

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV103118\
 Data File : VV008495.D
 Acq On : 31 Oct 2018 15:08
 Operator : SY/MD
 Sample : VSTD05053
 Misc : 5.0 mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05055

Quant Time: Oct 31 23:53:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM103118WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 31 23:42:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	210249	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	194318	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	92625	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	67853	56.11	ug/L	0.00
7) Chloroethane-d5	1.56	69	41296	48.91	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	108563	51.07	ug/L	0.00
21) 2-Butanone-d5	3.94	46	131021	102.88	ug/L	0.00
24) Chloroform-d	4.41	84	149660	51.48	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	98097	50.55	ug/L	0.00
32) Benzene-d6	5.10	84	296535	52.51	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	98823	50.72	ug/L	0.00
41) Toluene-d8	7.36	98	272010	53.02	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	49925	52.62	ug/L	0.00
47) 2-Hexanone-d5	8.14	63	100478	99.79	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	138438	52.19	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	100784	52.20	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	78490	51.732	ug/L 100
3) Chloromethane	1.25	50	78680	48.988	ug/L 100
5) Vinyl chloride	1.32	62	73497	49.323	ug/L 100
6) Bromomethane	1.51	94	18275	45.273	ug/L 100
8) Chloroethane	1.58	64	39125	49.552	ug/L 100
9) Trichlorofluoromethane	1.76	101	89653	47.321	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	48400	48.685	ug/L 100
12) 1,1-Dichloroethene	2.14	96	44567	47.582	ug/L 100
13) Acetone	2.19	43	118131	114.050	ug/L 100
14) Carbon disulfide	2.32	76	207050	48.819	ug/L 100
15) Methyl Acetate	2.46	43	90054	46.564	ug/L 100
16) Methylene chloride	2.54	84	77018	47.313	ug/L 100
17) trans-1,2-Dichloroethene	2.79	96	68226	47.742	ug/L 100
18) Methyl tert-butyl Ether	2.81	73	242139	47.520	ug/L 100
19) 1,1-Dichloroethane	3.23	63	139041	47.365	ug/L 100
20) cis-1,2-Dichloroethene	3.97	96	79031	48.545	ug/L 100
22) 2-Butanone	4.02	43	156406	107.757	ug/L 100
23) Bromochloromethane	4.31	128	36051	47.095	ug/L 100
25) Chloroform	4.43	83	136415	47.535	ug/L 100
27) 1,2-Dichloroethane	5.18	62	110737	46.429	ug/L 100
29) Cyclohexane	4.73	56	132442	47.114	ug/L 100
30) 1,1,1-Trichloroethane	4.66	97	118310	47.358	ug/L 100
31) Carbon tetrachloride	4.88	117	101039	47.614	ug/L 100
33) Benzene	5.15	78	300217	47.625	ug/L 100
34) Trichloroethene	5.96	95	76057	47.108	ug/L 100
35) Methylcyclohexane	6.18	83	133966	48.722	ug/L 100
37) 1,2-Dichloropropane	6.23	63	83152	47.680	ug/L 100
38) Bromodichloromethane	6.56	83	103919	46.867	ug/L 100
39) cis-1,3-Dichloropropene	7.07	75	131410	48.027	ug/L 100
40) 4-Methyl-2-pentanone	7.28	43	245234	94.924	ug/L 100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV103118\
 Data File : VV008495.D
 Acq On : 31 Oct 2018 15:08
 Operator : SY/MD
 Sample : VSTD05053
 Misc : 5.0 mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05055

Quant Time: Oct 31 23:53:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM103118WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 31 23:42:58 2018
 Response via : Initial Calibration

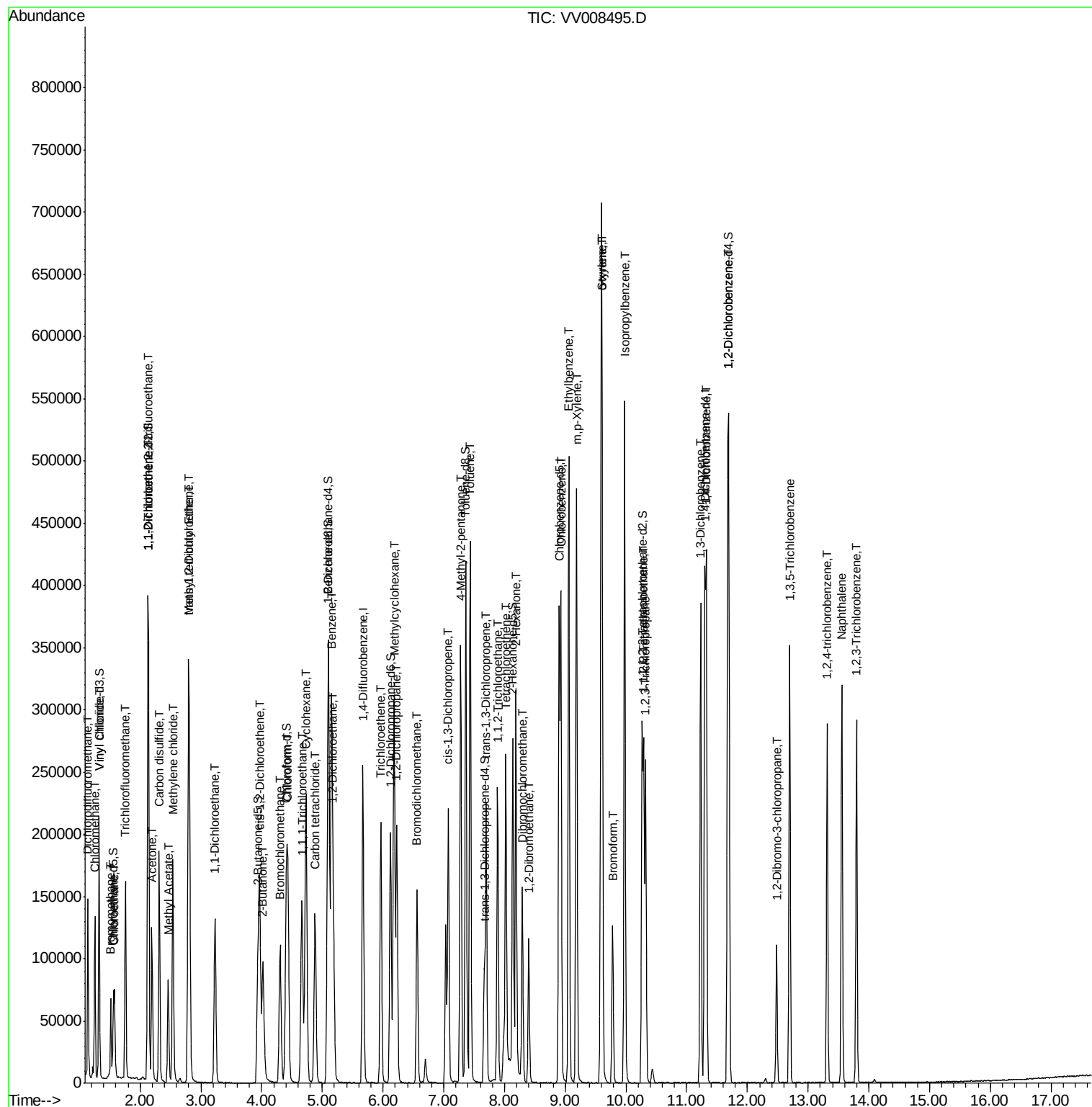
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	309402	47.386	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	123889	48.337	ug/L	100
45) 1,1,2-Trichloroethane	7.89	97	72923	47.498	ug/L	100
46) Tetrachloroethene	8.02	164	52644	49.681	ug/L	100
48) 2-Hexanone	8.19	43	204794	101.208	ug/L	100
49) Dibromochloromethane	8.29	129	79241	47.972	ug/L	100
50) 1,2-Dibromoethane	8.40	107	76274	47.356	ug/L	100
51) Chlorobenzene	8.93	112	193975	48.070	ug/L	100
52) Ethylbenzene	9.06	91	353569	48.239	ug/L	100
53) m,p-Xylene	9.19	106	132659	49.289	ug/L	100
54) o-xylene	9.59	106	129755	48.312	ug/L	100
55) Styrene	9.61	104	220818	48.845	ug/L	100
56) Isopropylbenzene	9.98	105	344062	48.973	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	130318	48.202	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	106649	48.638	ug/L	100
61) Bromoform	9.78	173	54799	47.357	ug/L	100
62) 1,3-Dichlorobenzene	11.23	146	148672	48.729	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	147854	48.440	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	151575	48.790	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	29701	46.894	ug/L	100
67) 1,3,5-Trichlorobenzene	12.70	180	99720	49.947	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	79161	49.375	ug/L	100
69) Naphthalene	13.56	128	242114	47.073	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	79648	49.591	ug/L	100

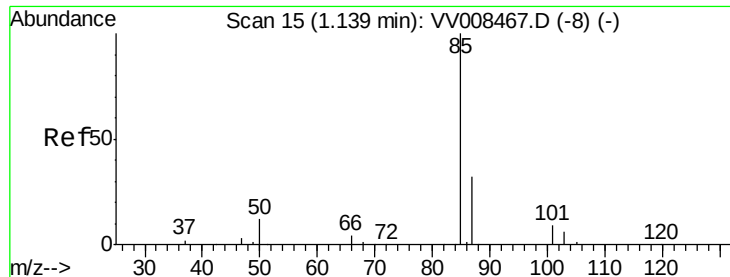
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV103118\
Data File : VV008495.D
Acq On : 31 Oct 2018 15:08
Operator : SY/MD
Sample : VSTD05053
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD05055

Quant Time: Oct 31 23:53:29 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM103118WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Oct 31 23:42:58 2018
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 51.732 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV008495.D

Acq: 31 Oct 2018 15:08

Instrument :

MSVOA_V

ClientSampleId :

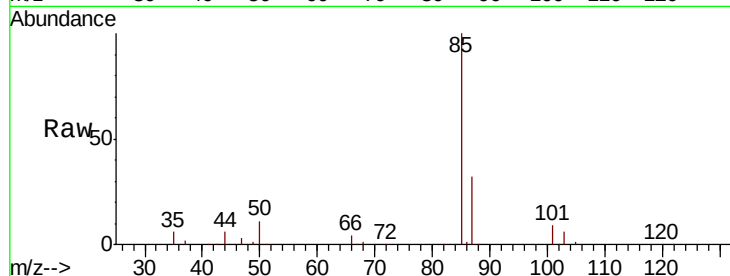
VSTD05055

Tgt Ion: 85 Resp: 78490

Ion Ratio Lower Upper

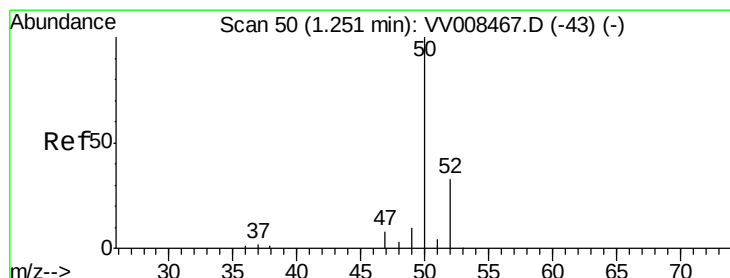
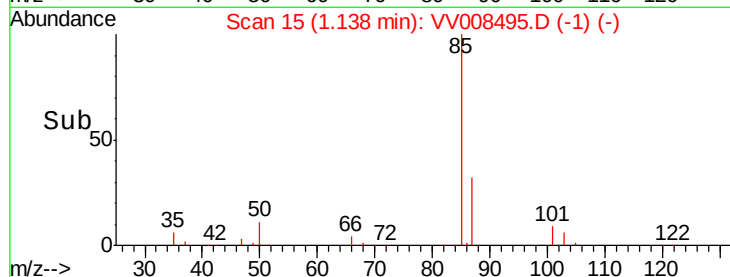
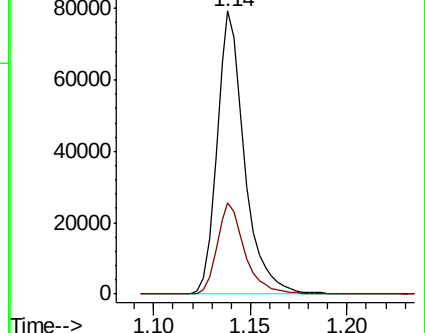
85 100

87 32.3 25.8 38.8



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: 48.988 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV008495.D

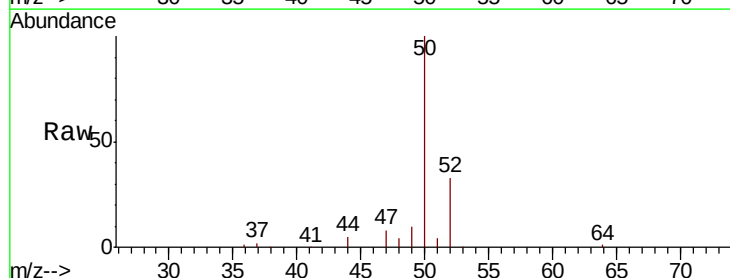
Acq: 31 Oct 2018 15:08

Tgt Ion: 50 Resp: 78680

Ion Ratio Lower Upper

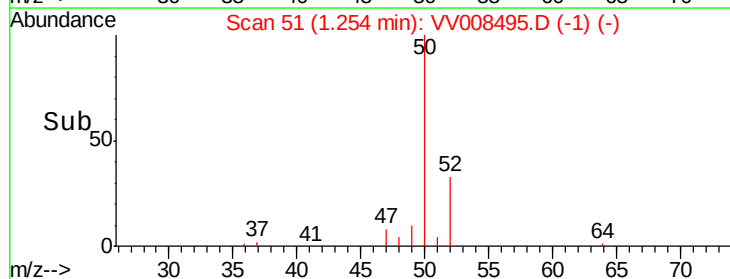
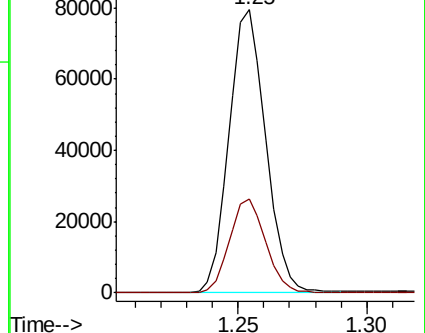
50 100

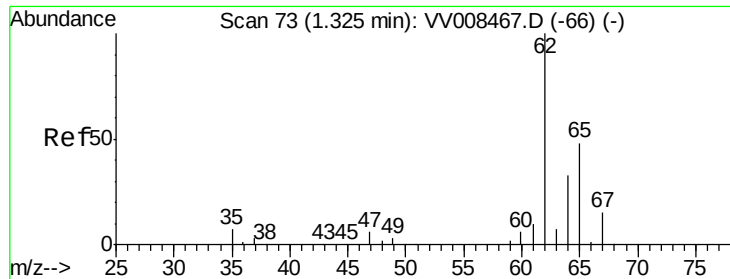
52 33.1 23.2 43.0



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: 49.323 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV008495.D

Acq: 31 Oct 2018 15:08

Instrument :

MSVOA_V

ClientSampleId :

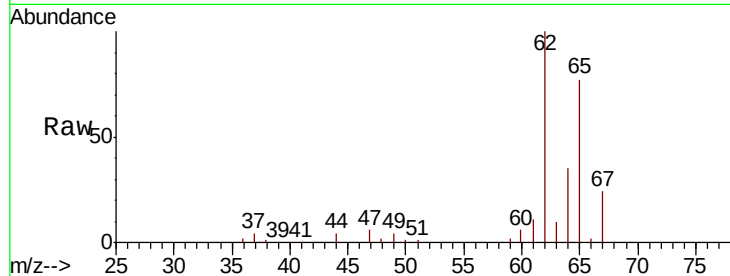
VSTD05055

Tgt Ion: 62 Resp: 73497

Ion Ratio Lower Upper

62 100

64 34.6 24.2 45.0



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

80000

60000

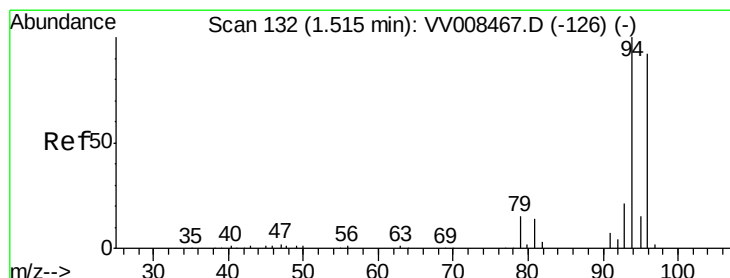
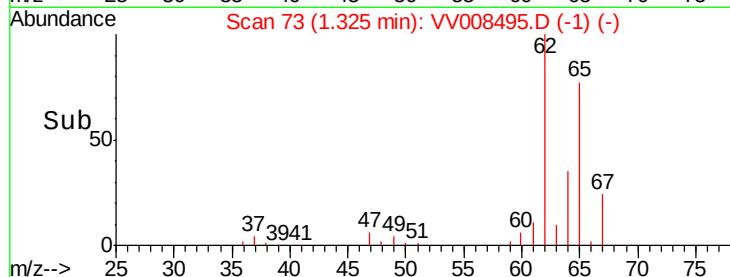
40000

20000

0

Time-->

1.30 1.35 1.40



#6

Bromomethane

Concen: 45.273 ug/L

RT: 1.51 min Scan# 132

Delta R.T. 0.00 min

Lab File: VV008495.D

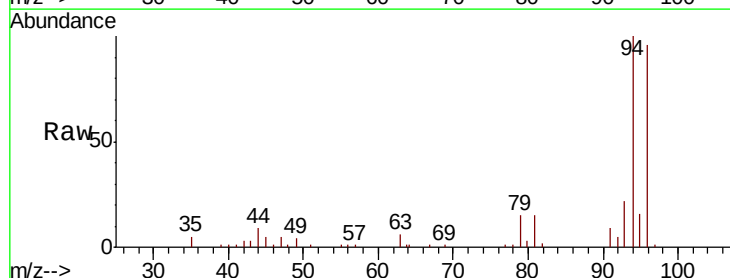
Acq: 31 Oct 2018 15:08

Tgt Ion: 94 Resp: 18275

Ion Ratio Lower Upper

94 100

96 96.0 67.2 124.8



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.51

20000

15000

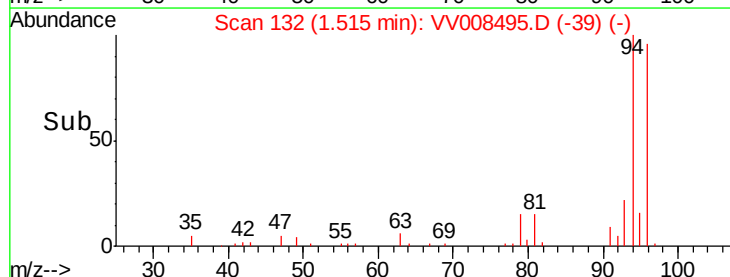
10000

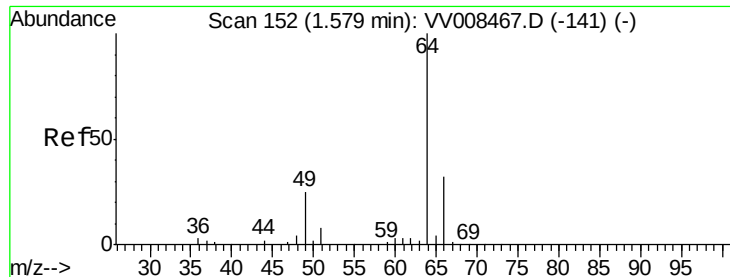
5000

0

Time-->

1.50 1.55





#8

Chloroethane

Concen: 49.552 ug/L

RT: 1.58 min Scan# 152

Delta R.T. 0.00 min

Lab File: VV008495.D

Acq: 31 Oct 2018 15:08

Instrument :

MSVOA_V

ClientSampleId :

