

Data File : VV012065.D
Acq On : 29 Jul 2019 16:53
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD005001

Quant Time: Jul 30 08:50:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVTR072919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jul 30 08:46:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	131837	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	129483	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	71374	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	35933	4.82	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.40%
7) Chloroethane-d5	1.59	69	24992	4.78	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.60%
11) 1,1-Dichloroethene-d2	2.13	63	67245	4.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	99.40%
20) 2-Butanone-d5	3.96	46	89845	53.02	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.04%
24) Chloroform-d	4.40	84	83497	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.60%
26) 1,2-Dichloroethane-d4	5.08	65	45247	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.80%
32) Benzene-d6	5.10	84	171877	5.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.40%
36) 1,2-Dichloropropane-d6	6.12	67	46134	5.06	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.20%
41) Toluene-d8	7.36	98	169211	5.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.80%
43) trans-1,3-Dichloropropene-	7.66	79	21077	5.29	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	105.80%
46) 2-Hexanone-d5	8.13	63	72661	51.51	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.02%
56) 1,1,2,2-Tetrachloroethane-	10.26	84	34581	5.05	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.00%
66) 1,2-Dichlorobenzene-d4	11.67	152	65308	5.14	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	75812	5.046 ug/L	100
3) Chloromethane	1.25	50	40884	4.753 ug/L	100
5) Vinyl chloride	1.32	62	41499	4.716 ug/L	97
6) Bromomethane	1.54	94	25061	4.765 ug/L	98
8) Chloroethane	1.60	64	22427	4.690 ug/L	99
9) Trichlorofluoromethane	1.77	101	77266	5.133 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	31829	4.868 ug/L	99
12) 1,1-Dichloroethene	2.14	96	29869	4.932 ug/L	96
13) Acetone	2.23	43	46103	49.436 ug/L	98
14) Carbon disulfide	2.32	76	85285	5.043 ug/L	100
15) Methyl Acetate	2.47	43	9185	4.792 ug/L	99
16) Methylene chloride	2.54	84	29439	4.740 ug/L	93
17) Methyl tert-butyl Ether	2.81	73	97824	5.137 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	43933	5.034 ug/L	98
19) 1,1-Dichloroethane	3.23	63	79949	5.123 ug/L	98
21) 2-Butanone	4.05	43	92850	50.460 ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	48488	5.218 ug/L	94

Data File : VV012065.D
Acq On : 29 Jul 2019 16:53
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD005001

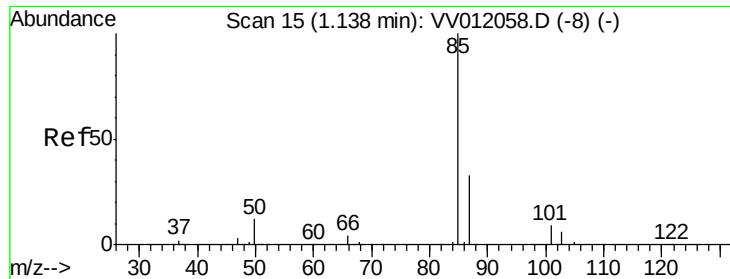
Quant Time: Jul 30 08:50:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVTR072919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jul 30 08:46:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	21049	5.164	ug/L	98
25) Chloroform	4.43	83	97576	4.986	ug/L	99
27) 1,2-Dichloroethane	5.18	62	56269	5.210	ug/L	98
29) 1,1,1-Trichloroethane	4.66	97	84661	5.289	ug/L	99
30) Cyclohexane	4.72	56	69701	5.091	ug/L	99
31) Carbon tetrachloride	4.87	117	76260	5.295	ug/L	98
33) Benzene	5.15	78	181668	5.165	ug/L	100
34) Trichloroethene	5.96	95	50365	5.021	ug/L	98
35) Methylcyclohexane	6.18	83	77004	4.900	ug/L	99
37) 1,2-Dichloropropane	6.22	63	42207	5.187	ug/L	99
38) Bromodichloromethane	6.56	83	60878	5.299	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	66957	5.247	ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	239491	52.175	ug/L	99
42) Toluene	7.43	91	206089	5.270	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	54108	5.245	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	30884	4.976	ug/L	97
47) Tetrachloroethene	8.02	164	45846	5.230	ug/L	98
48) 2-Hexanone	8.19	43	168239	51.861	ug/L	100
49) Dibromochloromethane	8.29	129	41107	5.403	ug/L	95
50) 1,2-Dibromoethane	8.40	107	28783	4.962	ug/L	99
51) Chlorobenzene	8.93	112	133506	5.106	ug/L	99
52) Ethylbenzene	9.05	91	231040	5.177	ug/L	98
53) m,p-xylene	9.18	106	90083	5.303	ug/L	100
54) o-xylene	9.59	106	84343	5.246	ug/L	89
55) Styrene	9.60	104	146847	5.421	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.29	83	33963	5.099	ug/L	99
59) Bromoform	9.77	173	22896	5.307	ug/L	98
60) Isopropylbenzene	9.97	105	233972	5.131	ug/L	99
61) 1,2,3-Trichloropropane	10.32	75	26797	5.151	ug/L	96
62) 1,3,5-Trimethylbenzene	10.58	105	201703	5.357	ug/L	98
63) 1,2,4-Trimethylbenzene	10.96	105	200298	5.354	ug/L	97
64) 1,3-Dichlorobenzene	11.22	146	116872	5.143	ug/L	100
65) 1,4-Dichlorobenzene	11.32	146	115194	4.975	ug/L	100
67) 1,2-Dichlorobenzene	11.69	146	105636	5.116	ug/L	98
68) 1,2-Dibromo-3-chloropropan	12.48	75	5542	5.167	ug/L	87
69) 1,3,5-Trichlorobenzene	12.69	180	95153	5.065	ug/L	98
70) 1,2,4-trichlorobenzene	13.31	180	74879	5.037	ug/L	99
71) Naphthalene	13.55	128	103426	5.014	ug/L	99
72) 1,2,3-Trichlorobenzene	13.79	180	68417	5.192	ug/L	97

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

Quant Time: Jul 30 08:50:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVTR072919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jul 30 08:46:06 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 5.046 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV012065.D

Acq: 29 Jul 2019 16:53

Instrument :

MSVOA_V

ClientSampleId :

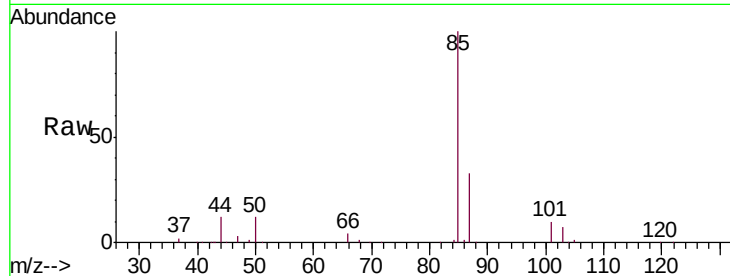
VSTD005001

Tgt Ion: 85 Resp: 75812

Ion Ratio Lower Upper

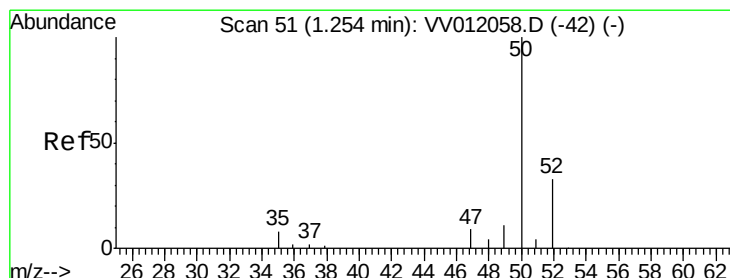
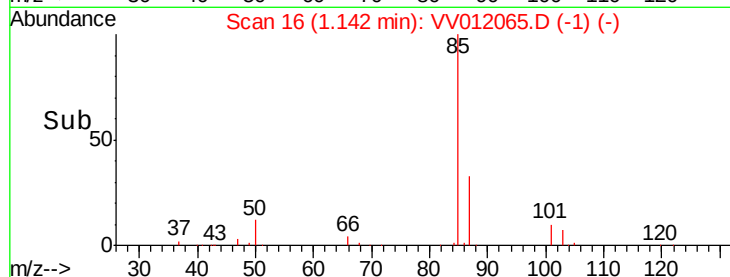
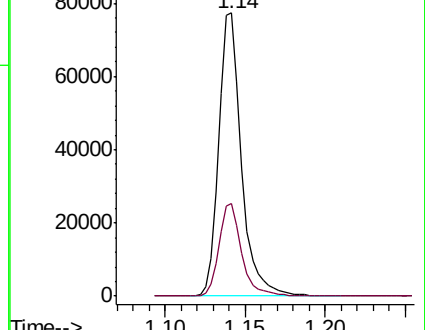
85 100

87 32.6 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV012058.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV012058.D (-8) (-)



#3

Chloromethane

Concen: 4.753 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV012065.D

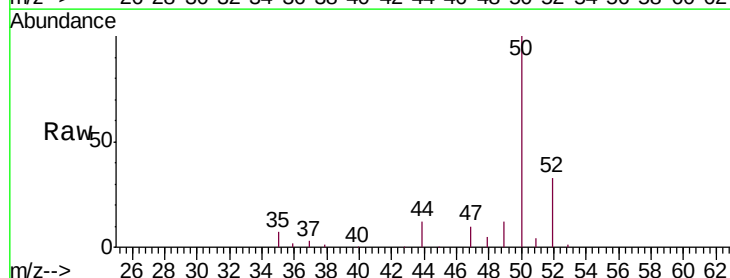
Acq: 29 Jul 2019 16:53

Tgt Ion: 50 Resp: 40884

Ion Ratio Lower Upper

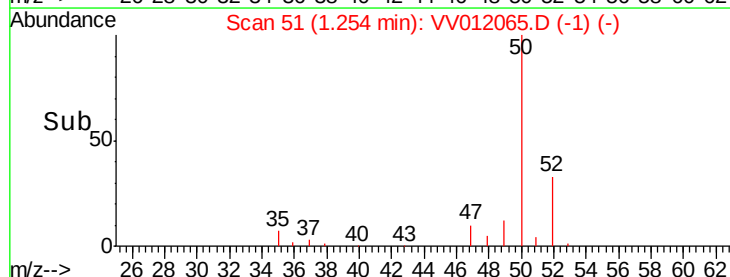
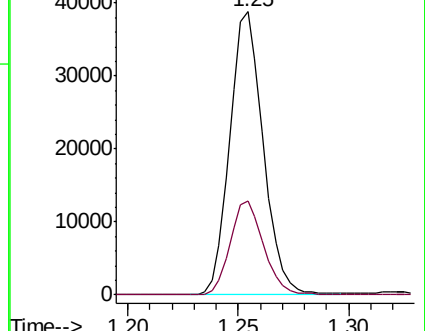
50 100

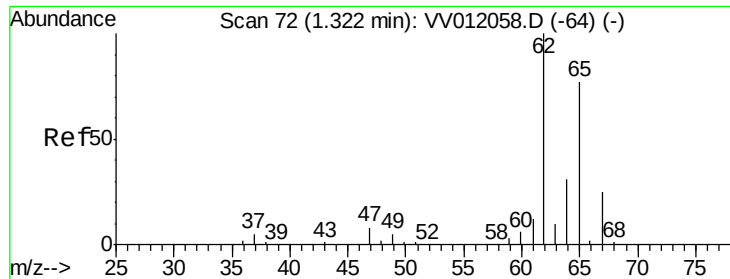
52 33.4 23.4 43.4



Abundance Ion 50.05 (49.75 to 50.75): VV012058.D (-42) (-)

Ion 52.05 (51.75 to 52.75): VV012058.D (-42) (-)





#5

Vinyl chloride

Concen: 4.716 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV012065.D

Acq: 29 Jul 2019 16:53

Instrument :

MSVOA_V

ClientSampleId :

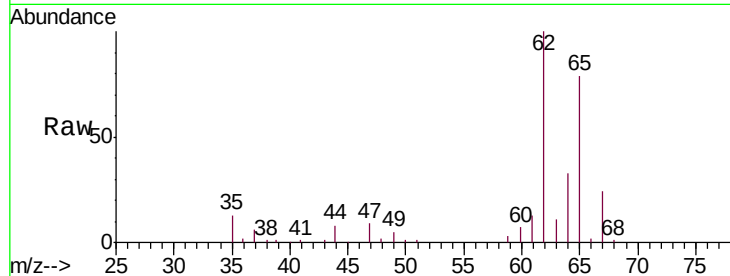
VSTD005001

Tgt Ion: 62 Resp: 41499

Ion Ratio Lower Upper

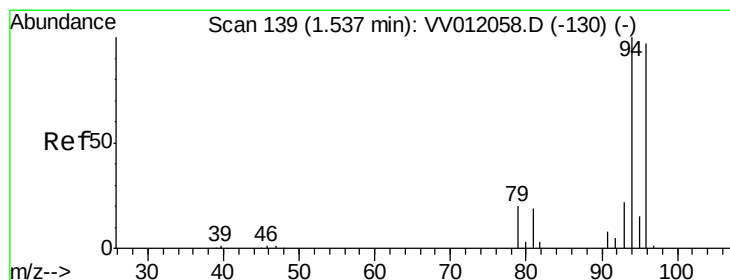
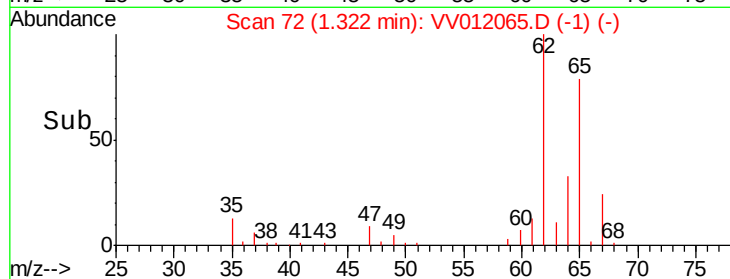
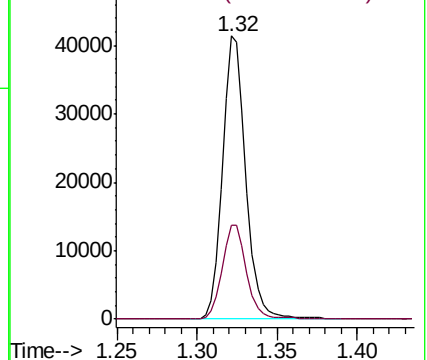
62 100

64 33.0 22.0 41.0



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 4.765 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV012065.D

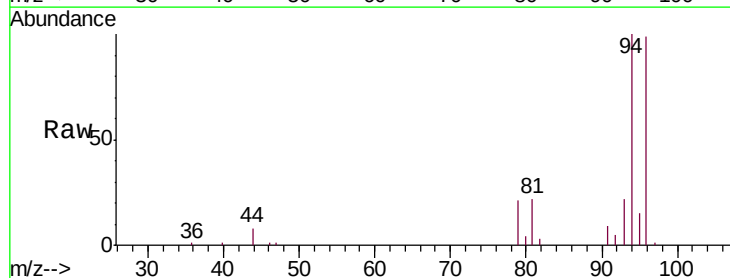
Acq: 29 Jul 2019 16:53

Tgt Ion: 94 Resp: 25061

Ion Ratio Lower Upper

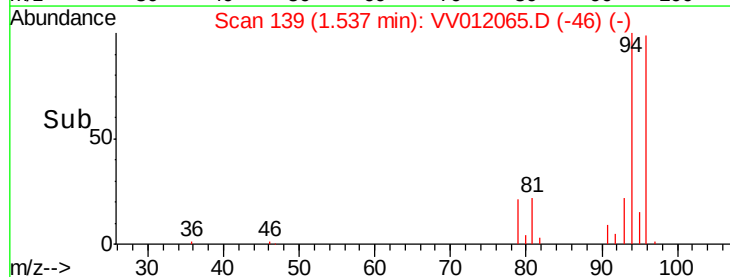
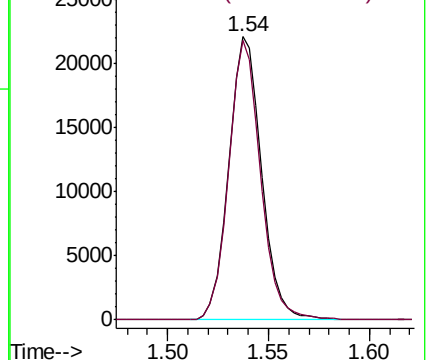
94 100

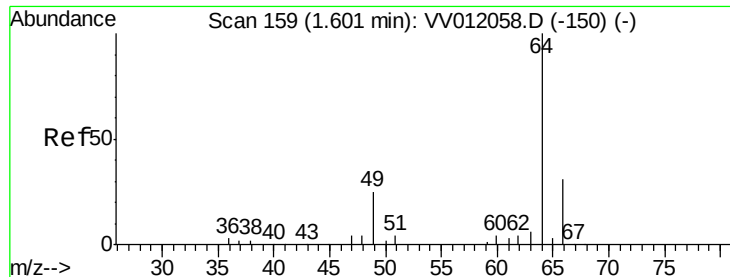
96 98.7 67.8 125.8



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 4.690 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV012065.D

Acq: 29 Jul 2019 16:53

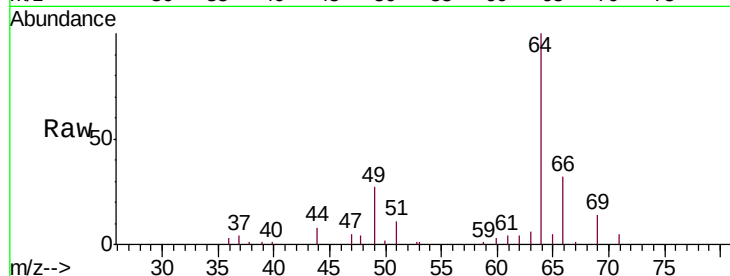
Instrument :
MSVOA_V
ClientSampleId :
VSTD005001

Tgt Ion: 64 Resp: 22427

Ion Ratio Lower Upper

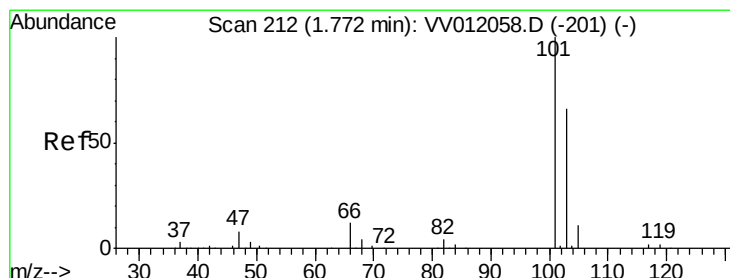
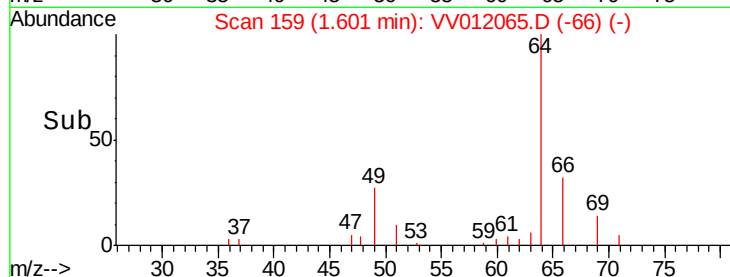
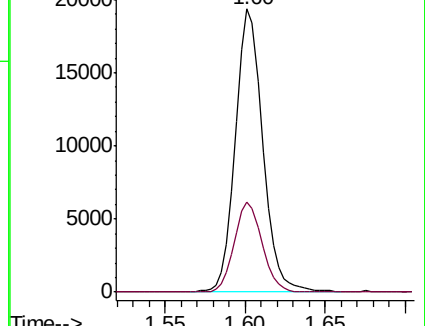
64 100

66 31.7 21.7 40.3



Abundance Ion 64.10 (63.80 to 64.80): VV012058.D (-150) (-)

Ion 66.05 (65.75 to 66.75): VV012065.D (-66) (-)



