

Data File : VV012072.D
Acq On : 30 Jul 2019 15:04
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00555

Quant Time: Jul 31 09:26:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVTR072919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 31 09:22:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	138930	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	131630	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	73339	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	30262	3.85	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.00%
7) Chloroethane-d5	1.59	69	23258	4.22	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.40%
11) 1,1-Dichloroethene-d2	2.14	63	65766	4.62	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.40%
20) 2-Butanone-d5	3.97	46	85272	47.75	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.50%
24) Chloroform-d	4.40	84	79869	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.00%
26) 1,2-Dichloroethane-d4	5.09	65	44450	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.80%
32) Benzene-d6	5.10	84	159516	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.20%
36) 1,2-Dichloropropane-d6	6.12	67	44224	4.77	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.40%
41) Toluene-d8	7.36	98	151693	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.20%
43) trans-1,3-Dichloropropene-	7.67	79	20714	5.11	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	102.20%
46) 2-Hexanone-d5	8.14	63	66959	46.70	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.40%
56) 1,1,2,2-Tetrachloroethane-	10.26	84	32091	4.61	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.20%
66) 1,2-Dichlorobenzene-d4	11.67	152	61634	4.72	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	80267	5.070 ug/L	98
3) Chloromethane	1.25	50	38327	4.228 ug/L	98
5) Vinyl chloride	1.32	62	39807	4.293 ug/L	96
6) Bromomethane	1.54	94	26212	4.730 ug/L	95
8) Chloroethane	1.60	64	23011	4.567 ug/L	97
9) Trichlorofluoromethane	1.77	101	82842	5.223 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	35307	5.124 ug/L	96
12) 1,1-Dichloroethene	2.14	96	31822	4.986 ug/L	96
13) Acetone	2.23	43	49230	50.094 ug/L	97
14) Carbon disulfide	2.32	76	87710	4.922 ug/L	98
15) Methyl Acetate	2.47	43	9273	4.591 ug/L	97
16) Methylene chloride	2.54	84	31314	4.784 ug/L	98
17) Methyl tert-butyl Ether	2.81	73	104755	5.220 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	45491	4.947 ug/L	93
19) 1,1-Dichloroethane	3.23	63	83088	5.052 ug/L	97
21) 2-Butanone	4.05	43	96724	49.882 ug/L	100
22) cis-1,2-Dichloroethene	3.96	96	49416	5.046 ug/L	97

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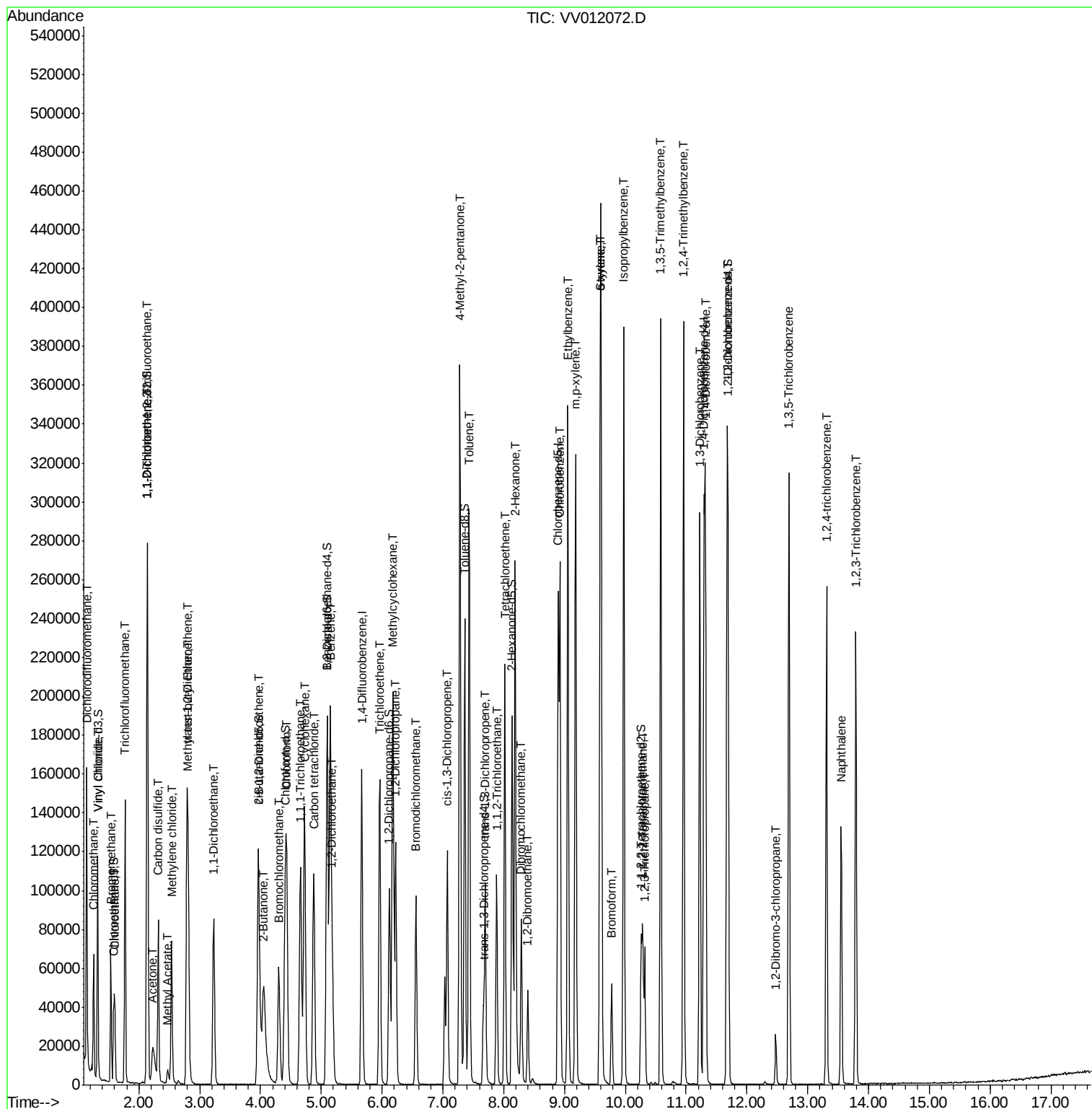
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	22693	5.283	ug/L	93
25) Chloroform	4.43	83	100776	4.887	ug/L	98
27) 1,2-Dichloroethane	5.18	62	60201	5.290	ug/L	98
29) 1,1,1-Trichloroethane	4.66	97	90501	5.562	ug/L	99
30) Cyclohexane	4.73	56	70724	5.081	ug/L	97
31) Carbon tetrachloride	4.87	117	82641	5.644	ug/L	99
33) Benzene	5.15	78	187814	5.253	ug/L	100
34) Trichloroethene	5.96	95	52641	5.162	ug/L	99
35) Methylcyclohexane	6.18	83	81526	5.103	ug/L	99
37) 1,2-Dichloropropane	6.22	63	43212	5.224	ug/L	97
38) Bromodichloromethane	6.56	83	62473	5.349	ug/L	97
39) cis-1,3-Dichloropropene	7.07	75	68341	5.269	ug/L	100
40) 4-Methyl-2-pentanone	7.28	43	242218	51.909	ug/L	99
42) Toluene	7.43	91	209729	5.275	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	55706	5.312	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	32098	5.088	ug/L	96
47) Tetrachloroethene	8.02	164	48599	5.454	ug/L	98
48) 2-Hexanone	8.19	43	170332	51.650	ug/L	99
49) Dibromochloromethane	8.29	129	42887	5.545	ug/L	98
50) 1,2-Dibromoethane	8.40	107	31109	5.276	ug/L	98
51) Chlorobenzene	8.93	112	137068	5.157	ug/L	98
52) Ethylbenzene	9.05	91	237922	5.245	ug/L	100
53) m,p-xylene	9.18	106	93204	5.397	ug/L	99
54) o-xylene	9.59	106	87903	5.378	ug/L	97
55) Styrene	9.60	104	150194	5.454	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.29	83	35044	5.176	ug/L #	96
59) Bromoform	9.77	173	23915	5.394	ug/L	98
60) Isopropylbenzene	9.97	105	242324	5.172	ug/L	99
61) 1,2,3-Trichloropropane	10.32	75	26229	4.907	ug/L	98
62) 1,3,5-Trimethylbenzene	10.58	105	210396	5.438	ug/L	98
63) 1,2,4-Trimethylbenzene	10.96	105	208644	5.428	ug/L	98
64) 1,3-Dichlorobenzene	11.22	146	119404	5.114	ug/L	99
65) 1,4-Dichlorobenzene	11.32	146	121109	5.090	ug/L	99
67) 1,2-Dichlorobenzene	11.69	146	108047	5.092	ug/L	98
68) 1,2-Dibromo-3-chloropropan	12.48	75	5909	5.361	ug/L	91
69) 1,3,5-Trichlorobenzene	12.69	180	98428	5.099	ug/L	99
70) 1,2,4-trichlorobenzene	13.31	180	77808	5.094	ug/L	99
71) Naphthalene	13.55	128	107302	5.063	ug/L	99
72) 1,2,3-Trichlorobenzene	13.79	180	71273	5.264	ug/L	97

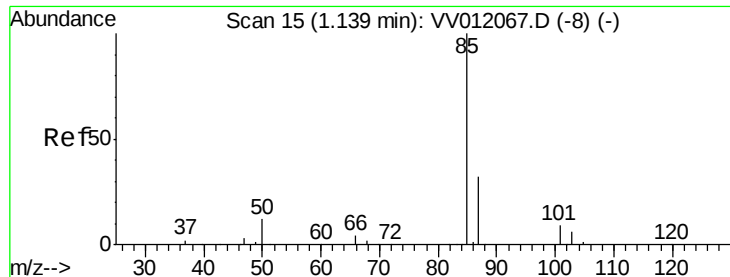
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.070 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV012072.D

Acq: 30 Jul 2019 15:04

Instrument :

MSVOA_V

ClientSampleId :

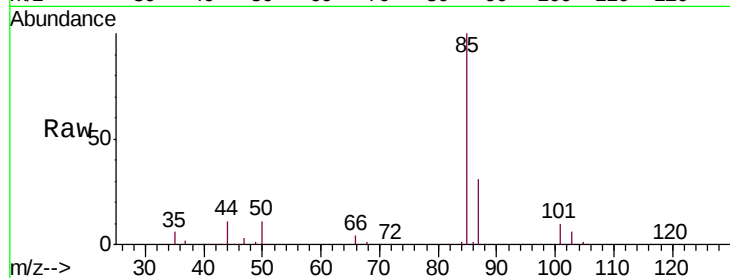
VSTD00555

Tgt Ion: 85 Resp: 80267

Ion Ratio Lower Upper

85 100

87 31.1 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV012067.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV012067.D (-8) (-)

100000

80000

60000

40000

20000

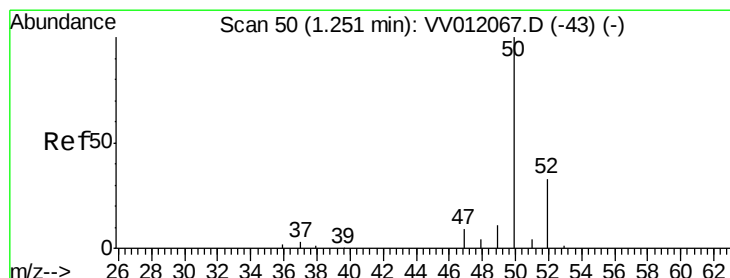
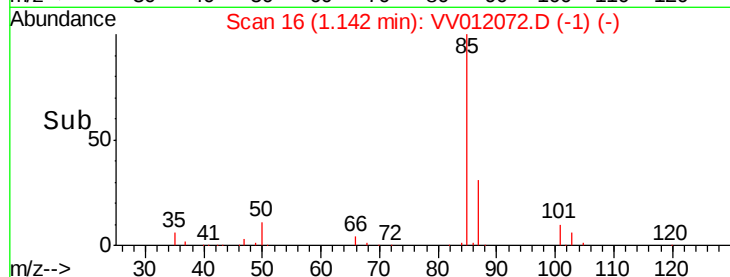
0

1.10

1.14

1.20

Time-->



#3

Chloromethane

Concen: 4.228 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV012072.D

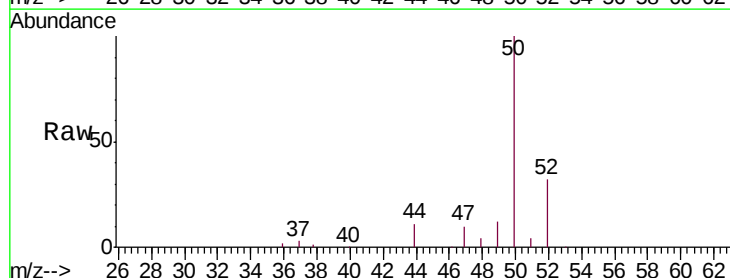
Acq: 30 Jul 2019 15:04

Tgt Ion: 50 Resp: 38327

Ion Ratio Lower Upper

50 100

52 32.1 23.4 43.4



Abundance Ion 50.05 (49.75 to 50.75): VV012067.D (-43) (-)

Ion 52.05 (51.75 to 52.75): VV012067.D (-43) (-)

40000

30000

20000

10000

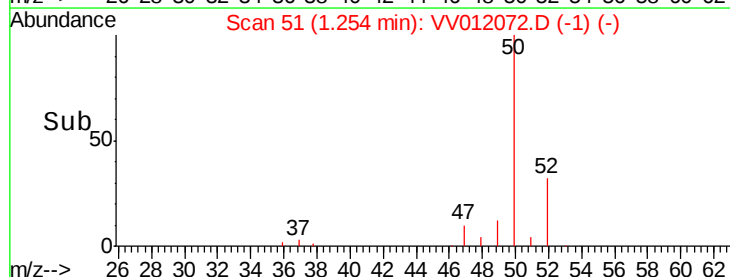
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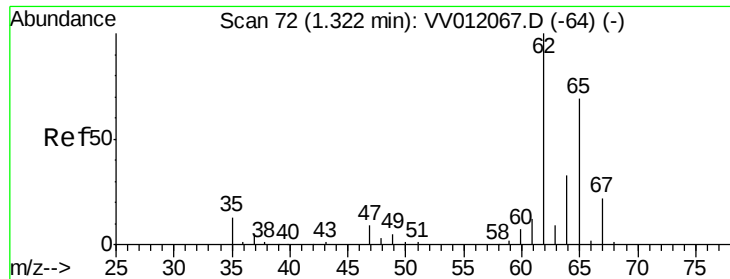
1.20

1.25

1.30

Time-->





#5

Vinyl chloride

Concen: 4.293 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV012072.D

Acq: 30 Jul 2019 15:04

Instrument :

MSVOA_V

ClientSampleId :

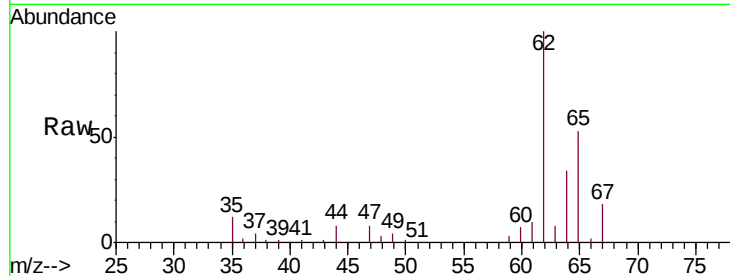
VSTD00555

Tgt Ion: 62 Resp: 39807

Ion Ratio Lower Upper

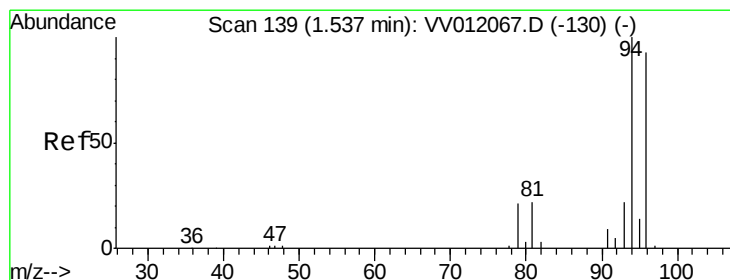
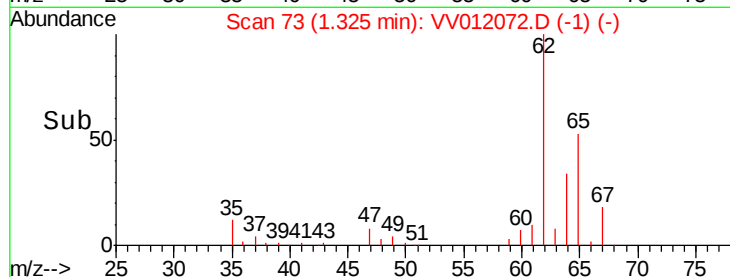
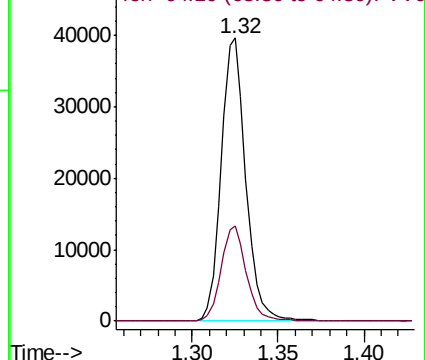
62 100

64 33.6 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: 4.730 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV012072.D

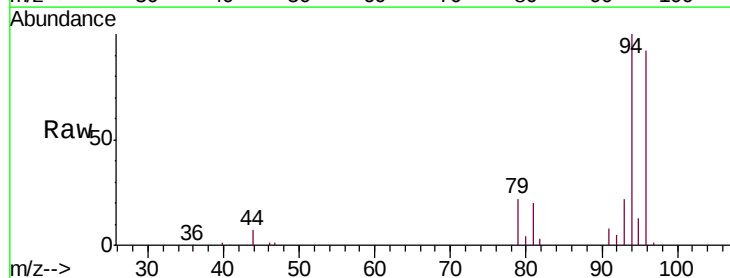
Acq: 30 Jul 2019 15:04

Tgt Ion: 94 Resp: 26212

Ion Ratio Lower Upper

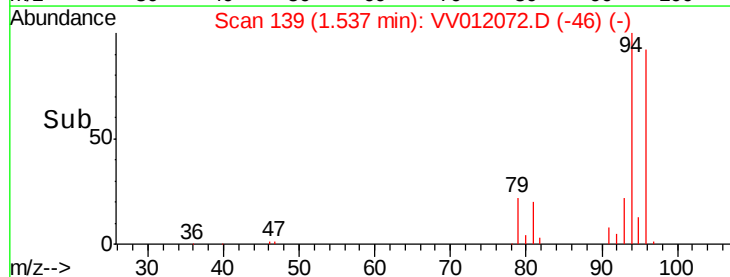
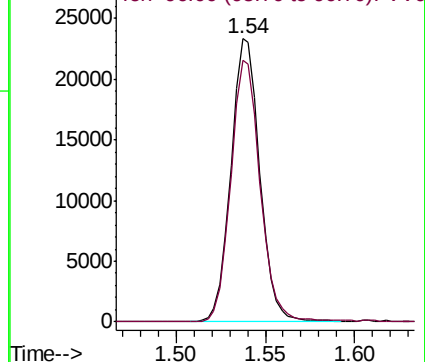
94 100