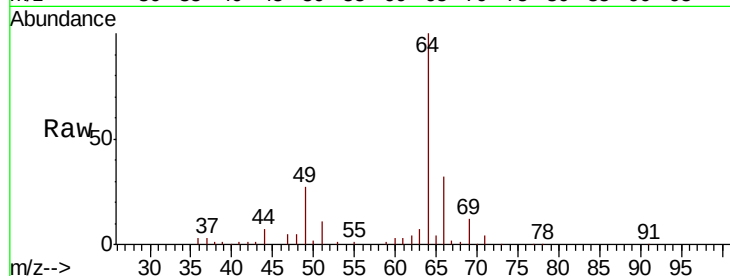
VSTD05055

Tgt Ion: 64 Resp: 39125

Ion Ratio Lower Upper

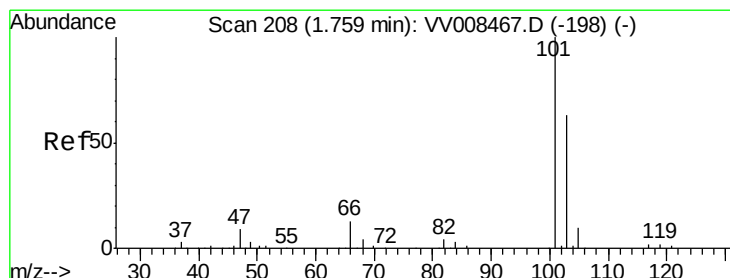
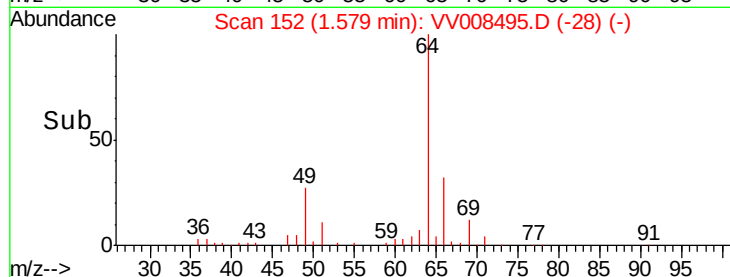
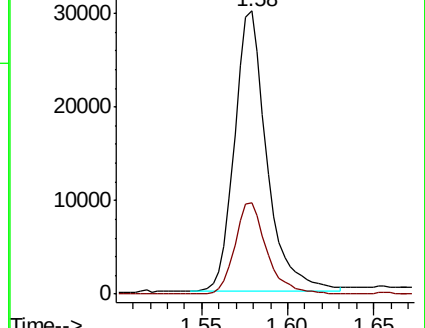
64 100

66 32.3 22.6 42.0



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: 47.321 ug/L

RT: 1.76 min Scan# 208

Delta R.T. 0.00 min

Lab File: VV008495.D

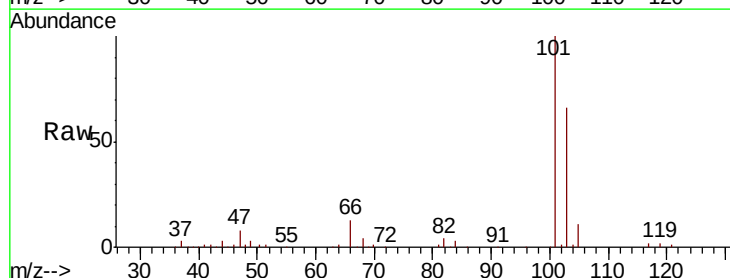
Acq: 31 Oct 2018 15:08

Tgt Ion: 101 Resp: 89653

Ion Ratio Lower Upper

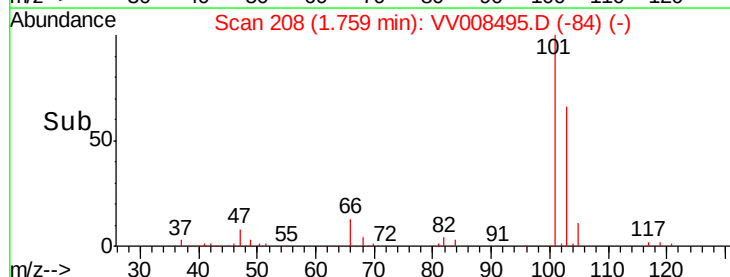
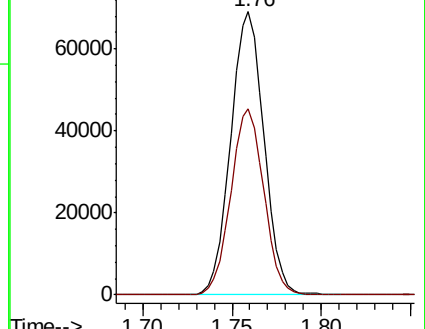
101 100

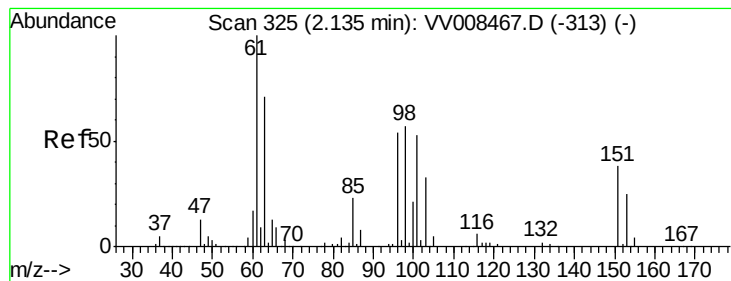
103 65.1 52.1 78.1



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: 48.685 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV008495.D

Acq: 31 Oct 2018 15:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD05055

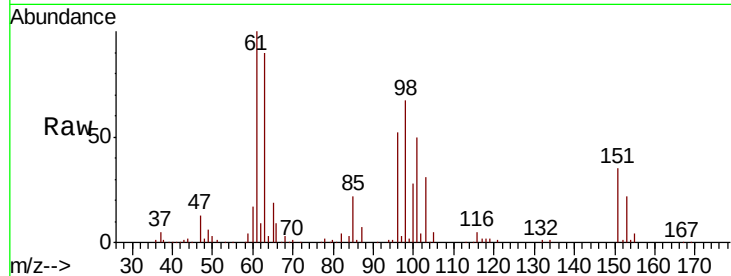
Tgt Ion: 101 Resp: 48400

Ion Ratio Lower Upper

101 100

85 44.5 35.6 53.4

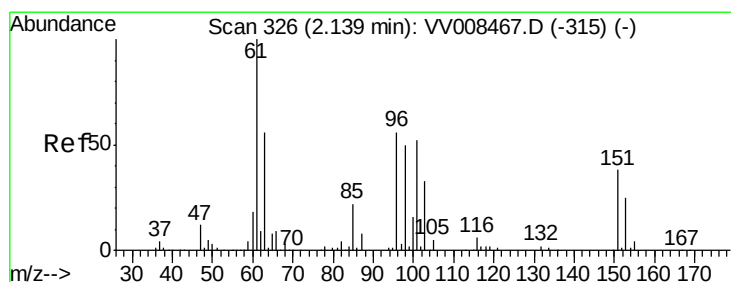
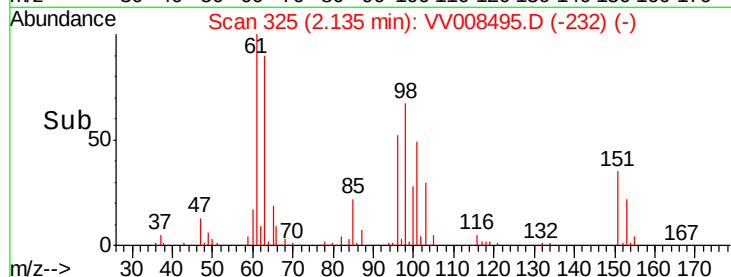
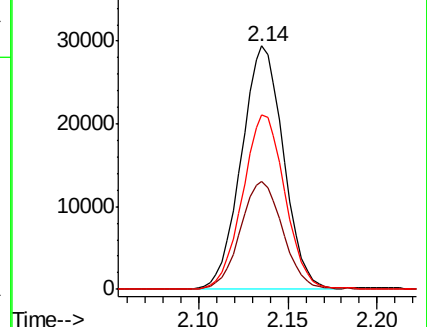
151 72.3 57.8 86.8



Abundance Ion 101.00 (100.70 to 101.70): VV008467.D (-313) (-)

Ion 85.00 (84.70 to 85.70): VV008467.D (-313) (-)

Ion 151.00 (150.70 to 151.70): VV008467.D (-313) (-)



#12

1,1-Dichloroethene

Concen: 47.582 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV008495.D

Acq: 31 Oct 2018 15:08

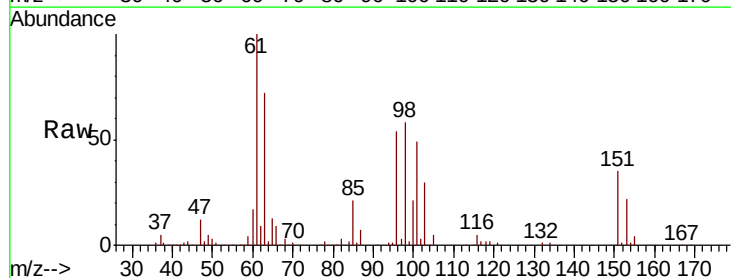
Tgt Ion: 96 Resp: 44567

Ion Ratio Lower Upper

96 100

61 185.5 129.8 241.2

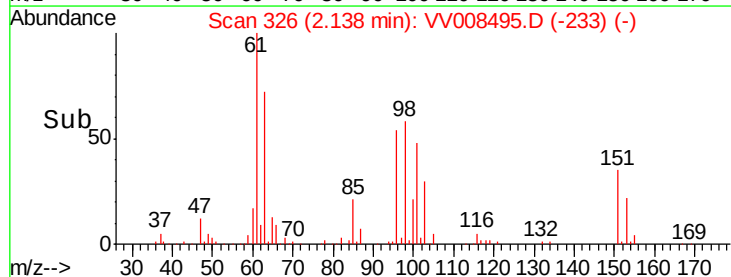
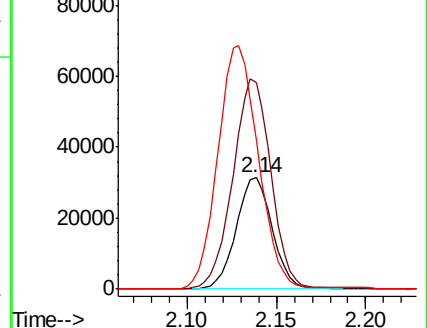
63 132.8 93.0 172.6

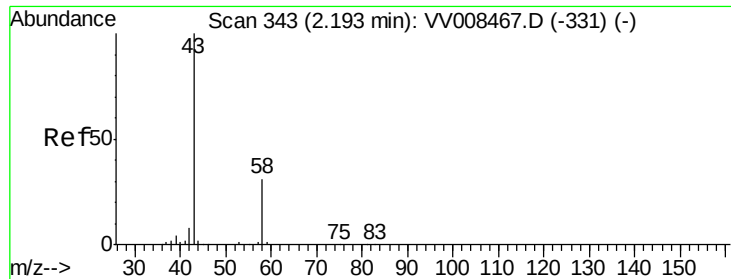


Abundance Ion 96.00 (95.70 to 96.70): VV008467.D (-315) (-)

Ion 61.00 (60.70 to 61.70): VV008467.D (-315) (-)

Ion 63.00 (62.70 to 63.70): VV008467.D (-315) (-)





#13

Acetone

Concen: 114.050 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.00 min

Lab File: VV008495.D

Acq: 31 Oct 2018 15:08

Instrument :

MSVOA_V

ClientSampleId :

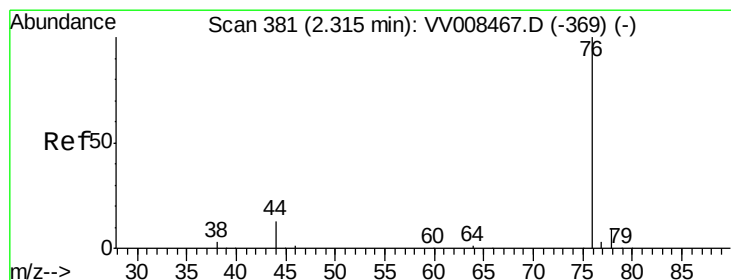
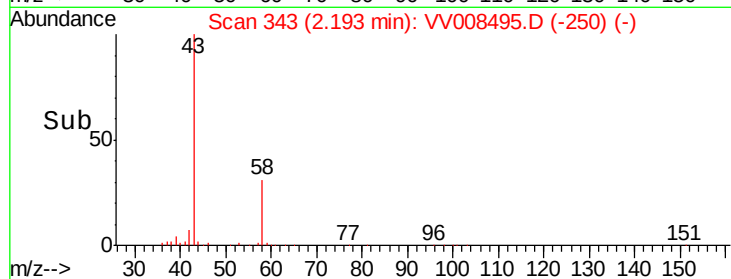
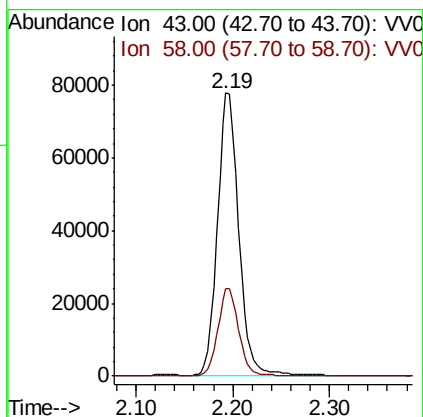
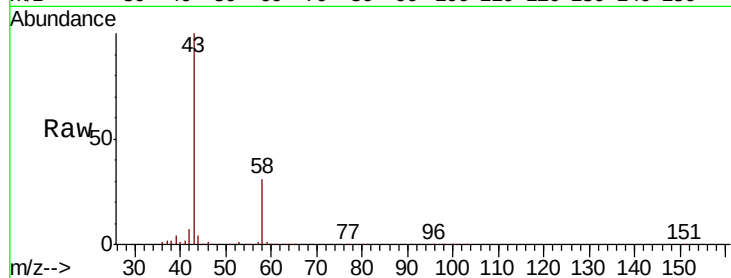
VSTD05055

Tgt Ion: 43 Resp: 118131

Ion Ratio Lower Upper

43 100

58 30.7 0.0 61.4



#14

Carbon disulfide

Concen: 48.819 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV008495.D

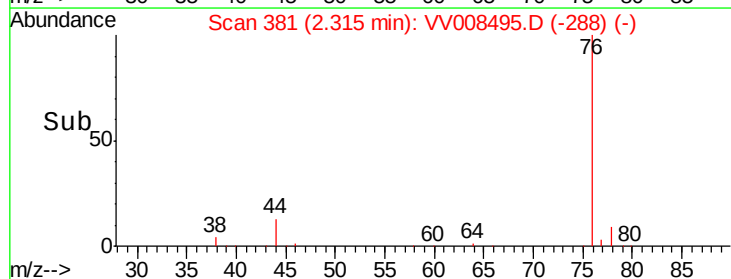
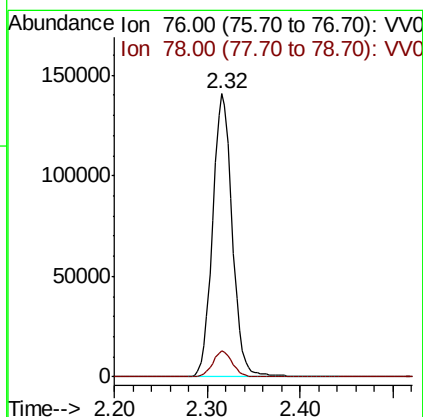
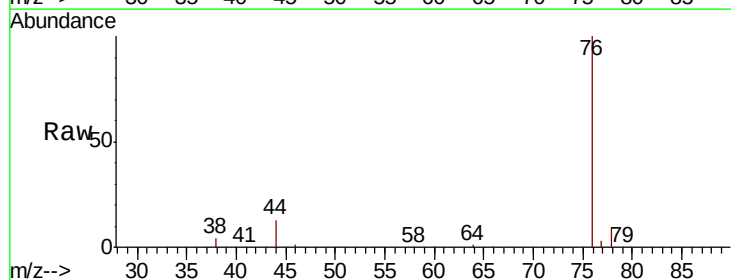
Acq: 31 Oct 2018 15:08

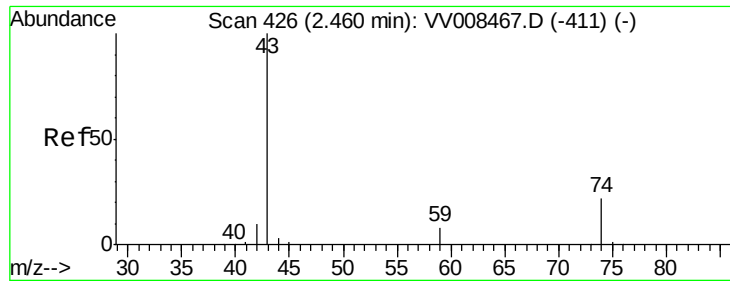
Tgt Ion: 76 Resp: 207050

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0

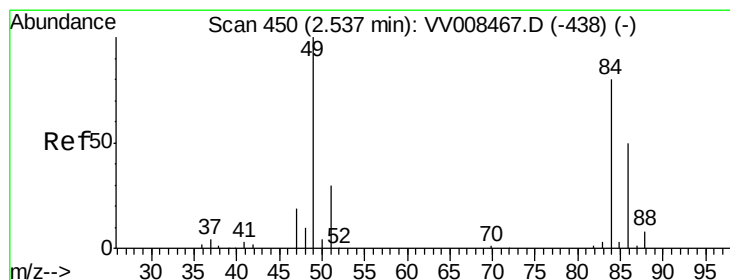
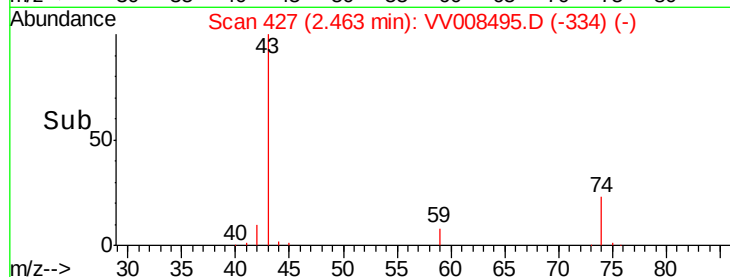
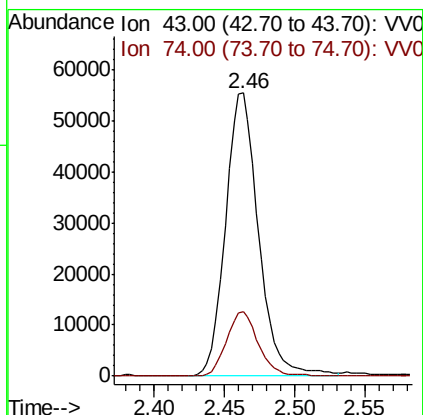
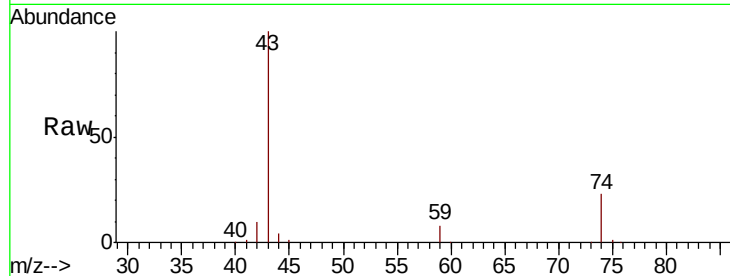




#15
Methyl Acetate
Concen: 46.564 ug/L
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VV008495.D
Acq: 31 Oct 2018 15:08

