

Data File : VV011979.D
Acq On : 23 Jul 2019 21:42
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00545

Quant Time: Jul 24 05:58:13 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 24 05:52:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	124023	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	117718	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	62294	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	34034	5.28	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	105.60%
7) Chloroethane-d5	1.58	69	28372	5.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	112.00%
11) 1,1-Dichloroethene-d2	2.13	63	73639	5.74	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	114.80%
20) 2-Butanone-d5	3.94	46	107983	57.31	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.62%
24) Chloroform-d	4.40	84	90939	5.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.60%
26) 1,2-Dichloroethane-d4	5.08	65	51766	6.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	120.00%
32) Benzene-d6	5.10	84	188550	5.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	114.80%
36) 1,2-Dichloropropane-d6	6.12	67	53653	5.71	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	114.20%
41) Toluene-d8	7.36	98	180752	5.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	118.80%
43) trans-1,3-Dichloropropene-	7.66	79	22050	5.78	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	115.60%
46) 2-Hexanone-d5	8.13	63	89961	58.75	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	117.50%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	38744	5.80	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	116.00%
64) 1,2-Dichlorobenzene-d4	11.67	152	71206	5.94	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	118.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	63631	4.964 ug/L	98
3) Chloromethane	1.25	50	39120	5.259 ug/L	96
5) Vinyl chloride	1.33	62	39411	5.174 ug/L	97
6) Bromomethane	1.53	94	21783	4.863 ug/L	100
8) Chloroethane	1.60	64	22921	5.087 ug/L	98
9) Trichlorofluoromethane	1.77	101	75007	5.343 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	32514	5.152 ug/L	98
12) 1,1-Dichloroethene	2.15	96	29226	5.178 ug/L	93
13) Acetone	2.19	43	43969	43.291 ug/L	97
14) Carbon disulfide	2.32	76	80234	4.987 ug/L	100
15) Methyl Acetate	2.46	43	9900	4.465 ug/L	95
16) Methylene chloride	2.54	84	28723	4.538 ug/L	98
17) Methyl tert-butyl Ether	2.81	73	96947	5.033 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	44541	5.067 ug/L	99
19) 1,1-Dichloroethane	3.23	63	80778	5.203 ug/L	97
21) 2-Butanone	4.02	43	96075	49.310 ug/L	95
22) cis-1,2-Dichloroethene	3.96	96	47595	5.038 ug/L	98

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Instrument :
MSVOA_V
ClientSampleId :
VSTD00545

Quant Time: Jul 24 05:58:13 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 24 05:52:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	19896	5.123	ug/L	98
25) Chloroform	4.43	83	95883	5.113	ug/L	100
27) 1,2-Dichloroethane	5.18	62	53498	5.131	ug/L	97
29) 1,1,1-Trichloroethane	4.66	97	79098	5.250	ug/L	99
30) Cyclohexane	4.73	56	68520	4.814	ug/L	100
31) Carbon tetrachloride	4.88	117	70523	5.199	ug/L	99
33) Benzene	5.15	78	179576	5.186	ug/L	100
34) Trichloroethene	5.96	95	48975	5.093	ug/L	97
35) Methylcyclohexane	6.18	83	75386	5.037	ug/L	97
37) 1,2-Dichloropropane	6.22	63	43370	5.210	ug/L	99
38) Bromodichloromethane	6.56	83	56752	5.102	ug/L	97
39) cis-1,3-Dichloropropene	7.07	75	62313	5.050	ug/L	96
40) 4-Methyl-2-pentanone	7.27	43	238798	51.339	ug/L	99
42) Toluene	7.43	91	195515	5.260	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	48988	4.991	ug/L	98
45) 1,1,2-Trichloroethane	7.88	97	28383	4.937	ug/L	95
47) Tetrachloroethene	8.02	164	42291	5.097	ug/L	94
48) 2-Hexanone	8.18	43	168751	51.718	ug/L	97
49) Dibromochloromethane	8.29	129	37319	5.301	ug/L	95
50) 1,2-Dibromoethane	8.40	107	28102	5.177	ug/L	100
51) Chlorobenzene	8.92	112	124334	5.109	ug/L	98
52) Ethylbenzene	9.05	91	217638	5.130	ug/L	100
53) m,p-xylene	9.18	106	84386	5.225	ug/L	97
54) o-xylene	9.59	106	80925	5.285	ug/L	98
55) Styrene	9.60	104	137968	5.347	ug/L	93
56) Isopropylbenzene	9.97	105	221815	5.187	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	32334	5.189	ug/L	95
59) 1,2,3-Trichloropropane	10.32	75	25385	5.228	ug/L	98
61) Bromoform	9.77	173	19237	5.031	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	104403	5.124	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	106602	5.082	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	98211	5.236	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.47	75	5367	4.925	ug/L	90
67) 1,3,5-Trichlorobenzene	12.69	180	86375	5.069	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	67682	4.891	ug/L	98
69) Naphthalene	13.55	128	97685	4.681	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	62887	5.009	ug/L	99

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

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ALS Vial      : 22      Sample Multiplier: 1
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Instrument :
MSVOA_V
ClientSampleId :
VSTD00545

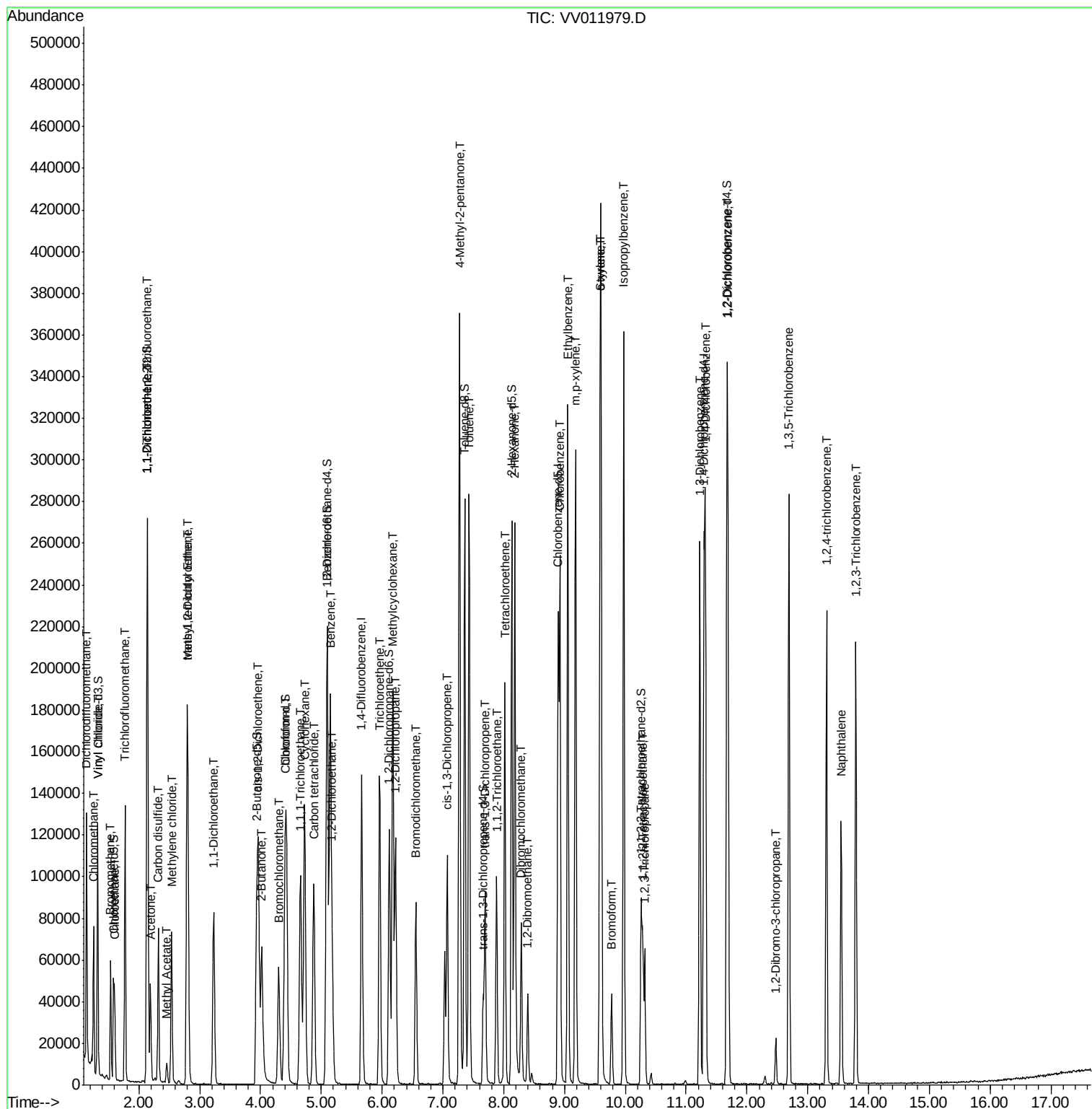
Quant Time: Jul 24 05:58:13 2019

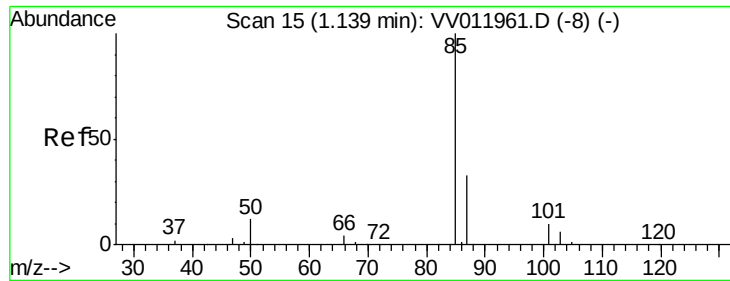
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\S0MVTR072219WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Wed Jul 24 05:52:52 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 4.964 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV011979.D

Acq: 23 Jul 2019 21:42

Instrument :

MSVOA_V

ClientSampleId :

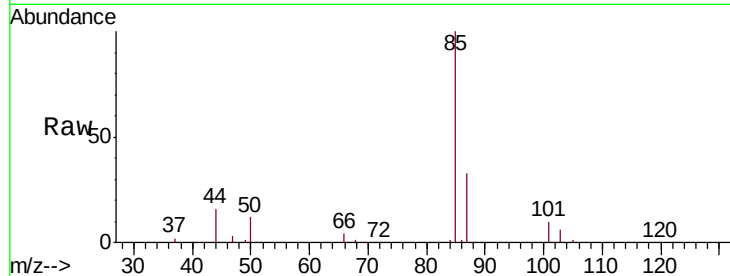
VSTD00545

Tgt Ion: 85 Resp: 63631

Ion Ratio Lower Upper

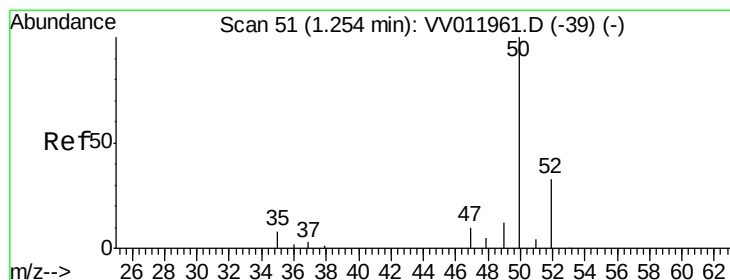
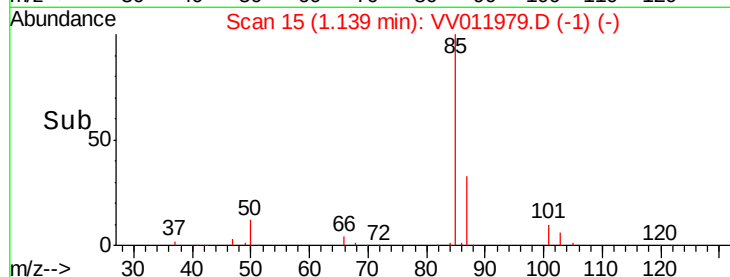
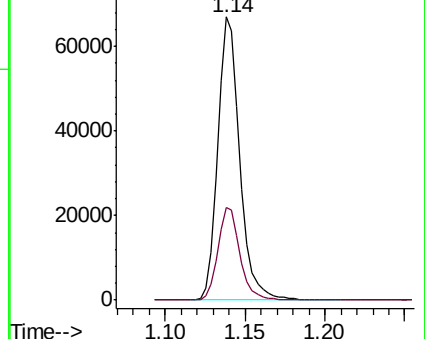
85 100

87 32.9 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: 5.259 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV011979.D

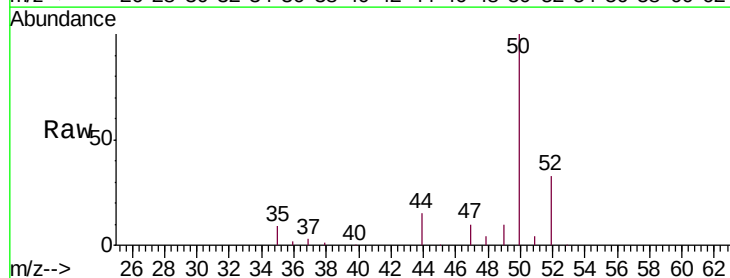
Acq: 23 Jul 2019 21:42

Tgt Ion: 50 Resp: 39120

Ion Ratio Lower Upper

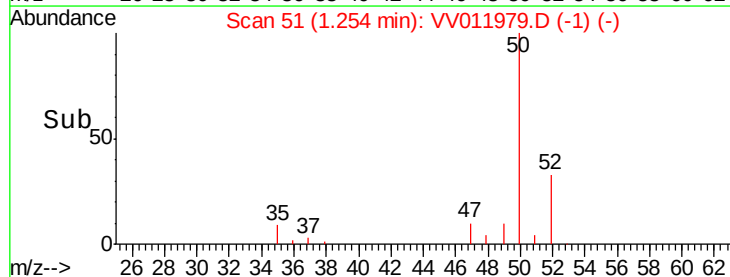
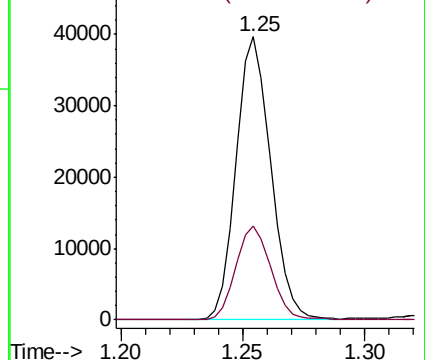
50 100

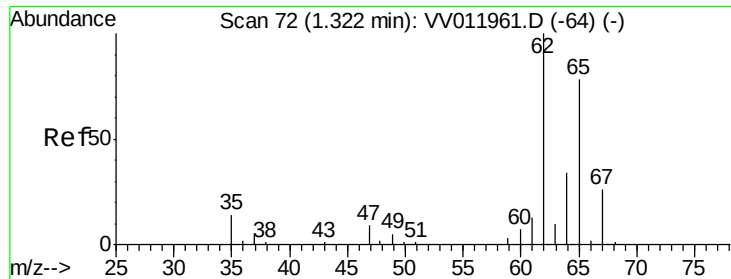
52 33.1 21.6 40.2



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 5.174 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV011979.D

Acq: 23 Jul 2019 21:42

Instrument :

MSVOA_V

ClientSampleId :

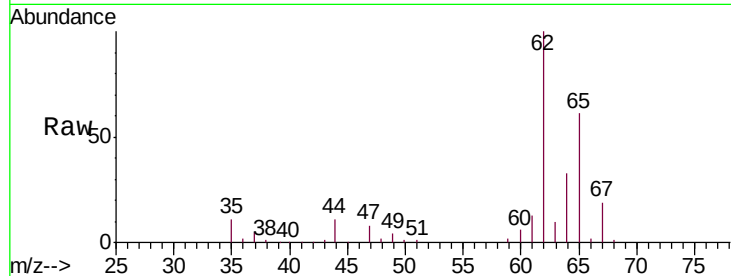
VSTD00545

Tgt Ion: 62 Resp: 39411

Ion Ratio Lower Upper

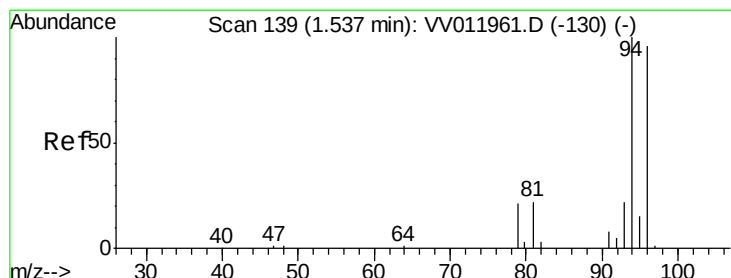
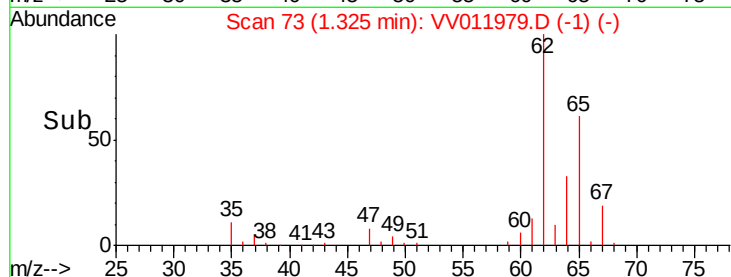
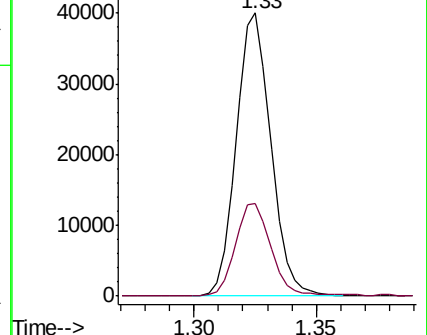
62 100

64 32.9 24.3 45.1



Abundance Ion 62.00 (61.70 to 62.70): VV011961.D (-64) (-)

Ion 64.10 (63.80 to 64.80): VV011961.D (-64) (-)



#6

Bromomethane

Concen: 4.863 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV011979.D

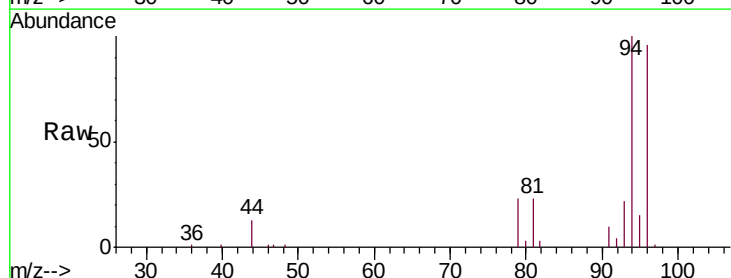
Acq: 23 Jul 2019 21:42

Tgt Ion: 94 Resp: 21783

Ion Ratio Lower Upper

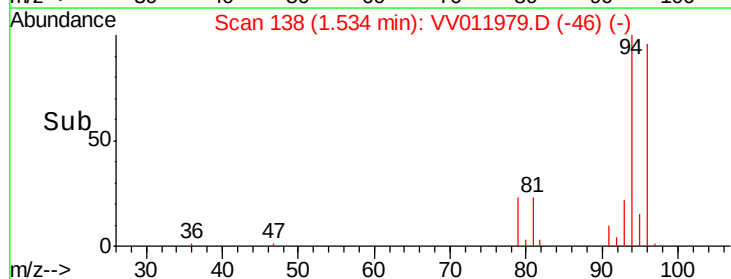
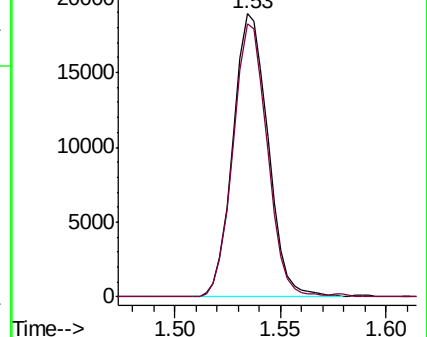
94 100

