

Data File : VV011571.D
Acq On : 18 Jun 2019 13:18
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00557

Quant Time: Jun 19 02:08:50 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jun 18 11:44:39 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	170714	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	161151	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	71626	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	60587	4.70	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.00%
7) Chloroethane-d5	1.58	69	46091	5.64	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	112.80%
11) 1,1-Dichloroethene-d2	2.12	63	119438	4.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.40%
20) 2-Butanone-d5	3.96	46	177804	49.02	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.04%
24) Chloroform-d	4.40	84	129110	5.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.20%
26) 1,2-Dichloroethane-d4	5.08	65	70918	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.60%
32) Benzene-d6	5.09	84	247683	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.00%
36) 1,2-Dichloropropane-d6	6.12	67	77761	5.09	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.80%
41) Toluene-d8	7.36	98	225403	5.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.20%
43) trans-1,3-Dichloropropene-	7.66	79	26050	5.13	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	102.60%
46) 2-Hexanone-d5	8.14	63	134751	45.98	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.96%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	53843	4.71	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	74128	5.19	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	84320	5.537	ug/L 99
3) Chloromethane	1.25	50	77314	4.687	ug/L 97
5) Vinyl chloride	1.32	62	77469	4.755	ug/L 95
6) Bromomethane	1.53	94	31335	4.600	ug/L 100
8) Chloroethane	1.60	64	42345	5.367	ug/L 95
9) Trichlorofluoromethane	1.76	101	95702	5.333	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	56032	5.466	ug/L 98
12) 1,1-Dichloroethene	2.13	96	53246	5.015	ug/L 92
13) Acetone	2.22	43	103979	42.542	ug/L 95
14) Carbon disulfide	2.31	76	129550	4.514	ug/L 100
15) Methyl Acetate	2.47	43	26748	4.128	ug/L 100
16) Methylene chloride	2.53	84	59783	4.954	ug/L 97
17) Methyl tert-butyl Ether	2.81	73	140345	4.409	ug/L 98
18) trans-1,2-Dichloroethene	2.78	96	58762	4.895	ug/L 99
19) 1,1-Dichloroethane	3.22	63	119922	4.829	ug/L 97
21) 2-Butanone	4.04	43	168904	43.679	ug/L 97
22) cis-1,2-Dichloroethene	3.96	96	65225	4.796	ug/L 94

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Instrument :
MSVOA_V
ClientSampleId :
VSTD00557

Quant Time: Jun 19 02:08:50 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jun 18 11:44:39 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	25545	4.779	ug/L	98
25) Chloroform	4.42	83	121980	4.895	ug/L	97
27) 1,2-Dichloroethane	5.18	62	81065	4.615	ug/L	99
29) 1,1,1-Trichloroethane	4.65	97	100178	4.996	ug/L	98
30) Cyclohexane	4.72	56	107344	5.182	ug/L	100
31) Carbon tetrachloride	4.87	117	83975	5.176	ug/L	99
33) Benzene	5.14	78	258916	4.919	ug/L	100
34) Trichloroethene	5.95	95	66568	4.959	ug/L	98
35) Methylcyclohexane	6.17	83	106898	5.586	ug/L	100
37) 1,2-Dichloropropane	6.22	63	64529	4.606	ug/L	99
38) Bromodichloromethane	6.55	83	74221	4.663	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	87561	4.965	ug/L	97
40) 4-Methyl-2-pentanone	7.28	43	414325	41.483	ug/L	99
42) Toluene	7.43	91	275734	5.055	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	65847	4.881	ug/L	96
45) 1,1,2-Trichloroethane	7.88	97	42038	4.495	ug/L	96
47) Tetrachloroethene	8.02	164	49641	5.186	ug/L	97
48) 2-Hexanone	8.19	43	295562	42.095	ug/L	99
49) Dibromochloromethane	8.29	129	43029	4.579	ug/L	97
50) 1,2-Dibromoethane	8.40	107	39029	4.614	ug/L	98
51) Chlorobenzene	8.92	112	166554	4.972	ug/L	98
52) Ethylbenzene	9.05	91	298143	5.204	ug/L	100
53) m,p-xylene	9.18	106	110538	5.272	ug/L	99
54) o-xylene	9.59	106	109960	5.222	ug/L	95
55) Styrene	9.60	104	178541	5.112	ug/L	99
56) Isopropylbenzene	9.97	105	286170	5.339	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	47885	4.187	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	37425	4.278	ug/L	99
61) Bromoform	9.77	173	19765	4.328	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	115600	4.978	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	116921	4.942	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	111918	4.788	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	6486	3.821	ug/L	91
67) 1,3,5-Trichlorobenzene	12.69	180	85347	5.031	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	61883	4.543	ug/L	99
69) Naphthalene	13.55	128	100513	3.752	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	58846	4.455	ug/L	99

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

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ALS Vial      : 2      Sample Multiplier: 1
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Instrument :
MSVOA_V
ClientSampleId :
VSTD00557

