

Data File : VV012024.D
Acq On : 25 Jul 2019 09:28
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00549

Quant Time: Jul 26 02:33:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jul 25 04:12:02 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	133157	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	127205	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	65904	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	32189	4.65	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.00%
7) Chloroethane-d5	1.58	69	27011	4.96	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.20%
11) 1,1-Dichloroethene-d2	2.13	63	69483	5.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	100.80%
20) 2-Butanone-d5	3.97	46	109902	54.33	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.66%
24) Chloroform-d	4.40	84	90296	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.60%
26) 1,2-Dichloroethane-d4	5.08	65	50931	5.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.00%
32) Benzene-d6	5.10	84	181351	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.20%
36) 1,2-Dichloropropane-d6	6.12	67	51964	5.12	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.40%
41) Toluene-d8	7.36	98	169729	5.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.20%
43) trans-1,3-Dichloropropene-	7.66	79	21414	5.20	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	104.00%
46) 2-Hexanone-d5	8.14	63	90655	54.79	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.58%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	38709	5.36	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	67767	5.34	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	71071	5.164	ug/L 100
3) Chloromethane	1.25	50	39161	4.904	ug/L 95
5) Vinyl chloride	1.32	62	40972	5.010	ug/L 97
6) Bromomethane	1.54	94	26102	5.427	ug/L 99
8) Chloroethane	1.60	64	23770	4.914	ug/L 95
9) Trichlorofluoromethane	1.77	101	81057	5.378	ug/L 95
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	35695	5.268	ug/L 98
12) 1,1-Dichloroethene	2.14	96	32117	5.300	ug/L 86
13) Acetone	2.23	43	52785	48.406	ug/L 69
14) Carbon disulfide	2.32	76	83330	4.824	ug/L 100
15) Methyl Acetate	2.47	43	10278	4.317	ug/L 96
16) Methylene chloride	2.53	84	32707	4.813	ug/L 94
17) Methyl tert-butyl Ether	2.81	73	107432	5.195	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	47366	5.019	ug/L 98
19) 1,1-Dichloroethane	3.23	63	85593	5.135	ug/L 97
21) 2-Butanone	4.05	43	106619	50.968	ug/L 100
22) cis-1,2-Dichloroethene	3.96	96	49617	4.892	ug/L 99

Data File : VV012024.D
Acq On : 25 Jul 2019 09:28
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00549

Quant Time: Jul 26 02:33:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jul 25 04:12:02 2019
Response via : Initial Calibration

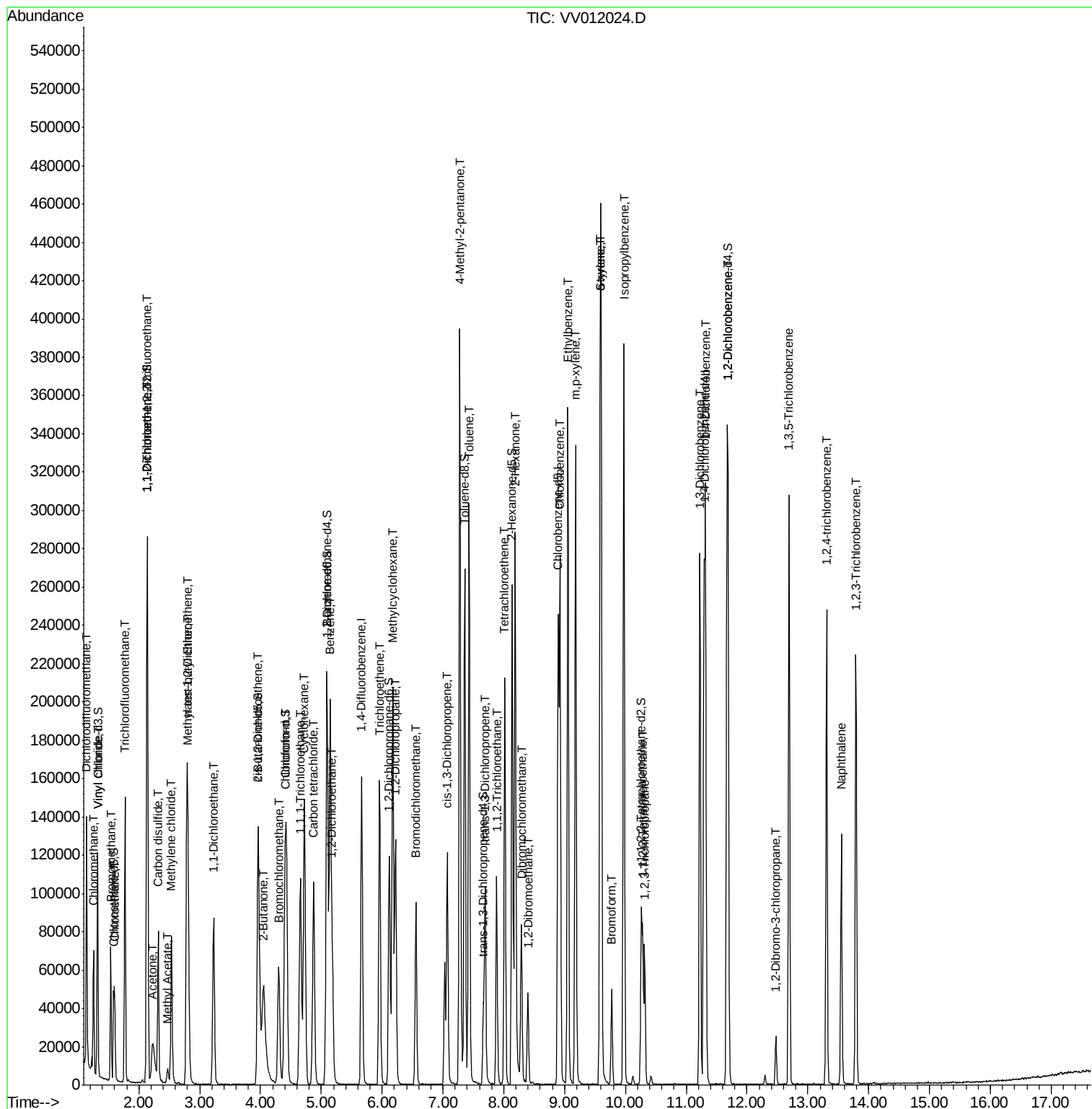
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	22219	5.328	ug/L	95
25) Chloroform	4.42	83	103569	5.145	ug/L	98
27) 1,2-Dichloroethane	5.18	62	59124	5.282	ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	87144	5.352	ug/L	99
30) Cyclohexane	4.72	56	73823	4.800	ug/L	99
31) Carbon tetrachloride	4.87	117	77971	5.320	ug/L	96
33) Benzene	5.14	78	193467	5.170	ug/L	100
34) Trichloroethene	5.96	95	54050	5.201	ug/L	99
35) Methylcyclohexane	6.17	83	81121	5.016	ug/L	98
37) 1,2-Dichloropropane	6.22	63	44688	4.968	ug/L	100
38) Bromodichloromethane	6.55	83	61146	5.087	ug/L	94
39) cis-1,3-Dichloropropene	7.07	75	68609	5.146	ug/L	98
40) 4-Methyl-2-pentanone	7.28	43	261037	51.935	ug/L	100
42) Toluene	7.43	91	211096	5.256	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	55712	5.253	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	32295	5.198	ug/L	99
47) Tetrachloroethene	8.02	164	47647	5.314	ug/L	98
48) 2-Hexanone	8.19	43	188372	53.425	ug/L	99
49) Dibromochloromethane	8.29	129	40952	5.383	ug/L	97
50) 1,2-Dibromoethane	8.40	107	30656	5.226	ug/L #	99
51) Chlorobenzene	8.92	112	136966	5.208	ug/L	98
52) Ethylbenzene	9.05	91	236551	5.160	ug/L	100
53) m,p-xylene	9.18	106	93357	5.350	ug/L	100
54) o-xylene	9.59	106	88101	5.325	ug/L	98
55) Styrene	9.60	104	149156	5.349	ug/L	98
56) Isopropylbenzene	9.97	105	247162	5.349	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	35564	5.281	ug/L	96
59) 1,2,3-Trichloropropane	10.32	75	27255	5.194	ug/L	98
61) Bromoform	9.77	173	22603	5.587	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	112015	5.196	ug/L	98
63) 1,4-Dichlorobenzene	11.31	146	117316	5.287	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	105306	5.306	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	6053	5.250	ug/L	96
67) 1,3,5-Trichlorobenzene	12.69	180	93055	5.161	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	76152	5.201	ug/L	99
69) Naphthalene	13.55	128	102760	4.655	ug/L	98
70) 1,2,3-Trichlorobenzene	13.79	180	68202	5.135	ug/L	99

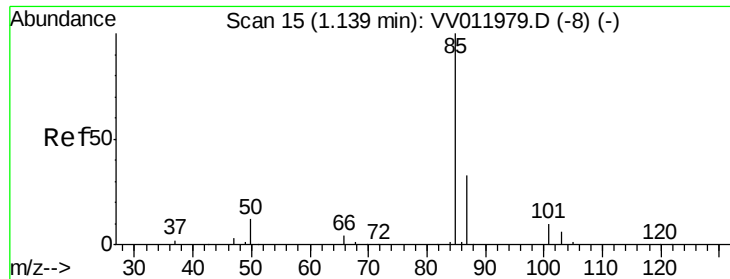
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VV012024.D
Acq On : 25 Jul 2019 09:28
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00549

Quant Time: Jul 26 02:33:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jul 25 04:12:02 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 5.164 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV012024.D

Acq: 25 Jul 2019 09:28

Instrument :

MSVOA_V

ClientSampleId :

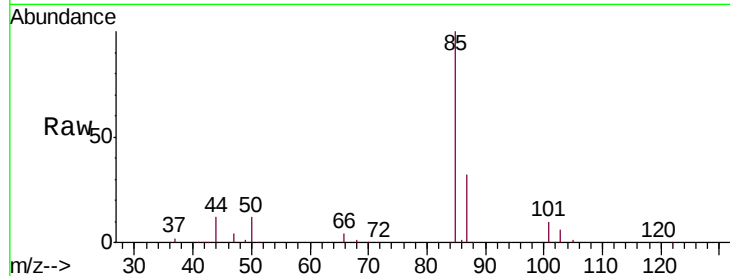
VSTD00549

Tgt Ion: 85 Resp: 71071

Ion Ratio Lower Upper

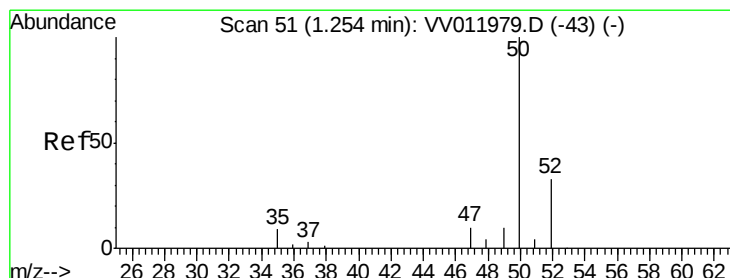
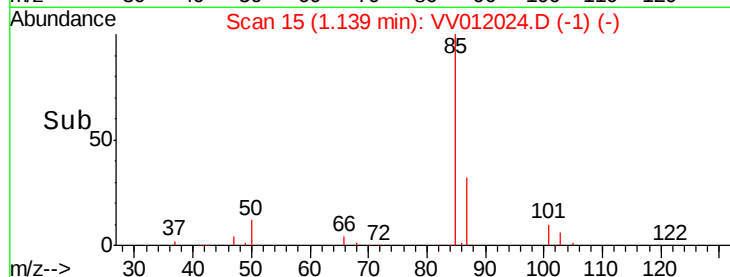
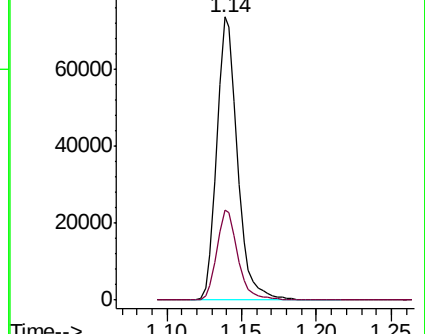
85 100

87 32.1 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 4.904 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV012024.D

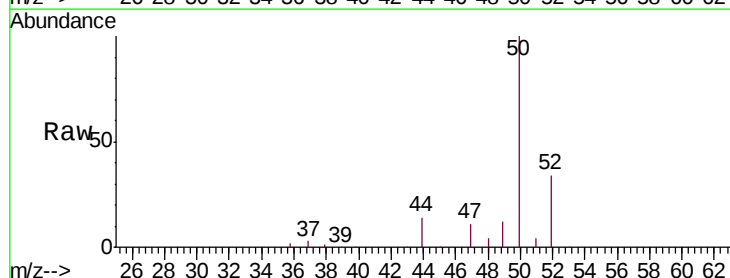
Acq: 25 Jul 2019 09:28

Tgt Ion: 50 Resp: 39161

Ion Ratio Lower Upper

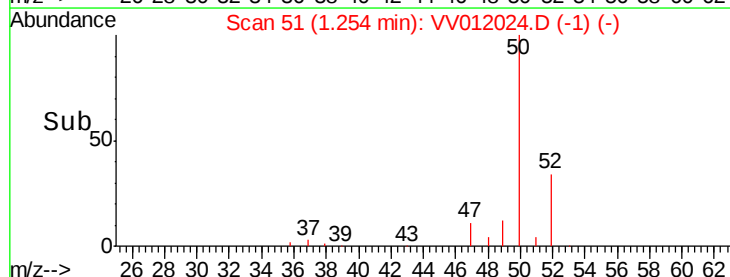
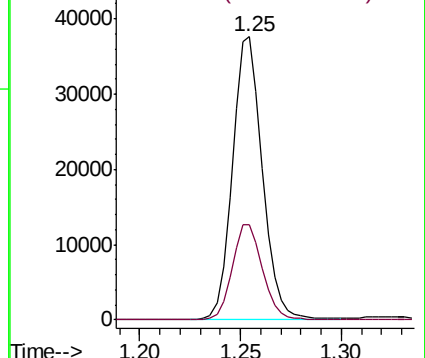
50 100

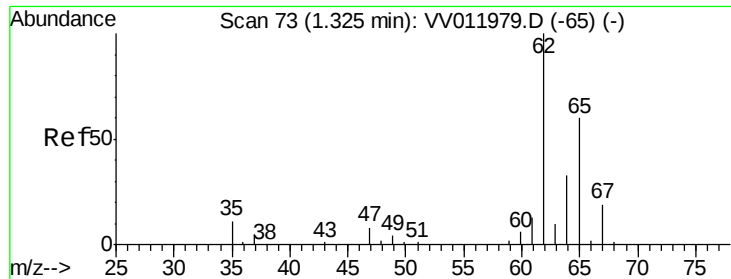
52 33.8 21.6 40.2



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 5.010 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV012024.D

Acq: 25 Jul 2019 09:28

Instrument :

MSVOA_V

ClientSampleId :

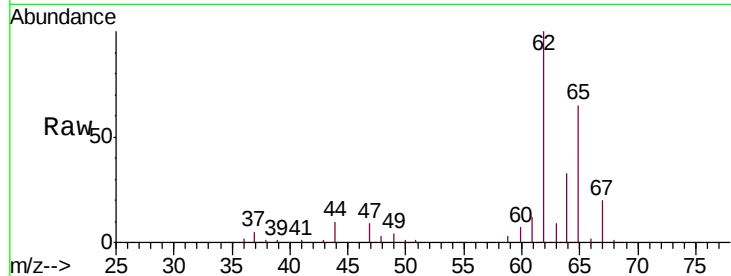
VSTD00549

Tgt Ion: 62 Resp: 40972

Ion Ratio Lower Upper

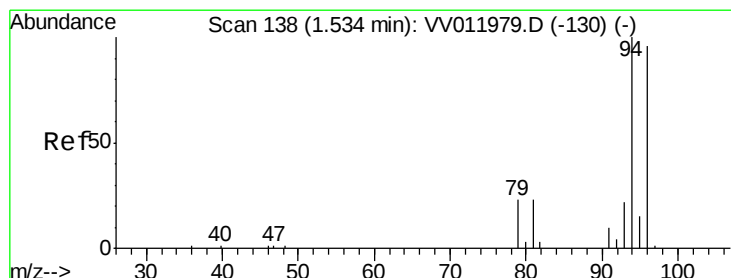
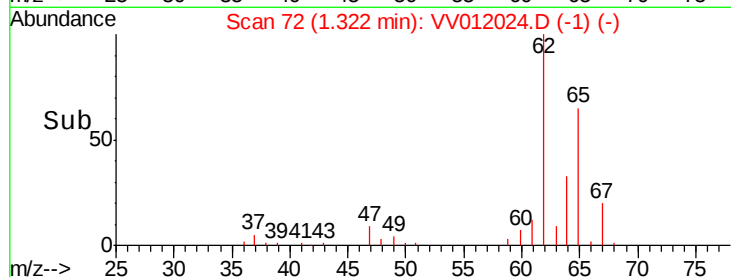
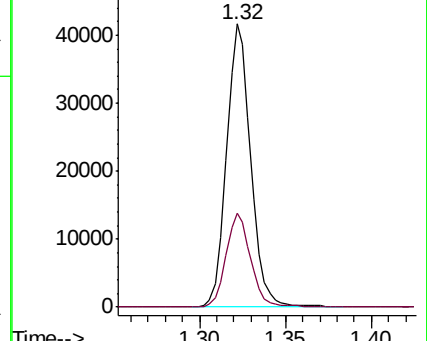
62 100

64 33.1 24.3 45.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 5.427 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV012024.D

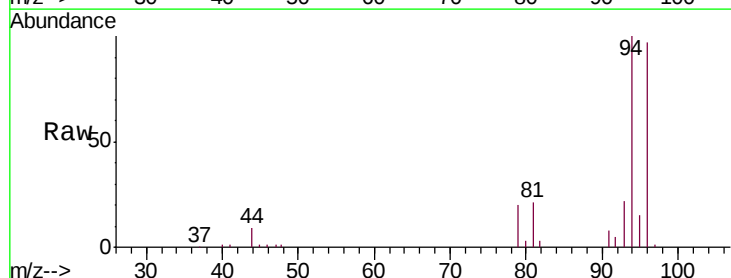
Acq: 25 Jul 2019 09:28

Tgt Ion: 94 Resp: 26102

Ion Ratio Lower Upper

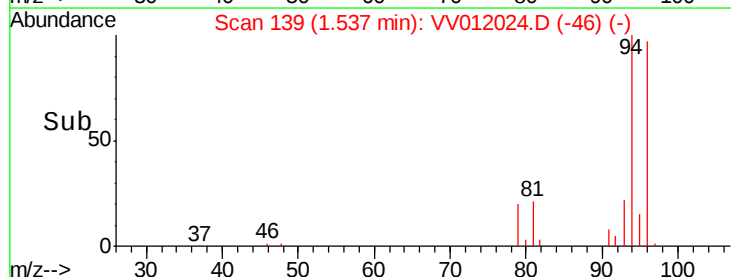
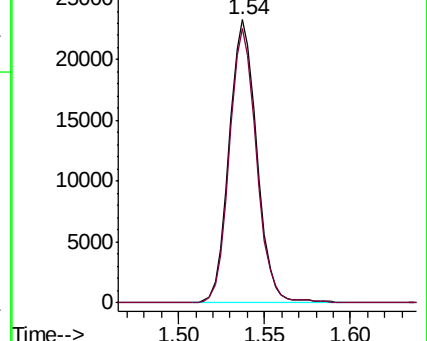
94 100