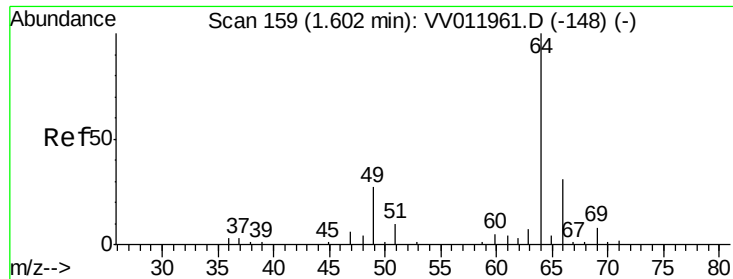
96 96.4 67.3 125.1



Abundance Ion 94.00 (93.70 to 94.70): VV011961.D (-130) (-)

Ion 96.00 (95.70 to 96.70): VV011961.D (-130) (-)





#8

Chloroethane

Concen: 5.087 ug/L

RT: 1.60 min Scan# 159

Delta R.T. -0.00 min

Lab File: VV011979.D

Acq: 23 Jul 2019 21:42

Instrument :

MSVOA_V

ClientSampleId :

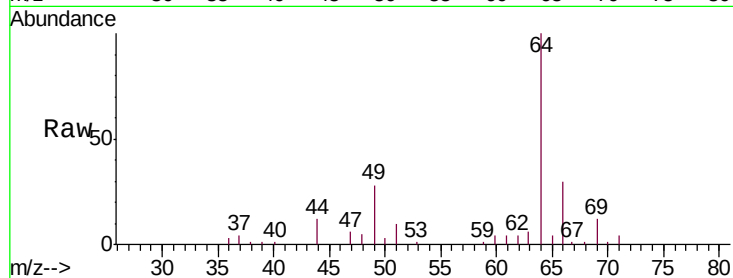
VSTD00545

Tgt Ion: 64 Resp: 22921

Ion Ratio Lower Upper

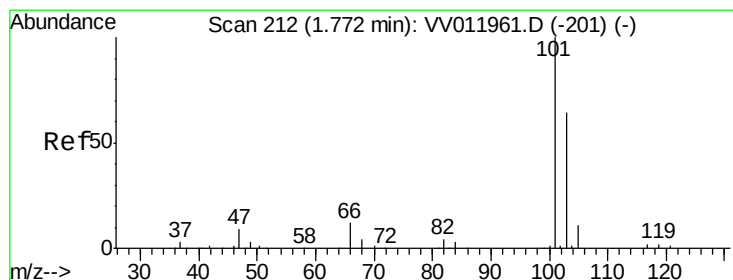
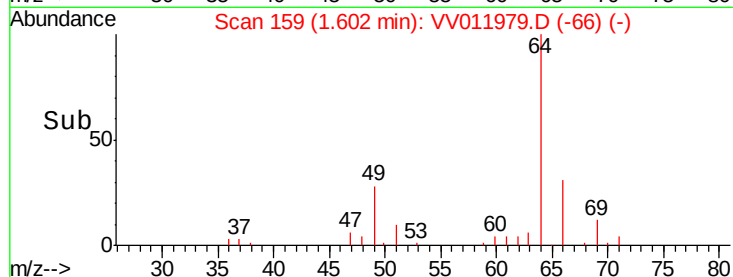
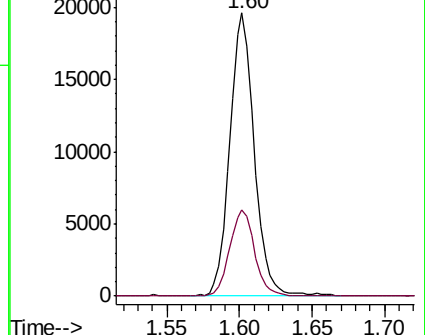
64 100

66 30.3 21.8 40.6



Abundance Ion 64.10 (63.80 to 64.80): VV011961.D (-148) (-)

Ion 66.05 (65.75 to 66.75): VV011961.D (-148) (-)



#9

Trichlorofluoromethane

Concen: 5.343 ug/L

RT: 1.77 min Scan# 212

Delta R.T. -0.00 min

Lab File: VV011979.D

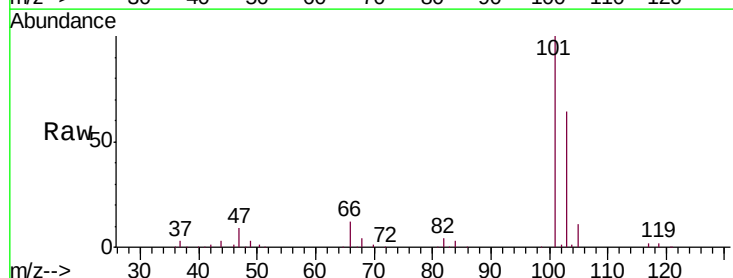
Acq: 23 Jul 2019 21:42

Tgt Ion: 101 Resp: 75007

Ion Ratio Lower Upper

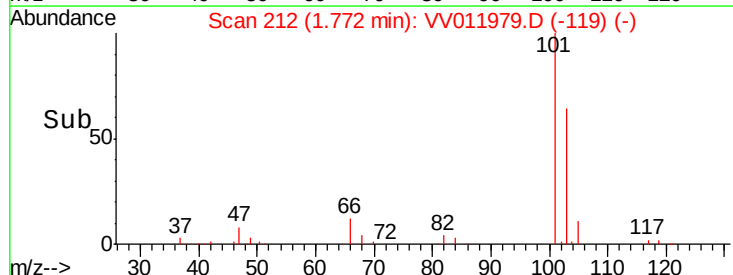
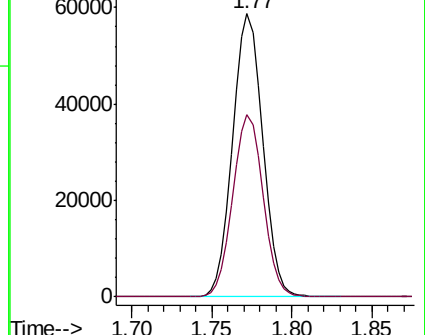
101 100

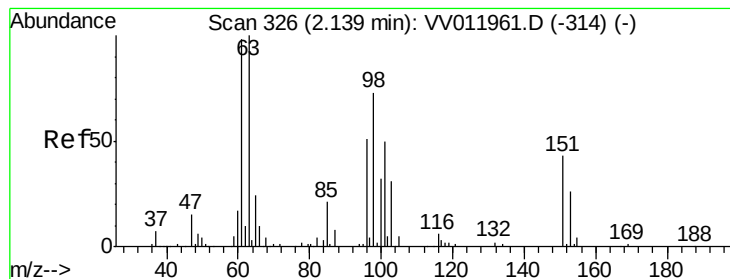
103 64.9 50.4 75.6



Abundance Ion 101.00 (100.70 to 101.70): VV011961.D (-201) (-)

Ion 103.00 (102.70 to 103.70): VV011961.D (-201) (-)





#10

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

Concen: 5.152 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV011979.D

Acq: 23 Jul 2019 21:42

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ClientSampleId :

VSTD00545

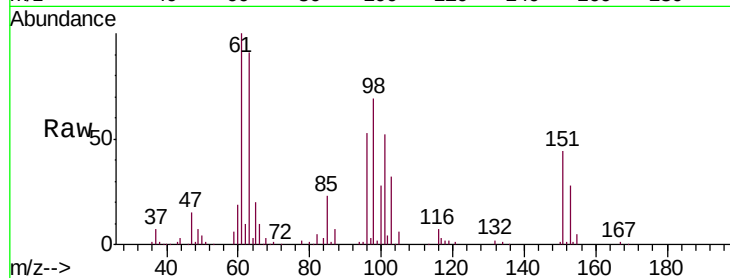
Tgt Ion: 101 Resp: 32514

Ion Ratio Lower Upper

101 100

85 45.7 37.0 55.6

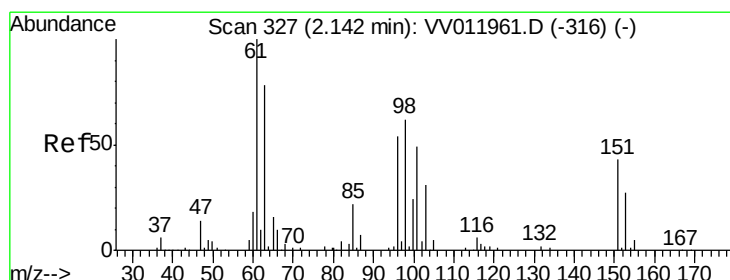
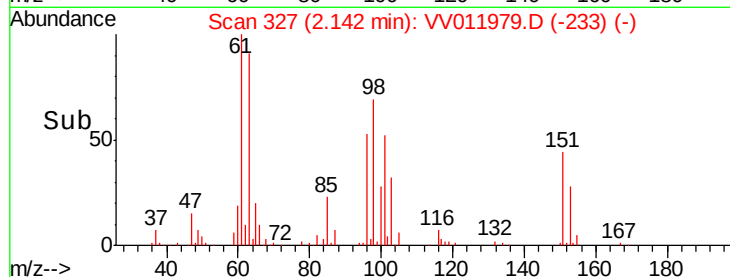
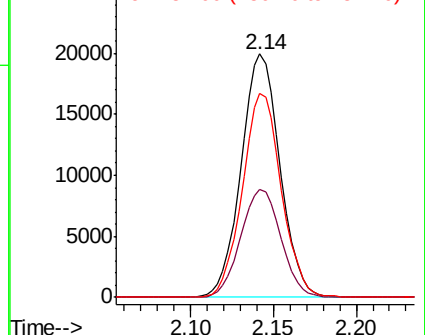
151 83.5 68.3 102.5



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: 5.178 ug/L

RT: 2.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV011979.D

Acq: 23 Jul 2019 21:42

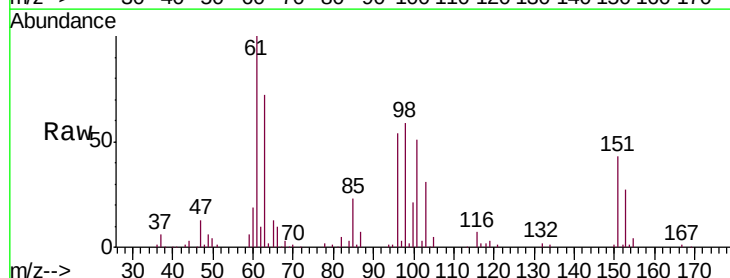
Tgt Ion: 96 Resp: 29226

Ion Ratio Lower Upper

96 100

61 184.8 132.7 246.5

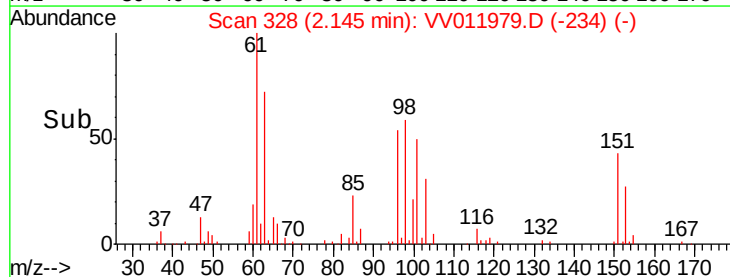
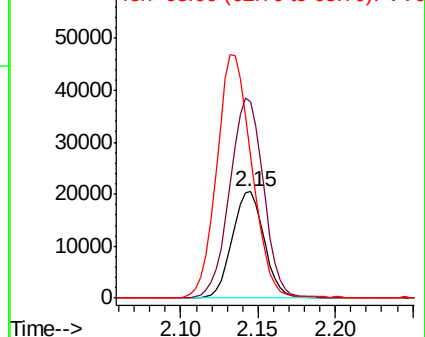
63 133.3 104.0 193.1

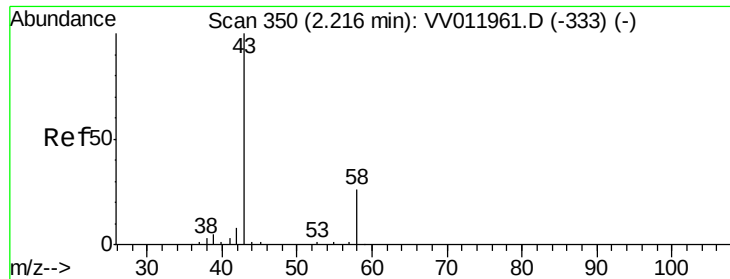


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 43.291 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.03 min

Lab File: VV011979.D

Acq: 23 Jul 2019 21:42

Instrument :

MSVOA_V

ClientSampleId :

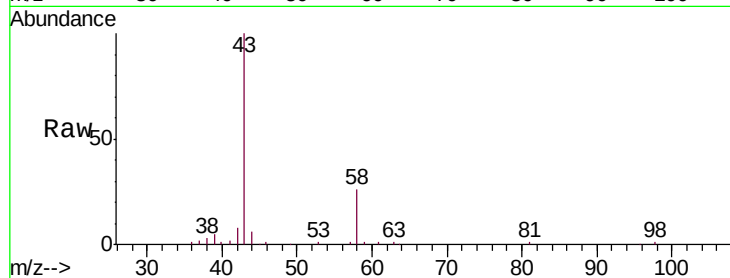
VSTD00545

Tgt Ion: 43 Resp: 43969

Ion Ratio Lower Upper

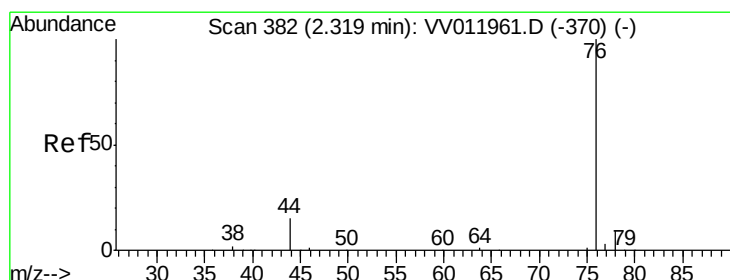
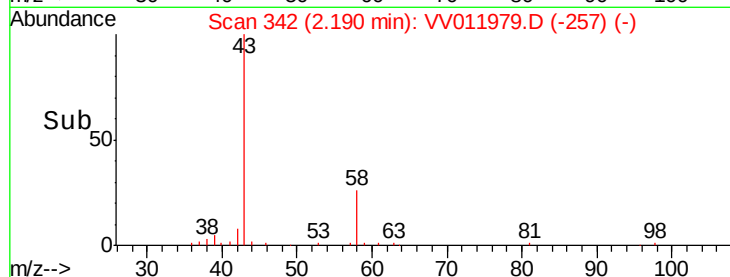
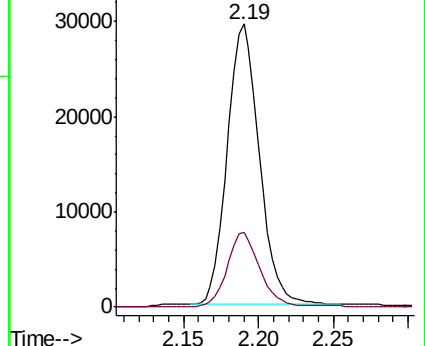
43 100

58 27.2 0.0 51.8



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#14

Carbon disulfide

Concen: 4.987 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VV011979.D

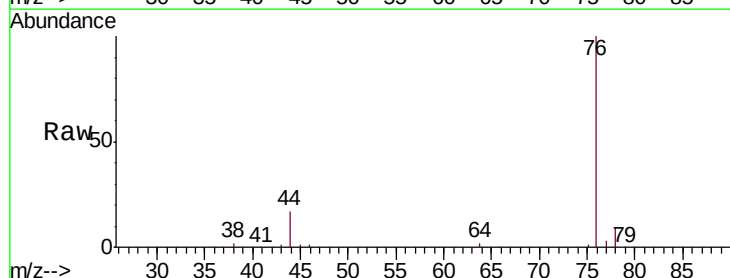
Acq: 23 Jul 2019 21:42

Tgt Ion: 76 Resp: 80234

Ion Ratio Lower Upper

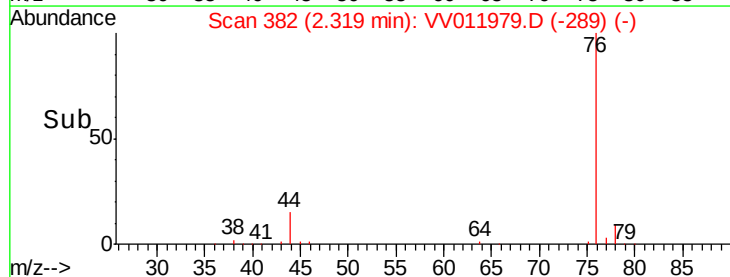
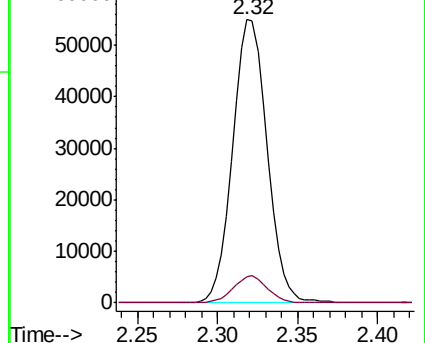
76 100

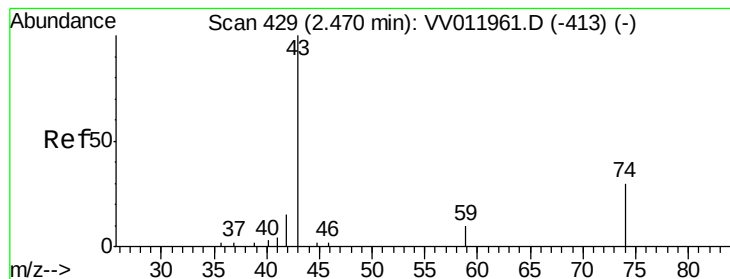
78 9.3 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0





#15

Methyl Acetate

Concen: 4.465 ug/L

RT: 2.46 min Scan# 426

Delta R.T. -0.01 min

Lab File: VV011979.D

Acq: 23 Jul 2019 21:42

Instrument :

MSVOA_V

ClientSampleId :

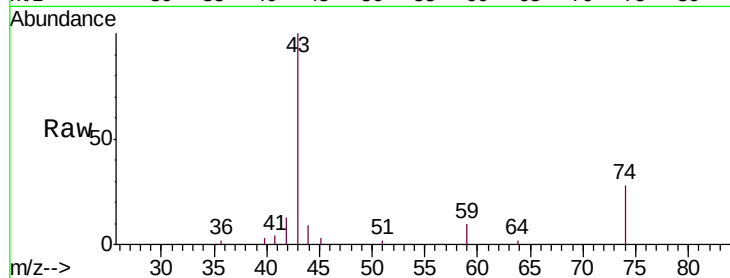
VSTD00545

Tgt Ion: 43 Resp: 9900

Ion Ratio Lower Upper

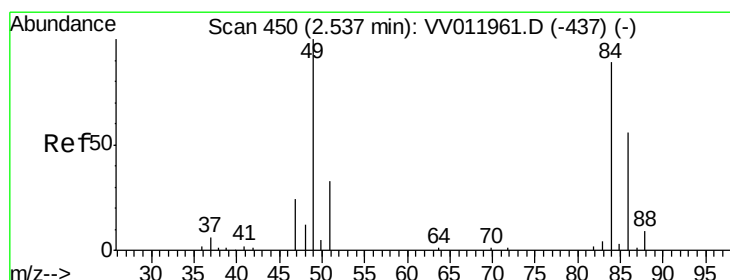
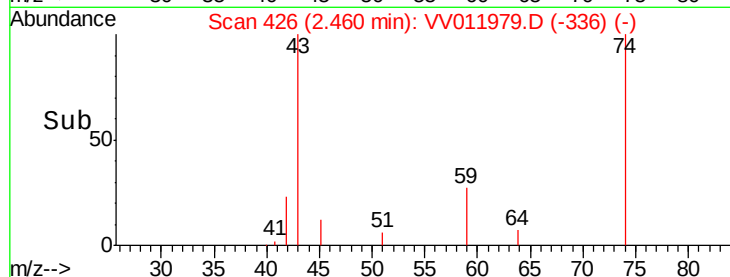
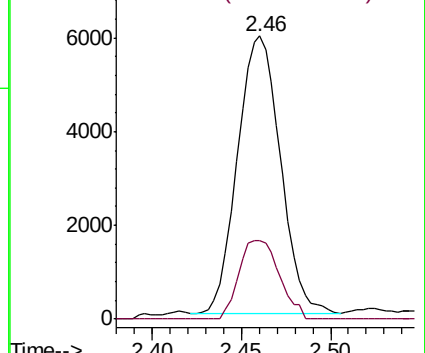
43 100

