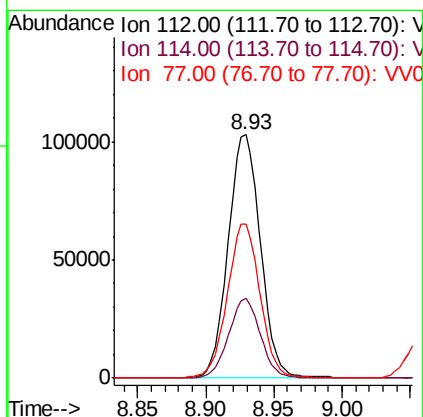
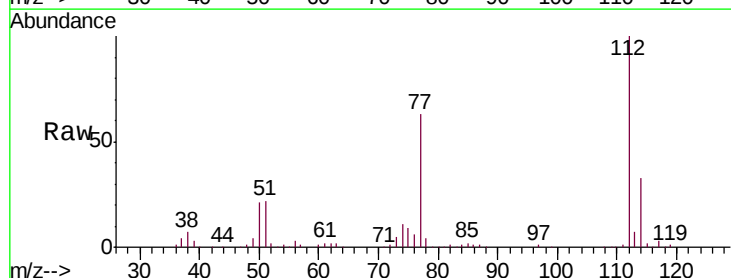
Instrument :
MSVOA_V
ClientSampleId :
VSTD05064

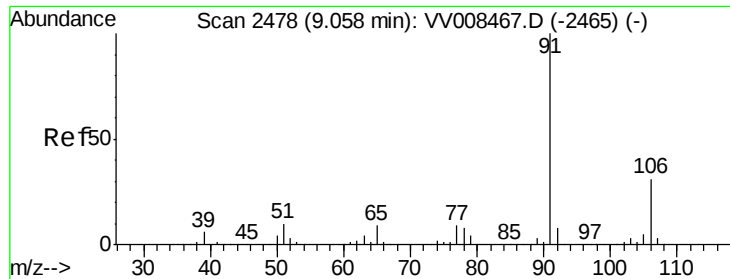
Tgt Ion:107 Resp: 66006
Ion Ratio Lower Upper
107 100
109 93.6 65.2 121.2
188 3.2 2.3 3.5



#51
Chlorobenzene
Concen: 50.215 ug/L
RT: 8.93 min Scan# 2438
Delta R.T. 0.00 min
Lab File: VV008490.D
Acq: 30 Oct 2018 23:59

Tgt Ion:112 Resp: 169629
Ion Ratio Lower Upper
112 100
114 32.5 22.5 41.7
77 63.2 52.0 78.0





#52

Ethylbenzene

Concen: 49.717 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV008490.D

Acq: 30 Oct 2018 23:59

Instrument :

MSVOA_V

ClientSampleId :

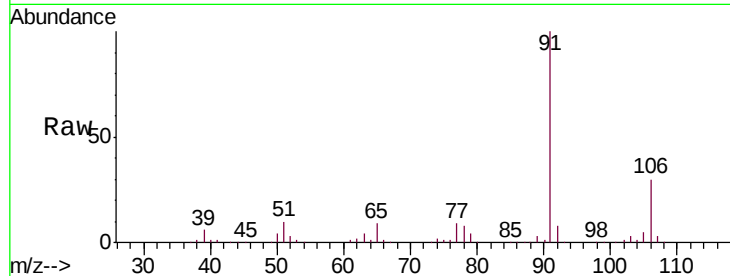
VSTD05064

Tgt Ion: 91 Resp: 305528

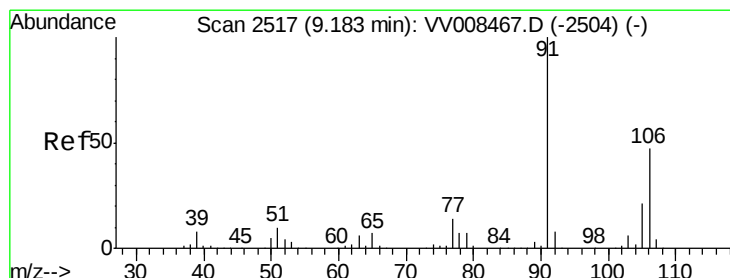
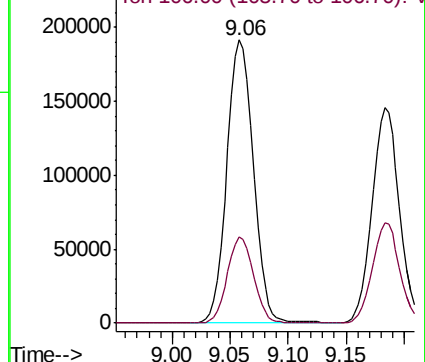
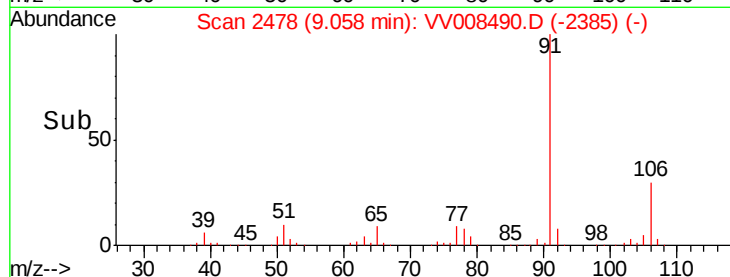
Ion Ratio Lower Upper

91 100

106 30.3 21.3 39.5



Abundance Ion 91.00 (90.70 to 91.70): VV008490.D (-2385) (-)