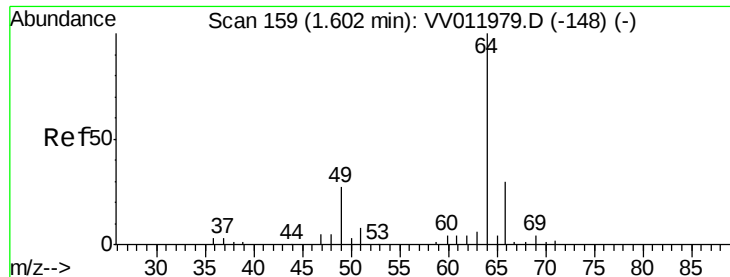
96 97.1 67.3 125.1



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 4.914 ug/L

RT: 1.60 min Scan# 159

Delta R.T. -0.00 min

Lab File: VV012024.D

Acq: 25 Jul 2019 09:28

Instrument :

MSVOA_V

ClientSampleId :

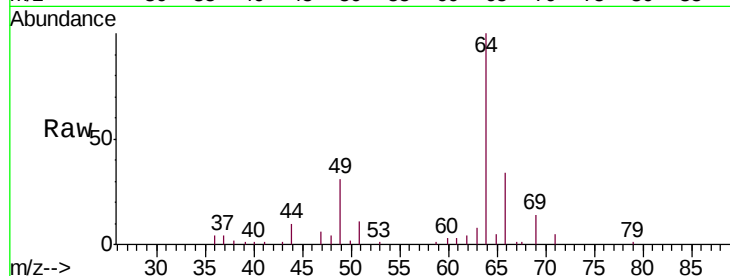
VSTD00549

Tgt Ion: 64 Resp: 23770

Ion Ratio Lower Upper

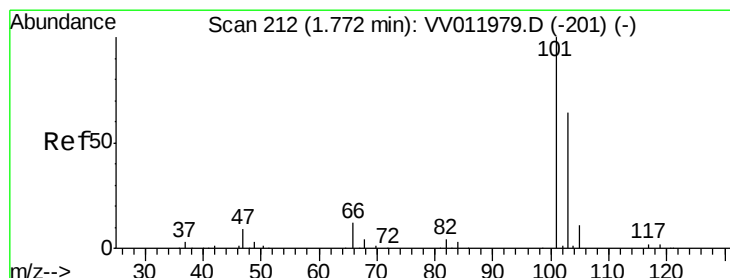
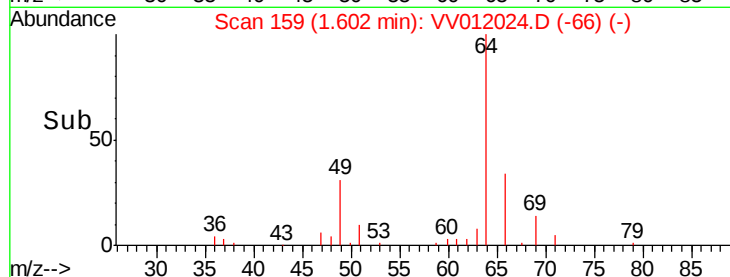
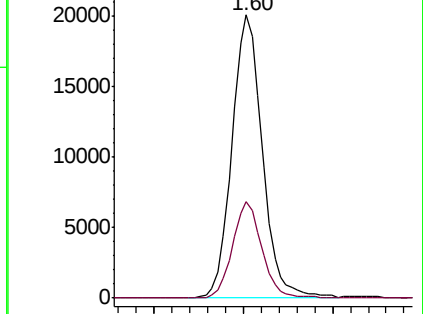
64 100

66 33.9 21.8 40.6



Abundance Ion 64.10 (63.80 to 64.80): VV011979.D (-148) (-)

Ion 66.05 (65.75 to 66.75): VV011979.D (-148) (-)



#9

Trichlorofluoromethane

Concen: 5.378 ug/L

RT: 1.77 min Scan# 212

Delta R.T. -0.00 min

Lab File: VV012024.D

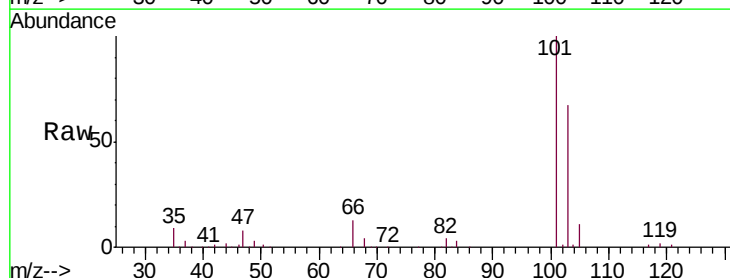
Acq: 25 Jul 2019 09:28

Tgt Ion: 101 Resp: 81057

Ion Ratio Lower Upper

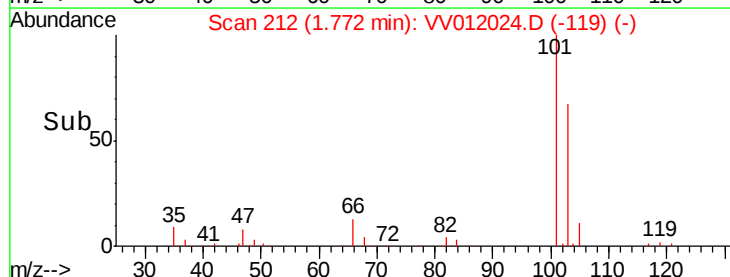
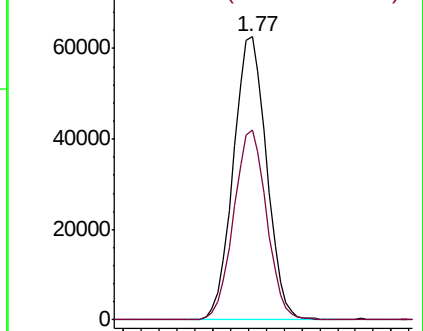
101 100

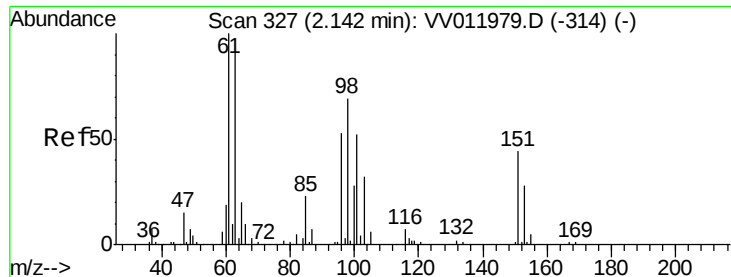
103 66.5 50.4 75.6



Abundance Ion 101.00 (100.70 to 101.70): VV011979.D (-201) (-)

Ion 103.00 (102.70 to 103.70): VV011979.D (-201) (-)





#10

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

Concen: 5.268 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV012024.D

Acq: 25 Jul 2019 09:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD00549

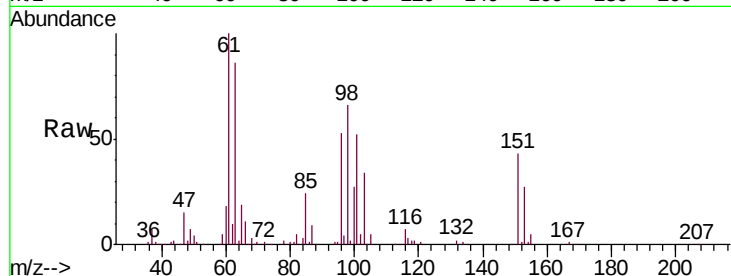
Tgt Ion:101 Resp: 35695

Ion Ratio Lower Upper

101 100

85 46.0 37.0 55.6

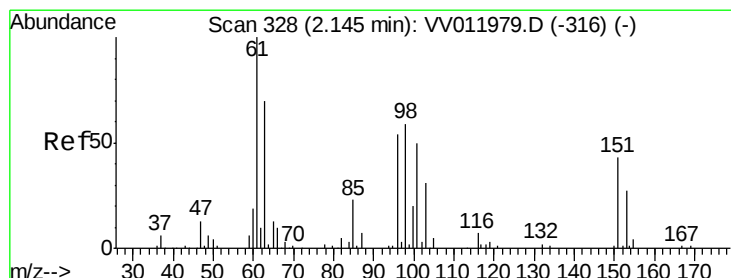
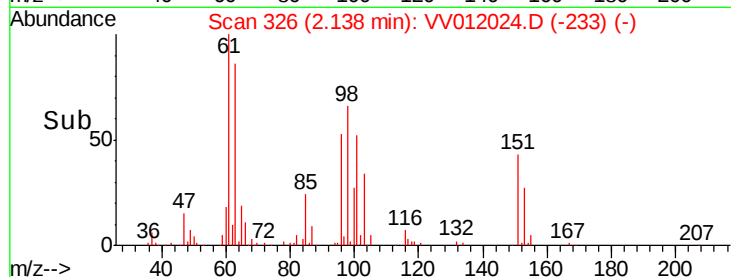
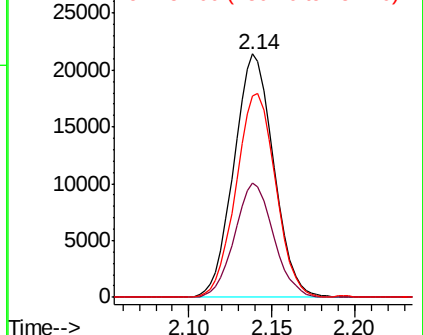
151 83.5 68.3 102.5



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: 5.300 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV012024.D

Acq: 25 Jul 2019 09:28

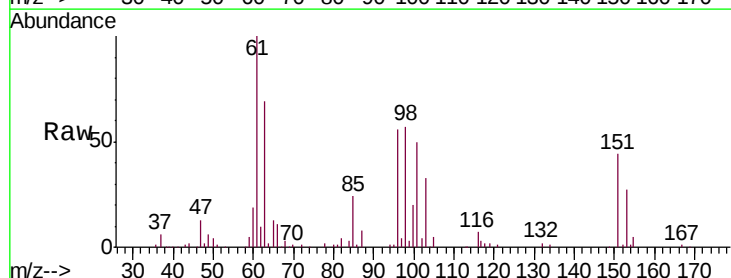
Tgt Ion: 96 Resp: 32117

Ion Ratio Lower Upper

96 100

61 177.3 132.7 246.5

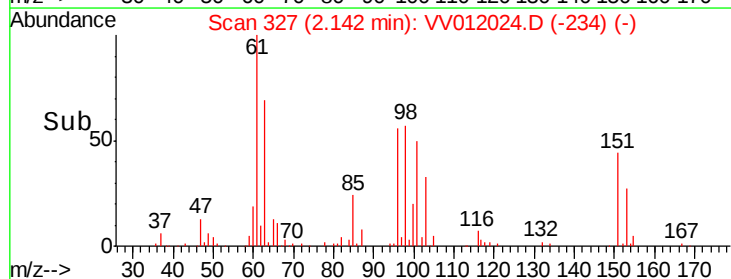
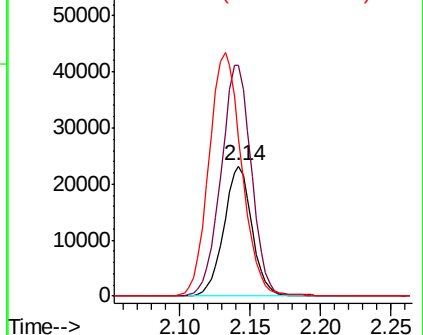
63 121.9 104.0 193.1

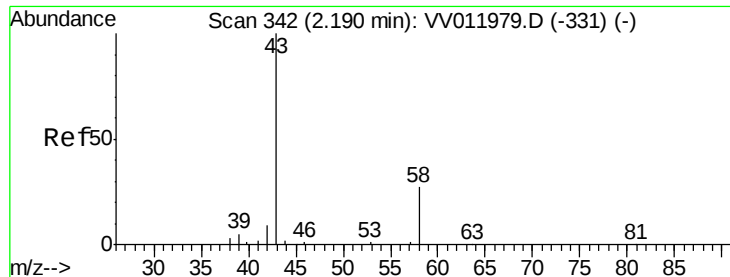


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 48.406 ug/L

RT: 2.23 min Scan# 353

Delta R.T. -0.00 min

Lab File: VV012024.D

Acq: 25 Jul 2019 09:28

Instrument :

MSVOA_V

ClientSampleId :

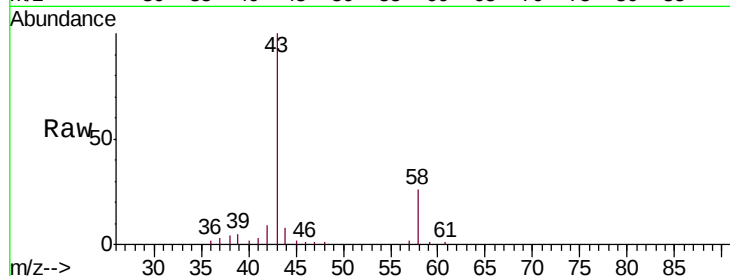
VSTD00549

Tgt Ion: 43 Resp: 52785

Ion Ratio Lower Upper

43 100

58 10.1 0.0 51.8



Abundance Ion 43.05 (42.75 to 43.75): VV011979.D (-331) (-)

Ion 58.05 (57.75 to 58.75): VV011979.D (-331) (-)

2.23

15000

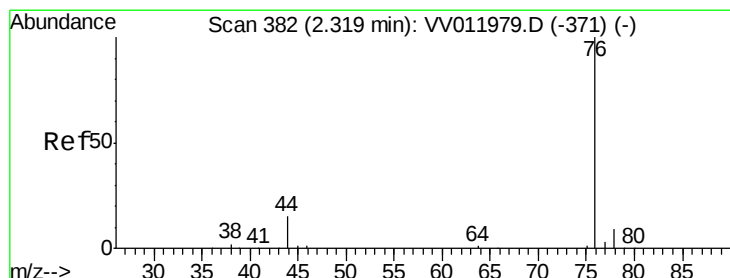
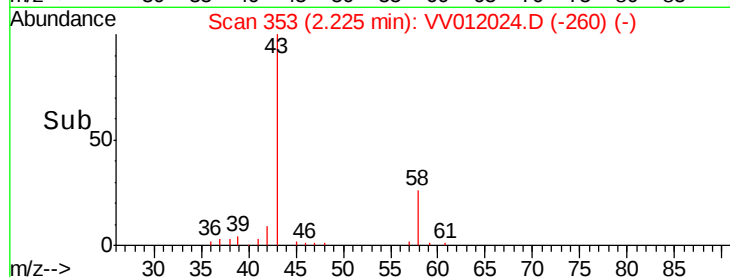
10000

5000

0

Time-->

2.10 2.20 2.30 2.40



#14

Carbon disulfide

Concen: 4.824 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VV012024.D

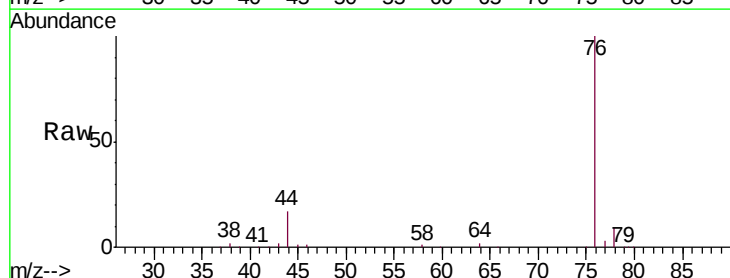
Acq: 25 Jul 2019 09:28

Tgt Ion: 76 Resp: 83330

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VV011979.D (-371) (-)

Ion 78.00 (77.70 to 78.70): VV011979.D (-371) (-)

2.32

60000

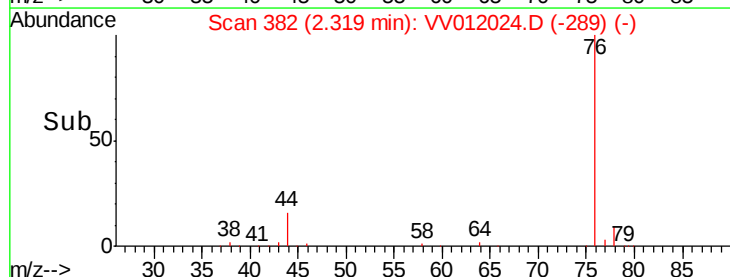
40000

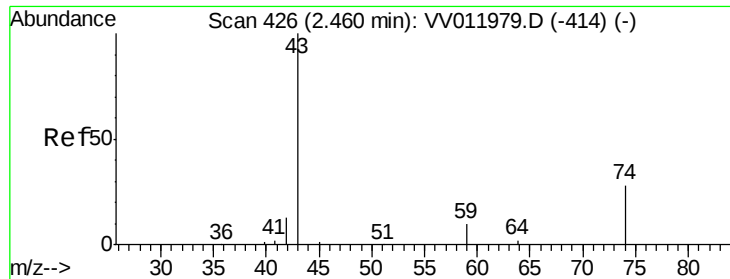
20000

0

Time-->

2.25 2.30 2.35 2.40

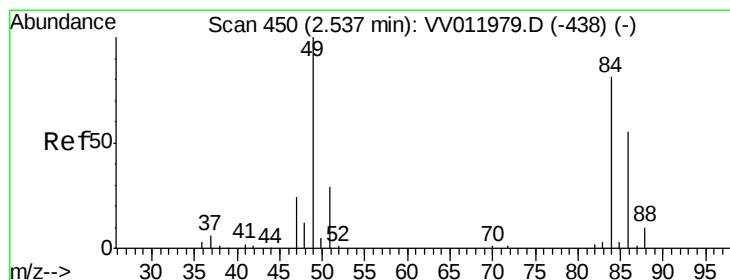
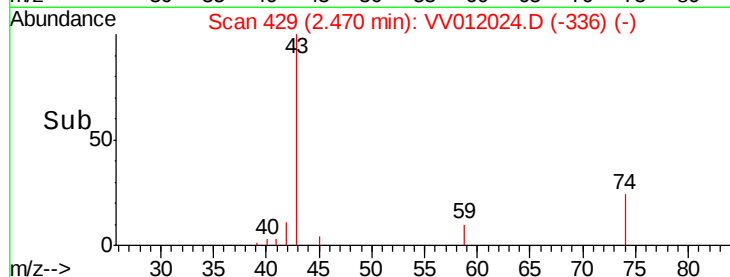
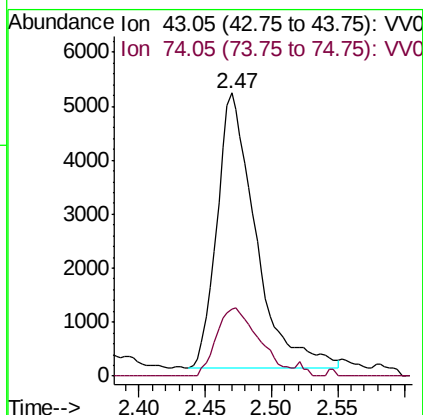
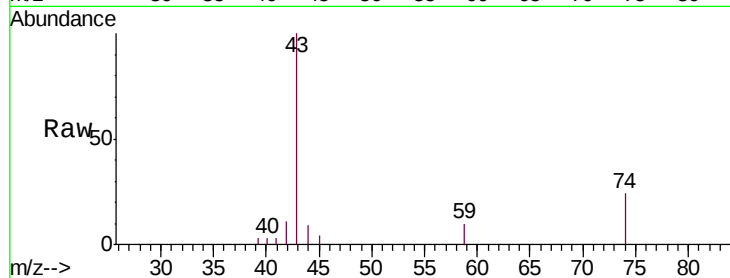




#15
Methyl Acetate
Concen: 4.317 ug/L
RT: 2.47 min Scan# 429
Delta R.T. -0.00 min
Lab File: VV012024.D
Acq: 25 Jul 2019 09:28