74 26.8 23.4 35.2



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 4.538 ug/L

RT: 2.54 min Scan# 450

Delta R.T. -0.00 min

Lab File: VV011979.D

Acq: 23 Jul 2019 21:42

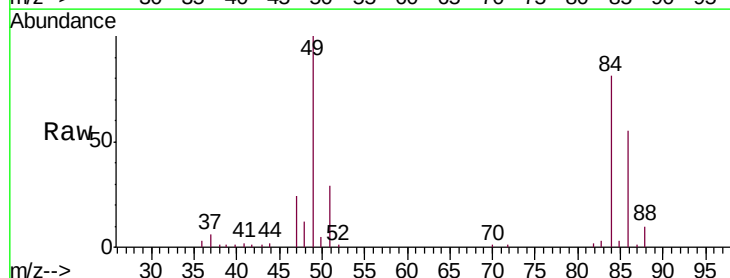
Tgt Ion: 84 Resp: 28723

Ion Ratio Lower Upper

84 100

86 67.7 47.6 88.4

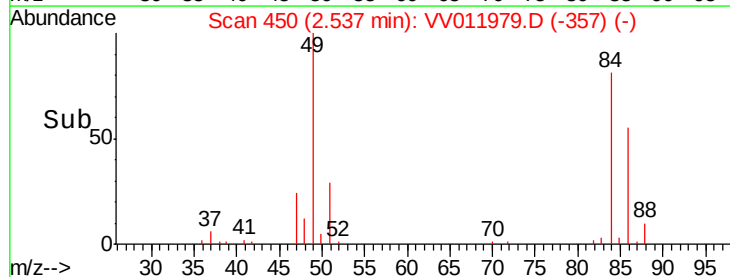
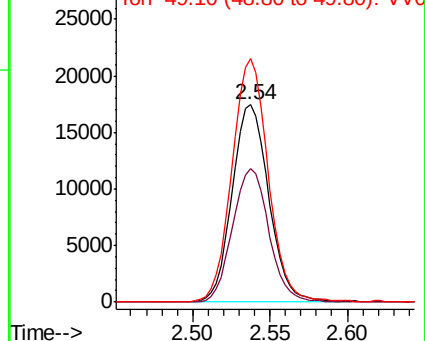
49 123.5 84.3 156.5

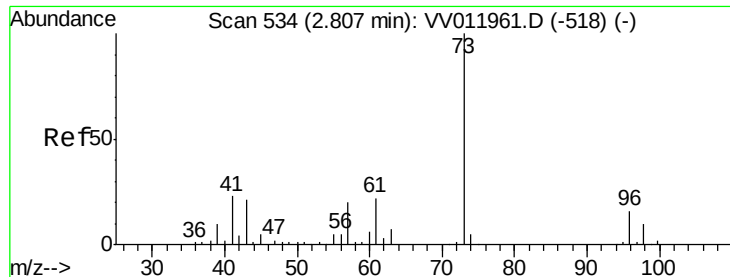


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

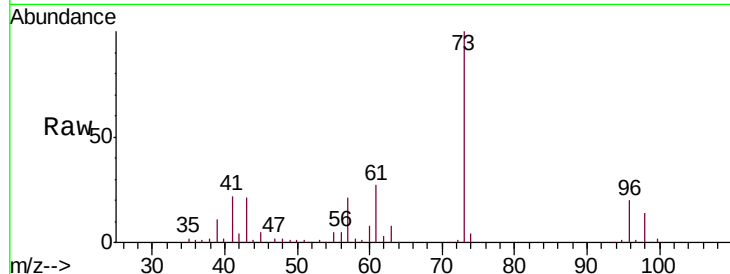




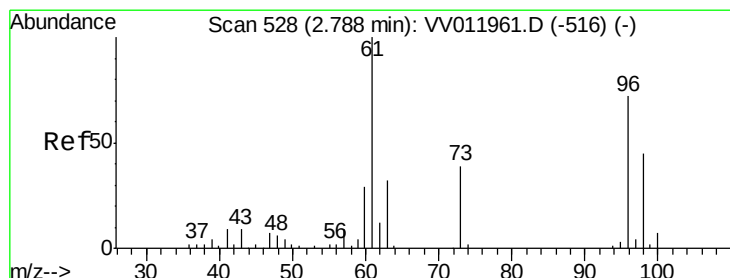
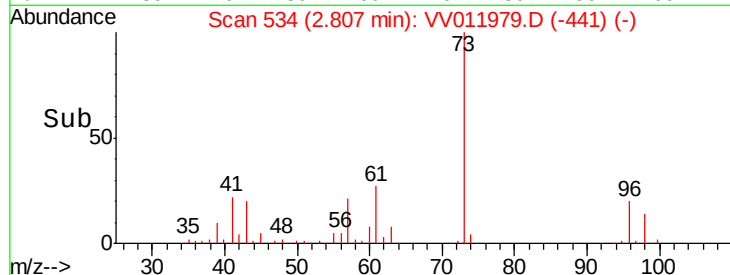
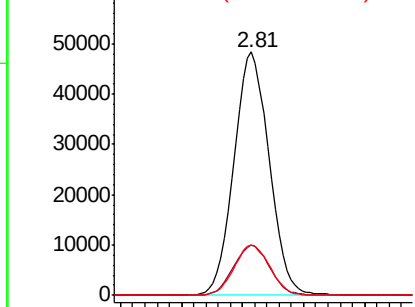
#17
Methyl tert-butyl Ether
Concen: 5.033 ug/L
RT: 2.81 min Scan# 534
Delta R.T. -0.00 min
Lab File: VV011979.D
Acq: 23 Jul 2019 21:42

Instrument :
MSVOA_V
ClientSampleId :
VSTD00545

Tgt Ion: 73 Resp: 96947
Ion Ratio Lower Upper
73 100
43 21.4 17.0 25.4
57 20.9 17.0 25.6

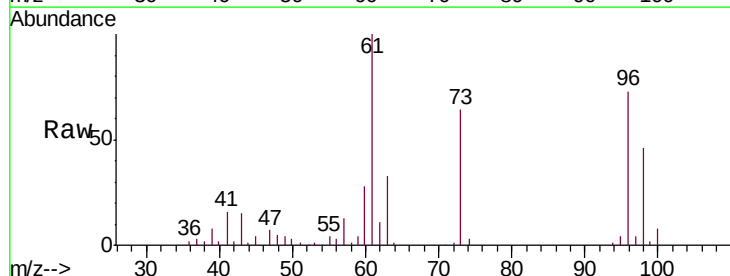


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

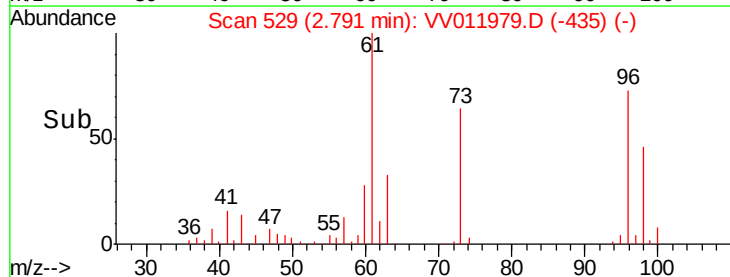
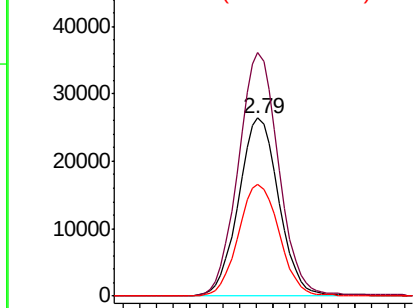


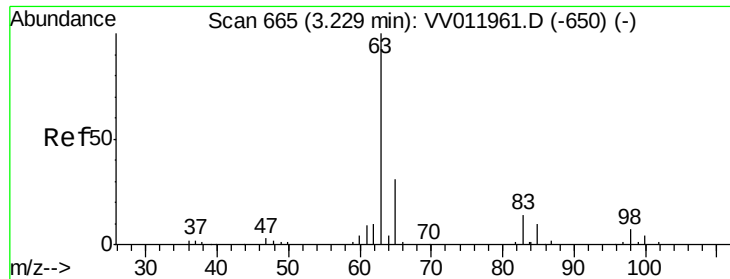
#18
trans-1,2-Dichloroethene
Concen: 5.067 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV011979.D
Acq: 23 Jul 2019 21:42

Tgt Ion: 96 Resp: 44541
Ion Ratio Lower Upper
96 100
61 136.9 95.4 177.2
98 62.6 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

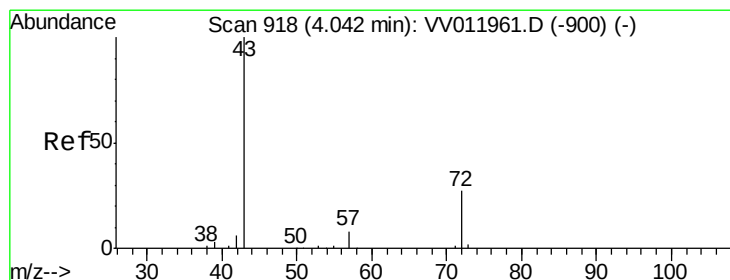
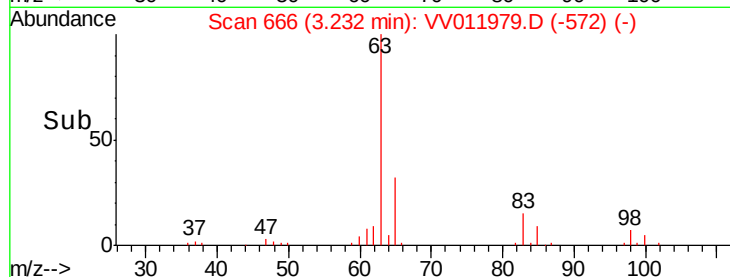
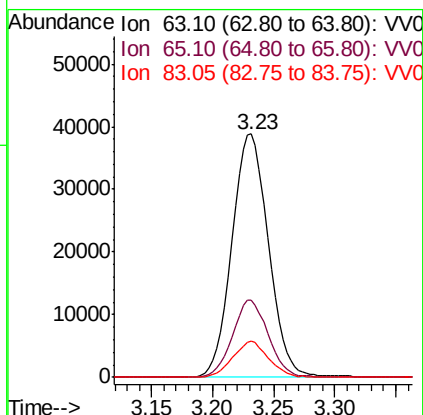
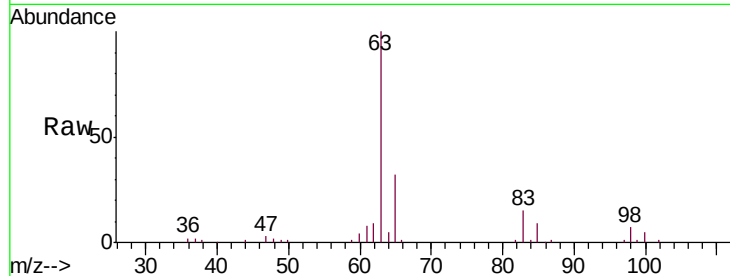




#19
 1,1-Dichloroethane
 Concen: 5.203 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. 0.00 min
 Lab File: VV011979.D
 Acq: 23 Jul 2019 21:42

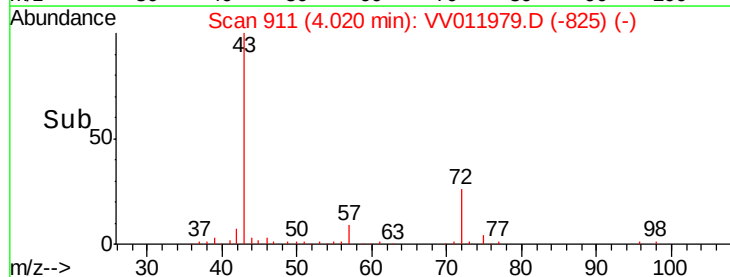
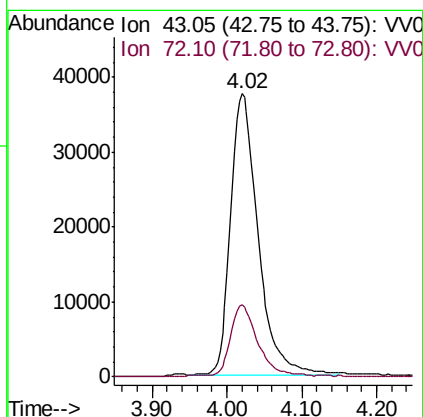
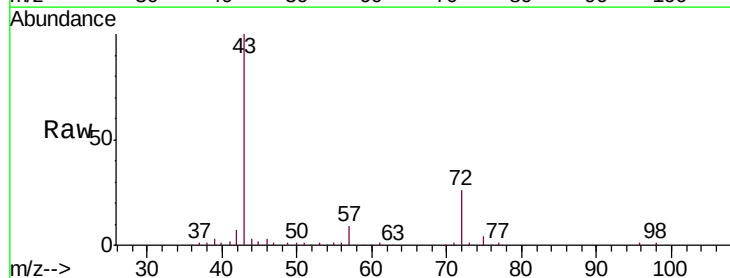
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00545

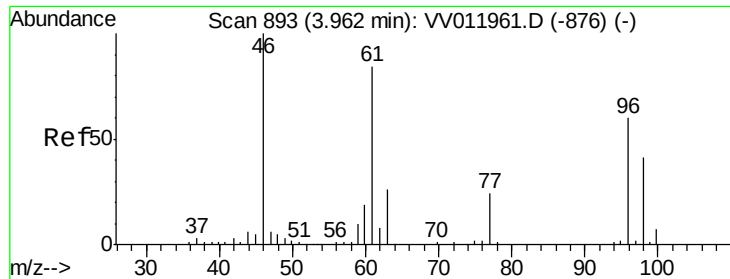
Tgt Ion: 63 Resp: 80778
 Ion Ratio Lower Upper
 63 100
 65 31.9 23.5 43.7
 83 14.9 9.7 18.1



#21
 2-Butanone
 Concen: 49.310 ug/L
 RT: 4.02 min Scan# 911
 Delta R.T. -0.02 min
 Lab File: VV011979.D
 Acq: 23 Jul 2019 21:42

Tgt Ion: 43 Resp: 96075
 Ion Ratio Lower Upper
 43 100
 72 24.4 13.6 40.8



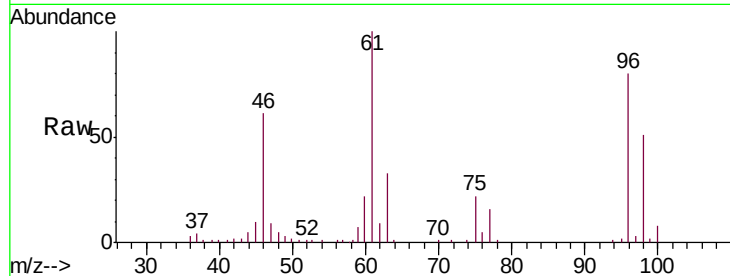


#22

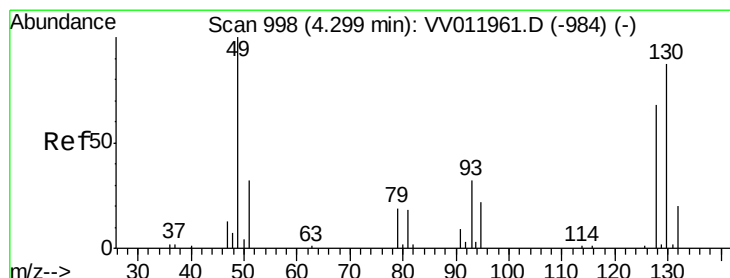
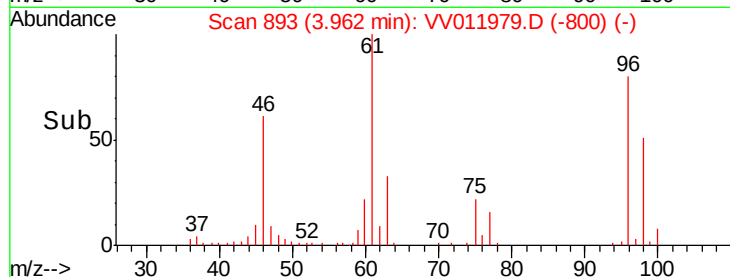
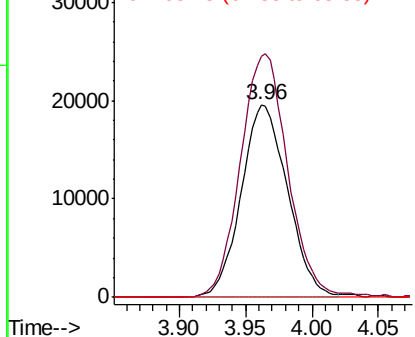
cis-1,2-Dichloroethene
Concen: 5.038 ug/L
RT: 3.96 min Scan# 893
Delta R.T. -0.00 min
Lab File: VV011979.D
Acq: 23 Jul 2019 21:42

Instrument :
MSVOA_V
ClientSampleId :
VSTD00545

Tgt Ion: 96 Resp: 47595
Ion Ratio Lower Upper
96 100
61 124.8 89.0 165.2
68 0.0 0.0 0.0



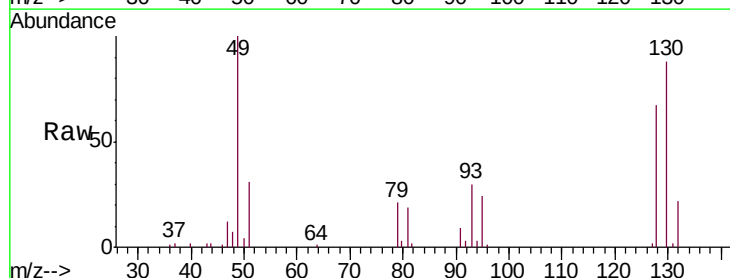
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



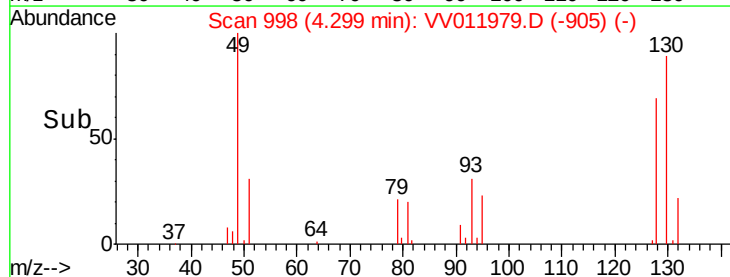
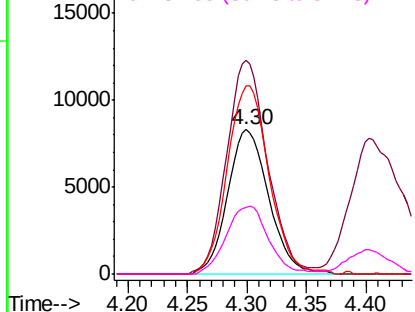
#23