#53

m,p-Xylene

Concen: 49.549 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV008490.D

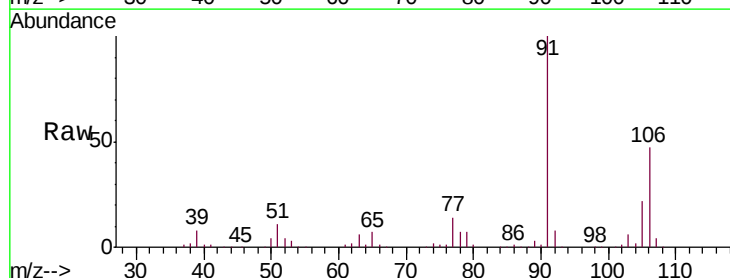
Acq: 30 Oct 2018 23:59

Tgt Ion: 106 Resp: 111245

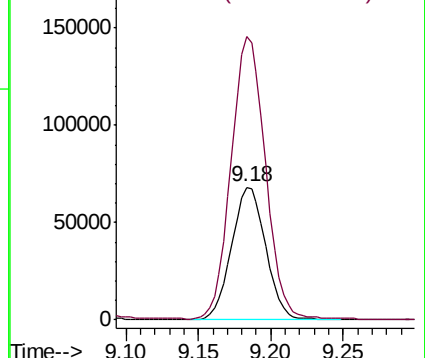
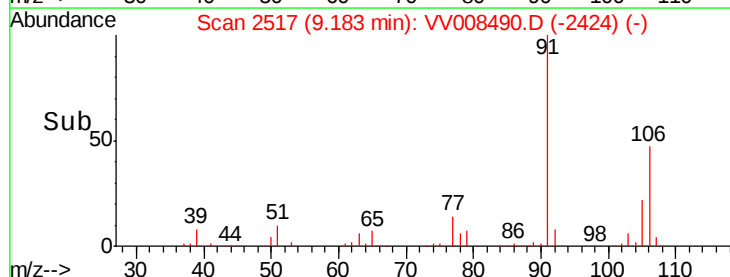
Ion Ratio Lower Upper

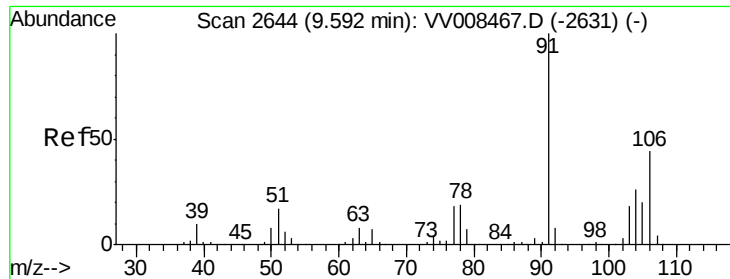
106 100

91 213.1 150.0 278.6



Abundance Ion 106.00 (105.70 to 106.70): VV008490.D (-2424) (-)

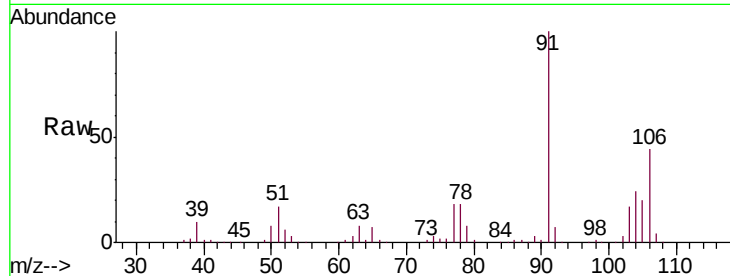




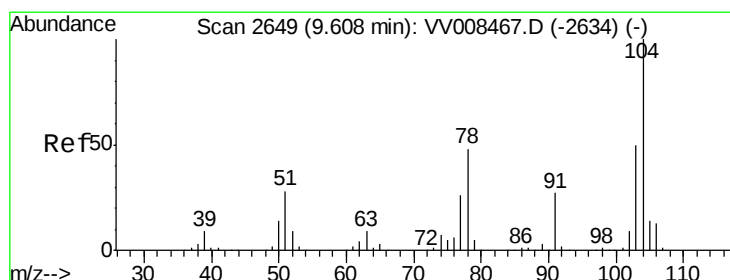
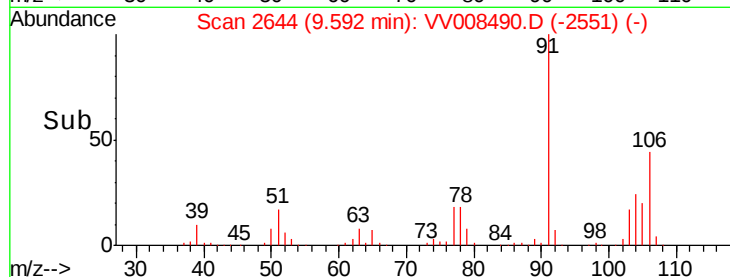
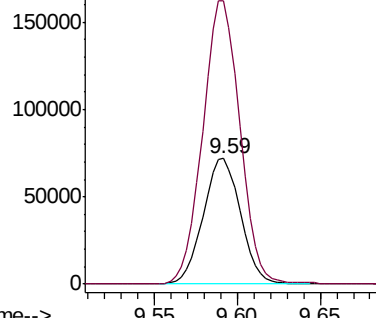
#54
o-xylene
Concen: 50.496 ug/L
RT: 9.59 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VV008490.D
Acq: 30 Oct 2018 23:59