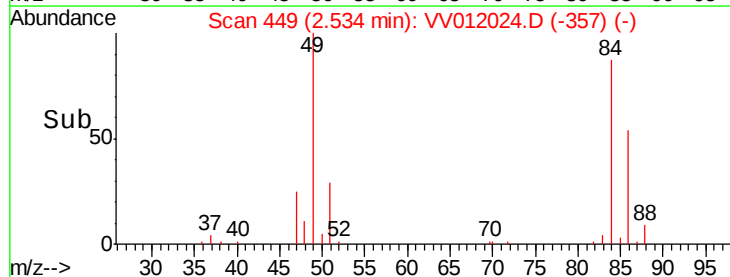
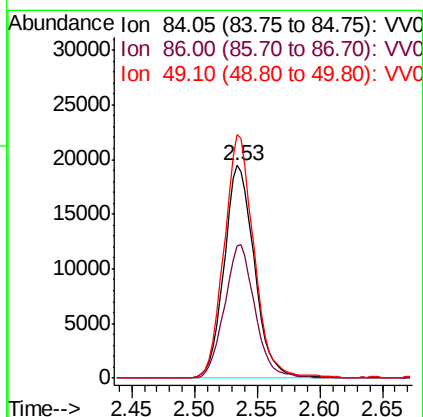
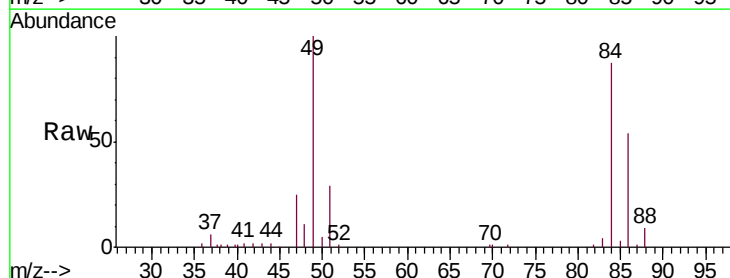
Instrument :
MSVOA_V
ClientSampleId :
VSTD00549

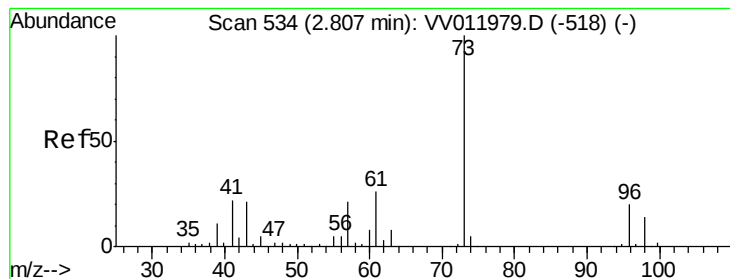
Tgt Ion: 43 Resp: 10278
Ion Ratio Lower Upper
43 100
74 27.3 23.4 35.2



#16
Methylene chloride
Concen: 4.813 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV012024.D
Acq: 25 Jul 2019 09:28

Tgt Ion: 84 Resp: 32707
Ion Ratio Lower Upper
84 100
86 62.0 47.6 88.4
49 114.6 84.3 156.5





#17

Methyl tert-butyl Ether

Concen: 5.195 ug/L

RT: 2.81 min Scan# 535

Delta R.T. -0.00 min

Lab File: VV012024.D

Acq: 25 Jul 2019 09:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD00549

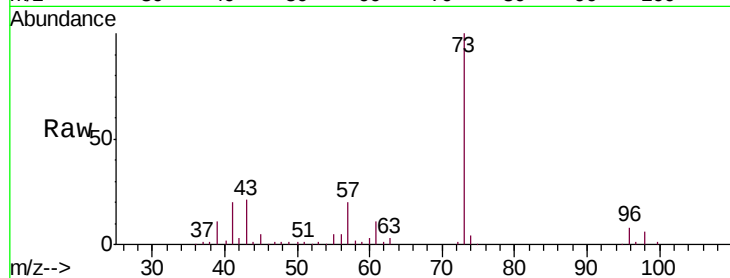
Tgt Ion: 73 Resp: 107432

Ion Ratio Lower Upper

73 100

43 20.8 17.0 25.4

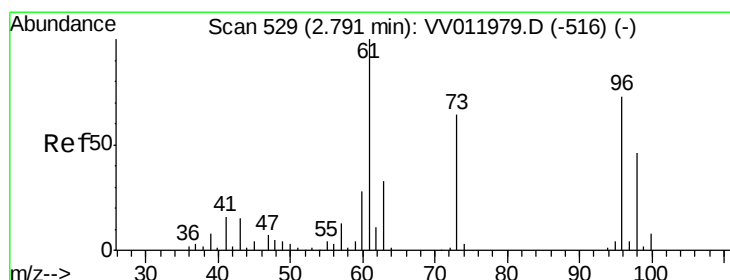
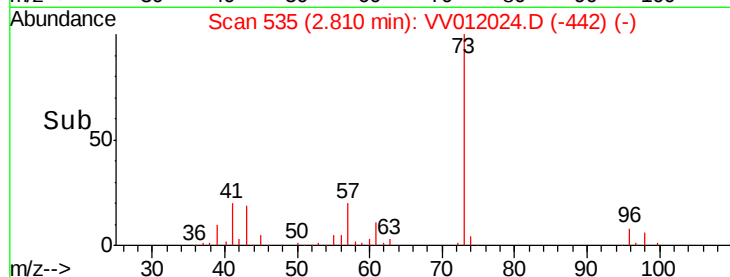
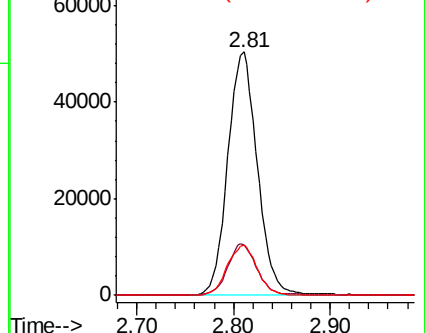
57 20.7 17.0 25.6



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: 5.019 ug/L

RT: 2.79 min Scan# 528

Delta R.T. -0.00 min

Lab File: VV012024.D

Acq: 25 Jul 2019 09:28

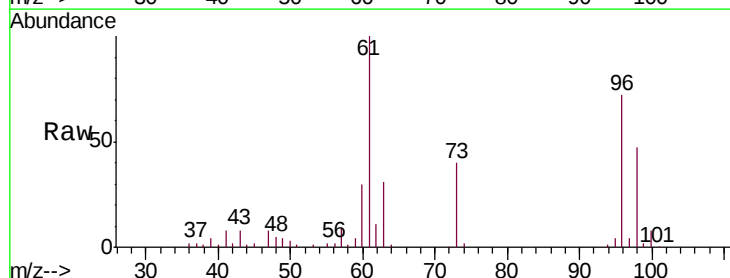
Tgt Ion: 96 Resp: 47366

Ion Ratio Lower Upper

96 100

61 139.2 95.4 177.2

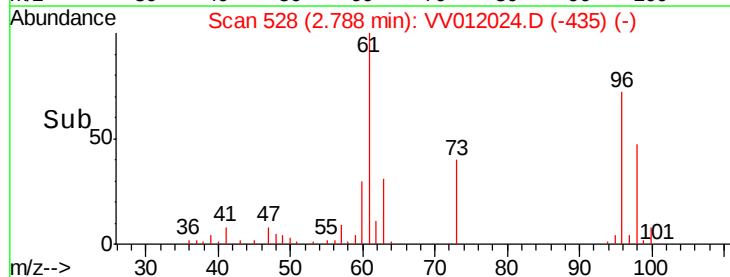
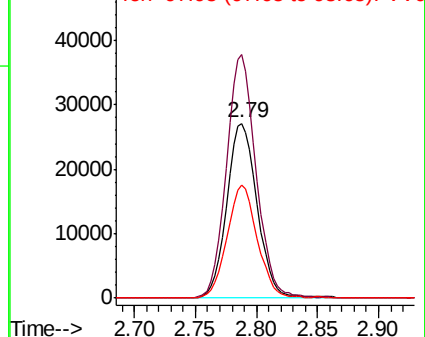
98 64.7 44.4 82.5

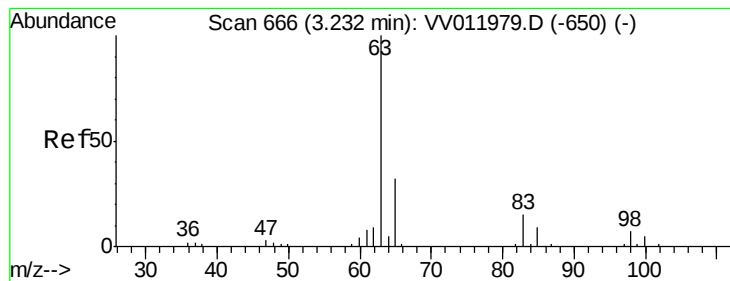


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0





#19

1,1-Dichloroethane

Concen: 5.135 ug/L

RT: 3.23 min Scan# 665

Delta R.T. -0.00 min

Lab File: VV012024.D

Acq: 25 Jul 2019 09:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD00549

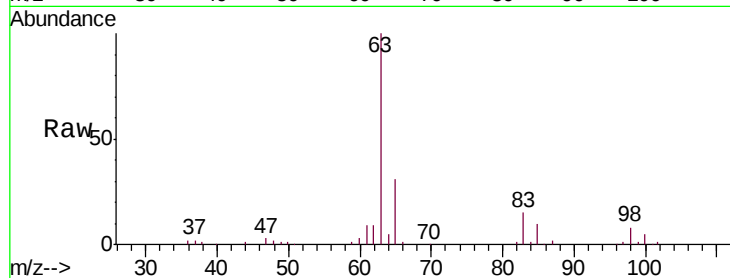
Tgt Ion: 63 Resp: 85593

Ion Ratio Lower Upper

63 100

65 31.3 23.5 43.7

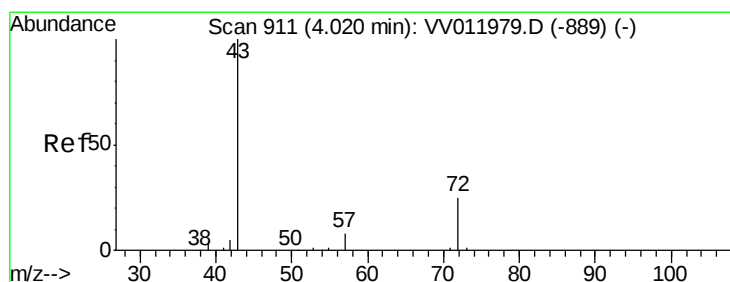
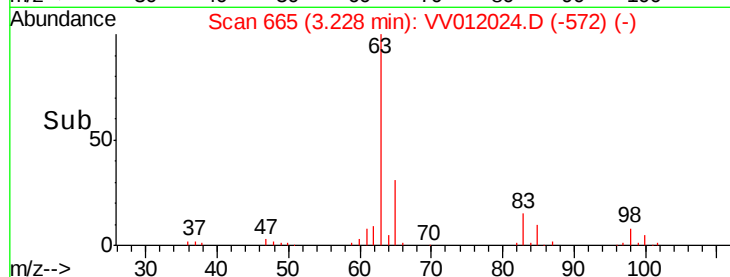
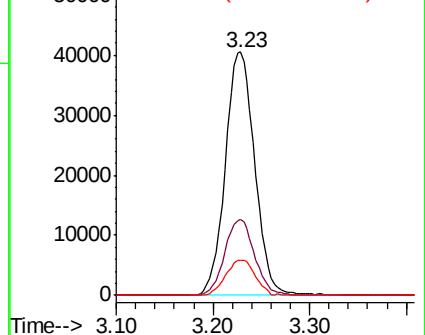
83 14.6 9.7 18.1



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: 50.968 ug/L

RT: 4.05 min Scan# 922

Delta R.T. 0.01 min

Lab File: VV012024.D

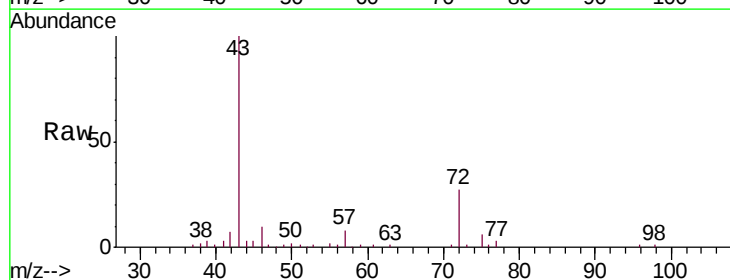
Acq: 25 Jul 2019 09:28

Tgt Ion: 43 Resp: 106619

Ion Ratio Lower Upper

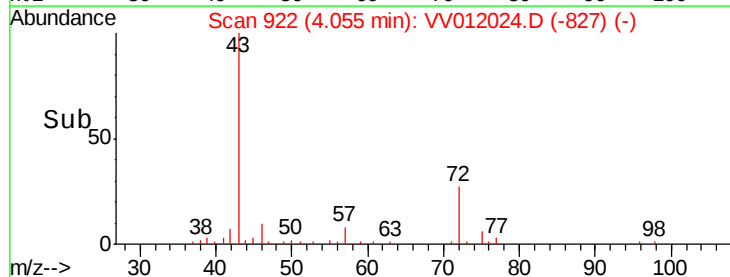
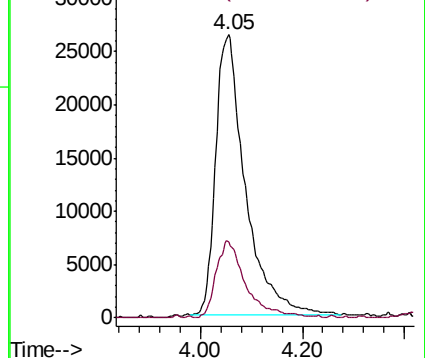
43 100

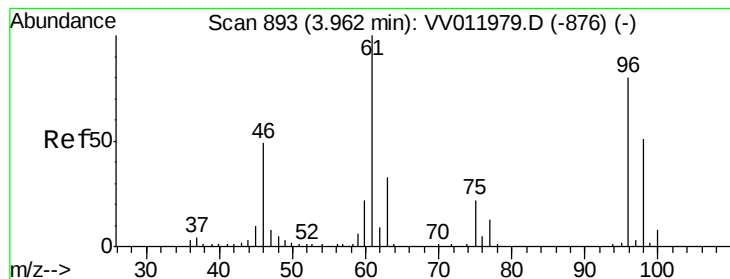
72 27.0 13.6 40.8



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 72.10 (71.80 to 72.80): VV0



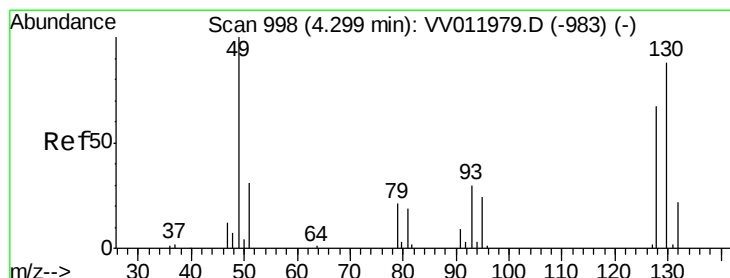
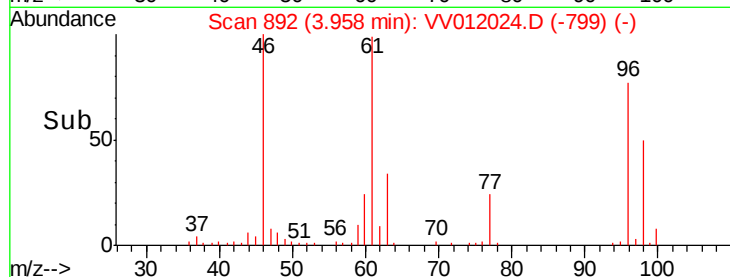
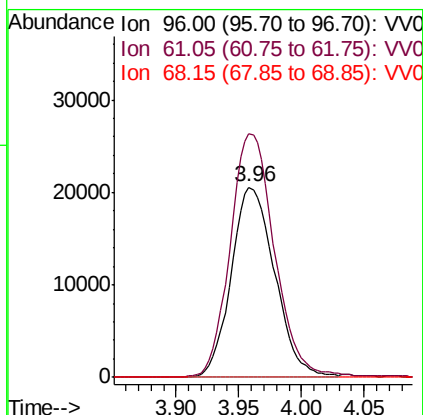
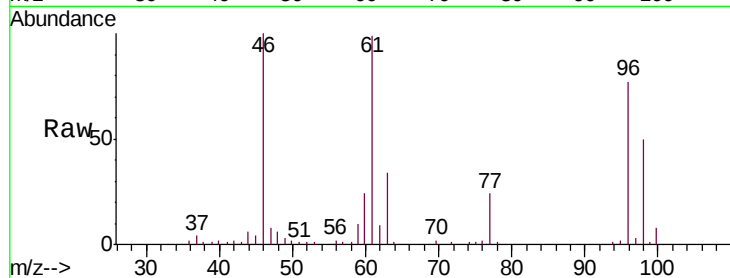


#22

cis-1,2-Dichloroethene
 Concen: 4.892 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. -0.00 min
 Lab File: VV012024.D
 Acq: 25 Jul 2019 09:28

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00549

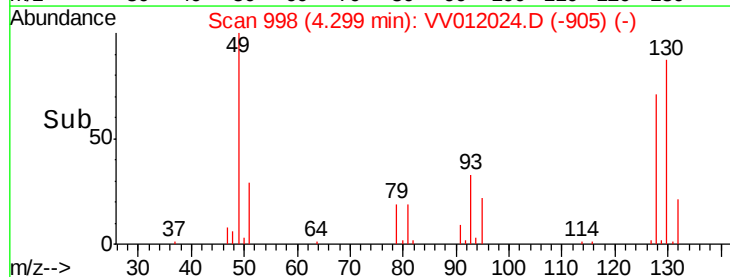
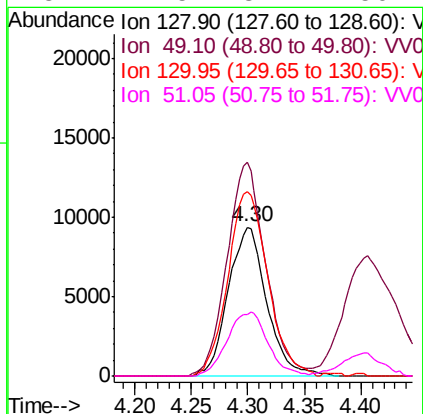
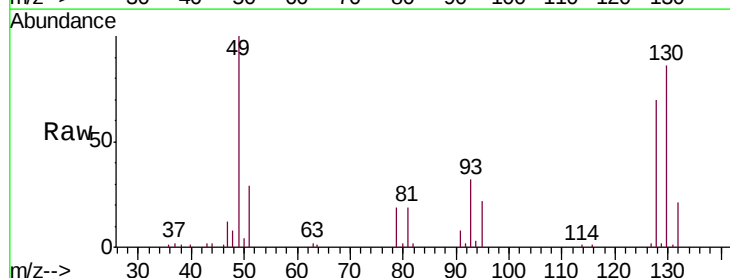
Tgt Ion: 96 Resp: 49617
 Ion Ratio Lower Upper
 96 100
 61 127.9 89.0 165.2
 68 0.0 0.0 0.0

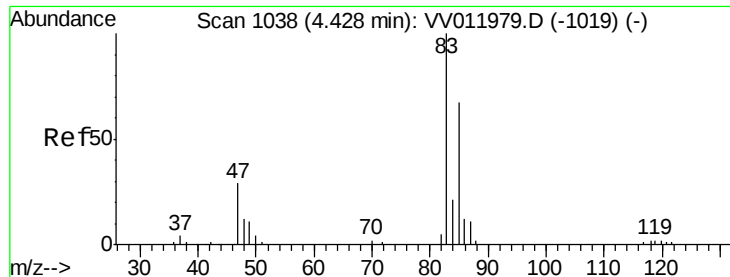


#23

Bromochloromethane
 Concen: 5.328 ug/L
 RT: 4.30 min Scan# 998
 Delta R.T. -0.00 min
 Lab File: VV012024.D
 Acq: 25 Jul 2019 09:28