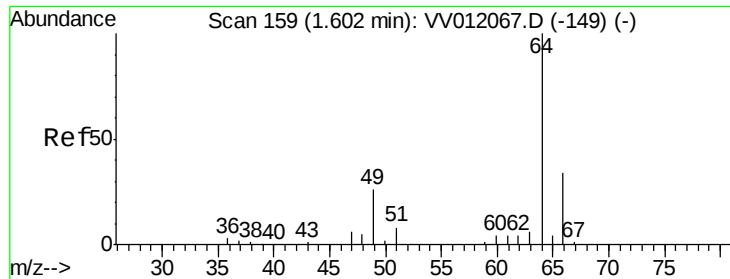
96 92.3 67.8 125.8



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

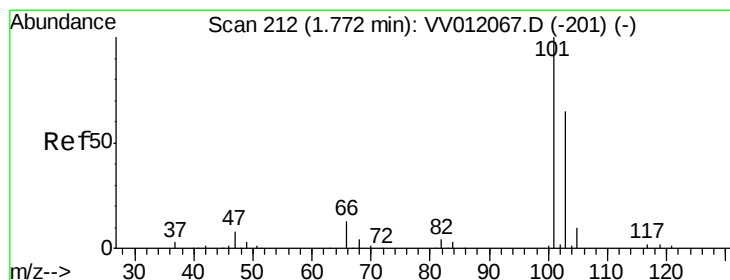
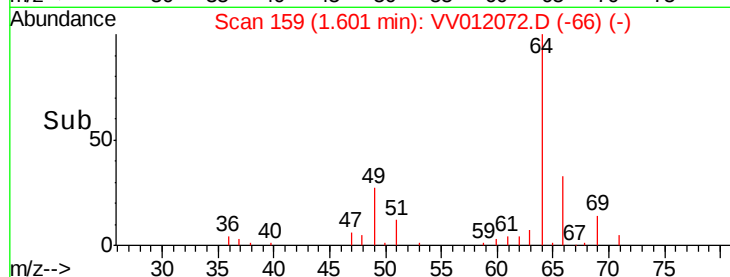
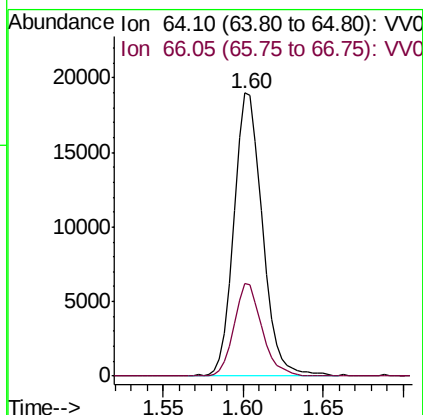
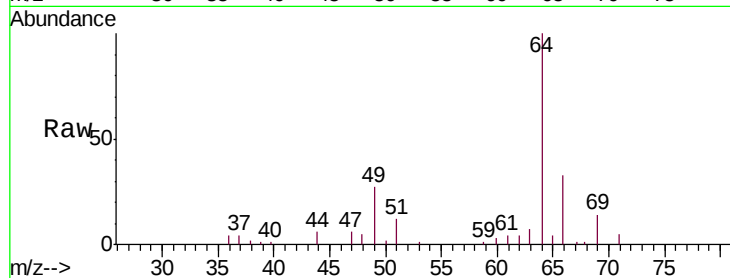




#8
Chloroethane
Concen: 4.567 ug/L
RT: 1.60 min Scan# 159
Delta R.T. -0.00 min
Lab File: VV012072.D
Acq: 30 Jul 2019 15:04

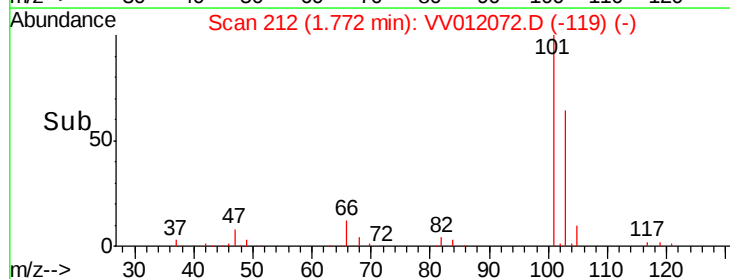
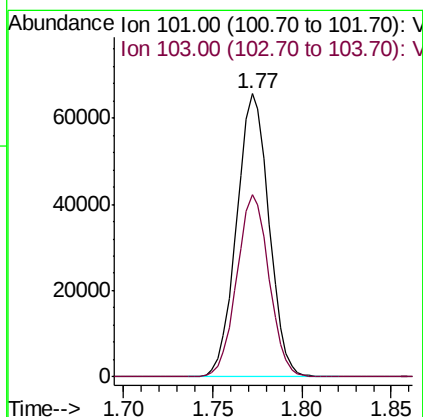
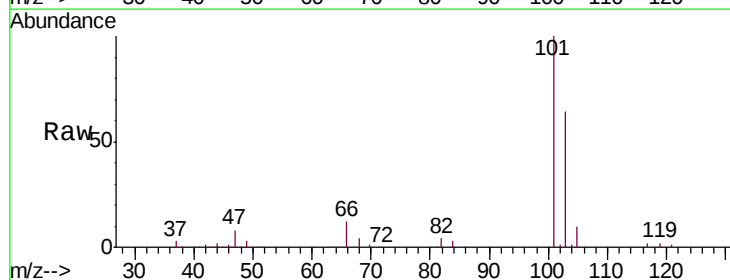
Instrument :
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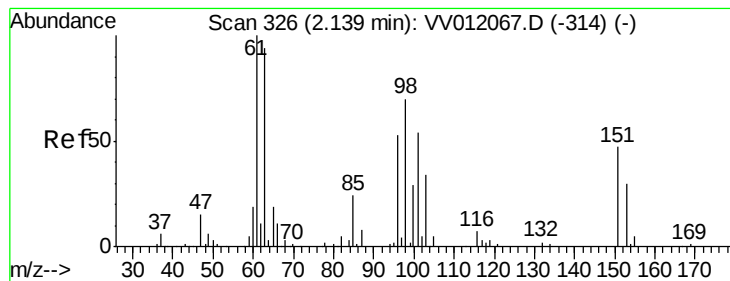
Tgt Ion: 64 Resp: 23011
Ion Ratio Lower Upper
64 100
66 32.8 21.7 40.3



#9
Trichlorofluoromethane
Concen: 5.223 ug/L
RT: 1.77 min Scan# 212
Delta R.T. -0.00 min
Lab File: VV012072.D
Acq: 30 Jul 2019 15:04

Tgt Ion: 101 Resp: 82842
Ion Ratio Lower Upper
101 100
103 64.1 52.6 79.0





#10

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

Concen: 5.124 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV012072.D

Acq: 30 Jul 2019 15:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD00555

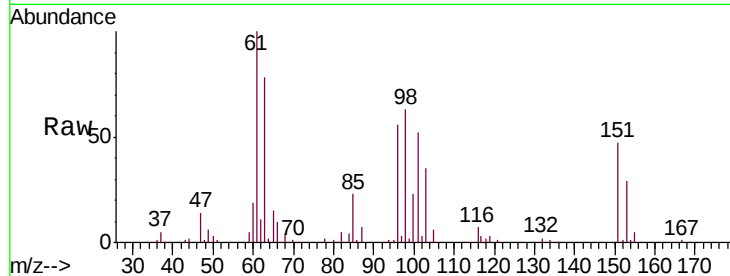
Tgt Ion:101 Resp: 35307

Ion Ratio Lower Upper

101 100

85 42.4 37.8 56.8

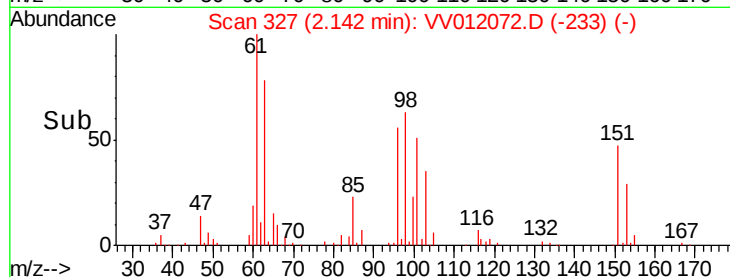
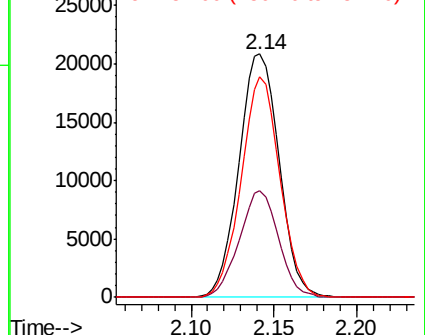
151 87.1 71.4 107.2



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: 4.986 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV012072.D

Acq: 30 Jul 2019 15:04

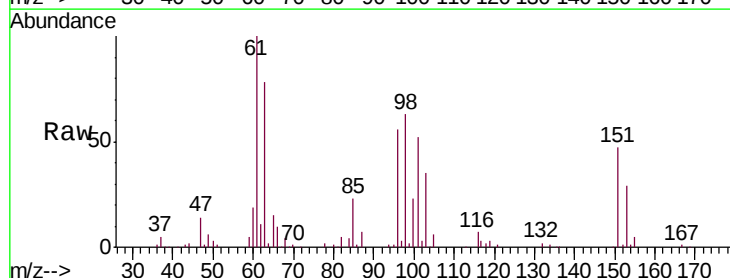
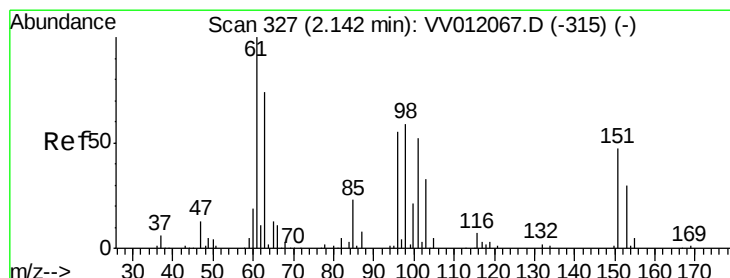
Tgt Ion: 96 Resp: 31822

Ion Ratio Lower Upper

96 100

61 178.4 127.8 237.4

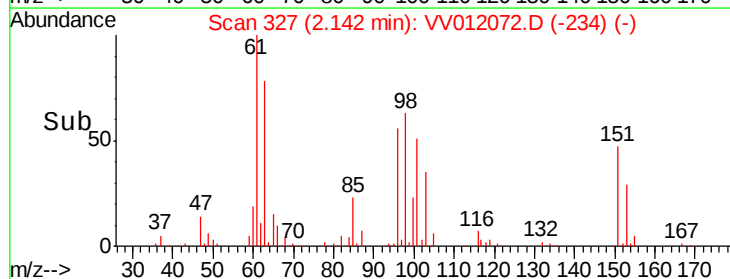
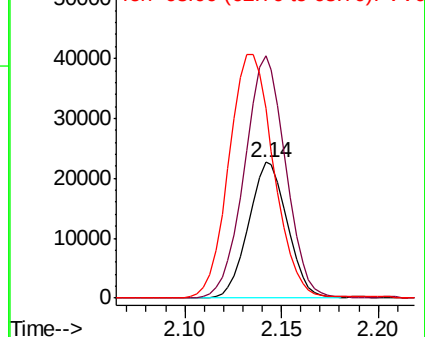
63 139.2 92.7 172.3

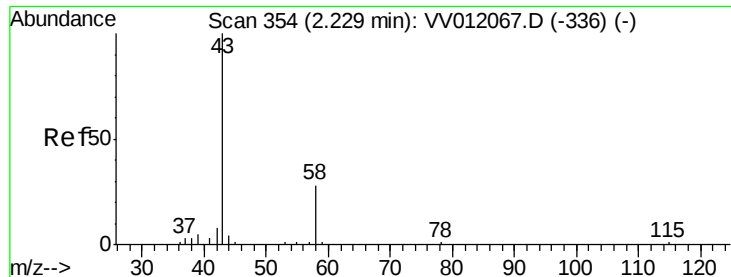


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 50.094 ug/L

RT: 2.23 min Scan# 354

Delta R.T. -0.00 min

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Acq: 30 Jul 2019 15:04

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ClientSampleId :

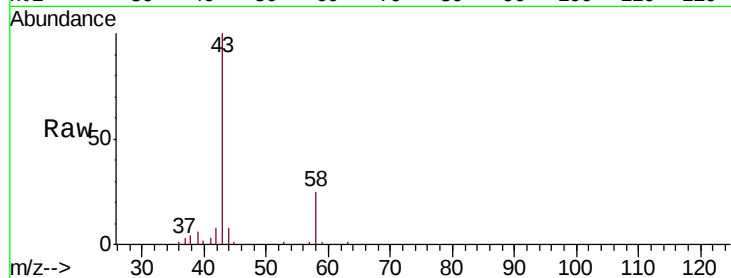
VSTD00555

Tgt Ion: 43 Resp: 49230

Ion Ratio Lower Upper

43 100

58 24.3 0.0 51.6



Abundance Ion 43.05 (42.75 to 43.75): VV012067.D (-336) (-)

Ion 58.05 (57.75 to 58.75): VV012067.D (-336) (-)

2.23

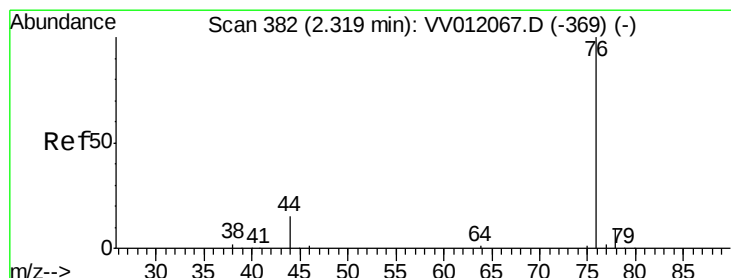
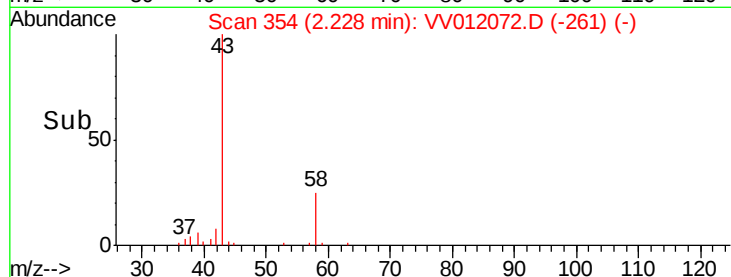
10000

5000

0

Time-->

2.10 2.20 2.30 2.40



#14

Carbon disulfide

Concen: 4.922 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

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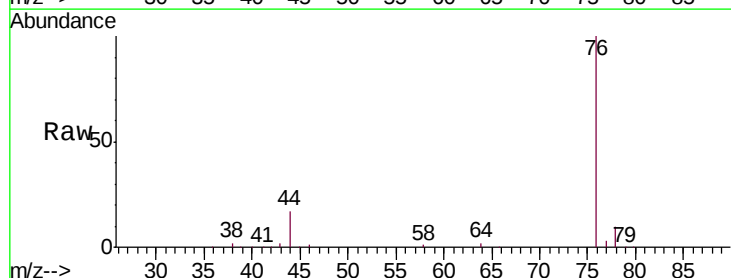
Acq: 30 Jul 2019 15:04

Tgt Ion: 76 Resp: 87710

Ion Ratio Lower Upper

76 100

78 9.7 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VV012067.D (-369) (-)

Ion 78.00 (77.70 to 78.70): VV012067.D (-369) (-)

2.32

60000

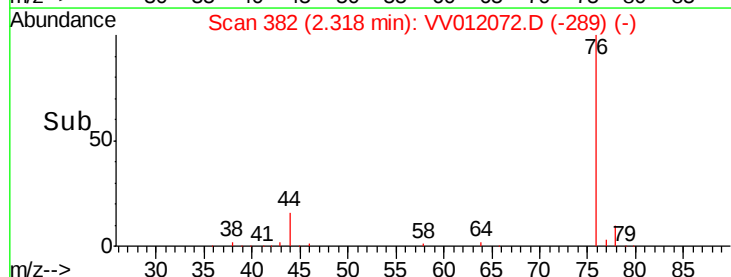
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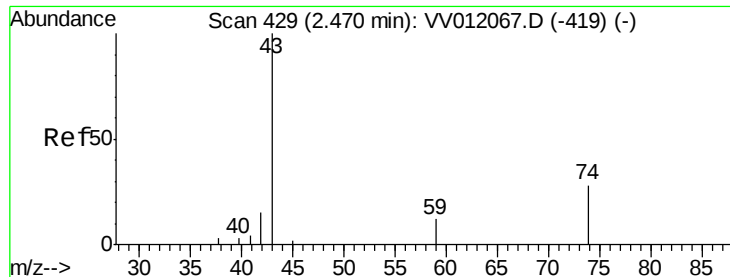
20000

0

Time-->

2.25 2.30 2.35 2.40





#15

Methyl Acetate

Concen: 4.591 ug/L

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VV012072.D

Acq: 30 Jul 2019 15:04

Instrument :

MSVOA_V

ClientSampleId :

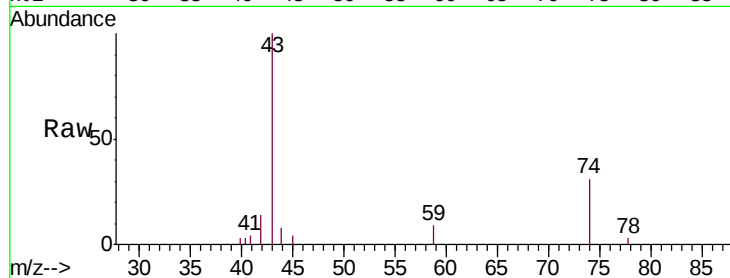
VSTD00555

Tgt Ion: 43 Resp: 9273

Ion Ratio Lower Upper

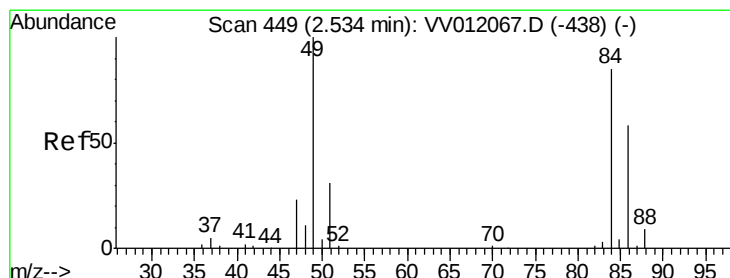
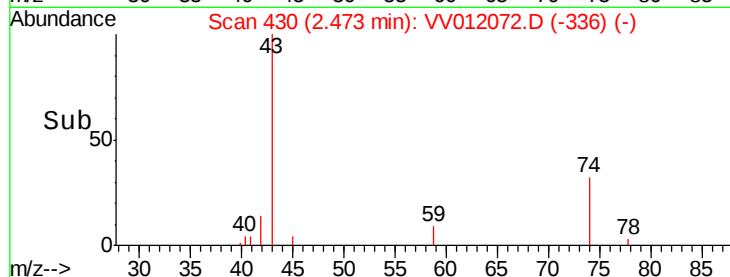
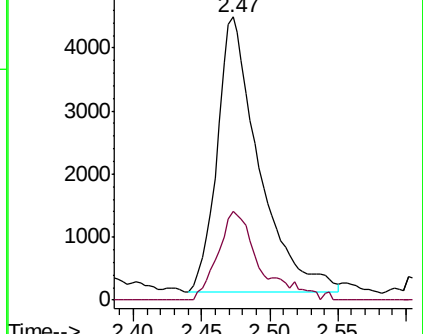
43 100

74 32.3 24.4 36.6



Abundance Ion 43.05 (42.75 to 43.75): VV012072.D (-419) (-)

Ion 74.05 (73.75 to 74.75): VV012072.D (-419) (-)



#16

Methylene chloride

Concen: 4.784 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

Lab File: VV012072.D

Acq: 30 Jul 2019 15:04

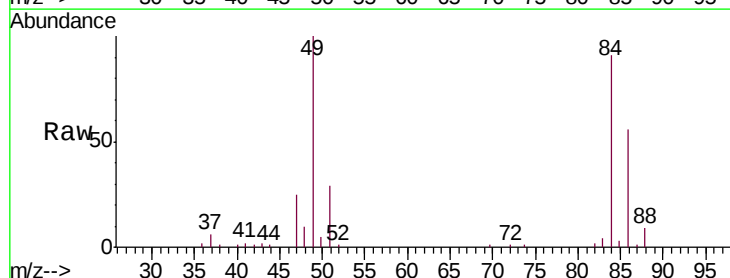
Tgt Ion: 84 Resp: 31314

Ion Ratio Lower Upper

84 100

86 61.7 44.9 83.3

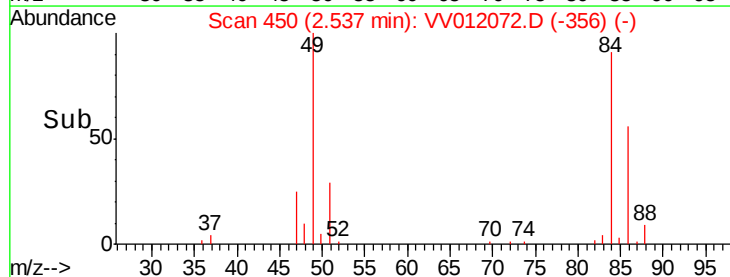
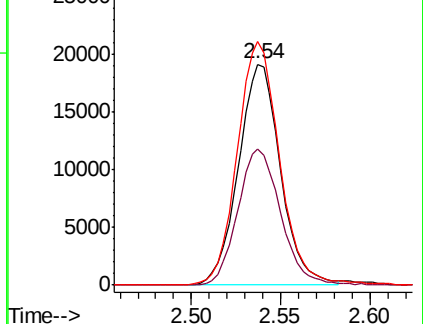
49 110.3 78.6 146.0