Instrument :
MSVOA_V
ClientSampleId :
VSTD05064

Tgt Ion:106 Resp: 113208
Ion Ratio Lower Upper
106 100
91 225.2 158.7 294.7

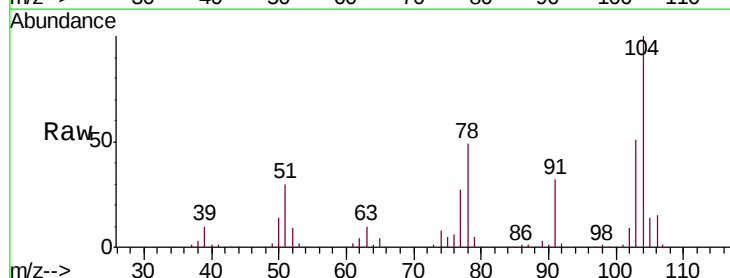


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

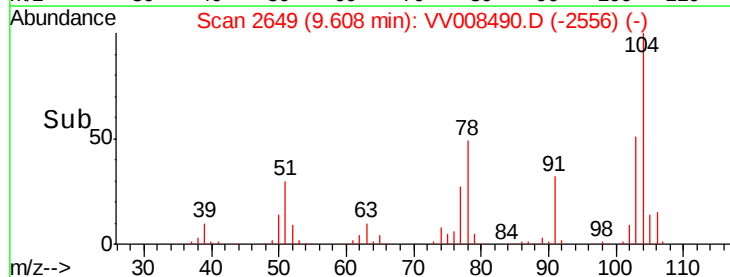
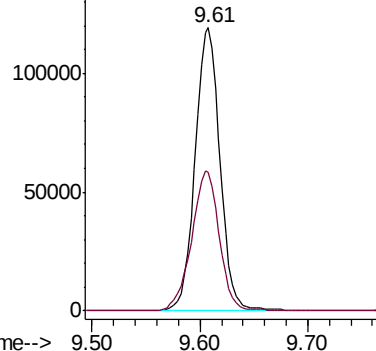


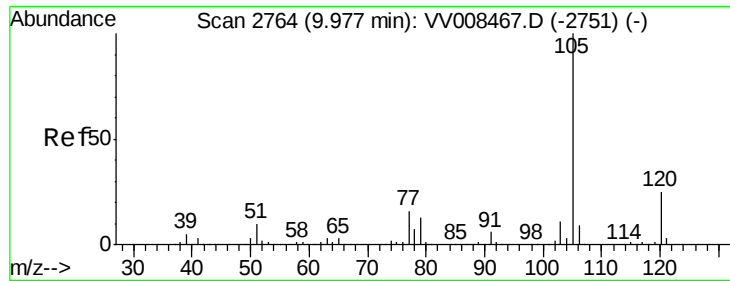
#55
Styrene
Concen: 50.573 ug/L
RT: 9.61 min Scan# 2649
Delta R.T. 0.00 min
Lab File: VV008490.D
Acq: 30 Oct 2018 23:59

Tgt Ion:104 Resp: 191042
Ion Ratio Lower Upper
104 100
78 49.0 34.4 64.0



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 50.601 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV008490.D

Acq: 30 Oct 2018 23:59

Instrument :

MSVOA_V

ClientSampled :

VSTD05064

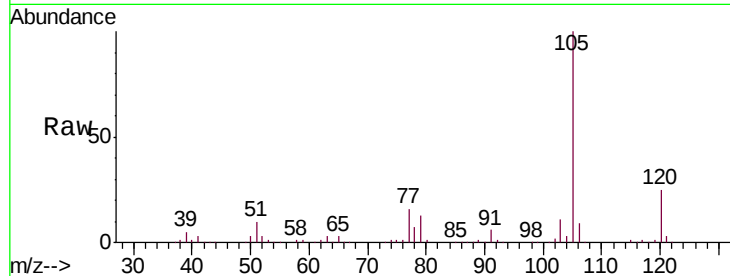
Tgt Ion:105 Resp: 296825

Ion Ratio Lower Upper

105 100

120 25.7 20.7 31.1

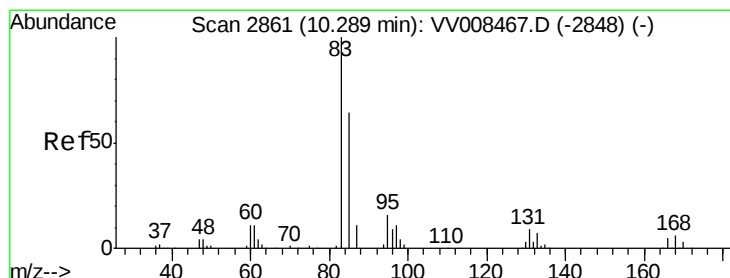
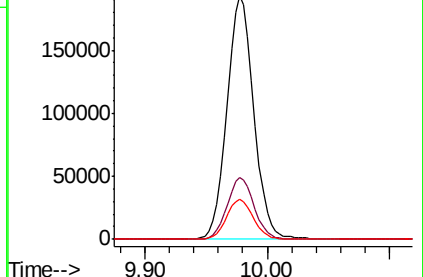
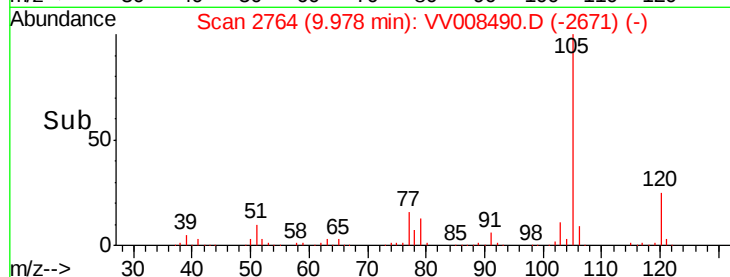
77 16.6 13.5 20.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 51.270 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV008490.D