Tgt Ion: 128 Resp: 22219
 Ion Ratio Lower Upper
 128 100
 49 143.3 105.5 195.9
 130 123.5 88.4 164.2
 51 41.5 37.4 56.2

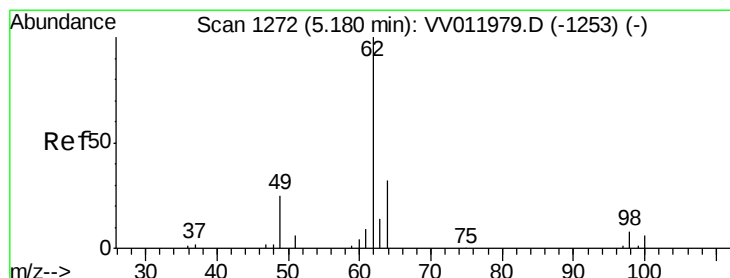
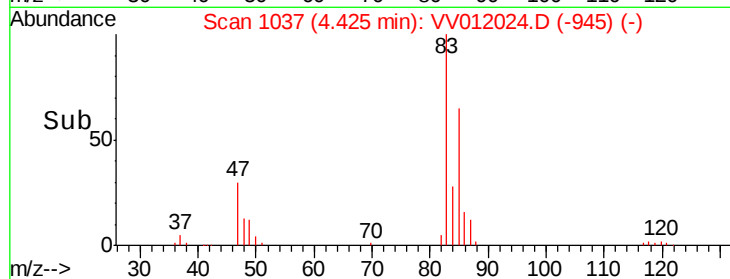
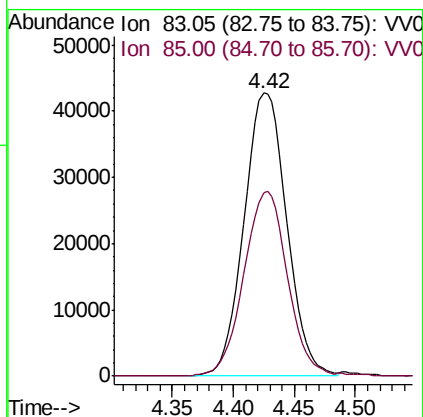
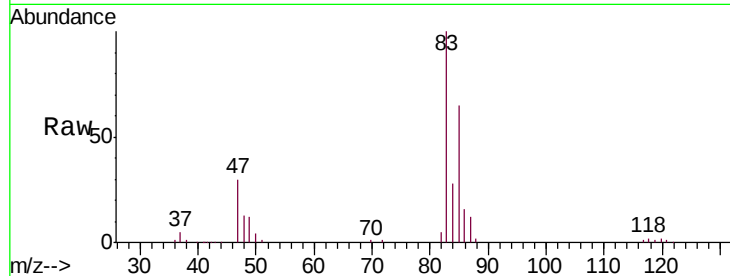




#25
Chloroform
Concen: 5.145 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV012024.D
Acq: 25 Jul 2019 09:28

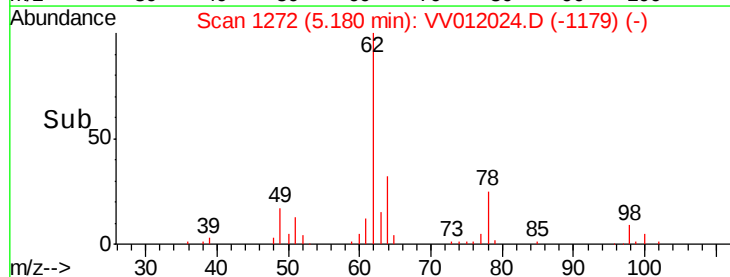
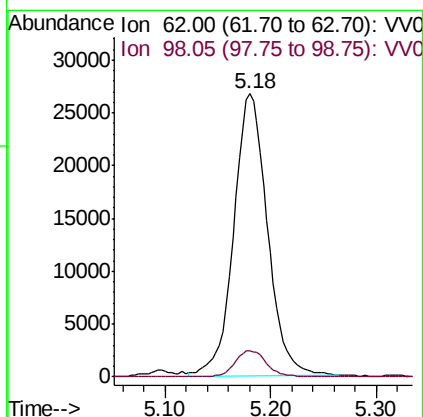
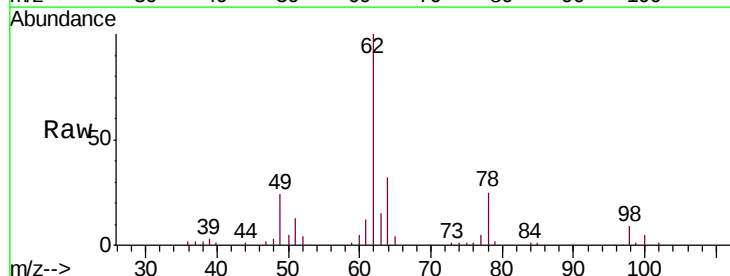
Instrument :
MSVOA_V
ClientSampleId :
VSTD00549

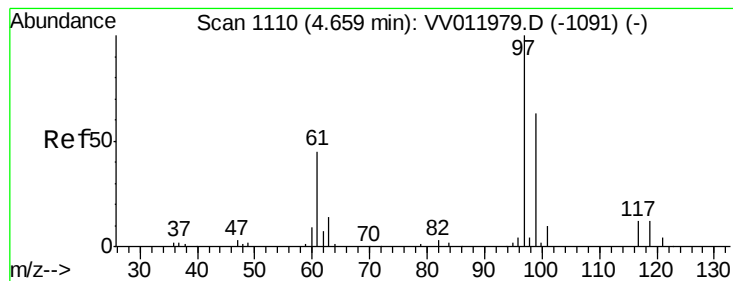
Tgt Ion: 83 Resp: 103569
Ion Ratio Lower Upper
83 100
85 64.7 46.5 86.3



#27
1,2-Dichloroethane
Concen: 5.282 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VV012024.D
Acq: 25 Jul 2019 09:28

Tgt Ion: 62 Resp: 59124
Ion Ratio Lower Upper
62 100
98 9.1 7.0 10.6





#29

1,1,1-Trichloroethane

Concen: 5.352 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VV012024.D

Acq: 25 Jul 2019 09:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD00549

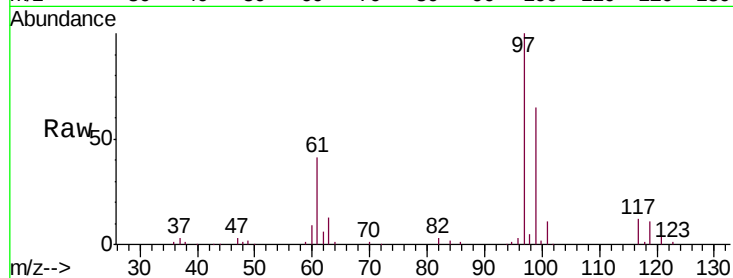
Tgt Ion: 97 Resp: 87144

Ion Ratio Lower Upper

97 100

99 64.8 51.7 77.5

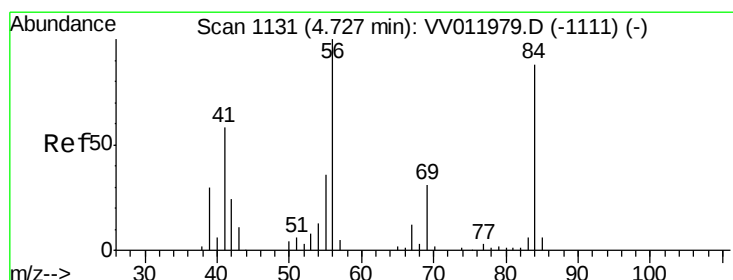
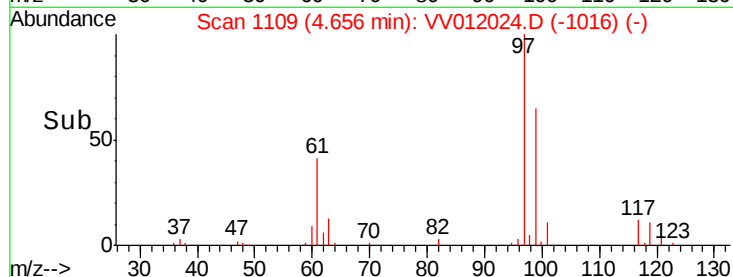
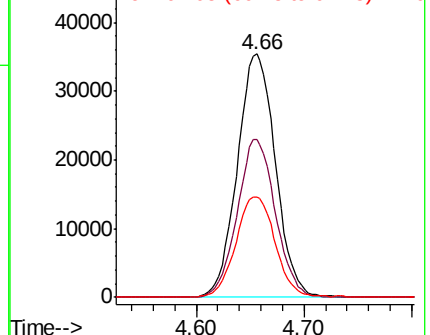
61 42.8 35.1 52.7



Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0



#30

Cyclohexane

Concen: 4.800 ug/L

RT: 4.72 min Scan# 1129

Delta R.T. -0.00 min

Lab File: VV012024.D

Acq: 25 Jul 2019 09:28

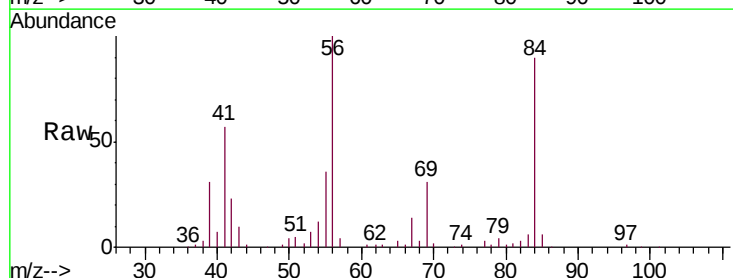
Tgt Ion: 56 Resp: 73823

Ion Ratio Lower Upper

56 100

69 32.0 25.4 38.2

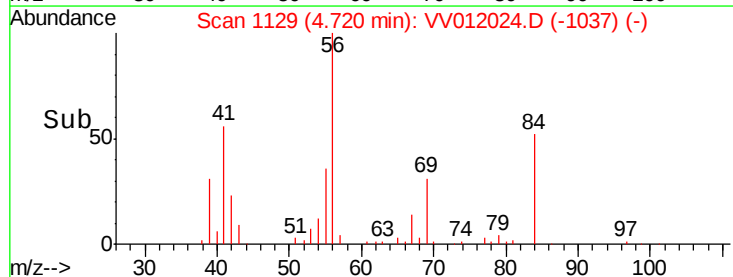
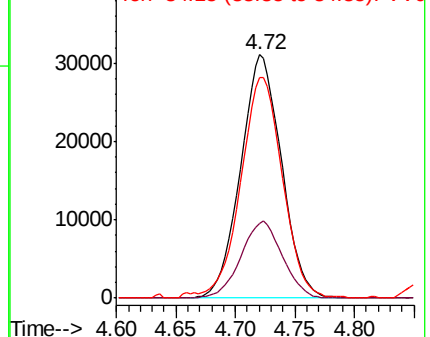
84 92.4 73.4 110.0

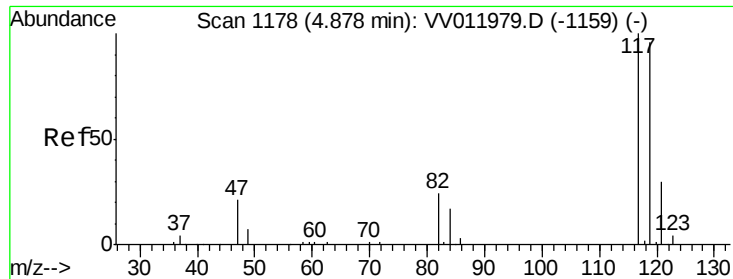


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0

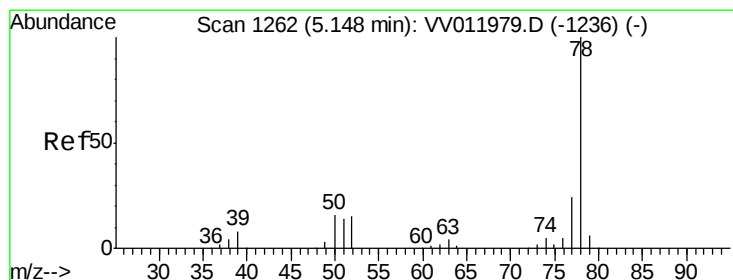
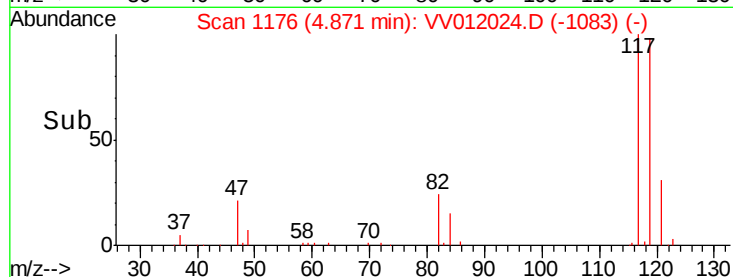
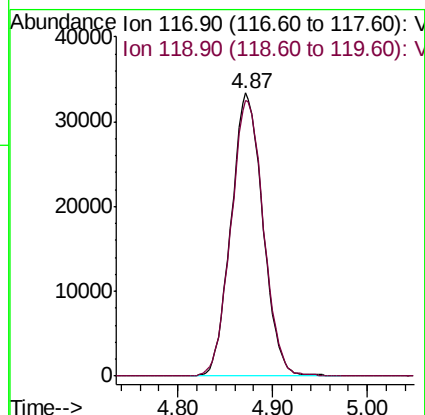
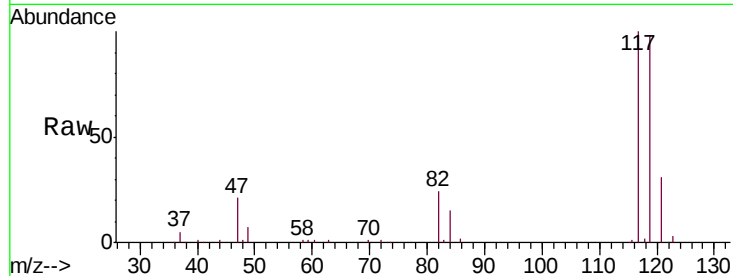




#31
Carbon tetrachloride
Concen: 5.320 ug/L
RT: 4.87 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VV012024.D
Acq: 25 Jul 2019 09:28

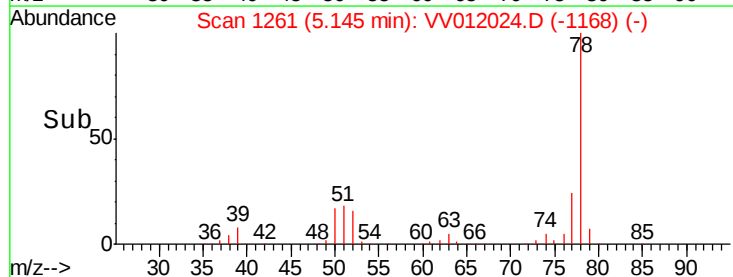
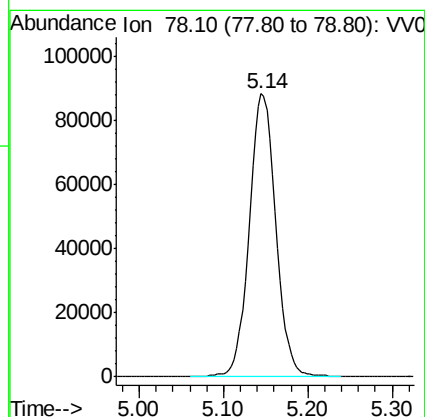
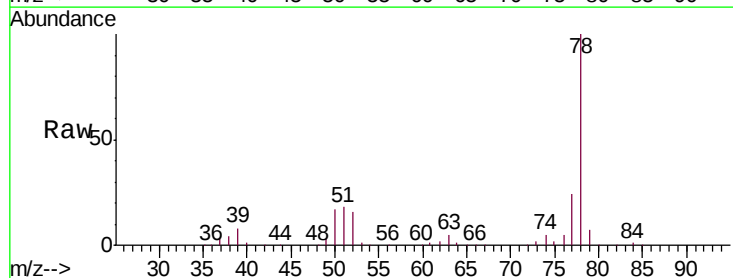
Instrument :
MSVOA_V
ClientSampleId :
VSTD00549

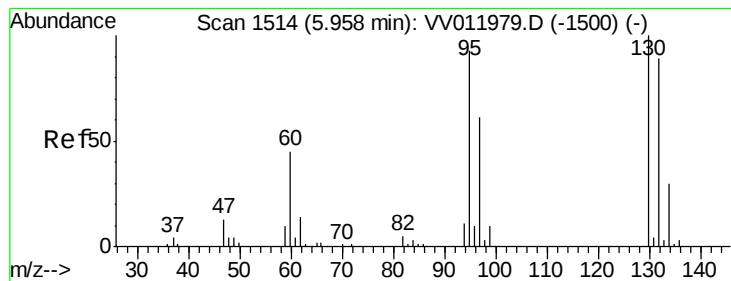
Tgt Ion:117 Resp: 77971
Ion Ratio Lower Upper
117 100
119 99.5 76.4 114.6



#33
Benzene
Concen: 5.170 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. -0.00 min
Lab File: VV012024.D
Acq: 25 Jul 2019 09:28

Tgt Ion: 78 Resp: 193467





#34

Trichloroethene

Concen: 5.201 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. -0.00 min

Lab File: VV012024.D

Acq: 25 Jul 2019 09:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD00549

Tgt Ion: 95 Resp: 54050

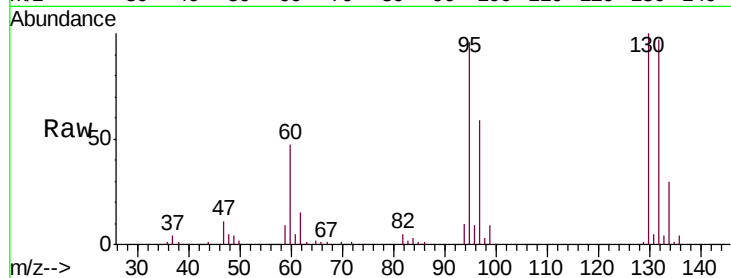
Ion Ratio Lower Upper

95 100

97 61.8 45.6 84.6

132 101.2 71.3 132.3

130 104.0 72.8 135.2

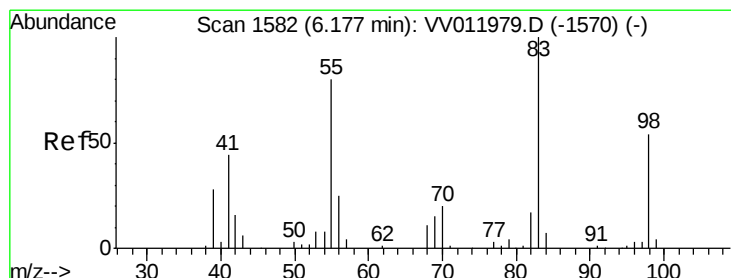
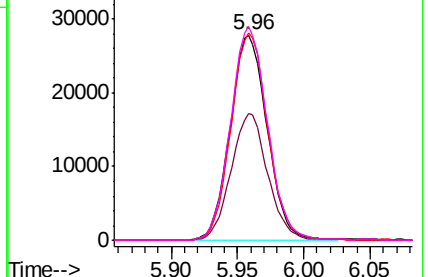
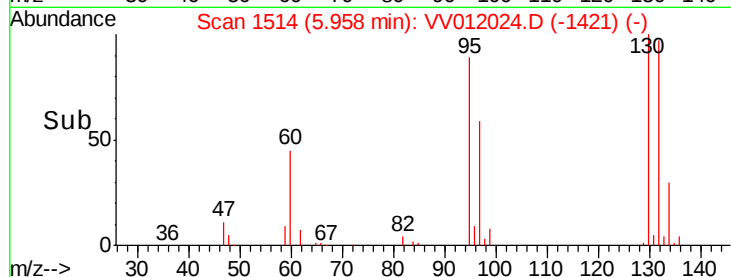