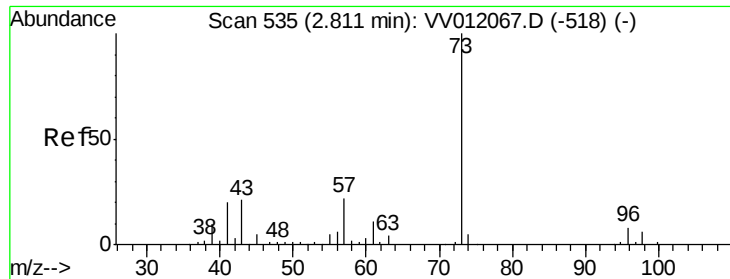


Abundance Ion 84.05 (83.75 to 84.75): VV012072.D (-438) (-)

Ion 86.00 (85.70 to 86.70): VV012072.D (-438) (-)

Ion 49.10 (48.80 to 49.80): VV012072.D (-438) (-)

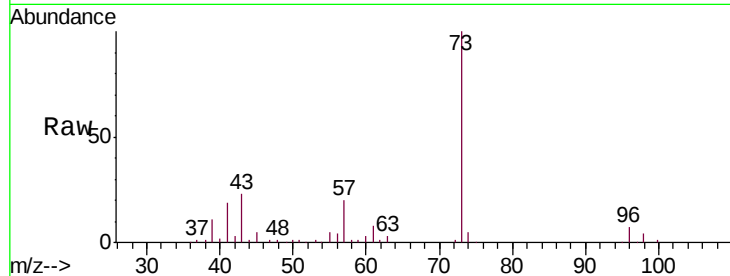




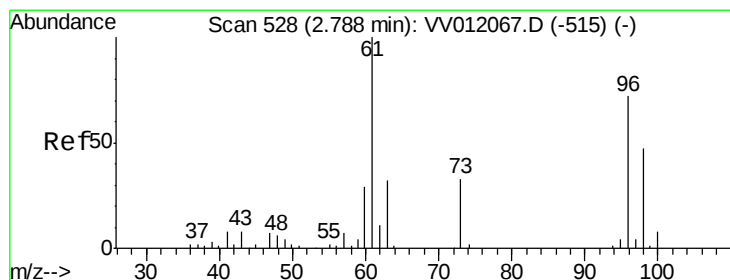
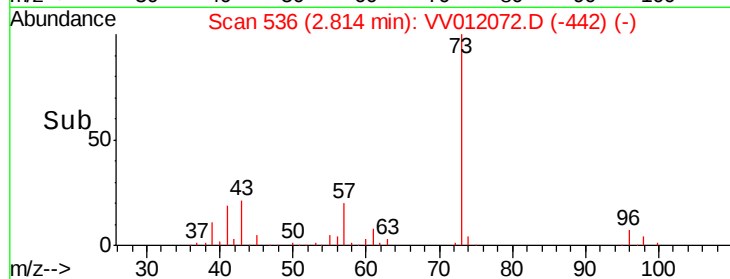
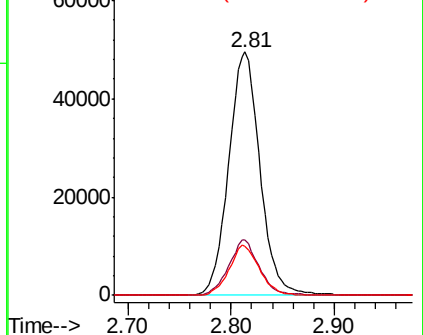
#17
Methyl tert-butyl Ether
Concen: 5.220 ug/L
RT: 2.81 min Scan# 536
Delta R.T. 0.00 min
Lab File: VV012072.D
Acq: 30 Jul 2019 15:04

Instrument :
MSVOA_V
ClientSampleId :
VSTD00555

Tgt Ion: 73 Resp: 104755
Ion Ratio Lower Upper
73 100
43 22.0 17.6 26.4
57 20.0 17.0 25.6

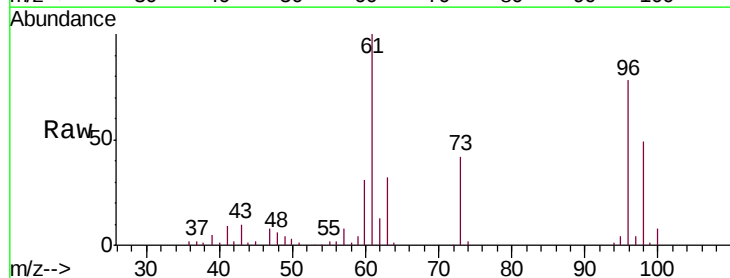


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

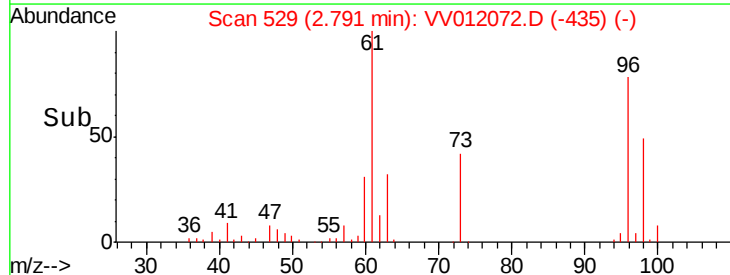
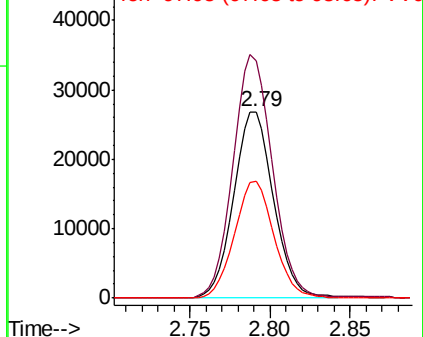


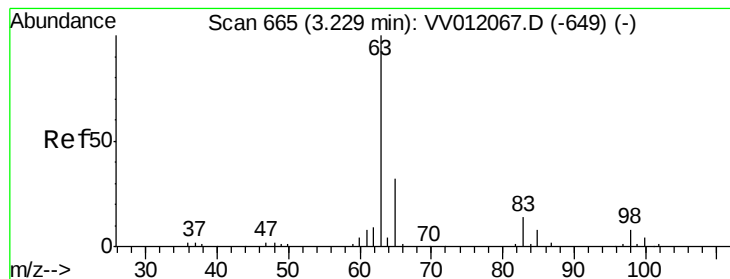
#18
trans-1,2-Dichloroethene
Concen: 4.947 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV012072.D
Acq: 30 Jul 2019 15:04

Tgt Ion: 96 Resp: 45491
Ion Ratio Lower Upper
96 100
61 127.6 97.2 180.6
98 62.9 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: 5.052 ug/L

RT: 3.23 min Scan# 665

Delta R.T. -0.00 min

Lab File: VV012072.D

Acq: 30 Jul 2019 15:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD00555

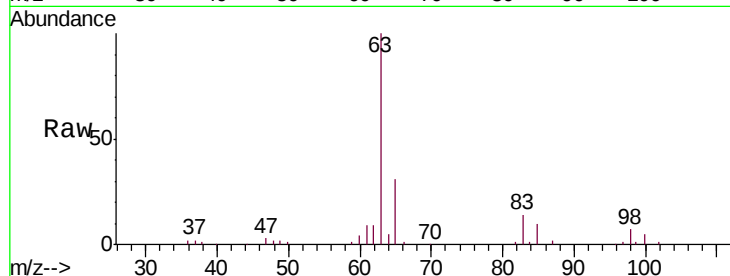
Tgt Ion: 63 Resp: 83088

Ion Ratio Lower Upper

63 100

65 31.0 23.0 42.6

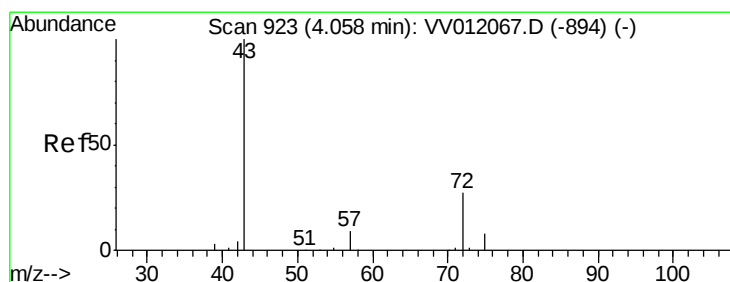
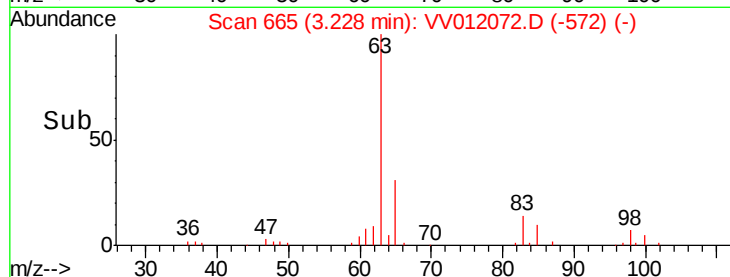
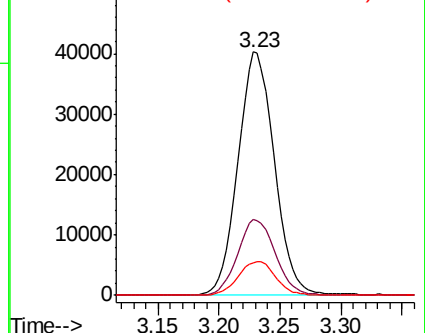
83 13.5 9.7 17.9



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0



#21

2-Butanone

Concen: 49.882 ug/L

RT: 4.05 min Scan# 922

Delta R.T. -0.00 min

Lab File: VV012072.D

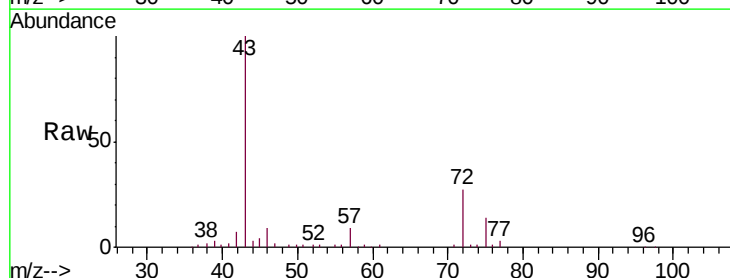
Acq: 30 Jul 2019 15:04

Tgt Ion: 43 Resp: 96724

Ion Ratio Lower Upper

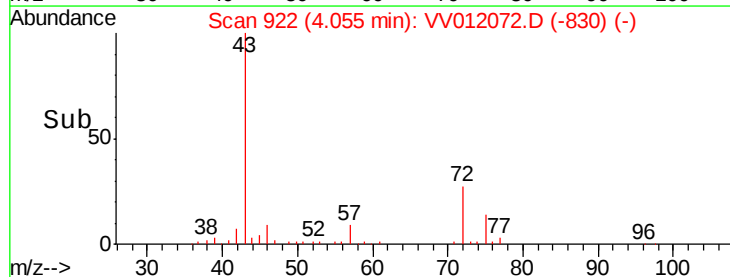
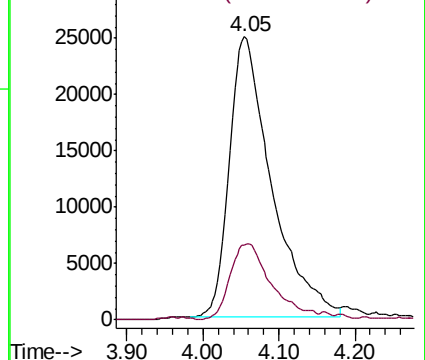
43 100

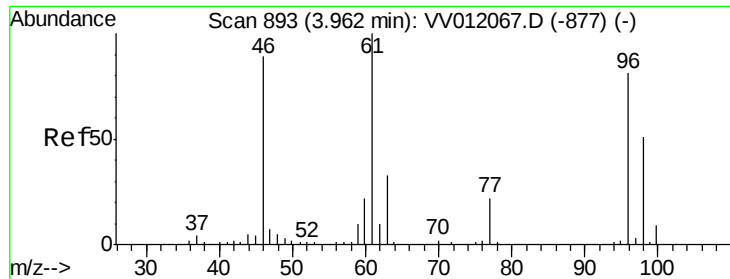
72 26.7 13.4 40.2



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 72.10 (71.80 to 72.80): VV0



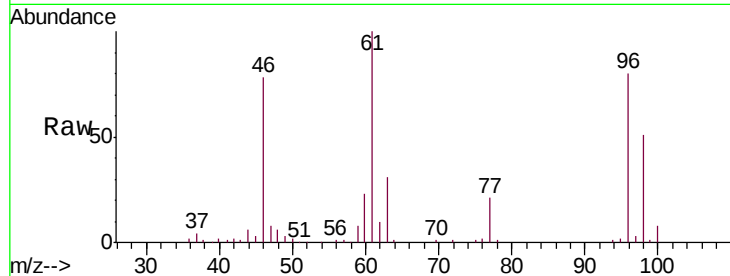


#22

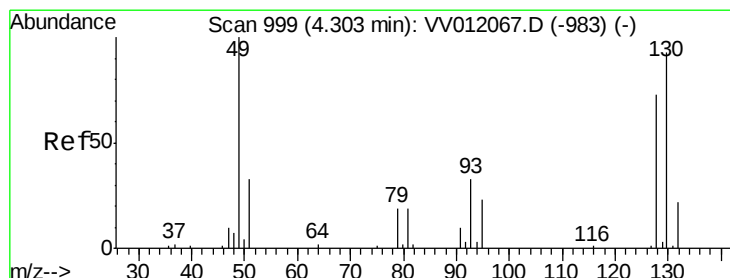
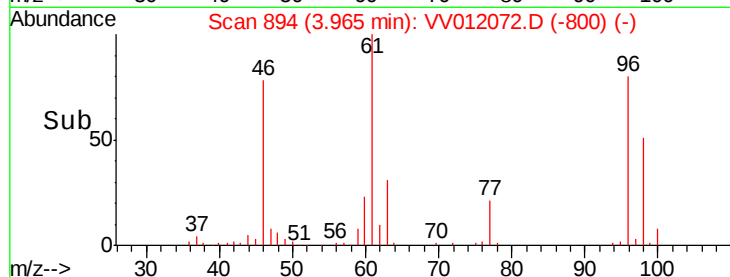
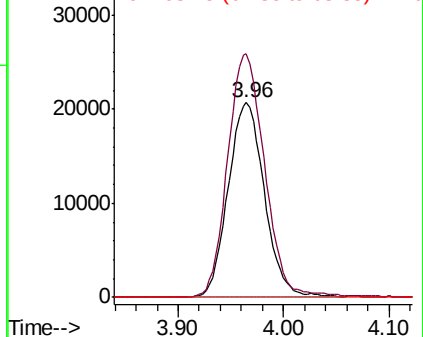
cis-1,2-Dichloroethene
 Concen: 5.046 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. 0.00 min
 Lab File: VV012072.D
 Acq: 30 Jul 2019 15:04

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00555

Tgt Ion: 96 Resp: 49416
 Ion Ratio Lower Upper
 96 100
 61 125.0 90.0 167.2
 68 0.0 0.0 0.0



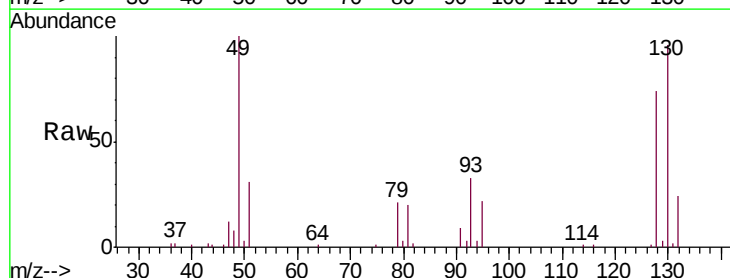
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



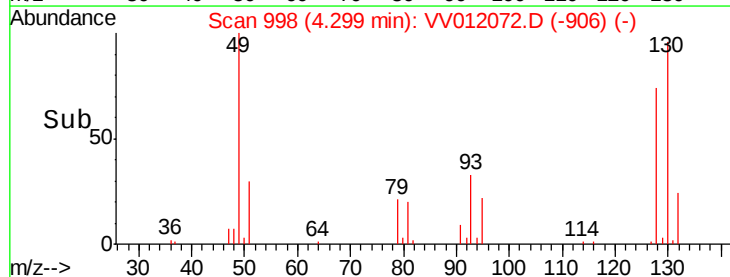
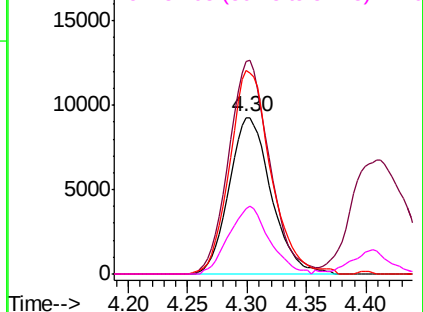
#23

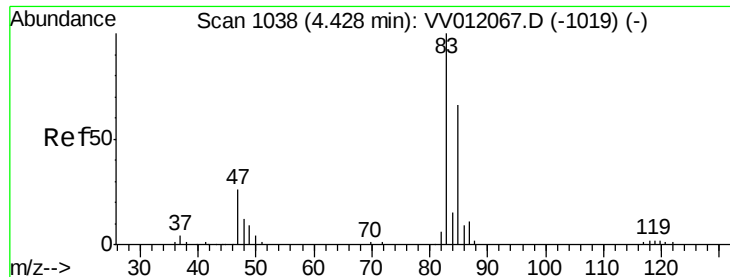
Bromochloromethane
 Concen: 5.283 ug/L
 RT: 4.30 min Scan# 998
 Delta R.T. -0.00 min
 Lab File: VV012072.D
 Acq: 30 Jul 2019 15:04

Tgt Ion: 128 Resp: 22693
 Ion Ratio Lower Upper
 128 100
 49 135.7 105.1 195.1
 130 129.6 88.9 165.1
 51 41.5 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

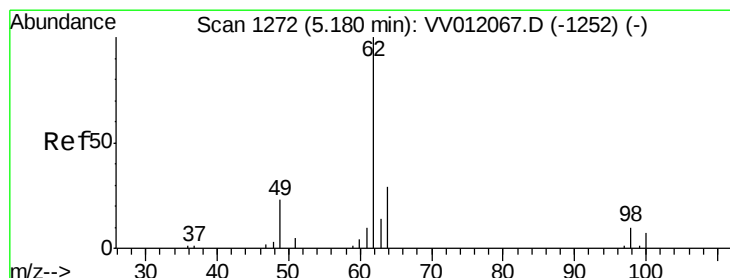
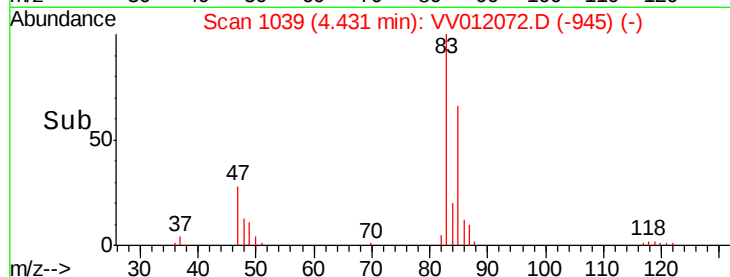
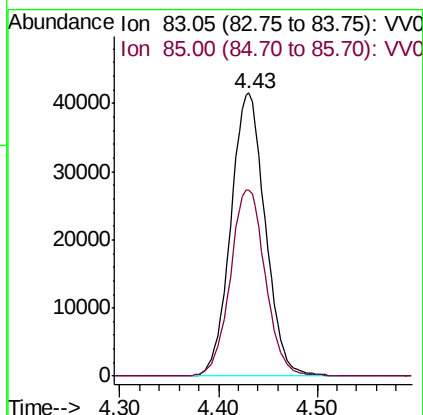
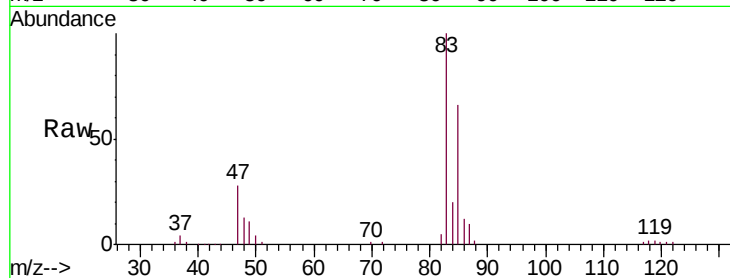