#9

Trichlorofluoromethane

Concen: 5.133 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.00 min

Lab File: VV012065.D

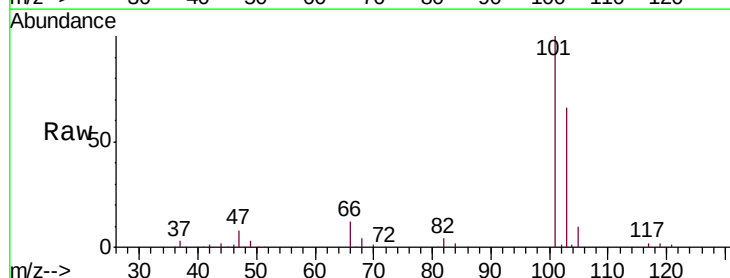
Acq: 29 Jul 2019 16:53

Tgt Ion: 101 Resp: 77266

Ion Ratio Lower Upper

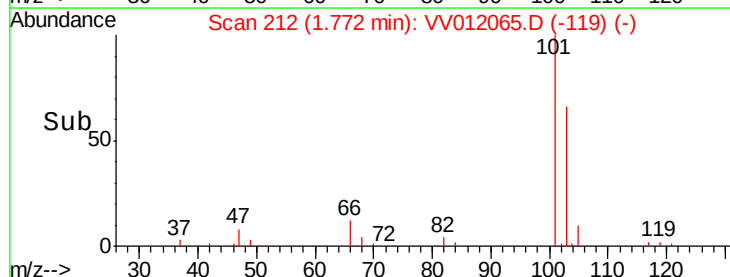
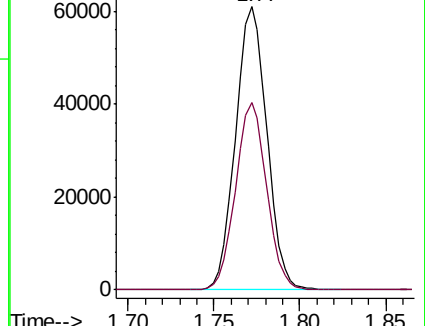
101 100

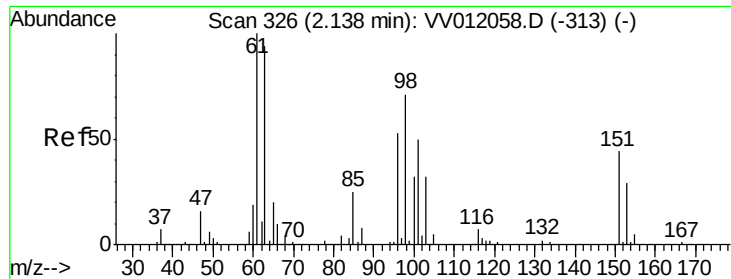
103 65.4 52.6 79.0



Abundance Ion 101.00 (100.70 to 101.70): VV012058.D (-201) (-)

Ion 103.00 (102.70 to 103.70): VV012065.D (-119) (-)





#10

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

Concen: 4.868 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012065.D

Acq: 29 Jul 2019 16:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD005001

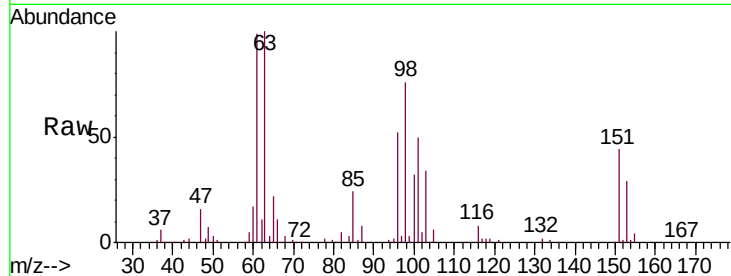
Tgt Ion:101 Resp: 31829

Ion Ratio Lower Upper

101 100

85 46.3 37.8 56.8

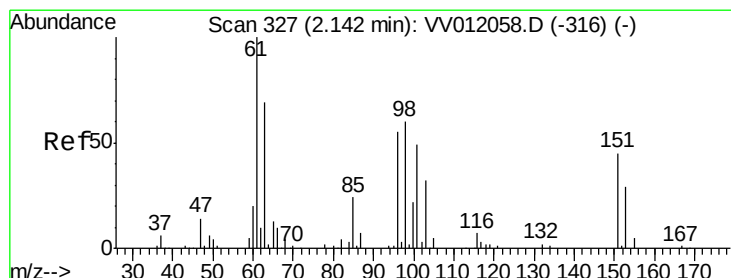
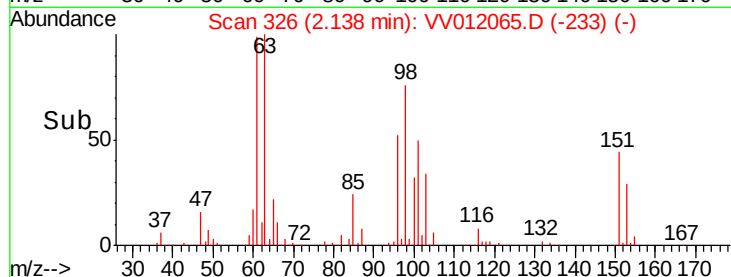
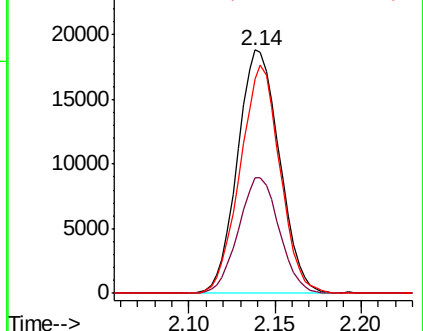
151 88.9 71.4 107.2



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: 4.932 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV012065.D

Acq: 29 Jul 2019 16:53

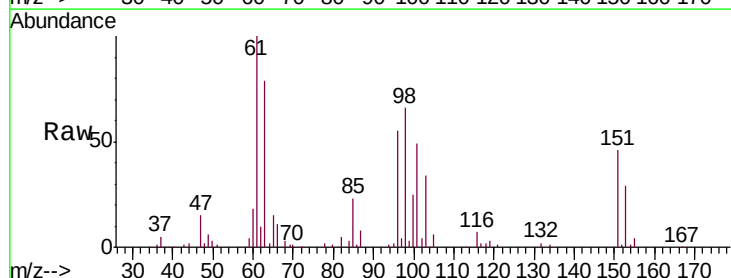
Tgt Ion: 96 Resp: 29869

Ion Ratio Lower Upper

96 100

61 182.5 127.8 237.4

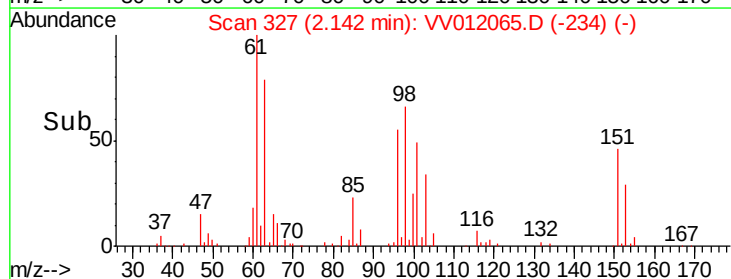
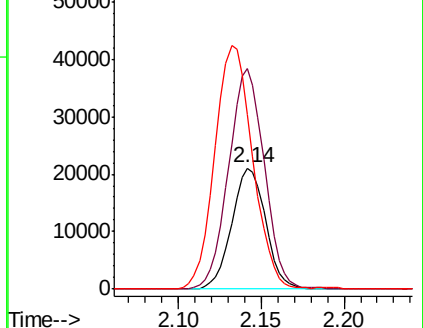
63 144.7 92.7 172.3

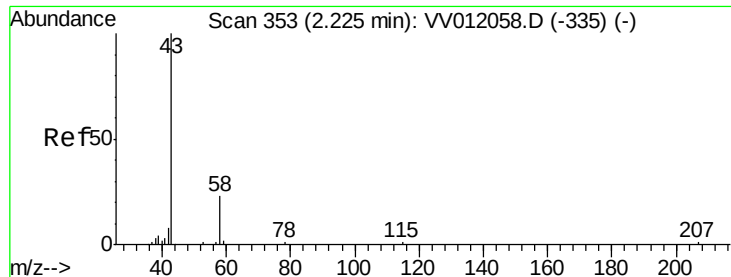


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 49.436 ug/L

RT: 2.23 min Scan# 356

Delta R.T. 0.01 min

Lab File: VV012065.D

Acq: 29 Jul 2019 16:53

Instrument :

MSVOA_V

ClientSampleId :

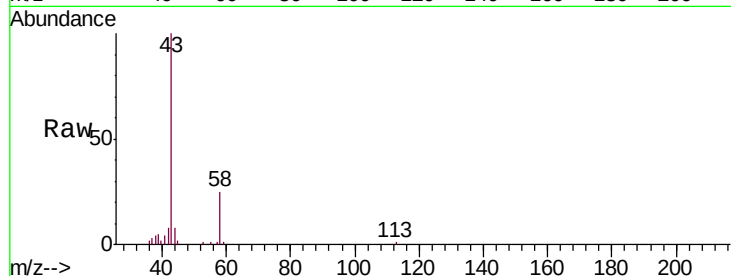
VSTD005001

Tgt Ion: 43 Resp: 46103

Ion Ratio Lower Upper

43 100

58 24.7 0.0 51.6



Abundance Ion 43.05 (42.75 to 43.75): VV012058.D (-335) (-)

Ion 58.05 (57.75 to 58.75): VV012058.D (-335) (-)

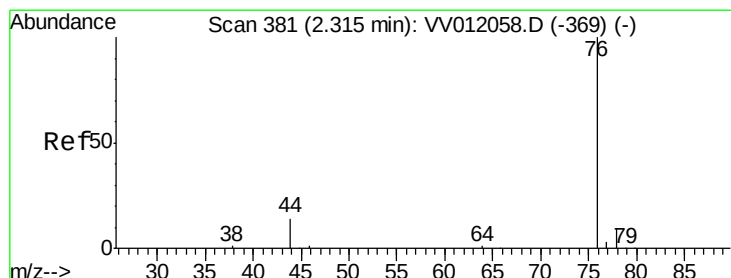
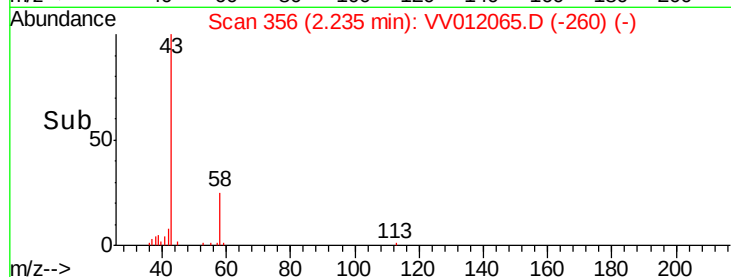
2.23

10000

5000

0

Time--> 2.10 2.20 2.30 2.40



#14

Carbon disulfide

Concen: 5.043 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV012065.D

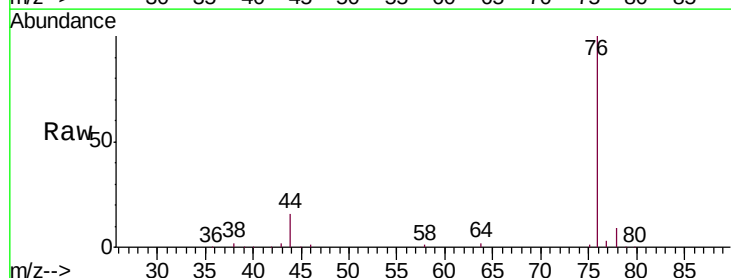
Acq: 29 Jul 2019 16:53

Tgt Ion: 76 Resp: 85285

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VV012058.D (-369) (-)

Ion 78.00 (77.70 to 78.70): VV012058.D (-369) (-)

2.32

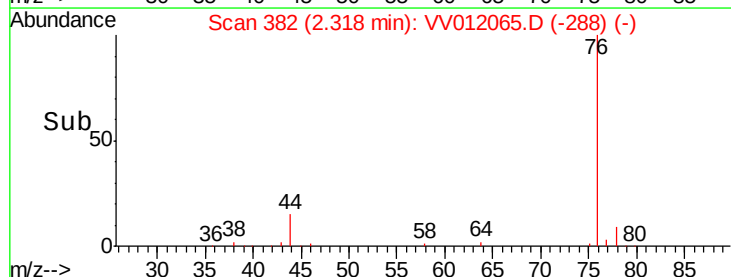
60000

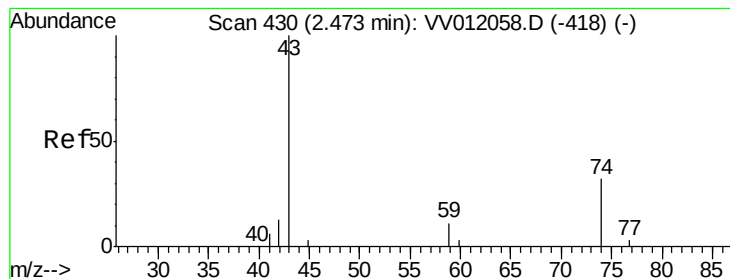
40000

20000

0

Time--> 2.30 2.40





#15

Methyl Acetate

Concen: 4.792 ug/L

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VV012065.D

Acq: 29 Jul 2019 16:53

Instrument :

MSVOA_V

ClientSampleId :

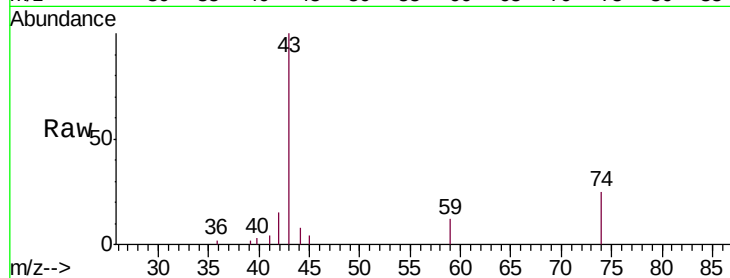
VSTD005001

Tgt Ion: 43 Resp: 9185

Ion Ratio Lower Upper

43 100

74 29.8 24.4 36.6



Abundance Ion 43.05 (42.75 to 43.75): VV012058.D (-418) (-)

Ion 74.05 (73.75 to 74.75): VV012058.D (-418) (-)

2.47

5000

4000

3000

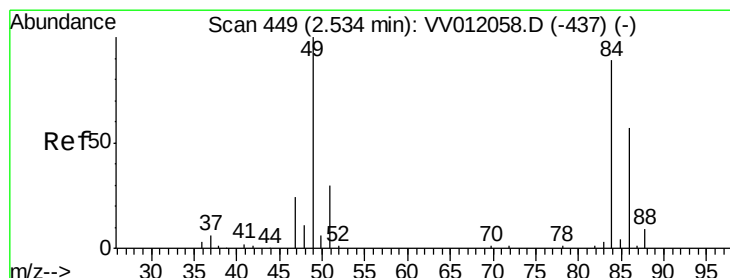
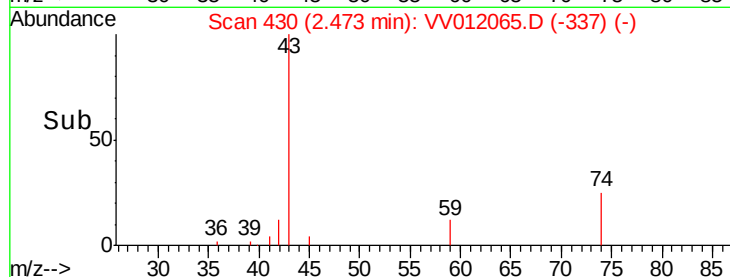
2000

1000

0

Time-->

2.40 2.45 2.50 2.55



#16

Methylene chloride

Concen: 4.740 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

Lab File: VV012065.D

Acq: 29 Jul 2019 16:53

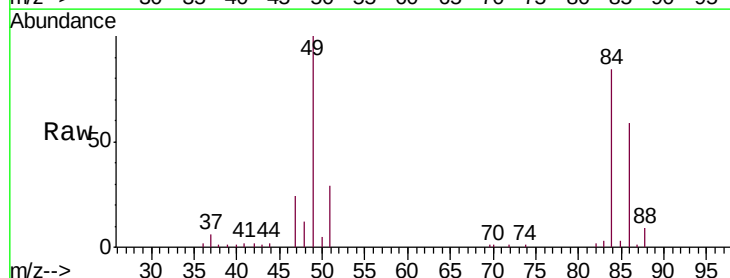
Tgt Ion: 84 Resp: 29439

Ion Ratio Lower Upper

84 100

86 70.4 44.9 83.3

49 118.7 78.6 146.0



Abundance Ion 84.05 (83.75 to 84.75): VV012058.D (-437) (-)

Ion 86.00 (85.70 to 86.70): VV012058.D (-437) (-)

Ion 49.10 (48.80 to 49.80): VV012058.D (-437) (-)

25000

20000

15000

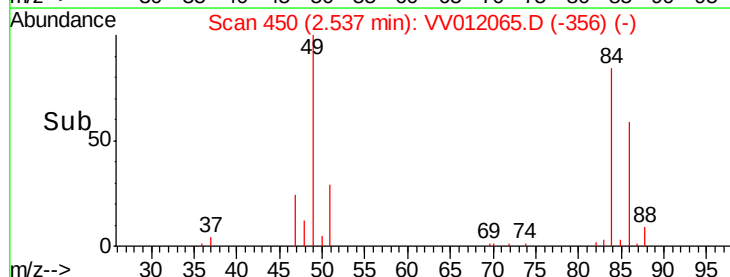
10000

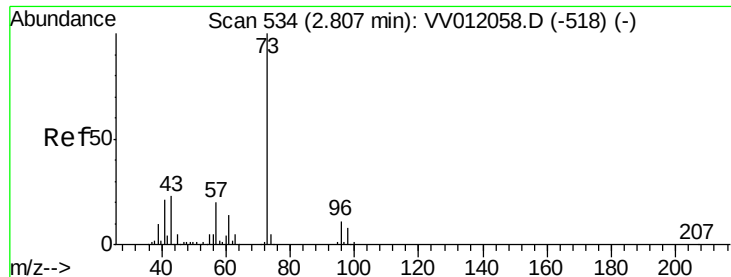
5000

0

Time-->

2.50 2.55 2.60

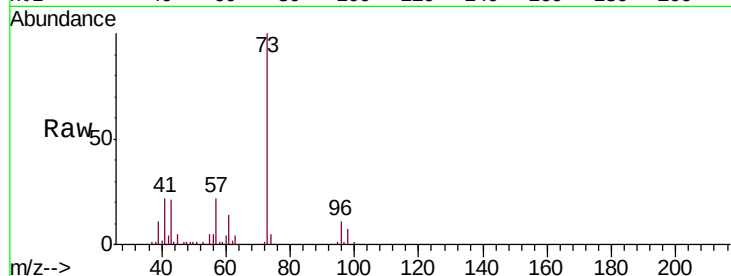




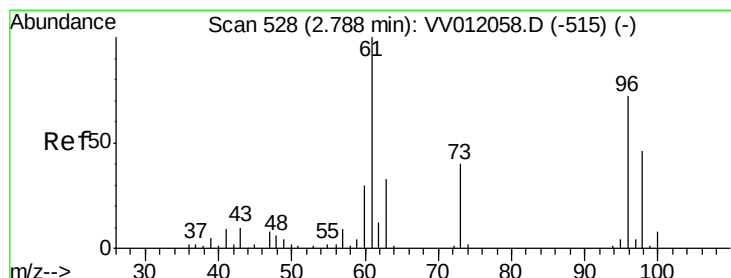
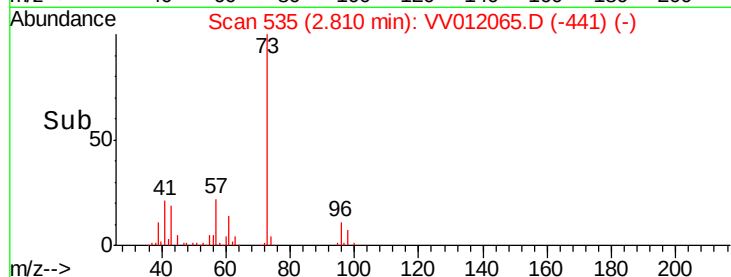
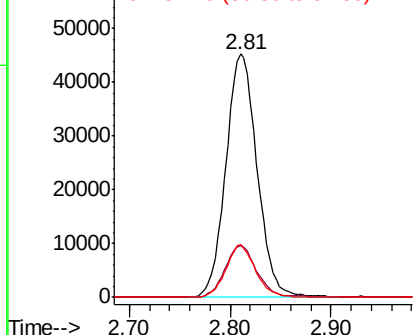
#17
Methyl tert-butyl Ether
Concen: 5.137 ug/L
RT: 2.81 min Scan# 535
Delta R.T. 0.00 min
Lab File: VV012065.D
Acq: 29 Jul 2019 16:53