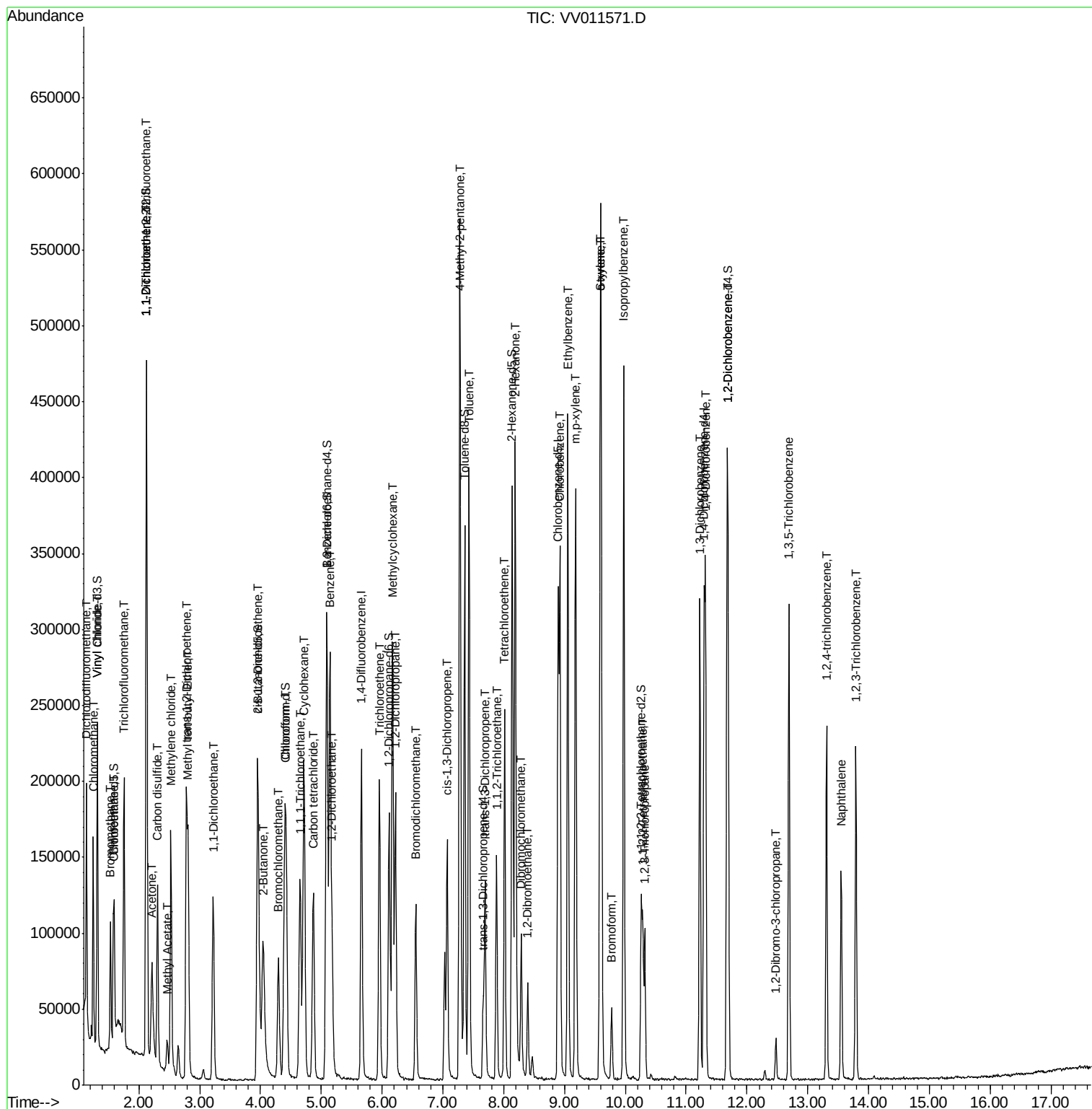
Quant Time: Jun 19 02:08:50 2019

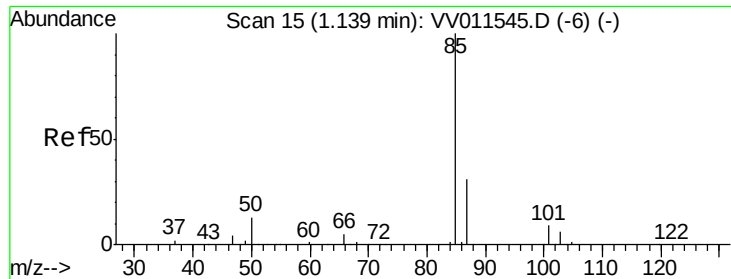
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVTR061419WMA.M

Quant Title : TRACE VOA SOM01.0

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 5.537 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV011571.D

Acq: 18 Jun 2019 13:18

Instrument :

MSVOA_V

ClientSampleId :

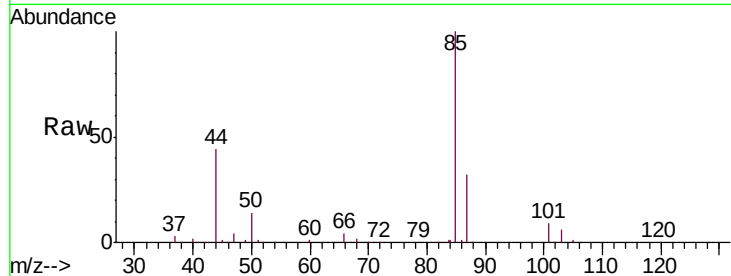
VSTD00557

Tgt Ion: 85 Resp: 84320

Ion Ratio Lower Upper

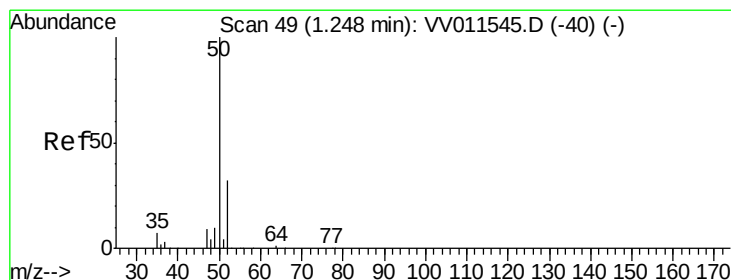
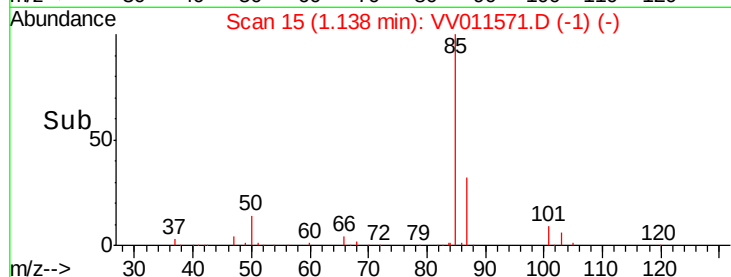
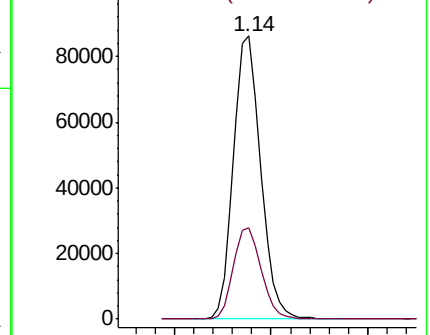
85 100

87 32.9 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV011545.D (-6) (-)

Ion 87.00 (86.70 to 87.70): VV011545.D (-6) (-)



#3

Chloromethane

Concen: 4.687 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV011571.D

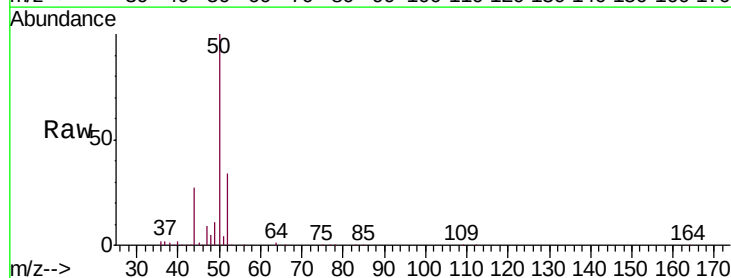
Acq: 18 Jun 2019 13:18

Tgt Ion: 50 Resp: 77314

Ion Ratio Lower Upper

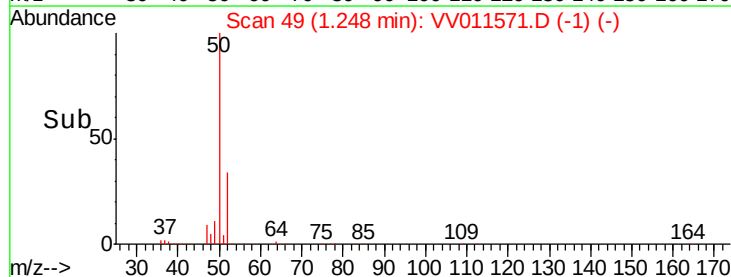
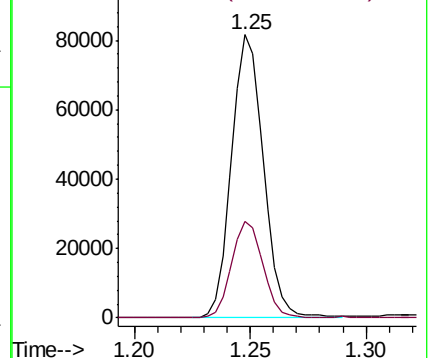
50 100