Acq: 30 Oct 2018 23:59

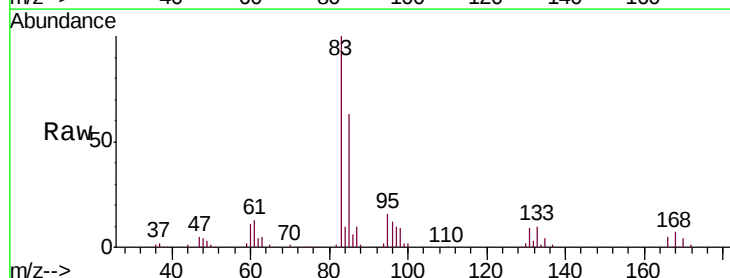
Tgt Ion: 83 Resp: 115809

Ion Ratio Lower Upper

83 100

85 63.4 45.8 85.2

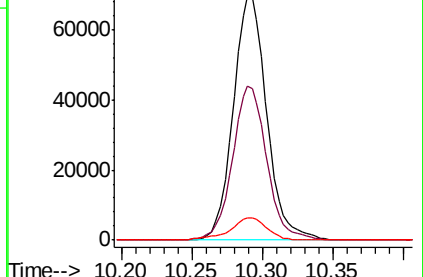
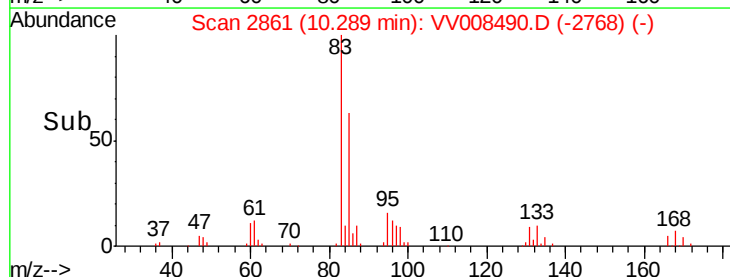
131 9.3 7.3 10.9

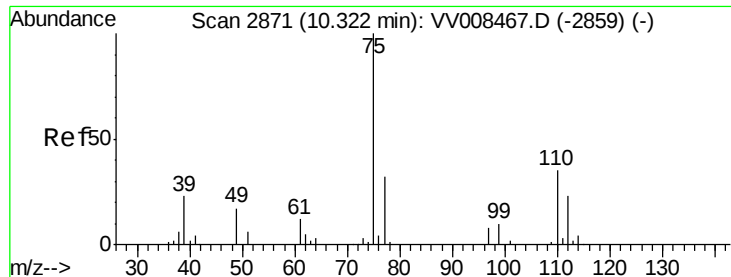


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 49.810 ug/L

RT: 10.32 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VV008490.D

Acq: 30 Oct 2018 23:59

Instrument :

MSVOA_V

ClientSampleId :

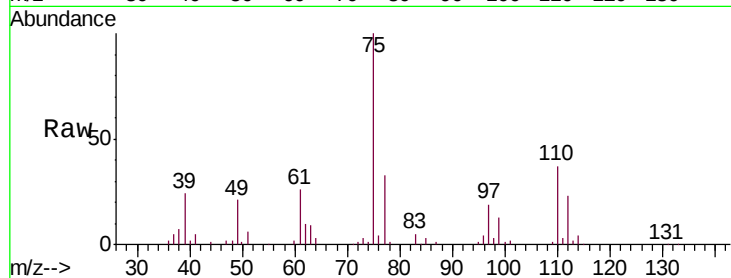
VSTD05064

Tgt Ion: 75 Resp: 91054

Ion Ratio Lower Upper

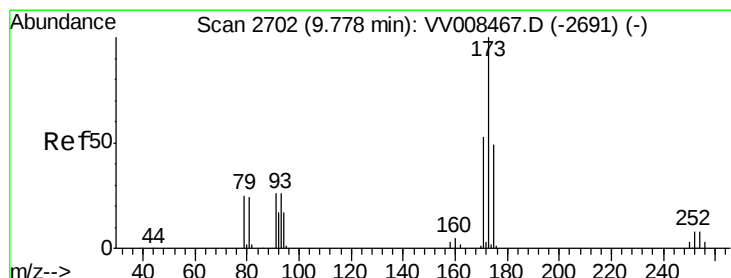
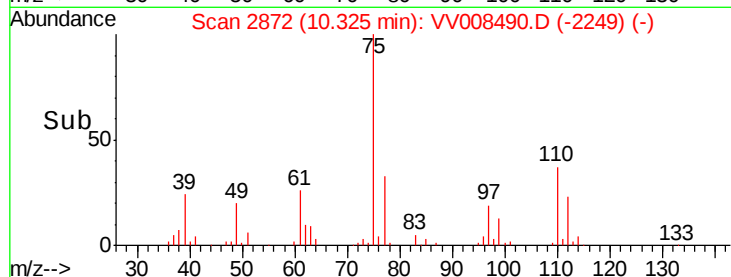
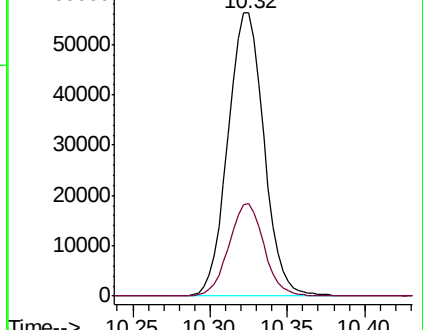
75 100

77 31.8 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VV008467.D (-2859) (-)

Ion 77.00 (76.70 to 77.70): VV008467.D (-2859) (-)