Instrument :
MSVOA_V
ClientSampleId :
VSTD005001

Tgt Ion: 73 Resp: 97824
Ion Ratio Lower Upper
73 100
43 21.7 17.6 26.4
57 20.4 17.0 25.6

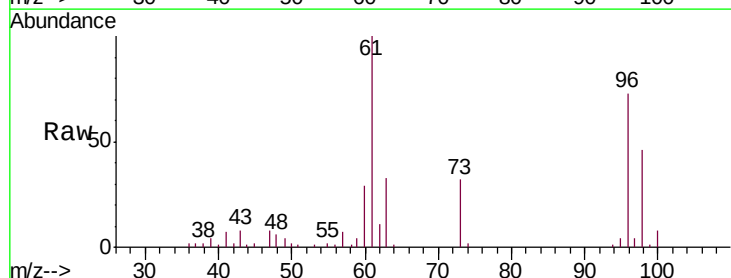


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

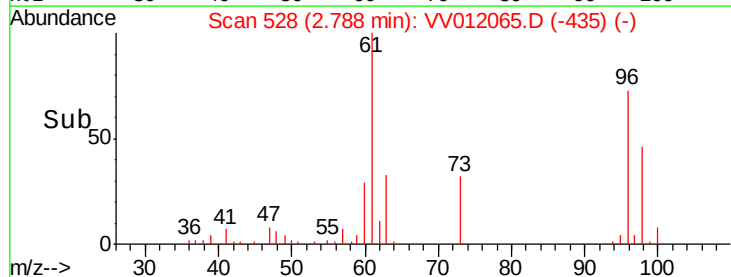
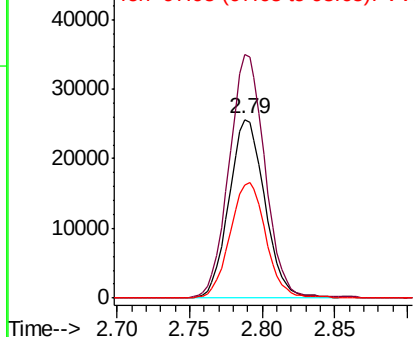


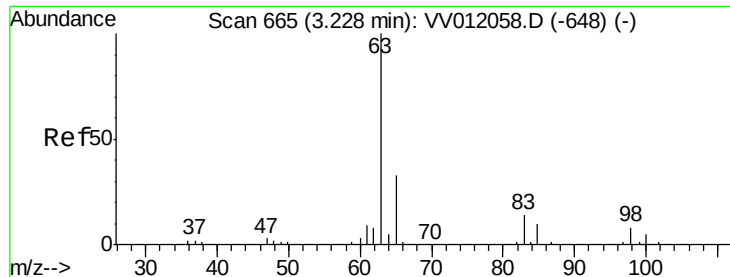
#18
trans-1,2-Dichloroethene
Concen: 5.034 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV012065.D
Acq: 29 Jul 2019 16:53

Tgt Ion: 96 Resp: 43933
Ion Ratio Lower Upper
96 100
61 136.4 97.2 180.6
98 63.3 45.0 83.6



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0

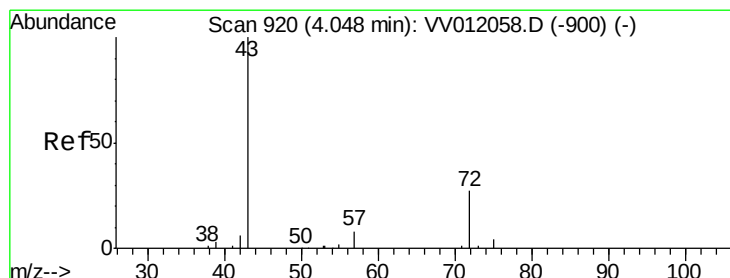
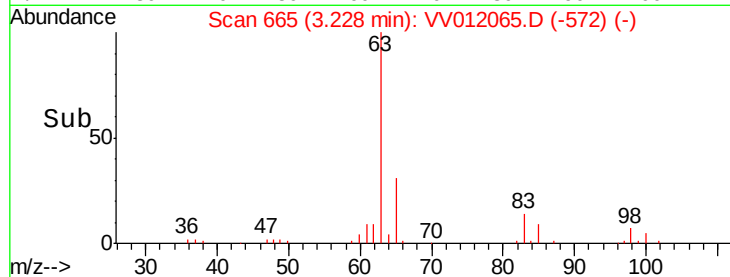
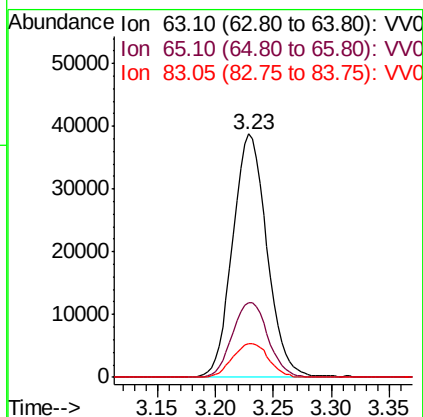
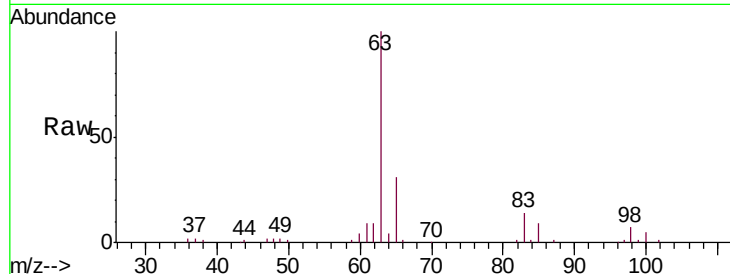




#19
 1,1-Dichloroethane
 Concen: 5.123 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV012065.D
 Acq: 29 Jul 2019 16:53

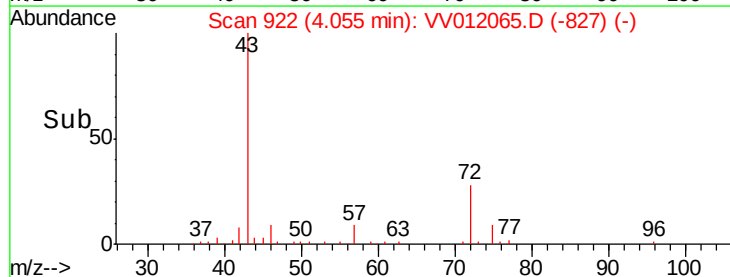
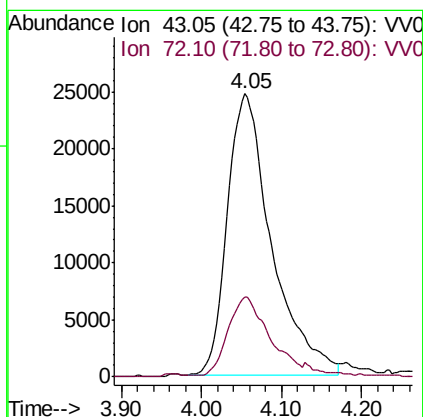
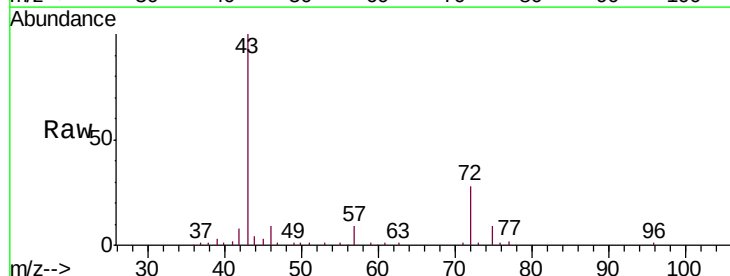
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005001

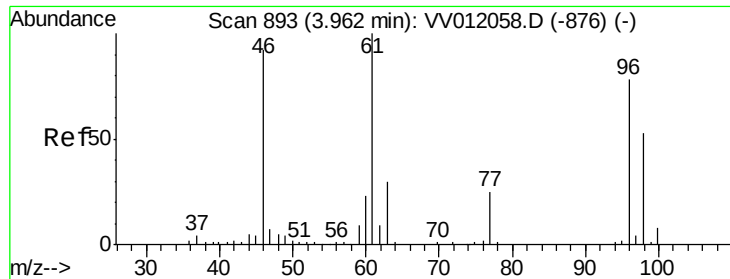
Tgt Ion: 63 Resp: 79949
 Ion Ratio Lower Upper
 63 100
 65 30.9 23.0 42.6
 83 13.9 9.7 17.9



#21
 2-Butanone
 Concen: 50.460 ug/L
 RT: 4.05 min Scan# 922
 Delta R.T. 0.01 min
 Lab File: VV012065.D
 Acq: 29 Jul 2019 16:53

Tgt Ion: 43 Resp: 92850
 Ion Ratio Lower Upper
 43 100
 72 26.1 13.4 40.2



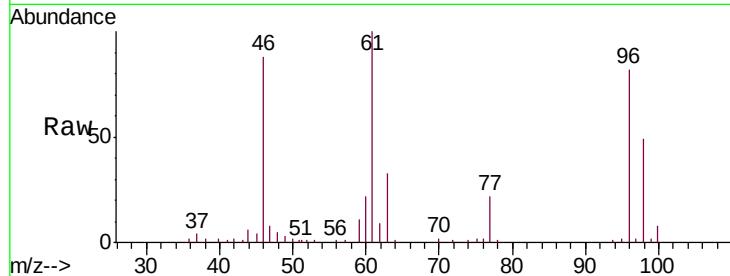


#22

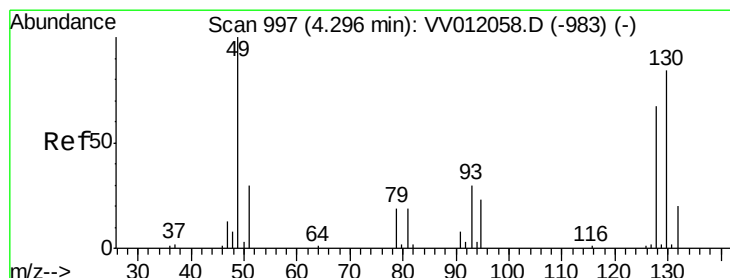
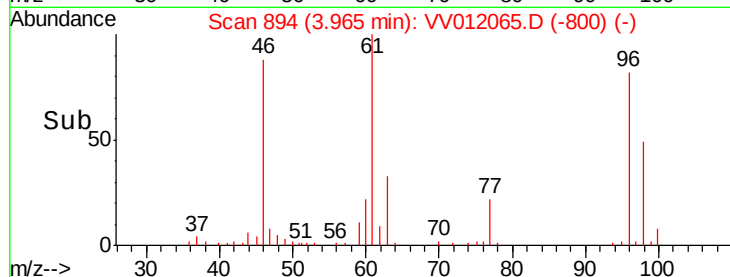
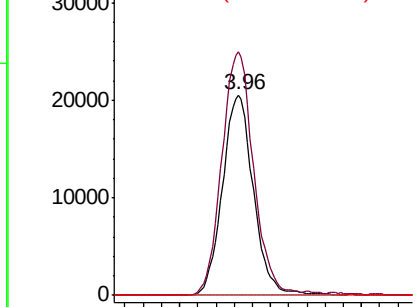
cis-1,2-Dichloroethene
 Concen: 5.218 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. 0.00 min
 Lab File: VV012065.D
 Acq: 29 Jul 2019 16:53

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005001

Tgt Ion: 96 Resp: 48488
 Ion Ratio Lower Upper
 96 100
 61 121.5 90.0 167.2
 68 0.0 0.0 0.0



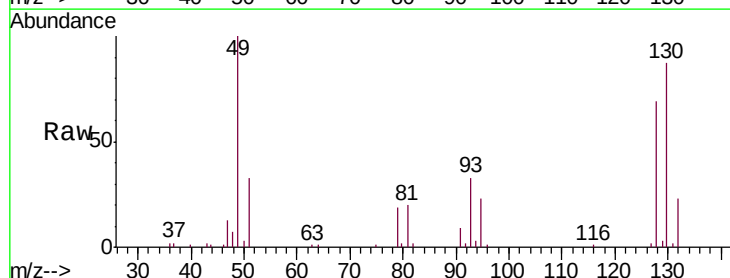
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



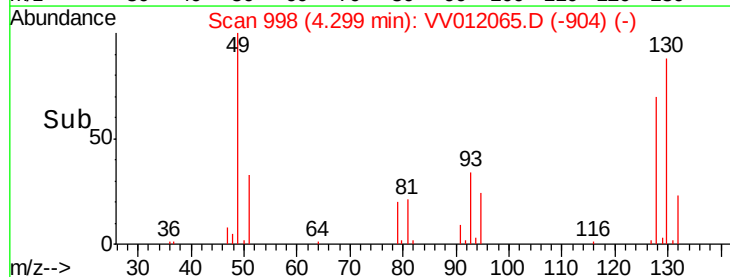
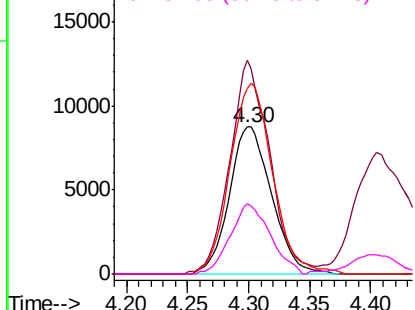
#23

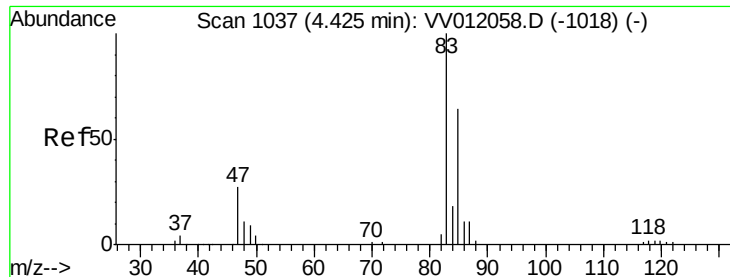
Bromochloromethane
 Concen: 5.164 ug/L
 RT: 4.30 min Scan# 998
 Delta R.T. 0.00 min
 Lab File: VV012065.D
 Acq: 29 Jul 2019 16:53

Tgt Ion: 128 Resp: 21049
 Ion Ratio Lower Upper
 128 100
 49 145.6 105.1 195.1
 130 126.8 88.9 165.1
 51 47.6 36.2 54.2



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VV0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VV0

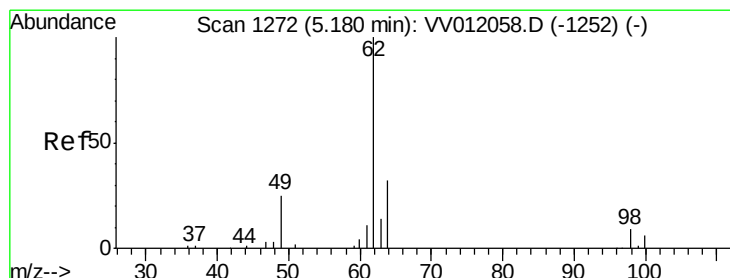
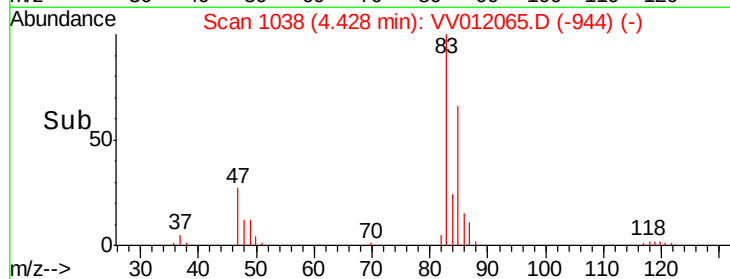
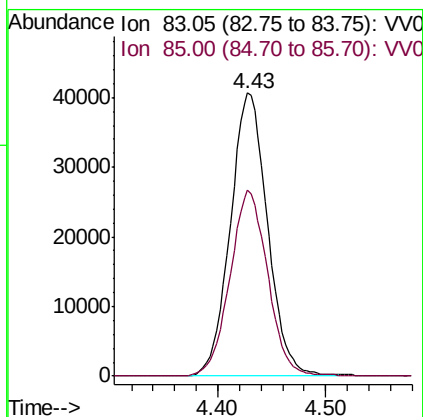
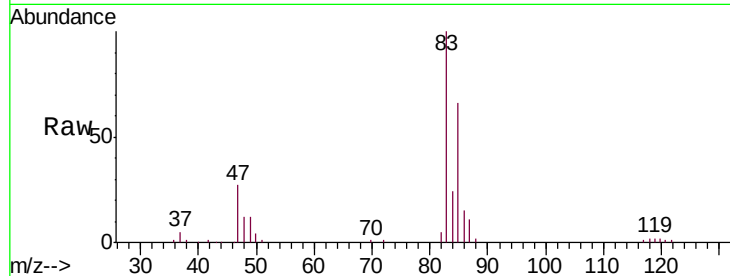




#25
Chloroform
Concen: 4.986 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV012065.D
Acq: 29 Jul 2019 16:53

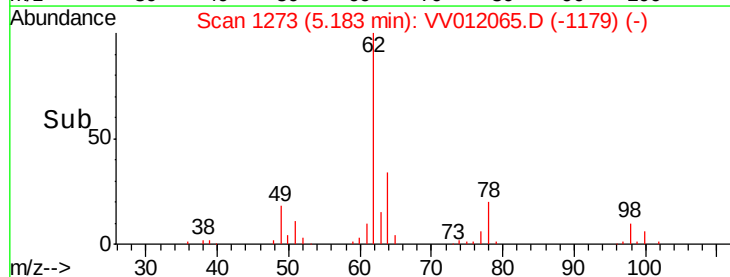
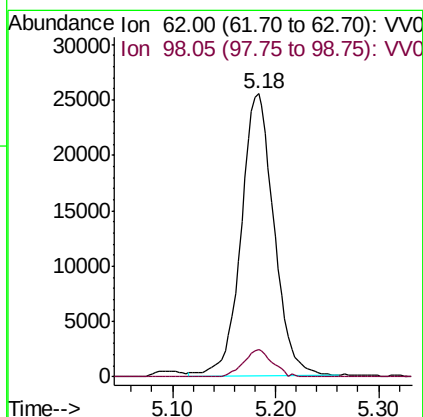
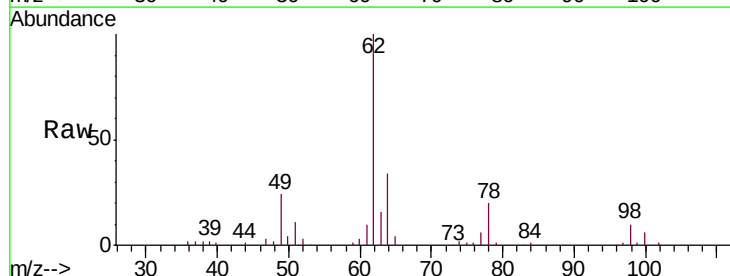
Instrument :
MSVOA_V
ClientSampleId :
VSTD005001