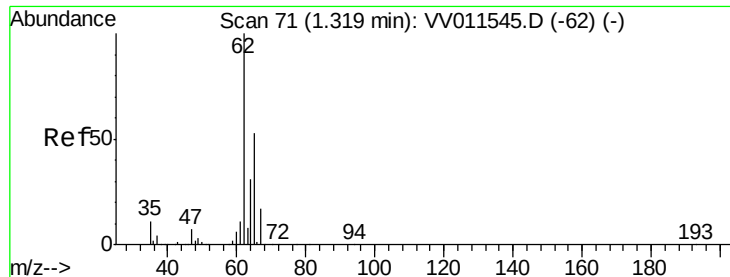
52 34.1 22.7 42.1



Abundance Ion 50.05 (49.75 to 50.75): VV011545.D (-40) (-)

Ion 52.05 (51.75 to 52.75): VV011545.D (-40) (-)





#5

Vinyl chloride

Concen: 4.755 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV011571.D

Acq: 18 Jun 2019 13:18

Instrument :

MSVOA_V

ClientSampleId :

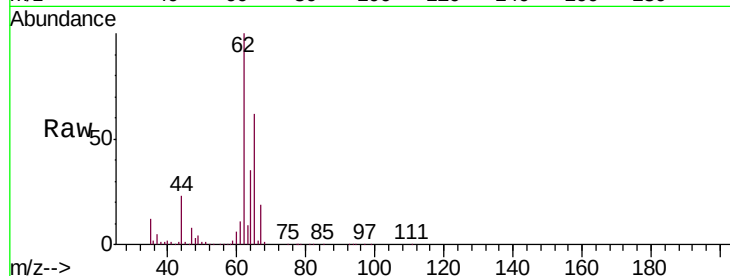
VSTD00557

Tgt Ion: 62 Resp: 77469

Ion Ratio Lower Upper

62 100

64 35.4 23.0 42.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

80000

60000

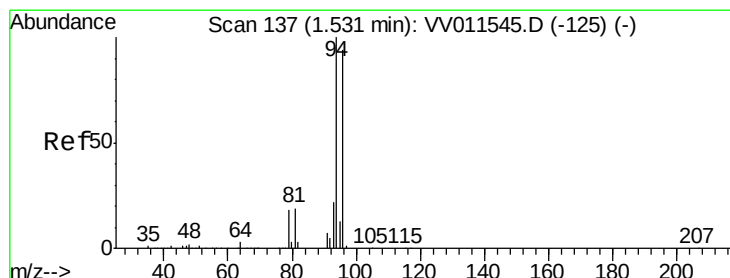
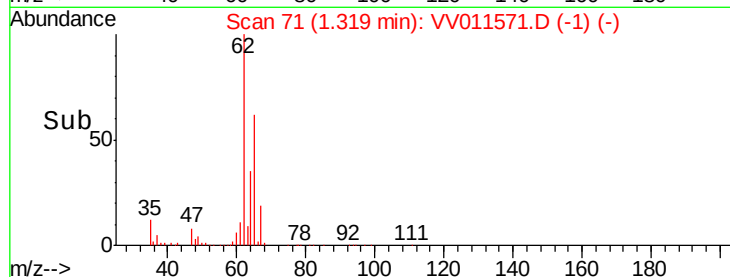
40000

20000

0

Time-->

1.25 1.30 1.35 1.40



#6

Bromomethane

Concen: 4.600 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV011571.D

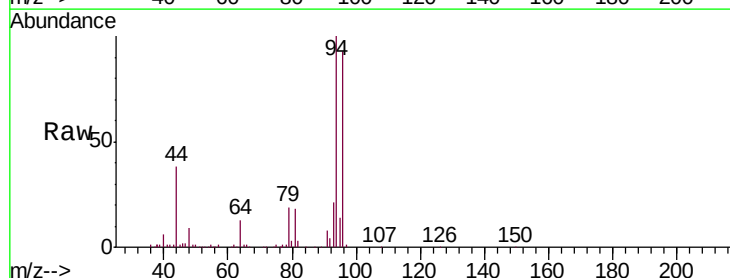
Acq: 18 Jun 2019 13:18

Tgt Ion: 94 Resp: 31335

Ion Ratio Lower Upper

94 100

96 93.3 65.5 121.7



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

30000

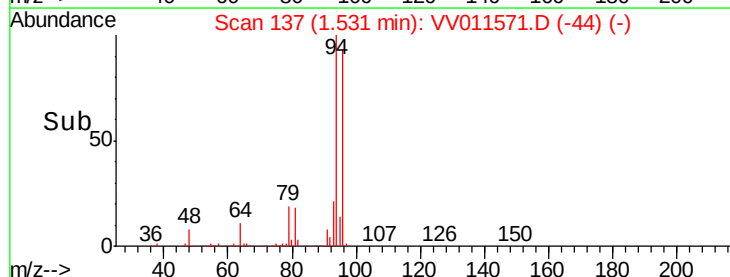
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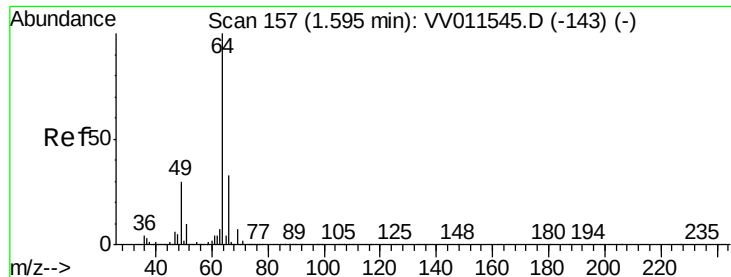
10000

0

Time-->

1.50 1.55 1.60





#8

Chloroethane

Concen: 5.367 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV011571.D

Acq: 18 Jun 2019 13:18

Instrument :

MSVOA_V

ClientSampleId :

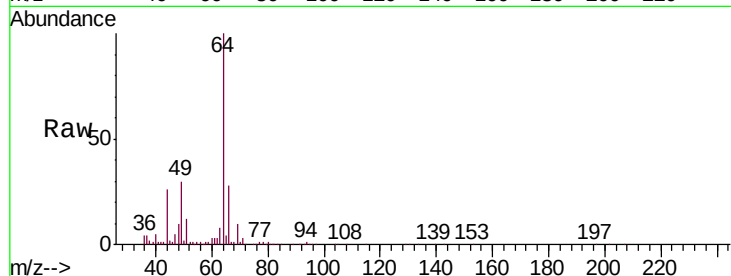
VSTD00557

Tgt Ion: 64 Resp: 42345

Ion Ratio Lower Upper

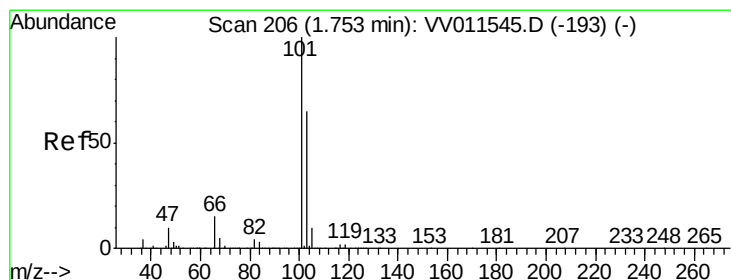
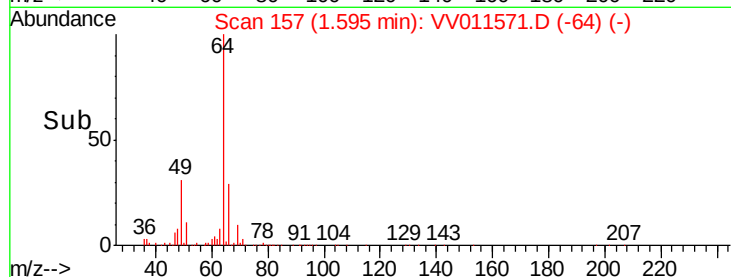
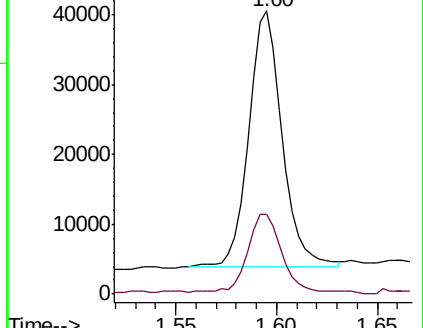
64 100