#61

Bromoform

Concen: 48.219 ug/L

RT: 9.78 min Scan# 2703

Delta R.T. 0.00 min

Lab File: VV008490.D

Acq: 30 Oct 2018 23:59

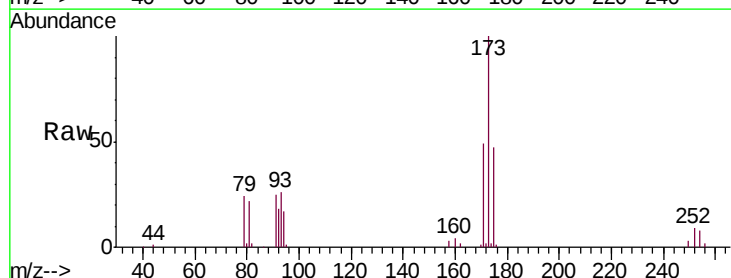
Tgt Ion: 173 Resp: 47564

Ion Ratio Lower Upper

173 100

175 48.0 38.6 57.8

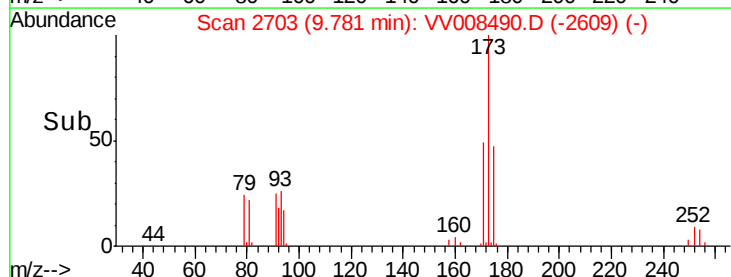
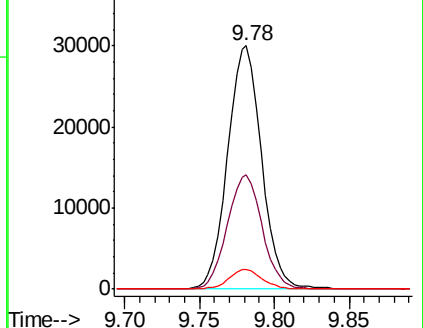
254 7.8 5.9 8.9

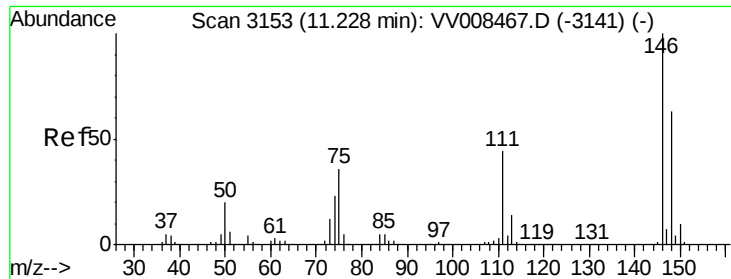


Abundance Ion 173.00 (172.70 to 173.70): VV008467.D (-2691) (-)

Ion 175.00 (174.70 to 175.70): VV008467.D (-2691) (-)

Ion 254.00 (253.70 to 254.70): VV008467.D (-2691) (-)

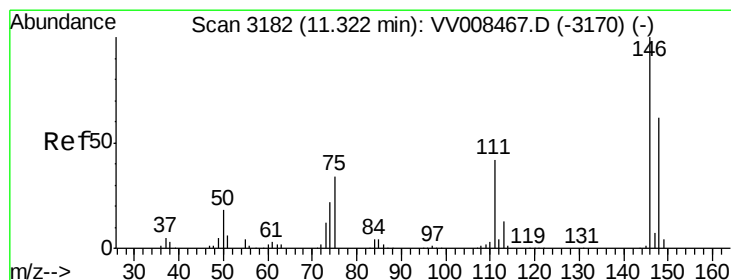
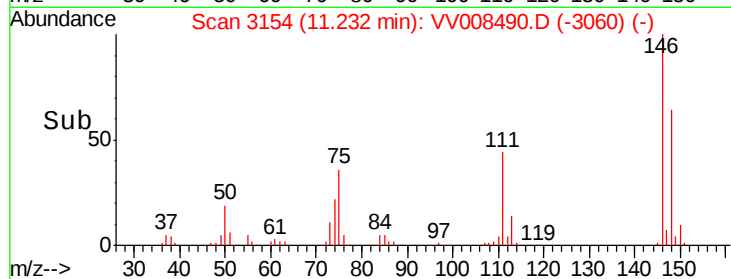
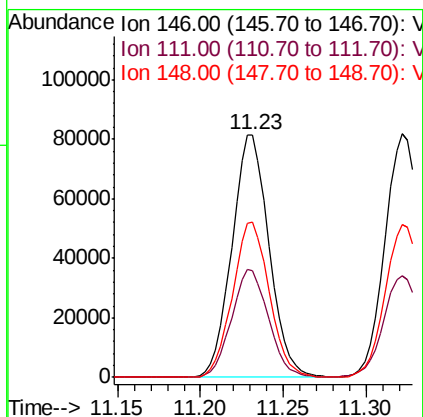
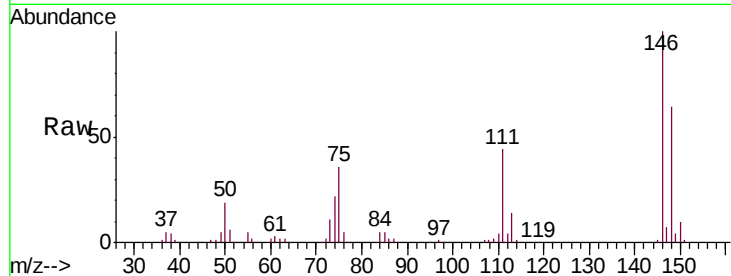




#62
 1,3-Dichlorobenzene
 Concen: 49.071 ug/L
 RT: 11.23 min Scan# 3154
 Delta R.T. 0.00 min
 Lab File: VV008490.D
 Acq: 30 Oct 2018 23:59