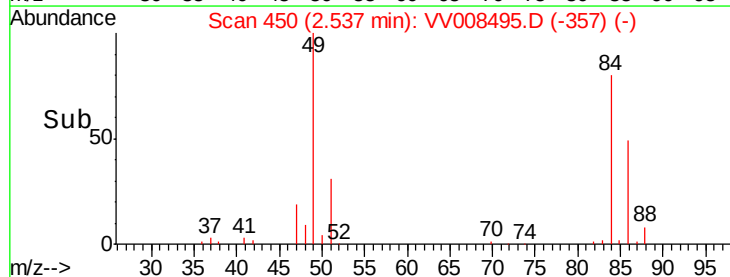
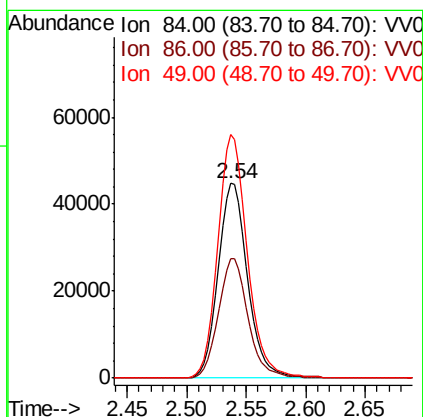
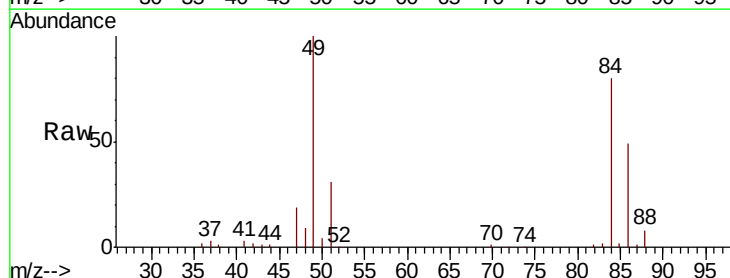
Instrument :
MSVOA_V
ClientSampleId :
VSTD05055

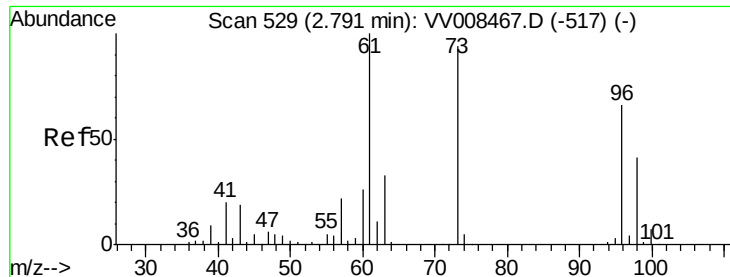
Tgt Ion: 43 Resp: 90054
Ion Ratio Lower Upper
43 100
74 22.2 17.8 26.6



#16
Methylene chloride
Concen: 47.313 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV008495.D
Acq: 31 Oct 2018 15:08

Tgt Ion: 84 Resp: 77018
Ion Ratio Lower Upper
84 100
86 61.1 42.8 79.4
49 125.0 87.5 162.5





#17

trans-1,2-Dichloroethene

Concen: 47.742 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.00 min

Lab File: VV008495.D

Acq: 31 Oct 2018 15:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD05055

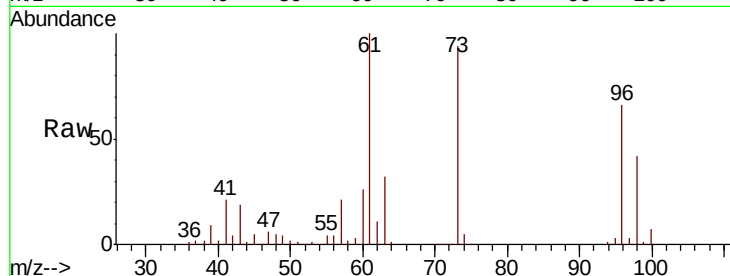
Tgt Ion: 96 Resp: 68226

Ion Ratio Lower Upper

96 100

61 150.7 105.5 195.9

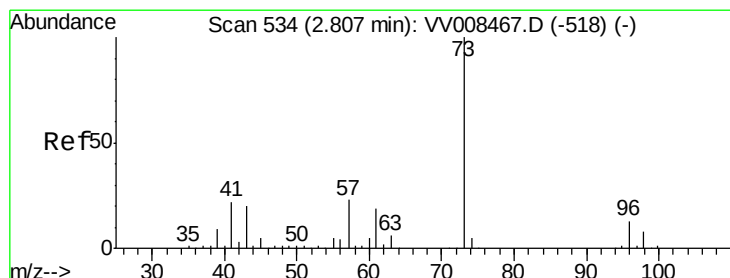
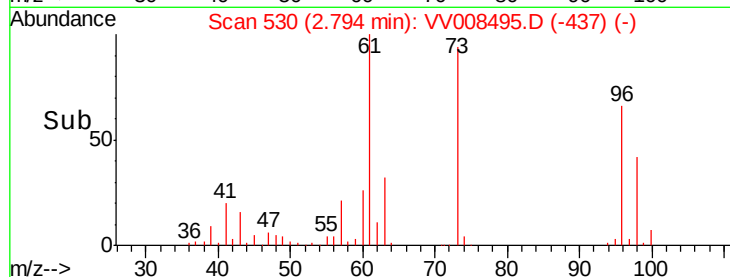
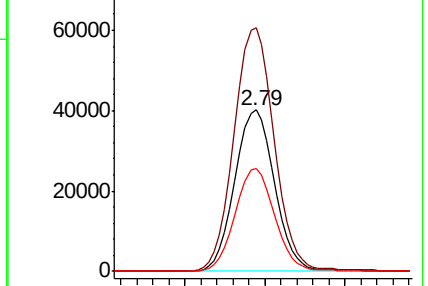
98 64.0 44.8 83.2



Abundance Ion 96.00 (95.70 to 96.70): VV008467.D (-517) (-)

Ion 61.00 (60.70 to 61.70): VV008467.D (-517) (-)

Ion 98.00 (97.70 to 98.70): VV008467.D (-517) (-)



#18

Methyl tert-butyl Ether

Concen: 47.520 ug/L

RT: 2.81 min Scan# 535

Delta R.T. 0.00 min

Lab File: VV008495.D

Acq: 31 Oct 2018 15:08

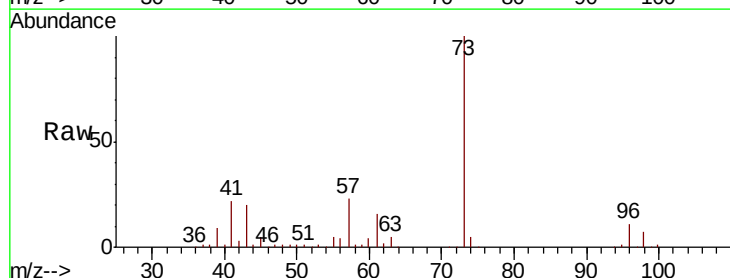
Tgt Ion: 73 Resp: 242139

Ion Ratio Lower Upper

73 100

43 19.5 15.6 23.4

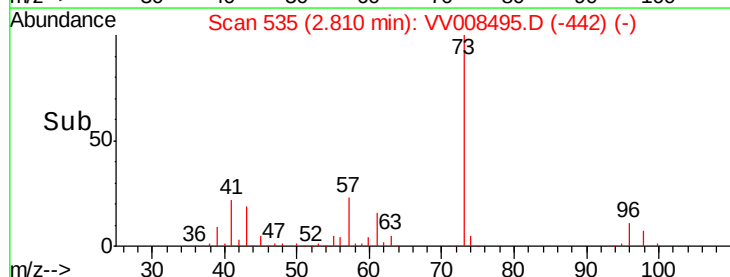
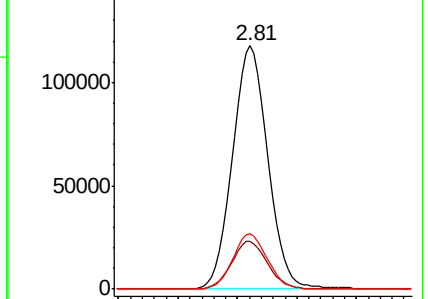
57 22.5 18.0 27.0

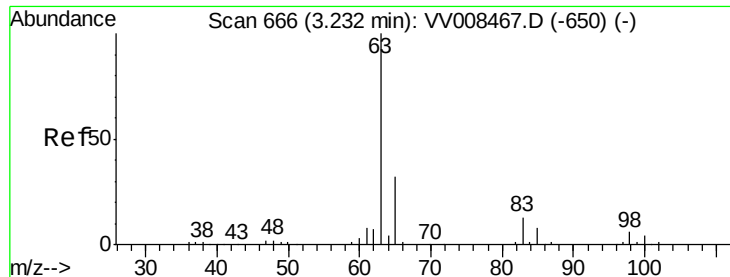


Abundance Ion 73.00 (72.70 to 73.70): VV008467.D (-518) (-)

Ion 43.00 (42.70 to 43.70): VV008467.D (-518) (-)

Ion 57.00 (56.70 to 57.70): VV008467.D (-518) (-)

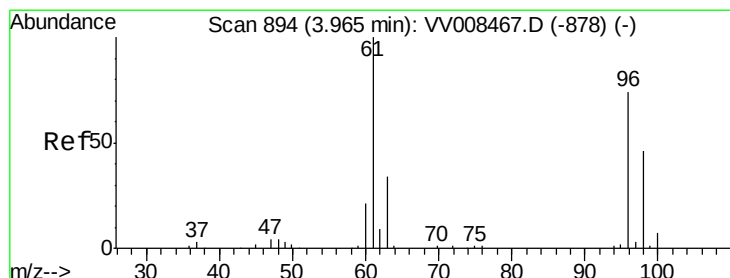
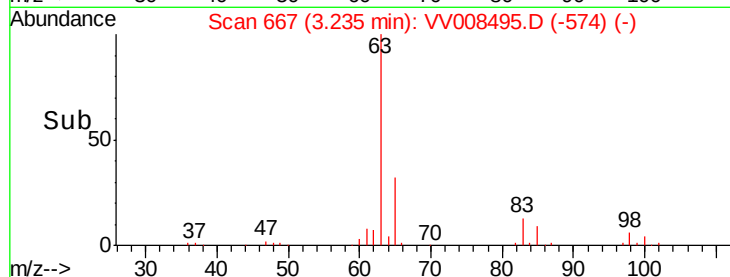
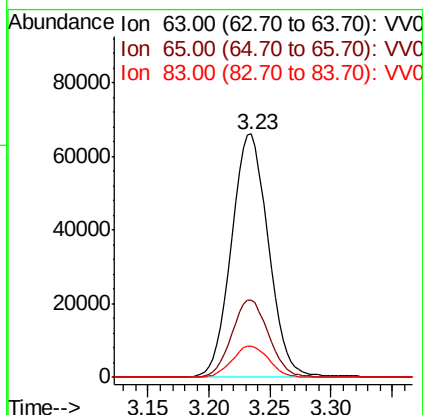
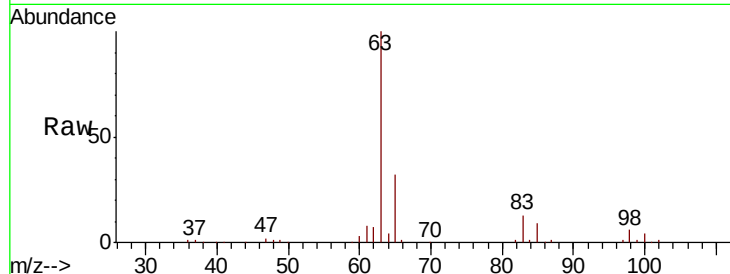




#19
 1,1-Dichloroethane
 Concen: 47.365 ug/L
 RT: 3.23 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VV008495.D
 Acq: 31 Oct 2018 15:08

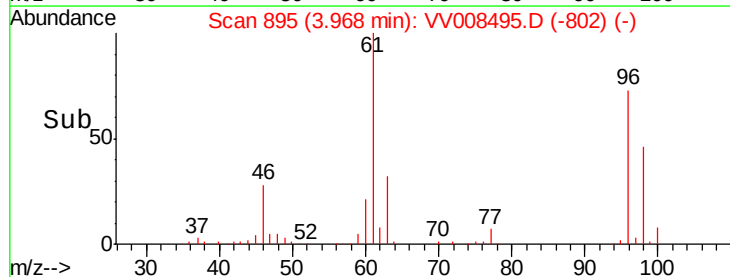
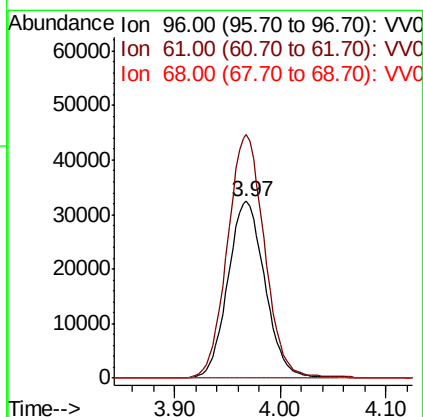
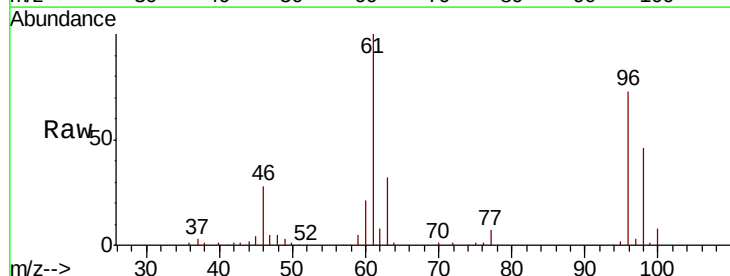
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05055

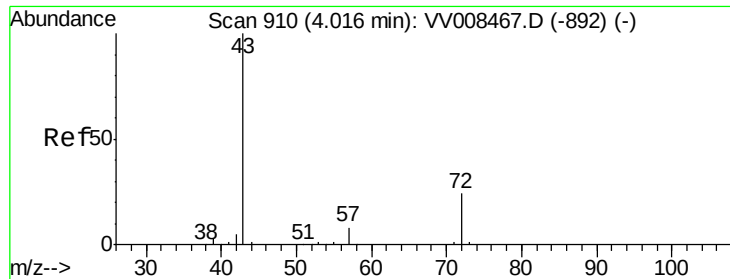
Tgt Ion: 63 Resp: 139041
 Ion Ratio Lower Upper
 63 100
 65 31.9 22.3 41.5
 83 12.8 9.0 16.6



#20
 cis-1,2-Dichloroethene
 Concen: 48.545 ug/L
 RT: 3.97 min Scan# 895
 Delta R.T. 0.00 min
 Lab File: VV008495.D
 Acq: 31 Oct 2018 15:08

Tgt Ion: 96 Resp: 79031
 Ion Ratio Lower Upper
 96 100
 61 137.6 96.3 178.9
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 107.757 ug/L

RT: 4.02 min Scan# 912

Delta R.T. 0.00 min

Lab File: VV008495.D

Acq: 31 Oct 2018 15:08

Instrument :

MSVOA_V

ClientSampleId :

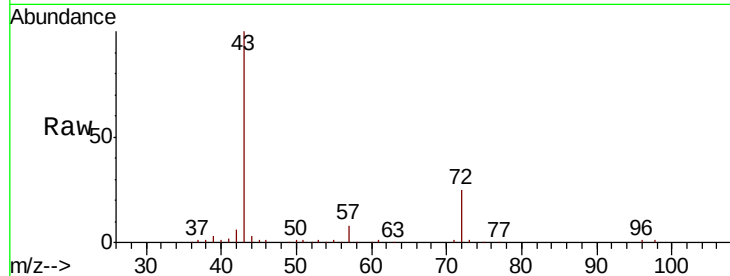
VSTD05055

Tgt Ion: 43 Resp: 156406

Ion Ratio Lower Upper

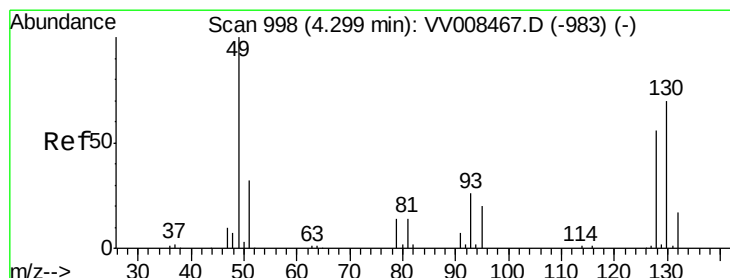
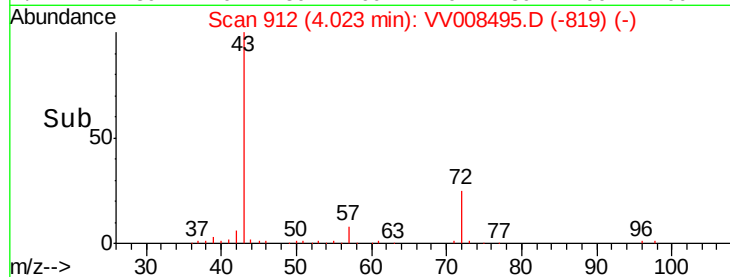
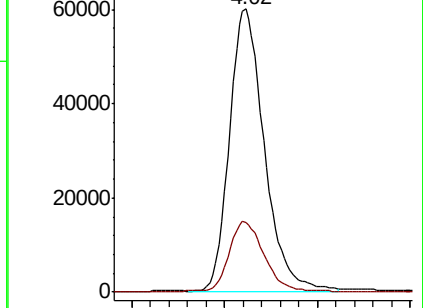
43 100

72 25.9 13.0 38.9



Abundance Ion 43.00 (42.70 to 43.70): VV008495.D (-819) (-)

Ion 72.00 (71.70 to 72.70): VV008495.D (-819) (-)



#23

Bromochloromethane

Concen: 47.095 ug/L

RT: 4.31 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VV008495.D

Acq: 31 Oct 2018 15:08

Tgt Ion: 128 Resp: 36051

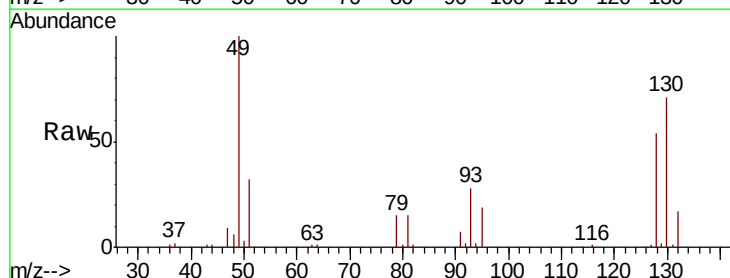
Ion Ratio Lower Upper

128 100

49 184.9 129.4 240.4

130 131.6 92.1 171.1

51 59.3 47.4 71.2

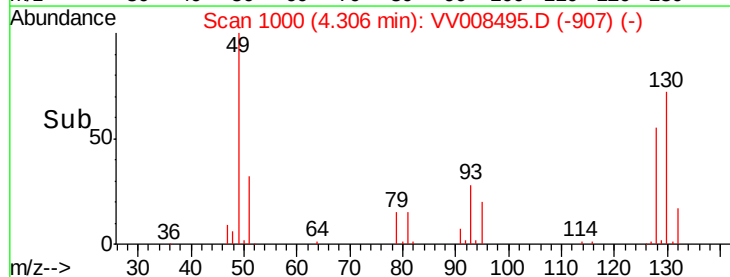
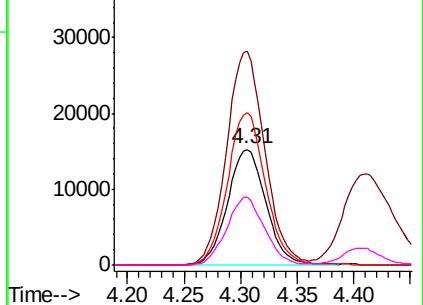