66 28.3 21.6 40.2



Abundance Ion 64.10 (63.80 to 64.80): VV011571.D (-64) (-)

Ion 66.05 (65.75 to 66.75): VV011571.D (-64) (-)



#9

Trichlorofluoromethane

Concen: 5.333 ug/L

RT: 1.76 min Scan# 207

Delta R.T. 0.00 min

Lab File: VV011571.D

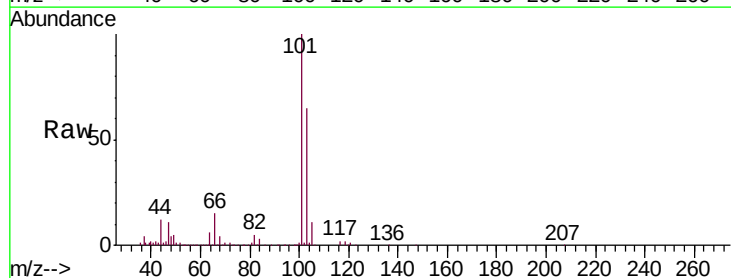
Acq: 18 Jun 2019 13:18

Tgt Ion: 101 Resp: 95702

Ion Ratio Lower Upper

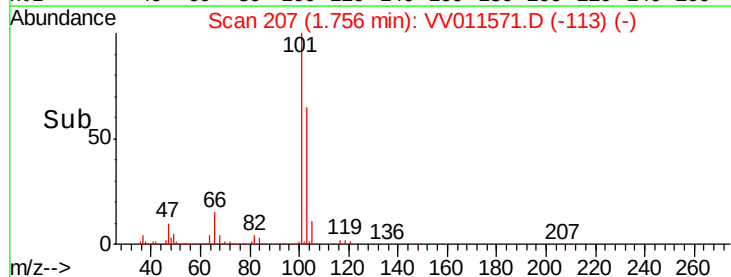
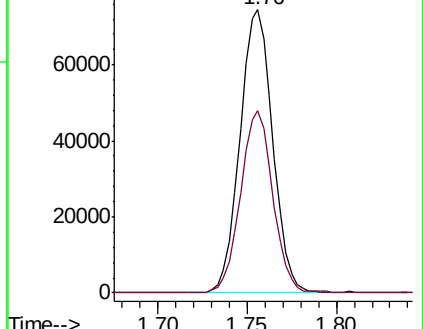
101 100

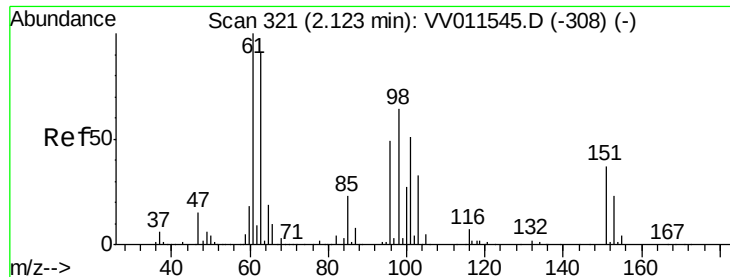
103 63.8 52.5 78.7



Abundance Ion 101.00 (100.70 to 101.70): VV011571.D (-113) (-)

Ion 103.00 (102.70 to 103.70): VV011571.D (-113) (-)





#10

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

Concen: 5.466 ug/L

RT: 2.13 min Scan# 322

Delta R.T. 0.00 min

Lab File: VV011571.D

Acq: 18 Jun 2019 13:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD00557

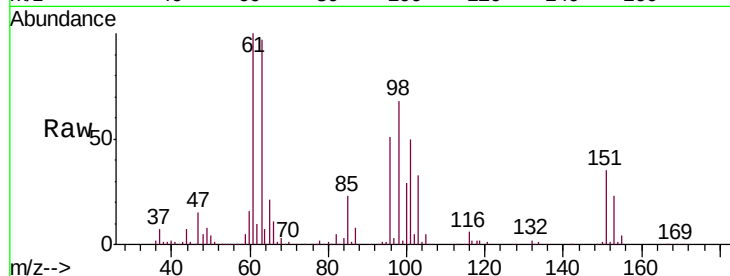
Tgt Ion:101 Resp: 56032

Ion Ratio Lower Upper

101 100

85 47.4 37.3 55.9

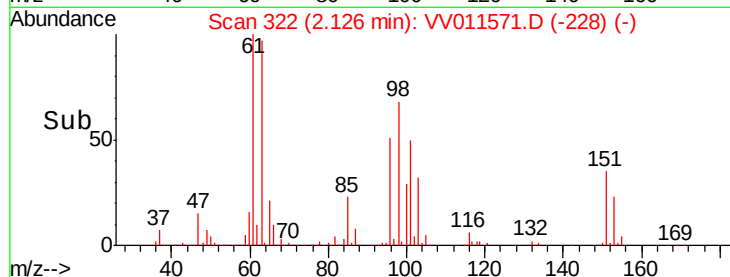
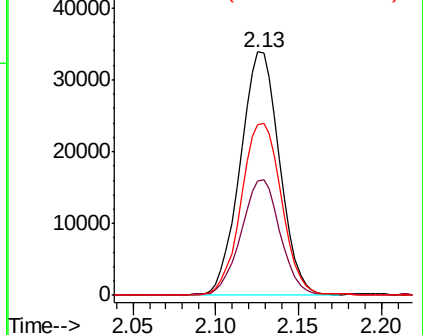
151 72.5 59.4 89.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.015 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV011571.D

Acq: 18 Jun 2019 13:18

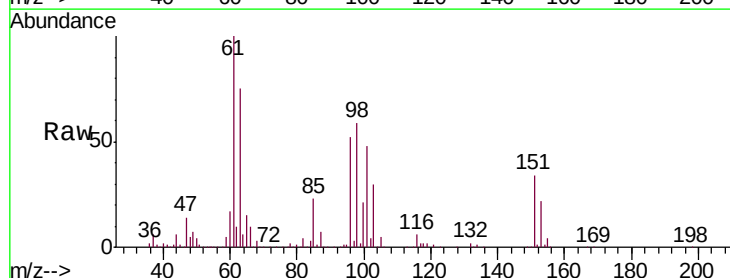
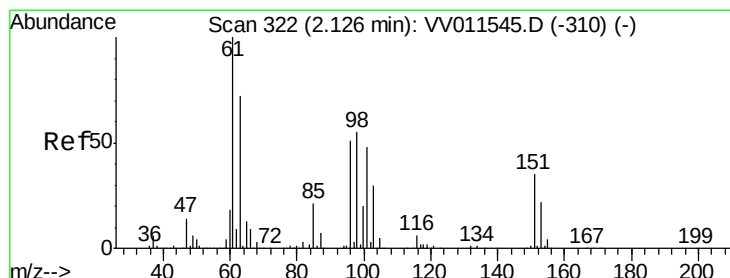
Tgt Ion: 96 Resp: 53246