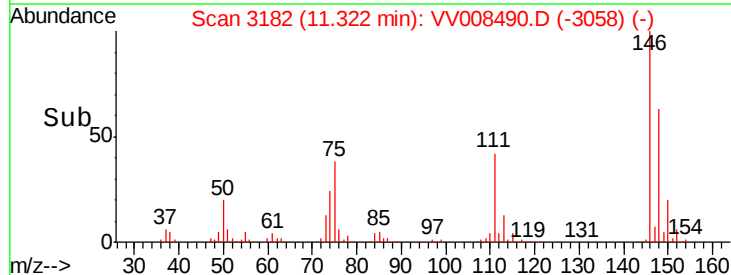
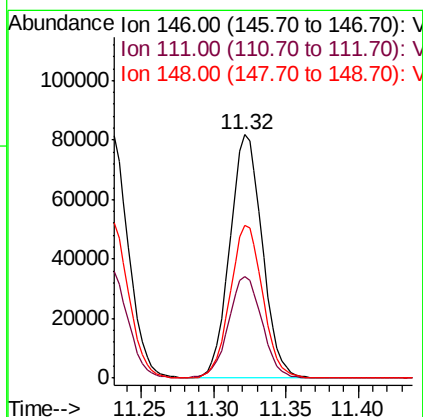
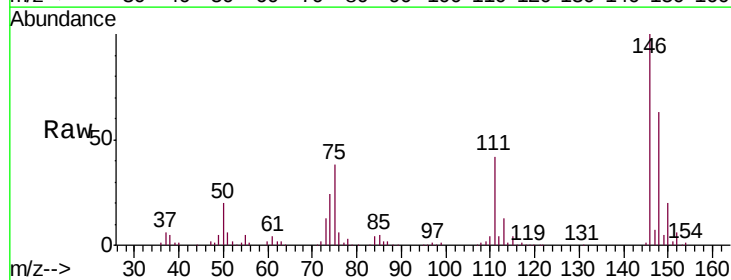
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05064

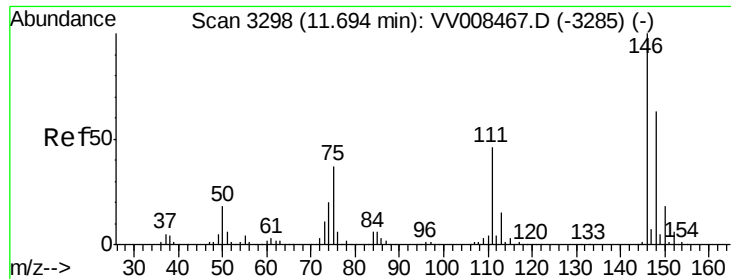
Tgt Ion:146 Resp: 126832
 Ion Ratio Lower Upper
 146 100
 111 44.1 30.9 57.3
 148 63.9 44.1 81.9



#63
 1,4-Dichlorobenzene
 Concen: 48.996 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VV008490.D
 Acq: 30 Oct 2018 23:59

Tgt Ion:146 Resp: 126923
 Ion Ratio Lower Upper
 146 100
 111 42.0 29.8 55.4
 148 62.9 44.4 82.5

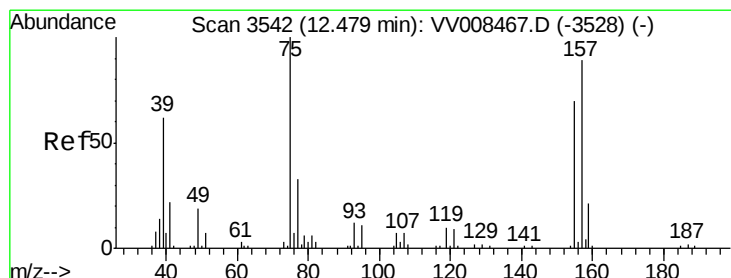
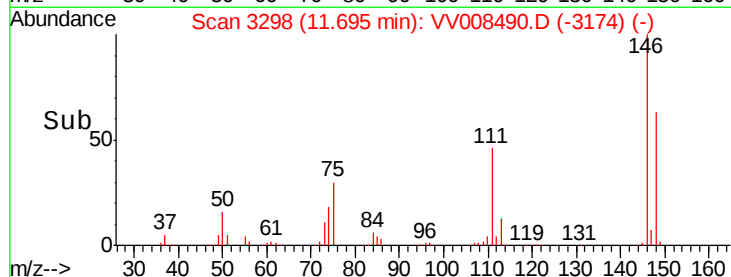
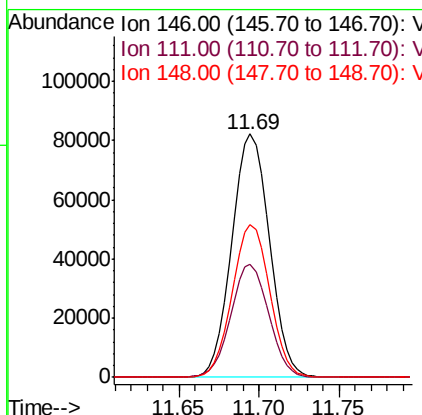
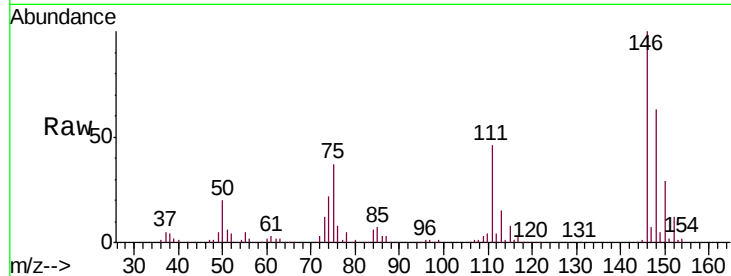




#65
 1,2-Dichlorobenzene
 Concen: 49.974 ug/L
 RT: 11.69 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VV008490.D
 Acq: 30 Oct 2018 23:59