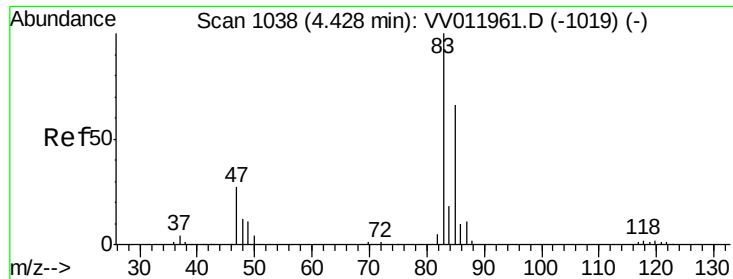
Bromochloromethane
Concen: 5.123 ug/L
RT: 4.30 min Scan# 998
Delta R.T. -0.00 min
Lab File: VV011979.D
Acq: 23 Jul 2019 21:42

Tgt Ion: 128 Resp: 19896
Ion Ratio Lower Upper
128 100
49 148.3 105.5 195.9
130 130.4 88.4 164.2
51 46.3 37.4 56.2



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

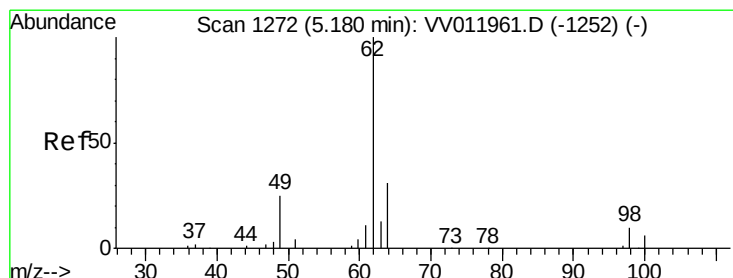
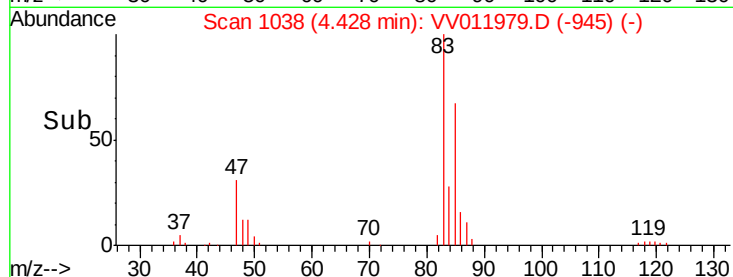
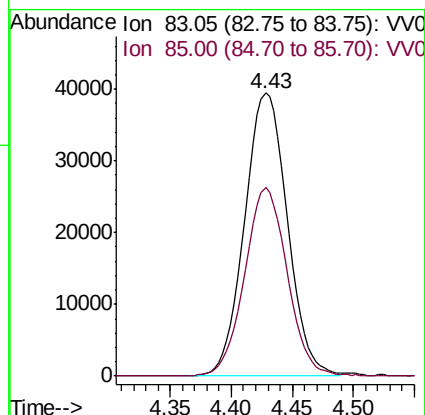
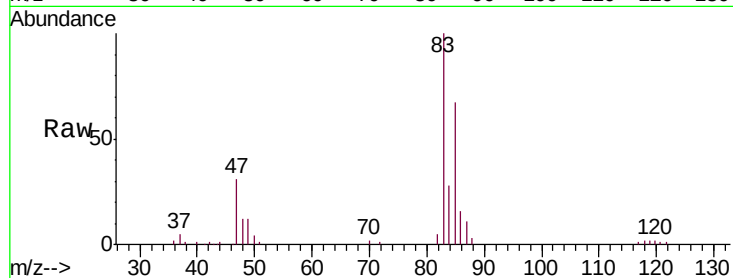




#25
Chloroform
Concen: 5.113 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. -0.00 min
Lab File: VV011979.D
Acq: 23 Jul 2019 21:42

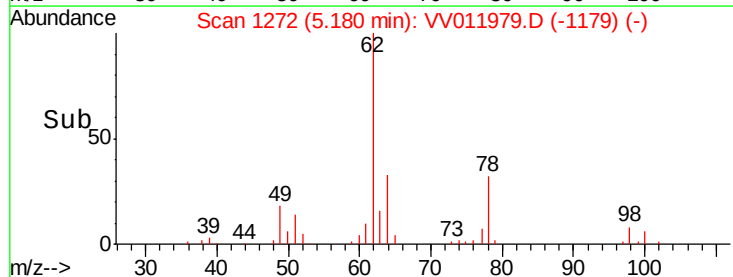
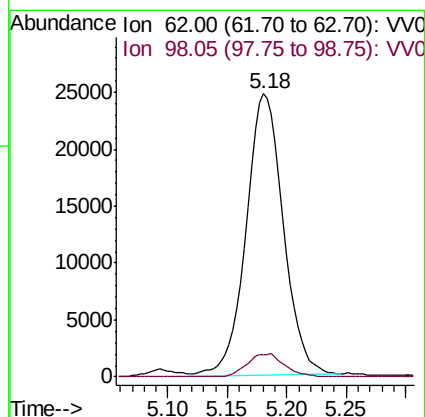
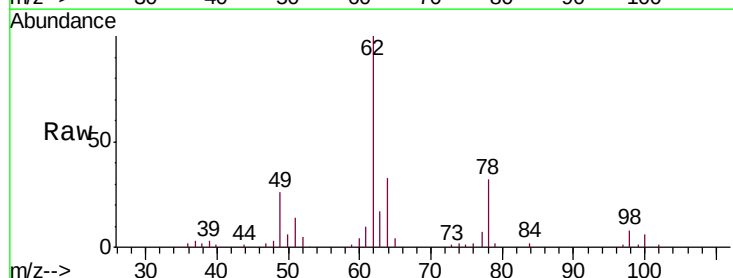
Instrument :
MSVOA_V
ClientSampleId :
VSTD00545

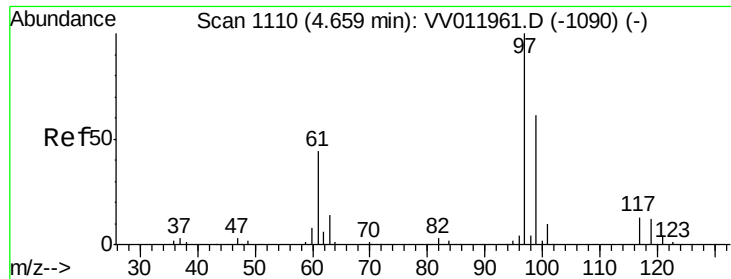
Tgt Ion: 83 Resp: 95883
Ion Ratio Lower Upper
83 100
85 66.6 46.5 86.3



#27
1,2-Dichloroethane
Concen: 5.131 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VV011979.D
Acq: 23 Jul 2019 21:42

Tgt Ion: 62 Resp: 53498
Ion Ratio Lower Upper
62 100
98 7.8 7.0 10.6

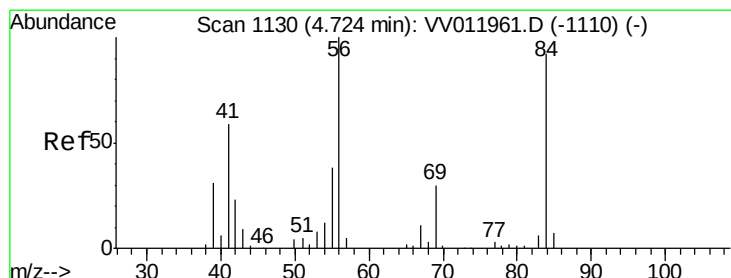
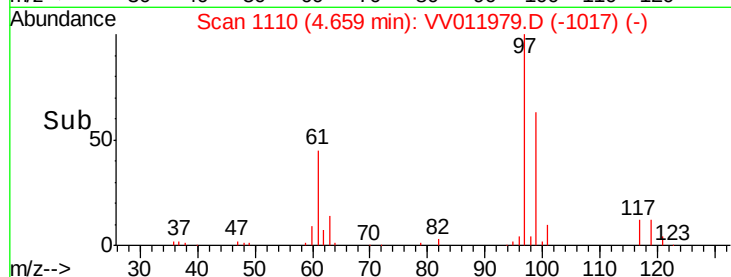
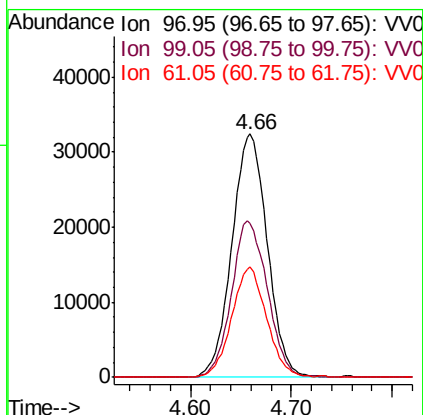
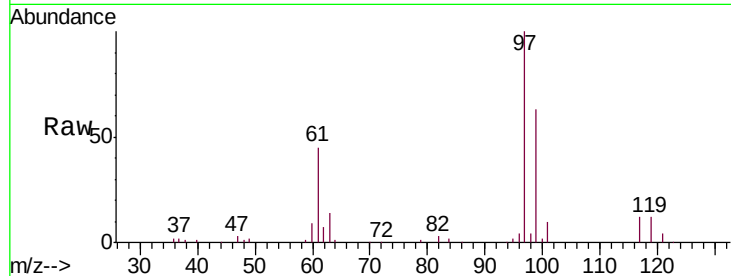




#29
 1,1,1-Trichloroethane
 Concen: 5.250 ug/L
 RT: 4.66 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VV011979.D
 Acq: 23 Jul 2019 21:42

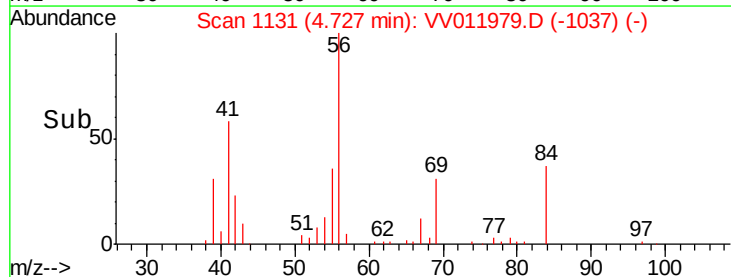
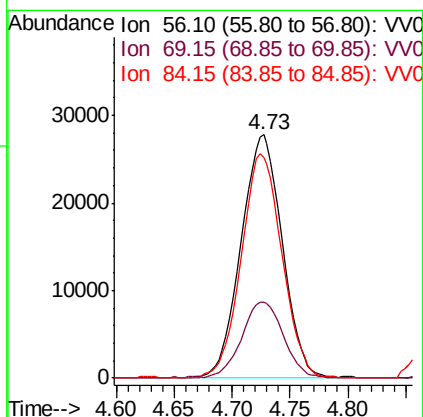
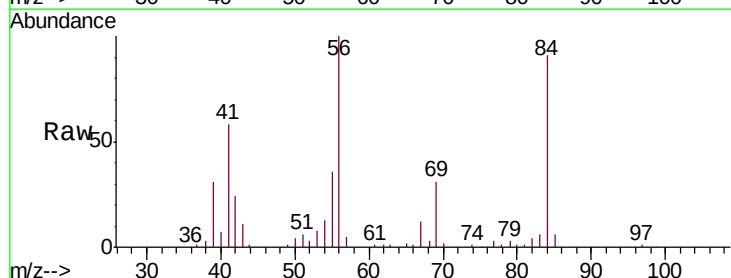
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00545

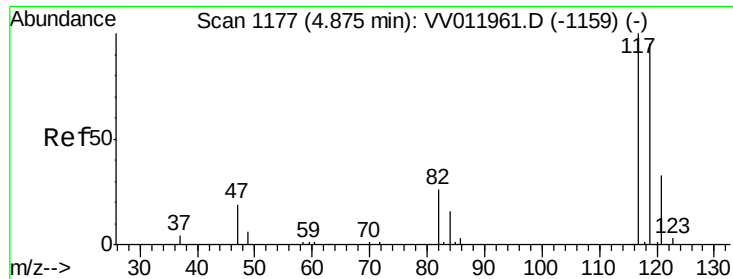
Tgt Ion: 97 Resp: 79098
 Ion Ratio Lower Upper
 97 100
 99 65.0 51.7 77.5
 61 44.6 35.1 52.7



#30
 Cyclohexane
 Concen: 4.814 ug/L
 RT: 4.73 min Scan# 1131
 Delta R.T. 0.00 min
 Lab File: VV011979.D
 Acq: 23 Jul 2019 21:42

Tgt Ion: 56 Resp: 68520
 Ion Ratio Lower Upper
 56 100
 69 31.7 25.4 38.2
 84 91.3 73.4 110.0





#31

Carbon tetrachloride

Concen: 5.199 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VV011979.D

Acq: 23 Jul 2019 21:42

Instrument :

MSVOA_V

ClientSampleId :

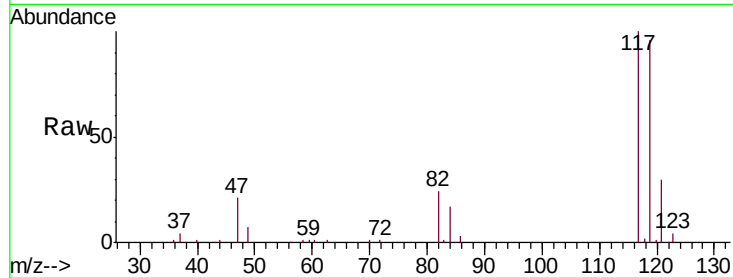
VSTD00545

Tgt Ion:117 Resp: 70523

Ion Ratio Lower Upper

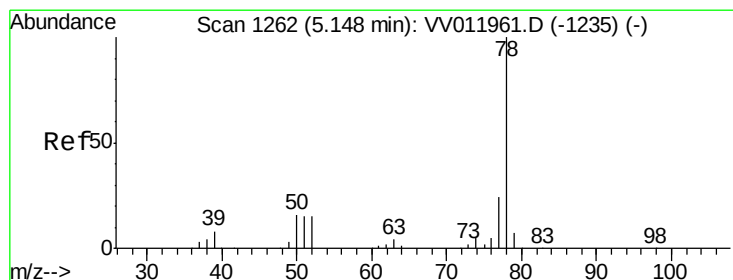
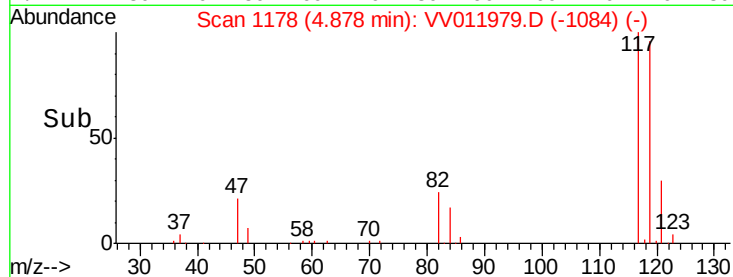
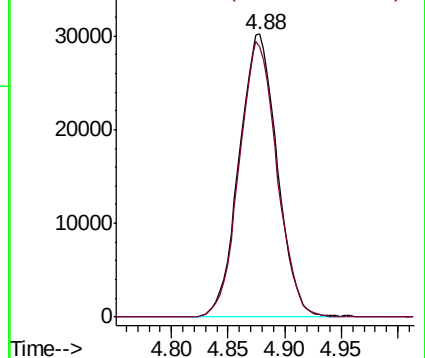
117 100

119 96.5 76.4 114.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.186 ug/L

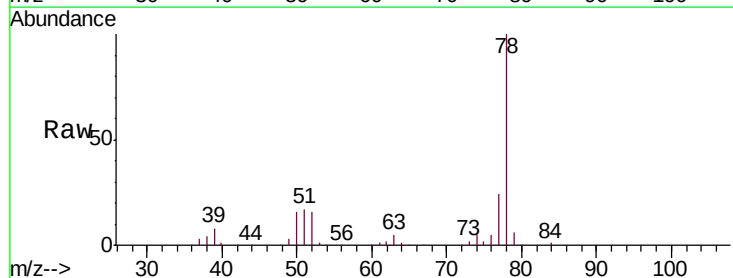
RT: 5.15 min Scan# 1262

Delta R.T. -0.00 min

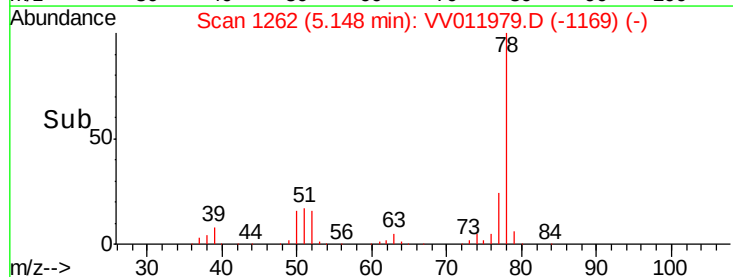
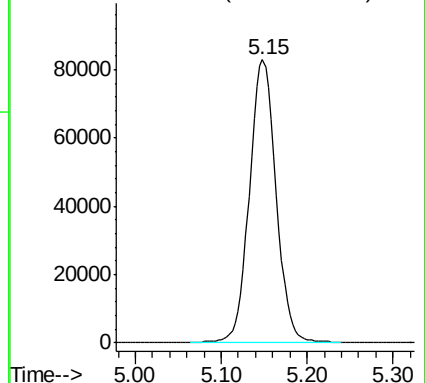
Lab File: VV011979.D

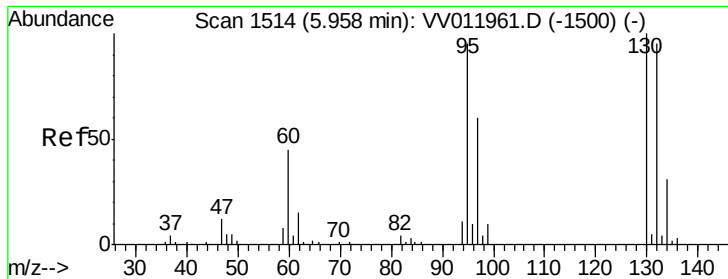
Acq: 23 Jul 2019 21:42

Tgt Ion: 78 Resp: 179576



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 5.093 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. -0.00 min

Lab File: VV011979.D

Acq: 23 Jul 2019 21:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD00545

Tgt Ion: 95 Resp: 48975

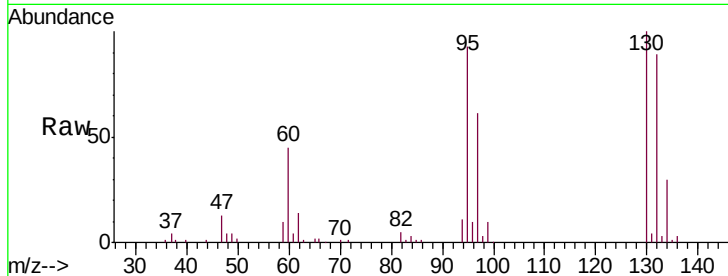
Ion Ratio Lower Upper

95 100

97 65.1 45.6 84.6

132 96.1 71.3 132.3

130 107.5 72.8 135.2

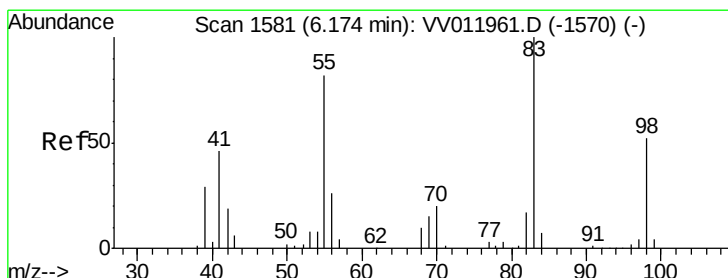
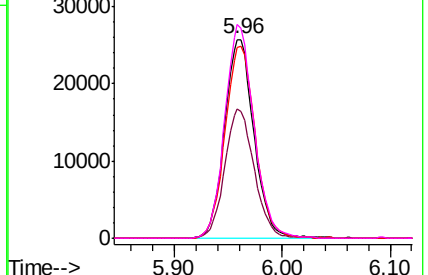
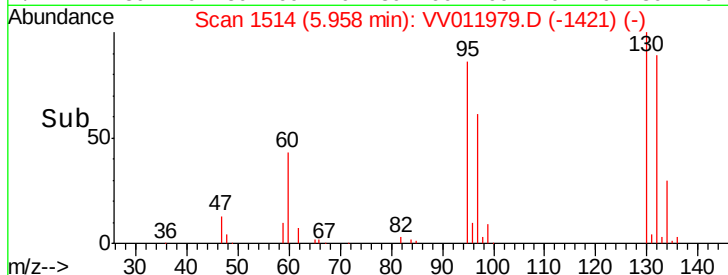