#25
Chloroform
Concen: 4.887 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. 0.00 min
Lab File: VV012072.D
Acq: 30 Jul 2019 15:04

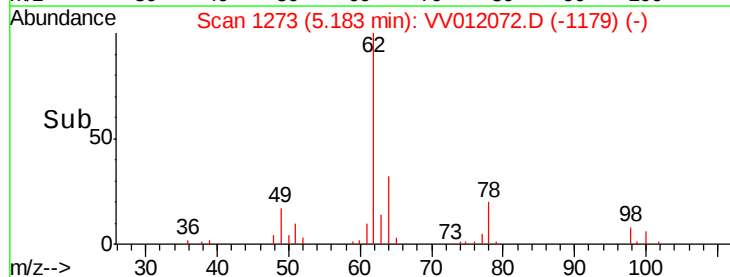
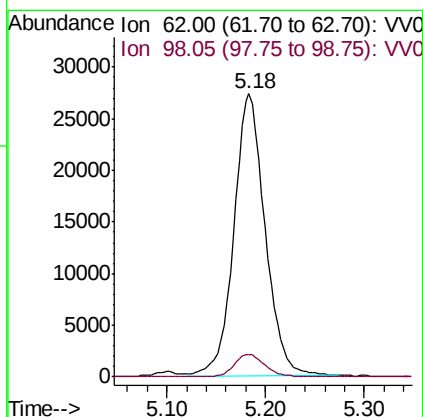
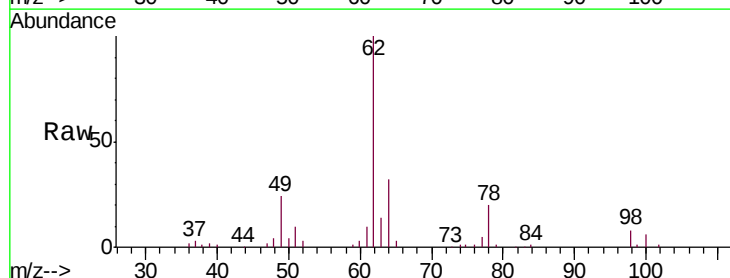
Instrument :
MSVOA_V
ClientSampleId :
VSTD00555

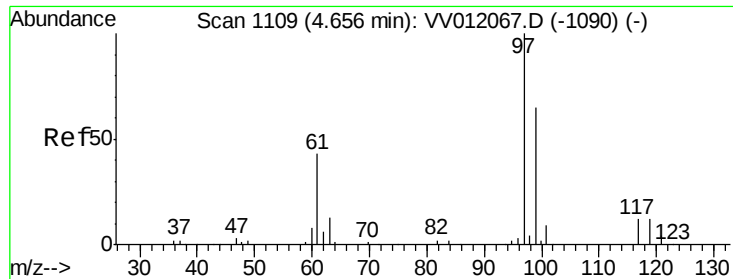
Tgt Ion: 83 Resp: 100776
Ion Ratio Lower Upper
83 100
85 65.9 45.2 84.0



#27
1,2-Dichloroethane
Concen: 5.290 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VV012072.D
Acq: 30 Jul 2019 15:04

Tgt Ion: 62 Resp: 60201
Ion Ratio Lower Upper
62 100
98 8.0 7.0 10.6

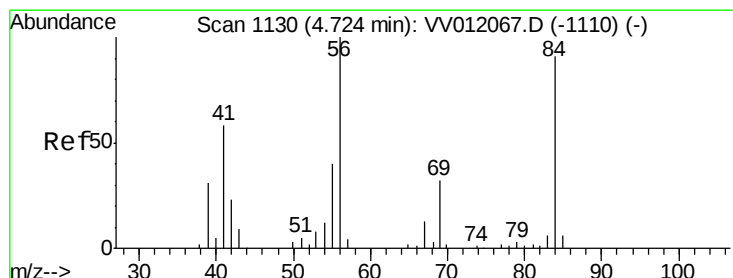
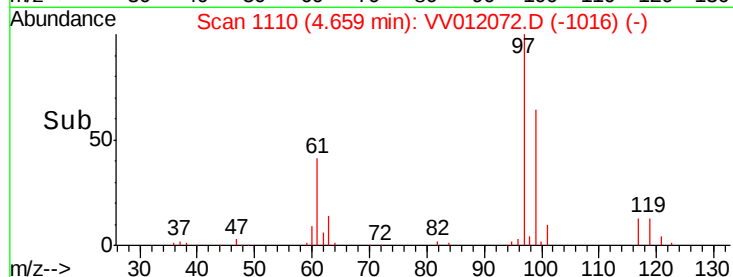
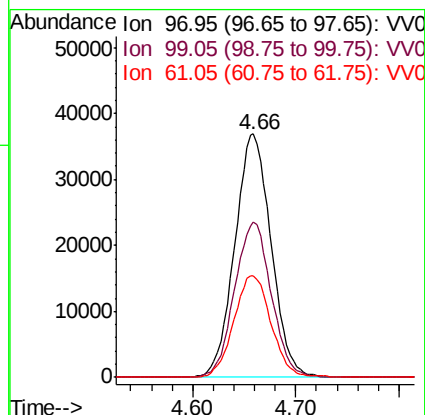
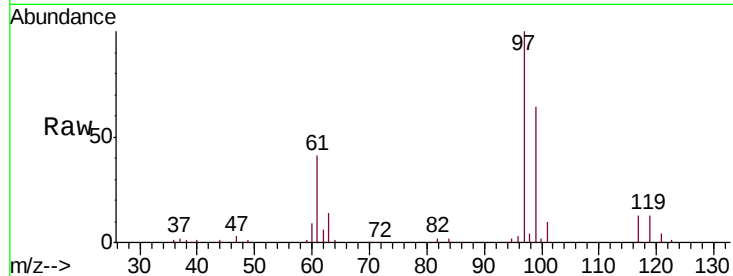




#29
 1,1,1-Trichloroethane
 Concen: 5.562 ug/L
 RT: 4.66 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VV012072.D
 Acq: 30 Jul 2019 15:04

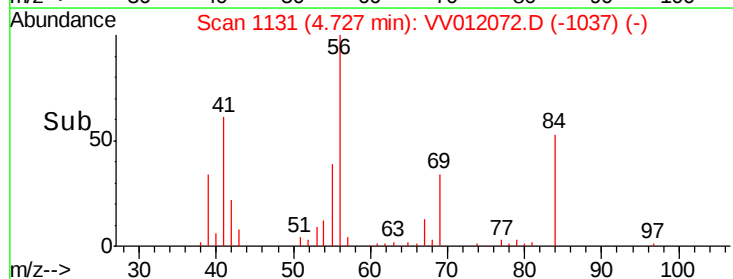
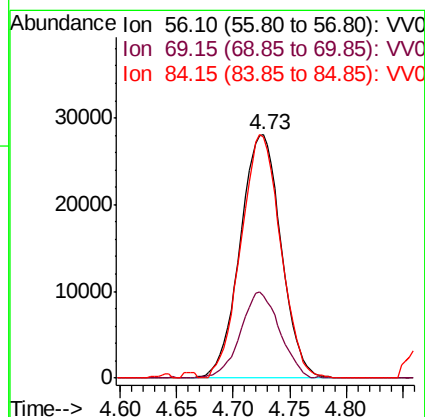
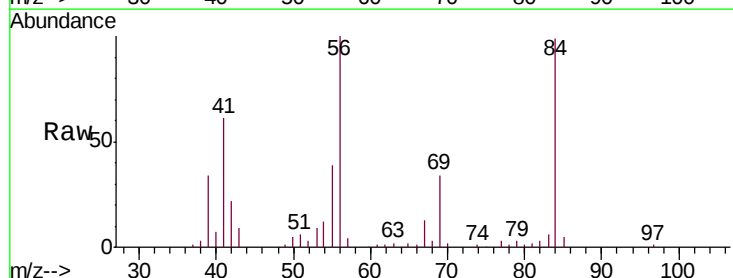
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00555

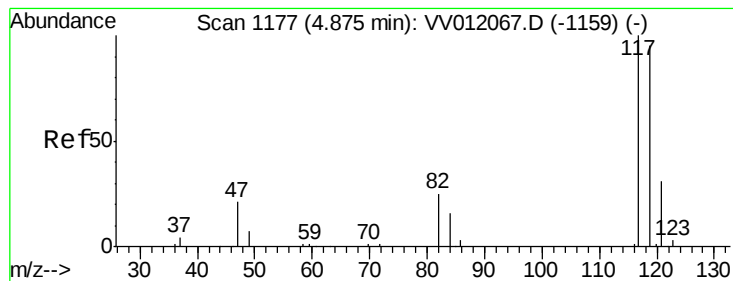
Tgt Ion: 97 Resp: 90501
 Ion Ratio Lower Upper
 97 100
 99 64.2 51.8 77.8
 61 42.9 34.5 51.7



#30
 Cyclohexane
 Concen: 5.081 ug/L
 RT: 4.73 min Scan# 1131
 Delta R.T. 0.00 min
 Lab File: VV012072.D
 Acq: 30 Jul 2019 15:04

Tgt Ion: 56 Resp: 70724
 Ion Ratio Lower Upper
 56 100
 69 33.7 24.8 37.2
 84 96.9 75.4 113.2





#31

Carbon tetrachloride

Concen: 5.644 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VV012072.D

Acq: 30 Jul 2019 15:04

Instrument :

MSVOA_V

ClientSampleId :

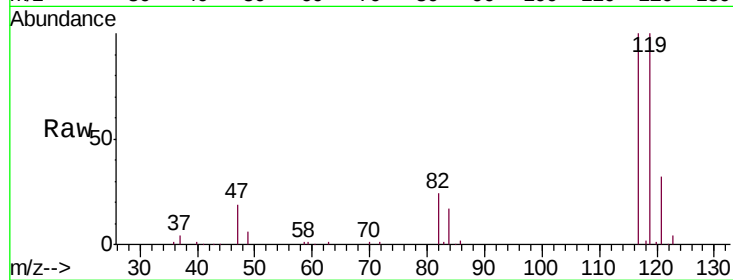
VSTD00555

Tgt Ion:117 Resp: 82641

Ion Ratio Lower Upper

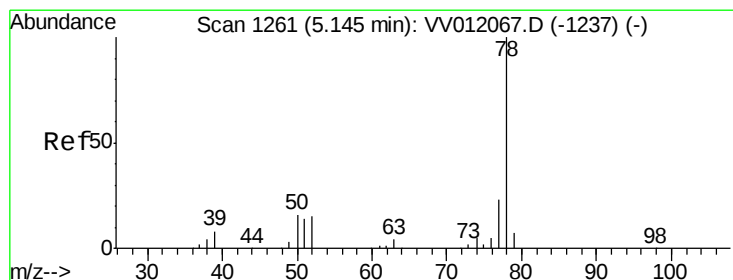
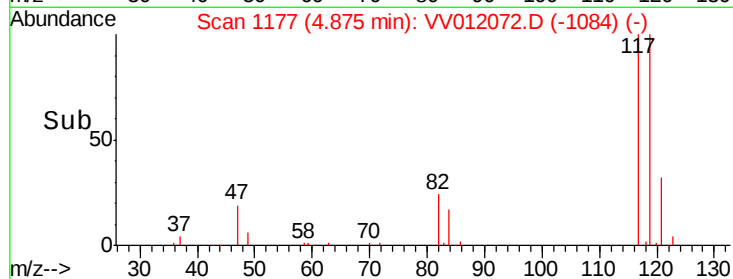
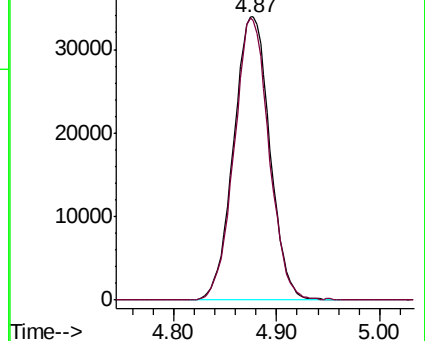
117 100

119 95.8 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: 5.253 ug/L

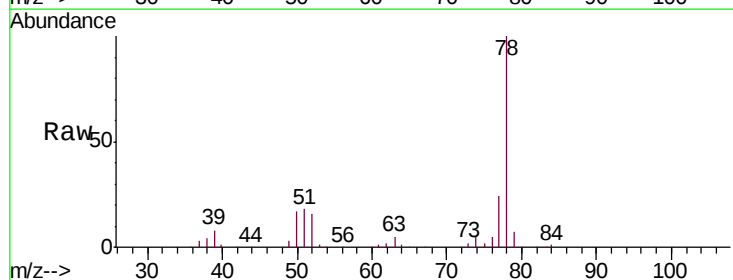
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

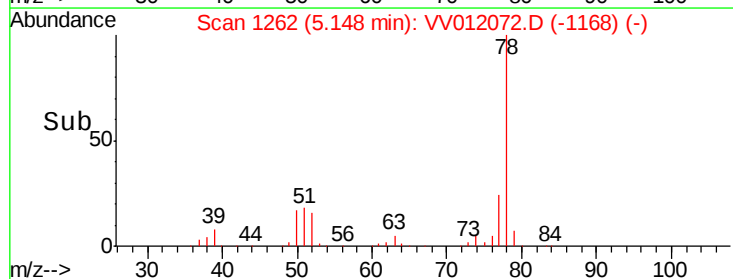
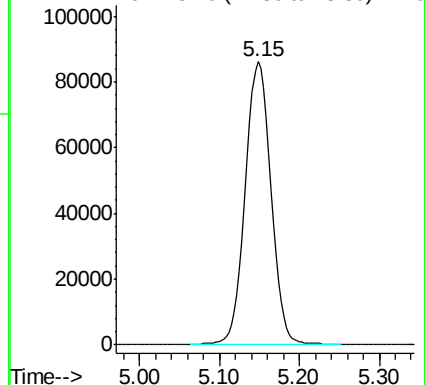
Lab File: VV012072.D

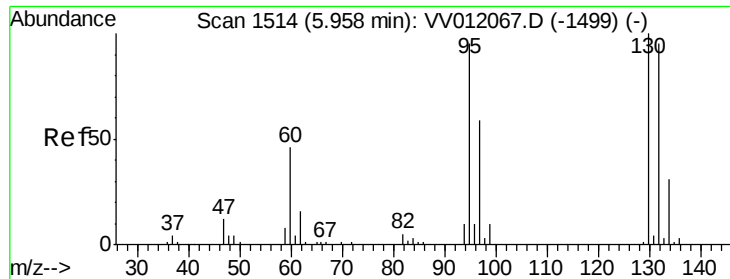
Acq: 30 Jul 2019 15:04

Tgt Ion: 78 Resp: 187814



Abundance Ion 78.10 (77.80 to 78.80): VV0

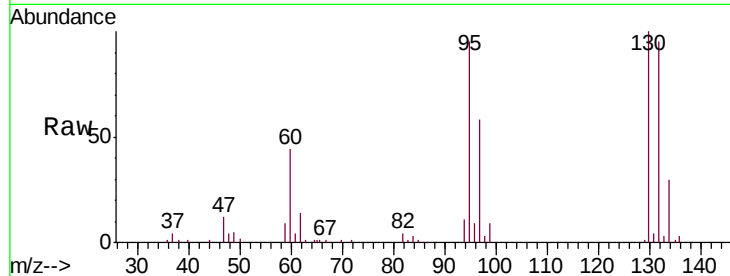




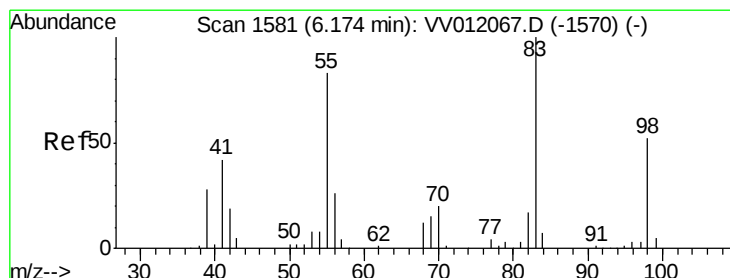
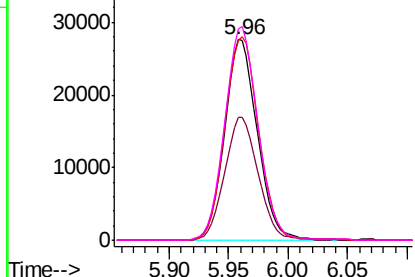
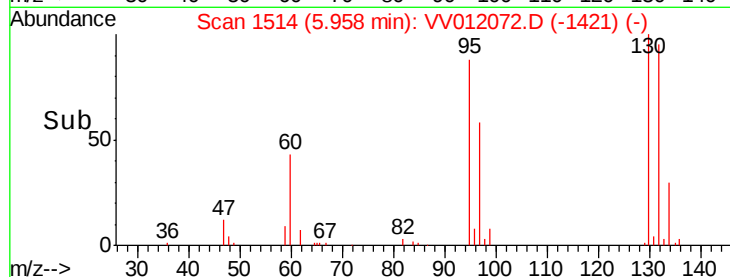
#34
 Trichloroethene
 Concen: 5.162 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. -0.00 min
 Lab File: VV012072.D
 Acq: 30 Jul 2019 15:04

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00555

Tgt Ion: 95 Resp: 52641
 Ion Ratio Lower Upper
 95 100
 97 61.0 42.8 79.6
 132 99.9 70.8 131.6
 130 105.6 72.3 134.3

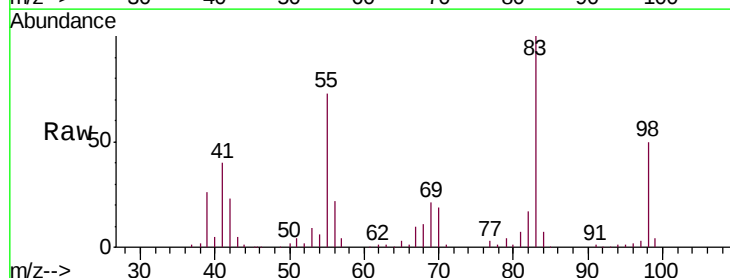


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

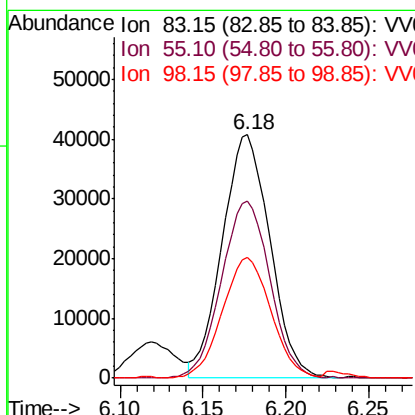
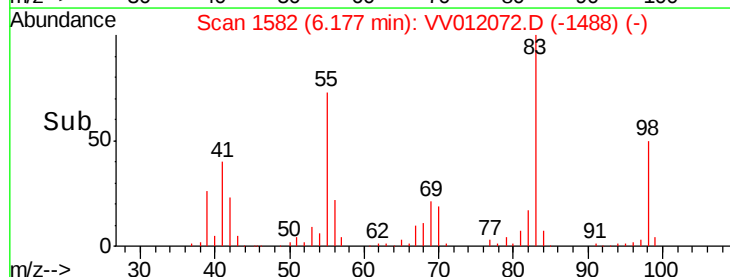