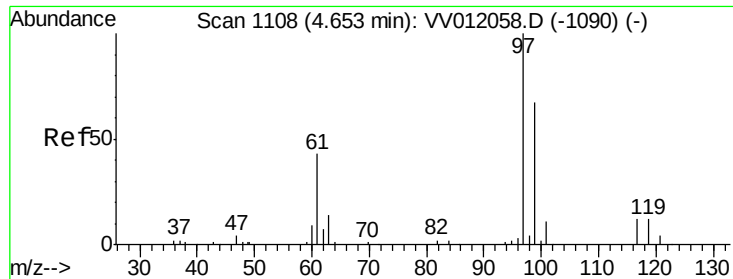
Tgt Ion: 83 Resp: 97576
Ion Ratio Lower Upper
83 100
85 65.6 45.2 84.0



#27
1,2-Dichloroethane
Concen: 5.210 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VV012065.D
Acq: 29 Jul 2019 16:53

Tgt Ion: 62 Resp: 56269
Ion Ratio Lower Upper
62 100
98 9.5 7.0 10.6

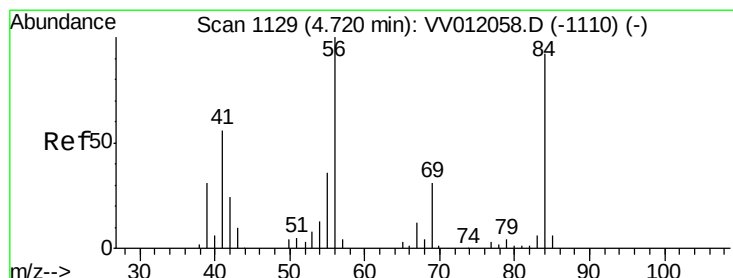
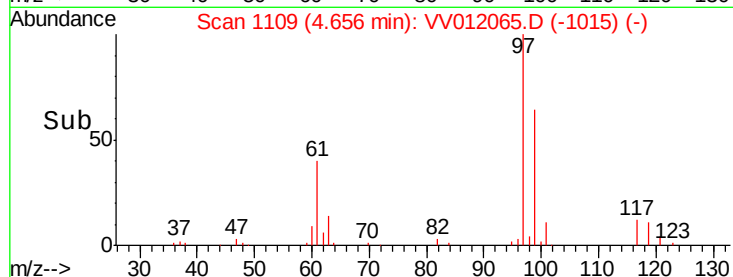
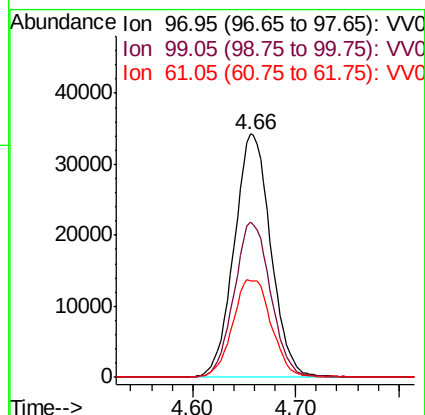
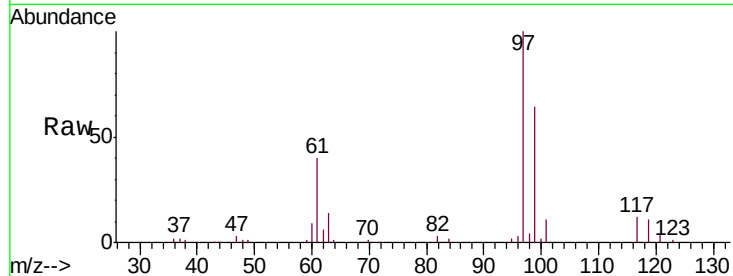




#29
 1,1,1-Trichloroethane
 Concen: 5.289 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. 0.00 min
 Lab File: VV012065.D
 Acq: 29 Jul 2019 16:53

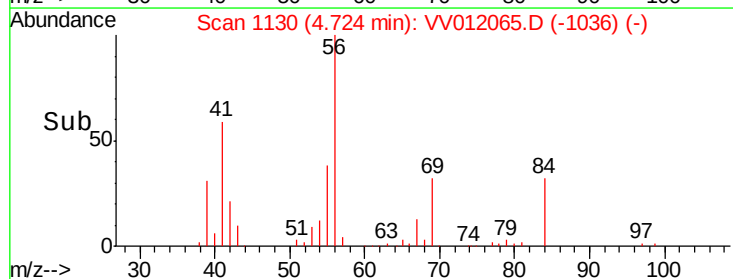
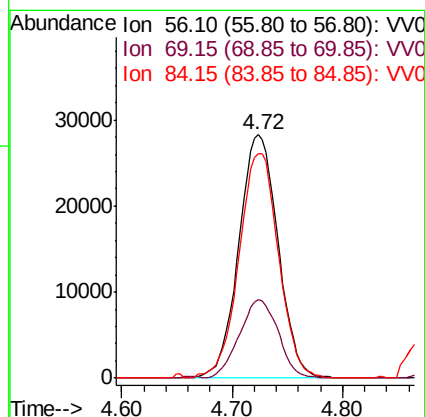
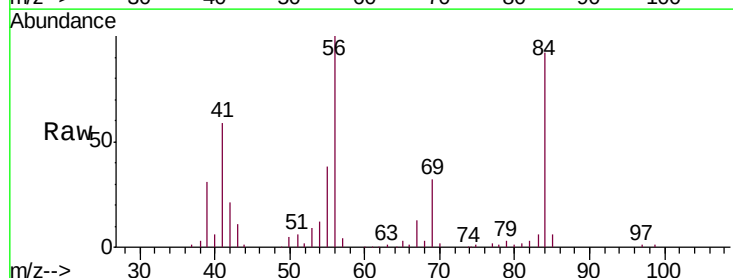
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005001

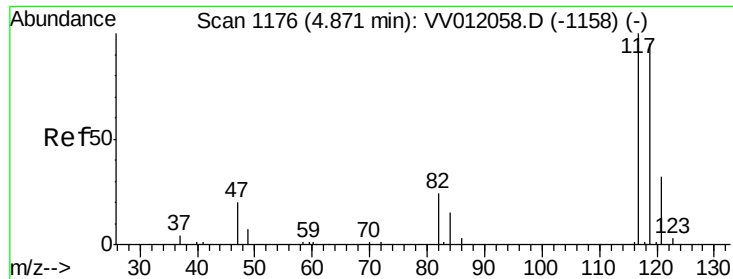
Tgt Ion: 97 Resp: 84661
 Ion Ratio Lower Upper
 97 100
 99 63.7 51.8 77.8
 61 42.2 34.5 51.7



#30
 Cyclohexane
 Concen: 5.091 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. 0.00 min
 Lab File: VV012065.D
 Acq: 29 Jul 2019 16:53

Tgt Ion: 56 Resp: 69701
 Ion Ratio Lower Upper
 56 100
 69 31.8 24.8 37.2
 84 93.1 75.4 113.2





#31

Carbon tetrachloride

Concen: 5.295 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV012065.D

Acq: 29 Jul 2019 16:53

Instrument :

MSVOA_V

ClientSampleId :

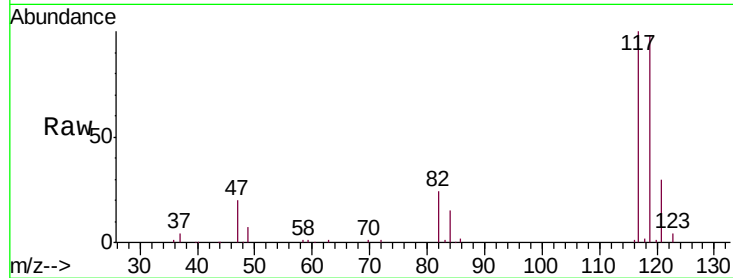
VSTD005001

Tgt Ion:117 Resp: 76260

Ion Ratio Lower Upper

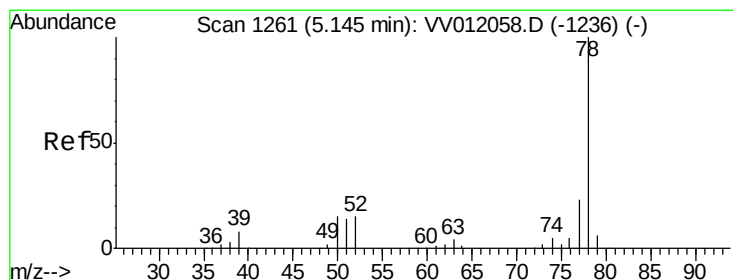
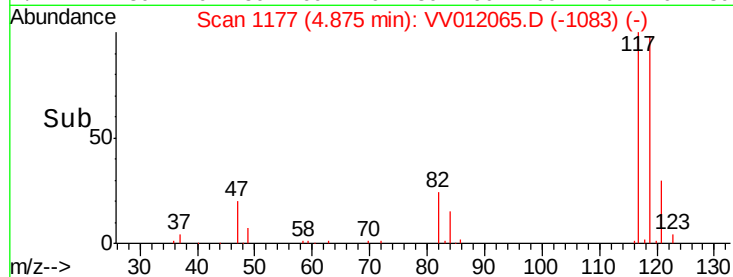
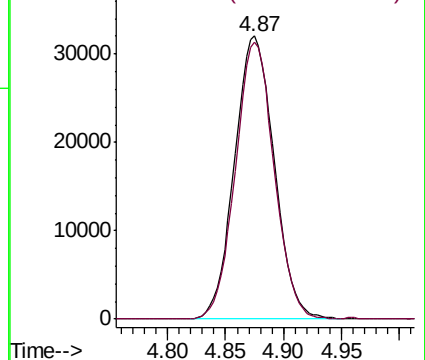
117 100

119 95.5 77.7 116.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.165 ug/L

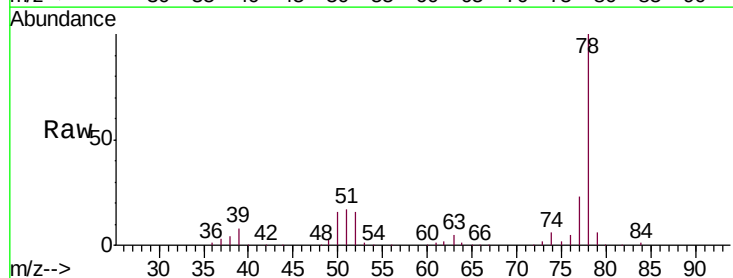
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

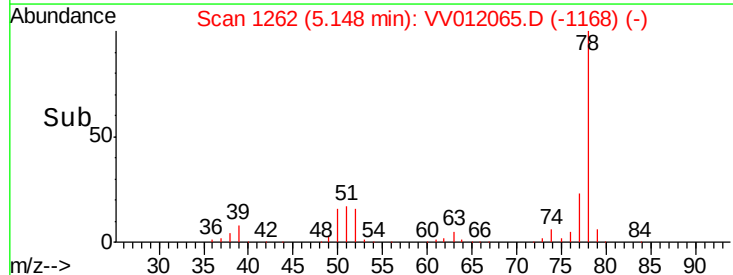
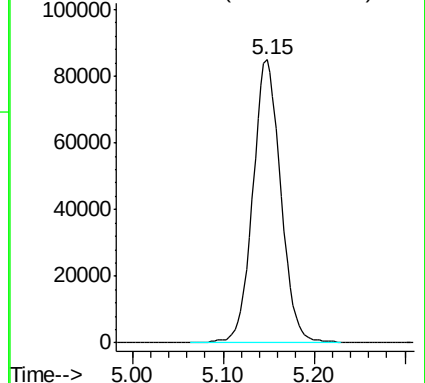
Lab File: VV012065.D

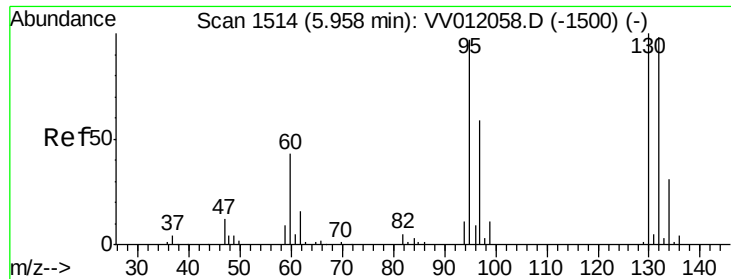
Acq: 29 Jul 2019 16:53

Tgt Ion: 78 Resp: 181668



Abundance Ion 78.10 (77.80 to 78.80): VV0

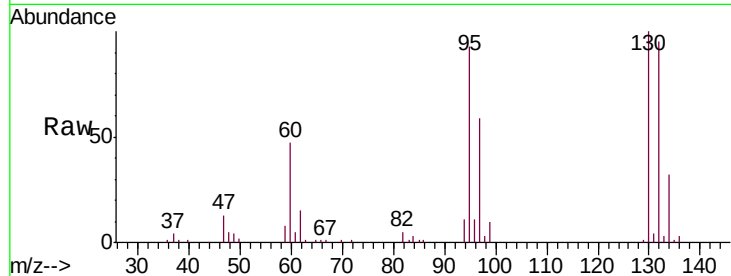




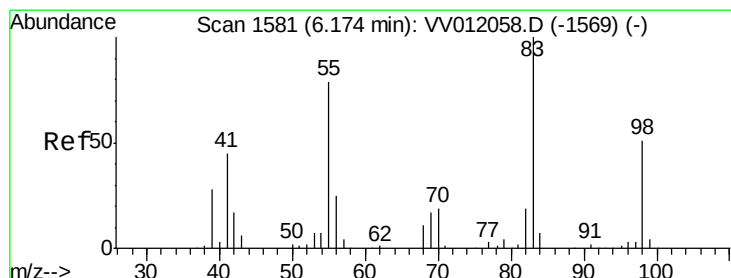
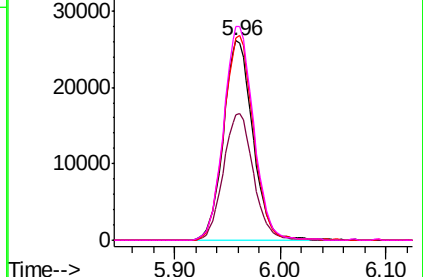
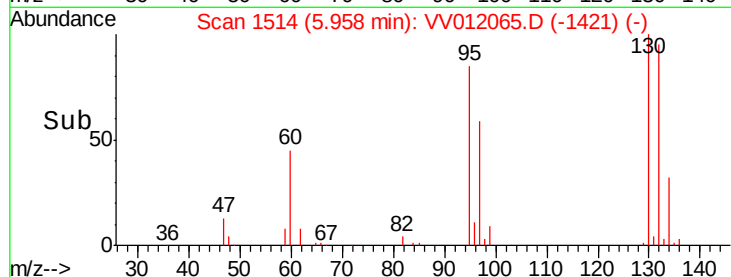
#34
 Trichloroethene
 Concen: 5.021 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV012065.D
 Acq: 29 Jul 2019 16:53

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005001

Tgt Ion: 95 Resp: 50365
 Ion Ratio Lower Upper
 95 100
 97 62.8 42.8 79.6
 132 101.4 70.8 131.6
 130 107.2 72.3 134.3

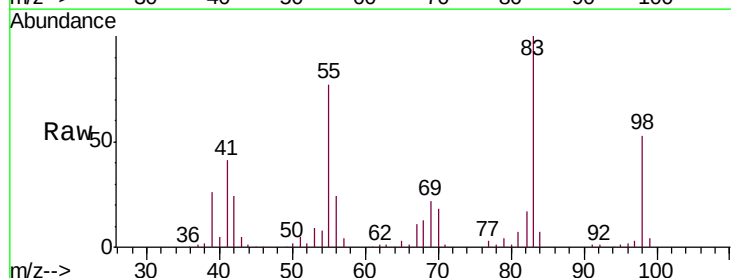


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

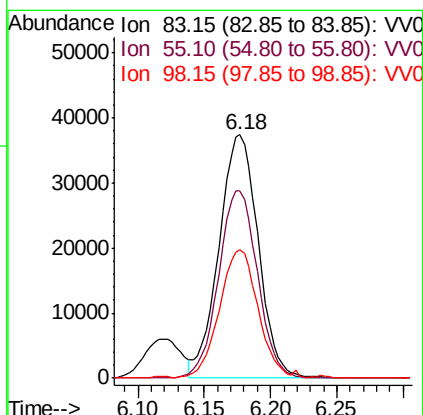
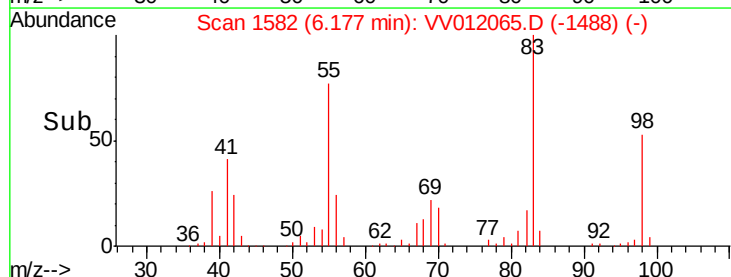


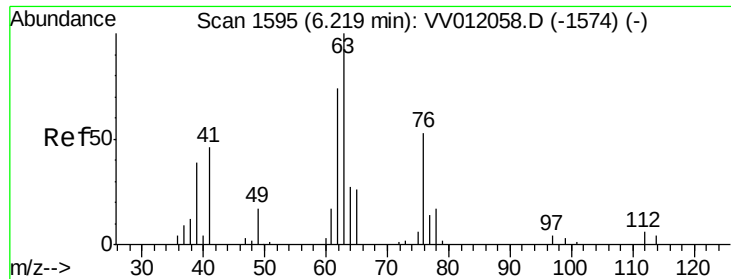
#35
 Methylcyclohexane
 Concen: 4.900 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. 0.00 min
 Lab File: VV012065.D
 Acq: 29 Jul 2019 16:53

Tgt Ion: 83 Resp: 77004
 Ion Ratio Lower Upper
 83 100
 55 76.3 60.1 90.1
 98 50.5 40.2 60.4



Abundance Ion 83.15 (82.85 to 83.85): VV0
 Ion 55.10 (54.80 to 55.80): VV0
 Ion 98.15 (97.85 to 98.85): VV0

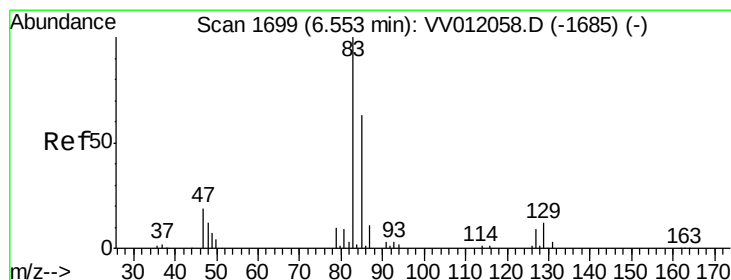
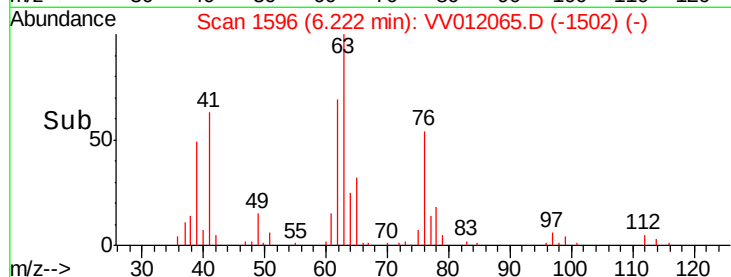
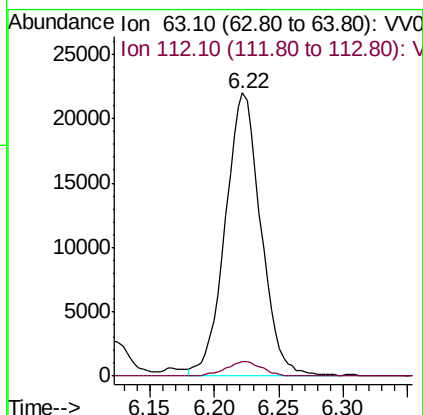
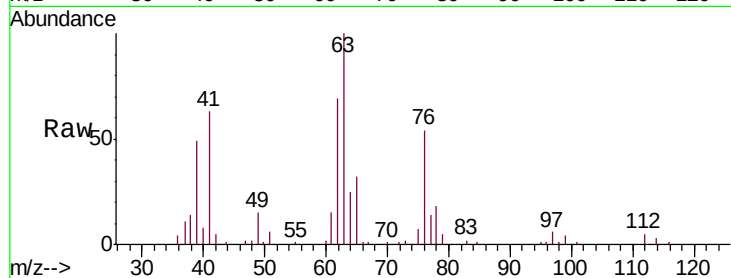