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 5.037 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VV011979.D

Acq: 23 Jul 2019 21:42

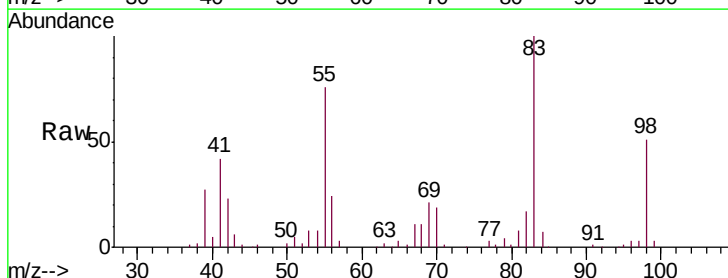
Tgt Ion: 83 Resp: 75386

Ion Ratio Lower Upper

83 100

55 75.7 63.0 94.4

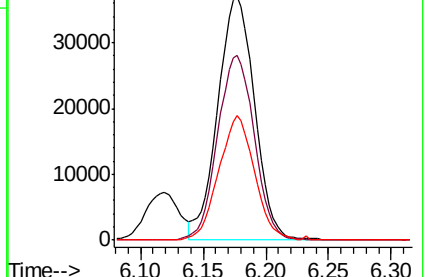
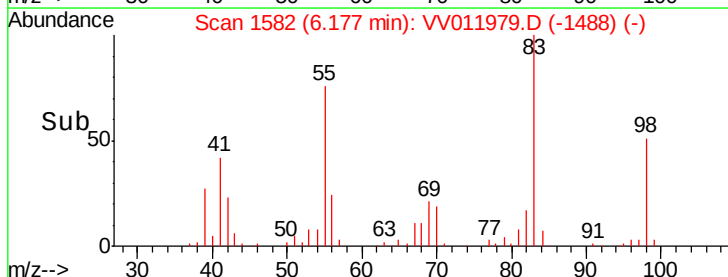
98 49.6 41.4 62.0

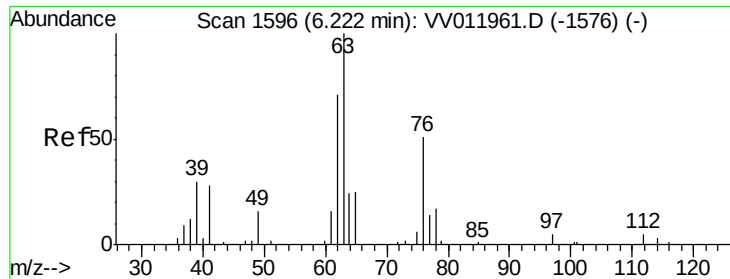


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

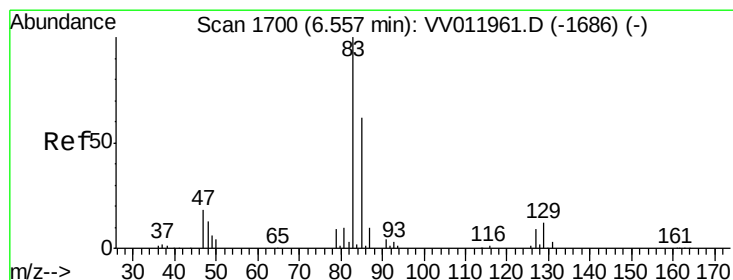
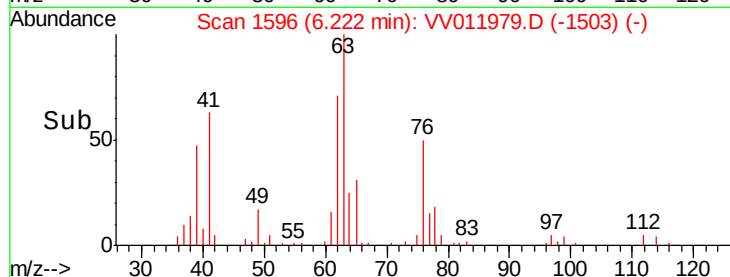
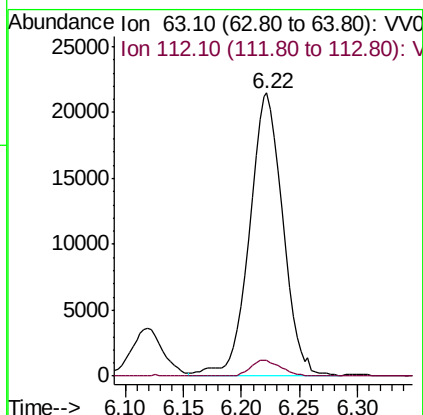
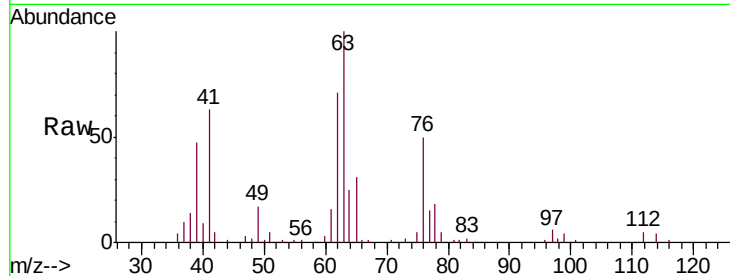




#37
 1,2-Dichloropropane
 Concen: 5.210 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. -0.00 min
 Lab File: VV011979.D
 Acq: 23 Jul 2019 21:42

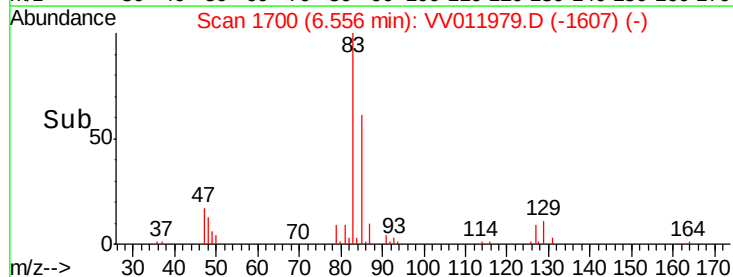
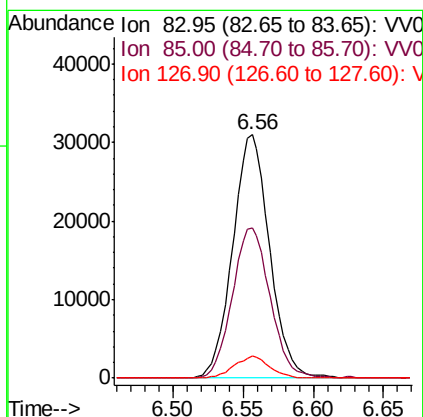
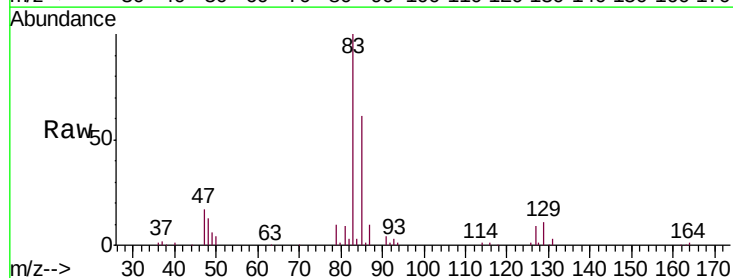
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00545

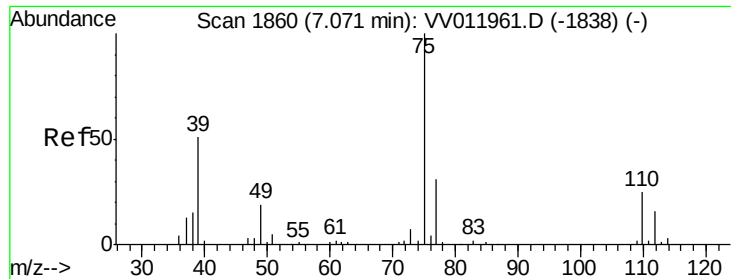
Tgt Ion: 63 Resp: 43370
 Ion Ratio Lower Upper
 63 100
 112 4.9 4.2 6.4



#38
 Bromodichloromethane
 Concen: 5.102 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. -0.00 min
 Lab File: VV011979.D
 Acq: 23 Jul 2019 21:42

Tgt Ion: 83 Resp: 56752
 Ion Ratio Lower Upper
 83 100
 85 61.5 44.4 82.4
 127 8.9 7.9 11.9

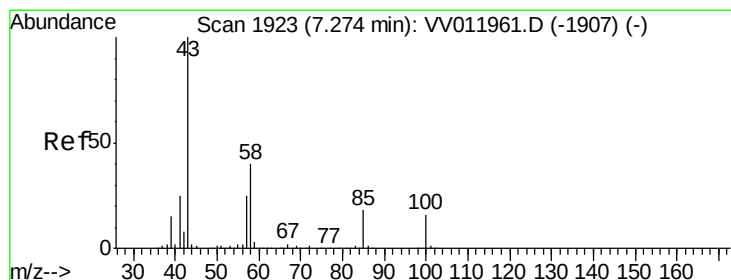
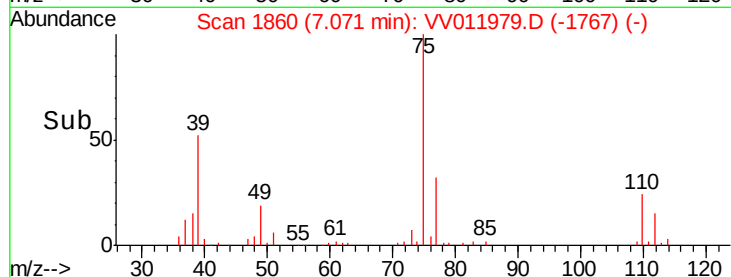
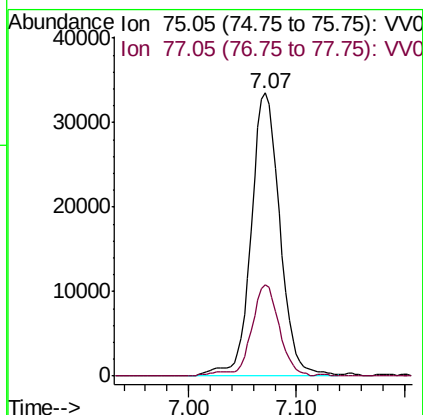
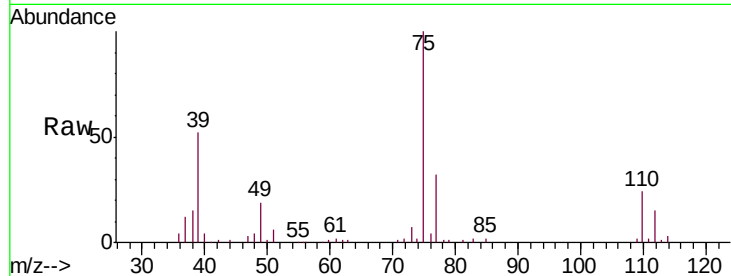




#39
 cis-1,3-Dichloropropene
 Concen: 5.050 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VV011979.D
 Acq: 23 Jul 2019 21:42

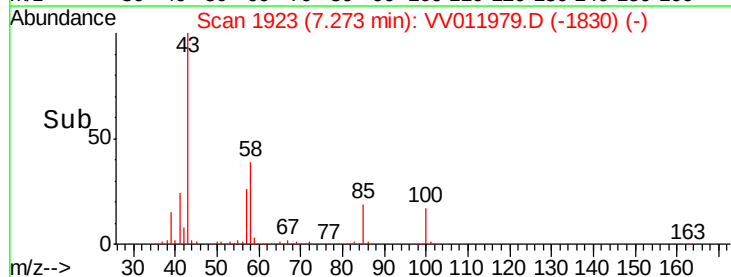
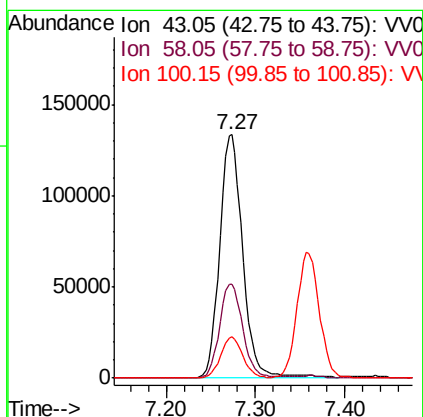
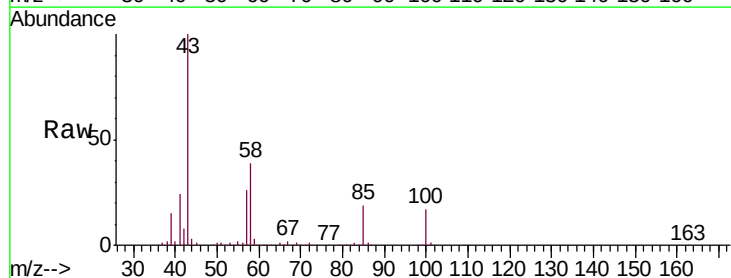
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00545

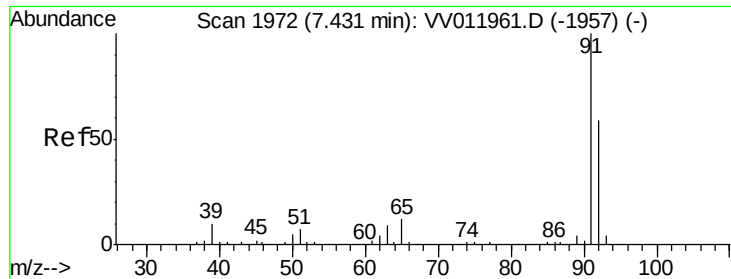
Tgt Ion: 75 Resp: 62313
 Ion Ratio Lower Upper
 75 100
 77 32.5 21.3 39.6



#40
 4-Methyl-2-pentanone
 Concen: 51.339 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VV011979.D
 Acq: 23 Jul 2019 21:42

Tgt Ion: 43 Resp: 238798
 Ion Ratio Lower Upper
 43 100
 58 38.7 31.2 46.8
 100 16.3 13.5 20.3





#42

Toluene

Concen: 5.260 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV011979.D

Acq: 23 Jul 2019 21:42

Instrument :

MSVOA_V

ClientSampleId :

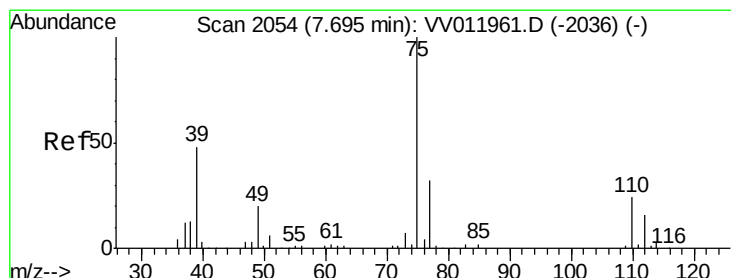
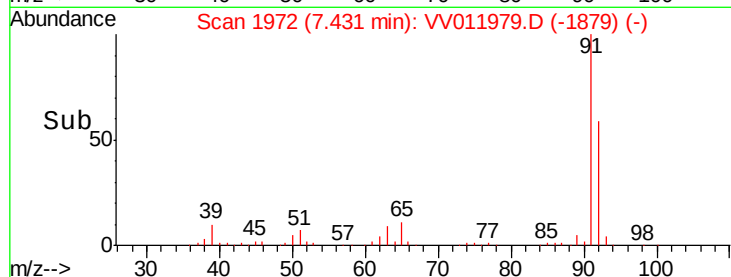
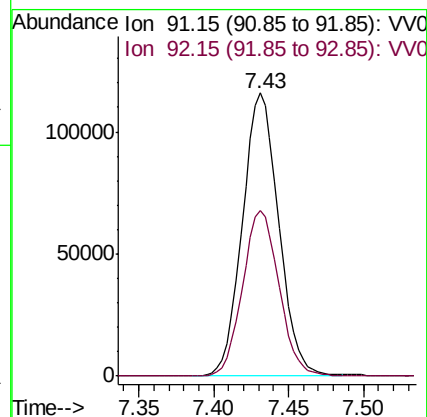
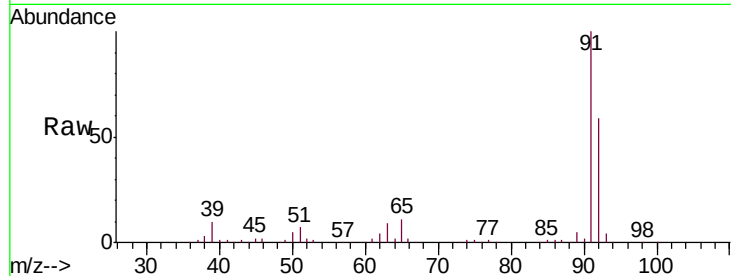
VSTD00545

Tgt Ion: 91 Resp: 195515

Ion Ratio Lower Upper

91 100

92 58.6 41.9 77.9



#44

trans-1,3-Dichloropropene

Concen: 4.991 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. -0.00 min

Lab File: VV011979.D

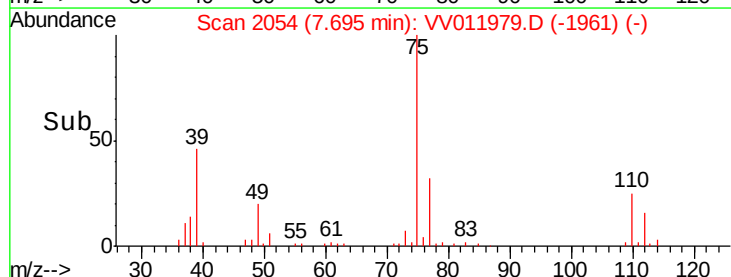
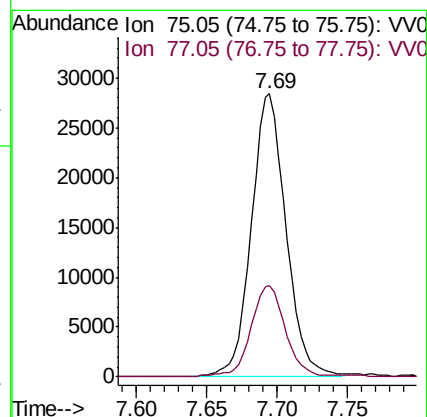
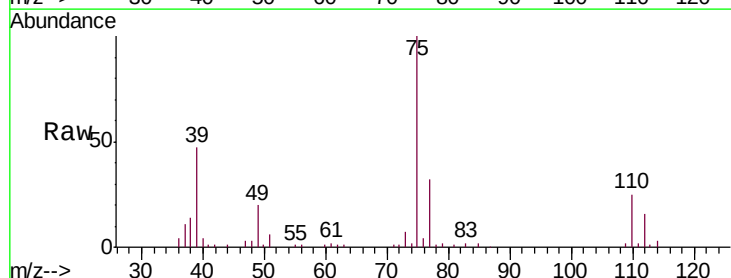
Acq: 23 Jul 2019 21:42