Ion Ratio Lower Upper

96 100

61 190.9 135.9 252.5

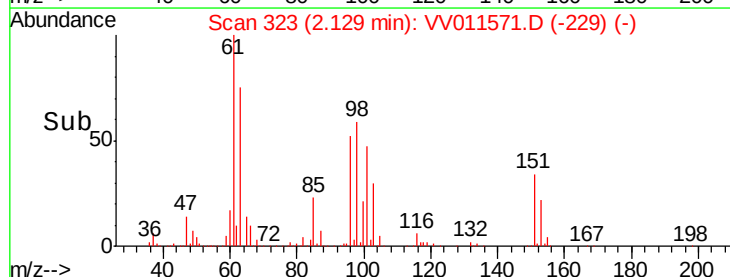
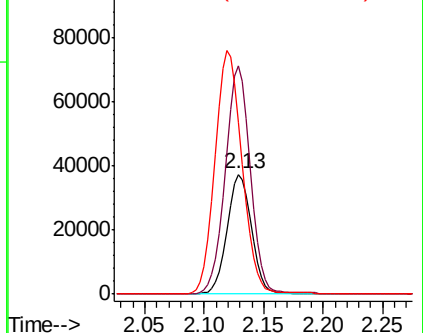
63 143.6 86.2 160.2

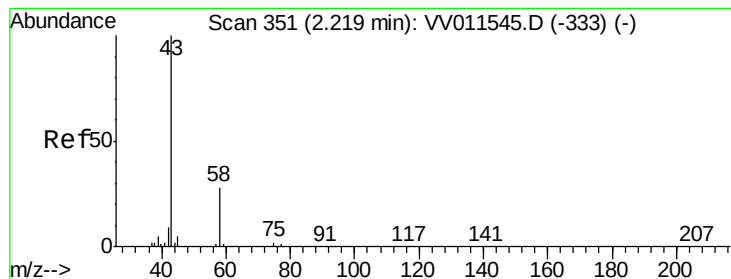


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 42.542 ug/L

RT: 2.22 min Scan# 350

Delta R.T. -0.00 min

Lab File: VV011571.D

Acq: 18 Jun 2019 13:18

Instrument :

MSVOA_V

ClientSampleId :

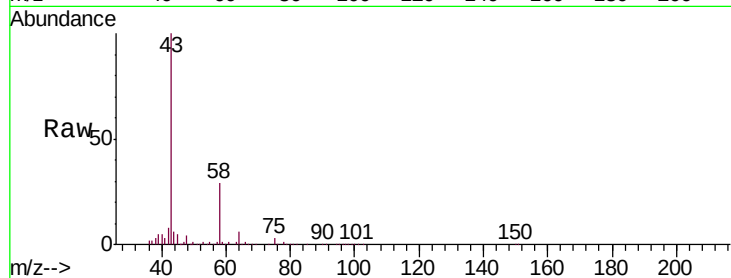
VSTD00557

Tgt Ion: 43 Resp: 103979

Ion Ratio Lower Upper

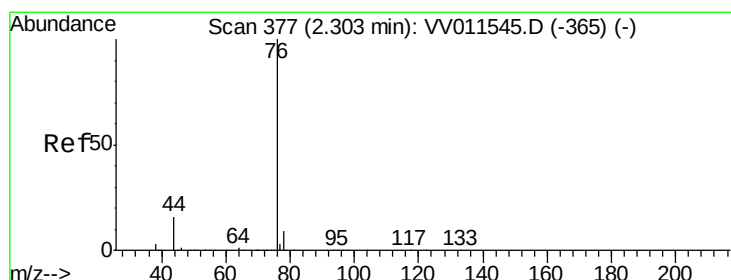
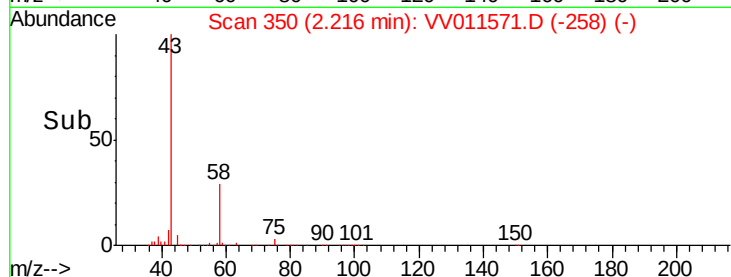
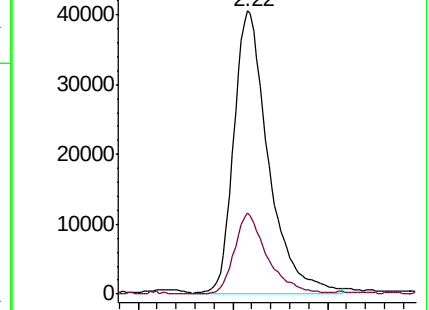
43 100

58 26.4 0.0 57.8



Abundance Ion 43.05 (42.75 to 43.75): VV011545.D (-333) (-)

Ion 58.05 (57.75 to 58.75): VV011545.D (-333) (-)



#14

Carbon disulfide

Concen: 4.514 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VV011571.D

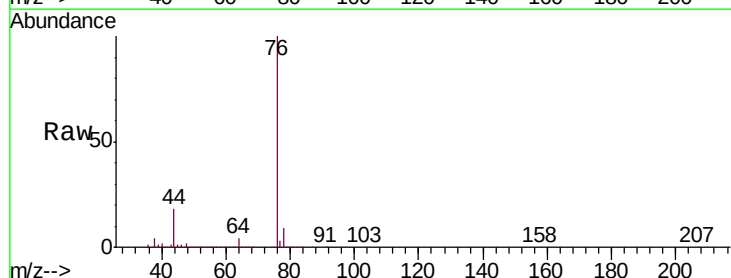
Acq: 18 Jun 2019 13:18

Tgt Ion: 76 Resp: 129550

Ion Ratio Lower Upper

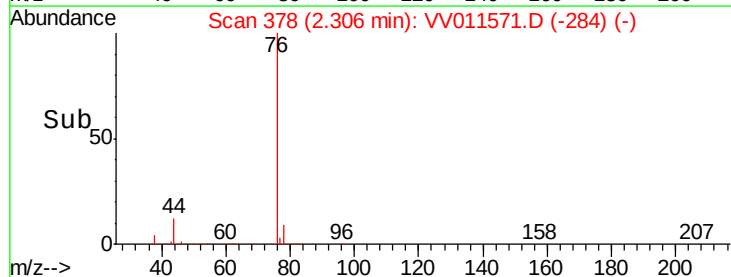
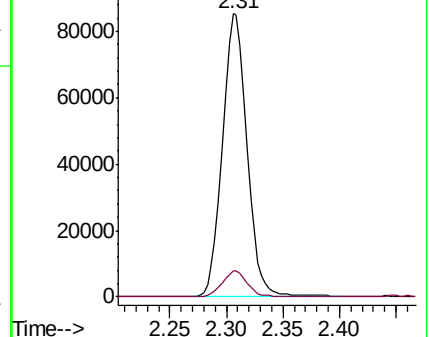
76 100