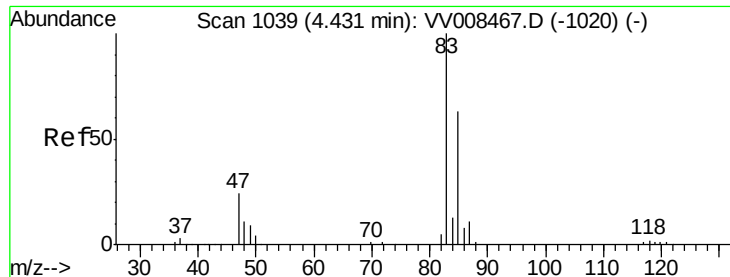
Abundance Ion 128.00 (127.70 to 128.70): VV008495.D (-907) (-)

Ion 49.00 (48.70 to 49.70): VV008495.D (-907) (-)

Ion 130.00 (129.70 to 130.70): VV008495.D (-907) (-)

Ion 51.00 (50.70 to 51.70): VV008495.D (-907) (-)

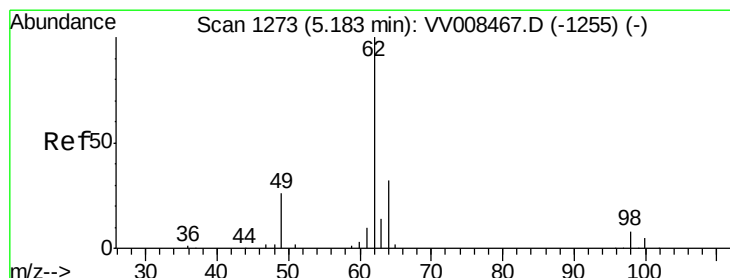
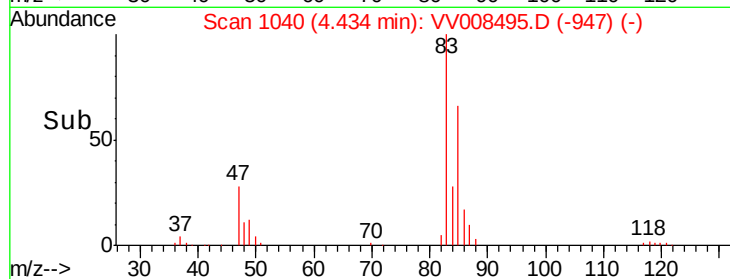
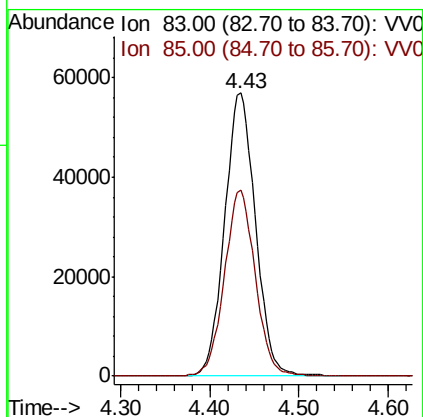
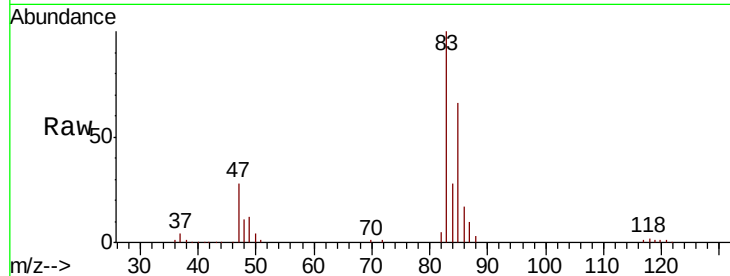




#25
Chloroform
Concen: 47.535 ug/L
RT: 4.43 min Scan# 1040
Delta R.T. 0.00 min
Lab File: VV008495.D
Acq: 31 Oct 2018 15:08

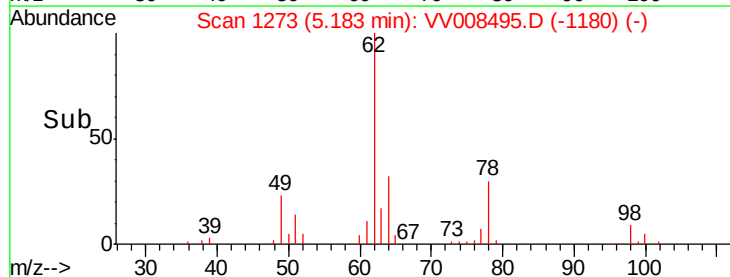
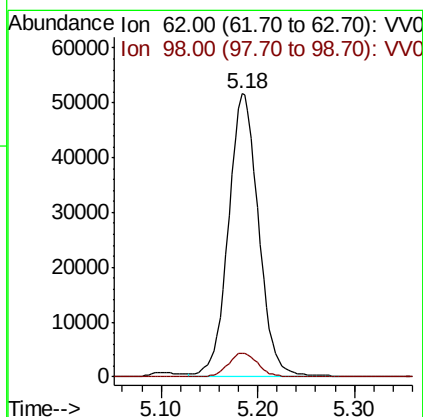
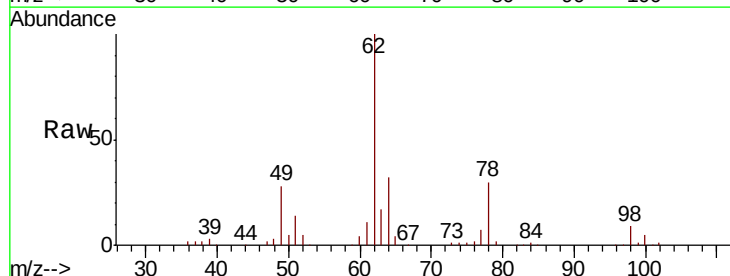
Instrument :
MSVOA_V
ClientSampleId :
VSTD05055

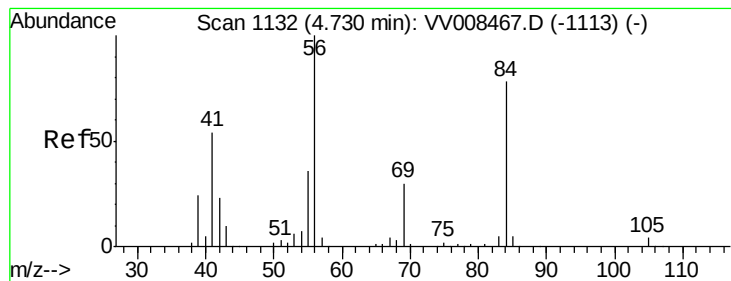
Tgt Ion: 83 Resp: 136415
Ion Ratio Lower Upper
83 100
85 65.6 45.9 85.3



#27
1,2-Dichloroethane
Concen: 46.429 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VV008495.D
Acq: 31 Oct 2018 15:08

Tgt Ion: 62 Resp: 110737
Ion Ratio Lower Upper
62 100
98 8.5 6.8 10.2





#29

Cyclohexane

Concen: 47.114 ug/L

RT: 4.73 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VV008495.D

Acq: 31 Oct 2018 15:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD05055

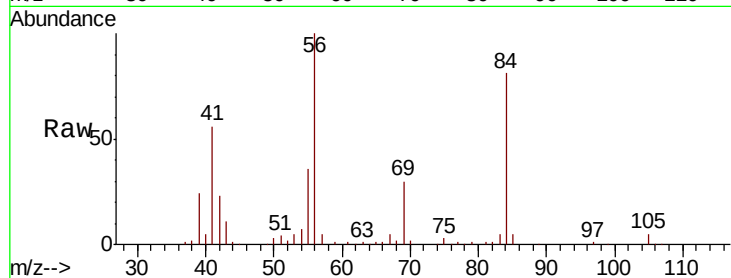
Tgt Ion: 56 Resp: 132442

Ion Ratio Lower Upper

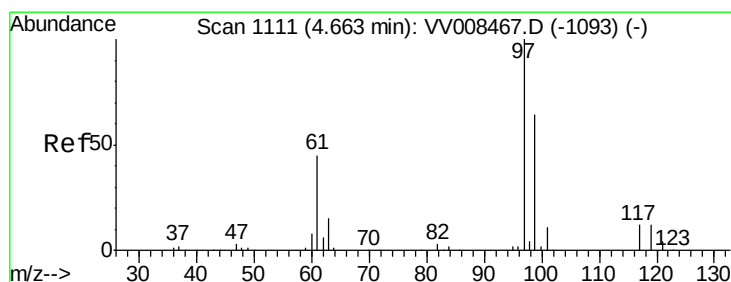
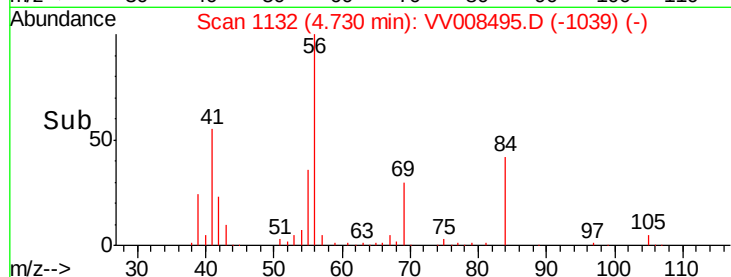
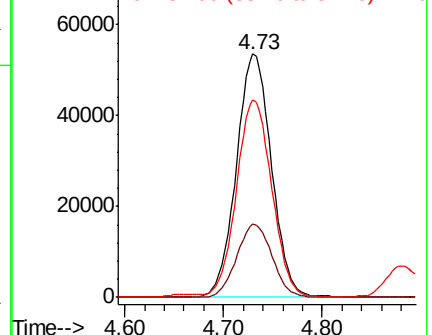
56 100

69 30.2 24.2 36.2

84 82.0 65.6 98.4



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: 47.358 ug/L

RT: 4.66 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VV008495.D

Acq: 31 Oct 2018 15:08

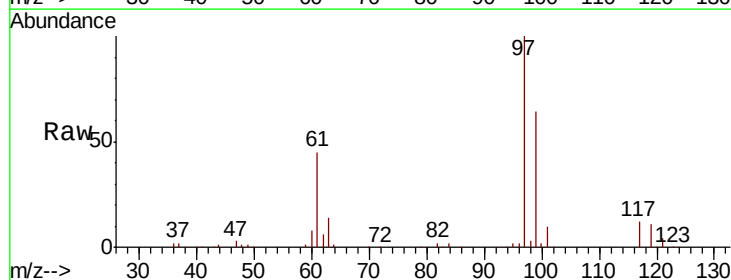
Tgt Ion: 97 Resp: 118310

Ion Ratio Lower Upper

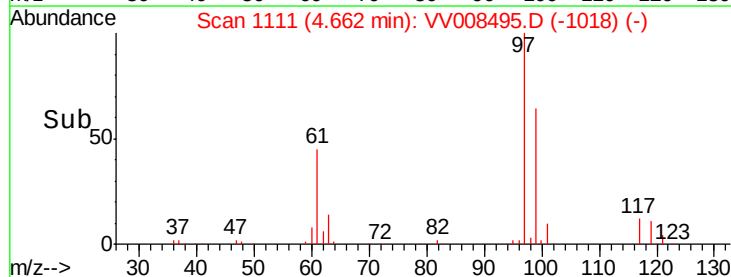
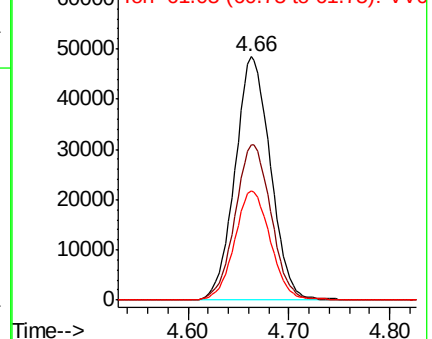
97 100

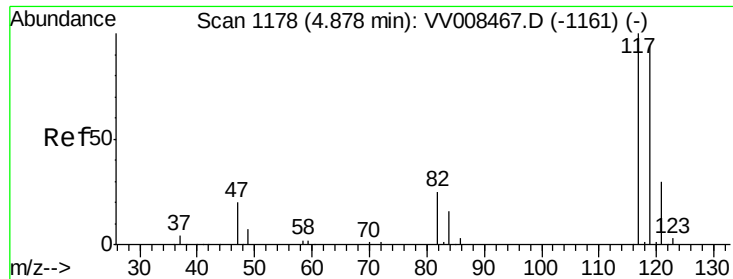
99 64.7 51.8 77.6

61 45.2 36.2 54.2



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

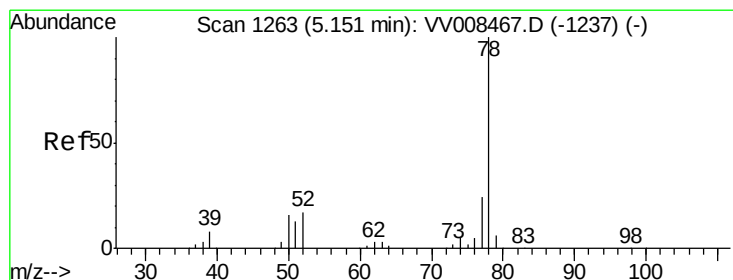
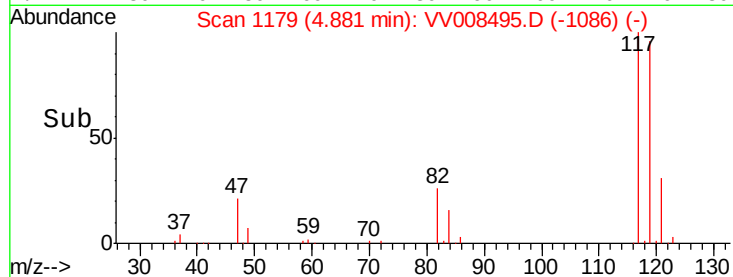
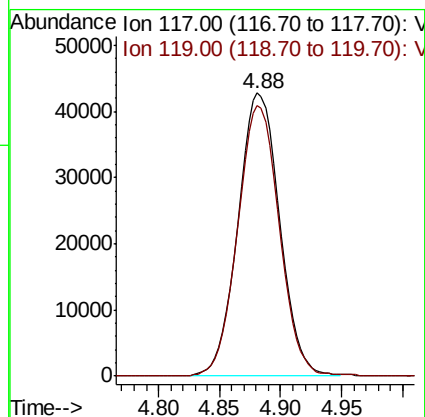
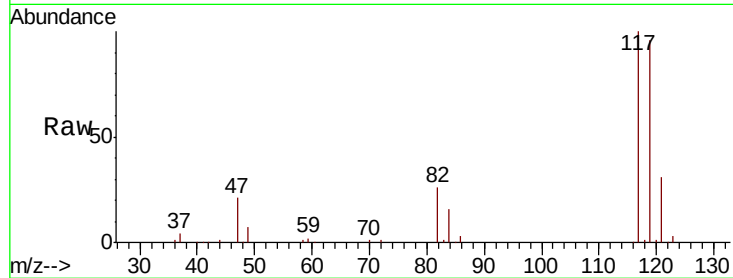




#31
Carbon tetrachloride
Concen: 47.614 ug/L
RT: 4.88 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VV008495.D
Acq: 31 Oct 2018 15:08

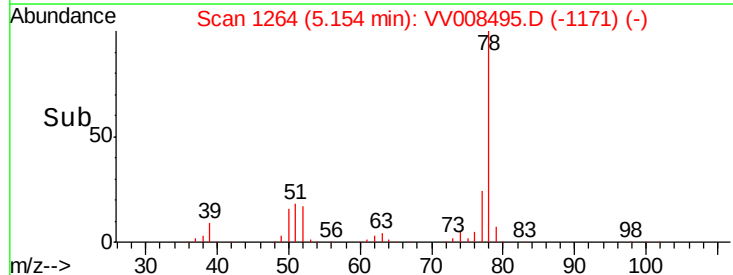
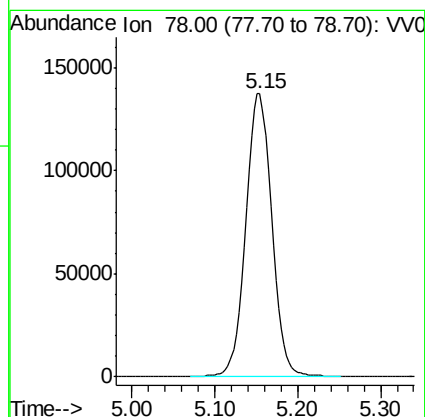
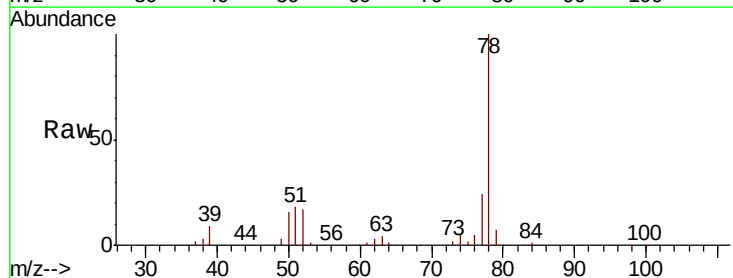
Instrument :
MSVOA_V
ClientSampleId :
VSTD05055

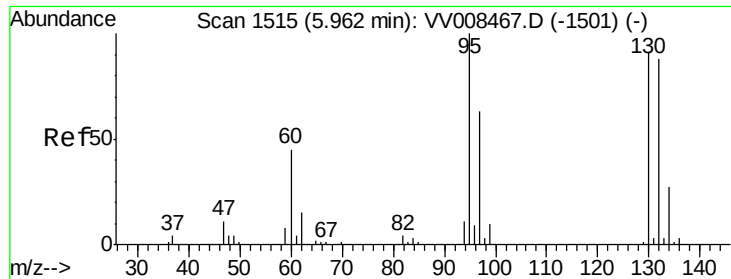
Tgt Ion:117 Resp: 101039
Ion Ratio Lower Upper
117 100
119 95.6 76.5 114.7



#33
Benzene
Concen: 47.625 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV008495.D
Acq: 31 Oct 2018 15:08

Tgt Ion: 78 Resp: 300217

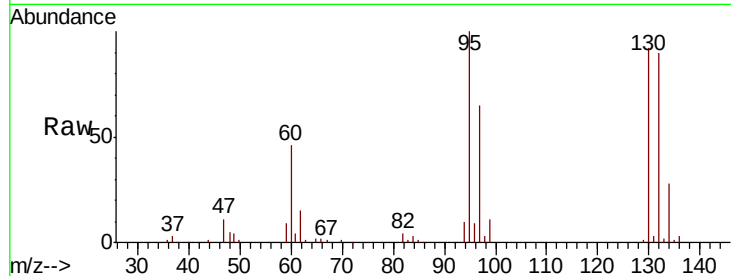




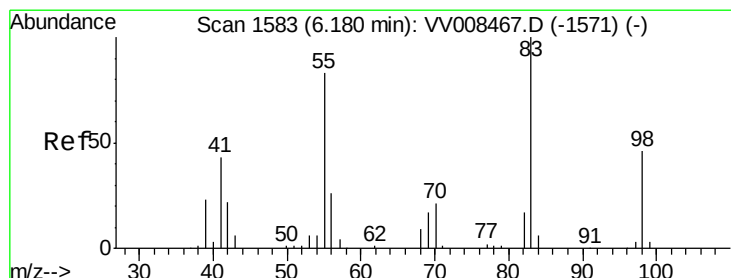
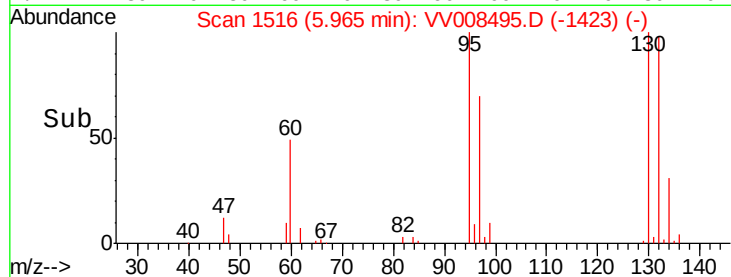
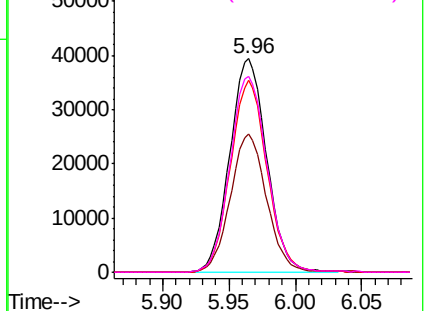
#34
 Trichloroethene
 Concen: 47.108 ug/L
 RT: 5.96 min Scan# 1516
 Delta R.T. 0.00 min
 Lab File: VV008495.D
 Acq: 31 Oct 2018 15:08