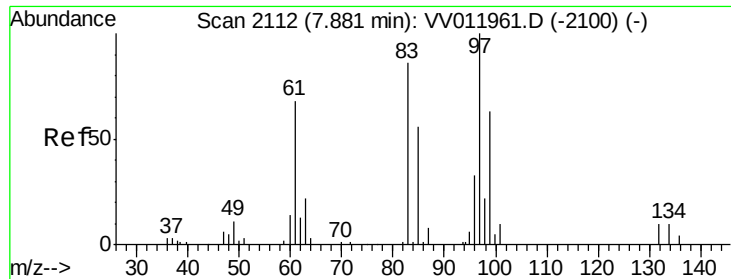
Tgt Ion: 75 Resp: 48988

Ion Ratio Lower Upper

75 100

77 32.2 22.0 40.8

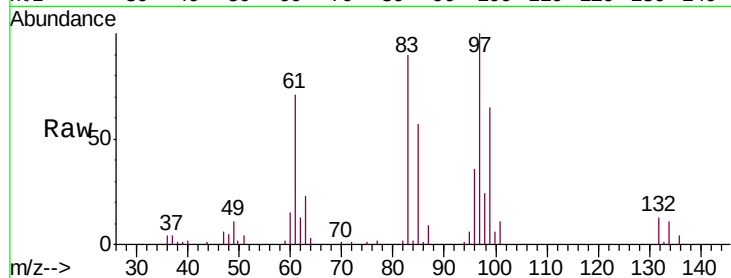




#45
 1,1,2-Trichloroethane
 Concen: 4.937 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VV011979.D
 Acq: 23 Jul 2019 21:42

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00545

Tgt Ion:	97	Resp:	28383
Ion	Ratio	Lower	Upper
97	100		
99	65.4	44.0	81.8
83	90.4	59.5	110.5
85	57.0	36.6	68.0



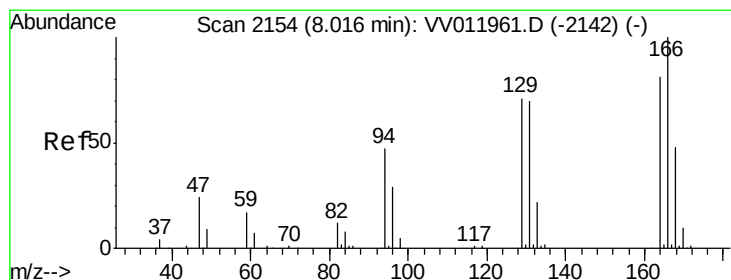
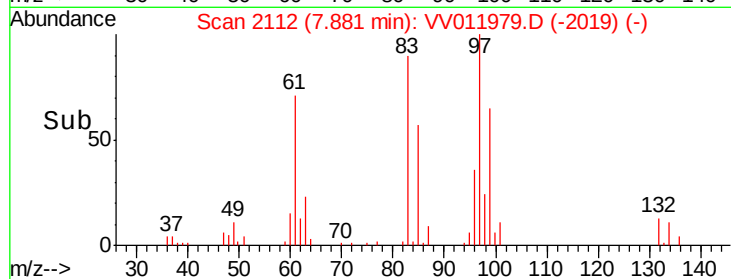
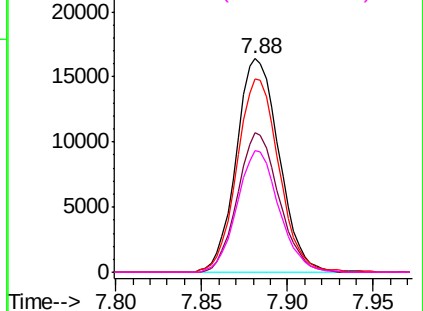
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

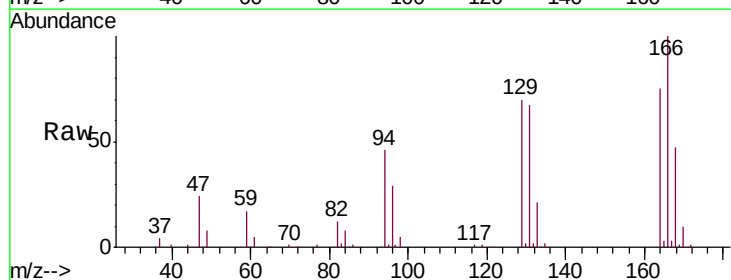
Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47
 Tetrachloroethene
 Concen: 5.097 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV011979.D
 Acq: 23 Jul 2019 21:42

Tgt Ion:	164	Resp:	42291
Ion	Ratio	Lower	Upper
164	100		
129	93.7	62.5	116.1
131	89.5	58.6	108.8
166	133.3	88.2	163.8



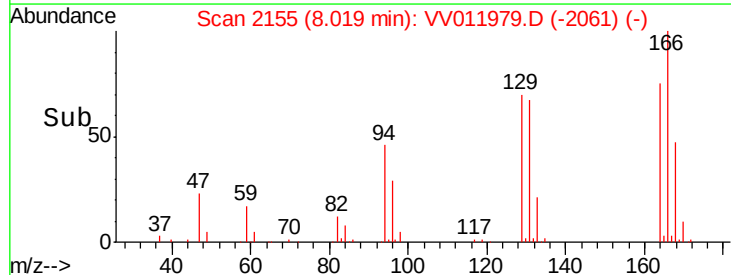
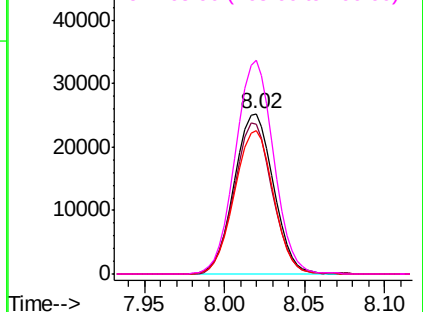
Abundance

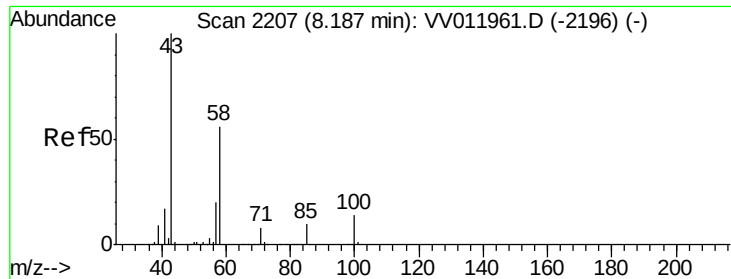
Ion 163.90 (163.60 to 164.60): V

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

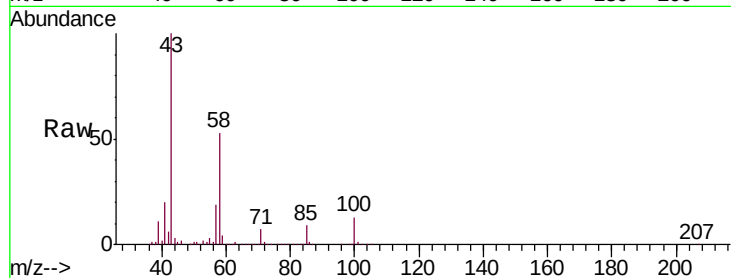




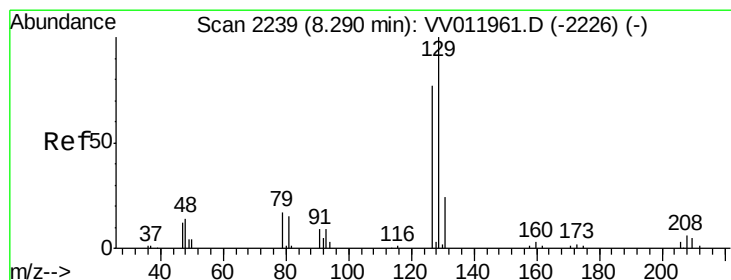
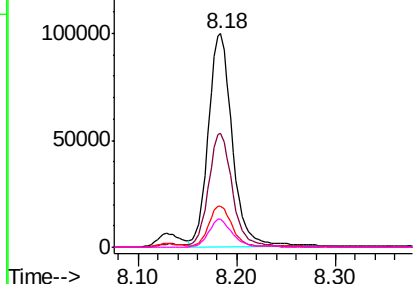
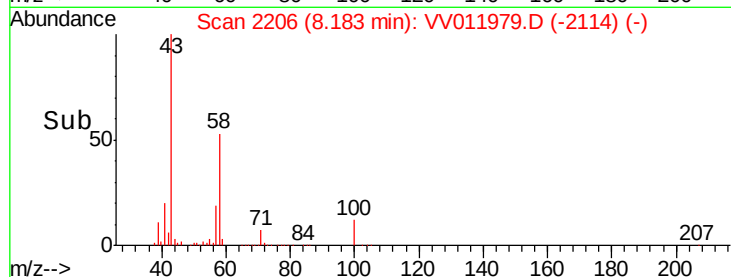
#48
2-Hexanone
Concen: 51.718 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. -0.00 min
Lab File: VV011979.D
Acq: 23 Jul 2019 21:42

Instrument :
MSVOA_V
ClientSampleId :
VSTD00545

Tgt Ion: 43 Resp: 168751
Ion Ratio Lower Upper
43 100
58 52.3 43.7 65.5
57 18.6 16.0 24.0
100 13.2 10.5 15.7

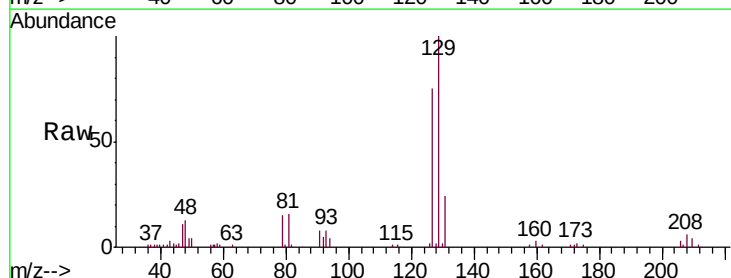


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

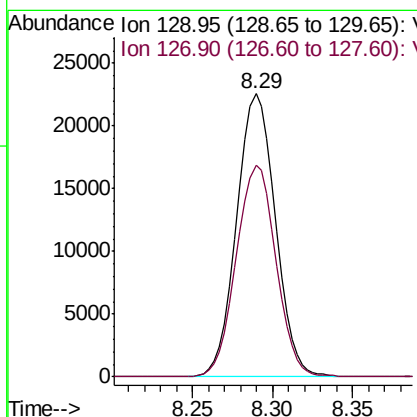
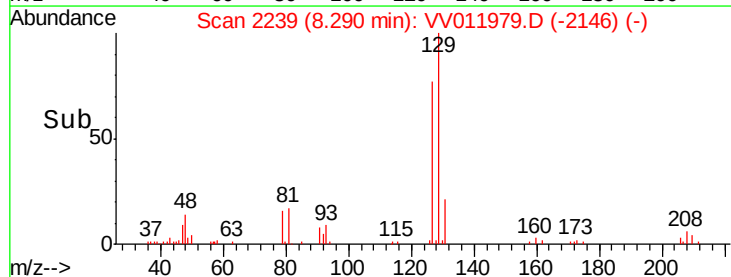


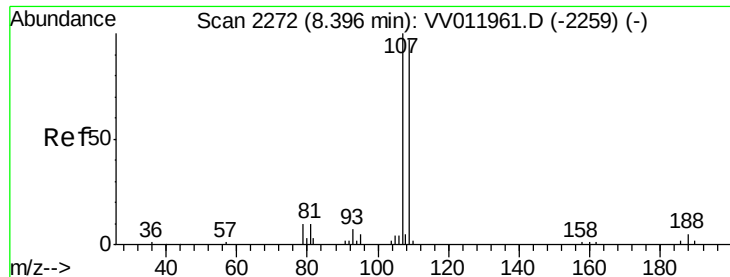
#49
Dibromochloromethane
Concen: 5.301 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV011979.D
Acq: 23 Jul 2019 21:42

Tgt Ion: 129 Resp: 37319
Ion Ratio Lower Upper
129 100
127 74.6 55.3 102.7



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

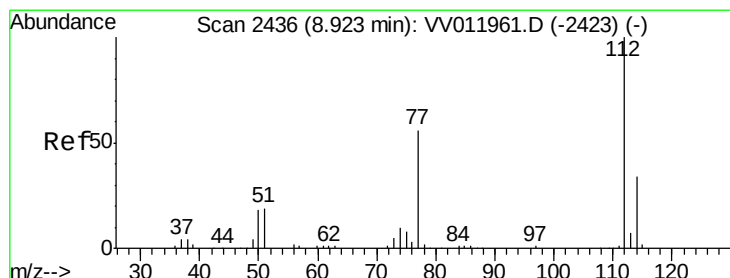
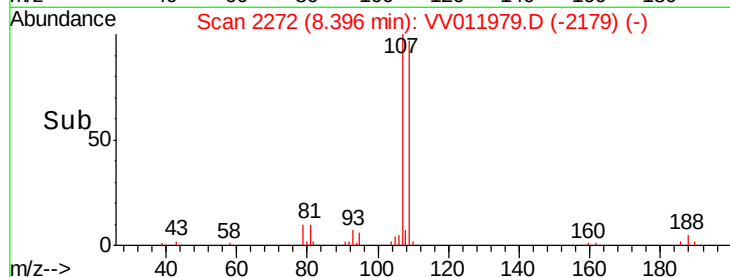
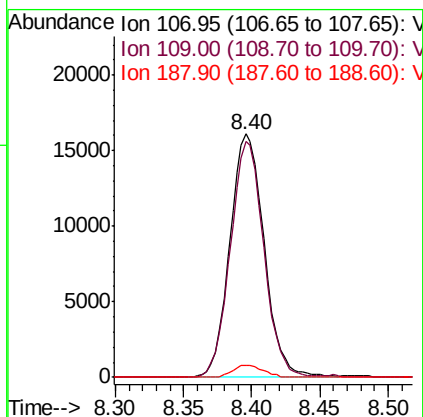
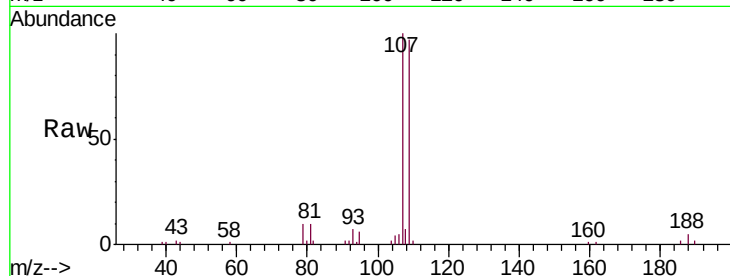




#50
1,2-Dibromoethane
Concen: 5.177 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VV011979.D
Acq: 23 Jul 2019 21:42

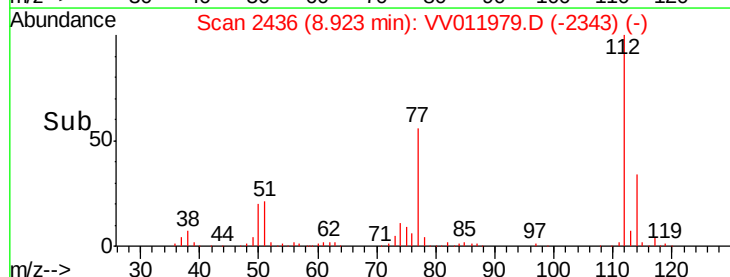
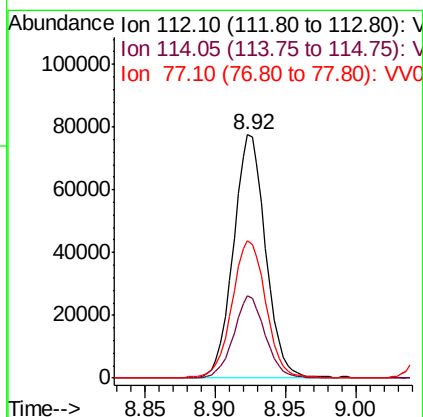
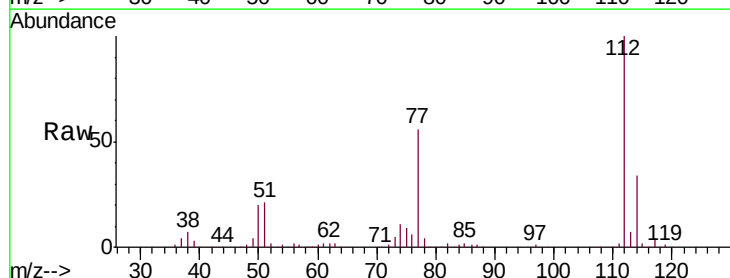
Instrument :
MSVOA_V
ClientSampleId :
VSTD00545

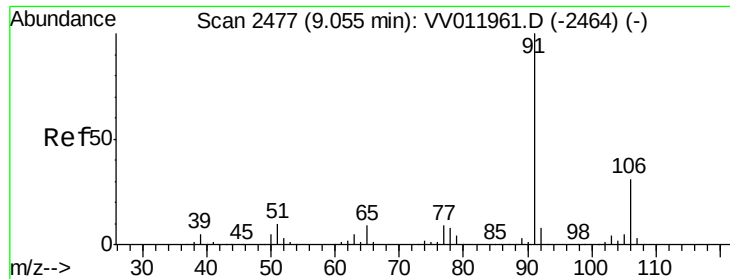
Tgt Ion:107 Resp: 28102
Ion Ratio Lower Upper
107 100
109 96.9 68.1 126.5
188 5.0 3.5 5.3



#51
Chlorobenzene
Concen: 5.109 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. -0.00 min
Lab File: VV011979.D
Acq: 23 Jul 2019 21:42

Tgt Ion:112 Resp: 124334
Ion Ratio Lower Upper
112 100
114 33.6 23.0 42.8
77 56.3 46.4 69.6





#52

Ethylbenzene

Concen: 5.130 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV011979.D

Acq: 23 Jul 2019 21:42

Instrument :

MSVOA_V

ClientSampleId :

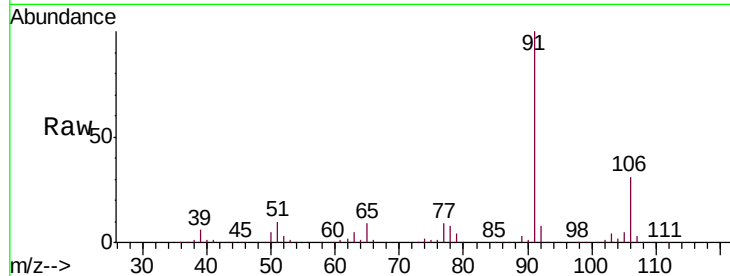
VSTD00545

Tgt Ion: 91 Resp: 217638

Ion Ratio Lower Upper

91 100

106 30.6 21.6 40.0



Abundance Ion 91.15 (90.85 to 91.85): VV011979.D (-2384) (-)

Ion 106.15 (105.85 to 106.85): VV011979.D (-2384) (-)

9.05

150000

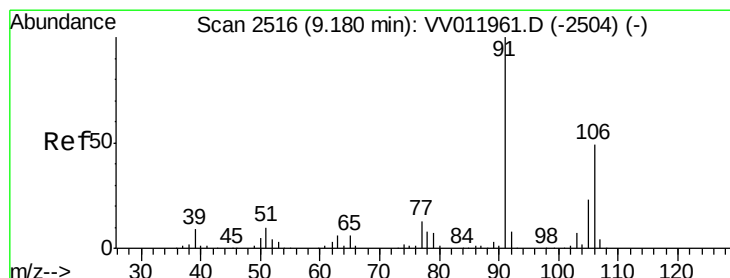
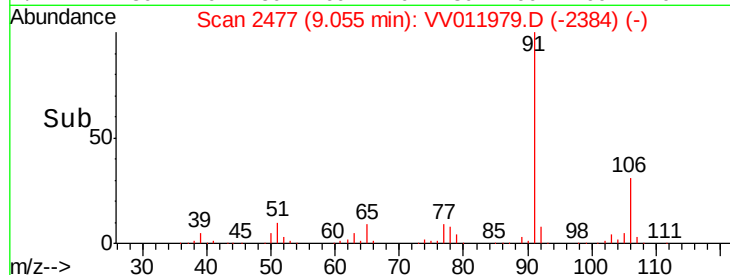
100000