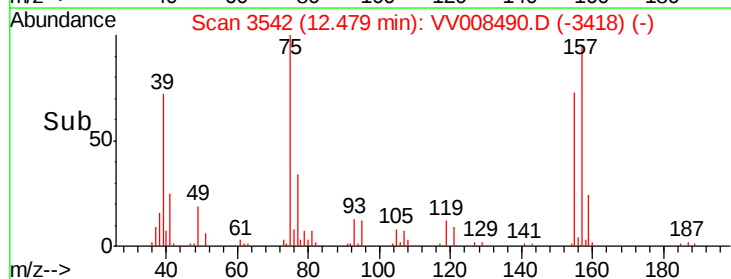
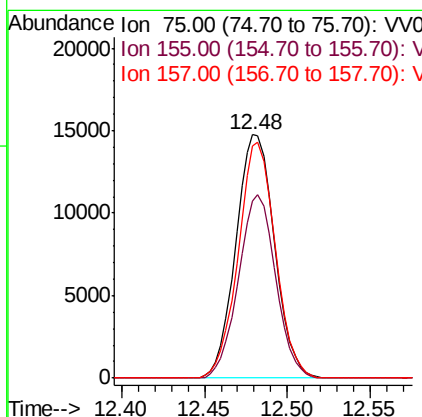
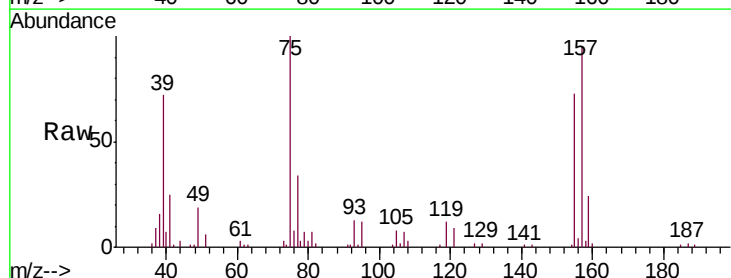
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05064

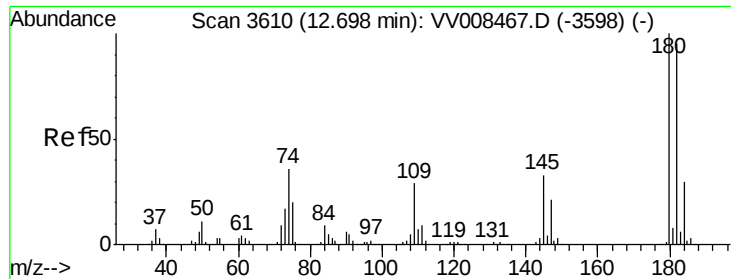
Tgt Ion: 146 Resp: 131716
 Ion Ratio Lower Upper
 146 100
 111 46.4 36.2 54.2
 148 62.8 50.3 75.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 44.108 ug/L
 RT: 12.48 min Scan# 3542
 Delta R.T. 0.00 min
 Lab File: VV008490.D
 Acq: 30 Oct 2018 23:59

Tgt Ion: 75 Resp: 23900
 Ion Ratio Lower Upper
 75 100
 155 72.6 55.4 83.0
 157 95.3 72.8 109.2

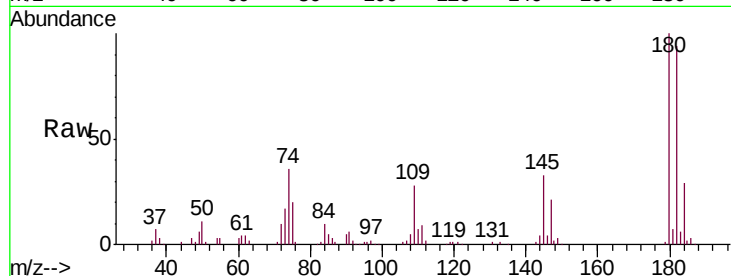




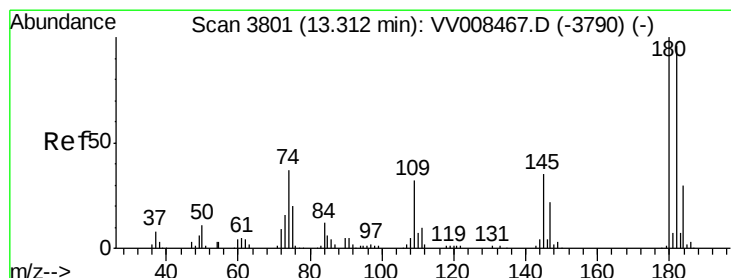
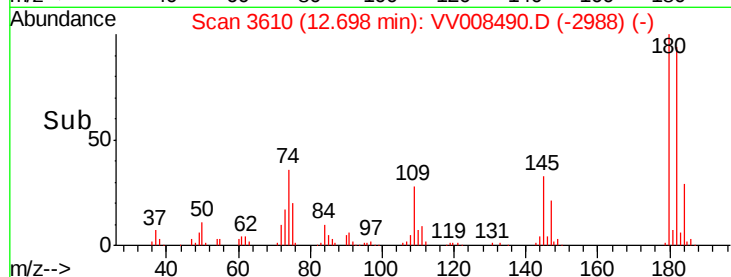
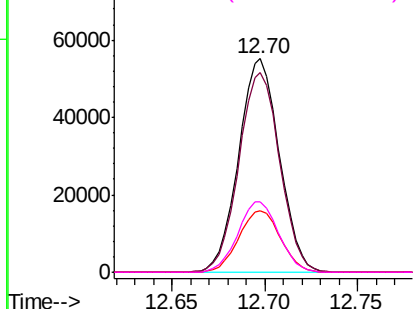
#67
 1,3,5-Trichlorobenzene
 Concen: 49.819 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VV008490.D
 Acq: 30 Oct 2018 23:59

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05064

Tgt Ion:180 Resp: 84081
 Ion Ratio Lower Upper
 180 100
 182 94.0 75.9 113.9
 184 29.5 24.1 36.1
 145 33.0 26.8 40.2