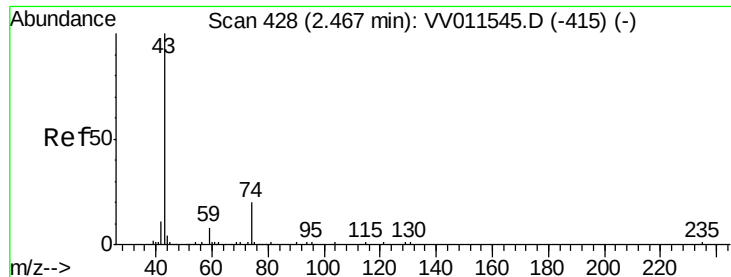
78 9.1 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VV011545.D (-365) (-)

Ion 78.00 (77.70 to 78.70): VV011545.D (-365) (-)

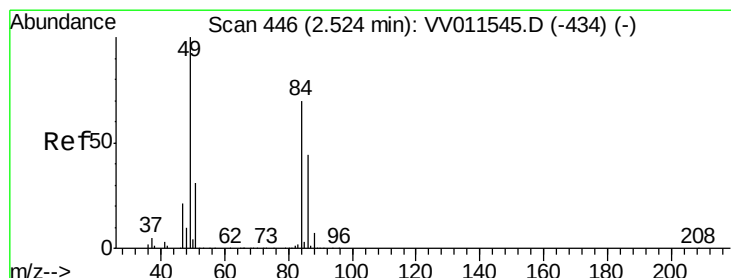
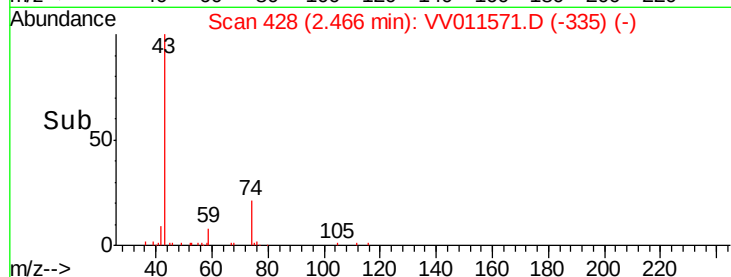
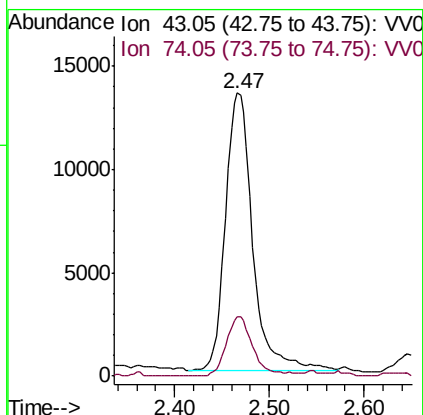
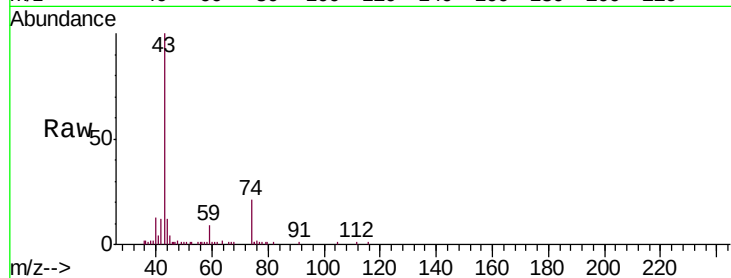




#15
Methyl Acetate
Concen: 4.128 ug/L
RT: 2.47 min Scan# 428
Delta R.T. -0.00 min
Lab File: VV011571.D
Acq: 18 Jun 2019 13:18

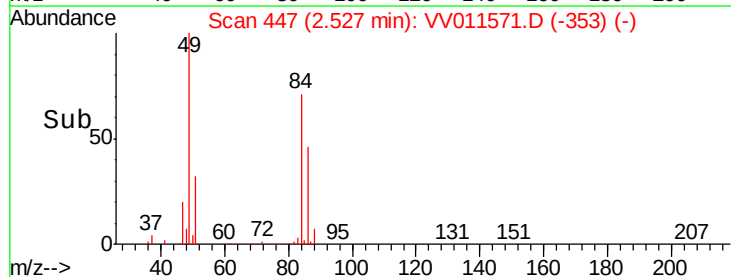
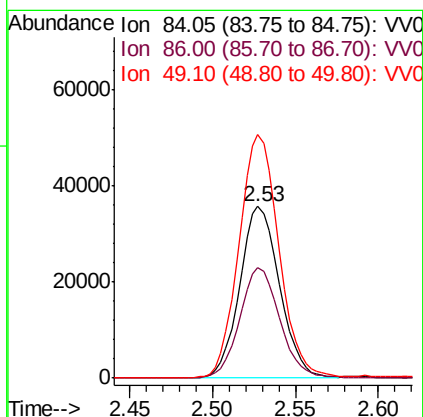
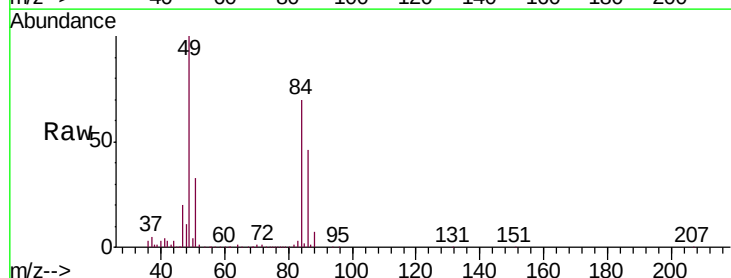
Instrument :
MSVOA_V
ClientSampleId :
VSTD00557

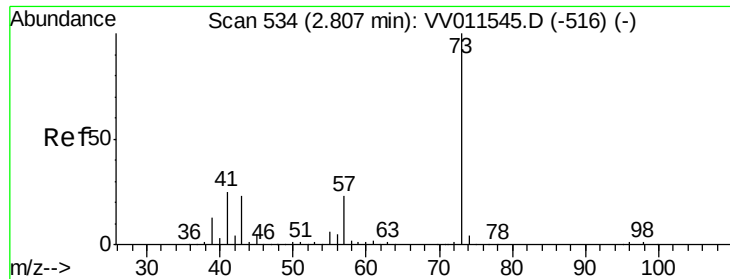
Tgt Ion: 43 Resp: 26748
Ion Ratio Lower Upper
43 100
74 20.8 16.5 24.7



#16
Methylene chloride
Concen: 4.954 ug/L
RT: 2.53 min Scan# 447
Delta R.T. 0.00 min
Lab File: VV011571.D
Acq: 18 Jun 2019 13:18

Tgt Ion: 84 Resp: 59783
Ion Ratio Lower Upper
84 100
86 64.7 42.5 78.9
49 142.0 97.7 181.5