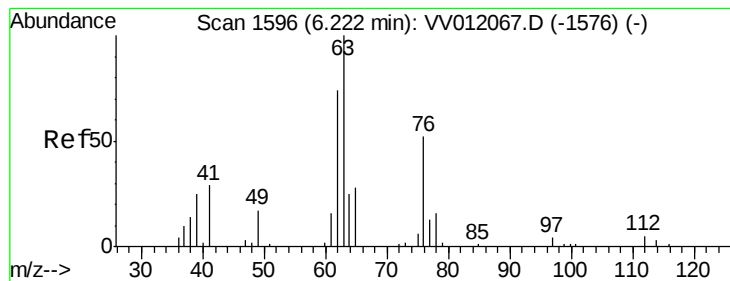
#35
 Methylcyclohexane
 Concen: 5.103 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. 0.00 min
 Lab File: VV012072.D
 Acq: 30 Jul 2019 15:04

Tgt Ion: 83 Resp: 81526
 Ion Ratio Lower Upper
 83 100
 55 74.0 60.1 90.1
 98 50.4 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: 5.224 ug/L

RT: 6.22 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VV012072.D

Acq: 30 Jul 2019 15:04

Instrument :

MSVOA_V

ClientSampleId :

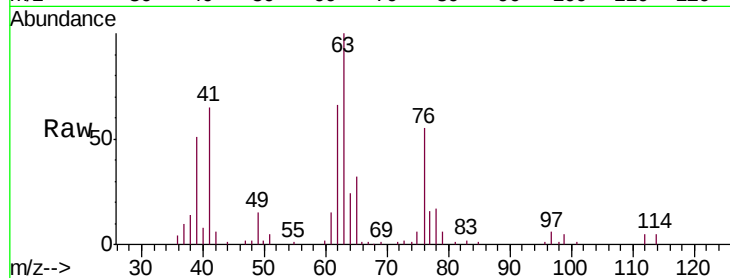
VSTD00555

Tgt Ion: 63 Resp: 43212

Ion Ratio Lower Upper

63 100

112 5.6 3.8 5.6



Abundance Ion 63.10 (62.80 to 63.80): VV012067.D (-1576) (-)

Ion 112.10 (111.80 to 112.80): VV012067.D (-1576) (-)

6.22

25000

20000

15000

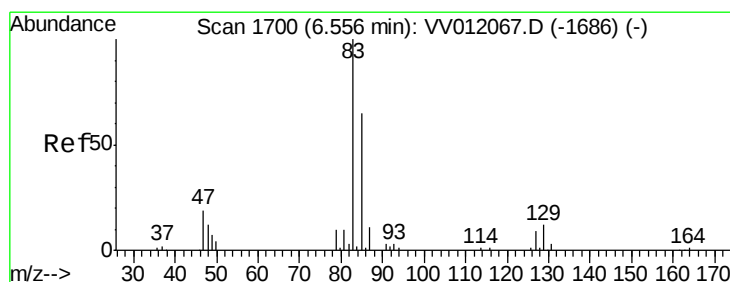
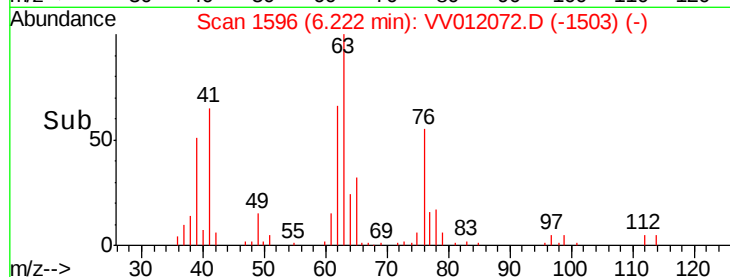
10000

5000

0

6.15 6.20 6.25 6.30

Time-->



#38

Bromodichloromethane

Concen: 5.349 ug/L

RT: 6.56 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VV012072.D

Acq: 30 Jul 2019 15:04

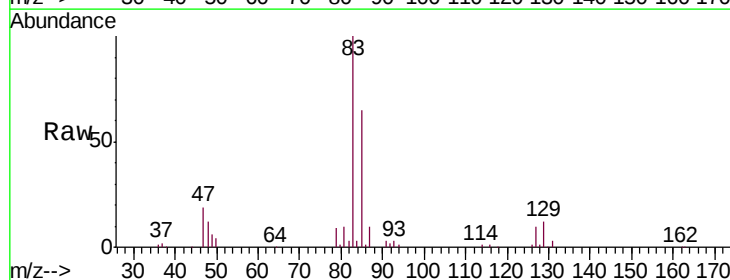
Tgt Ion: 83 Resp: 62473

Ion Ratio Lower Upper

83 100

85 65.0 43.9 81.5

127 9.5 6.9 10.3



Abundance Ion 82.95 (82.65 to 83.65): VV012067.D (-1686) (-)

Ion 85.00 (84.70 to 85.70): VV012067.D (-1686) (-)

Ion 126.90 (126.60 to 127.60): VV012067.D (-1686) (-)

6.56

40000

30000

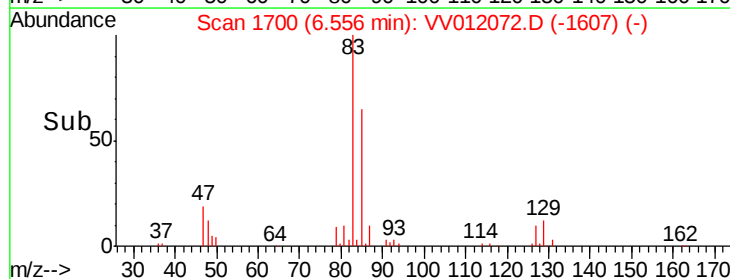
20000

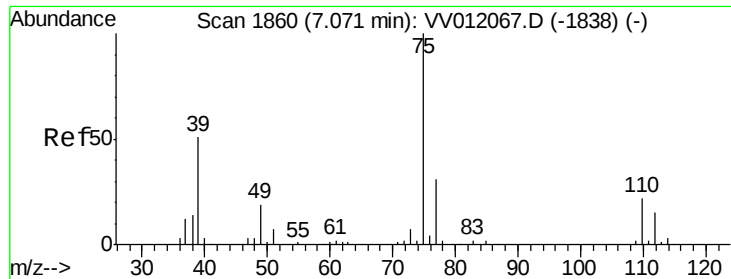
10000

0

6.45 6.50 6.55 6.60 6.65

Time-->

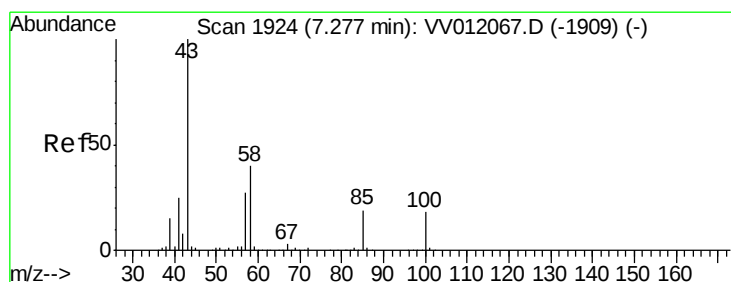
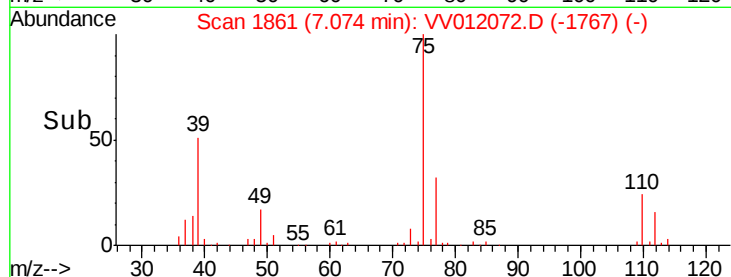
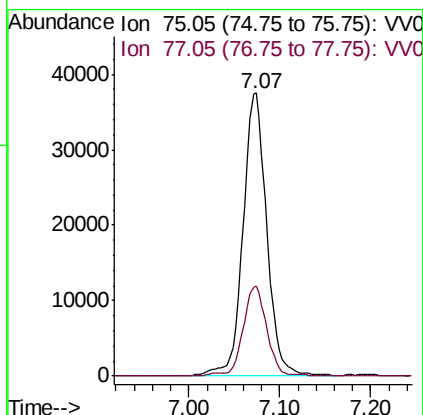
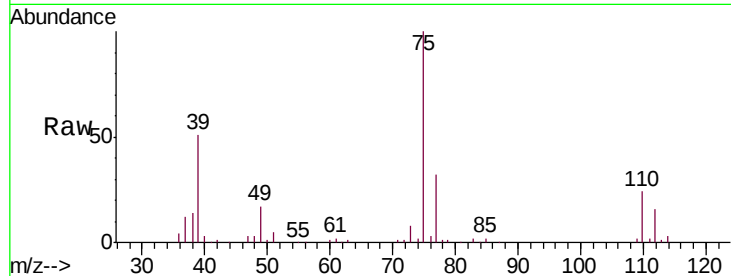




#39
 cis-1,3-Dichloropropene
 Concen: 5.269 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VV012072.D
 Acq: 30 Jul 2019 15:04

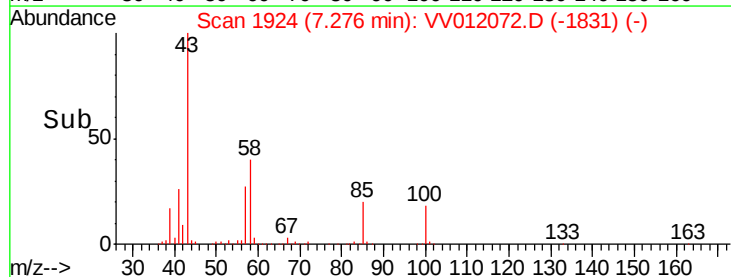
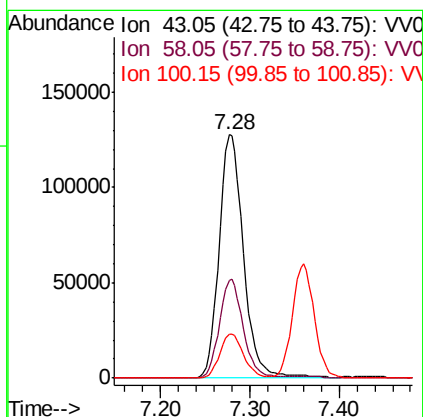
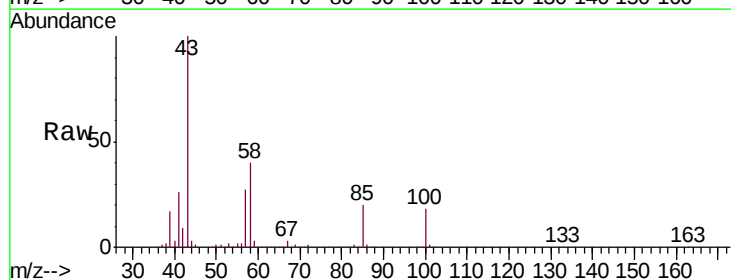
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00555

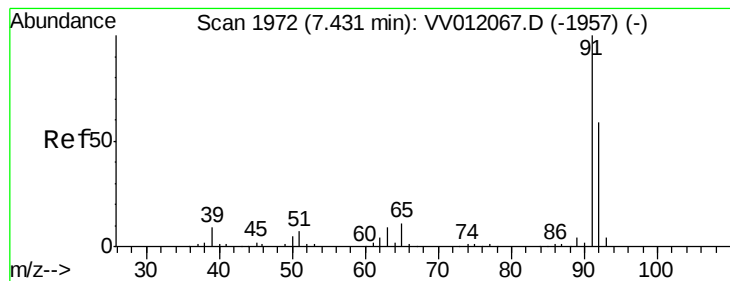
Tgt Ion: 75 Resp: 68341
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.4 41.6



#40
 4-Methyl-2-pentanone
 Concen: 51.909 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. -0.00 min
 Lab File: VV012072.D
 Acq: 30 Jul 2019 15:04

Tgt Ion: 43 Resp: 242218
 Ion Ratio Lower Upper
 43 100
 58 39.5 31.9 47.9
 100 17.6 14.0 21.0





#42

Toluene

Concen: 5.275 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV012072.D

Acq: 30 Jul 2019 15:04

Instrument :

MSVOA_V

ClientSampleId :

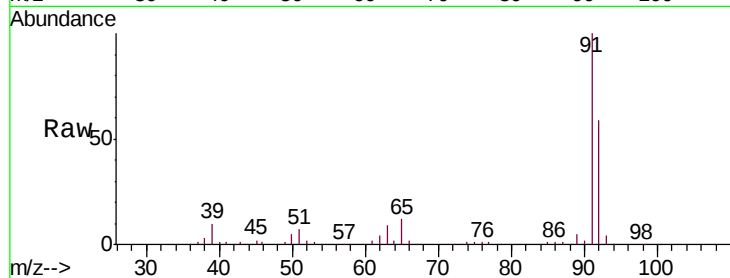
VSTD00555

Tgt Ion: 91 Resp: 209729

Ion Ratio Lower Upper

91 100

92 58.6 41.3 76.7



Abundance Ion 91.15 (90.85 to 91.85): VV012067.D (-1957) (-)

Ion 92.15 (91.85 to 92.85): VV012067.D (-1957) (-)

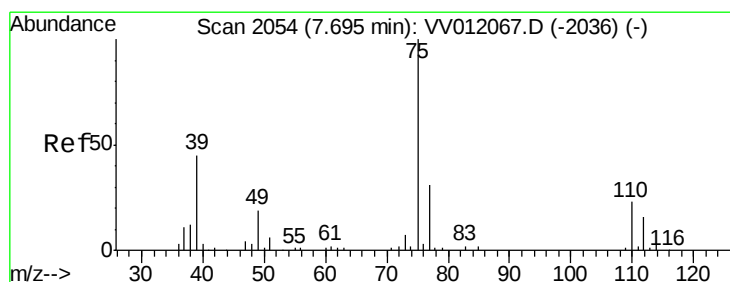
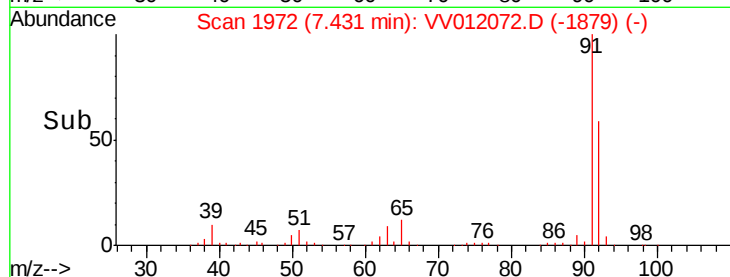
7.43

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.312 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. -0.00 min

Lab File: VV012072.D

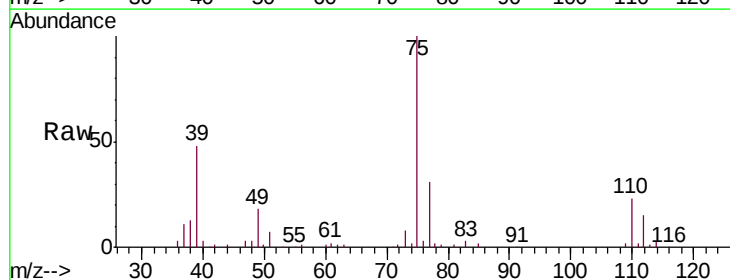
Acq: 30 Jul 2019 15:04

Tgt Ion: 75 Resp: 55706

Ion Ratio Lower Upper

75 100

77 31.4 21.6 40.0



Abundance Ion 75.05 (74.75 to 75.75): VV012067.D (-2036) (-)

Ion 77.05 (76.75 to 77.75): VV012067.D (-2036) (-)

7.69

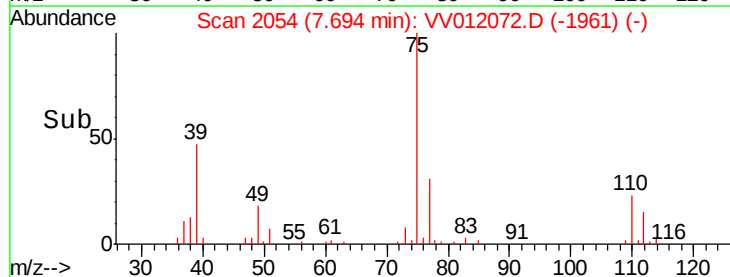
30000

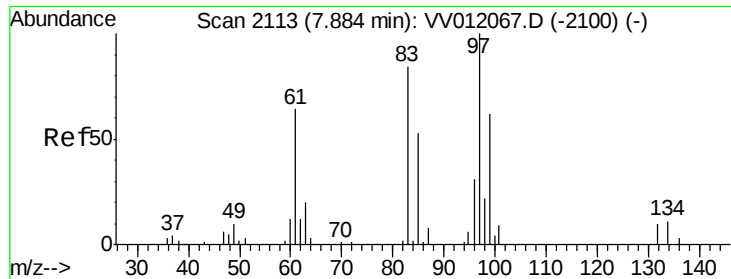
20000

10000

0

Time-->

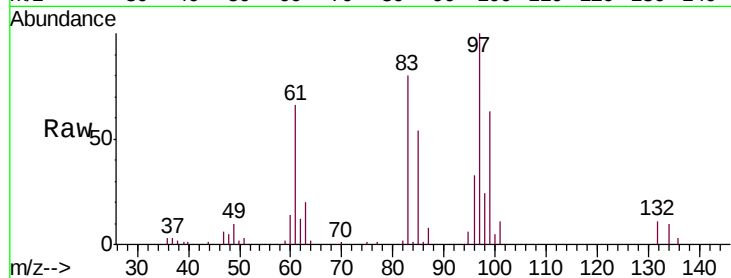




#45
 1,1,2-Trichloroethane
 Concen: 5.088 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VV012072.D
 Acq: 30 Jul 2019 15:04

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00555

Tgt Ion:	97	Resp:	32098
Ion	Ratio	Lower	Upper
97	100		
99	62.7	42.0	78.0
83	79.7	57.6	107.0
85	53.5	34.6	64.2



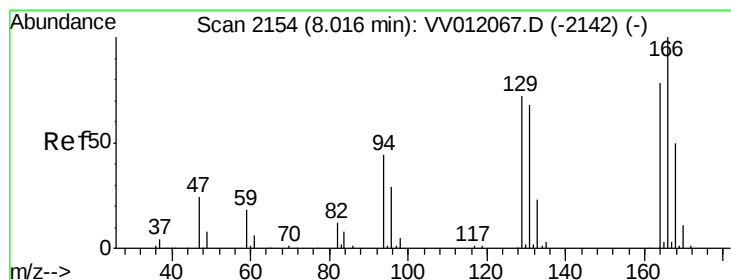
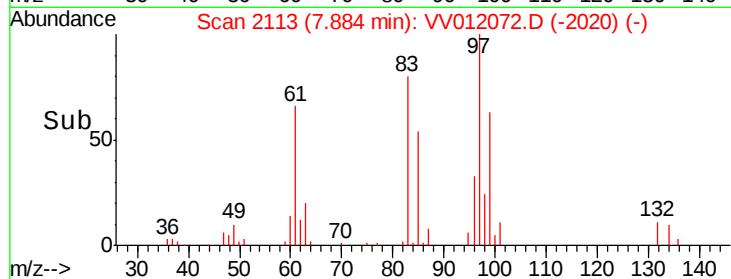
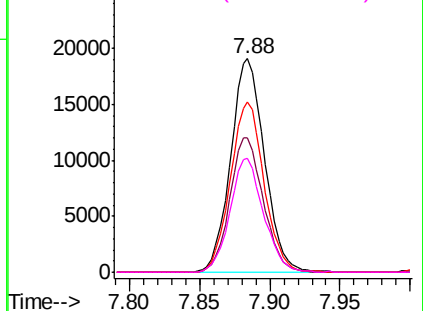
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

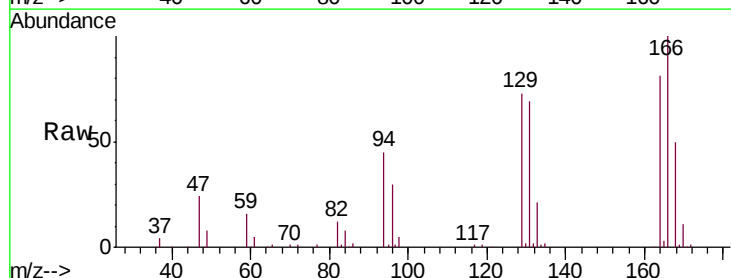
Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47
 Tetrachloroethene
 Concen: 5.454 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV012072.D
 Acq: 30 Jul 2019 15:04

Tgt Ion:	164	Resp:	48599
Ion	Ratio	Lower	Upper
164	100		
129	89.4	61.9	114.9
131	84.9	59.4	110.4
166	122.9	89.6	166.4