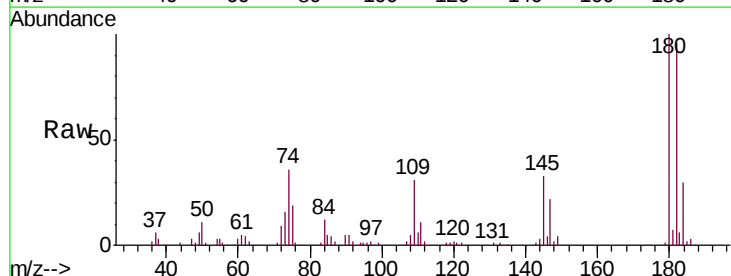


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

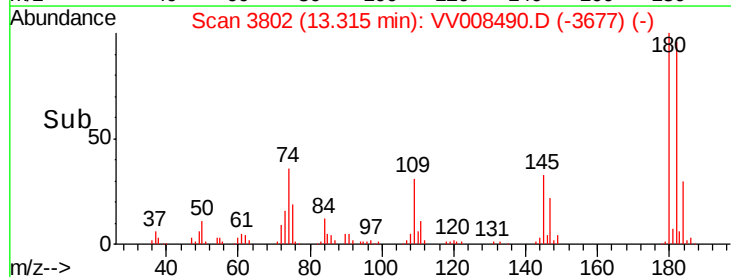
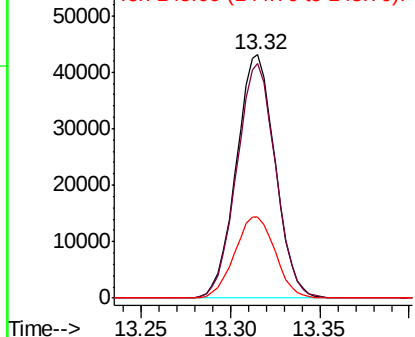


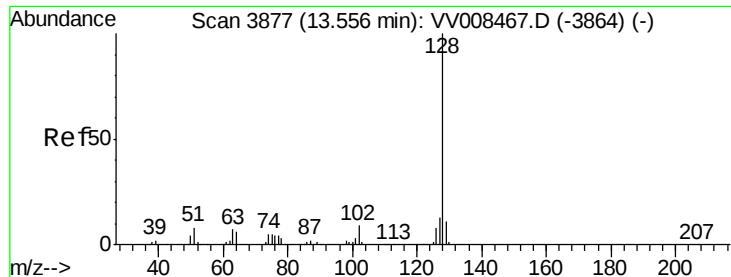
#68
 1,2,4-trichlorobenzene
 Concen: 47.775 ug/L
 RT: 13.32 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV008490.D
 Acq: 30 Oct 2018 23:59

Tgt Ion:180 Resp: 65234
 Ion Ratio Lower Upper
 180 100
 182 96.4 75.4 113.2
 145 34.7 27.0 40.6



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





#69

Naphthalene

Concen: 44.706 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. 0.00 min

Lab File: VV008490.D

Acq: 30 Oct 2018 23:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD05064

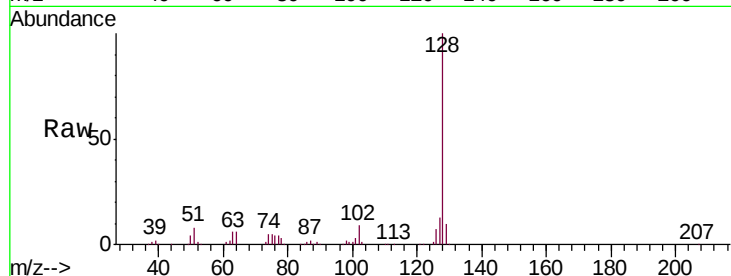
Tgt Ion:128 Resp: 197395

Ion Ratio Lower Upper

128 100

127 13.1 10.6 15.8

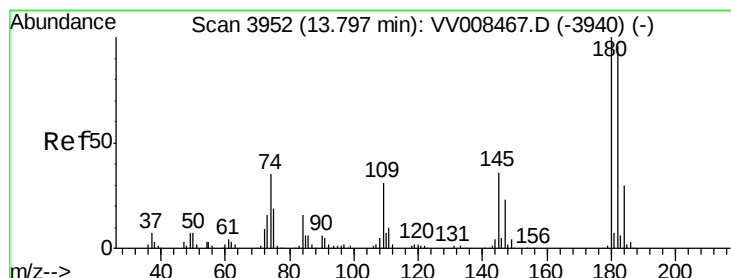
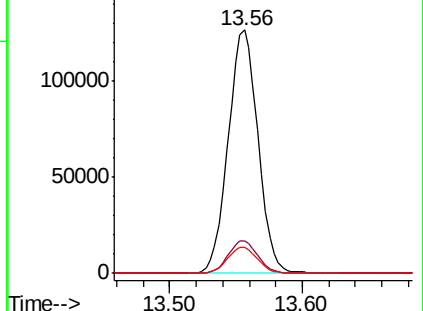
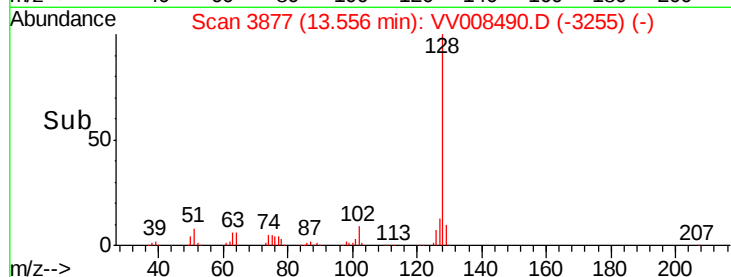
129 10.7 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 49.306 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. 0.00 min

Lab File: VV008490.D

Acq: 30 Oct 2018 23:59

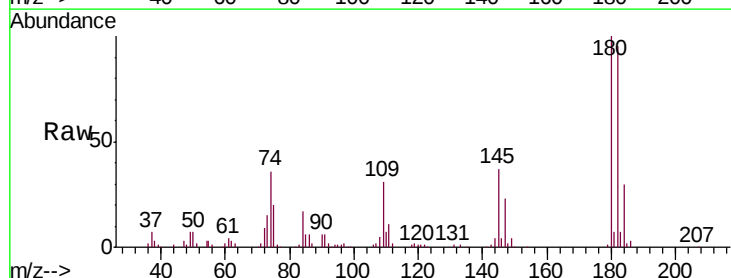
Tgt Ion:180 Resp: 67284

Ion Ratio Lower Upper

180 100

182 93.9 75.7 113.5

145 35.9 28.6 43.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