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 5.016 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VV012024.D

Acq: 25 Jul 2019 09:28

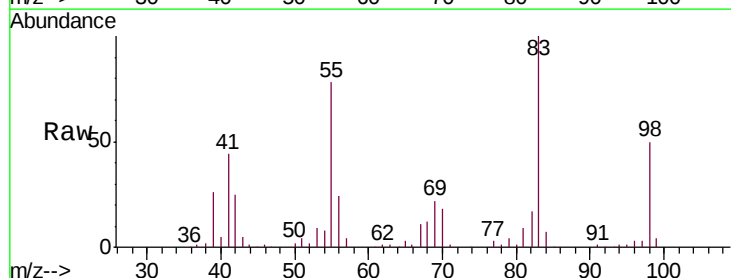
Tgt Ion: 83 Resp: 81121

Ion Ratio Lower Upper

83 100

55 77.3 63.0 94.4

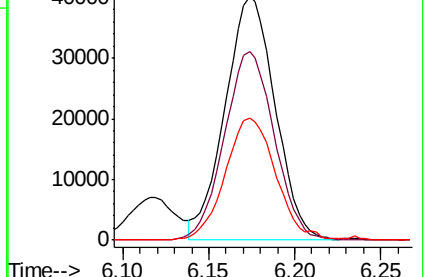
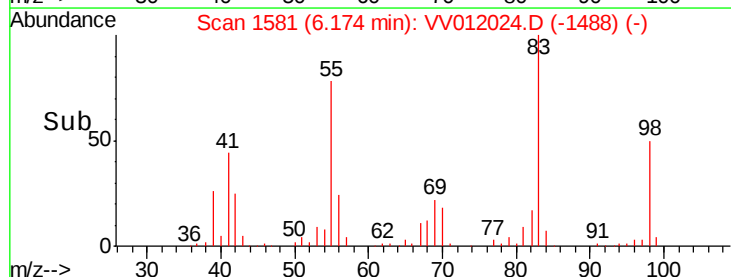
98 50.7 41.4 62.0

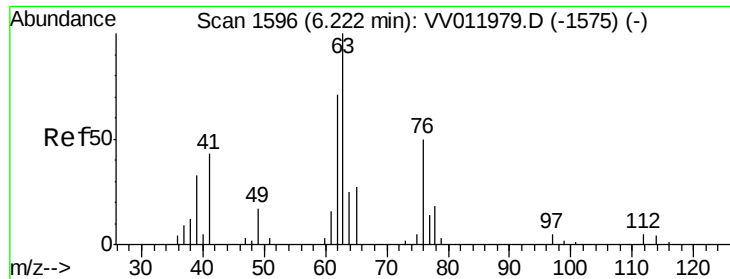


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

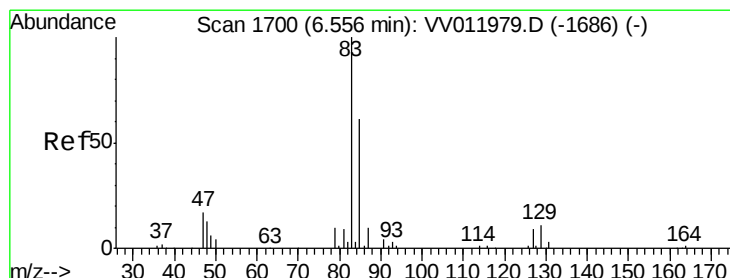
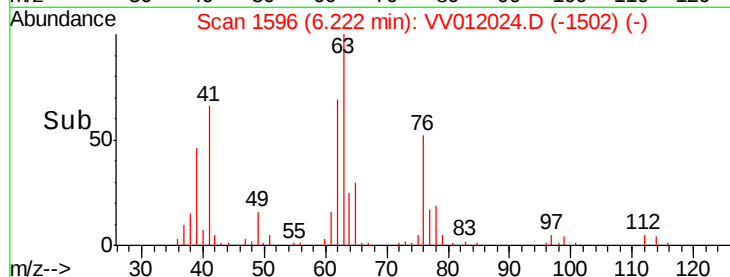
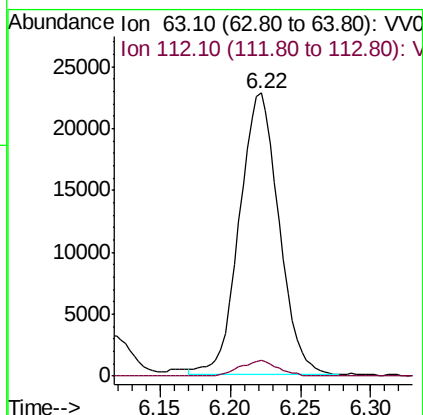
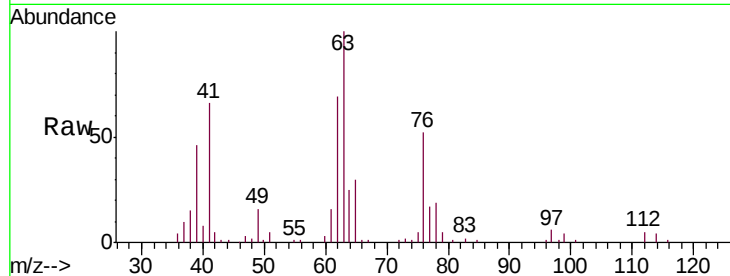




#37
 1,2-Dichloropropane
 Concen: 4.968 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. 0.00 min
 Lab File: VV012024.D
 Acq: 25 Jul 2019 09:28

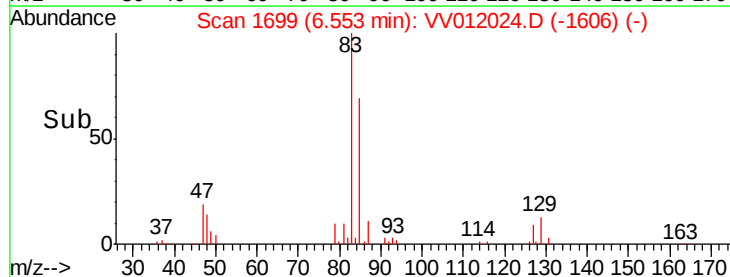
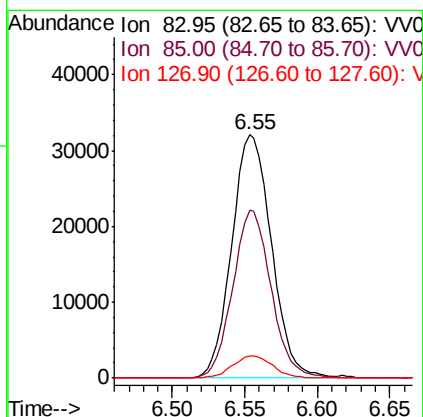
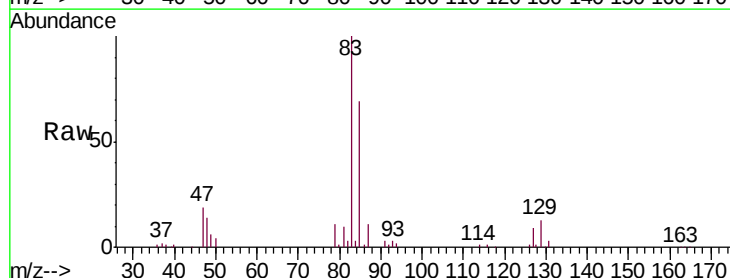
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00549

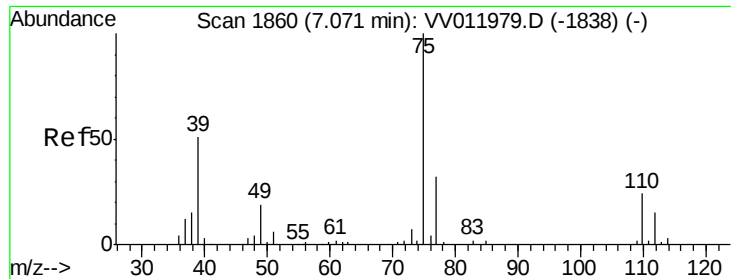
Tgt Ion: 63 Resp: 44688
 Ion Ratio Lower Upper
 63 100
 112 5.3 4.2 6.4



#38
 Bromodichloromethane
 Concen: 5.087 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VV012024.D
 Acq: 25 Jul 2019 09:28

Tgt Ion: 83 Resp: 61146
 Ion Ratio Lower Upper
 83 100
 85 68.9 44.4 82.4
 127 9.1 7.9 11.9

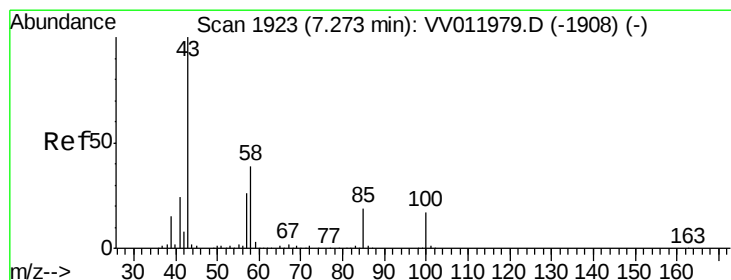
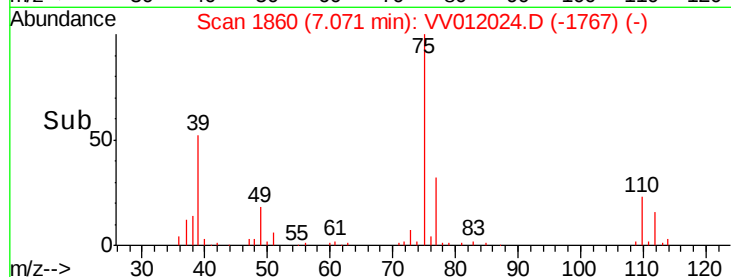
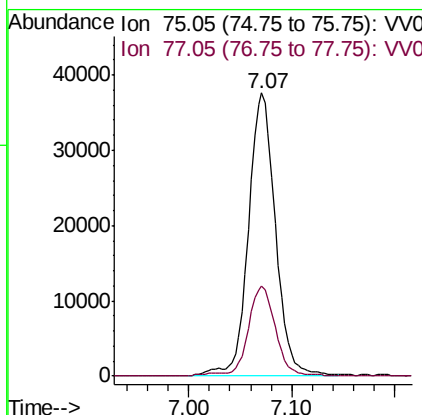
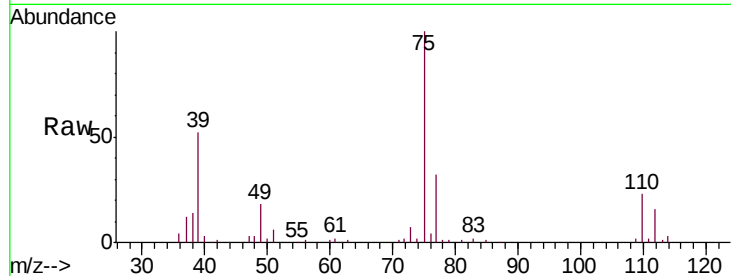




#39
 cis-1,3-Dichloropropene
 Concen: 5.146 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VV012024.D
 Acq: 25 Jul 2019 09:28

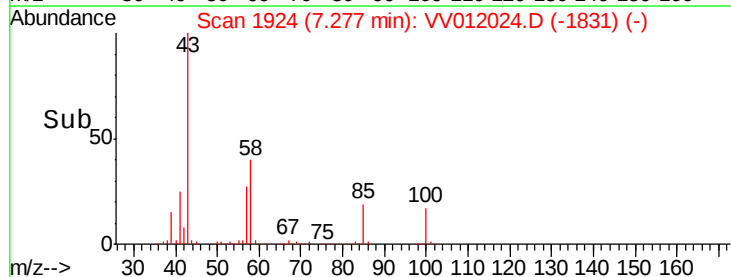
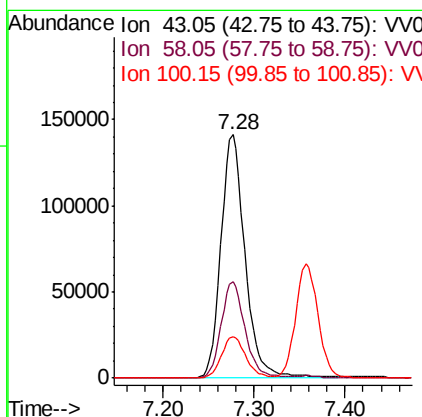
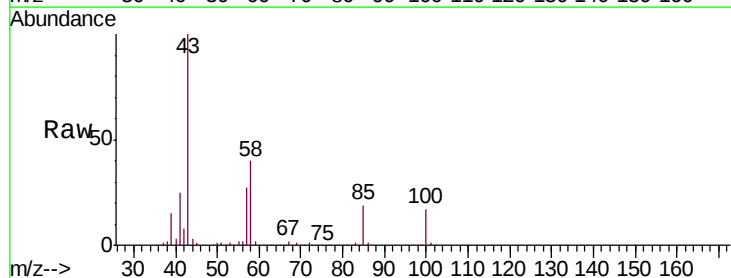
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00549

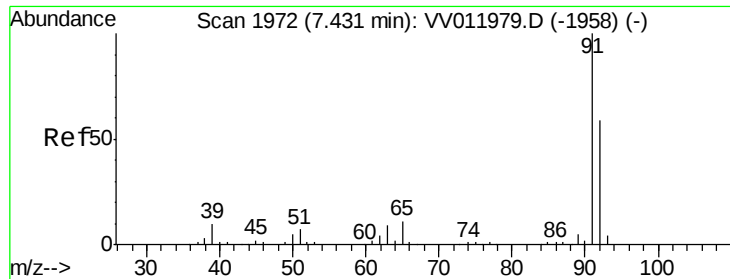
Tgt Ion: 75 Resp: 68609
 Ion Ratio Lower Upper
 75 100
 77 31.6 21.3 39.6



#40
 4-Methyl-2-pentanone
 Concen: 51.935 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. -0.00 min
 Lab File: VV012024.D
 Acq: 25 Jul 2019 09:28

Tgt Ion: 43 Resp: 261037
 Ion Ratio Lower Upper
 43 100
 58 39.0 31.2 46.8
 100 17.0 13.5 20.3





#42

Toluene

Concen: 5.256 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV012024.D

Acq: 25 Jul 2019 09:28

Instrument :

MSVOA_V

ClientSampleId :

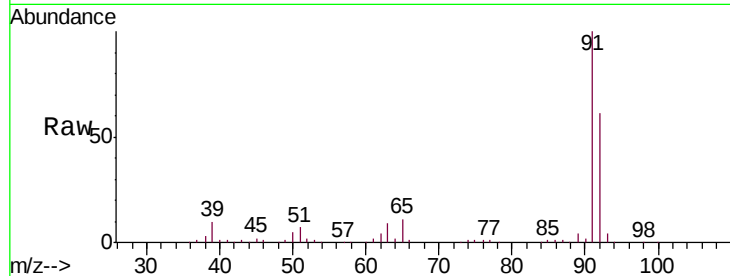
VSTD00549

Tgt Ion: 91 Resp: 211096

Ion Ratio Lower Upper

91 100

92 61.2 41.9 77.9



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

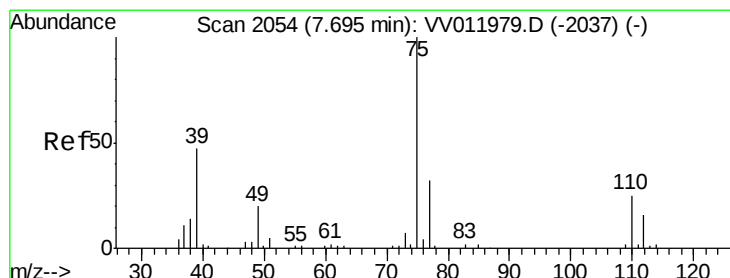
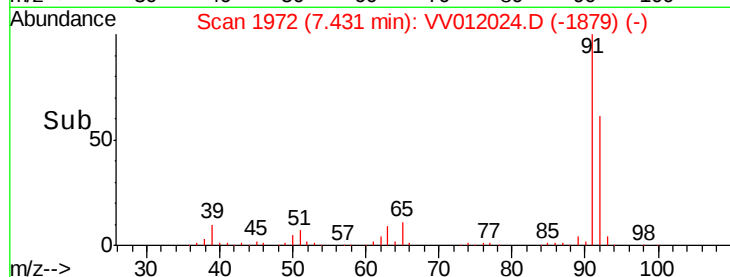
7.43

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.253 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. -0.00 min

Lab File: VV012024.D

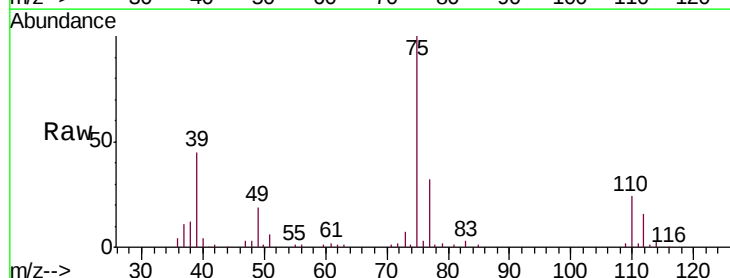
Acq: 25 Jul 2019 09:28

Tgt Ion: 75 Resp: 55712

Ion Ratio Lower Upper

75 100

77 31.6 22.0 40.8



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.69

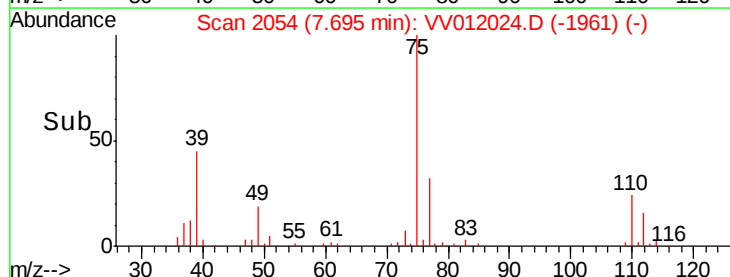
30000

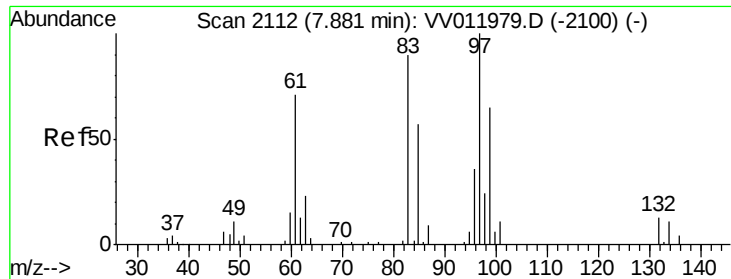
20000

10000

0

Time-->

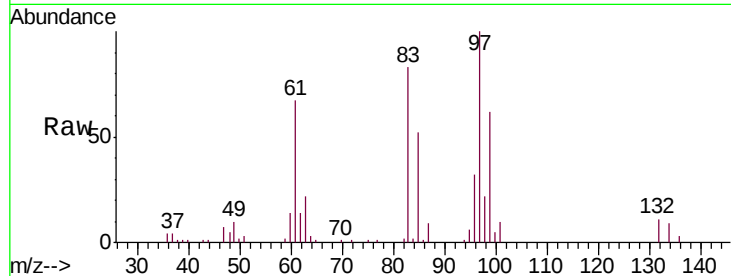




#45
 1,1,2-Trichloroethane
 Concen: 5.198 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VV012024.D
 Acq: 25 Jul 2019 09:28