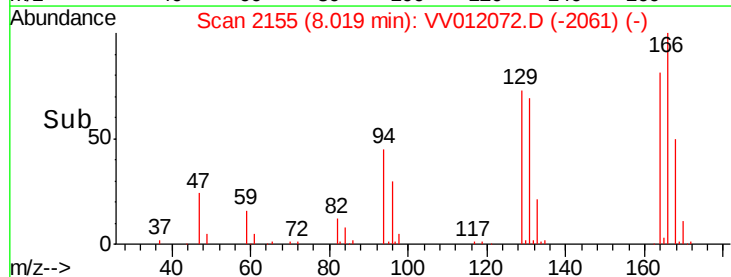
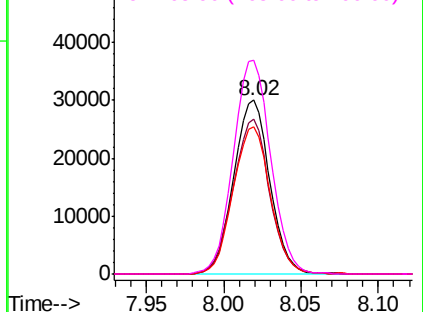
Abundance

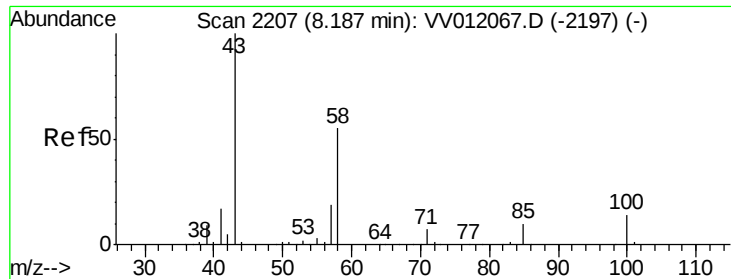
Ion 163.90 (163.60 to 164.60): V

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

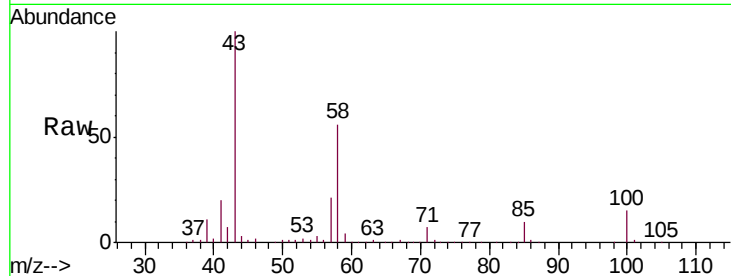




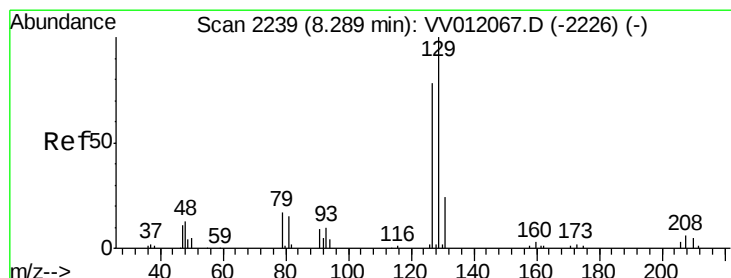
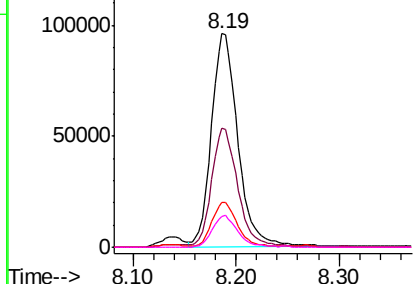
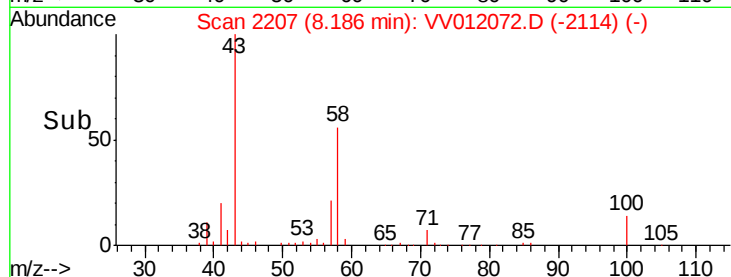
#48
2-Hexanone
Concen: 51.650 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. -0.00 min
Lab File: VV012072.D
Acq: 30 Jul 2019 15:04

Instrument :
MSVOA_V
ClientSampleId :
VSTD00555

Tgt Ion: 43 Resp: 170332
Ion Ratio Lower Upper
43 100
58 55.3 44.1 66.1
57 20.6 16.1 24.1
100 14.4 11.3 16.9

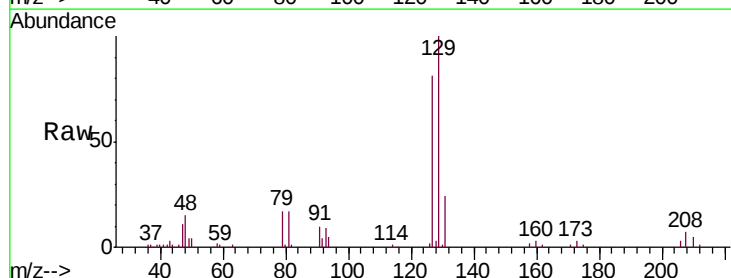


Abundance Ion 43.05 (42.75 to 43.75): VV012072.D (-2114) (-)
Ion 58.05 (57.75 to 58.75): VV012072.D (-2114) (-)
Ion 57.20 (56.90 to 57.90): VV012072.D (-2114) (-)
Ion 100.15 (99.85 to 100.85): VV012072.D (-2114) (-)

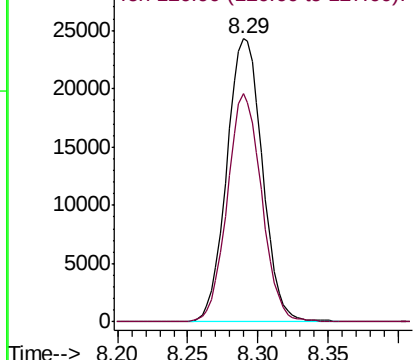
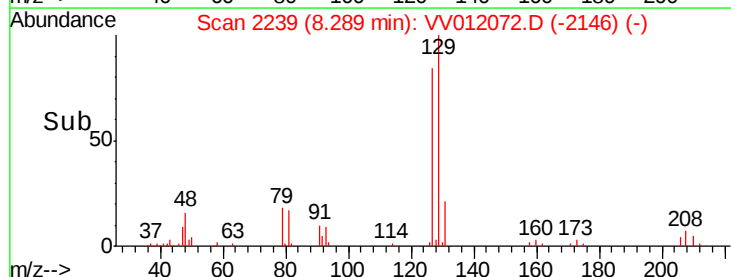


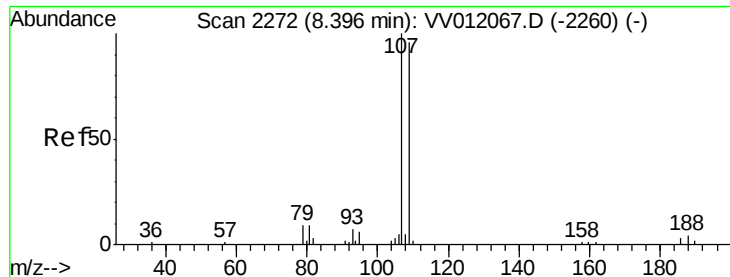
#49
Dibromochloromethane
Concen: 5.545 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV012072.D
Acq: 30 Jul 2019 15:04

Tgt Ion: 129 Resp: 42887
Ion Ratio Lower Upper
129 100
127 80.6 55.4 102.8



Abundance Ion 128.95 (128.65 to 129.65): VV012072.D (-2146) (-)
Ion 126.90 (126.60 to 127.60): VV012072.D (-2146) (-)

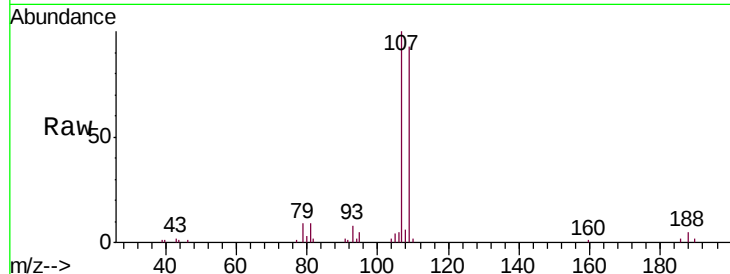




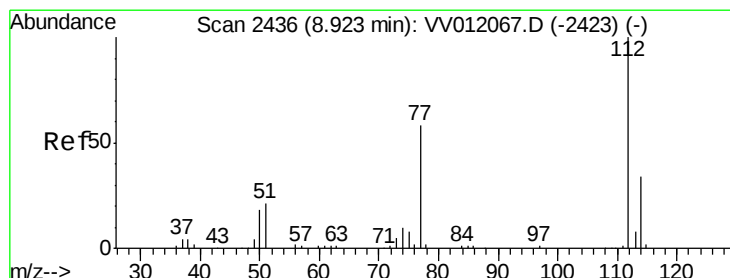
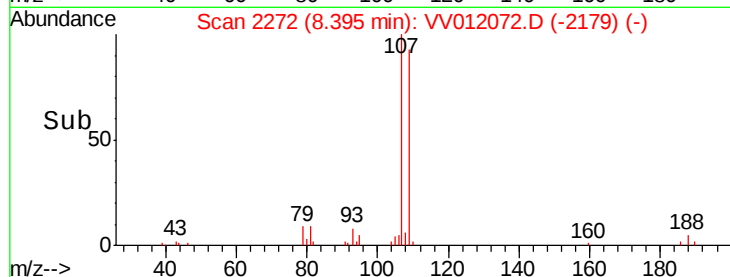
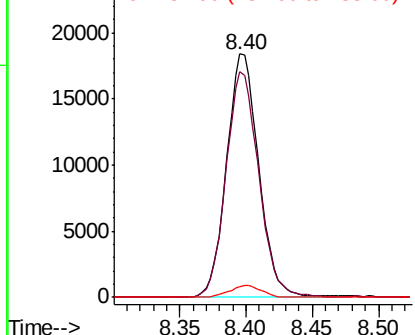
#50
1,2-Dibromoethane
Concen: 5.276 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VV012072.D
Acq: 30 Jul 2019 15:04

Instrument :
MSVOA_V
ClientSampleId :
VSTD00555

Tgt Ion:107 Resp: 31109
Ion Ratio Lower Upper
107 100
109 92.8 66.3 123.1
188 4.6 3.4 5.0

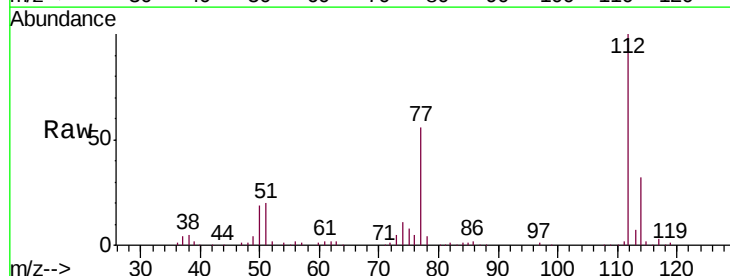


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

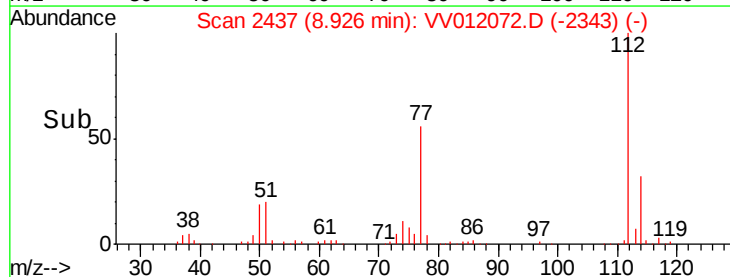
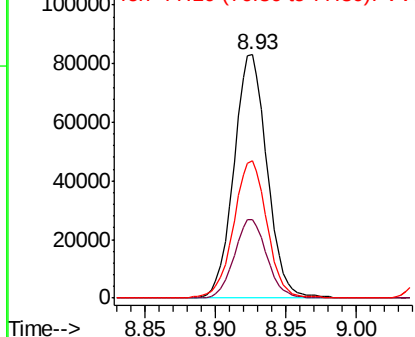


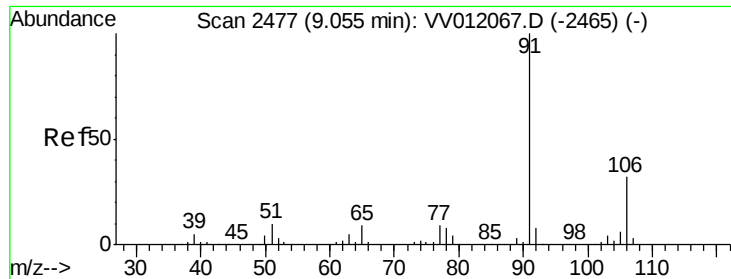
#51
Chlorobenzene
Concen: 5.157 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV012072.D
Acq: 30 Jul 2019 15:04

Tgt Ion:112 Resp: 137068
Ion Ratio Lower Upper
112 100
114 32.4 22.1 41.1
77 56.2 45.9 68.9



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): VV0





#52

Ethylbenzene

Concen: 5.245 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV012072.D

Acq: 30 Jul 2019 15:04

Instrument :

MSVOA_V

ClientSampleId :

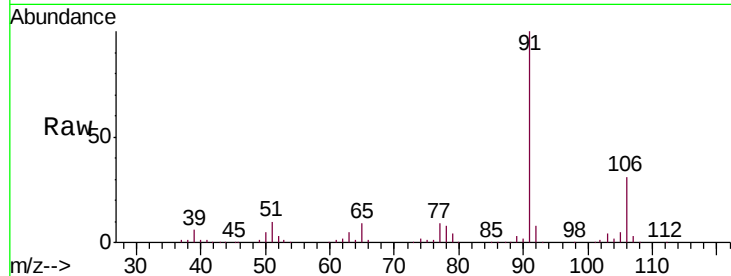
VSTD00555

Tgt Ion: 91 Resp: 237922

Ion Ratio Lower Upper

91 100

106 31.0 21.6 40.2



Abundance Ion 91.15 (90.85 to 91.85): VV012067.D (-2465) (-)

Ion 106.15 (105.85 to 106.85): VV012067.D (-2465) (-)

9.05

150000

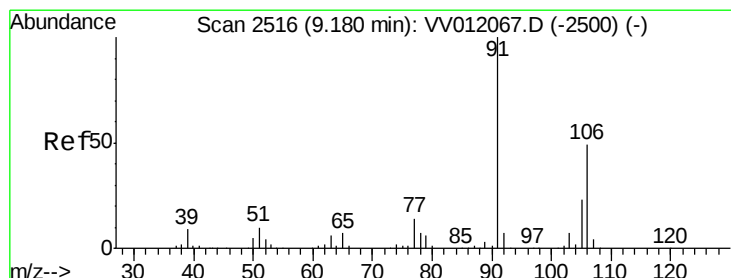
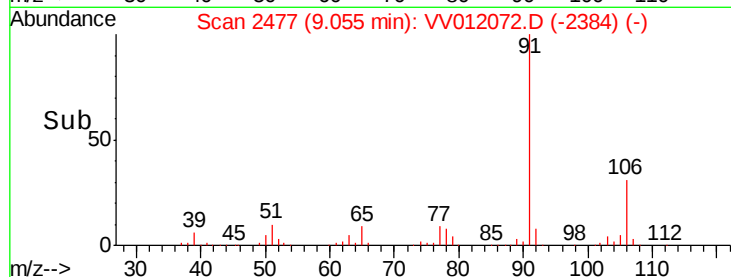
100000

50000

0

8.95 9.00 9.05 9.10 9.15

Time-->



#53

m,p-xylene

Concen: 5.397 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV012072.D

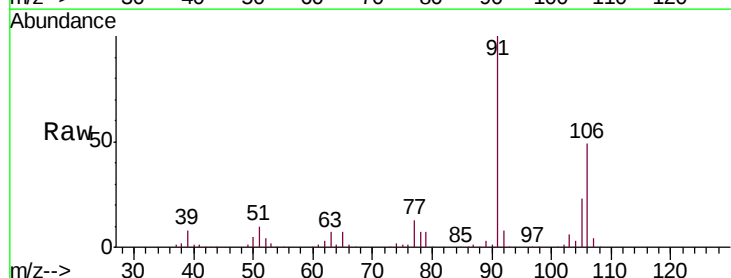
Acq: 30 Jul 2019 15:04

Tgt Ion: 106 Resp: 93204

Ion Ratio Lower Upper

106 100

91 203.1 141.6 263.0



Abundance Ion 106.15 (105.85 to 106.85): VV012067.D (-2500) (-)

Ion 91.15 (90.85 to 91.85): VV012067.D (-2500) (-)

9.18

120000

100000

80000

60000

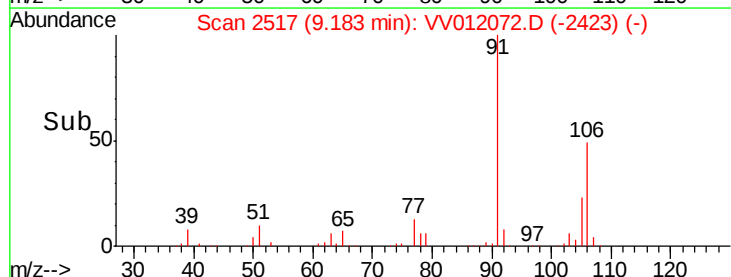
40000

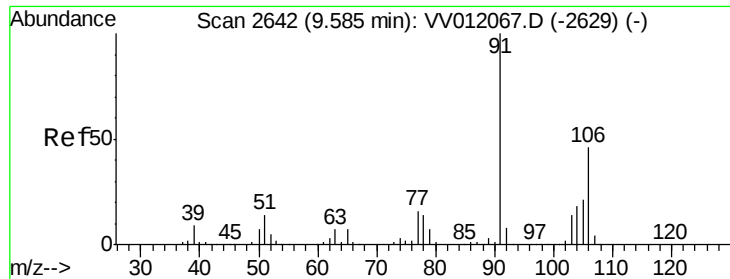
20000

0

9.10 9.15 9.20 9.25

Time-->





#54

o-xylene

Concen: 5.378 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV012072.D

Acq: 30 Jul 2019 15:04

Instrument :

MSVOA_V

ClientSampleId :

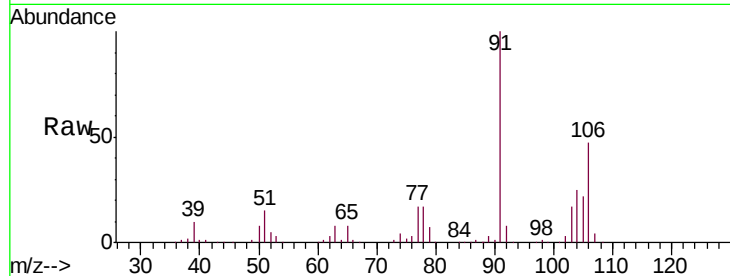
VSTD00555

Tgt Ion:106 Resp: 87903

Ion Ratio Lower Upper

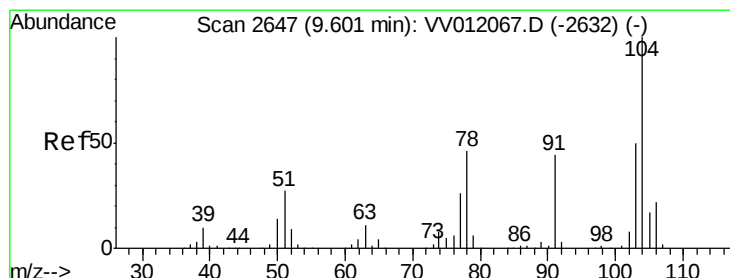
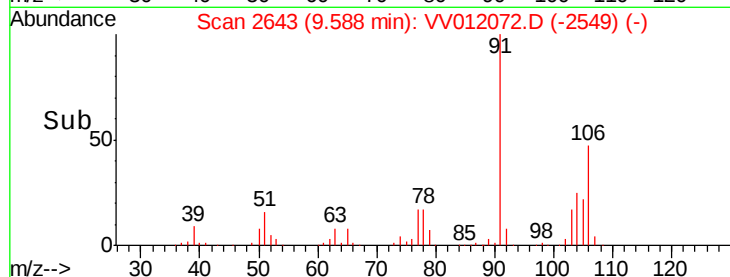
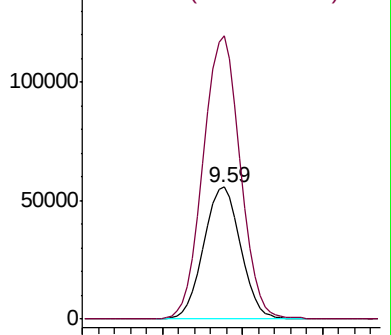
106 100