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05055

Tgt Ion: 95 Resp: 76057
 Ion Ratio Lower Upper
 95 100
 97 64.7 45.3 84.1
 132 89.7 62.8 116.6
 130 91.9 64.3 119.5

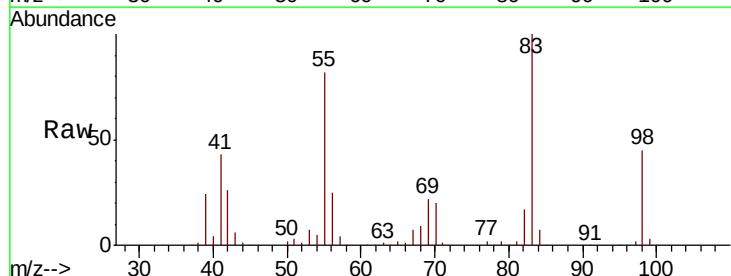


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

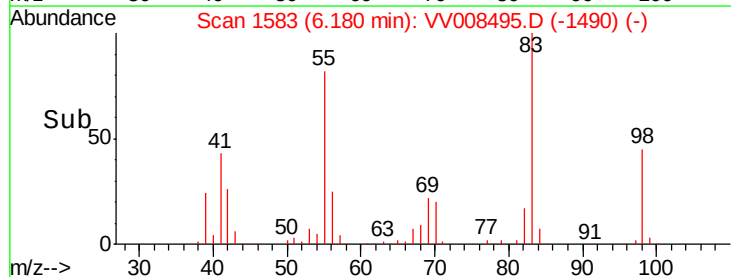
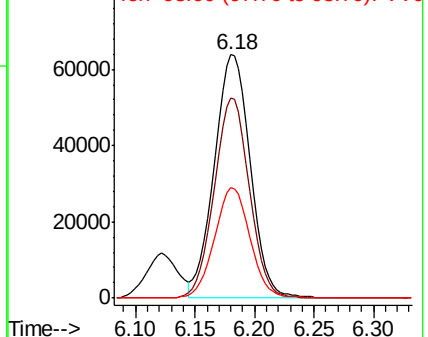


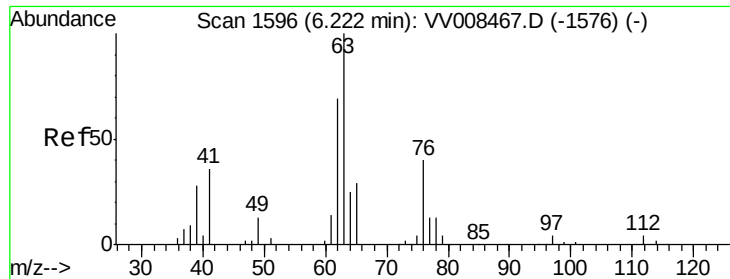
#35
 Methylcyclohexane
 Concen: 48.722 ug/L
 RT: 6.18 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VV008495.D
 Acq: 31 Oct 2018 15:08

Tgt Ion: 83 Resp: 133966
 Ion Ratio Lower Upper
 83 100
 55 79.8 63.8 95.8
 98 44.9 35.9 53.9



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

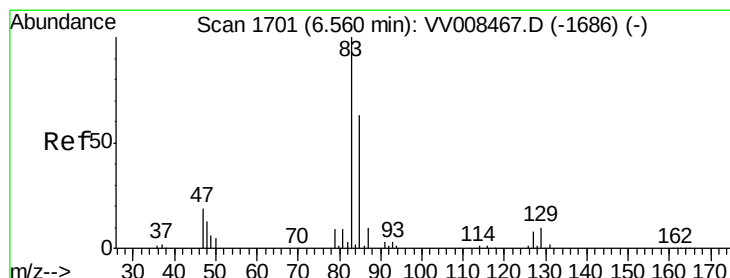
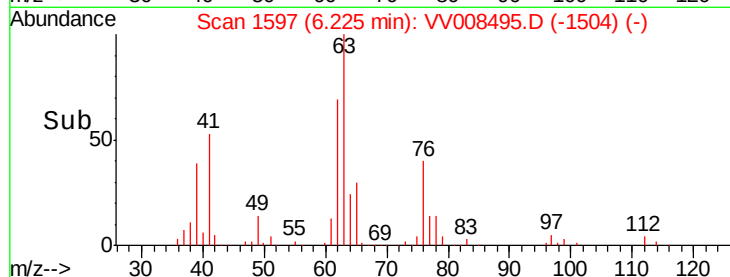
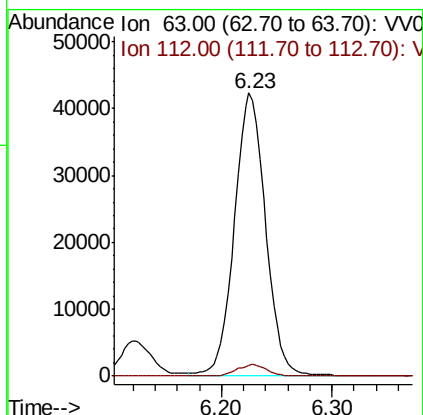
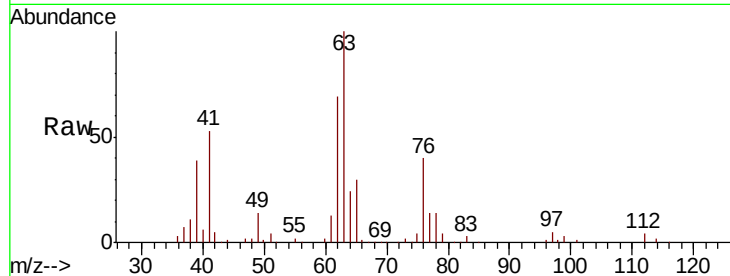




#37
 1,2-Dichloropropane
 Concen: 47.680 ug/L
 RT: 6.23 min Scan# 1597
 Delta R.T. 0.00 min
 Lab File: VV008495.D
 Acq: 31 Oct 2018 15:08

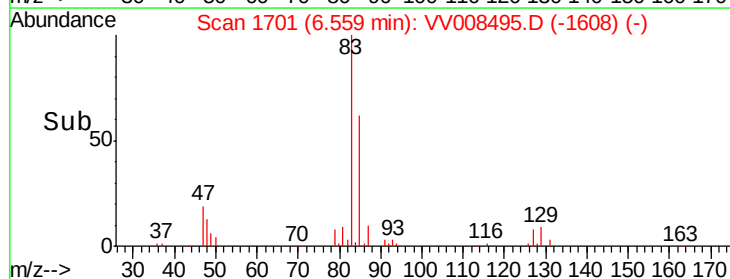
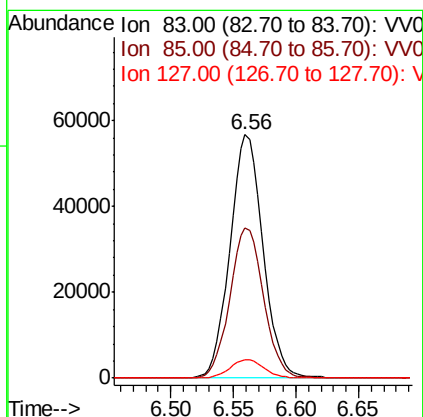
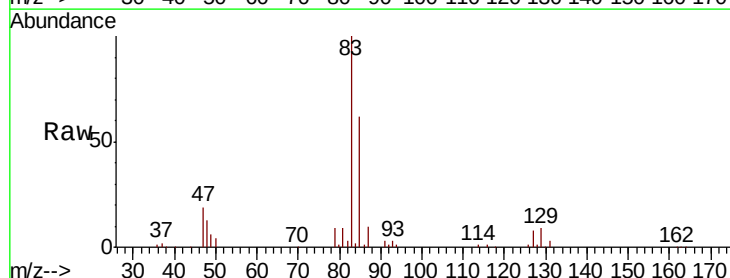
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05055

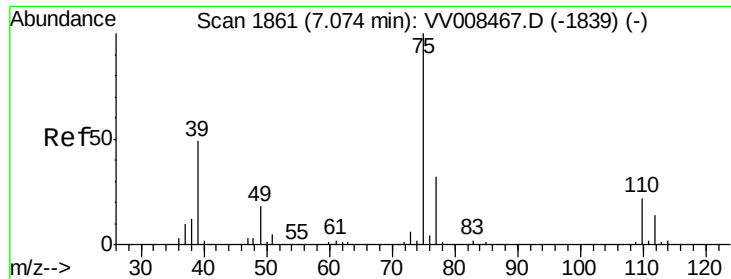
Tgt Ion: 63 Resp: 83152
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.1 4.7



#38
 Bromodichloromethane
 Concen: 46.867 ug/L
 RT: 6.56 min Scan# 1701
 Delta R.T. 0.00 min
 Lab File: VV008495.D
 Acq: 31 Oct 2018 15:08

Tgt Ion: 83 Resp: 103919
 Ion Ratio Lower Upper
 83 100
 85 61.9 43.3 80.5
 127 7.6 6.1 9.1

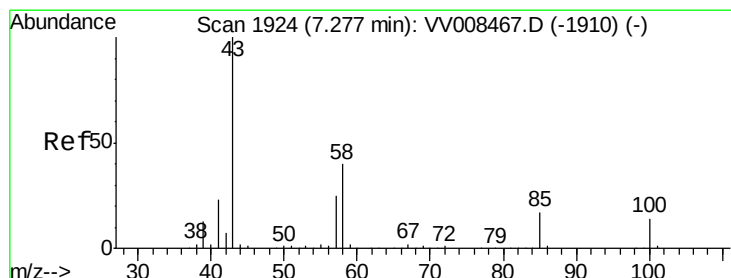
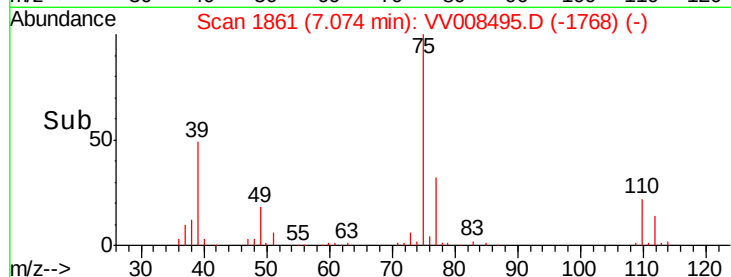
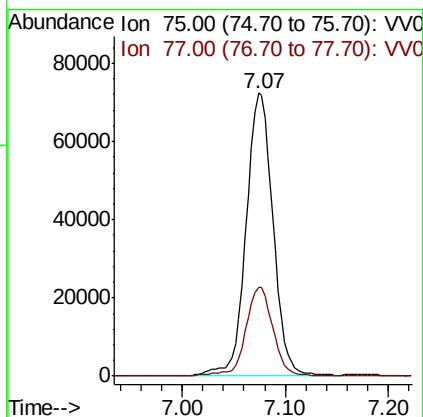
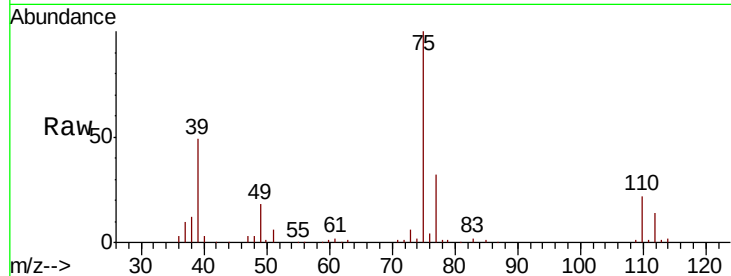




#39
 cis-1,3-Dichloropropene
 Concen: 48.027 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VV008495.D
 Acq: 31 Oct 2018 15:08

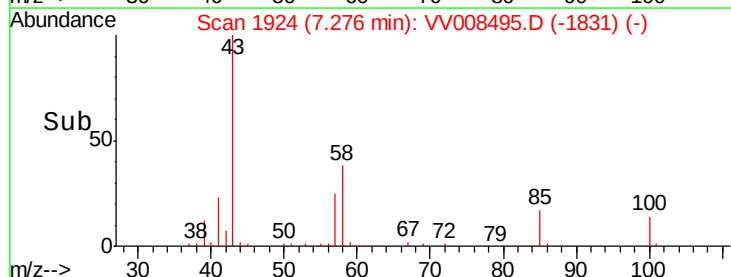
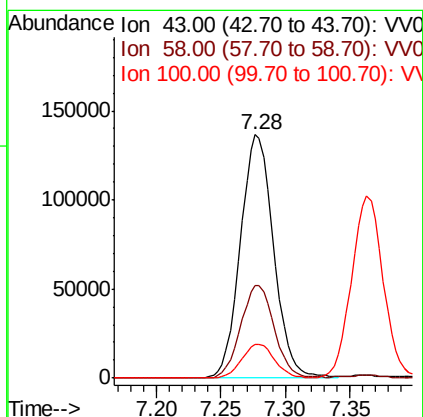
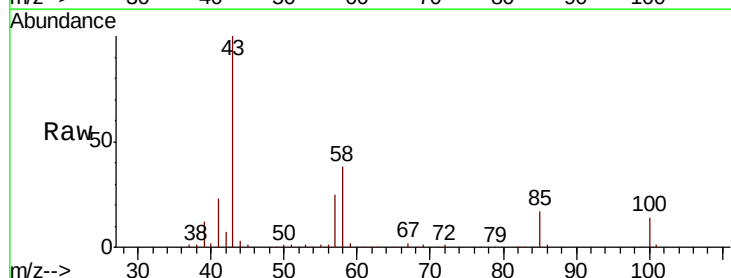
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05055

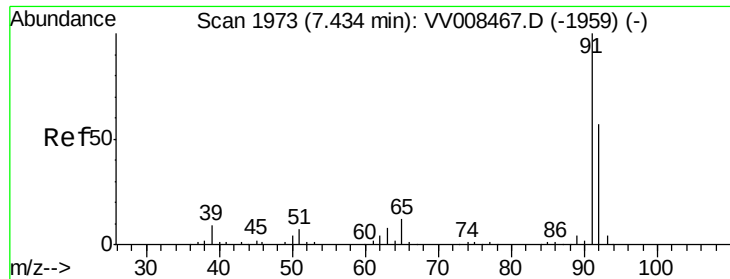
Tgt Ion: 75 Resp: 131410
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 94.924 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV008495.D
 Acq: 31 Oct 2018 15:08

Tgt Ion: 43 Resp: 245234
 Ion Ratio Lower Upper
 43 100
 58 38.5 30.8 46.2
 100 13.8 11.0 16.6





#42

Toluene

Concen: 47.386 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV008495.D

Acq: 31 Oct 2018 15:08

Instrument :

MSVOA_V

ClientSampleId :

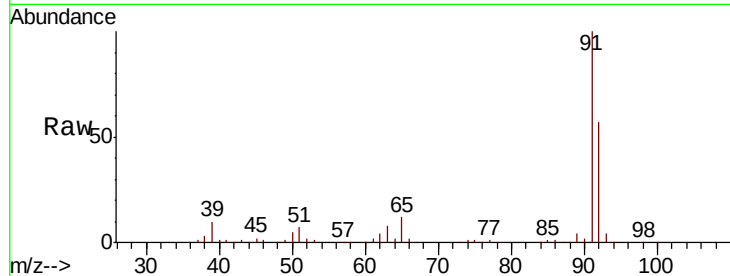
VSTD05055

Tgt Ion: 91 Resp: 309402

Ion Ratio Lower Upper

91 100

92 57.1 40.0 74.2



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

200000

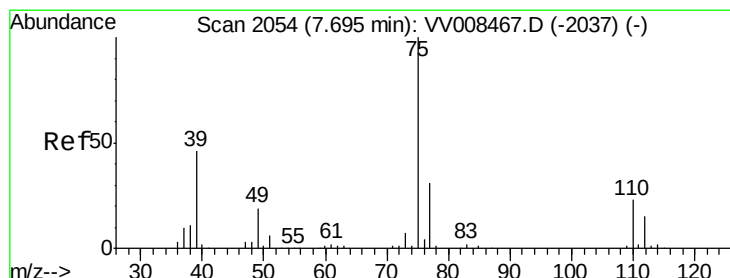
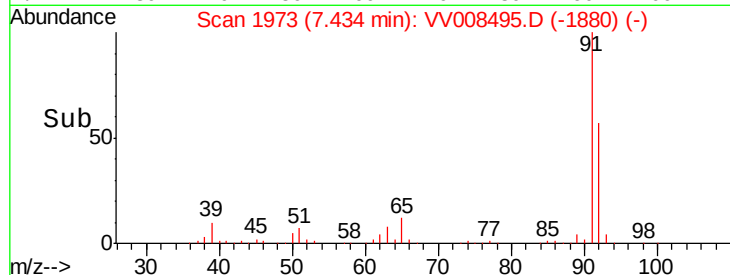
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 48.337 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV008495.D

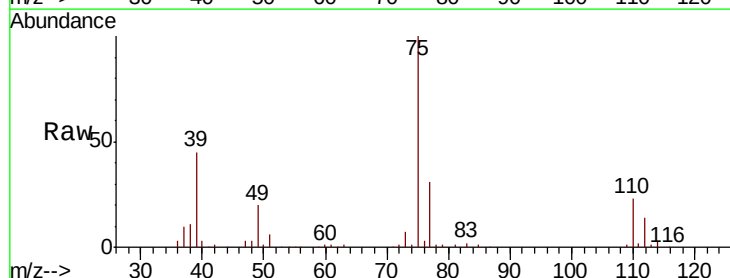
Acq: 31 Oct 2018 15:08

Tgt Ion: 75 Resp: 123889

Ion Ratio Lower Upper

75 100

77 31.0 21.7 40.3



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

80000

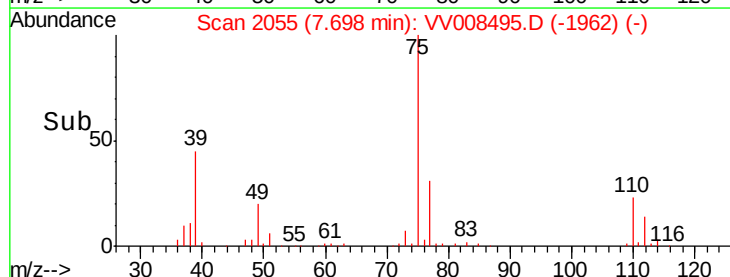
60000

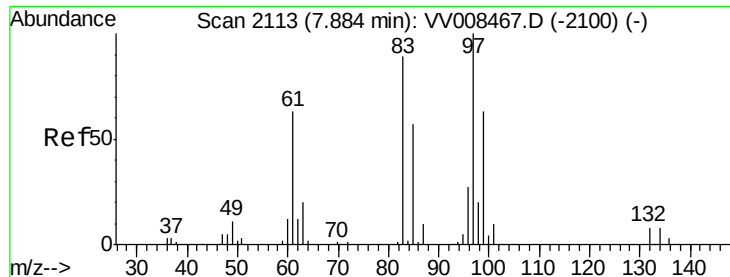
40000

20000

0

Time-->

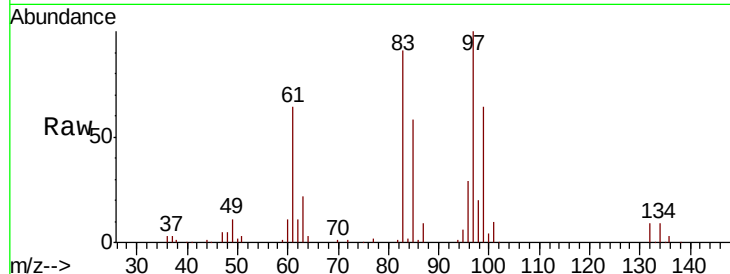




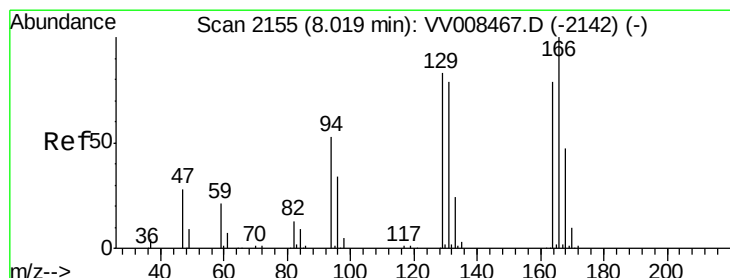
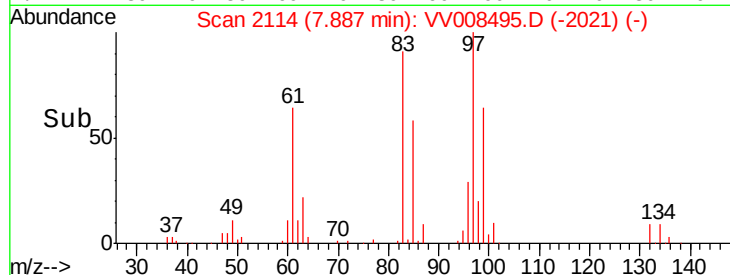
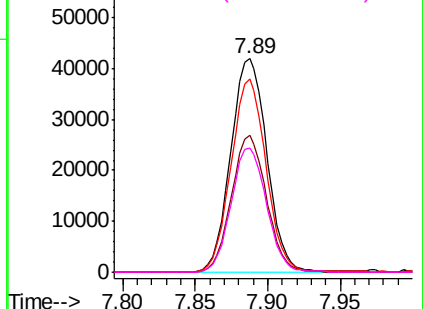
#45
 1,1,2-Trichloroethane
 Concen: 47.498 ug/L
 RT: 7.89 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VV008495.D
 Acq: 31 Oct 2018 15:08