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00549

Tgt Ion:	97	Resp:	32295
Ion	Ratio	Lower	Upper
97	100		
99	62.2	44.0	81.8
83	82.8	59.5	110.5
85	52.1	36.6	68.0



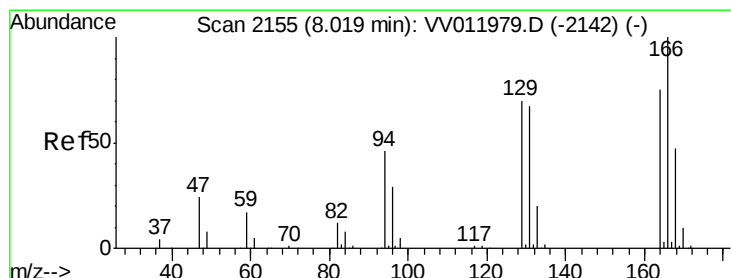
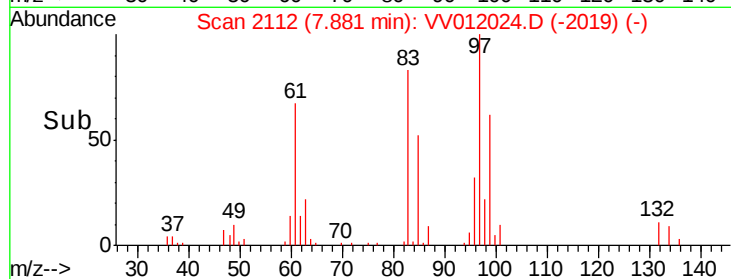
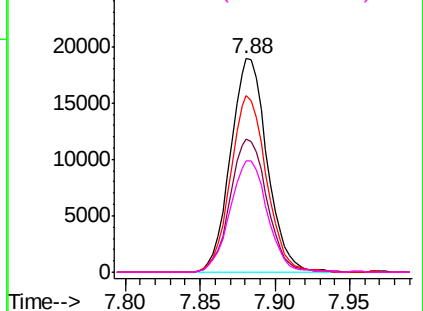
Abundance

Ion 96.95 (96.65 to 97.65): VV011979.D (-2100) (-)

Ion 99.05 (98.75 to 99.75): VV011979.D (-2100) (-)

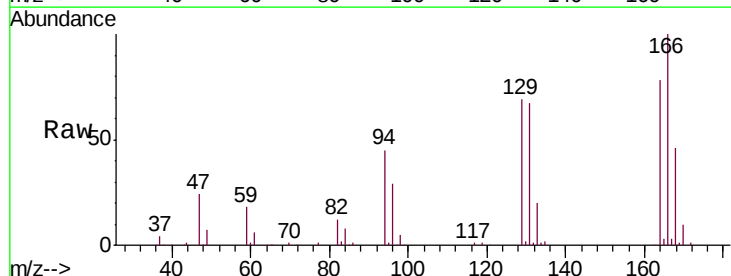
Ion 82.95 (82.65 to 83.65): VV011979.D (-2100) (-)

Ion 85.00 (84.70 to 85.70): VV011979.D (-2100) (-)



#47
 Tetrachloroethene
 Concen: 5.314 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV012024.D
 Acq: 25 Jul 2019 09:28

Tgt Ion:	164	Resp:	47647
Ion	Ratio	Lower	Upper
164	100		
129	89.0	62.5	116.1
131	86.6	58.6	108.8
166	128.6	88.2	163.8



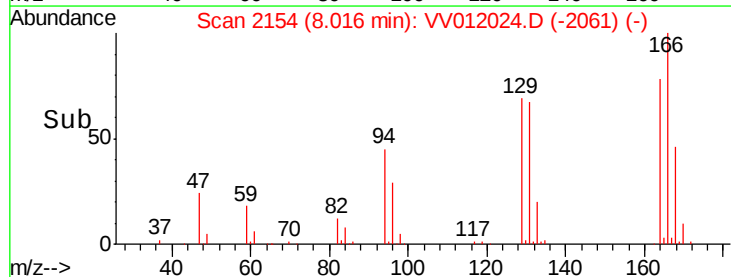
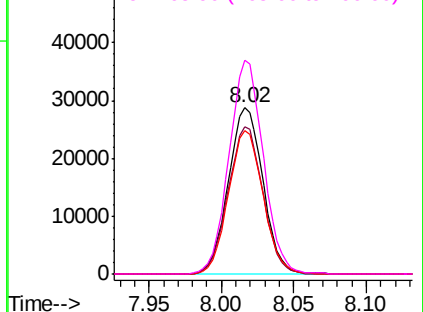
Abundance

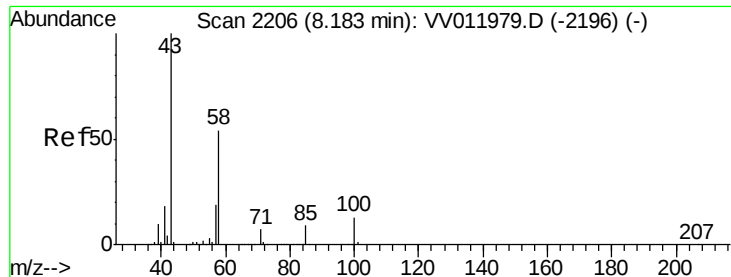
Ion 163.90 (163.60 to 164.60): VV011979.D (-2142) (-)

Ion 128.95 (128.65 to 129.65): VV011979.D (-2142) (-)

Ion 130.95 (130.65 to 131.65): VV011979.D (-2142) (-)

Ion 165.90 (165.60 to 166.60): VV011979.D (-2142) (-)

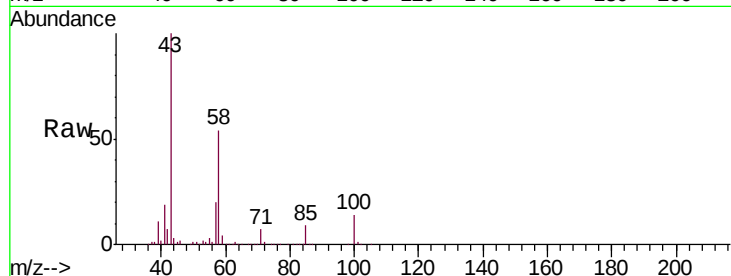




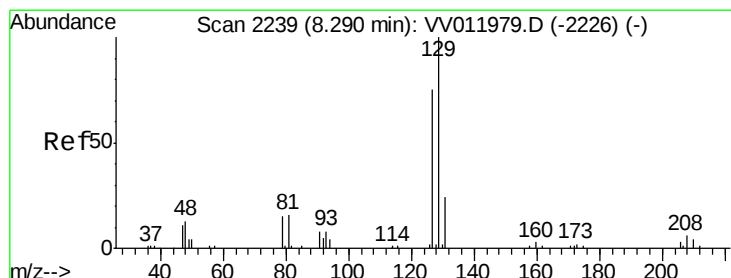
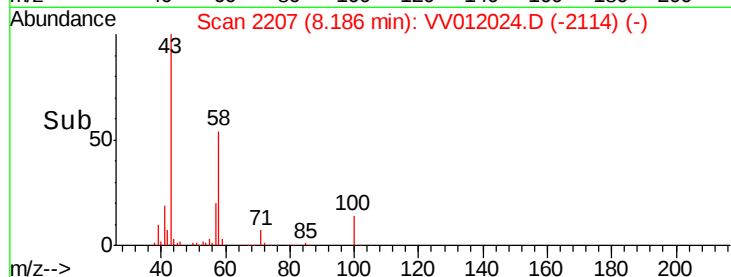
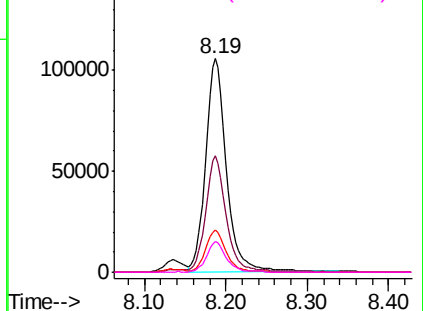
#48
2-Hexanone
Concen: 53.425 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. -0.00 min
Lab File: VV012024.D
Acq: 25 Jul 2019 09:28

Instrument :
MSVOA_V
ClientSampleId :
VSTD00549

Tgt Ion: 43 Resp: 188372
Ion Ratio Lower Upper
43 100
58 53.7 43.7 65.5
57 19.8 16.0 24.0
100 13.6 10.5 15.7

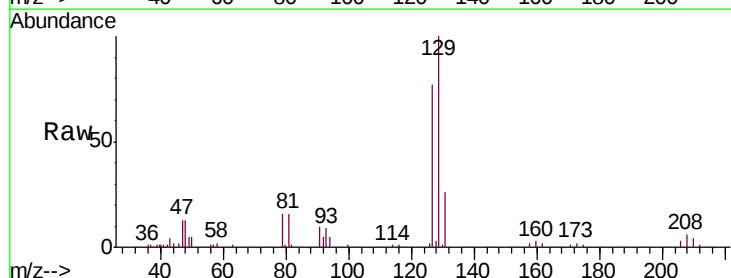


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

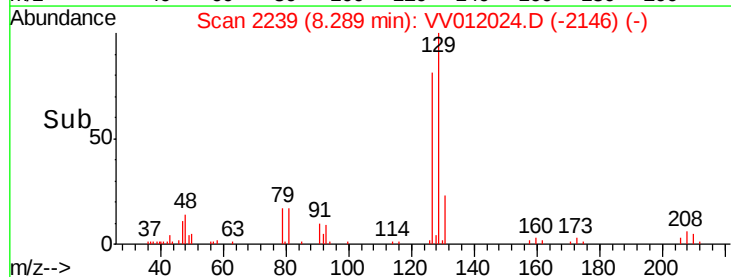
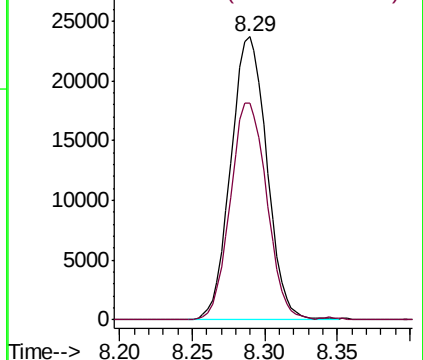


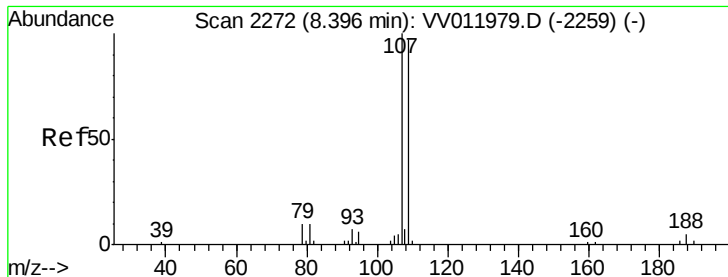
#49
Dibromochloromethane
Concen: 5.383 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV012024.D
Acq: 25 Jul 2019 09:28

Tgt Ion: 129 Resp: 40952
Ion Ratio Lower Upper
129 100
127 76.6 55.3 102.7



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

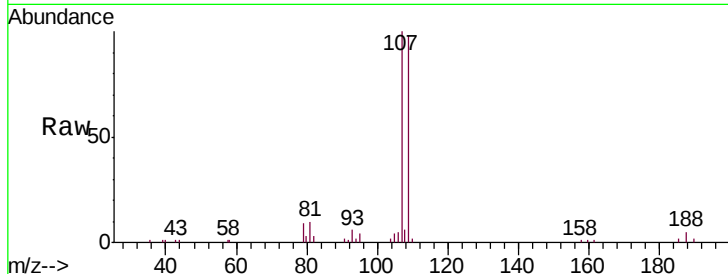




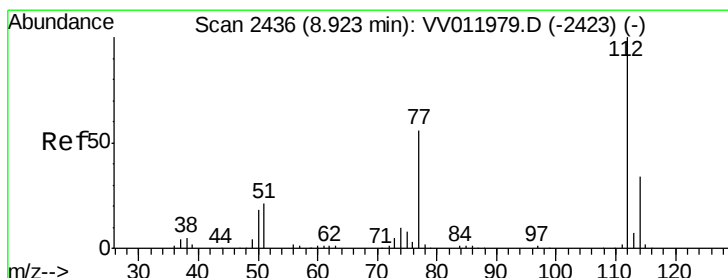
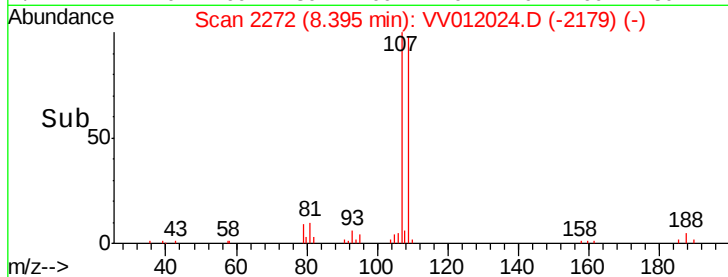
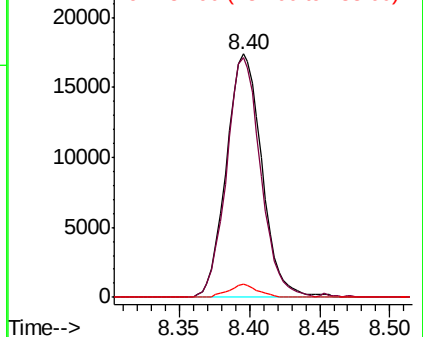
#50
1,2-Dibromoethane
Concen: 5.226 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VV012024.D
Acq: 25 Jul 2019 09:28

Instrument :
MSVOA_V
ClientSampleId :
VSTD00549

Tgt Ion:107 Resp: 30656
Ion Ratio Lower Upper
107 100
109 98.4 68.1 126.5
188 5.3 3.5 5.3#

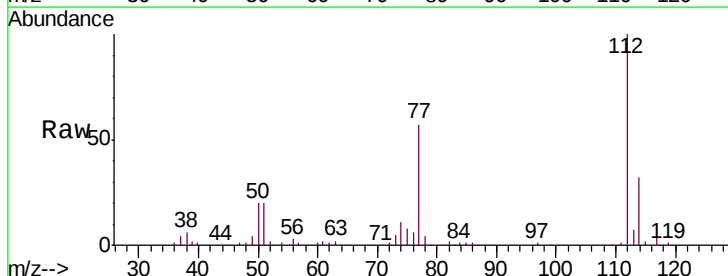


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

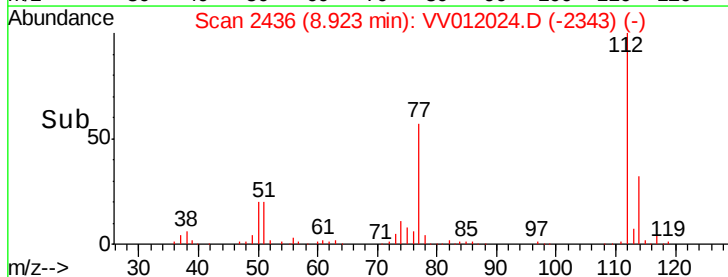
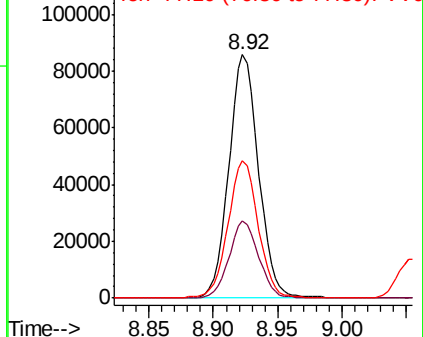


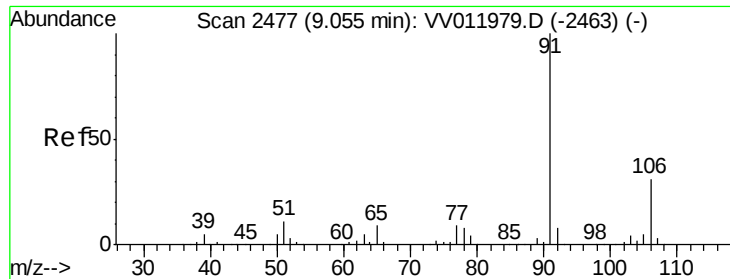
#51
Chlorobenzene
Concen: 5.208 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. -0.00 min
Lab File: VV012024.D
Acq: 25 Jul 2019 09:28

Tgt Ion:112 Resp: 136966
Ion Ratio Lower Upper
112 100
114 31.6 23.0 42.8
77 56.6 46.4 69.6



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: 5.160 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV012024.D

Acq: 25 Jul 2019 09:28

Instrument :

MSVOA_V

ClientSampleId :

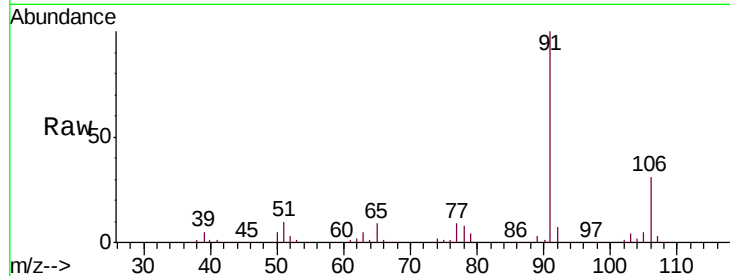
VSTD00549

Tgt Ion: 91 Resp: 236551

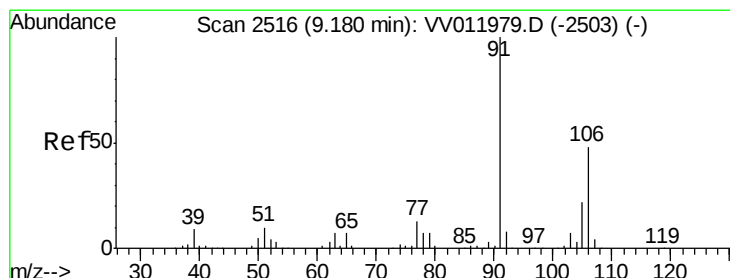
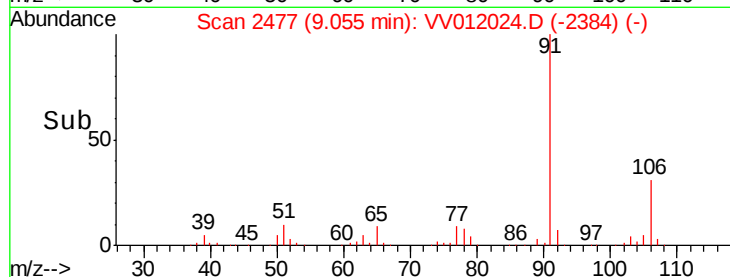
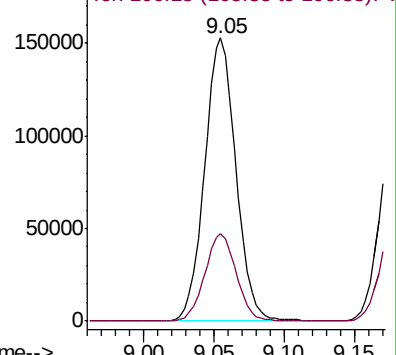
Ion Ratio Lower Upper

91 100

106 30.8 21.6 40.0



Abundance Ion 91.15 (90.85 to 91.85): VV011979.D (-2463) (-)