#37
 1,2-Dichloropropane
 Concen: 5.187 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. 0.00 min
 Lab File: VV012065.D
 Acq: 29 Jul 2019 16:53

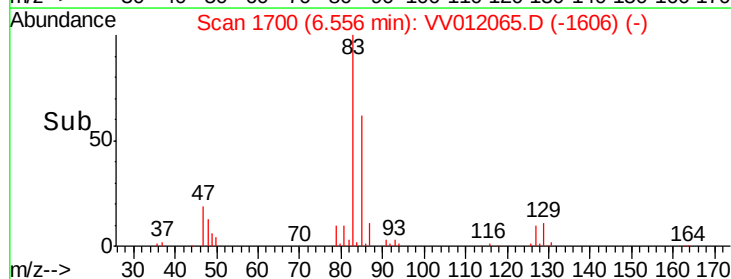
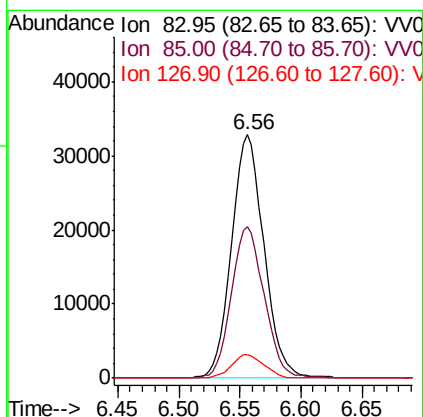
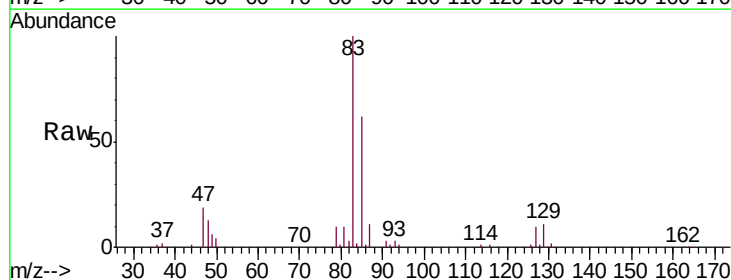
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005001

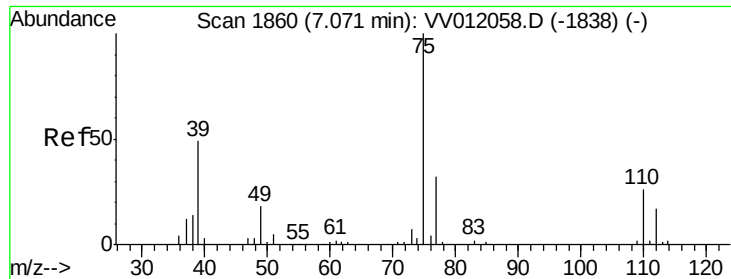
Tgt Ion: 63 Resp: 42207
 Ion Ratio Lower Upper
 63 100
 112 5.2 3.8 5.6



#38
 Bromodichloromethane
 Concen: 5.299 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VV012065.D
 Acq: 29 Jul 2019 16:53

Tgt Ion: 83 Resp: 60878
 Ion Ratio Lower Upper
 83 100
 85 62.2 43.9 81.5
 127 9.5 6.9 10.3

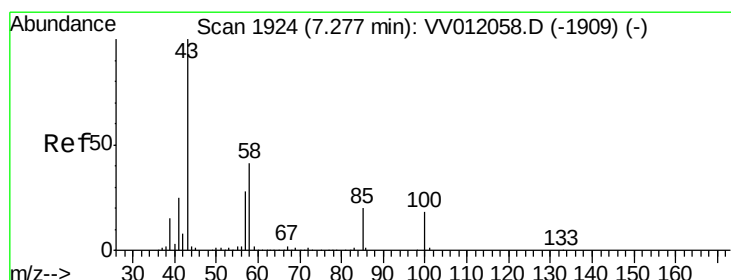
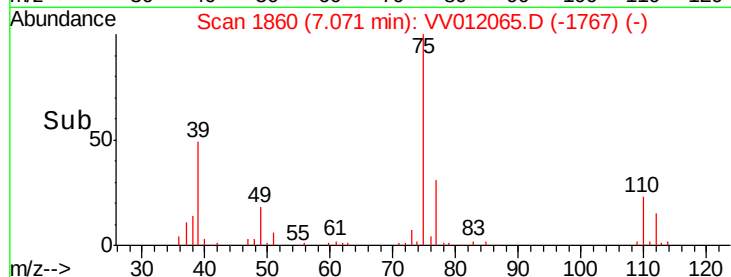
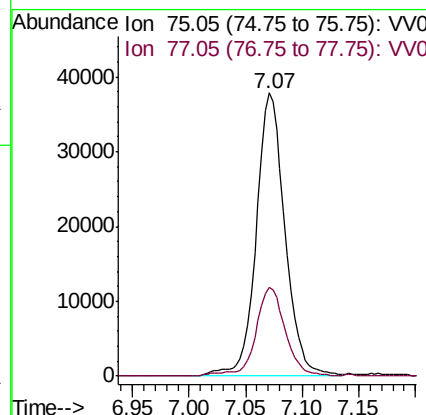
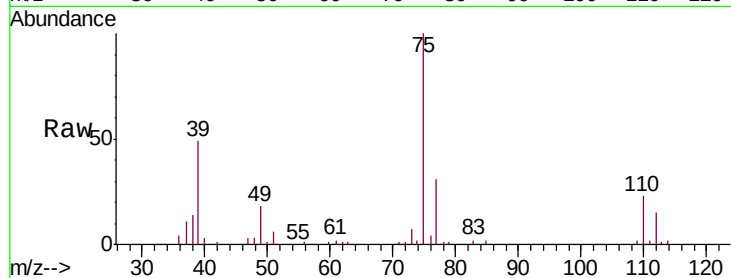




#39
 cis-1,3-Dichloropropene
 Concen: 5.247 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV012065.D
 Acq: 29 Jul 2019 16:53

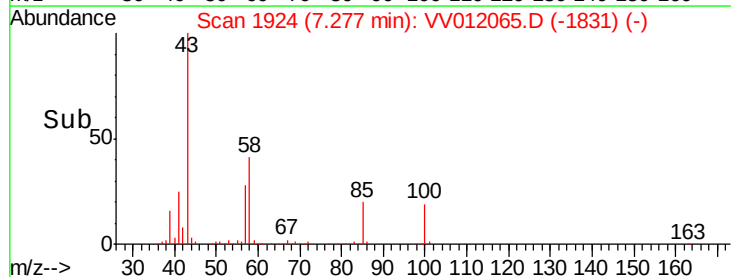
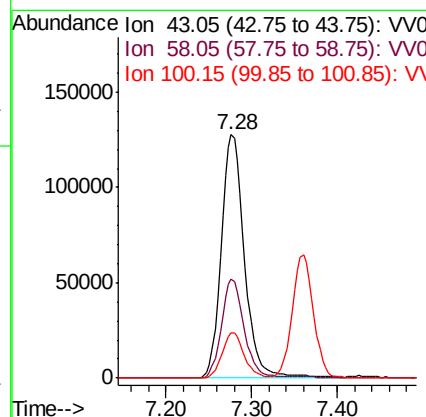
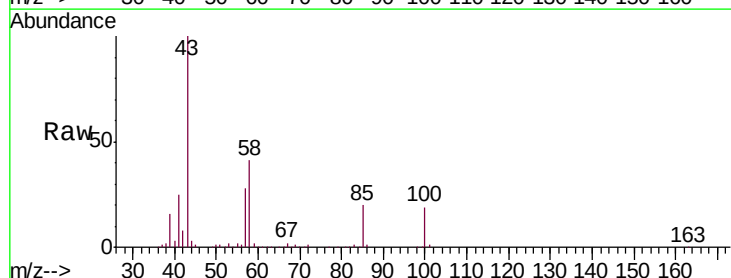
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005001

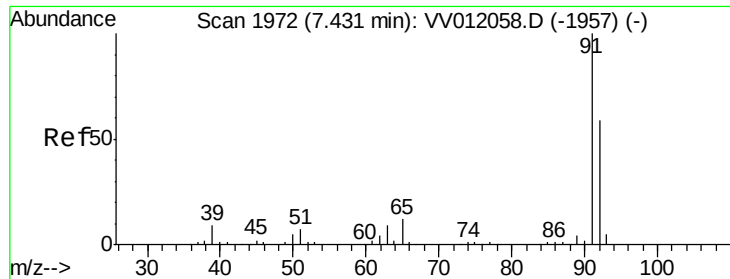
Tgt Ion: 75 Resp: 66957
 Ion Ratio Lower Upper
 75 100
 77 31.3 22.4 41.6



#40
 4-Methyl-2-pentanone
 Concen: 52.175 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV012065.D
 Acq: 29 Jul 2019 16:53

Tgt Ion: 43 Resp: 239491
 Ion Ratio Lower Upper
 43 100
 58 39.5 31.9 47.9
 100 17.6 14.0 21.0





#42

Toluene

Concen: 5.270 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV012065.D

Acq: 29 Jul 2019 16:53

Instrument :

MSVOA_V

ClientSampleId :

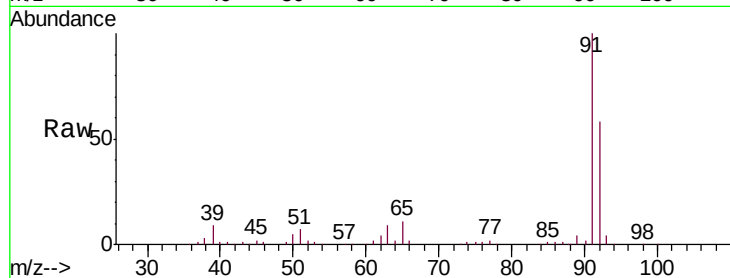
VSTD005001

Tgt Ion: 91 Resp: 206089

Ion Ratio Lower Upper

91 100

92 57.8 41.3 76.7



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

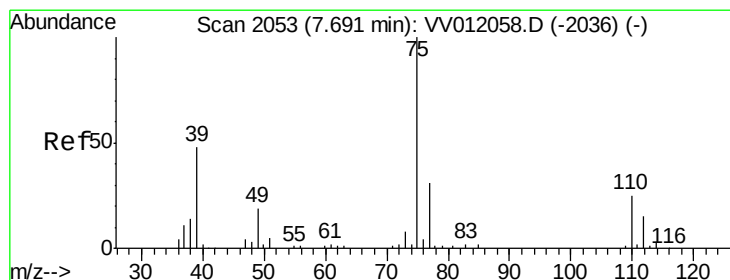
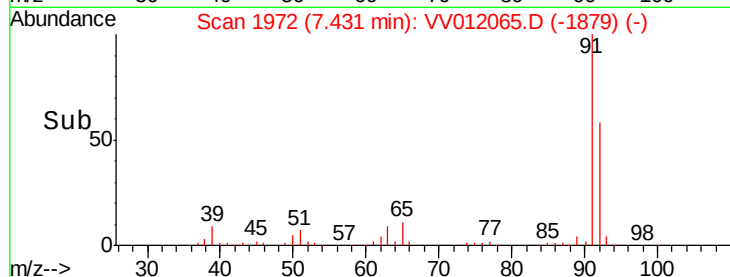
7.43

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.245 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV012065.D

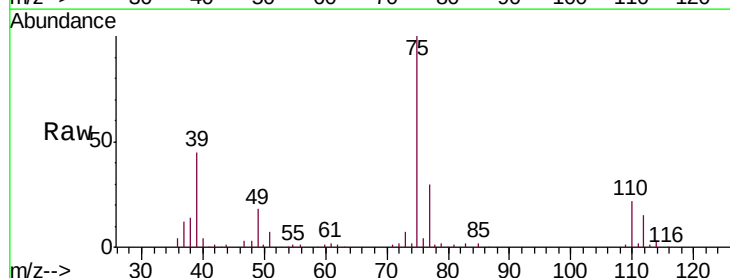
Acq: 29 Jul 2019 16:53

Tgt Ion: 75 Resp: 54108

Ion Ratio Lower Upper

75 100

77 30.4 21.6 40.0



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.69

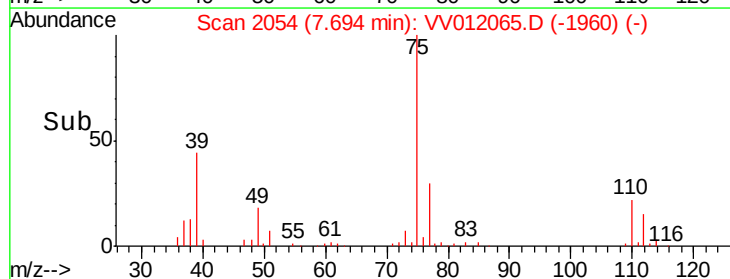
30000

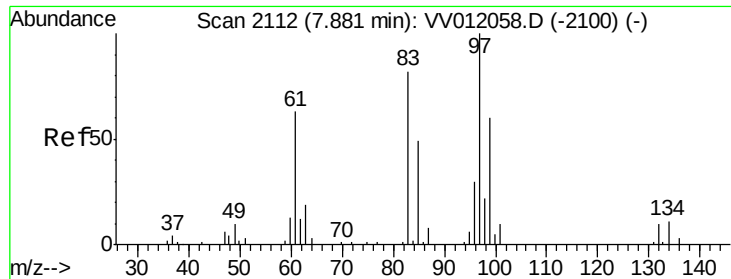
20000

10000

0

Time-->

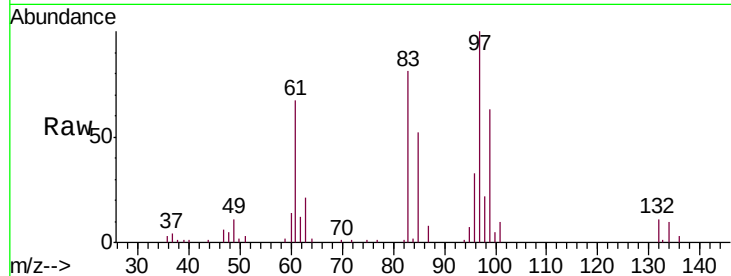




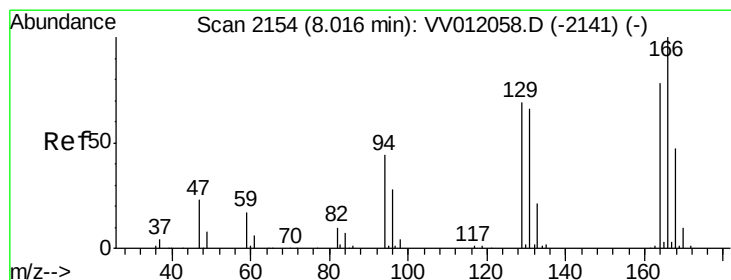
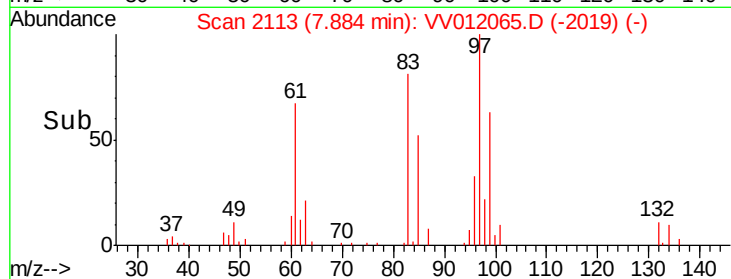
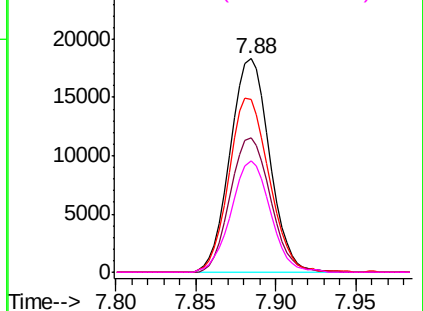
#45
 1,1,2-Trichloroethane
 Concen: 4.976 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VV012065.D
 Acq: 29 Jul 2019 16:53

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005001

Tgt Ion:	97	Resp:	30884
Ion	Ratio	Lower	Upper
97	100		
99	63.0	42.0	78.0
83	80.8	57.6	107.0
85	52.1	34.6	64.2

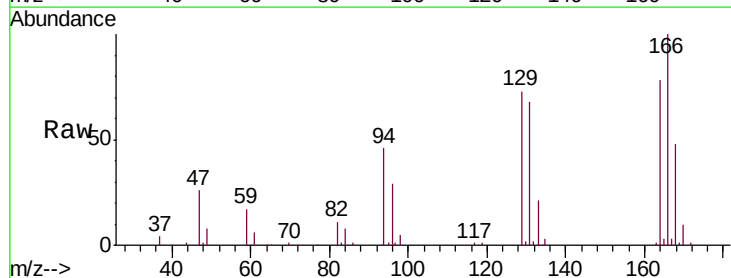


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

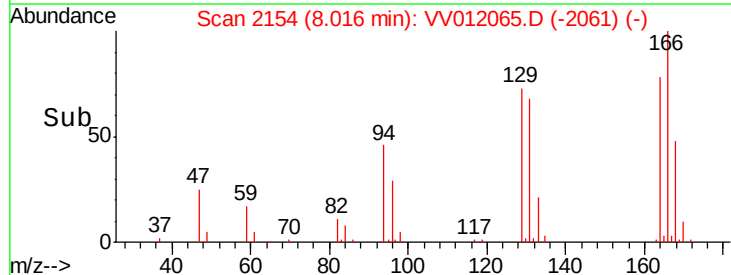
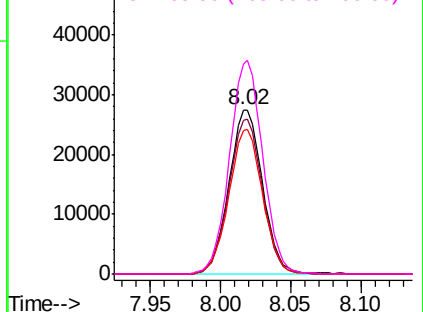


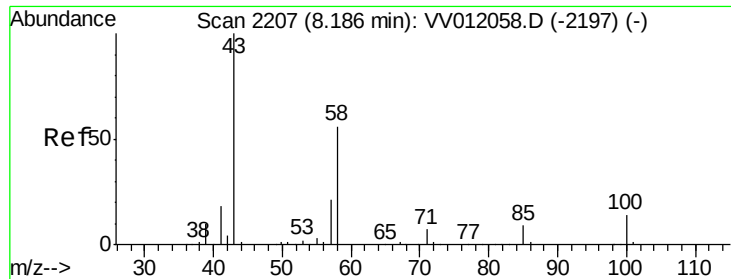
#47
 Tetrachloroethene
 Concen: 5.230 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV012065.D
 Acq: 29 Jul 2019 16:53

Tgt Ion:	164	Resp:	45846
Ion	Ratio	Lower	Upper
164	100		
129	93.4	61.9	114.9
131	87.4	59.4	110.4
166	127.8	89.6	166.4