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05055

Tgt Ion: 97 Resp: 72923
 Ion Ratio Lower Upper
 97 100
 99 63.9 44.7 83.1
 83 90.8 63.6 118.0
 85 58.4 40.9 75.9

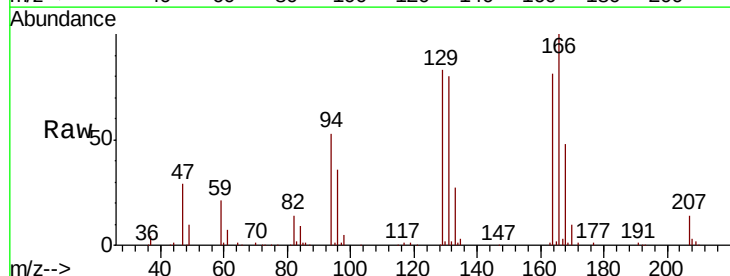


Abundance Ion 97.00 (96.70 to 97.70): VV0
 Ion 99.00 (98.70 to 99.70): VV0
 Ion 83.00 (82.70 to 83.70): VV0
 Ion 85.00 (84.70 to 85.70): VV0

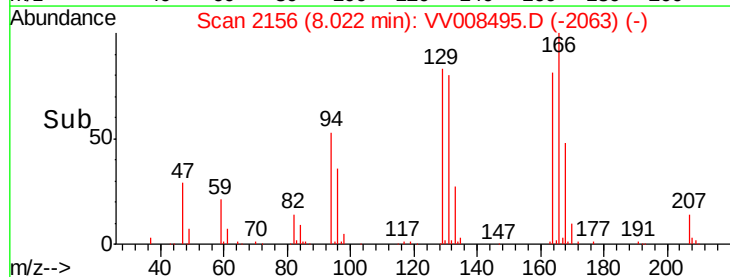
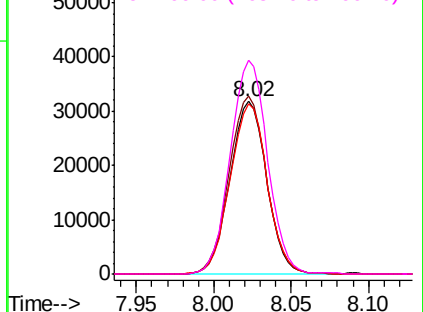


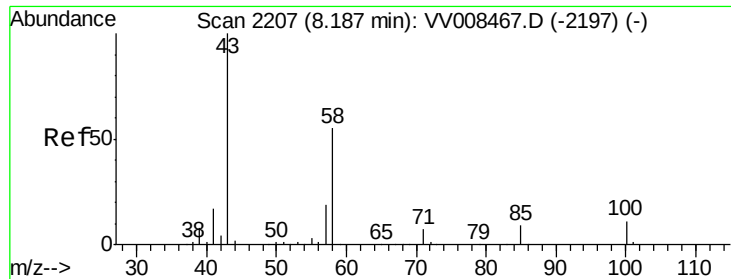
#46
 Tetrachloroethene
 Concen: 49.681 ug/L
 RT: 8.02 min Scan# 2156
 Delta R.T. 0.00 min
 Lab File: VV008495.D
 Acq: 31 Oct 2018 15:08

Tgt Ion: 164 Resp: 52644
 Ion Ratio Lower Upper
 164 100
 129 102.8 72.0 133.6
 131 98.3 68.8 127.8
 166 123.6 86.5 160.7



Abundance Ion 164.00 (163.70 to 164.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 131.00 (130.70 to 131.70): V
 Ion 166.00 (165.70 to 166.70): V

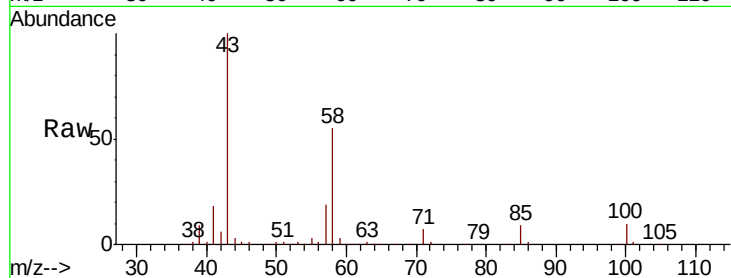




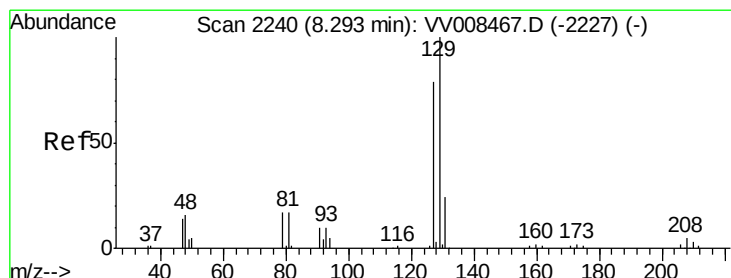
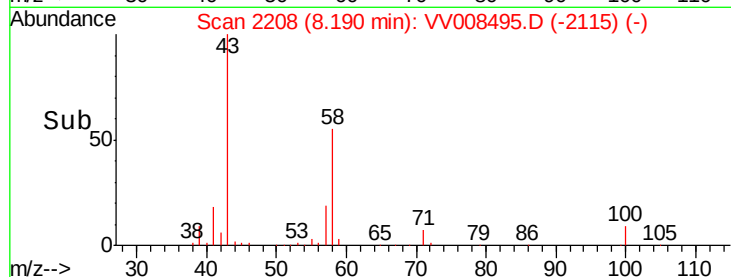
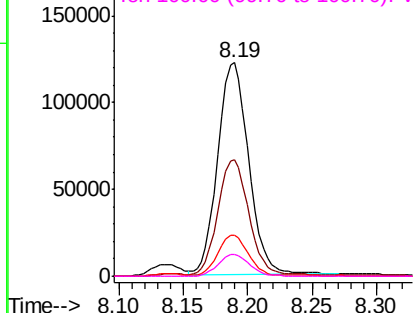
#48
2-Hexanone
Concen: 101.208 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VV008495.D
Acq: 31 Oct 2018 15:08

Instrument :
MSVOA_V
ClientSampleId :
VSTD05055

Tgt Ion: 43 Resp: 204794
Ion Ratio Lower Upper
43 100
58 54.5 43.6 65.4
57 18.8 15.0 22.6
100 10.4 8.3 12.5

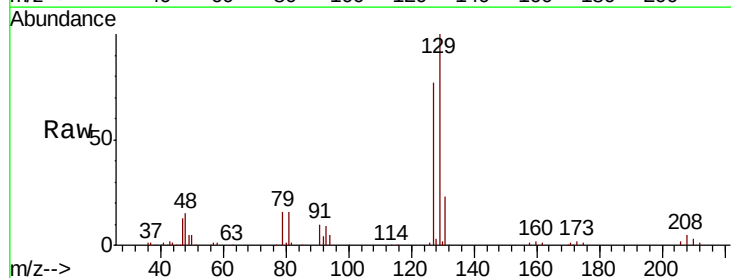


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

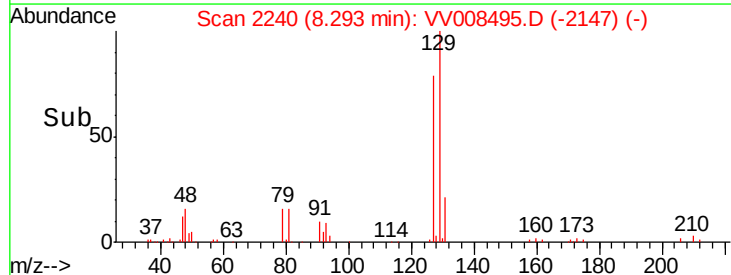
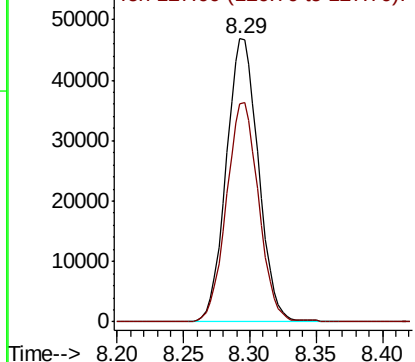


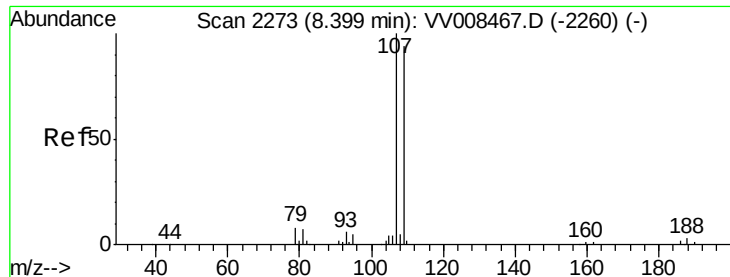
#49
Dibromochloromethane
Concen: 47.972 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VV008495.D
Acq: 31 Oct 2018 15:08

Tgt Ion: 129 Resp: 79241
Ion Ratio Lower Upper
129 100
127 77.0 53.9 100.1



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

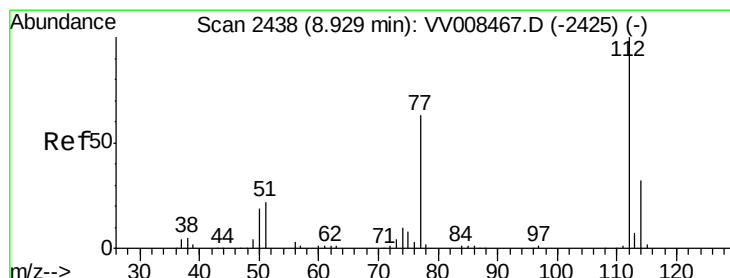
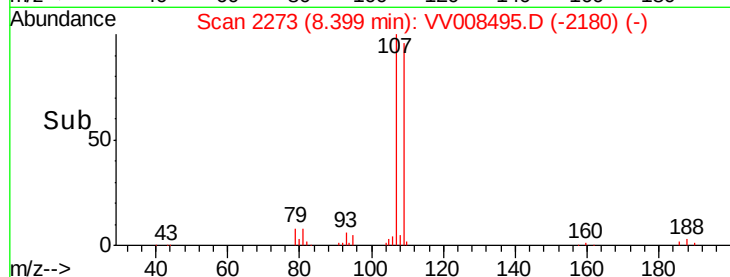
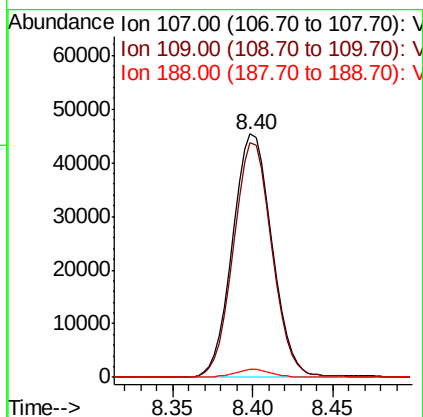
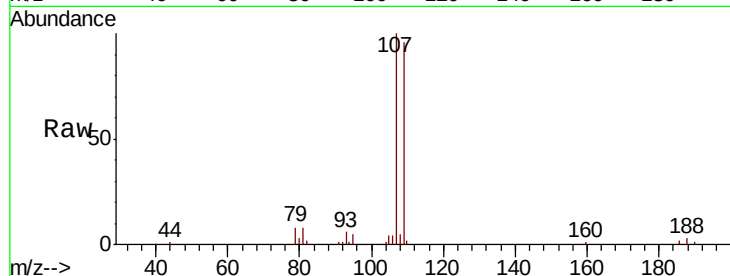




#50
 1,2-Dibromoethane
 Concen: 47.356 ug/L
 RT: 8.40 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VV008495.D
 Acq: 31 Oct 2018 15:08

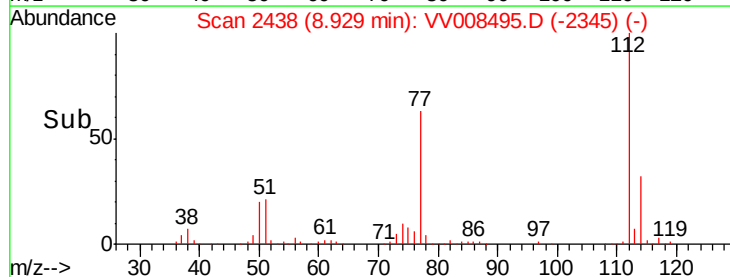
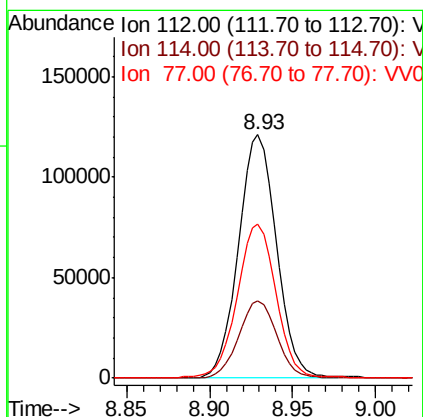
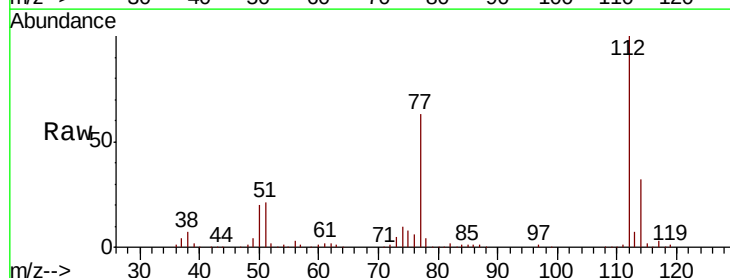
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05055

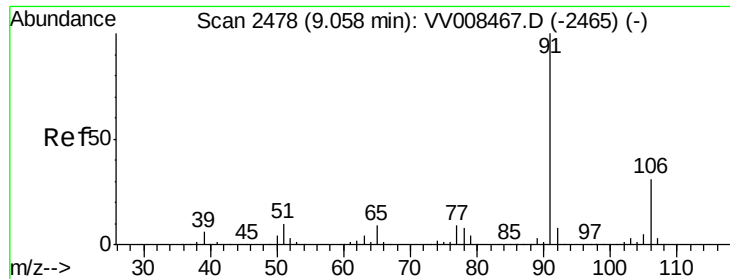
Tgt Ion:107 Resp: 76274
 Ion Ratio Lower Upper
 107 100
 109 96.2 67.3 125.1
 188 3.2 2.6 3.8



#51
 Chlorobenzene
 Concen: 48.070 ug/L
 RT: 8.93 min Scan# 2438
 Delta R.T. 0.00 min
 Lab File: VV008495.D
 Acq: 31 Oct 2018 15:08

Tgt Ion:112 Resp: 193975
 Ion Ratio Lower Upper
 112 100
 114 31.9 22.3 41.5
 77 63.1 50.5 75.7





#52

Ethylbenzene

Concen: 48.239 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV008495.D

Acq: 31 Oct 2018 15:08

Instrument :

MSVOA_V

ClientSampleId :

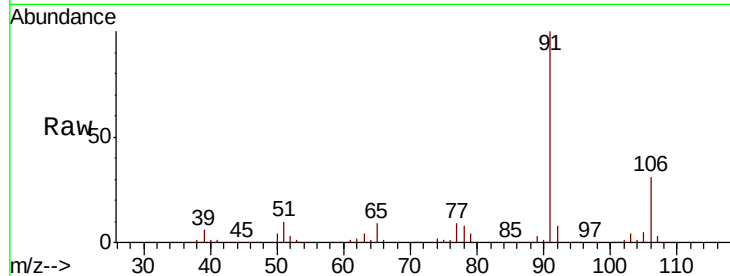
VSTD05055

Tgt Ion: 91 Resp: 353569

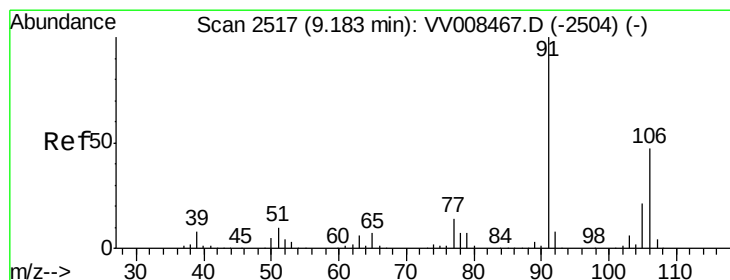
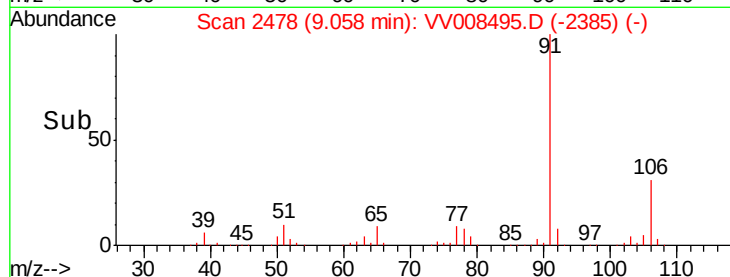
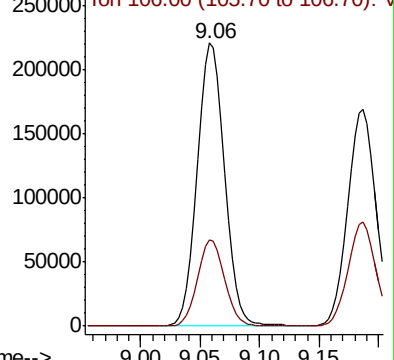
Ion Ratio Lower Upper

91 100

106 30.6 21.4 39.8



Abundance Ion 91.00 (90.70 to 91.70): VV008467.D (-2465) (-)