50000

0

8.95 9.00 9.05 9.10 9.15

Time-->



#53

m,p-xylene

Concen: 5.225 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV011979.D

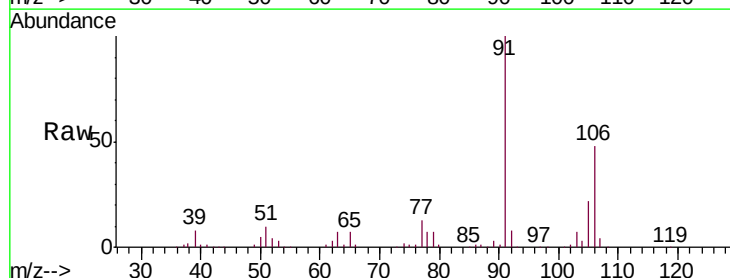
Acq: 23 Jul 2019 21:42

Tgt Ion: 106 Resp: 84386

Ion Ratio Lower Upper

106 100

91 208.2 142.7 265.1



Abundance Ion 106.15 (105.85 to 106.85): VV011979.D (-2423) (-)

Ion 91.15 (90.85 to 91.85): VV011979.D (-2423) (-)

9.18

120000

100000

80000

60000

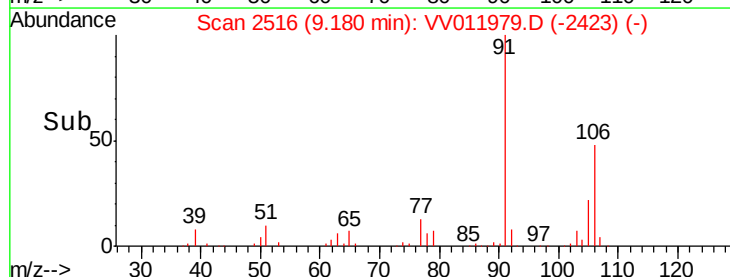
40000

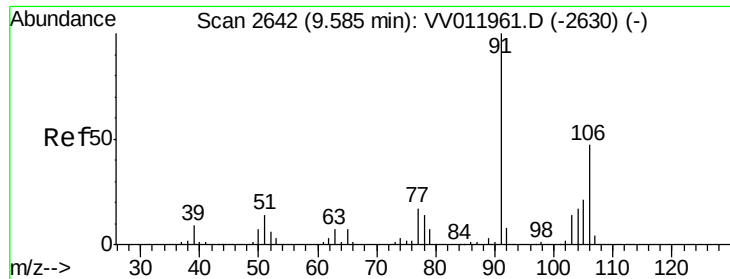
20000

0

9.10 9.15 9.20 9.25

Time-->





#54

o-xylene

Concen: 5.285 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. -0.00 min

Lab File: VV011979.D

Acq: 23 Jul 2019 21:42

Instrument :

MSVOA_V

ClientSampleId :

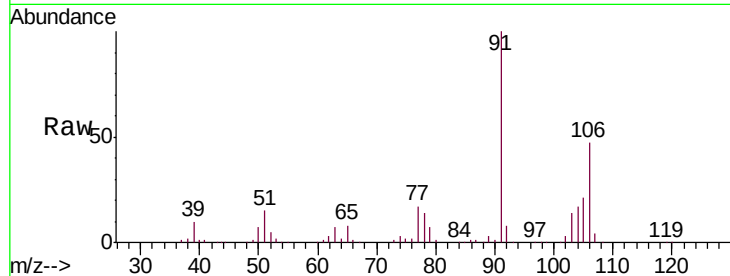
VSTD00545

Tgt Ion:106 Resp: 80925

Ion Ratio Lower Upper

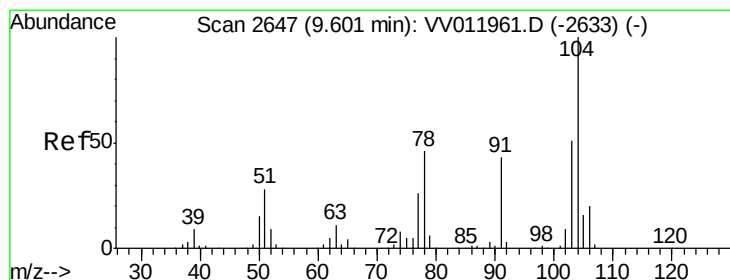
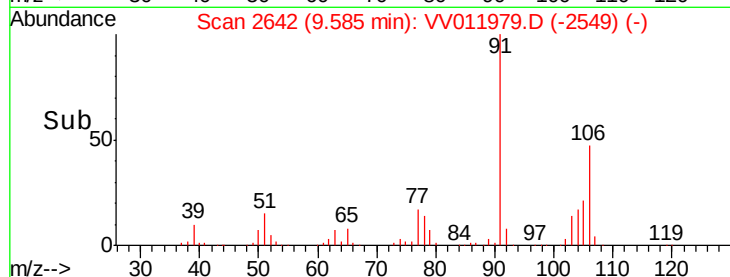
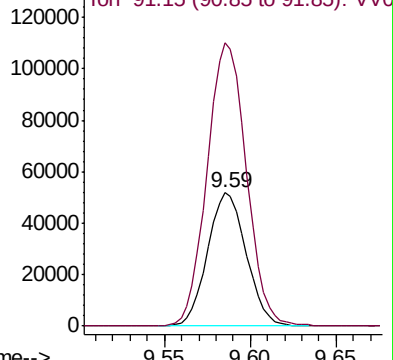
106 100

91 212.5 151.0 280.4



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.347 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. -0.00 min

Lab File: VV011979.D

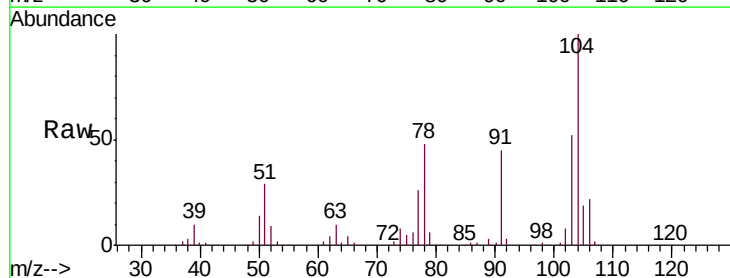
Acq: 23 Jul 2019 21:42

Tgt Ion:104 Resp: 137968

Ion Ratio Lower Upper

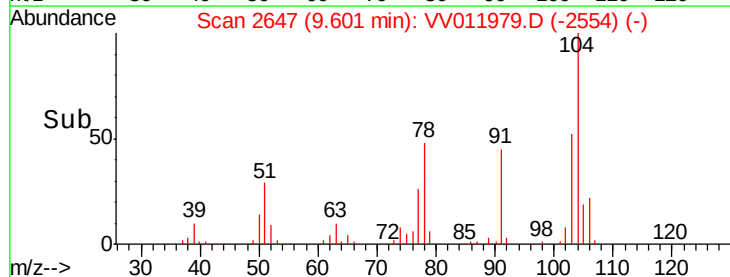
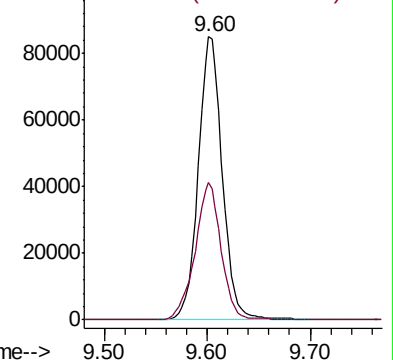
104 100

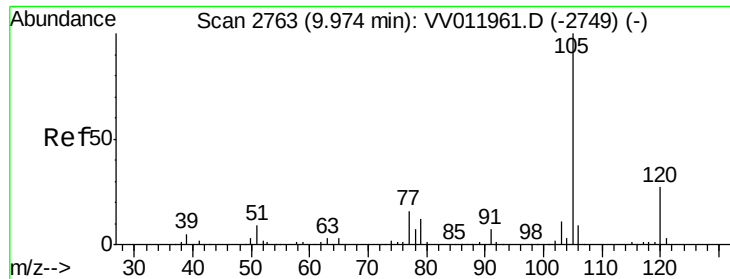
78 48.5 30.8 57.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.187 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV011979.D

Acq: 23 Jul 2019 21:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD00545

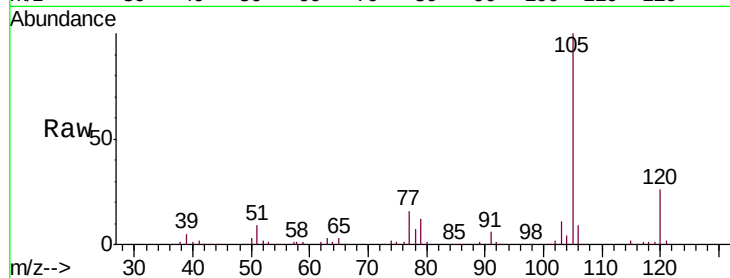
Tgt Ion: 105 Resp: 221815

Ion Ratio Lower Upper

105 100

120 26.8 20.8 31.2

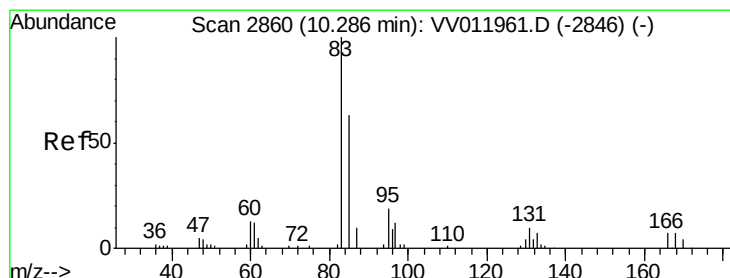
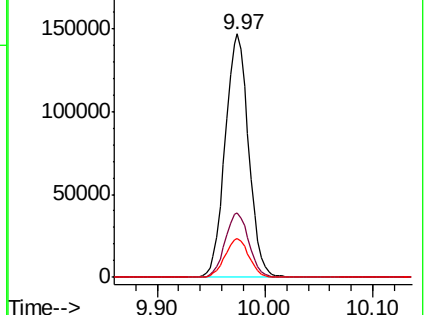
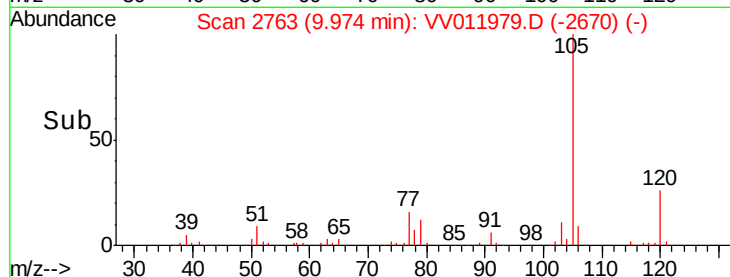
77 16.3 12.6 19.0



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: 5.189 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VV011979.D

Acq: 23 Jul 2019 21:42

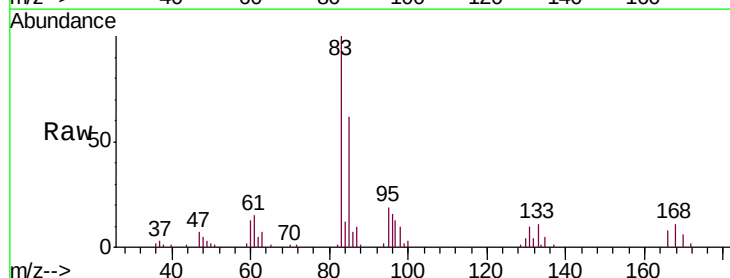
Tgt Ion: 83 Resp: 32334

Ion Ratio Lower Upper

83 100

85 62.3 46.3 85.9

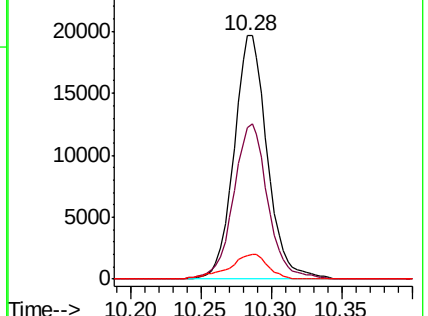
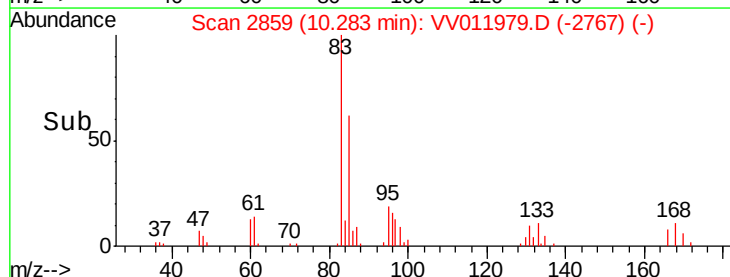
131 9.7 8.9 13.3

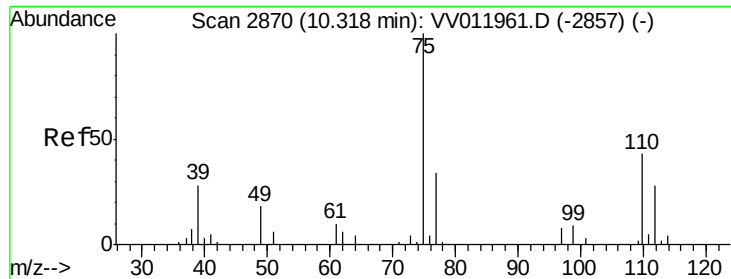


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

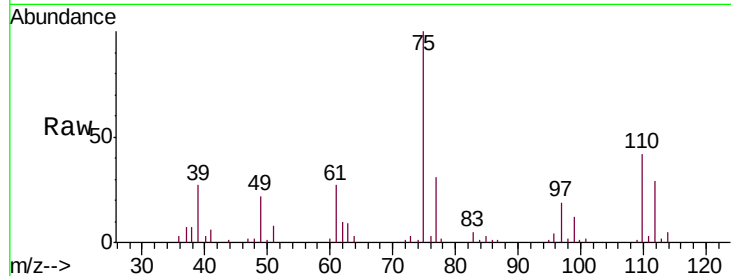




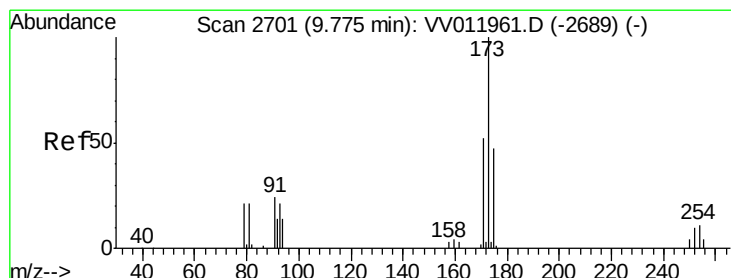
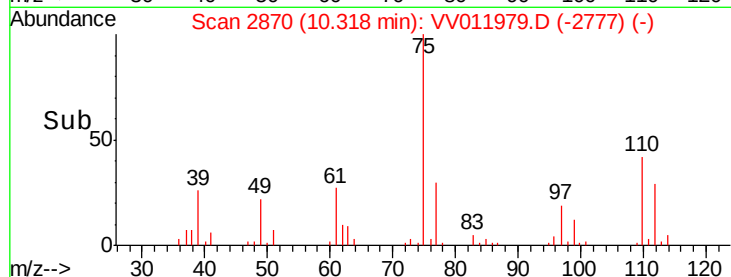
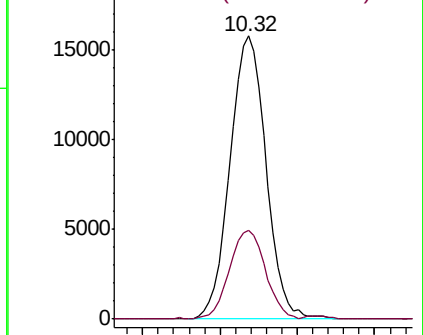
#59
 1,2,3-Trichloropropane
 Concen: 5.228 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: VV011979.D
 Acq: 23 Jul 2019 21:42

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00545

Tgt Ion: 75 Resp: 25385
 Ion Ratio Lower Upper
 75 100
 77 31.4 26.2 39.2

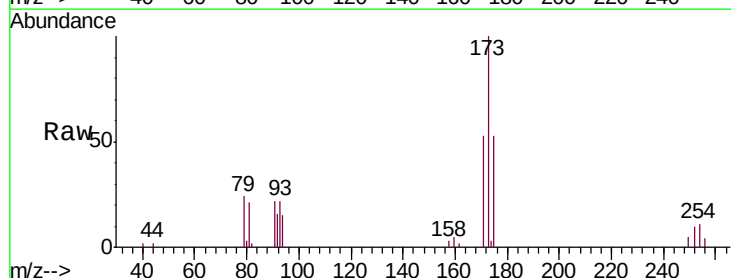


Abundance Ion 75.00 (74.70 to 75.70): VV011961.D (-2857) (-)
 Ion 77.00 (76.70 to 77.70): VV011961.D (-2857) (-)

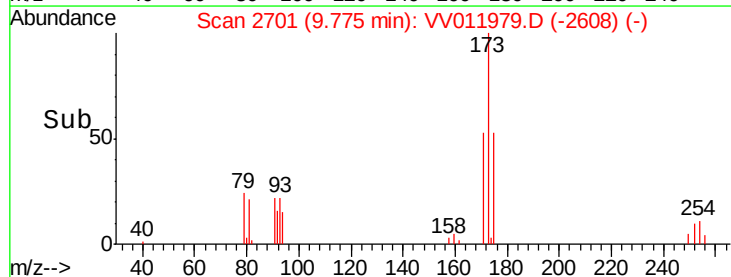
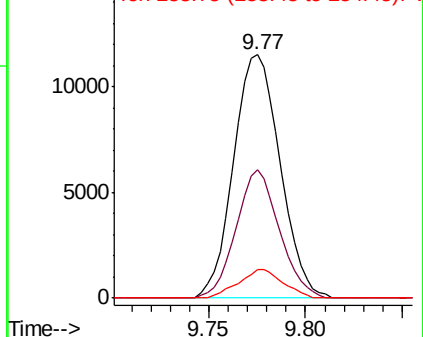


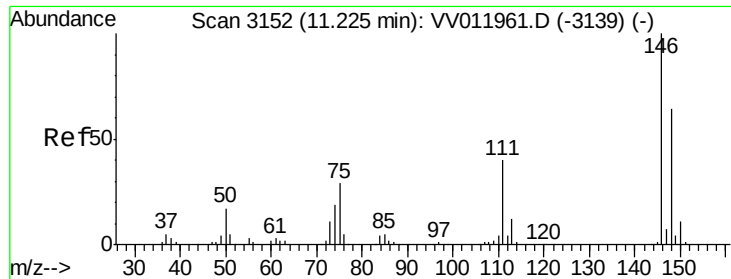
#61
 Bromoform
 Concen: 5.031 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. -0.00 min
 Lab File: VV011979.D
 Acq: 23 Jul 2019 21:42

Tgt Ion: 173 Resp: 19237
 Ion Ratio Lower Upper
 173 100
 175 49.0 39.6 59.4
 254 11.2 7.9 11.9



Abundance Ion 172.90 (172.60 to 173.60): VV011961.D (-2689) (-)
 Ion 174.90 (174.60 to 175.60): VV011961.D (-2689) (-)
 Ion 253.75 (253.45 to 254.45): VV011961.D (-2689) (-)