91 214.6 146.8 272.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.454 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV012072.D

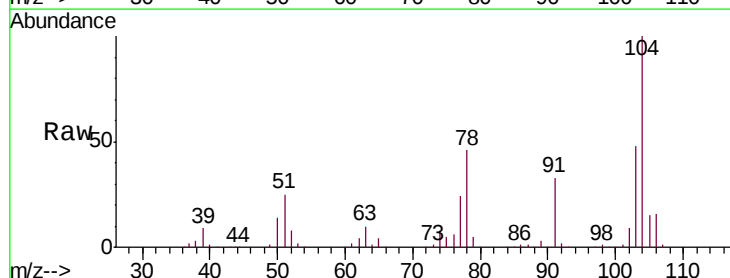
Acq: 30 Jul 2019 15:04

Tgt Ion:104 Resp: 150194

Ion Ratio Lower Upper

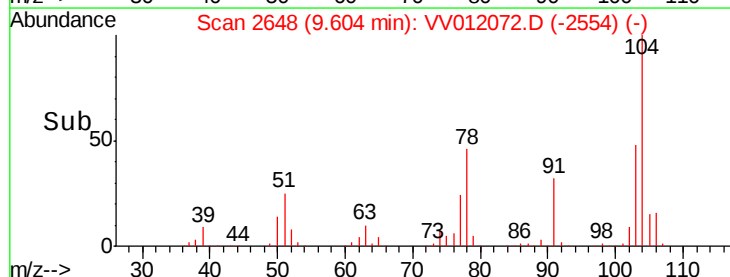
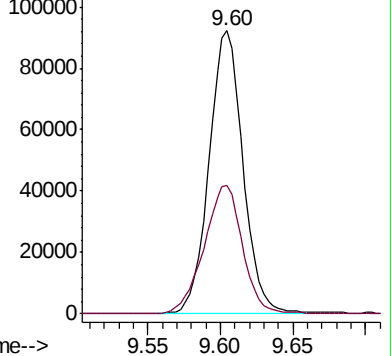
104 100

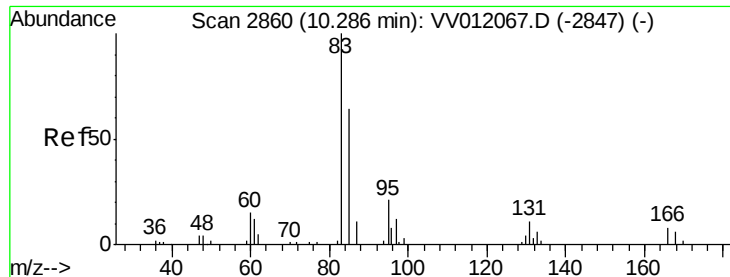
78 45.6 33.3 61.9



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: 5.176 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VV012072.D

Acq: 30 Jul 2019 15:04

Instrument :

MSVOA_V

ClientSampled :

VSTD00555

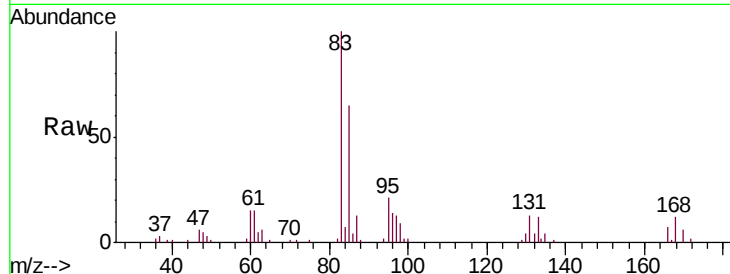
Tgt Ion: 83 Resp: 35044

Ion Ratio Lower Upper

83 100

85 65.3 44.0 81.6

131 13.0 8.3 12.5#

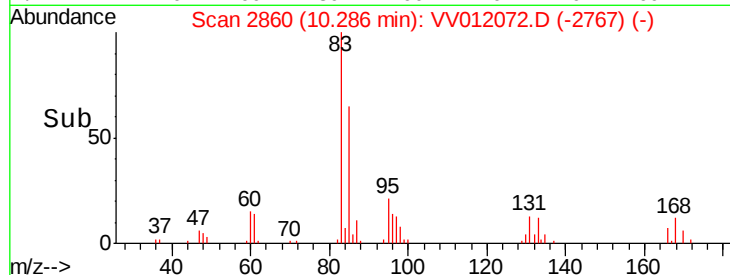


Abundance Ion 82.95 (82.65 to 83.65): VV012072.D (-2608) (-)

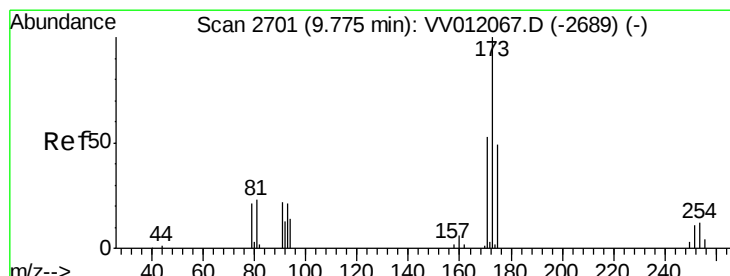
Ion 85.00 (84.70 to 85.70): VV012072.D (-2608) (-)

Ion 130.95 (130.65 to 131.65): VV012072.D (-2608) (-)

Time--> 10.20 10.25 10.30 10.35



Time--> 10.20 10.25 10.30 10.35



#59

Bromoform

Concen: 5.394 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VV012072.D

Acq: 30 Jul 2019 15:04

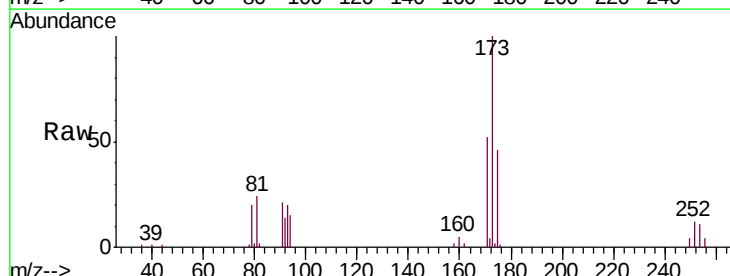
Tgt Ion: 173 Resp: 23915

Ion Ratio Lower Upper

173 100

175 46.1 38.3 57.5

254 10.4 8.6 13.0

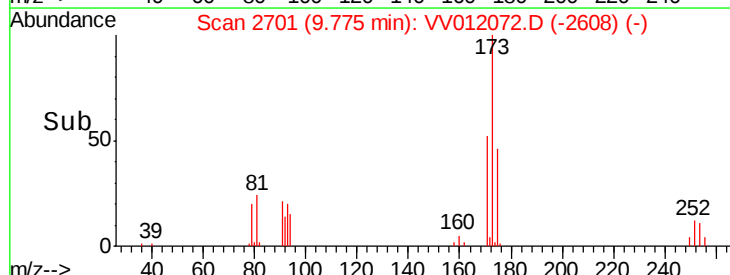


Abundance Ion 172.90 (172.60 to 173.60): VV012072.D (-2608) (-)

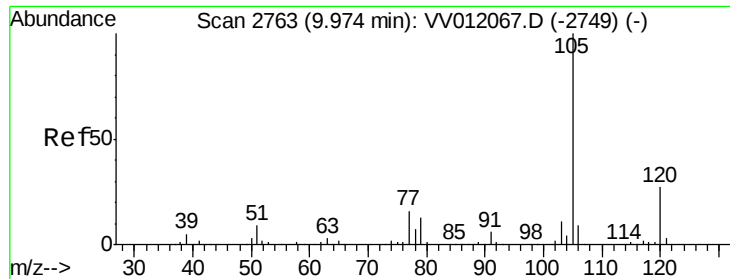
Ion 174.90 (174.60 to 175.60): VV012072.D (-2608) (-)

Ion 253.75 (253.45 to 254.45): VV012072.D (-2608) (-)

Time--> 9.70 9.75 9.80 9.85



Time--> 9.70 9.75 9.80 9.85



#60

Isopropylbenzene

Concen: 5.172 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV012072.D

Acq: 30 Jul 2019 15:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD00555

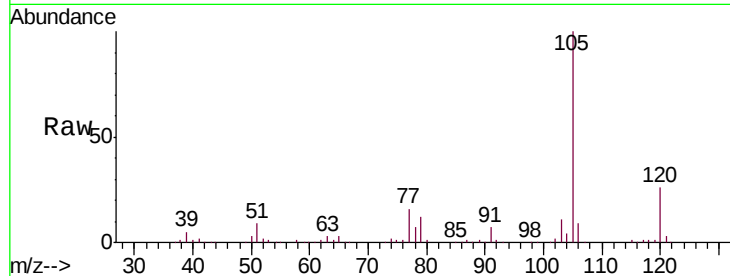
Tgt Ion: 105 Resp: 242324

Ion Ratio Lower Upper

105 100

120 26.5 21.5 32.3

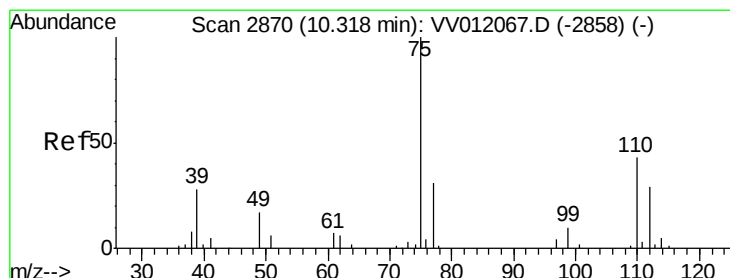
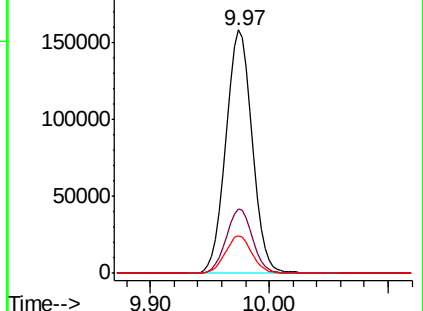
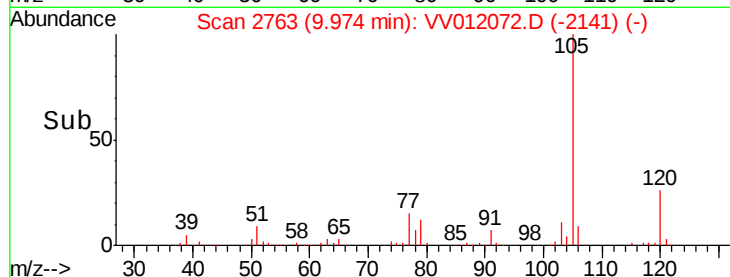
77 15.7 12.3 18.5



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: 4.907 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. -0.00 min

Lab File: VV012072.D

Acq: 30 Jul 2019 15:04

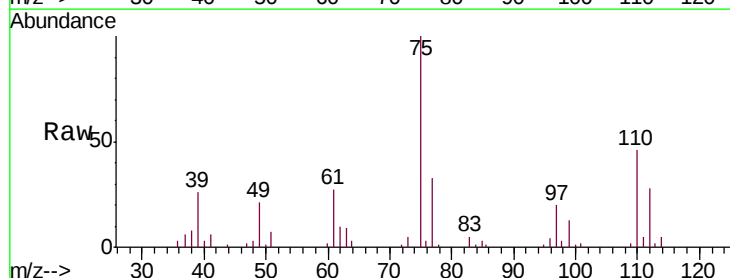
Tgt Ion: 75 Resp: 26229

Ion Ratio Lower Upper

75 100

77 32.3 26.8 40.2

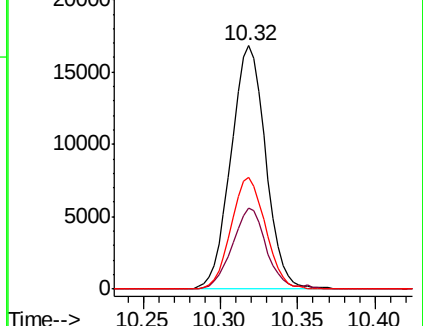
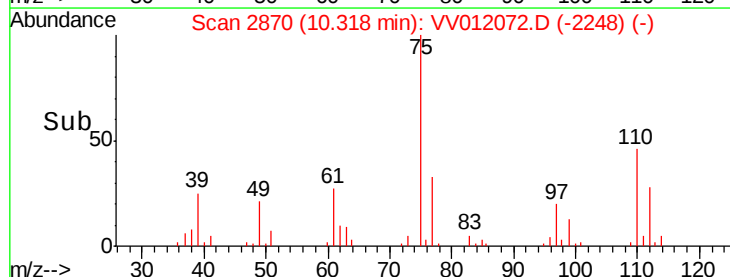
110 45.5 35.0 52.6

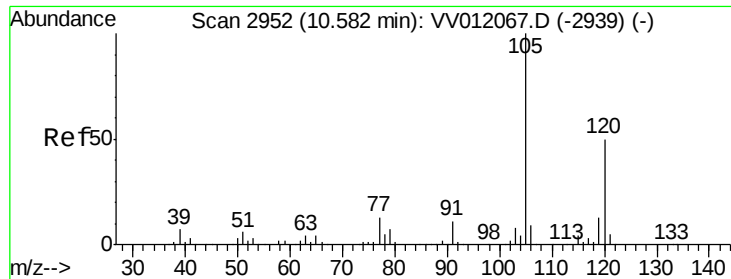


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

Ion 110.00 (109.70 to 110.70): V

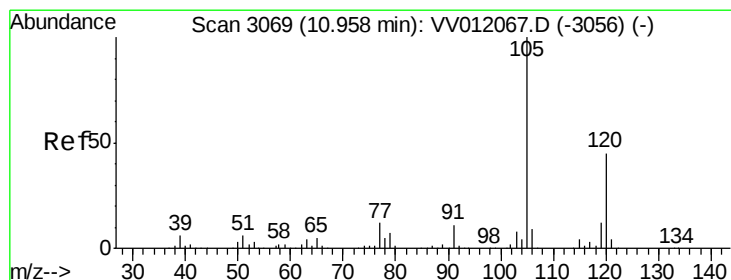
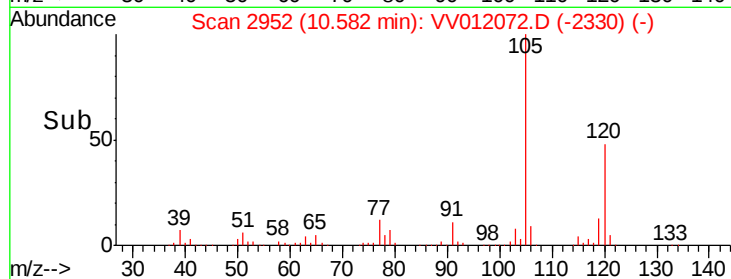
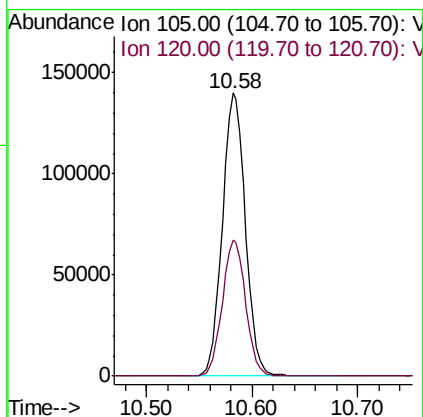
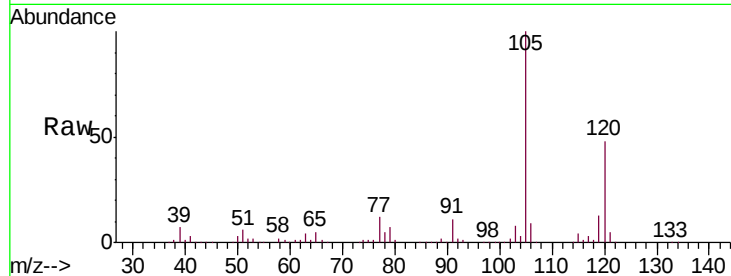




#62
 1,3,5-Trimethylbenzene
 Concen: 5.438 ug/L
 RT: 10.58 min Scan# 2952
 Delta R.T. -0.00 min
 Lab File: VV012072.D
 Acq: 30 Jul 2019 15:04

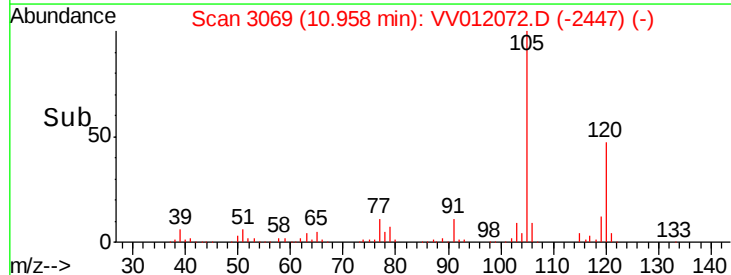
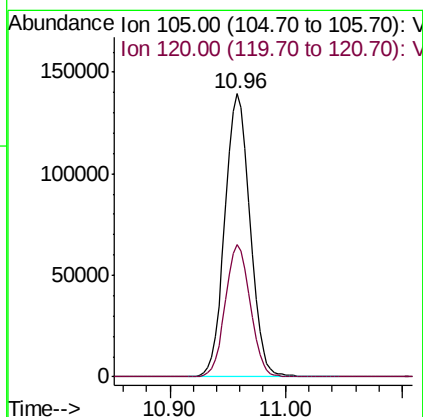
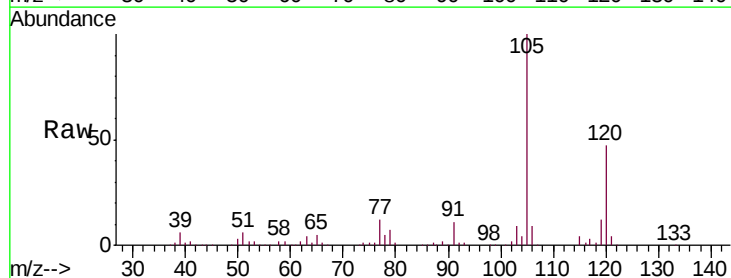
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00555

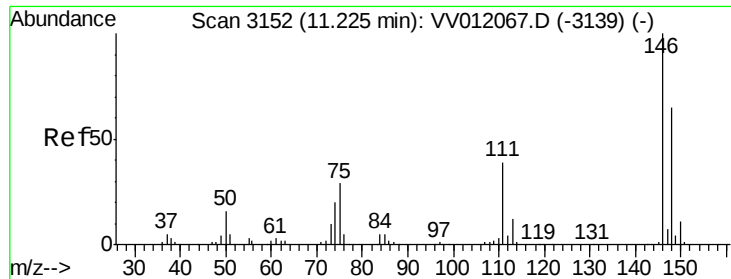
Tgt Ion:105 Resp: 210396
 Ion Ratio Lower Upper
 105 100
 120 48.6 40.1 60.1



#63
 1,2,4-Trimethylbenzene
 Concen: 5.428 ug/L
 RT: 10.96 min Scan# 3069
 Delta R.T. -0.00 min
 Lab File: VV012072.D
 Acq: 30 Jul 2019 15:04