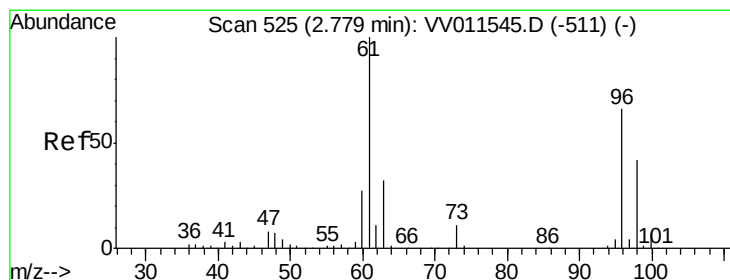
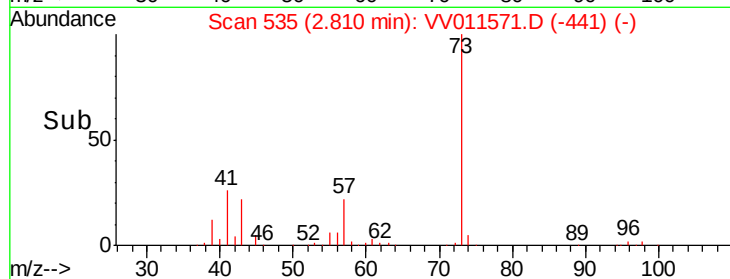
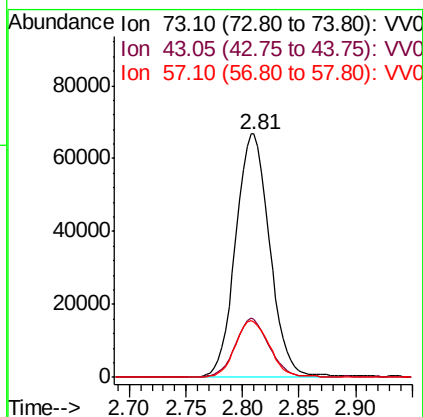
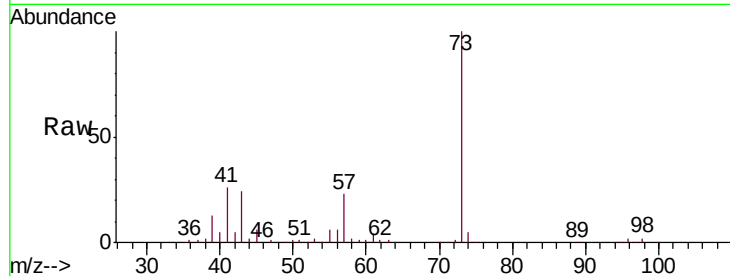




#17
Methyl tert-butyl Ether
Concen: 4.409 ug/L
RT: 2.81 min Scan# 535
Delta R.T. 0.00 min
Lab File: VV011571.D
Acq: 18 Jun 2019 13:18

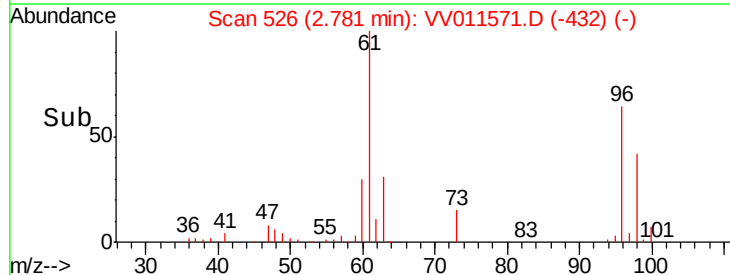
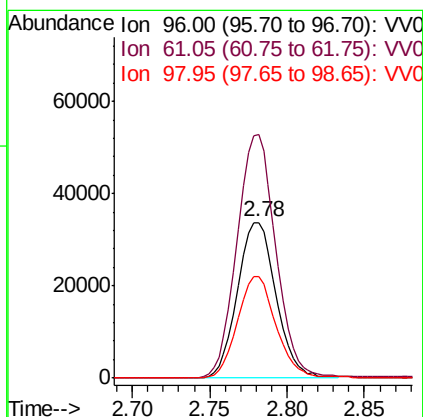
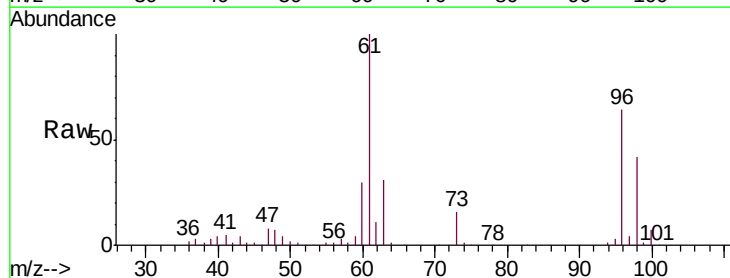
Instrument :
MSVOA_V
ClientSampleId :
VSTD00557

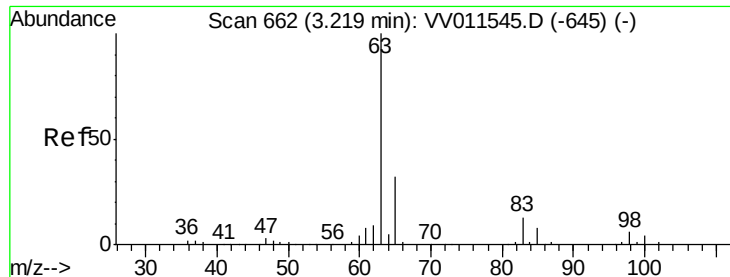
Tgt Ion: 73 Resp: 140345
Ion Ratio Lower Upper
73 100
43 23.3 18.2 27.4
57 23.5 17.4 26.2



#18
trans-1,2-Dichloroethene
Concen: 4.895 ug/L
RT: 2.78 min Scan# 526
Delta R.T. 0.00 min
Lab File: VV011571.D
Acq: 18 Jun 2019 13:18

Tgt Ion: 96 Resp: 58762
Ion Ratio Lower Upper
96 100
61 156.4 110.0 204.4
98 64.9 45.8 85.0

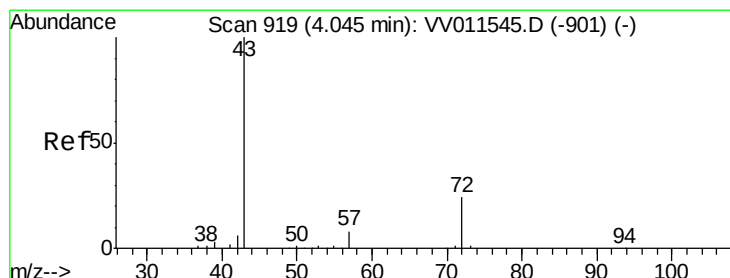
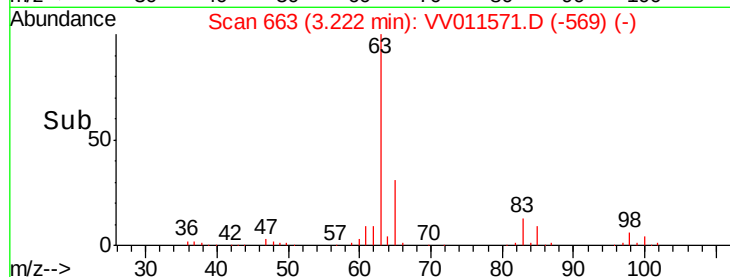
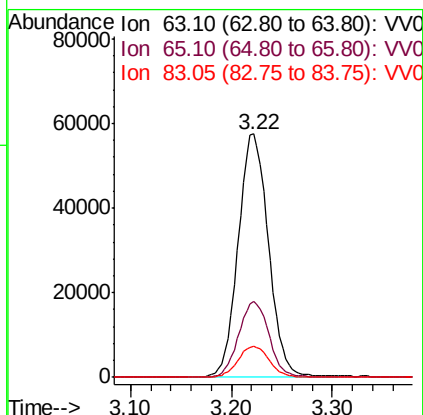
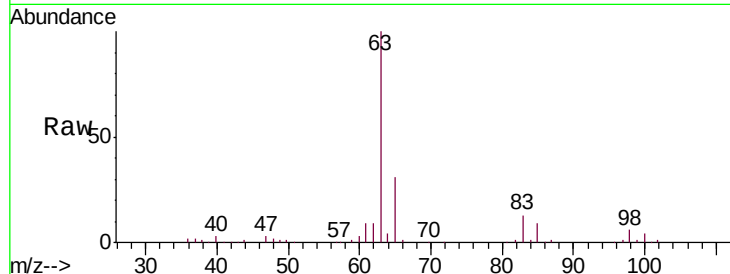