#53

m,p-xylene

Concen: 5.350 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV012024.D

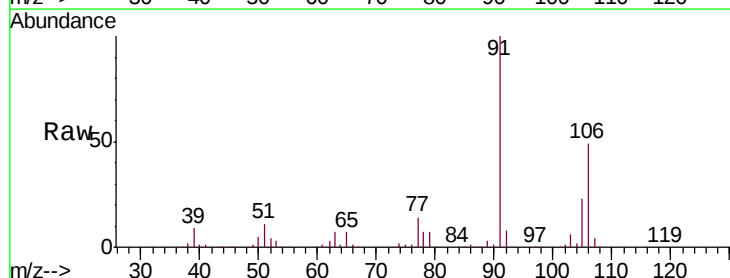
Acq: 25 Jul 2019 09:28

Tgt Ion: 106 Resp: 93357

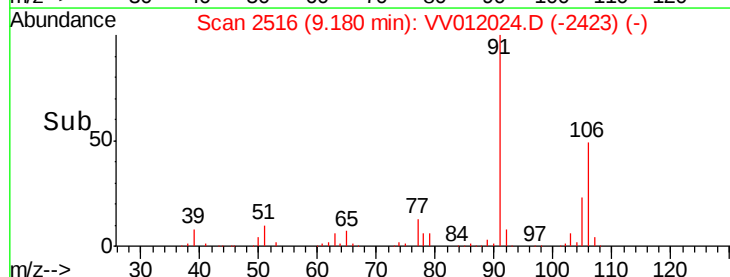
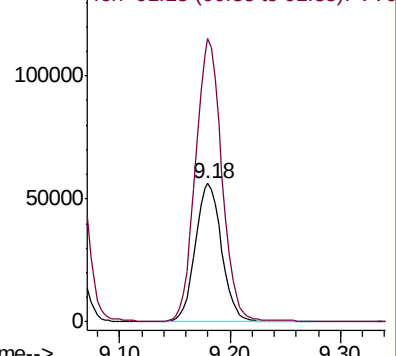
Ion Ratio Lower Upper

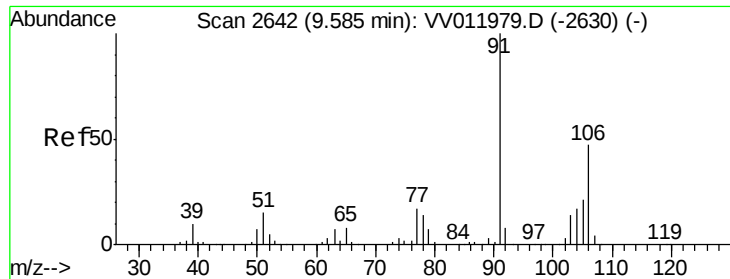
106 100

91 204.3 142.7 265.1



Abundance Ion 106.15 (105.85 to 106.85): VV011979.D (-2503) (-)





#54

o-xylene

Concen: 5.325 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. -0.00 min

Lab File: VV012024.D

Acq: 25 Jul 2019 09:28

Instrument :

MSVOA_V

ClientSampleId :

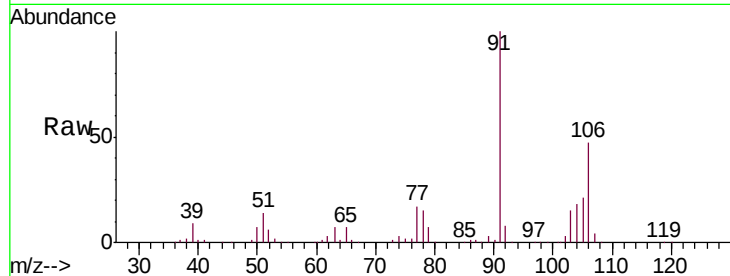
VSTD00549

Tgt Ion:106 Resp: 88101

Ion Ratio Lower Upper

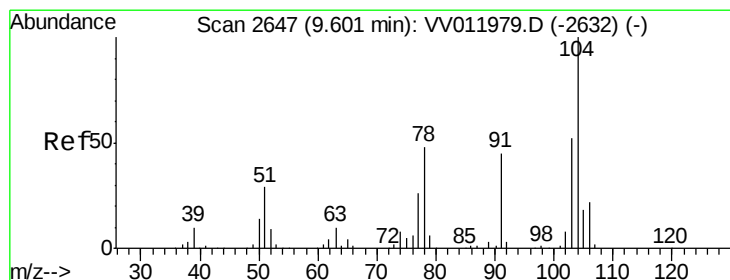
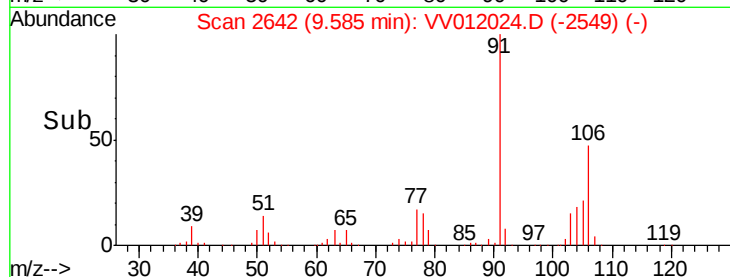
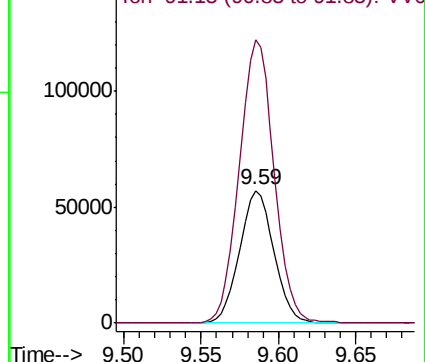
106 100

91 212.9 151.0 280.4



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.349 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. -0.00 min

Lab File: VV012024.D

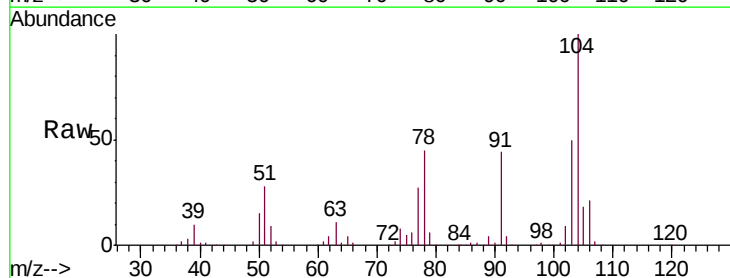
Acq: 25 Jul 2019 09:28

Tgt Ion:104 Resp: 149156

Ion Ratio Lower Upper

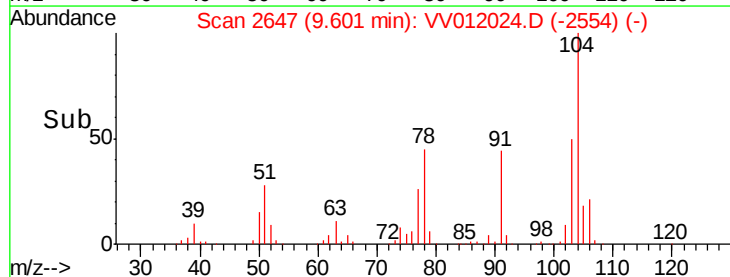
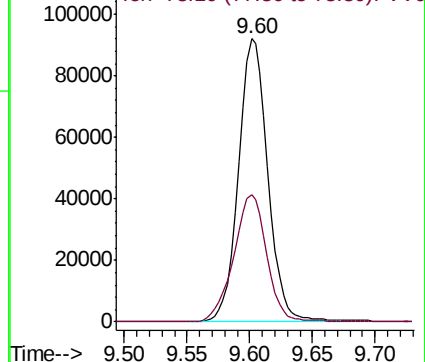
104 100

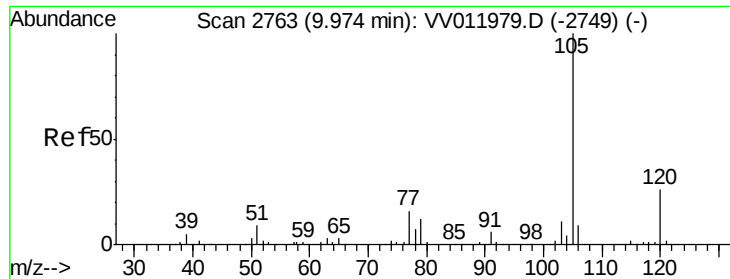
78 45.0 30.8 57.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.349 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV012024.D

Acq: 25 Jul 2019 09:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD00549

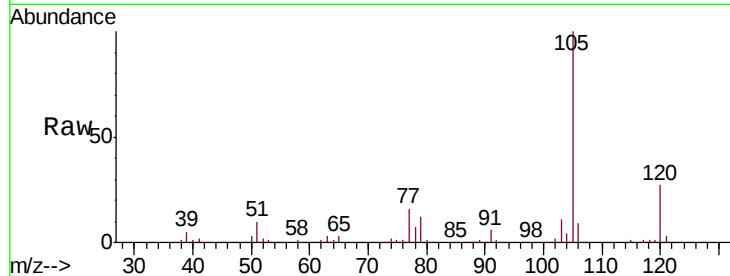
Tgt Ion: 105 Resp: 247162

Ion Ratio Lower Upper

105 100

120 26.3 20.8 31.2

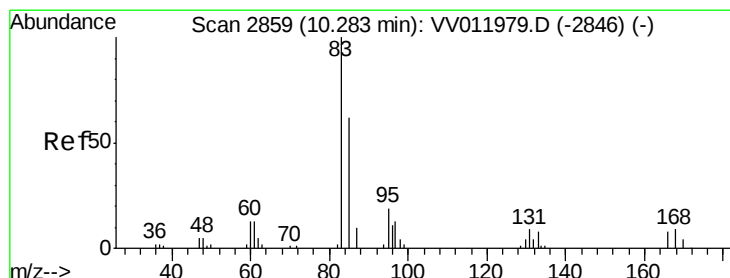
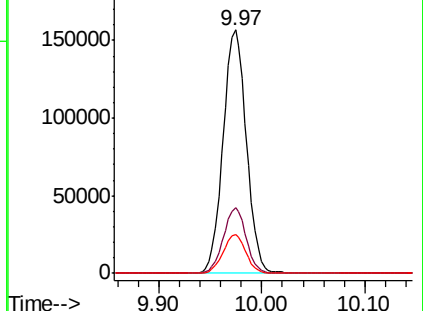
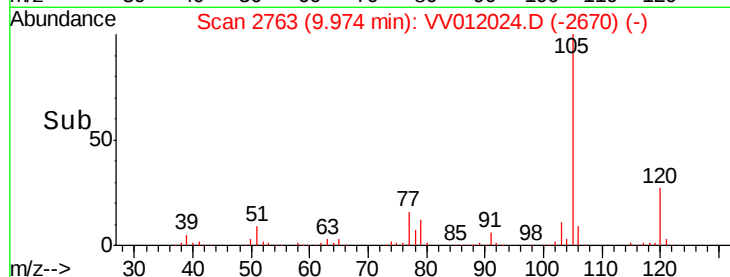
77 15.5 12.6 19.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.281 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VV012024.D

Acq: 25 Jul 2019 09:28

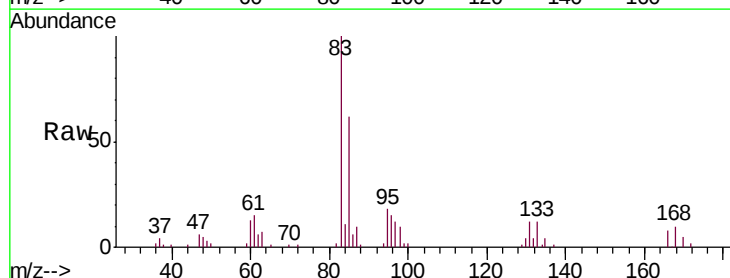
Tgt Ion: 83 Resp: 35564

Ion Ratio Lower Upper

83 100

85 62.4 46.3 85.9

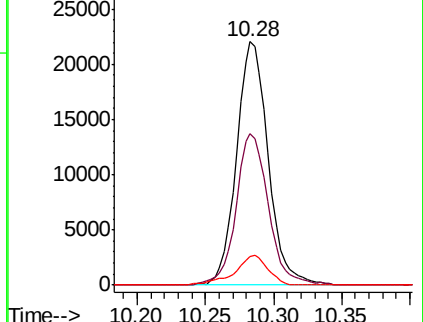
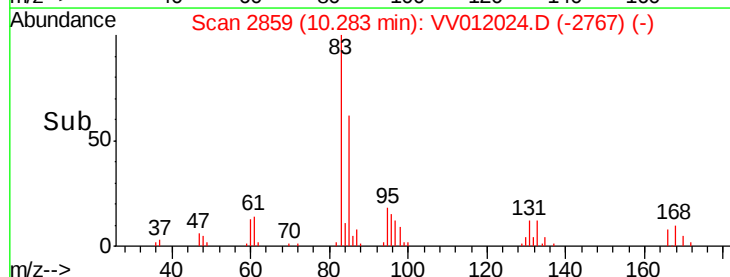
131 11.9 8.9 13.3

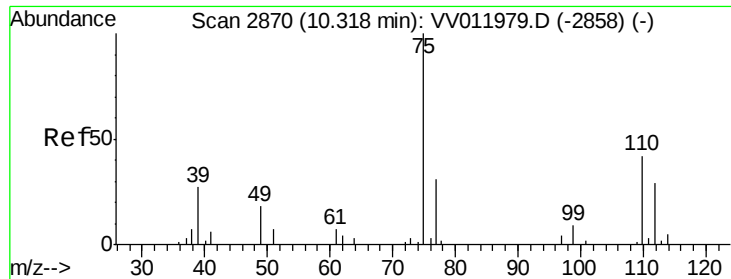


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

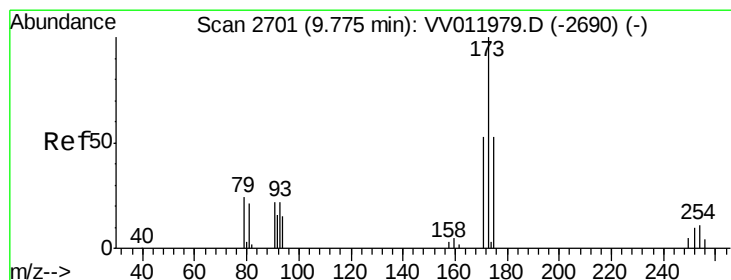
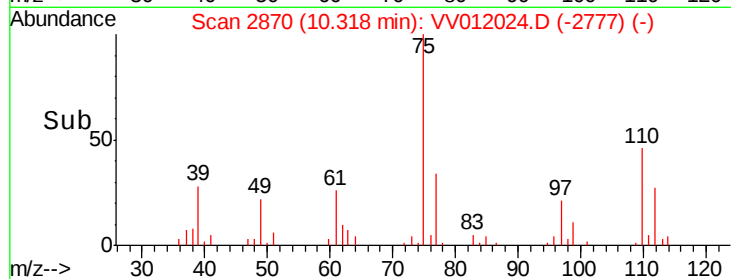
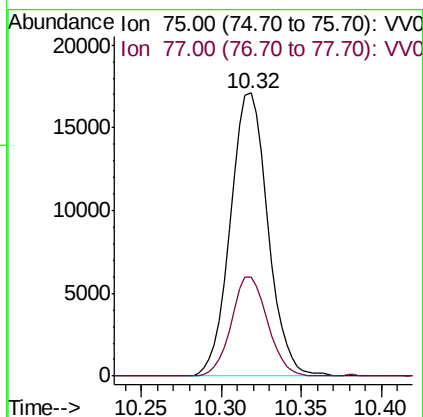
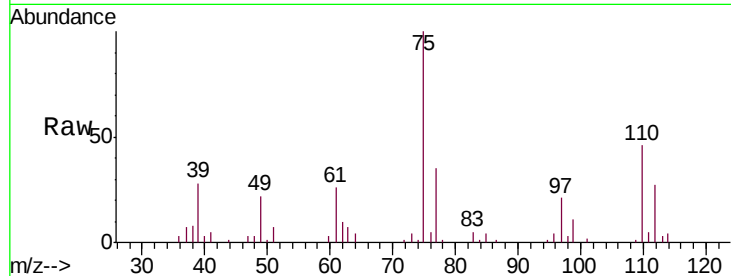




#59
 1,2,3-Trichloropropane
 Concen: 5.194 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: VV012024.D
 Acq: 25 Jul 2019 09:28

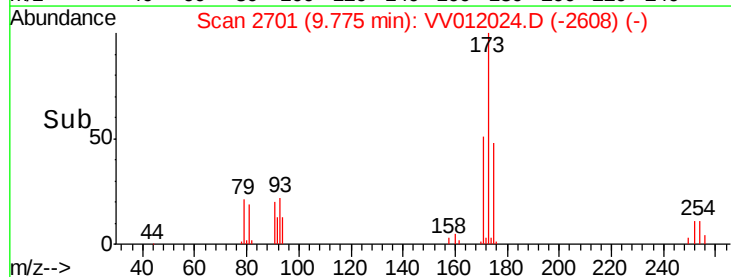
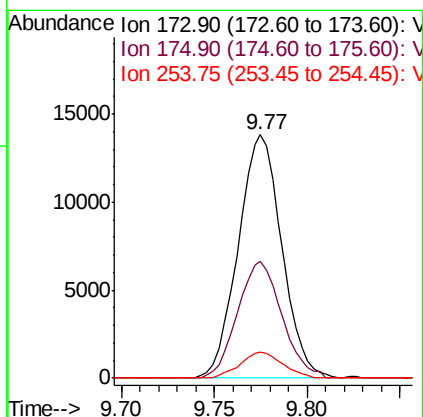
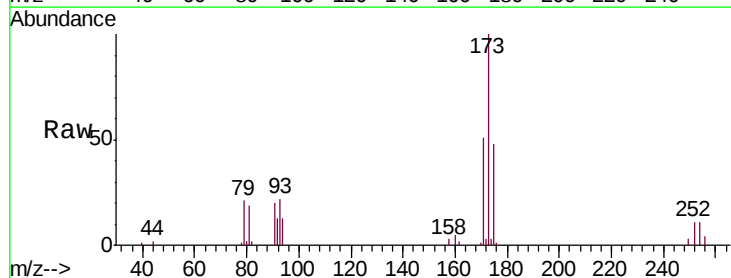
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00549

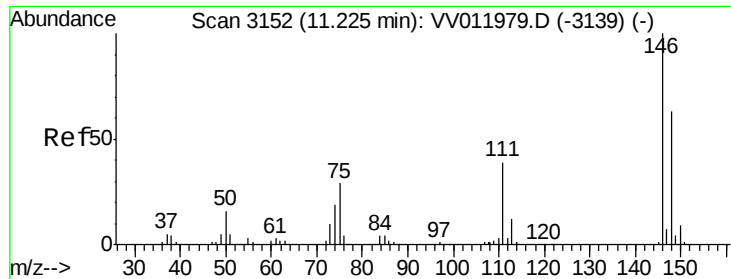
Tgt Ion: 75 Resp: 27255
 Ion Ratio Lower Upper
 75 100
 77 33.8 26.2 39.2



#61
 Bromoform
 Concen: 5.587 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. -0.00 min
 Lab File: VV012024.D
 Acq: 25 Jul 2019 09:28

Tgt Ion: 173 Resp: 22603
 Ion Ratio Lower Upper
 173 100
 175 48.7 39.6 59.4
 254 10.3 7.9 11.9