#53

m,p-Xylene

Concen: 49.289 ug/L

RT: 9.19 min Scan# 2518

Delta R.T. 0.00 min

Lab File: VV008495.D

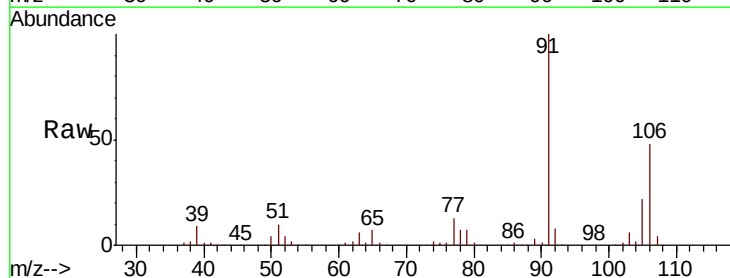
Acq: 31 Oct 2018 15:08

Tgt Ion: 106 Resp: 132659

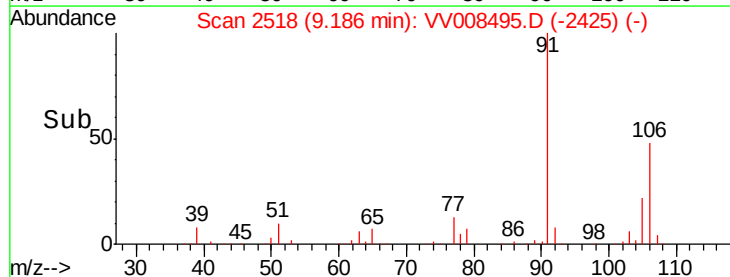
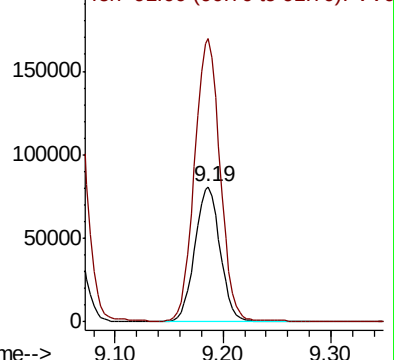
Ion Ratio Lower Upper

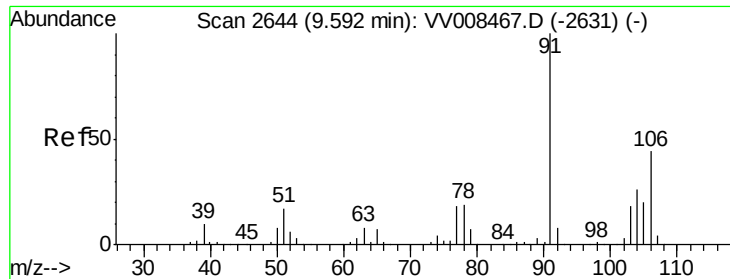
106 100

91 209.1 146.4 271.8



Abundance Ion 106.00 (105.70 to 106.70): VV008495.D (-2425) (-)





#54

o-xylene

Concen: 48.312 ug/L

RT: 9.59 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VV008495.D

Acq: 31 Oct 2018 15:08

Instrument :

MSVOA_V

ClientSampleId :

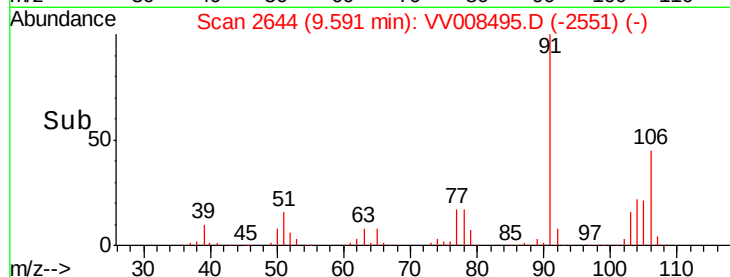
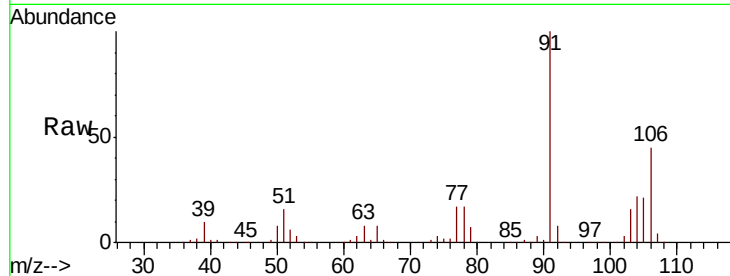
VSTD05055

Tgt Ion:106 Resp: 129755

Ion Ratio Lower Upper

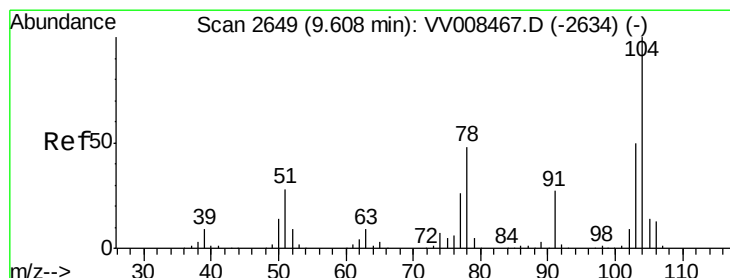
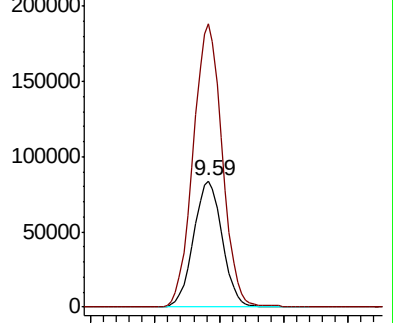
106 100

91 224.2 156.9 291.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 48.845 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. 0.00 min

Lab File: VV008495.D

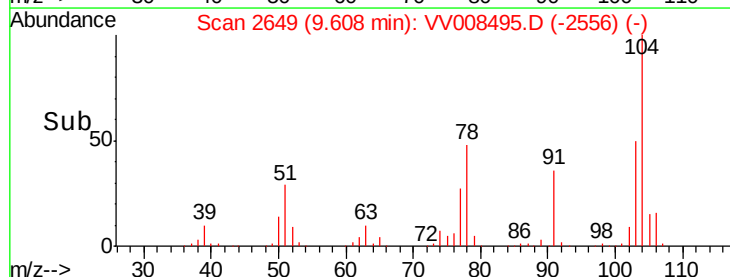
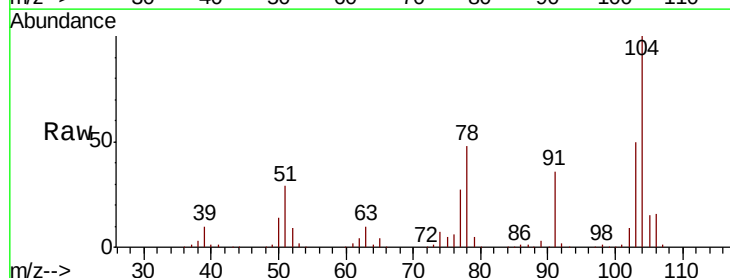
Acq: 31 Oct 2018 15:08

Tgt Ion:104 Resp: 220818

Ion Ratio Lower Upper

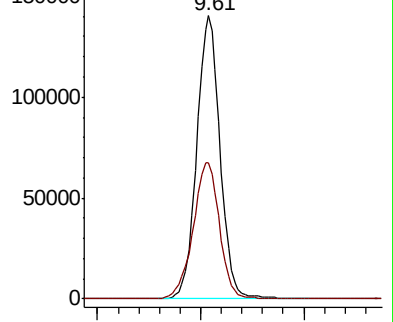
104 100

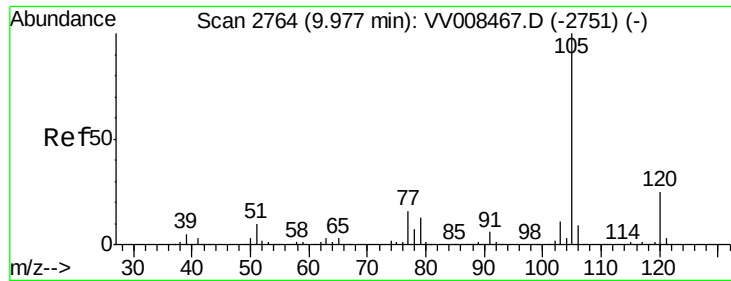
78 48.2 33.7 62.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 48.973 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV008495.D

Acq: 31 Oct 2018 15:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD05055

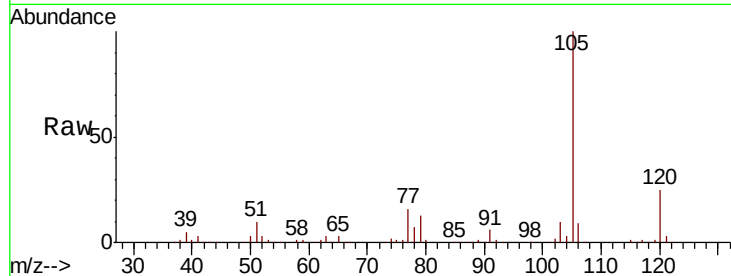
Tgt Ion: 105 Resp: 344062

Ion Ratio Lower Upper

105 100

120 25.5 20.4 30.6

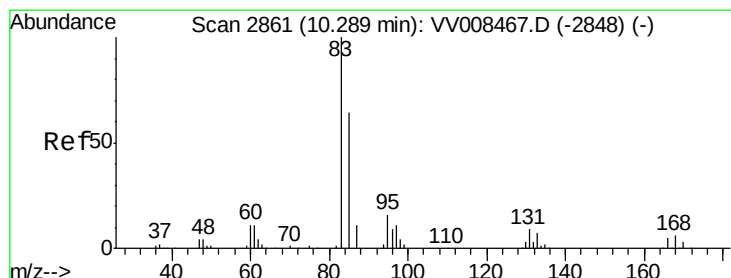
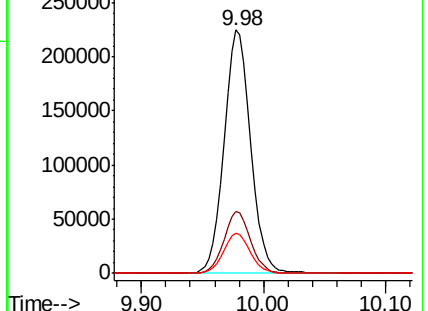
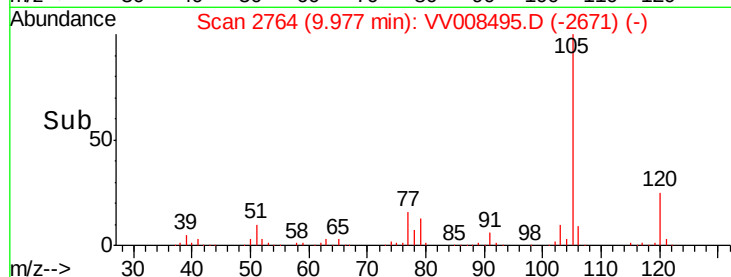
77 16.6 13.3 19.9



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: 48.202 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV008495.D

Acq: 31 Oct 2018 15:08

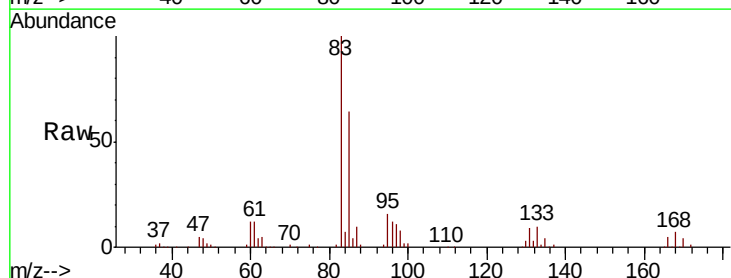
Tgt Ion: 83 Resp: 130318

Ion Ratio Lower Upper

83 100

85 64.5 45.1 83.9

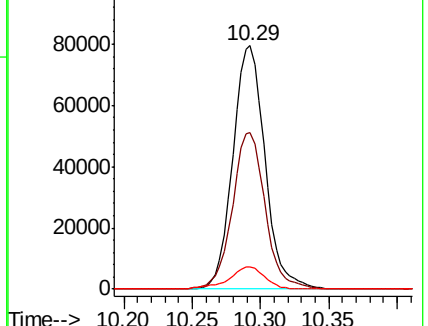
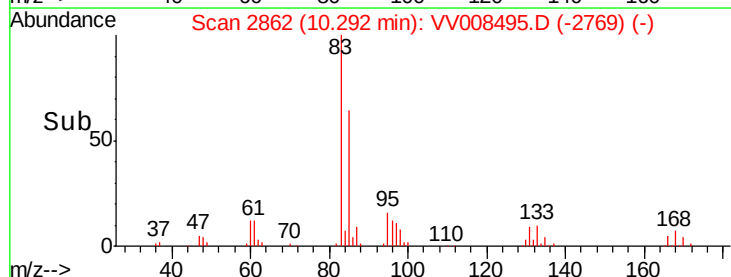
131 9.3 7.4 11.2

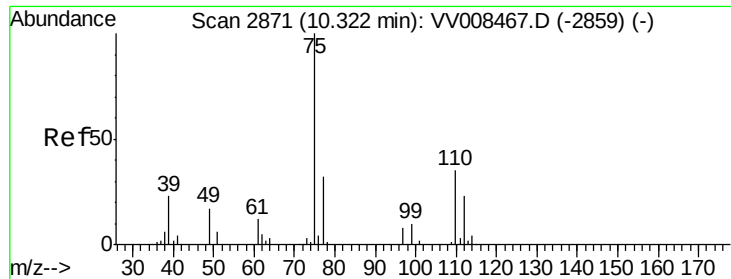


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

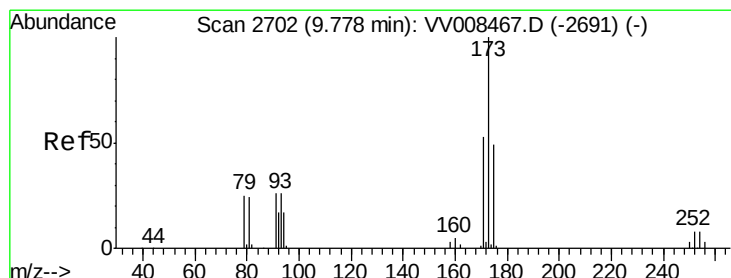
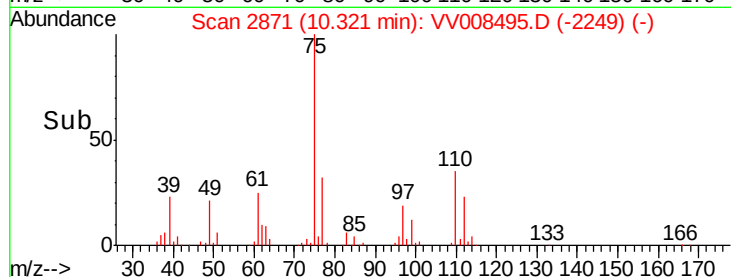
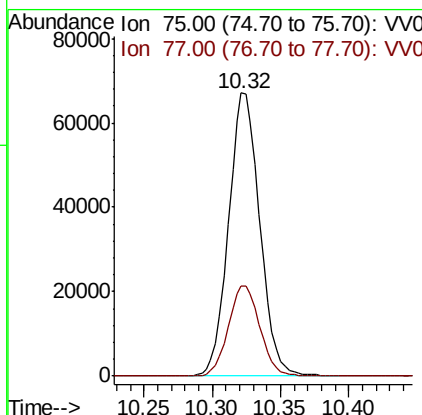
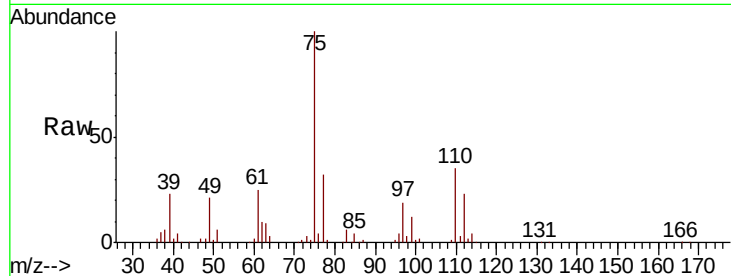




#59
 1,2,3-Trichloropropane
 Concen: 48.638 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VV008495.D
 Acq: 31 Oct 2018 15:08

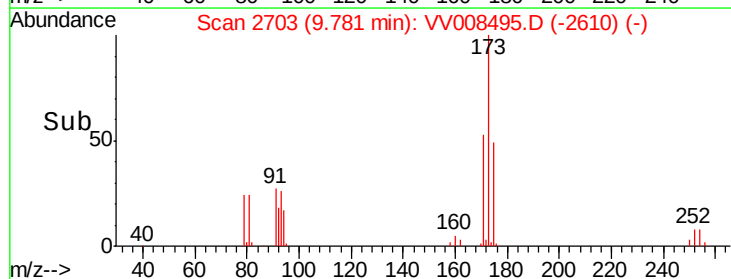
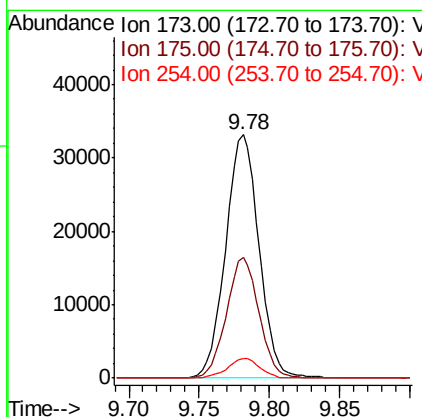
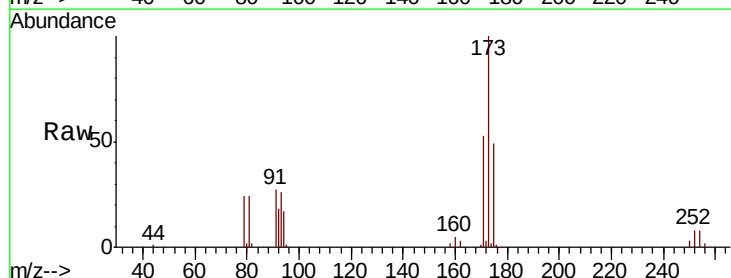
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05055

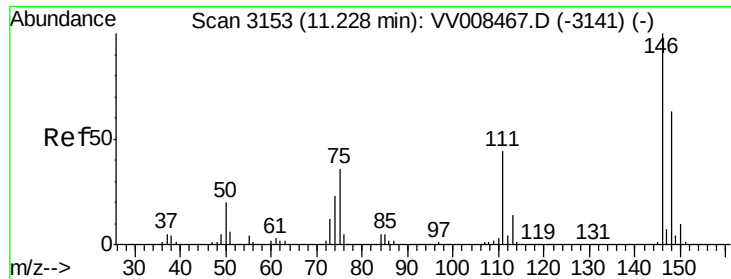
Tgt Ion: 75 Resp: 106649
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.9 38.9



#61
 Bromoform
 Concen: 47.357 ug/L
 RT: 9.78 min Scan# 2703
 Delta R.T. 0.00 min
 Lab File: VV008495.D
 Acq: 31 Oct 2018 15:08

Tgt Ion: 173 Resp: 54799
 Ion Ratio Lower Upper
 173 100
 175 48.2 38.6 57.8
 254 7.5 6.0 9.0