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

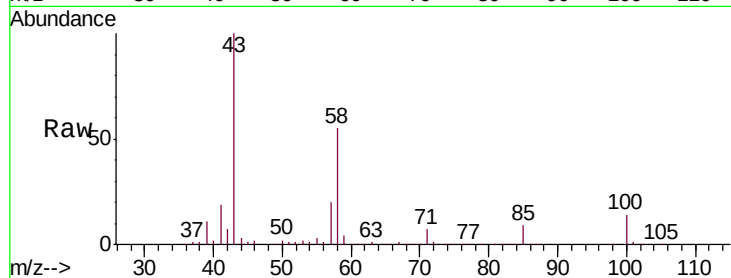




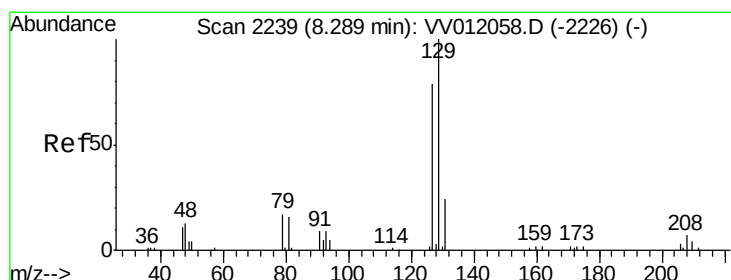
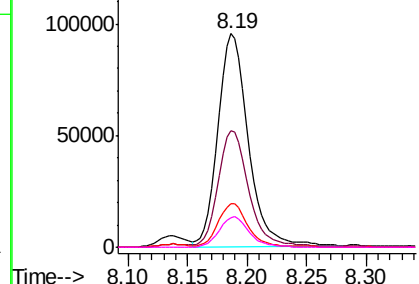
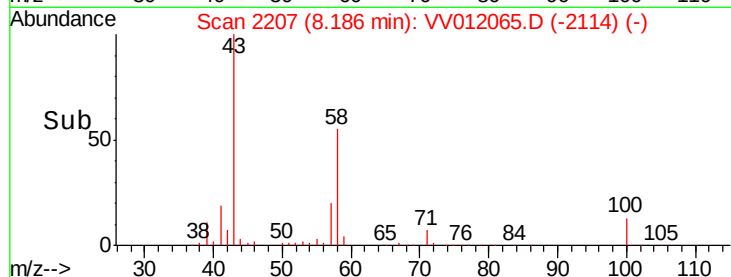
#48
2-Hexanone
Concen: 51.861 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV012065.D
Acq: 29 Jul 2019 16:53

Instrument :
MSVOA_V
ClientSampleId :
VSTD005001

Tgt Ion: 43 Resp: 168239
Ion Ratio Lower Upper
43 100
58 54.9 44.1 66.1
57 20.1 16.1 24.1
100 14.4 11.3 16.9

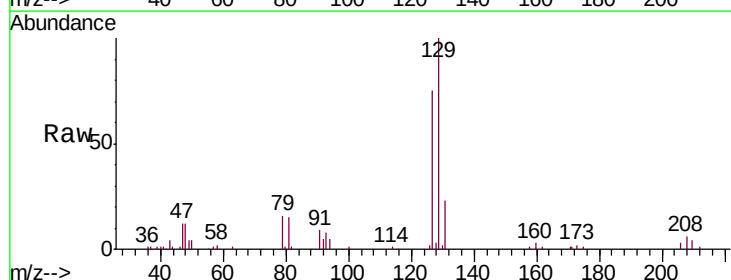


Abundance Ion 43.05 (42.75 to 43.75): VV012065.D (-2114) (-)
Ion 58.05 (57.75 to 58.75): VV012065.D (-2114) (-)
Ion 57.20 (56.90 to 57.90): VV012065.D (-2114) (-)
Ion 100.15 (99.85 to 100.85): VV012065.D (-2114) (-)

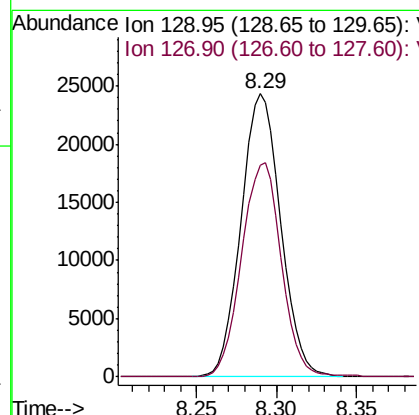
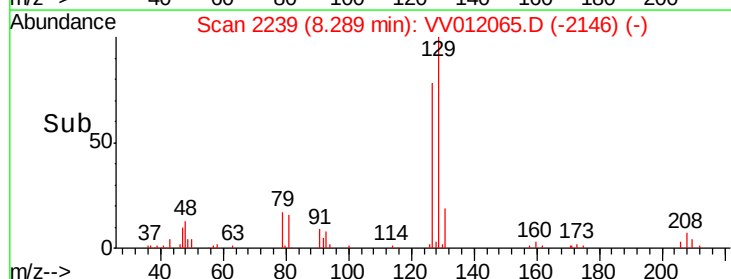


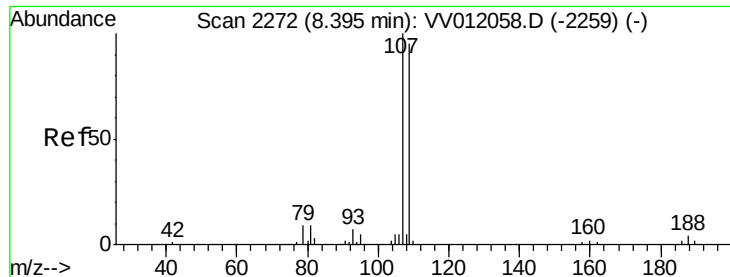
#49
Dibromochloromethane
Concen: 5.403 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV012065.D
Acq: 29 Jul 2019 16:53

Tgt Ion: 129 Resp: 41107
Ion Ratio Lower Upper
129 100
127 74.6 55.4 102.8



Abundance Ion 128.95 (128.65 to 129.65): VV012065.D (-2146) (-)
Ion 126.90 (126.60 to 127.60): VV012065.D (-2146) (-)

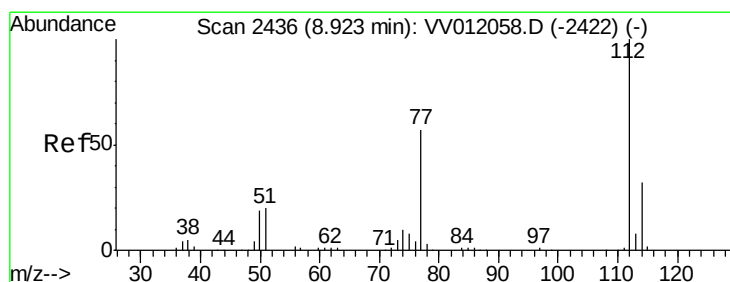
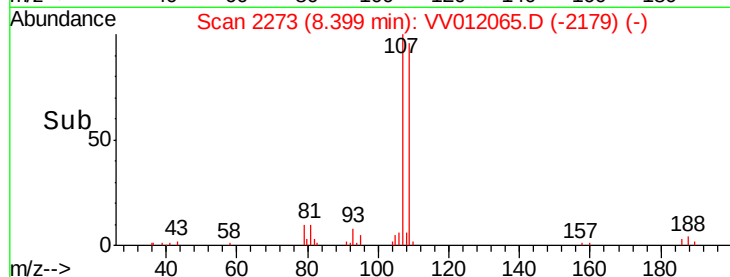
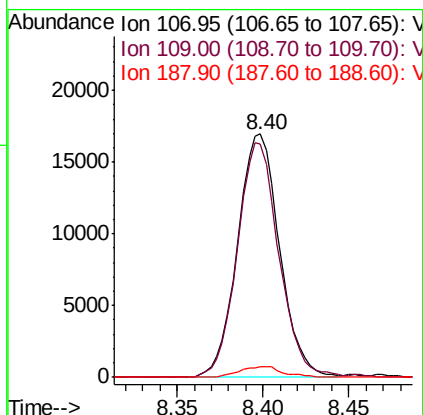
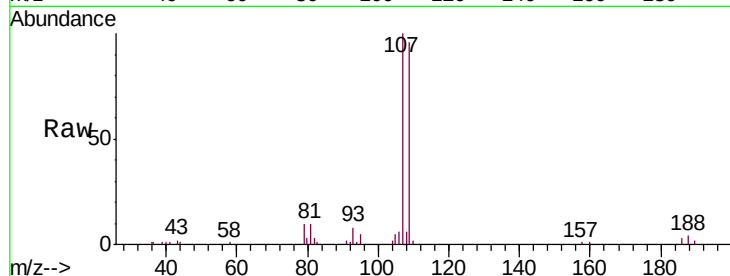




#50
 1,2-Dibromoethane
 Concen: 4.962 ug/L
 RT: 8.40 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VV012065.D
 Acq: 29 Jul 2019 16:53

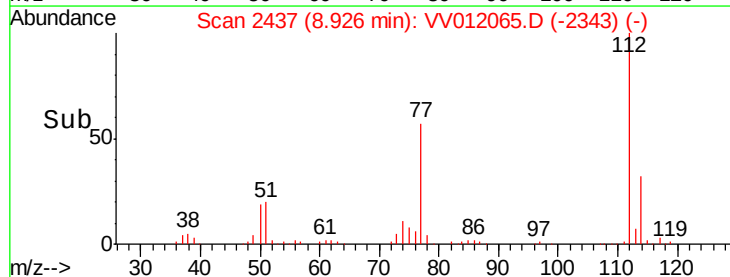
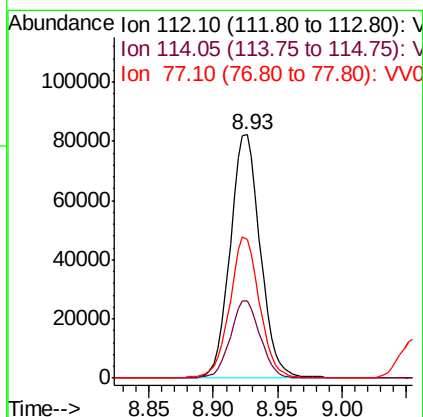
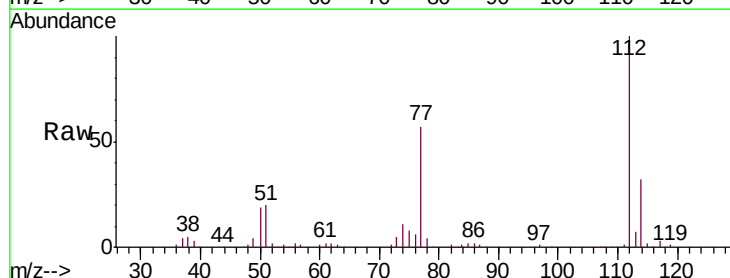
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005001

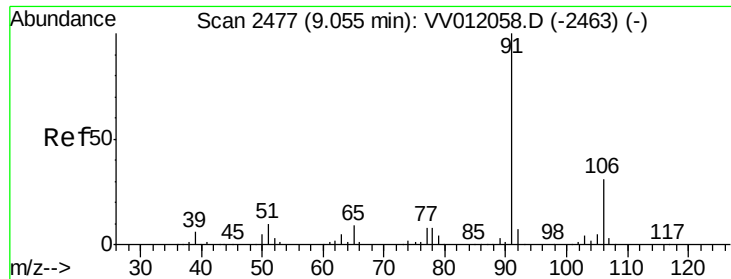
Tgt Ion:107 Resp: 28783
 Ion Ratio Lower Upper
 107 100
 109 95.9 66.3 123.1
 188 4.2 3.4 5.0



#51
 Chlorobenzene
 Concen: 5.106 ug/L
 RT: 8.93 min Scan# 2437
 Delta R.T. 0.00 min
 Lab File: VV012065.D
 Acq: 29 Jul 2019 16:53

Tgt Ion:112 Resp: 133506
 Ion Ratio Lower Upper
 112 100
 114 31.6 22.1 41.1
 77 56.7 45.9 68.9





#52

Ethylbenzene

Concen: 5.177 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV012065.D

Acq: 29 Jul 2019 16:53

Instrument :

MSVOA_V

ClientSampleId :

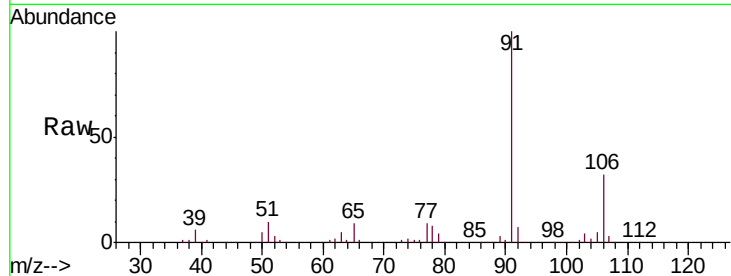
VSTD005001

Tgt Ion: 91 Resp: 231040

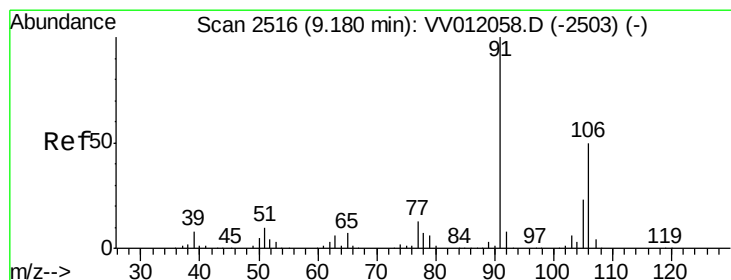
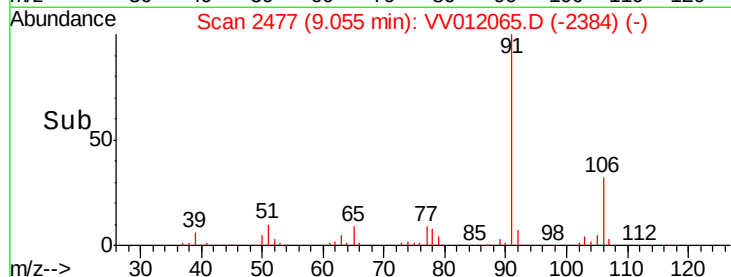
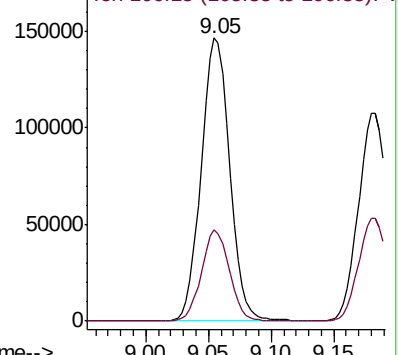
Ion Ratio Lower Upper

91 100

106 32.1 21.6 40.2



Abundance Ion 91.15 (90.85 to 91.85): VV012065.D (-2463) (-)



#53

m,p-xylene

Concen: 5.303 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV012065.D

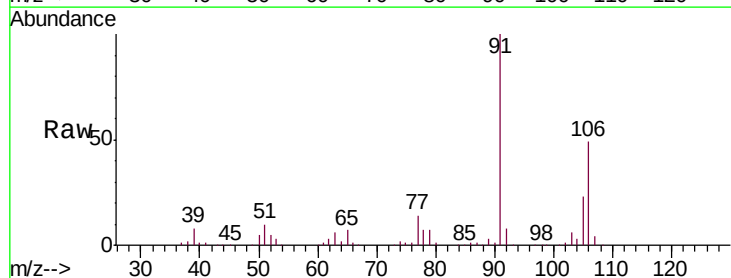
Acq: 29 Jul 2019 16:53

Tgt Ion: 106 Resp: 90083

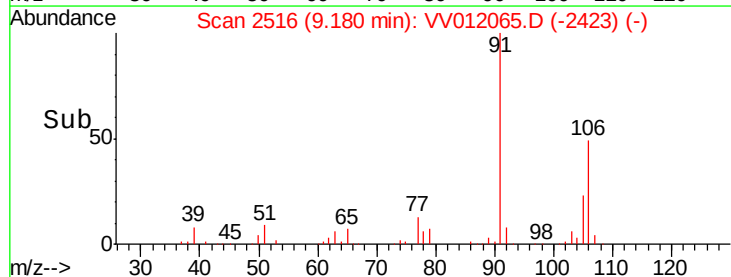
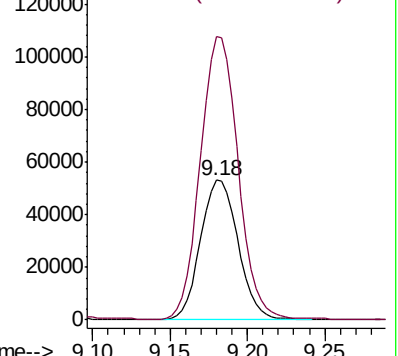
Ion Ratio Lower Upper

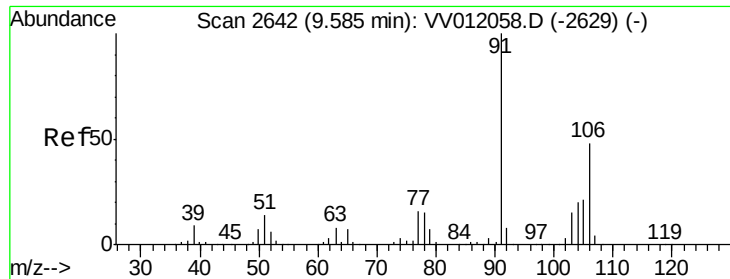
106 100

91 202.8 141.6 263.0



Abundance Ion 106.15 (105.85 to 106.85): VV012065.D (-2503) (-)

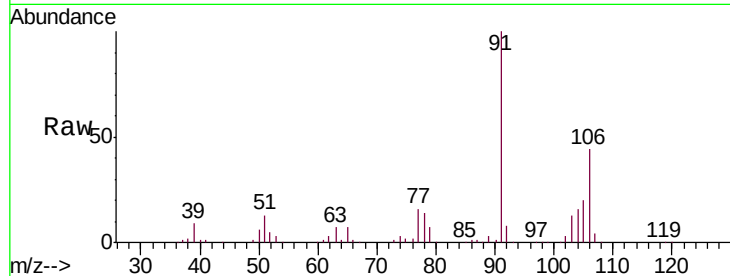




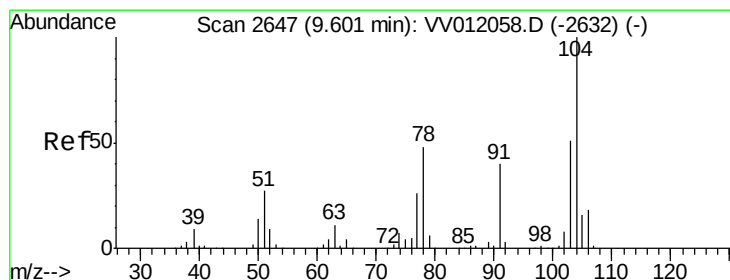
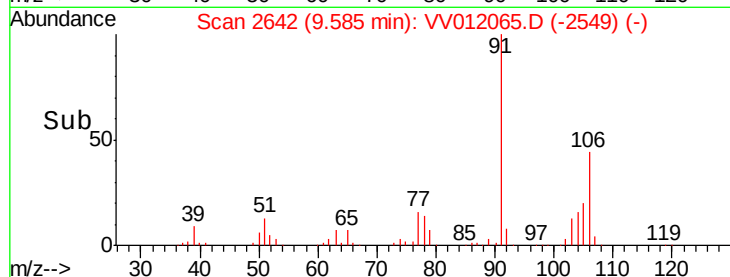
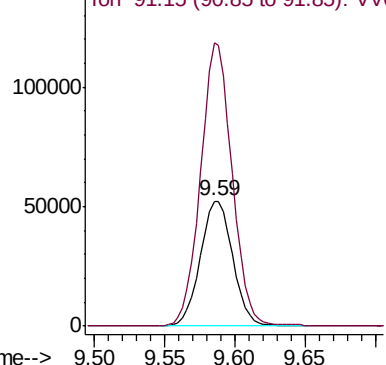
#54
o-xylene
Concen: 5.246 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.00 min
Lab File: VV012065.D
Acq: 29 Jul 2019 16:53