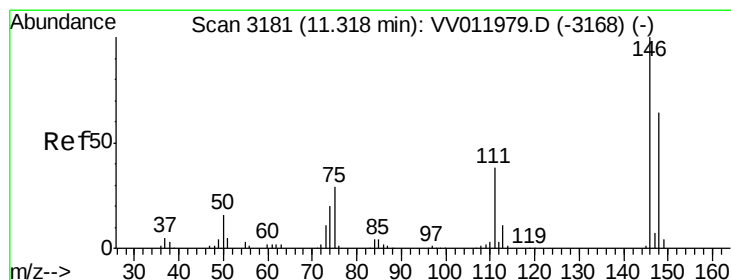
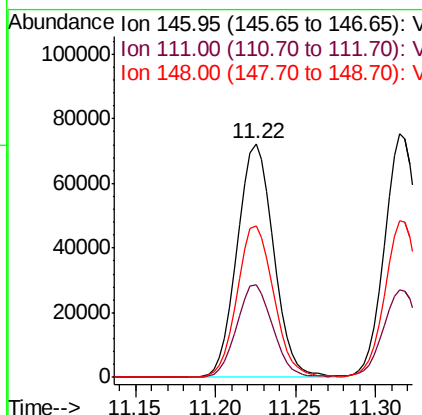
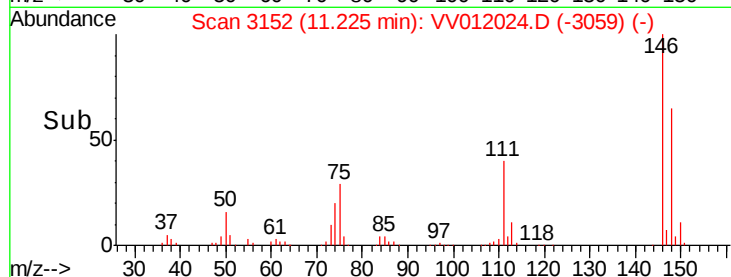
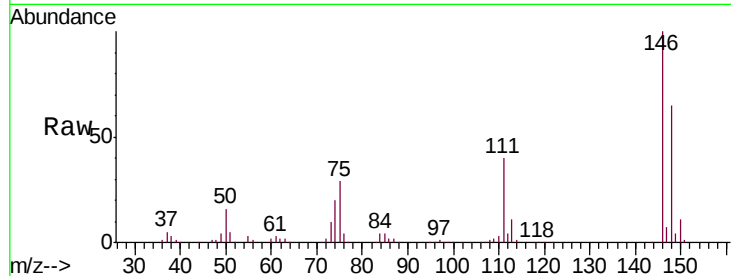




#62
 1,3-Dichlorobenzene
 Concen: 5.196 ug/L
 RT: 11.22 min Scan# 3152
 Delta R.T. -0.00 min
 Lab File: VV012024.D
 Acq: 25 Jul 2019 09:28

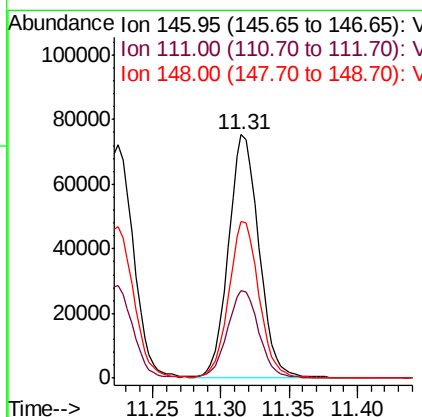
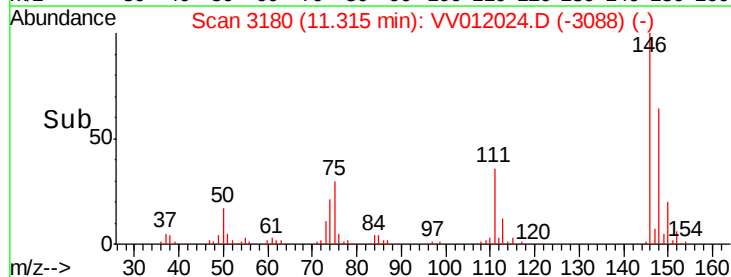
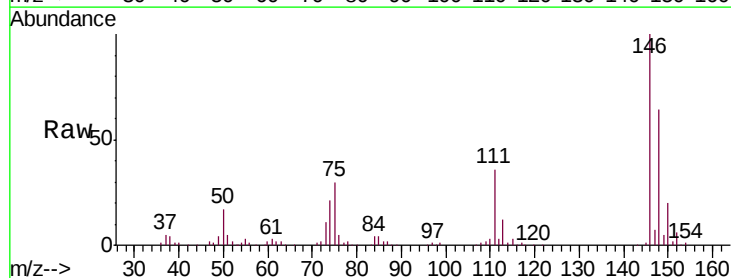
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00549

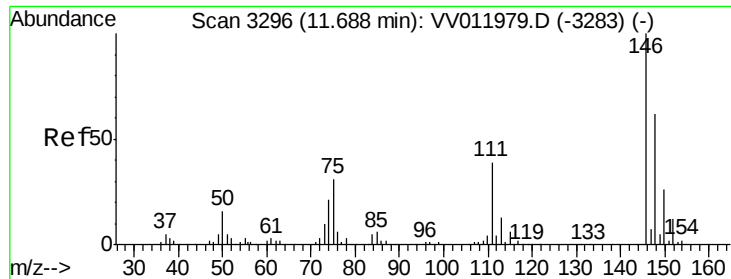
Tgt Ion:146 Resp: 112015
 Ion Ratio Lower Upper
 146 100
 111 39.6 27.1 50.3
 148 65.0 44.5 82.7



#63
 1,4-Dichlorobenzene
 Concen: 5.287 ug/L
 RT: 11.31 min Scan# 3180
 Delta R.T. -0.00 min
 Lab File: VV012024.D
 Acq: 25 Jul 2019 09:28

Tgt Ion:146 Resp: 117316
 Ion Ratio Lower Upper
 146 100
 111 35.8 26.0 48.2
 148 64.4 43.0 80.0

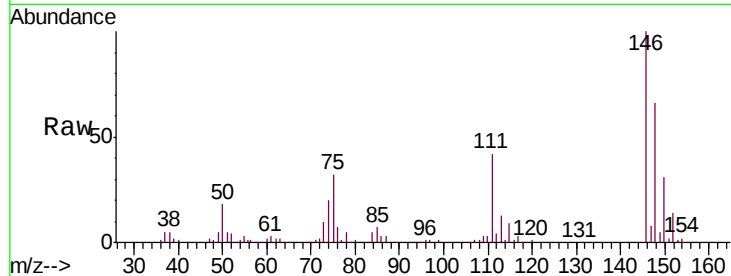




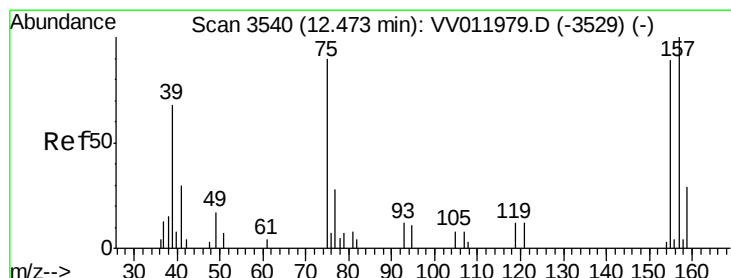
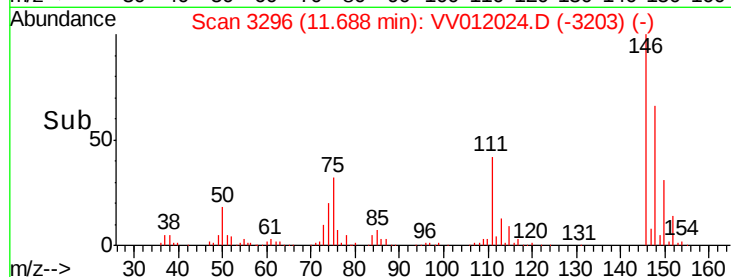
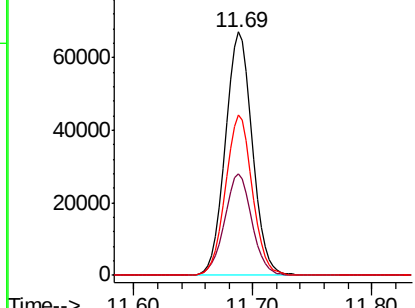
#65
 1,2-Dichlorobenzene
 Concen: 5.306 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. -0.00 min
 Lab File: VV012024.D
 Acq: 25 Jul 2019 09:28

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00549

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.9	32.5	48.7
148	65.7	51.4	77.0

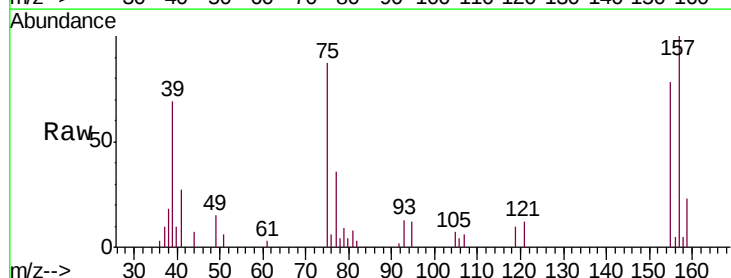


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

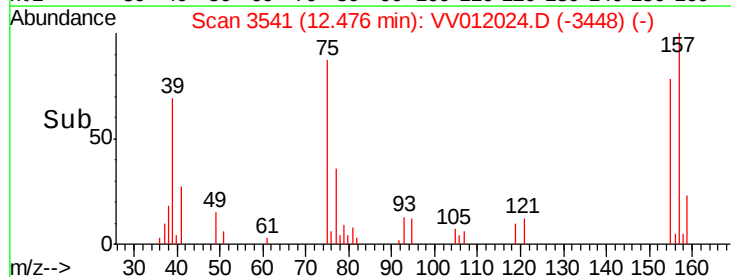
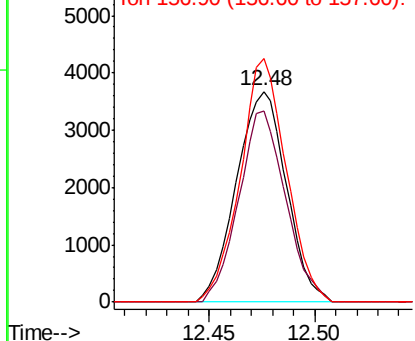


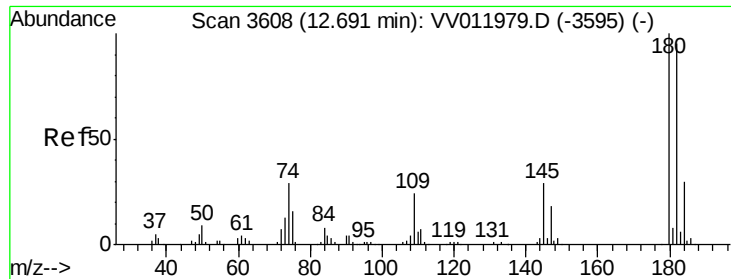
#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.250 ug/L
 RT: 12.48 min Scan# 3541
 Delta R.T. -0.00 min
 Lab File: VV012024.D
 Acq: 25 Jul 2019 09:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.4	69.5	104.3
157	115.4	96.2	144.2



Abundance Ion 75.05 (74.75 to 75.75): VV0
 Ion 154.95 (154.65 to 155.65): V
 Ion 156.90 (156.60 to 157.60): V

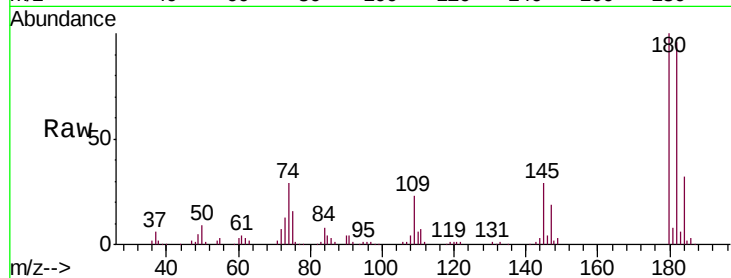




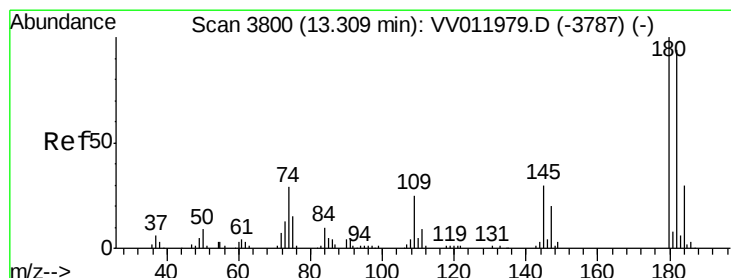
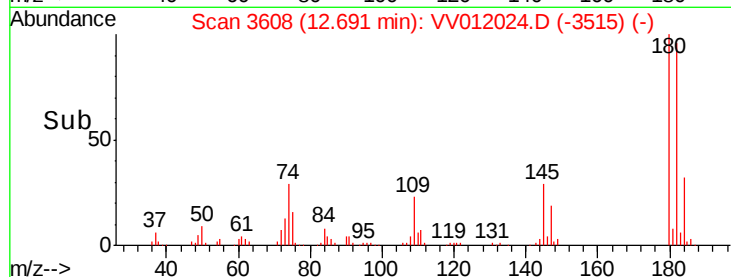
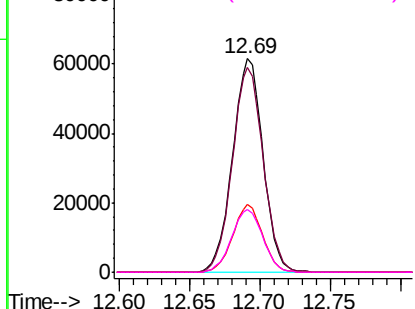
#67
 1,3,5-Trichlorobenzene
 Concen: 5.161 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. -0.00 min
 Lab File: VV012024.D
 Acq: 25 Jul 2019 09:28

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00549

Tgt Ion:180 Resp: 93055
 Ion Ratio Lower Upper
 180 100
 182 96.6 77.4 116.0
 184 31.0 25.2 37.8
 145 30.0 24.4 36.6

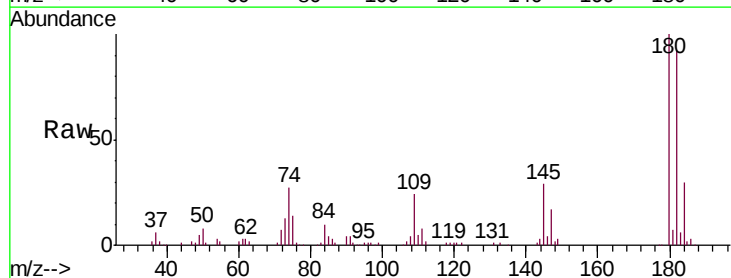


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

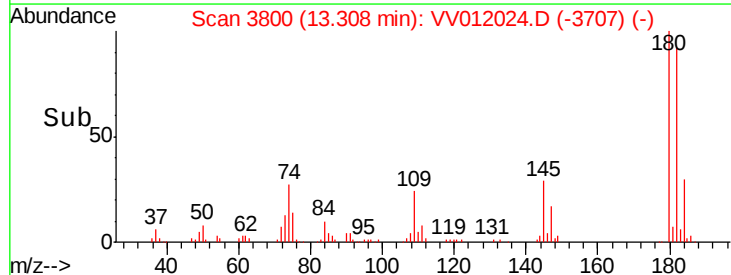
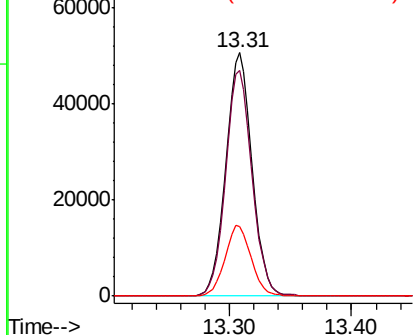


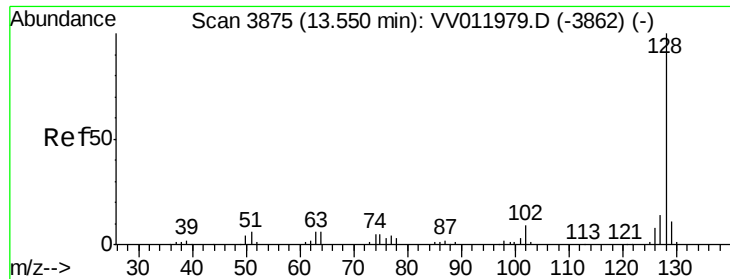
#68
 1,2,4-trichlorobenzene
 Concen: 5.201 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. -0.00 min
 Lab File: VV012024.D
 Acq: 25 Jul 2019 09:28

Tgt Ion:180 Resp: 76152
 Ion Ratio Lower Upper
 180 100
 182 93.4 75.8 113.8
 145 28.9 23.4 35.2



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





#69

Naphthalene

Concen: 4.655 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. -0.00 min

Lab File: VV012024.D

Acq: 25 Jul 2019 09:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD00549

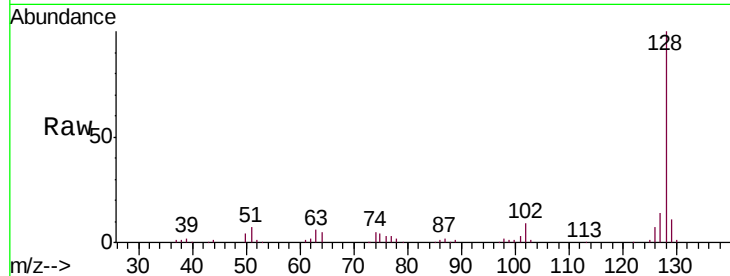
Tgt Ion:128 Resp: 102760

Ion Ratio Lower Upper

128 100

129 11.2 8.2 12.2

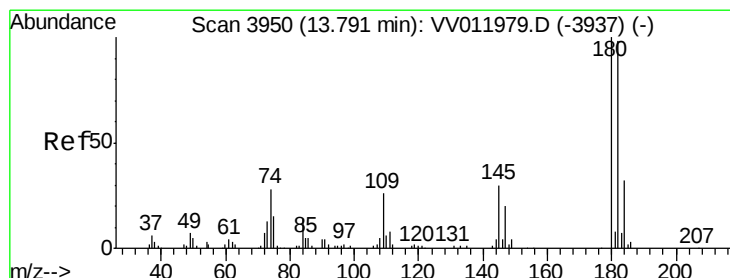
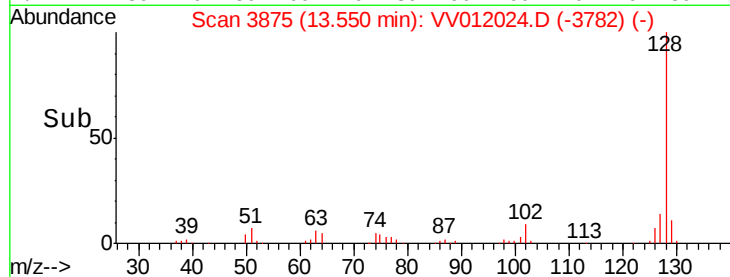
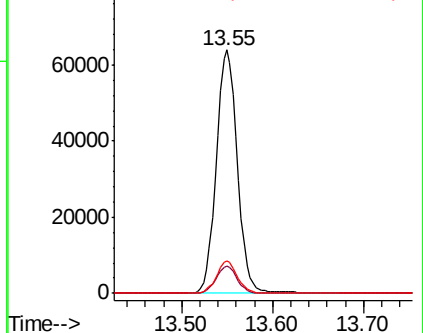
127 12.9 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.135 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. -0.00 min

Lab File: VV012024.D

Acq: 25 Jul 2019 09:28

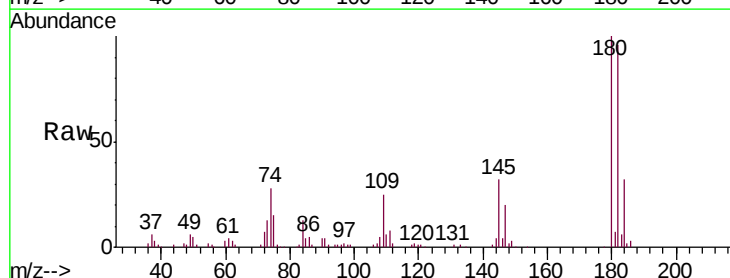
Tgt Ion:180 Resp: 68202

Ion Ratio Lower Upper

180 100

182 95.6 75.5 113.3

145 32.1 24.7 37.1



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