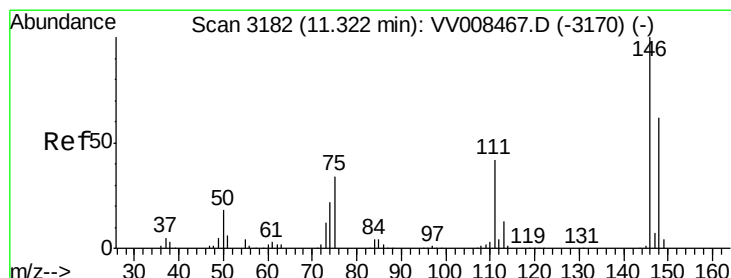
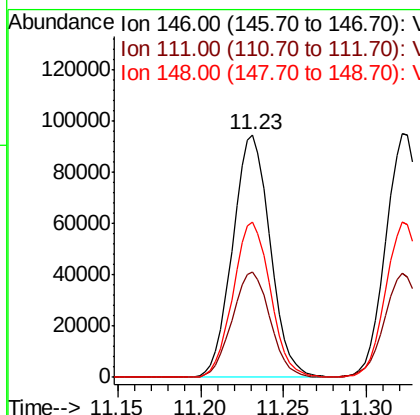
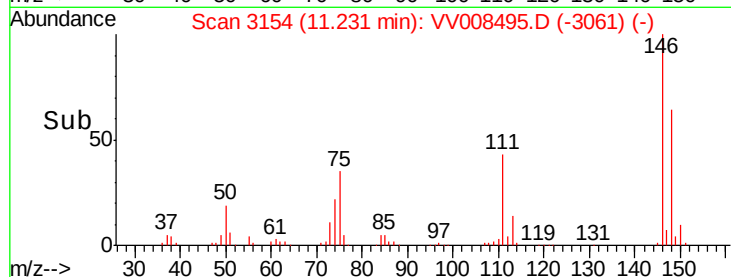
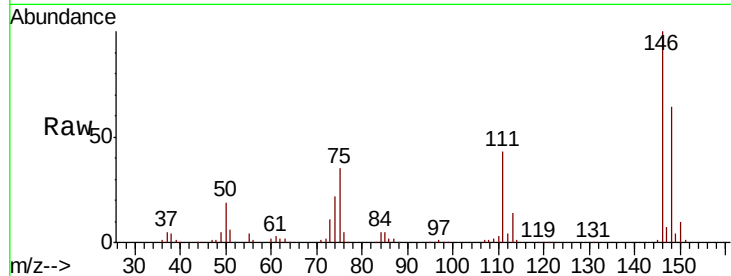




#62
 1,3-Dichlorobenzene
 Concen: 48.729 ug/L
 RT: 11.23 min Scan# 3154
 Delta R.T. 0.00 min
 Lab File: VV008495.D
 Acq: 31 Oct 2018 15:08

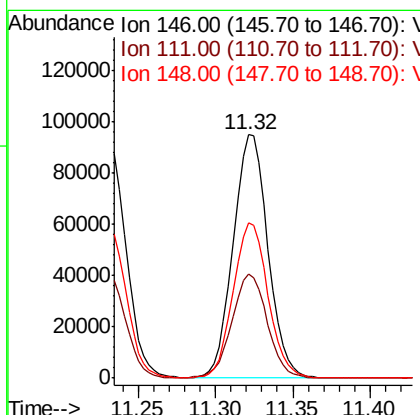
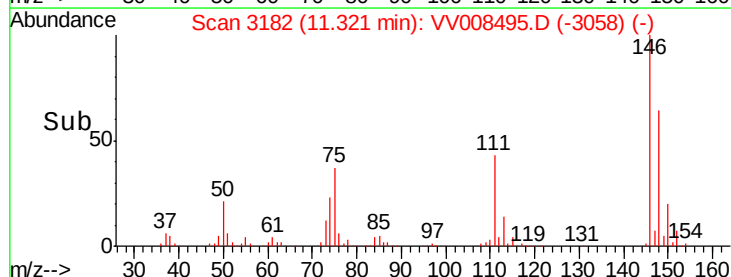
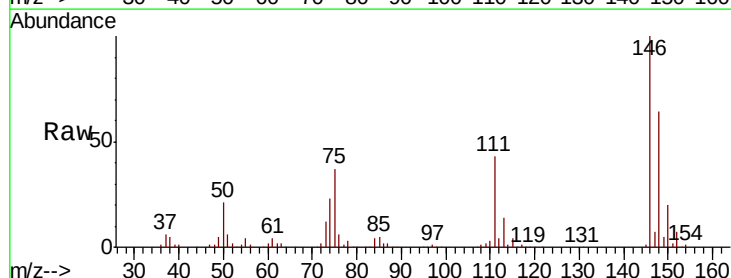
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05055

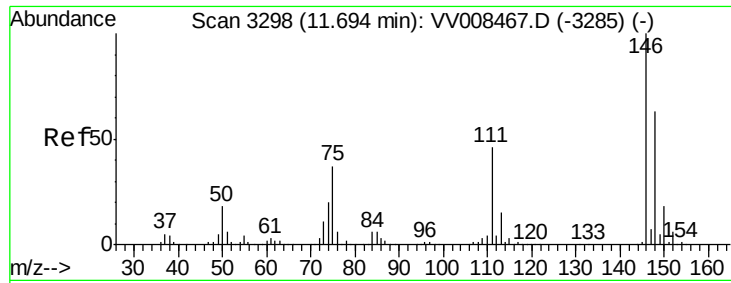
Tgt Ion:146 Resp: 148672
 Ion Ratio Lower Upper
 146 100
 111 43.3 30.3 56.3
 148 63.8 44.7 82.9



#63
 1,4-Dichlorobenzene
 Concen: 48.440 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VV008495.D
 Acq: 31 Oct 2018 15:08

Tgt Ion:146 Resp: 147854
 Ion Ratio Lower Upper
 146 100
 111 42.6 29.8 55.4
 148 63.6 44.5 82.7

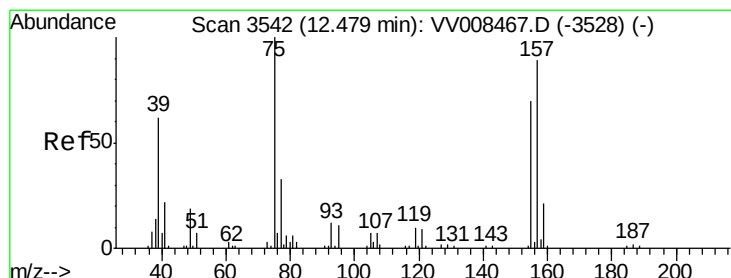
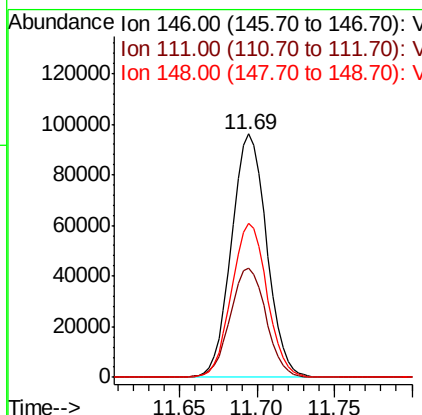
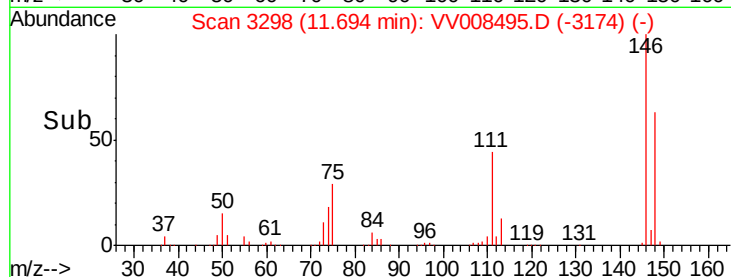
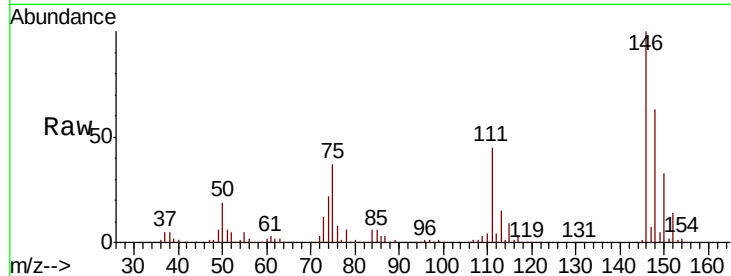




#65
 1,2-Dichlorobenzene
 Concen: 48.790 ug/L
 RT: 11.69 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VV008495.D
 Acq: 31 Oct 2018 15:08

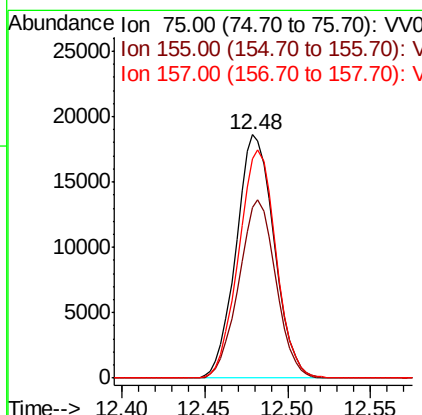
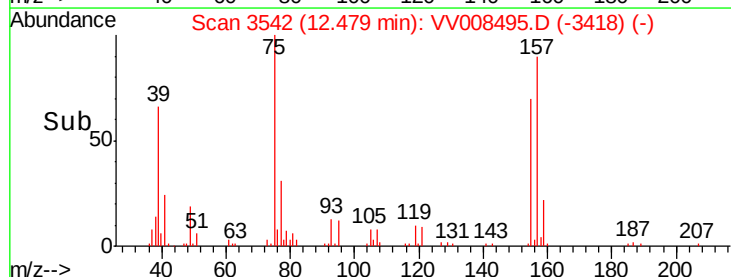
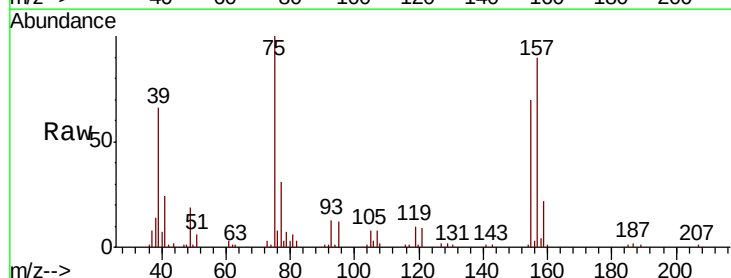
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05055

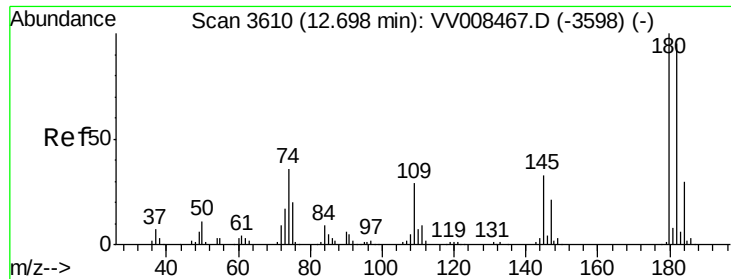
Tgt Ion: 146 Resp: 151575
 Ion Ratio Lower Upper
 146 100
 111 44.9 35.9 53.9
 148 63.3 50.6 76.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 46.894 ug/L
 RT: 12.48 min Scan# 3542
 Delta R.T. 0.00 min
 Lab File: VV008495.D
 Acq: 31 Oct 2018 15:08

Tgt Ion: 75 Resp: 29701
 Ion Ratio Lower Upper
 75 100
 155 69.8 55.8 83.8
 157 90.0 72.0 108.0

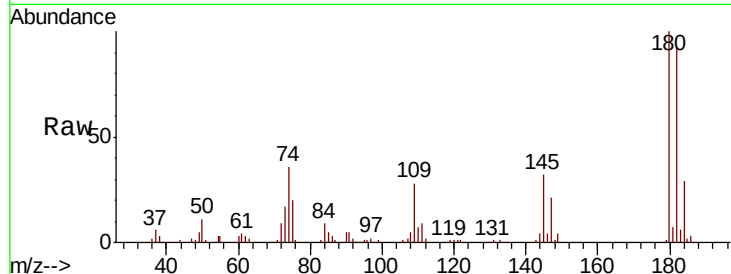




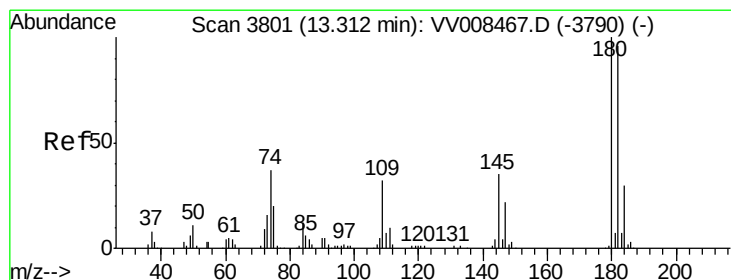
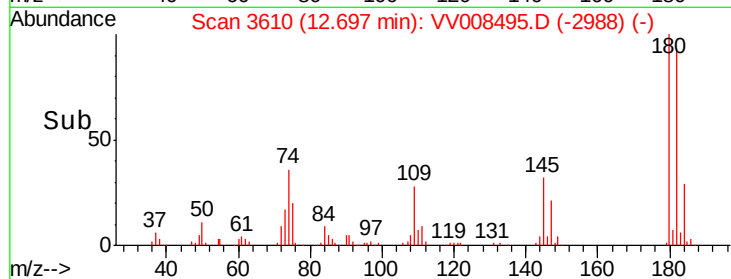
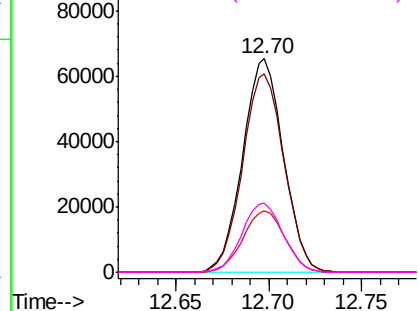
#67
 1,3,5-Trichlorobenzene
 Concen: 49.947 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VV008495.D
 Acq: 31 Oct 2018 15:08

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05055

Tgt Ion:180 Resp: 99720
 Ion Ratio Lower Upper
 180 100
 182 94.5 75.6 113.4
 184 29.5 23.6 35.4
 145 32.8 26.2 39.4

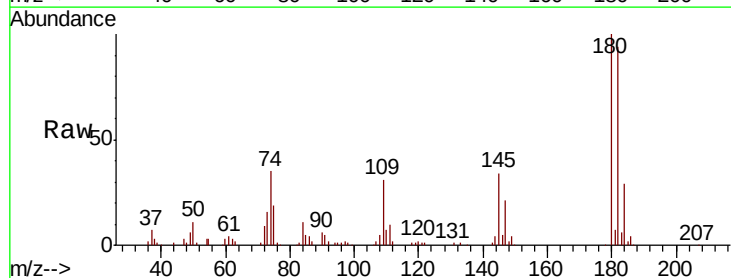


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

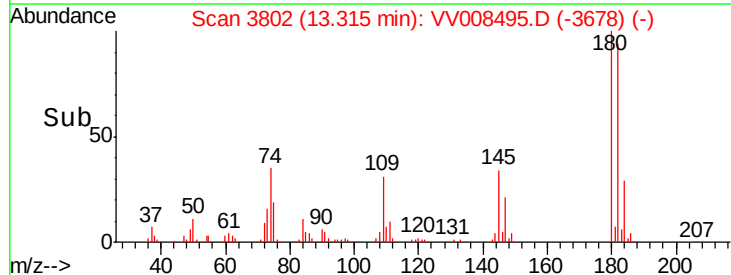
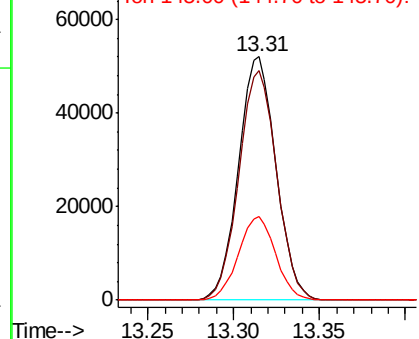


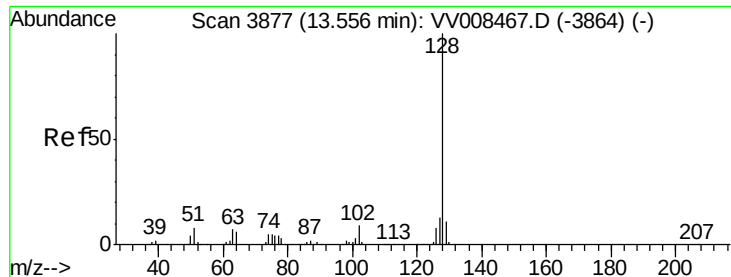
#68
 1,2,4-trichlorobenzene
 Concen: 49.375 ug/L
 RT: 13.31 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV008495.D
 Acq: 31 Oct 2018 15:08

Tgt Ion:180 Resp: 79161
 Ion Ratio Lower Upper
 180 100
 182 94.9 75.9 113.9
 145 34.0 27.2 40.8



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: 47.073 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. 0.00 min

Lab File: VV008495.D

Acq: 31 Oct 2018 15:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD05055

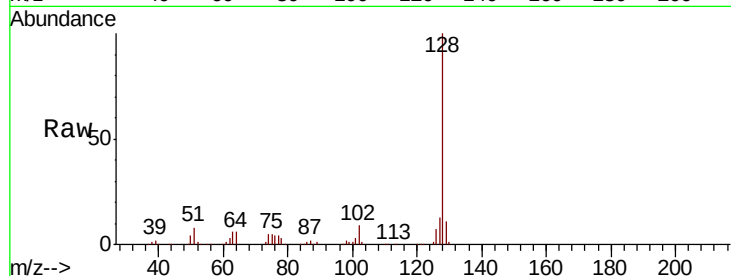
Tgt Ion:128 Resp: 242114

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

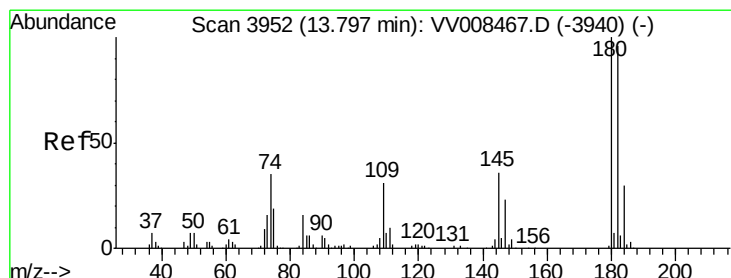
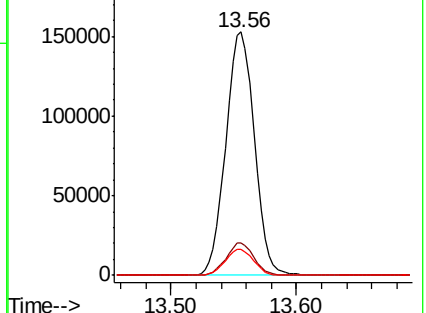
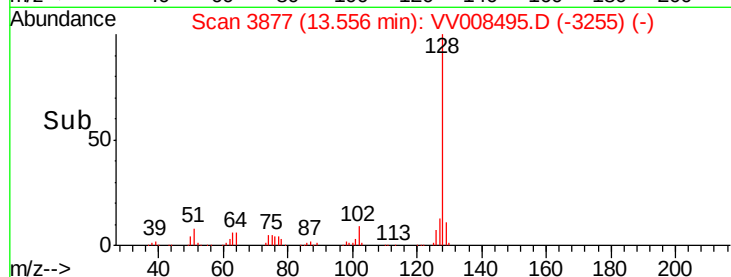
129 10.6 8.5 12.7



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: 49.591 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. 0.00 min

Lab File: VV008495.D

Acq: 31 Oct 2018 15:08

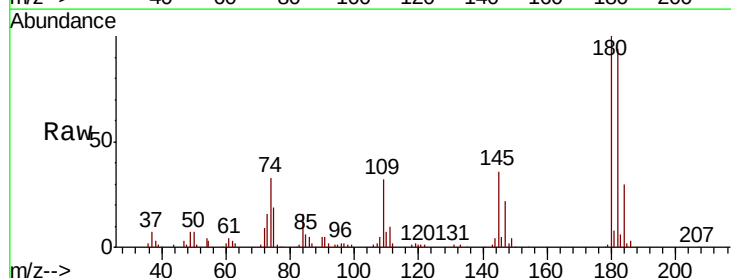
Tgt Ion:180 Resp: 79648

Ion Ratio Lower Upper

180 100

182 93.9 75.1 112.7

145 36.2 29.0 43.4



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