Instrument :
MSVOA_V
ClientSampleId :
VSTD005001

Tgt Ion:106 Resp: 84343
Ion Ratio Lower Upper
106 100
91 226.1 146.8 272.6

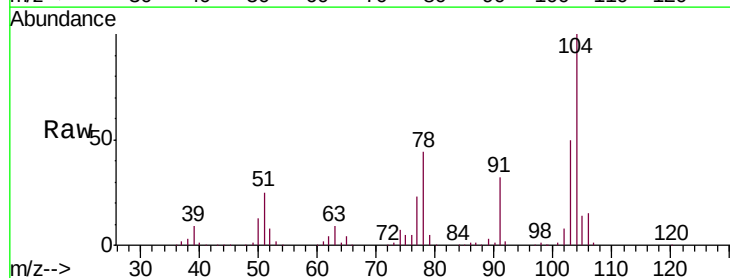


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

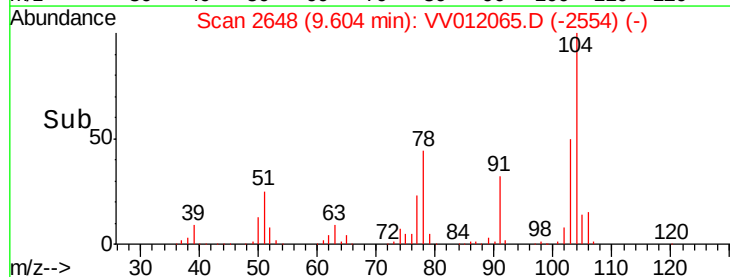
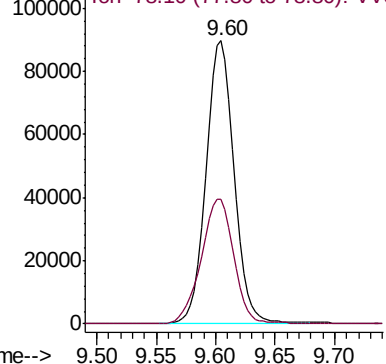


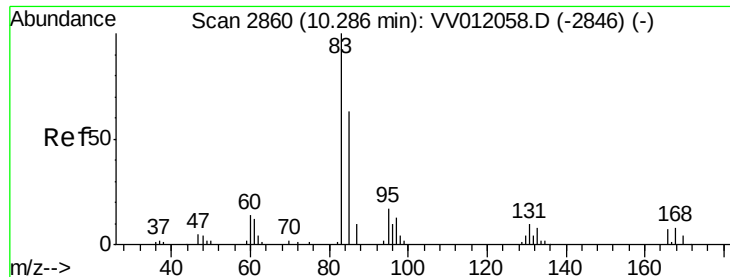
#55
Styrene
Concen: 5.421 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV012065.D
Acq: 29 Jul 2019 16:53

Tgt Ion:104 Resp: 146847
Ion Ratio Lower Upper
104 100
78 44.2 33.3 61.9



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

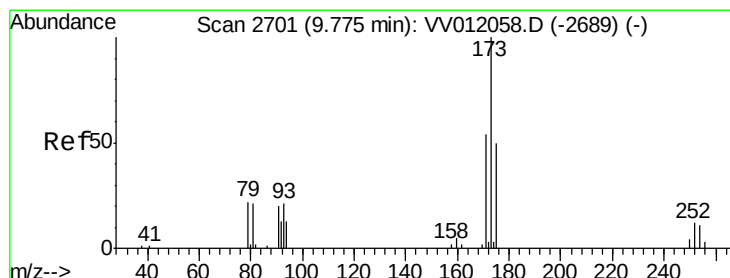
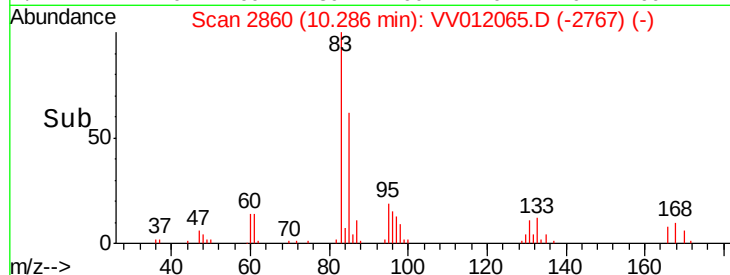
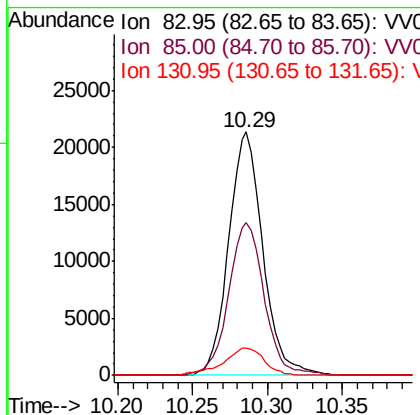
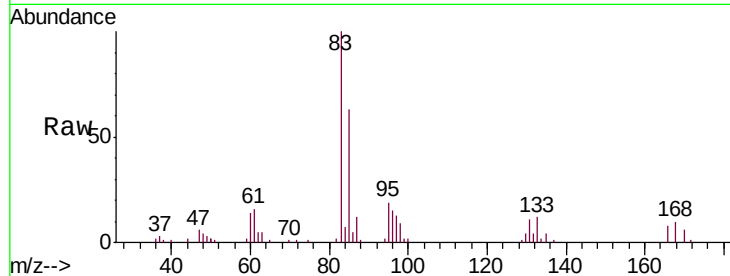




#57
 1,1,2,2-Tetrachloroethane
 Concen: 5.099 ug/L
 RT: 10.29 min Scan# 2860
 Delta R.T. 0.00 min
 Lab File: VV012065.D
 Acq: 29 Jul 2019 16:53

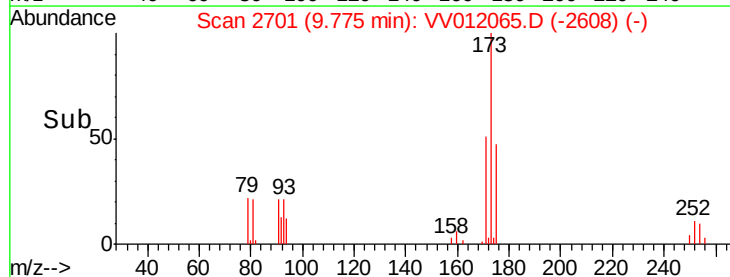
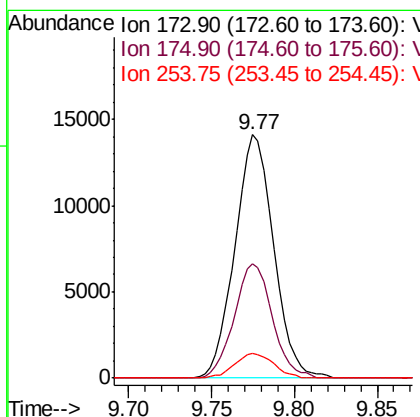
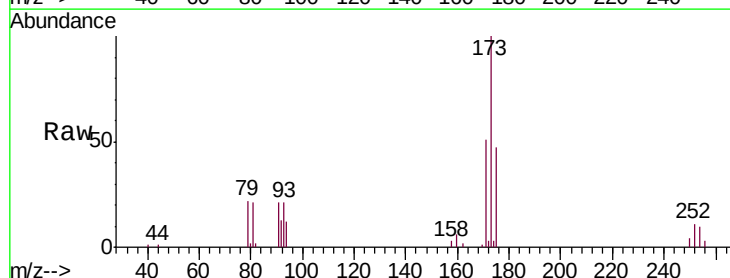
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005001

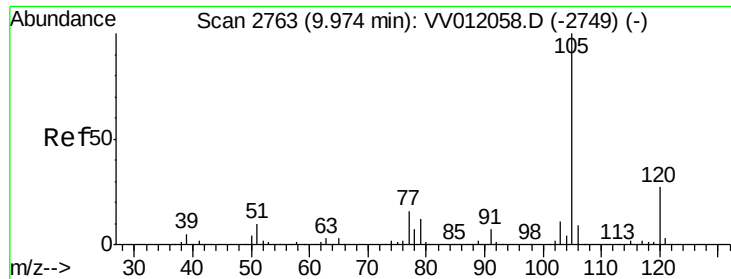
Tgt Ion: 83 Resp: 33963
 Ion Ratio Lower Upper
 83 100
 85 62.5 44.0 81.6
 131 11.3 8.3 12.5



#59
 Bromoform
 Concen: 5.307 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. 0.00 min
 Lab File: VV012065.D
 Acq: 29 Jul 2019 16:53

Tgt Ion: 173 Resp: 22896
 Ion Ratio Lower Upper
 173 100
 175 46.1 38.3 57.5
 254 10.3 8.6 13.0





#60

Isopropylbenzene

Concen: 5.131 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV012065.D

Acq: 29 Jul 2019 16:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD005001

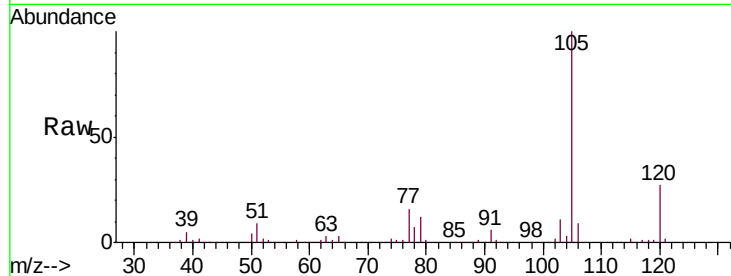
Tgt Ion: 105 Resp: 233972

Ion Ratio Lower Upper

105 100

120 26.8 21.5 32.3

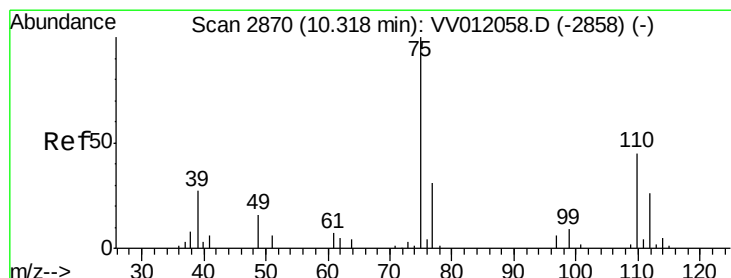
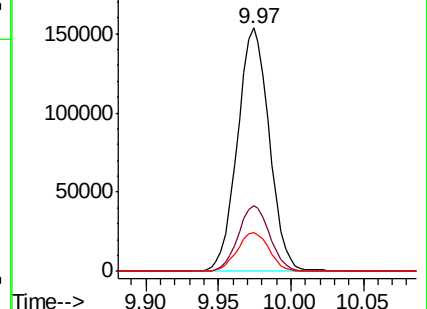
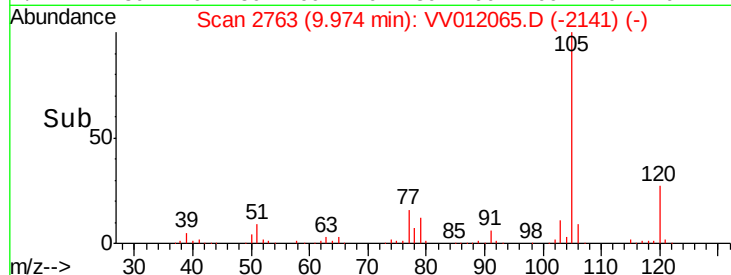
77 16.1 12.3 18.5



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



#61

1,2,3-Trichloropropane

Concen: 5.151 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VV012065.D

Acq: 29 Jul 2019 16:53

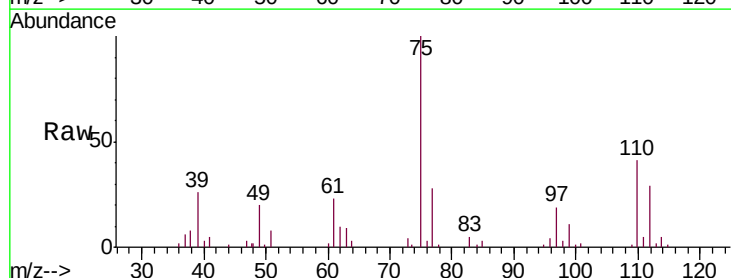
Tgt Ion: 75 Resp: 26797

Ion Ratio Lower Upper

75 100

77 30.2 26.8 40.2

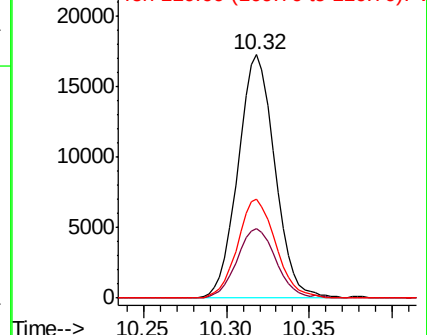
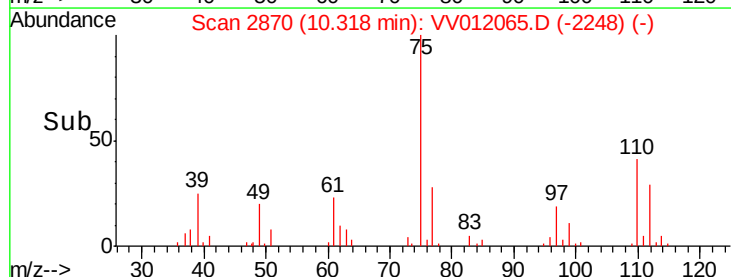
110 42.2 35.0 52.6

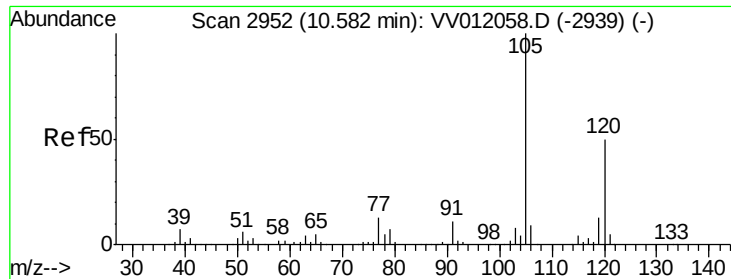


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

Ion 110.00 (109.70 to 110.70): V

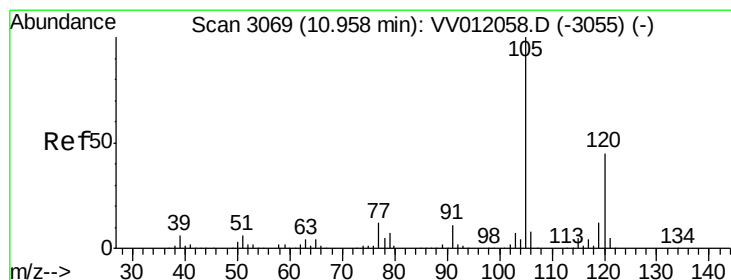
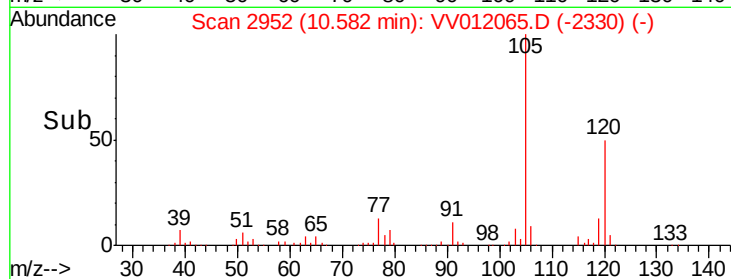
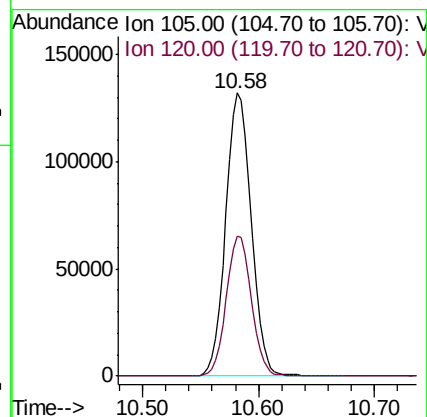
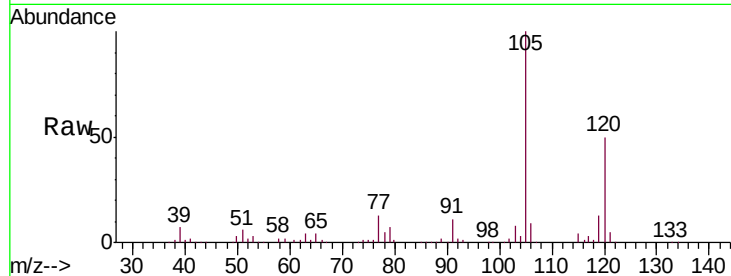




#62
 1,3,5-Trimethylbenzene
 Concen: 5.357 ug/L
 RT: 10.58 min Scan# 2952
 Delta R.T. 0.00 min
 Lab File: VV012065.D
 Acq: 29 Jul 2019 16:53

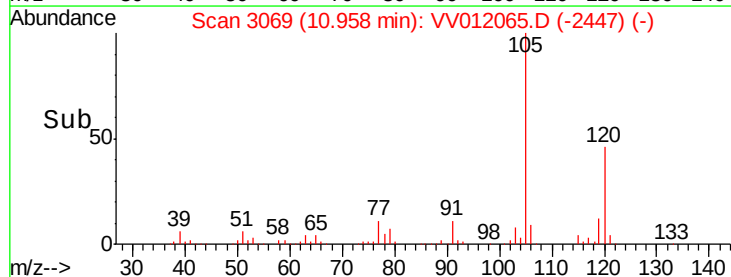
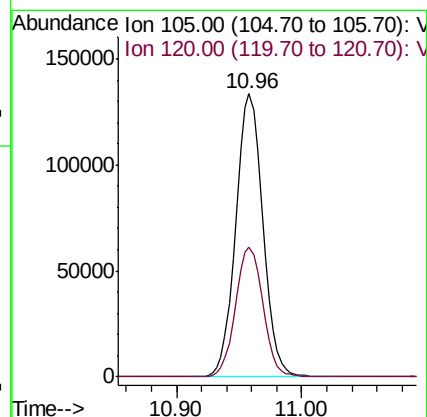
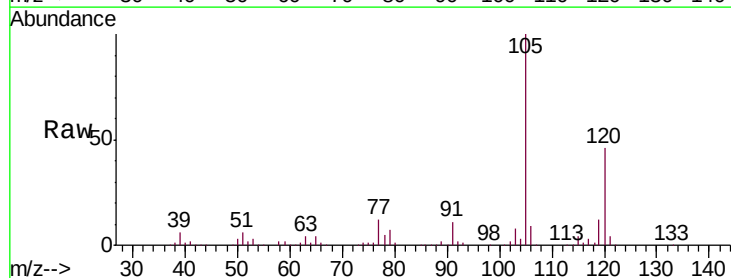
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005001

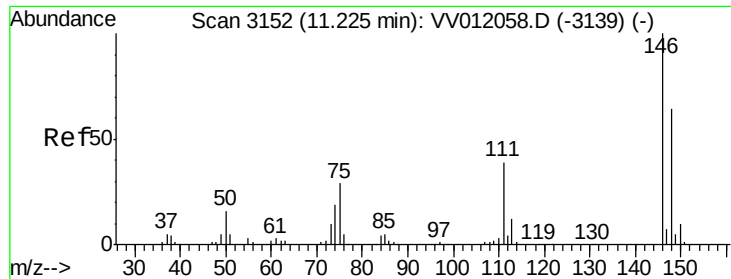
Tgt Ion:105 Resp: 201703
 Ion Ratio Lower Upper
 105 100
 120 48.5 40.1 60.1



#63
 1,2,4-Trimethylbenzene
 Concen: 5.354 ug/L
 RT: 10.96 min Scan# 3069
 Delta R.T. 0.00 min
 Lab File: VV012065.D
 Acq: 29 Jul 2019 16:53