Tgt Ion:105 Resp: 208644
 Ion Ratio Lower Upper
 105 100
 120 46.3 35.8 53.8

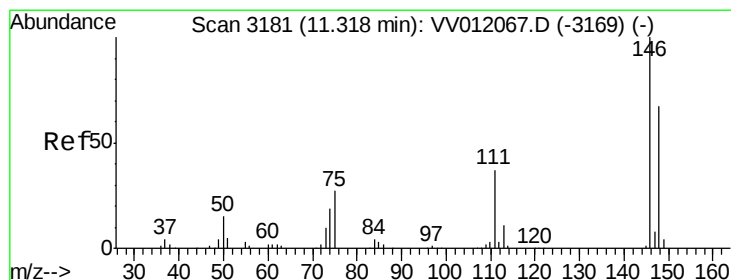
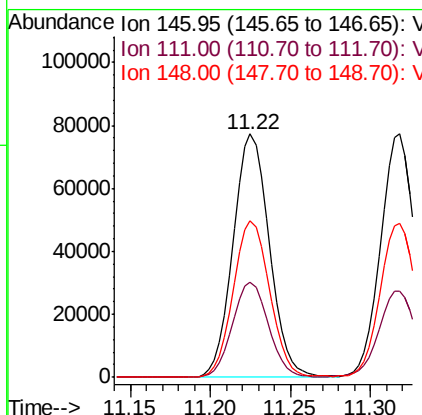
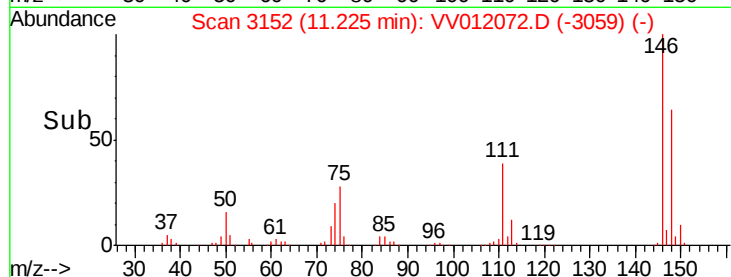
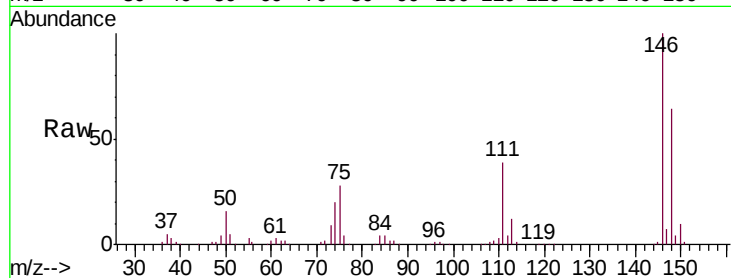




#64
 1,3-Dichlorobenzene
 Concen: 5.114 ug/L
 RT: 11.22 min Scan# 3152
 Delta R.T. -0.00 min
 Lab File: VV012072.D
 Acq: 30 Jul 2019 15:04

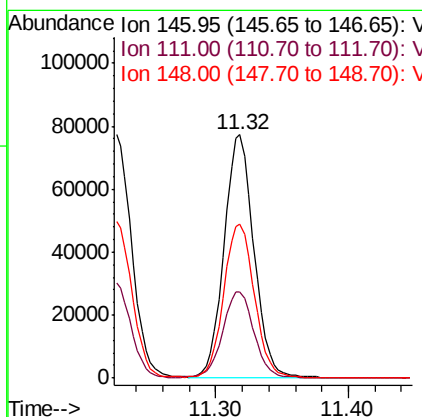
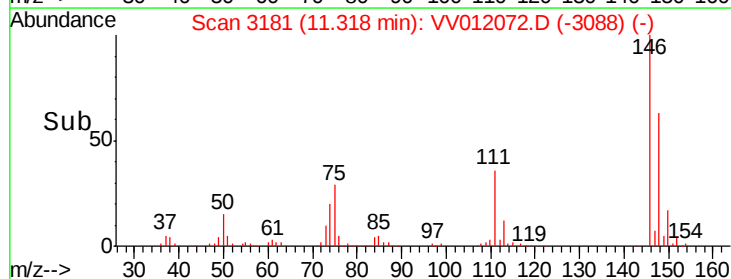
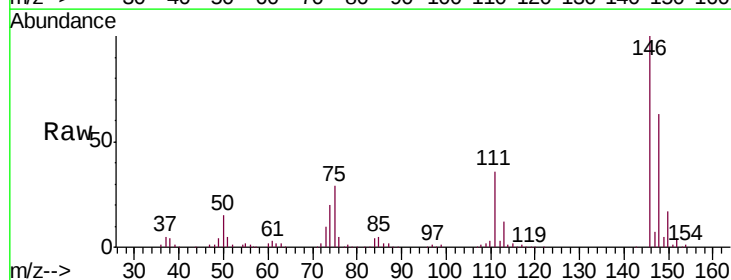
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00555

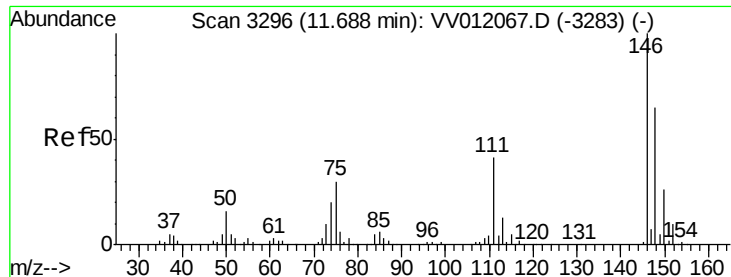
Tgt Ion:146 Resp: 119404
 Ion Ratio Lower Upper
 146 100
 111 39.3 27.2 50.6
 148 64.3 44.5 82.7



#65
 1,4-Dichlorobenzene
 Concen: 5.090 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. -0.00 min
 Lab File: VV012072.D
 Acq: 30 Jul 2019 15:04

Tgt Ion:146 Resp: 121109
 Ion Ratio Lower Upper
 146 100
 111 35.6 25.8 48.0
 148 63.3 43.8 81.3





#67

1,2-Dichlorobenzene

Concen: 5.092 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. -0.00 min

Lab File: VV012072.D

Acq: 30 Jul 2019 15:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD00555

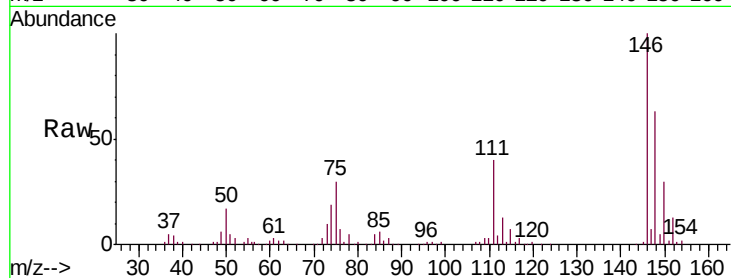
Tgt Ion: 146 Resp: 108047

Ion Ratio Lower Upper

146 100

111 40.0 32.4 48.6

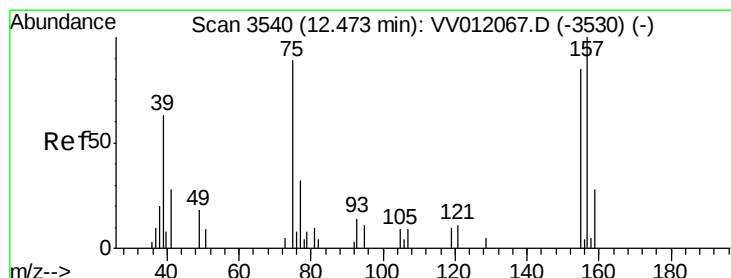
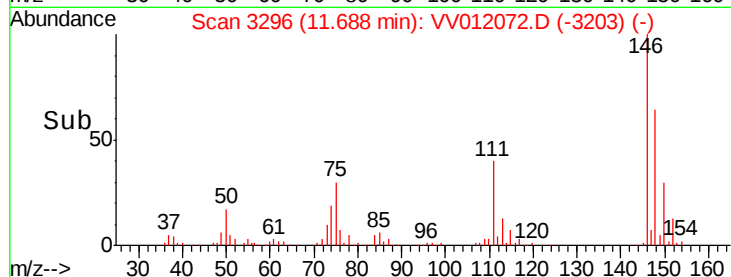
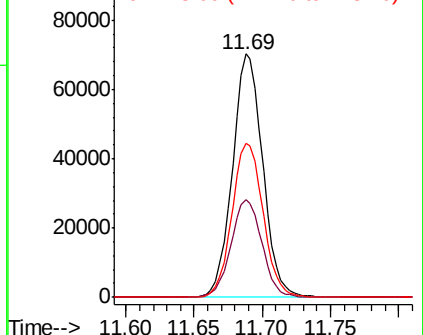
148 63.4 49.4 74.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#68

1,2-Dibromo-3-chloropropane

Concen: 5.361 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. 0.00 min

Lab File: VV012072.D

Acq: 30 Jul 2019 15:04

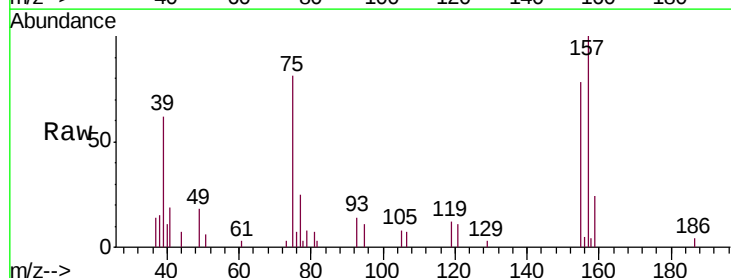
Tgt Ion: 75 Resp: 5909

Ion Ratio Lower Upper

75 100

155 96.5 75.0 112.6

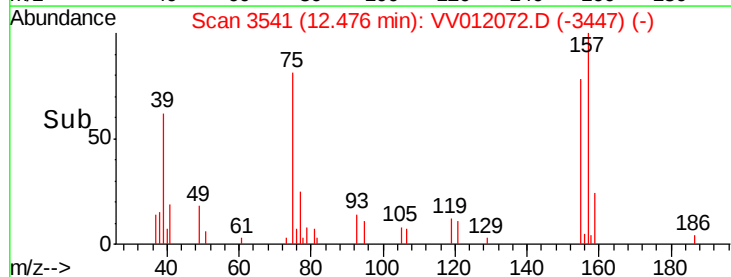
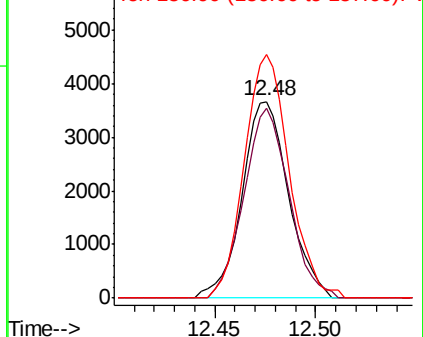
157 124.0 87.8 131.6

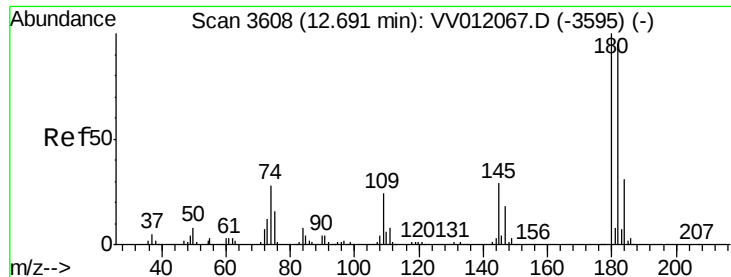


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

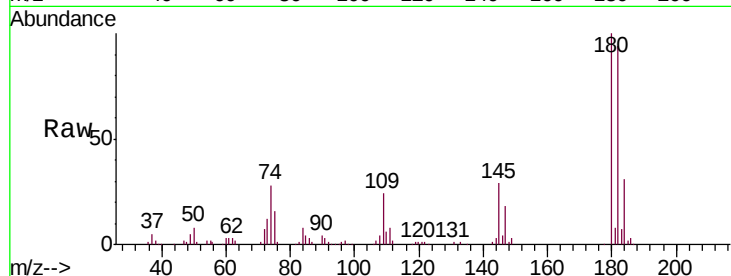




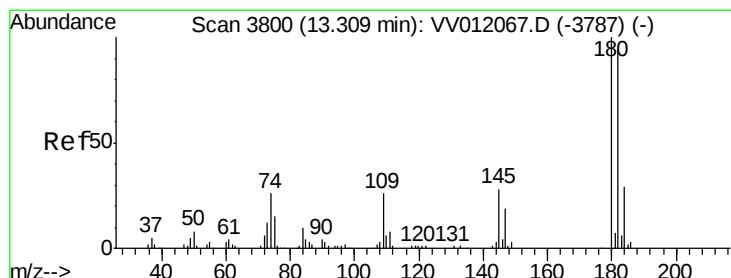
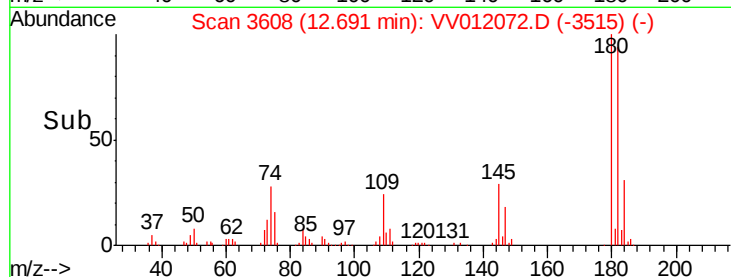
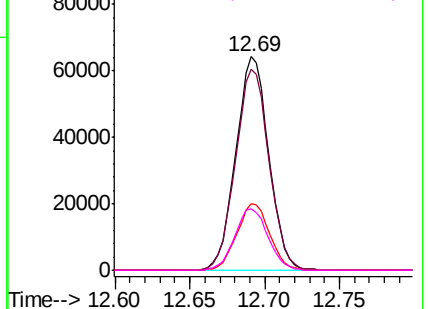
#69
 1,3,5-Trichlorobenzene
 Concen: 5.099 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. -0.00 min
 Lab File: VV012072.D
 Acq: 30 Jul 2019 15:04

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00555

Tgt Ion:180 Resp: 98428
 Ion Ratio Lower Upper
 180 100
 182 95.7 77.1 115.7
 184 30.9 24.6 36.8
 145 29.0 22.8 34.2

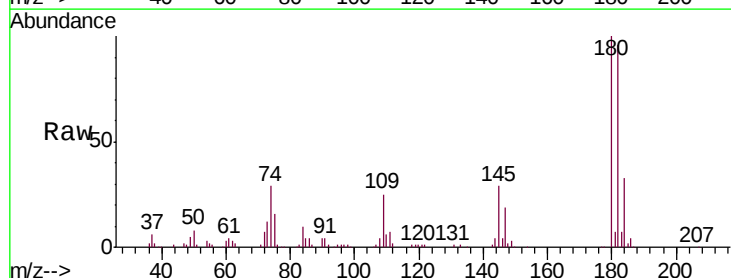


Abundance Ion 180.00 (179.70 to 180.70): V
 100000
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

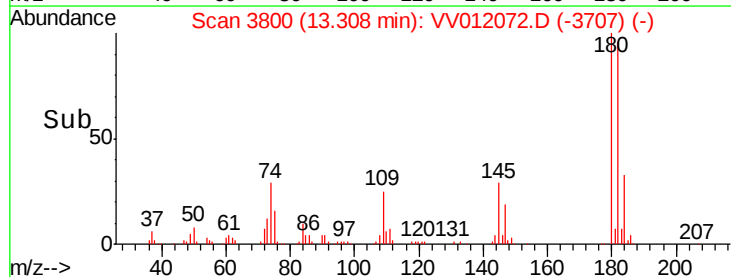
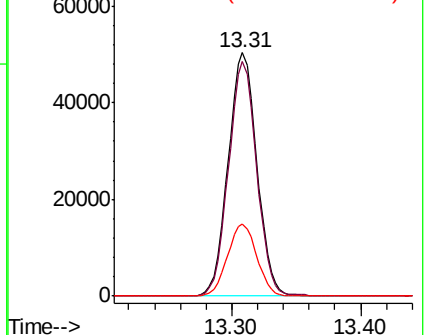


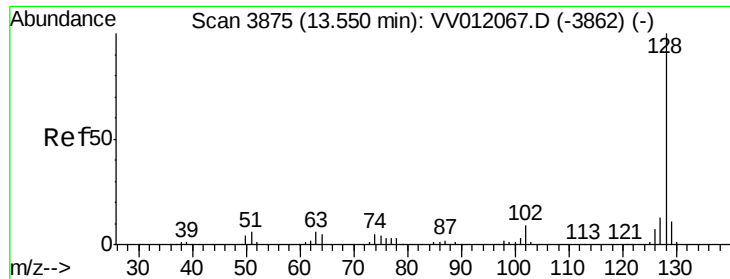
#70
 1,2,4-trichlorobenzene
 Concen: 5.094 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. -0.00 min
 Lab File: VV012072.D
 Acq: 30 Jul 2019 15:04

Tgt Ion:180 Resp: 77808
 Ion Ratio Lower Upper
 180 100
 182 94.3 76.1 114.1
 145 30.1 24.3 36.5



Abundance Ion 179.90 (179.60 to 180.60): V
 60000
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V

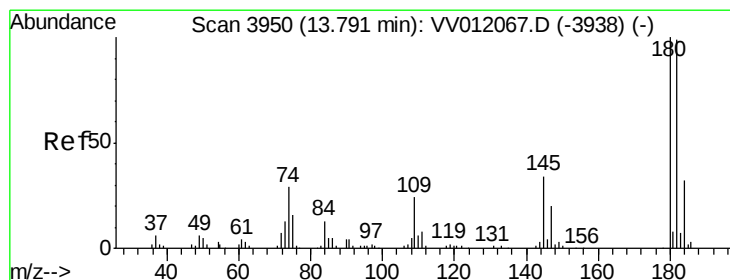
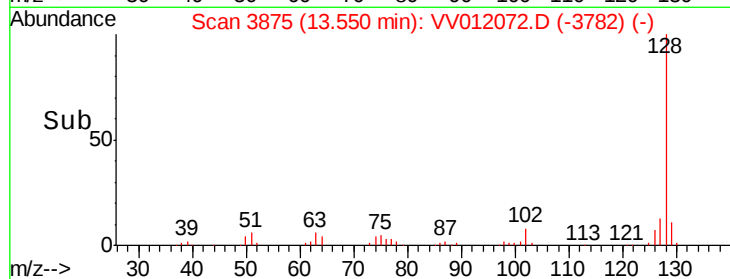
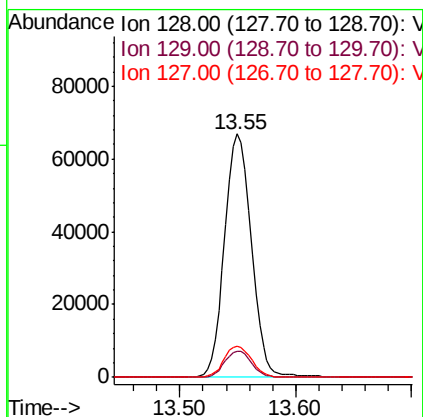
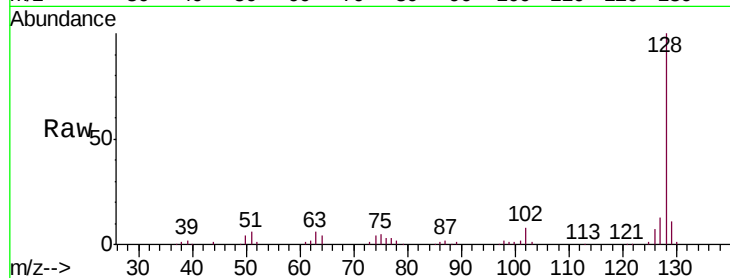




#71
Naphthalene
Concen: 5.063 ug/L
RT: 13.55 min Scan# 3875
Delta R.T. -0.00 min
Lab File: VV012072.D
Acq: 30 Jul 2019 15:04

Instrument :
MSVOA_V
ClientSampleId :
VSTD00555

Tgt Ion:128 Resp: 107302
Ion Ratio Lower Upper
128 100
129 10.8 9.1 13.7
127 13.1 10.4 15.6



#72
1,2,3-Trichlorobenzene
Concen: 5.264 ug/L
RT: 13.79 min Scan# 3950
Delta R.T. -0.00 min
Lab File: VV012072.D
Acq: 30 Jul 2019 15:04

Tgt Ion:180 Resp: 71273
Ion Ratio Lower Upper
180 100
182 95.1 78.5 117.7
145 30.6 25.8 38.8