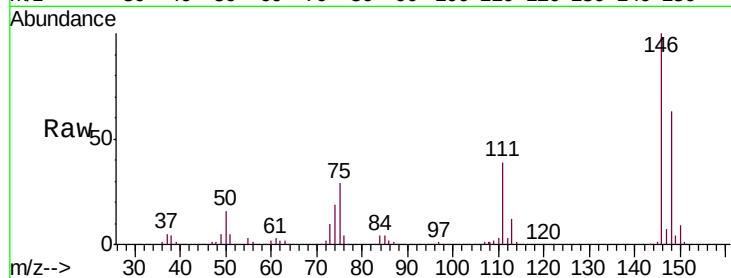




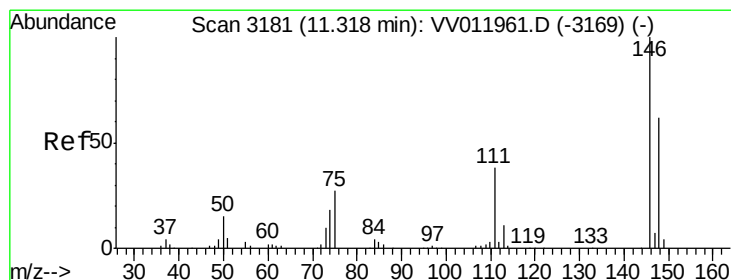
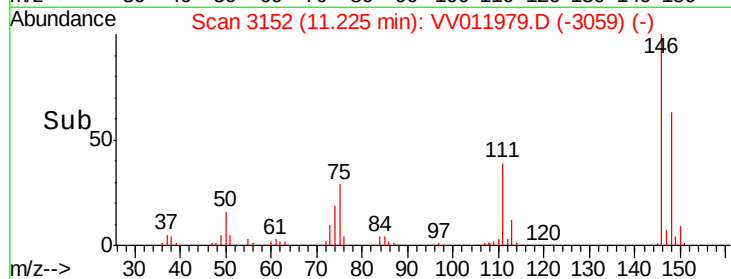
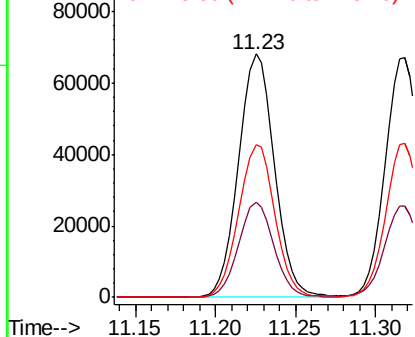
#62
 1,3-Dichlorobenzene
 Concen: 5.124 ug/L
 RT: 11.23 min Scan# 3152
 Delta R.T. -0.00 min
 Lab File: VV011979.D
 Acq: 23 Jul 2019 21:42

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00545

Tgt Ion:146 Resp: 104403
 Ion Ratio Lower Upper
 146 100
 111 39.2 27.1 50.3
 148 62.8 44.5 82.7

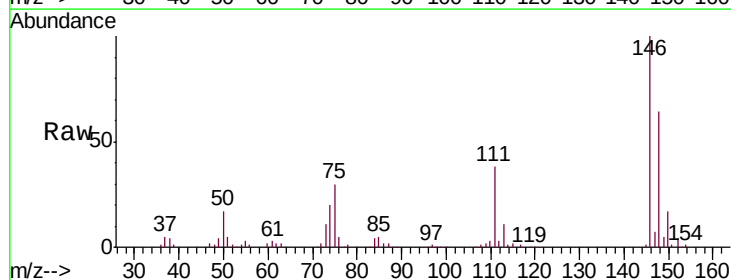


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

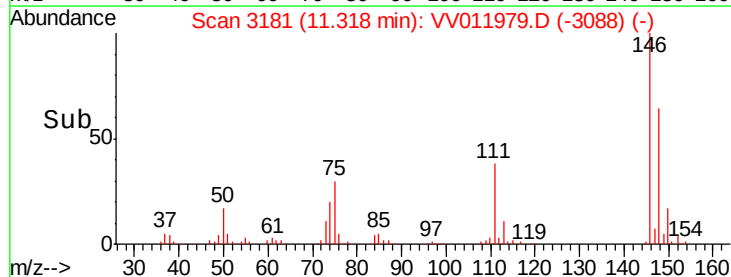
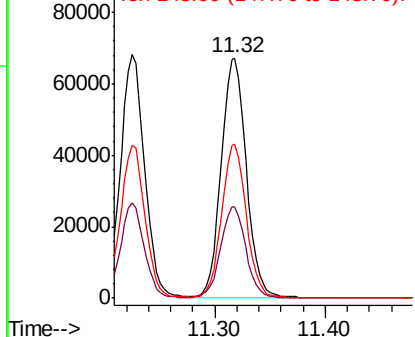


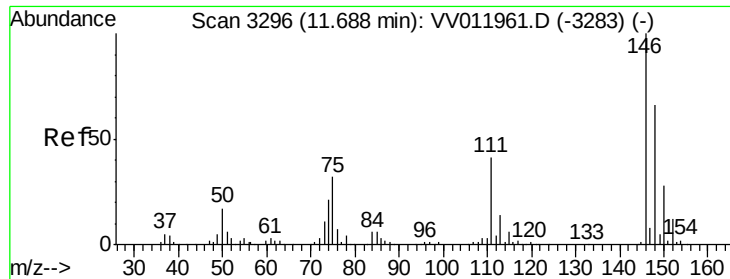
#63
 1,4-Dichlorobenzene
 Concen: 5.082 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. -0.00 min
 Lab File: VV011979.D
 Acq: 23 Jul 2019 21:42

Tgt Ion:146 Resp: 106602
 Ion Ratio Lower Upper
 146 100
 111 37.7 26.0 48.2
 148 64.2 43.0 80.0



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





#65

1,2-Dichlorobenzene

Concen: 5.236 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. -0.00 min

Lab File: VV011979.D

Acq: 23 Jul 2019 21:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD00545

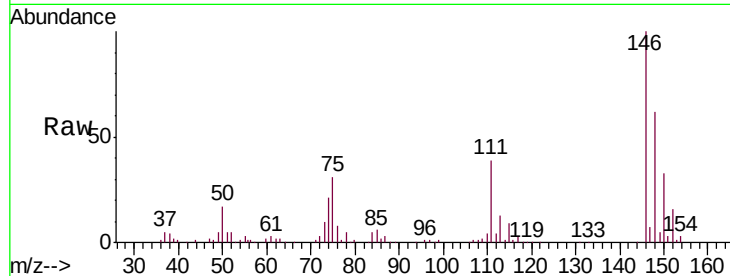
Tgt Ion:146 Resp: 98211

Ion Ratio Lower Upper

146 100

111 39.2 32.5 48.7

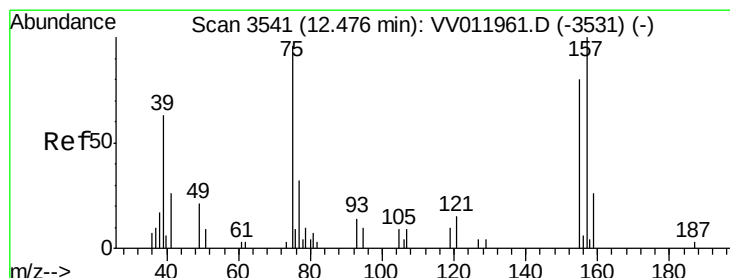
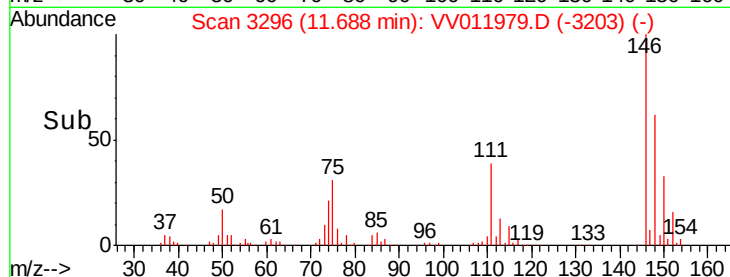
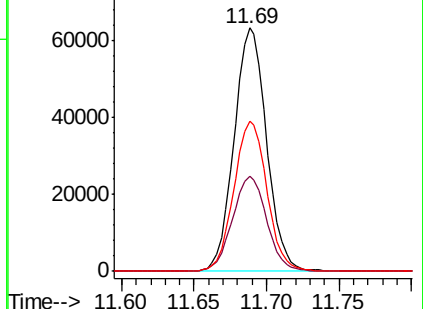
148 61.7 51.4 77.0



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: 4.925 ug/L

RT: 12.47 min Scan# 3540

Delta R.T. -0.00 min

Lab File: VV011979.D

Acq: 23 Jul 2019 21:42

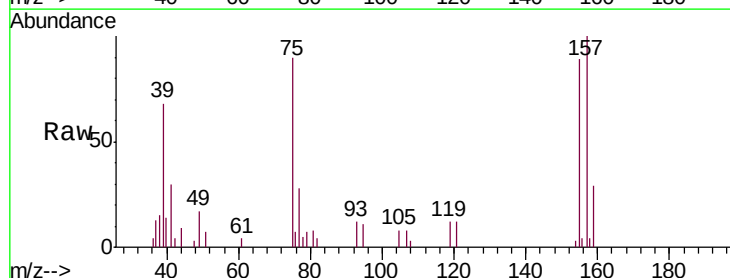
Tgt Ion: 75 Resp: 5367

Ion Ratio Lower Upper

75 100

155 98.3 69.5 104.3

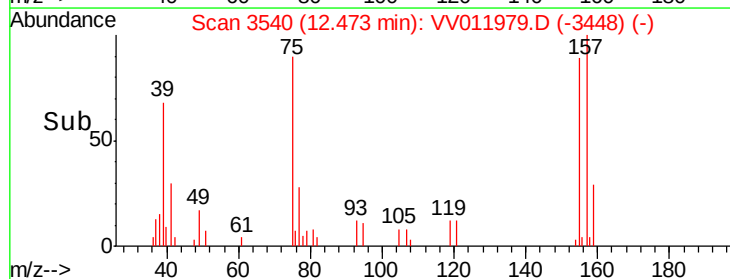
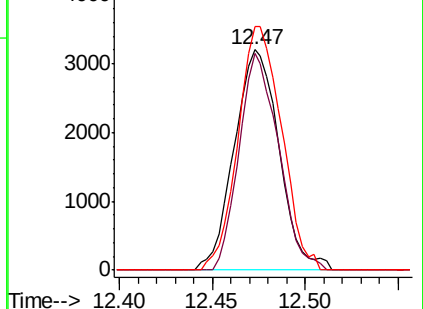
157 110.6 96.2 144.2

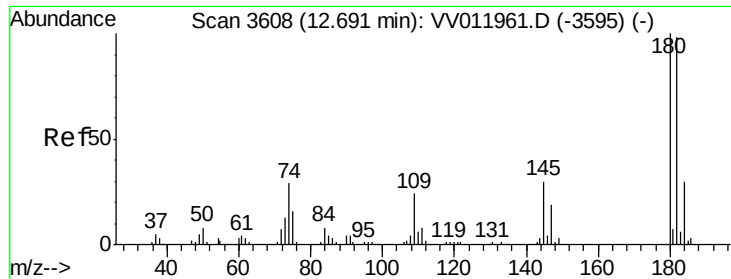


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

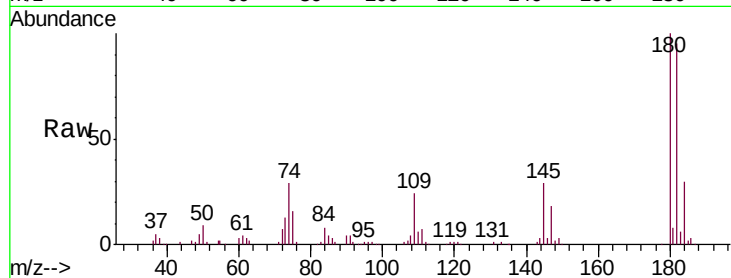




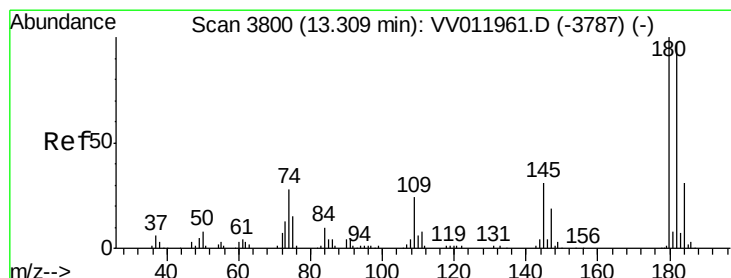
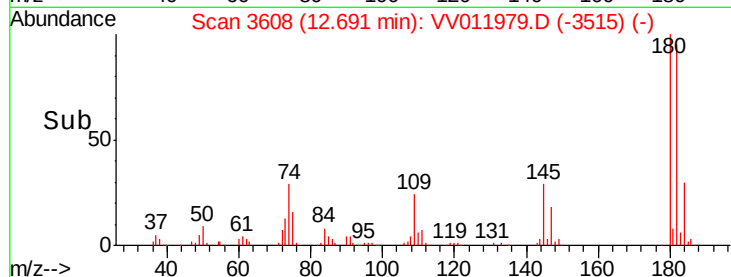
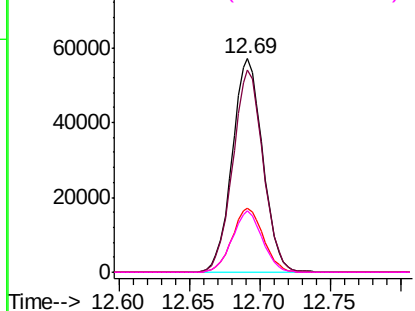
#67
 1,3,5-Trichlorobenzene
 Concen: 5.069 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. -0.00 min
 Lab File: VV011979.D
 Acq: 23 Jul 2019 21:42

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00545

Tgt Ion:180 Resp: 86375
 Ion Ratio Lower Upper
 180 100
 182 94.3 77.4 116.0
 184 30.6 25.2 37.8
 145 28.3 24.4 36.6

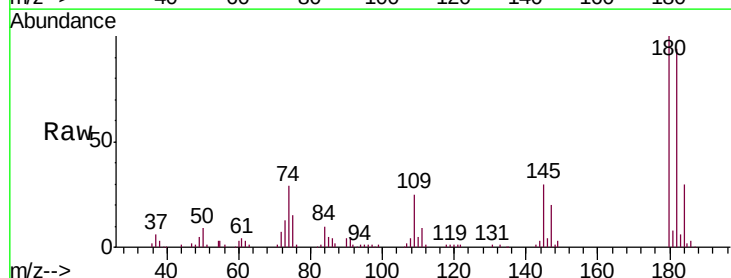


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

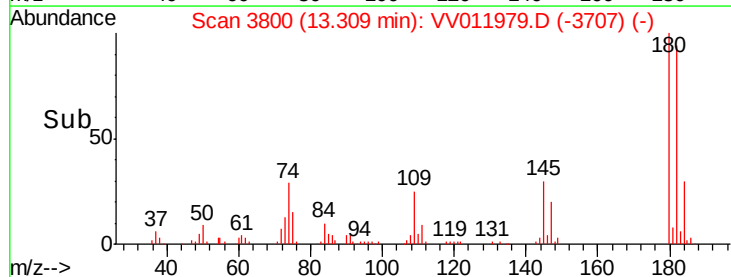
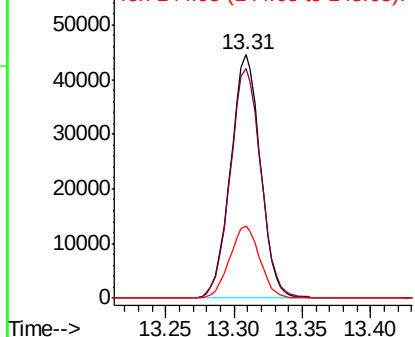


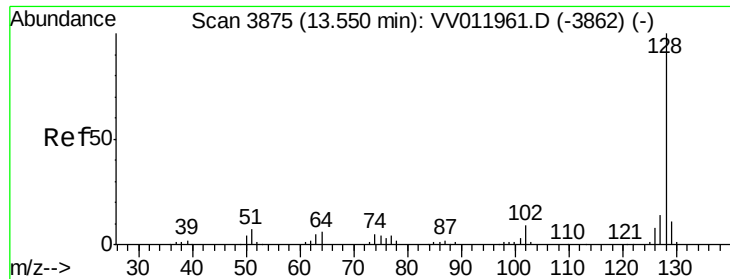
#68
 1,2,4-trichlorobenzene
 Concen: 4.891 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. -0.00 min
 Lab File: VV011979.D
 Acq: 23 Jul 2019 21:42

Tgt Ion:180 Resp: 67682
 Ion Ratio Lower Upper
 180 100
 182 96.9 75.8 113.8
 145 29.7 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: 4.681 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. -0.00 min

Lab File: VV011979.D

Acq: 23 Jul 2019 21:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD00545

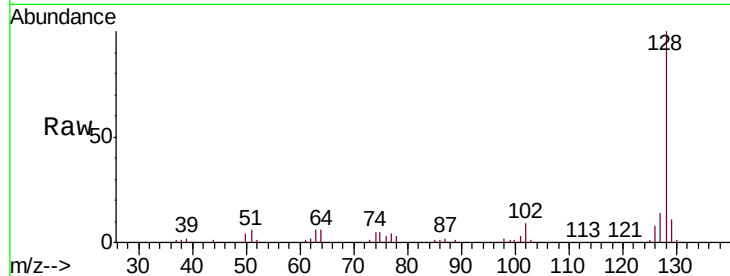
Tgt Ion:128 Resp: 97685

Ion Ratio Lower Upper

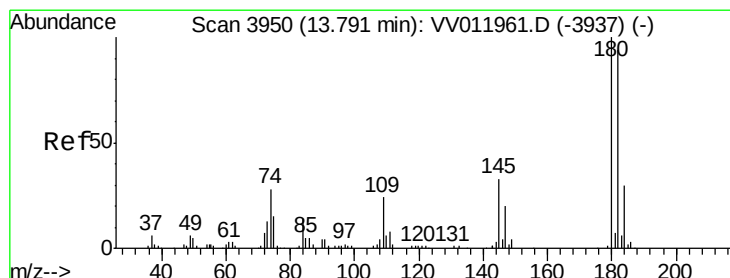
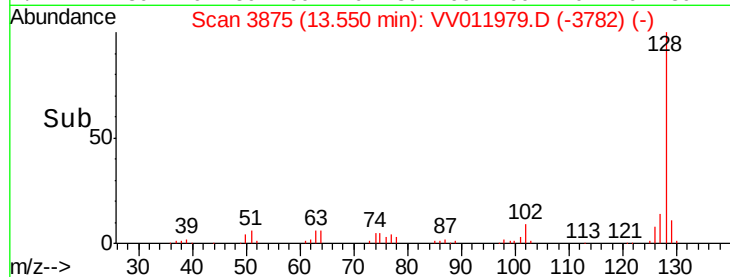
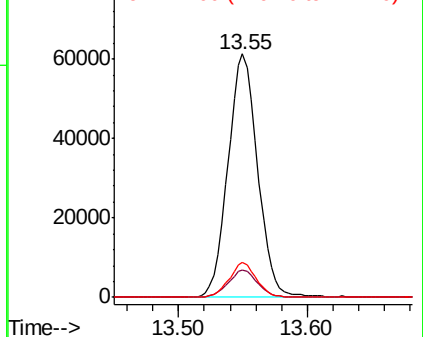
128 100

129 11.1 8.2 12.2

127 13.2 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: 5.009 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. -0.00 min

Lab File: VV011979.D

Acq: 23 Jul 2019 21:42

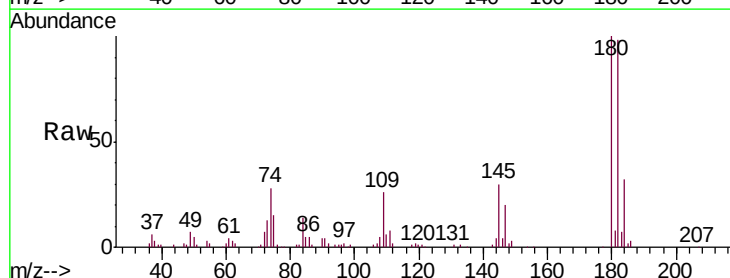
Tgt Ion:180 Resp: 62887

Ion Ratio Lower Upper

180 100

182 95.8 75.5 113.3

145 30.6 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