Tgt Ion:105 Resp: 200298
 Ion Ratio Lower Upper
 105 100
 120 46.5 35.8 53.8





#64

1,3-Dichlorobenzene

Concen: 5.143 ug/L

RT: 11.22 min Scan# 3152

Delta R.T. 0.00 min

Lab File: VV012065.D

Acq: 29 Jul 2019 16:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD005001

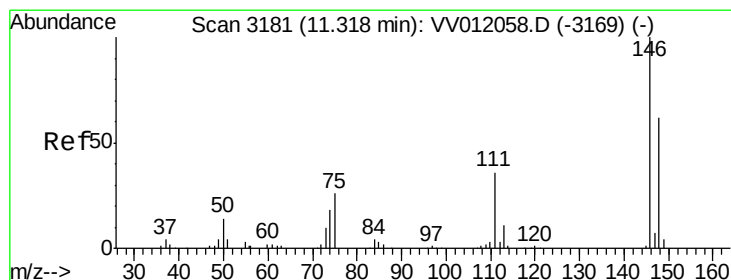
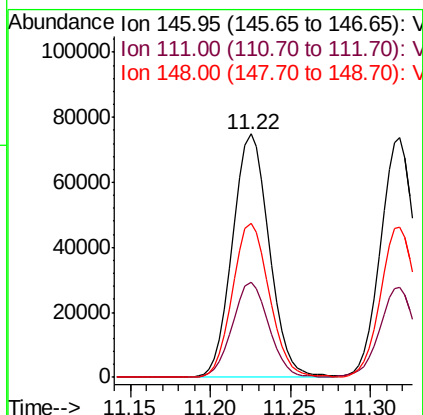
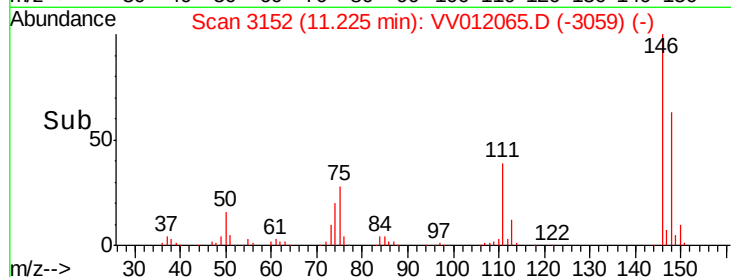
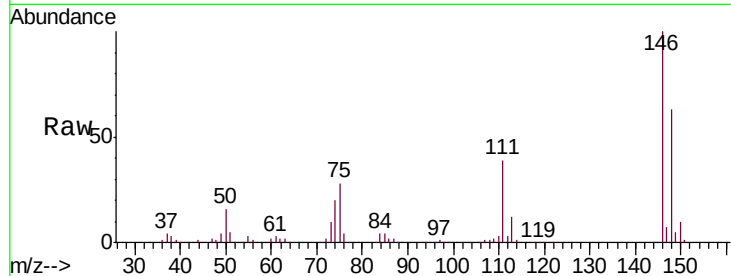
Tgt Ion:146 Resp: 116872

Ion Ratio Lower Upper

146 100

111 39.1 27.2 50.6

148 63.3 44.5 82.7



#65

1,4-Dichlorobenzene

Concen: 4.975 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. 0.00 min

Lab File: VV012065.D

Acq: 29 Jul 2019 16:53

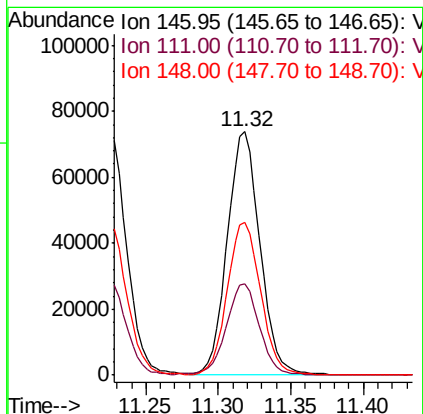
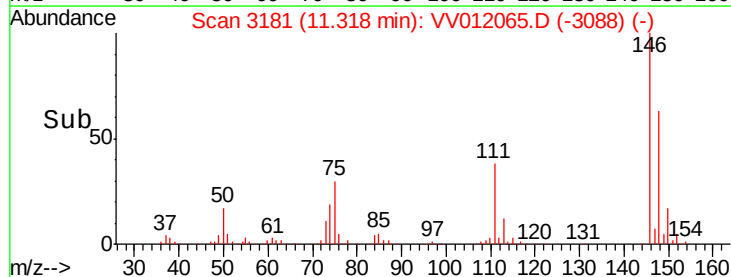
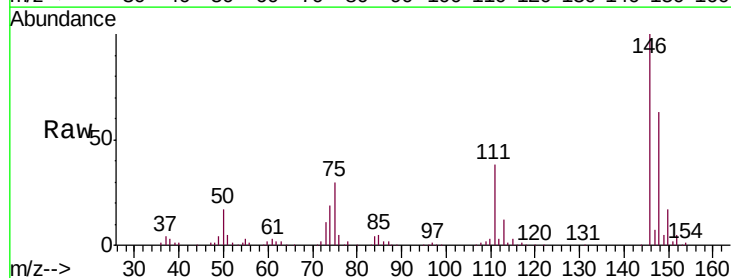
Tgt Ion:146 Resp: 115194

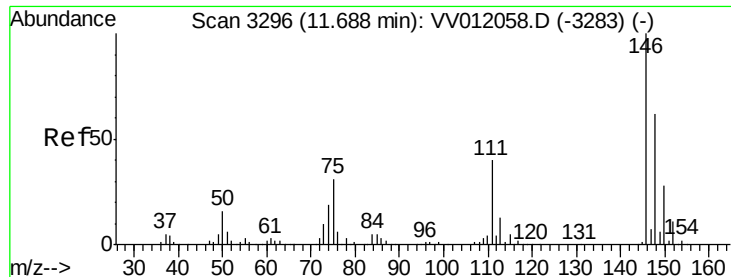
Ion Ratio Lower Upper

146 100

111 37.6 25.8 48.0

148 62.6 43.8 81.3

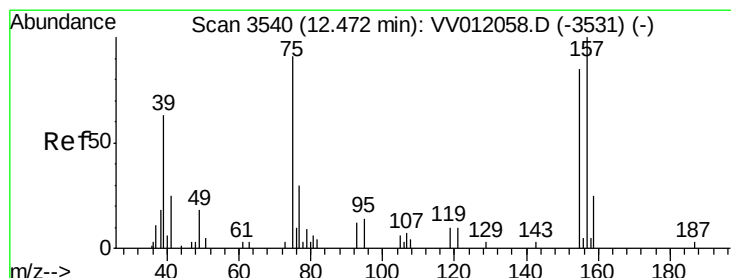
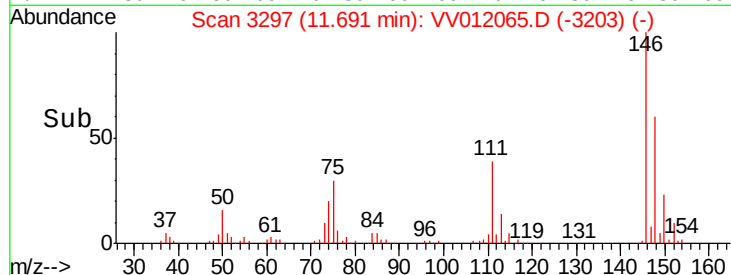
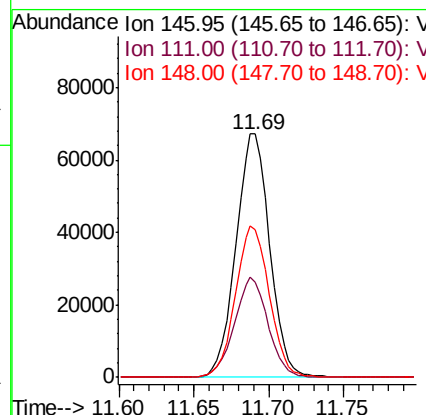
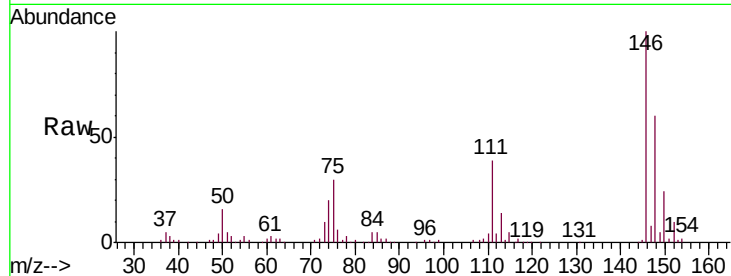




#67
 1,2-Dichlorobenzene
 Concen: 5.116 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VV012065.D
 Acq: 29 Jul 2019 16:53

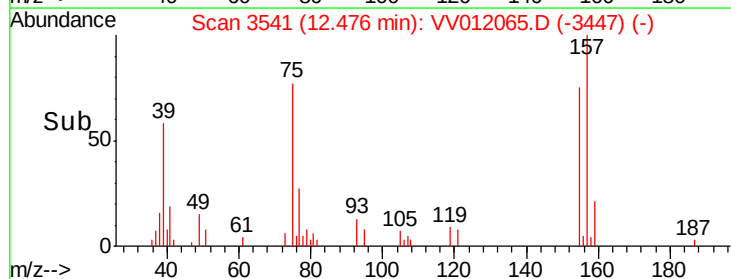
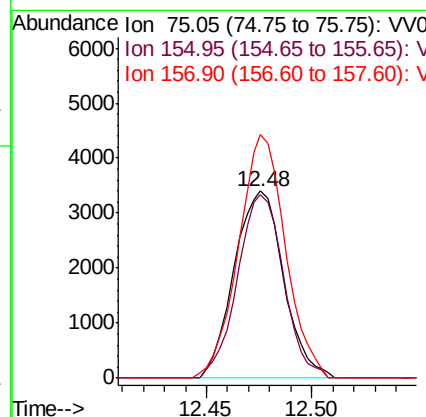
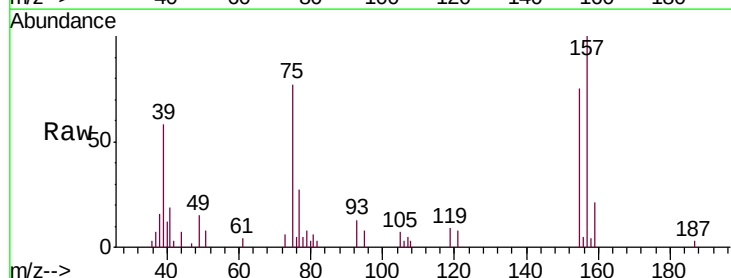
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005001

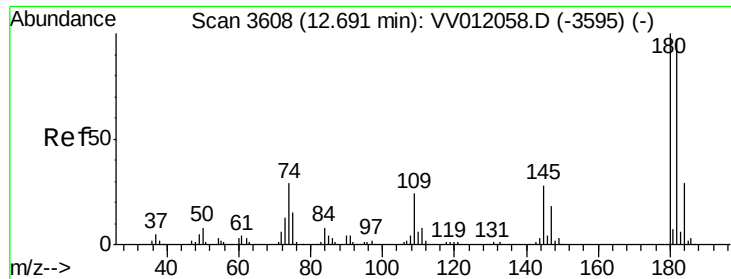
Tgt Ion: 146 Resp: 105636
 Ion Ratio Lower Upper
 146 100
 111 39.1 32.4 48.6
 148 60.5 49.4 74.0



#68
 1,2-Dibromo-3-chloropropane
 Concen: 5.167 ug/L
 RT: 12.48 min Scan# 3541
 Delta R.T. 0.00 min
 Lab File: VV012065.D
 Acq: 29 Jul 2019 16:53

Tgt Ion: 75 Resp: 5542
 Ion Ratio Lower Upper
 75 100
 155 98.1 75.0 112.6
 157 130.2 87.8 131.6

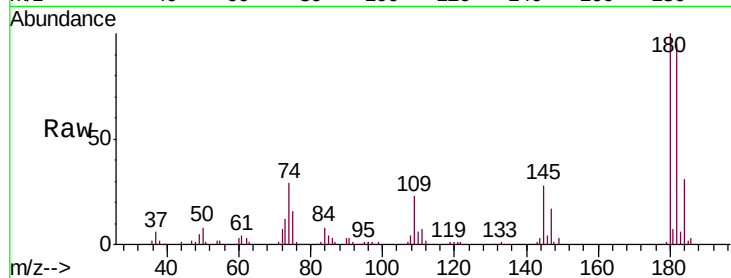




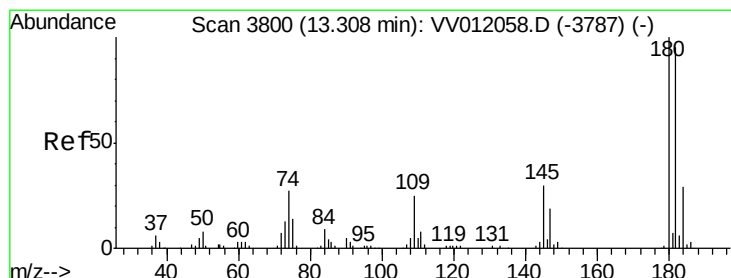
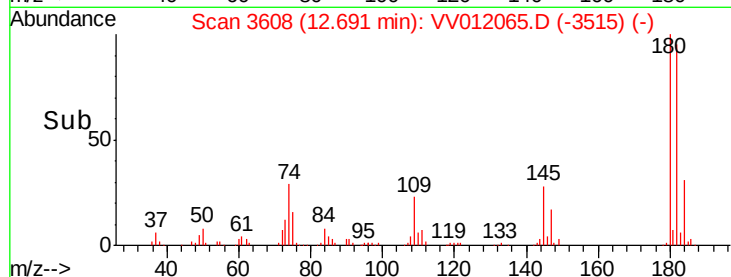
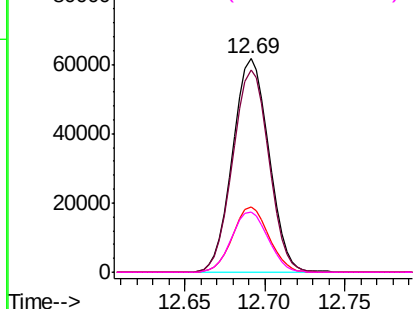
#69
 1,3,5-Trichlorobenzene
 Concen: 5.065 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV012065.D
 Acq: 29 Jul 2019 16:53

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005001

Tgt Ion:180 Resp: 95153
 Ion Ratio Lower Upper
 180 100
 182 94.2 77.1 115.7
 184 30.4 24.6 36.8
 145 28.5 22.8 34.2

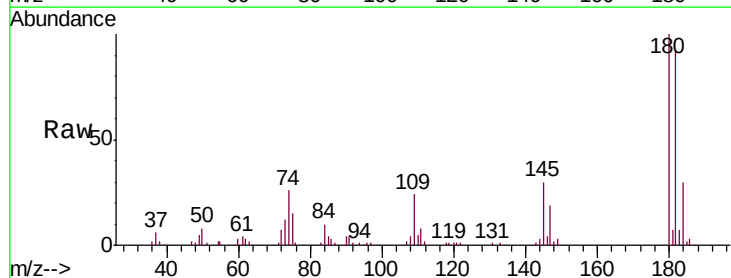


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

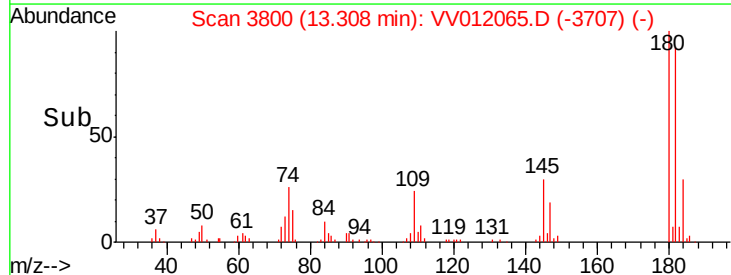
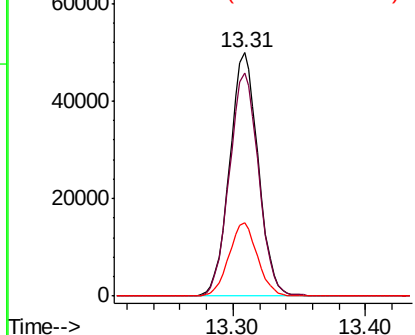


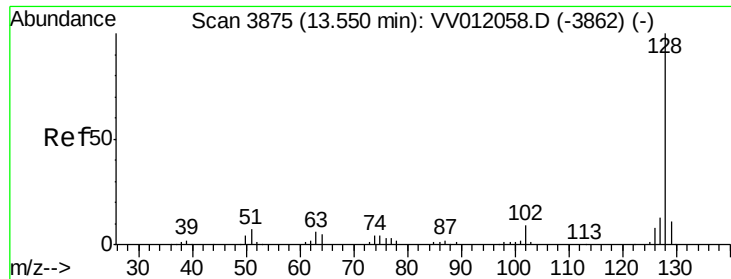
#70
 1,2,4-trichlorobenzene
 Concen: 5.037 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV012065.D
 Acq: 29 Jul 2019 16:53

Tgt Ion:180 Resp: 74879
 Ion Ratio Lower Upper
 180 100
 182 93.5 76.1 114.1
 145 30.1 24.3 36.5



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

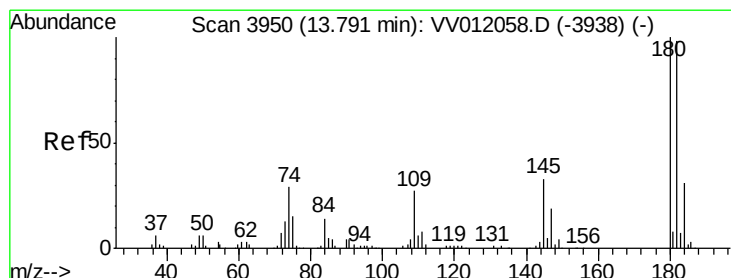
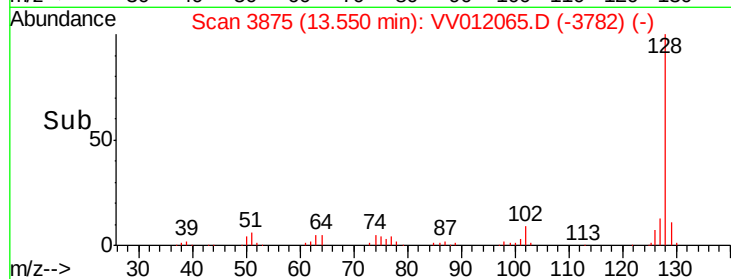
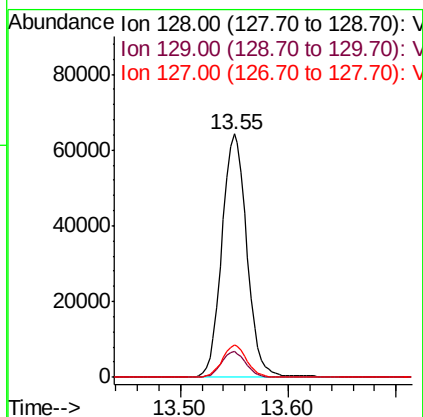
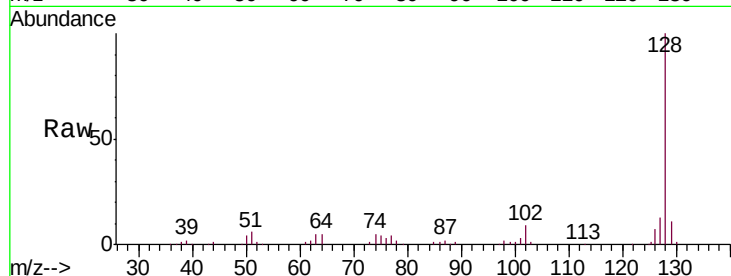




#71
Naphthalene
Concen: 5.014 ug/L
RT: 13.55 min Scan# 3875
Delta R.T. 0.00 min
Lab File: VV012065.D
Acq: 29 Jul 2019 16:53

Instrument :
MSVOA_V
ClientSampleId :
VSTD005001

Tgt Ion:128 Resp: 103426
Ion Ratio Lower Upper
128 100
129 10.4 9.1 13.7
127 13.2 10.4 15.6



#72
1,2,3-Trichlorobenzene
Concen: 5.192 ug/L
RT: 13.79 min Scan# 3950
Delta R.T. 0.00 min
Lab File: VV012065.D
Acq: 29 Jul 2019 16:53

Tgt Ion:180 Resp: 68417
Ion Ratio Lower Upper
180 100
182 95.6 78.5 117.7
145 30.6 25.8 38.8