#19
 1,1-Dichloroethane
 Concen: 4.829 ug/L
 RT: 3.22 min Scan# 663
 Delta R.T. 0.00 min
 Lab File: VV011571.D
 Acq: 18 Jun 2019 13:18

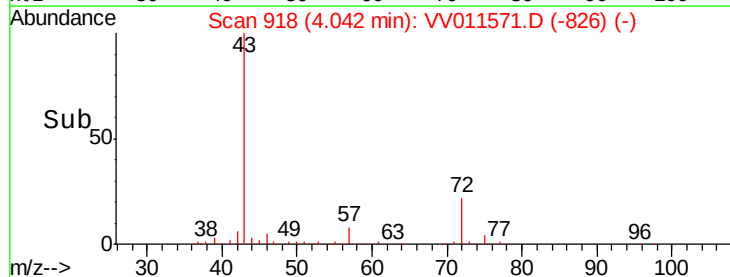
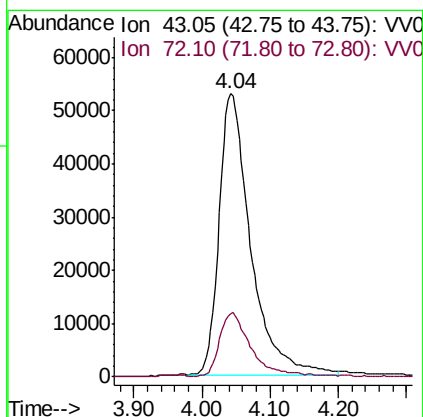
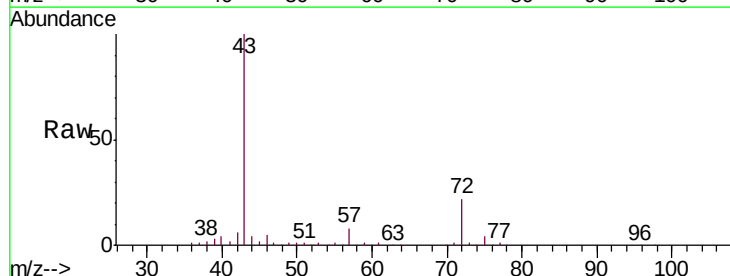
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00557

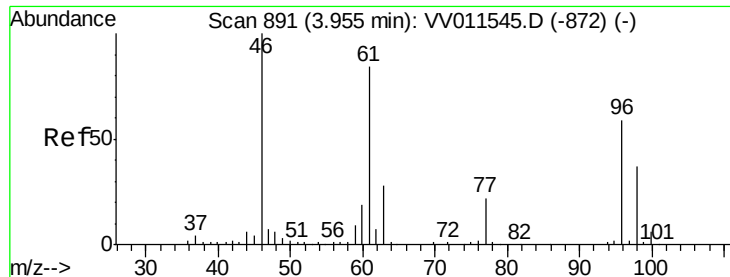
Tgt Ion: 63 Resp: 119922
 Ion Ratio Lower Upper
 63 100
 65 31.0 22.5 41.9
 83 12.6 10.1 18.9



#21
 2-Butanone
 Concen: 43.679 ug/L
 RT: 4.04 min Scan# 918
 Delta R.T. -0.00 min
 Lab File: VV011571.D
 Acq: 18 Jun 2019 13:18

Tgt Ion: 43 Resp: 168904
 Ion Ratio Lower Upper
 43 100
 72 22.2 11.8 35.4



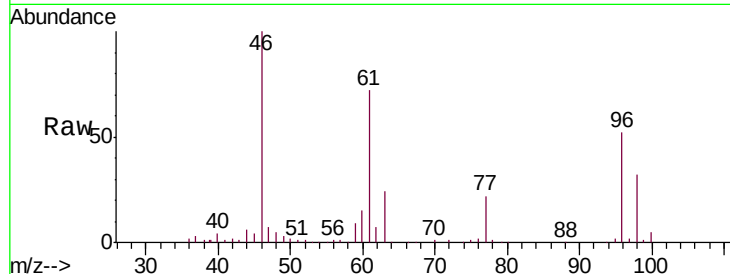


#22

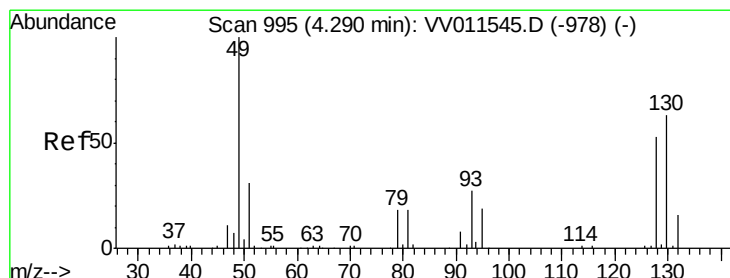
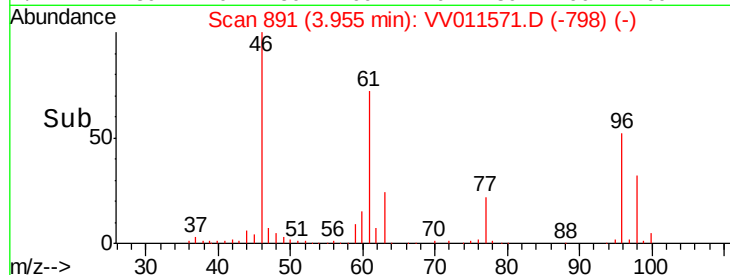
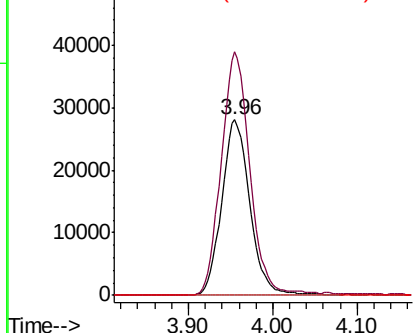
cis-1,2-Dichloroethene
Concen: 4.796 ug/L
RT: 3.96 min Scan# 891
Delta R.T. -0.00 min
Lab File: VV011571.D
Acq: 18 Jun 2019 13:18

Instrument :
MSVOA_V
ClientSampled :
VSTD00557

Tgt Ion: 96 Resp: 65225
Ion Ratio Lower Upper
96 100
61 138.8 102.2 189.8
68 0.0 0.0 0.0



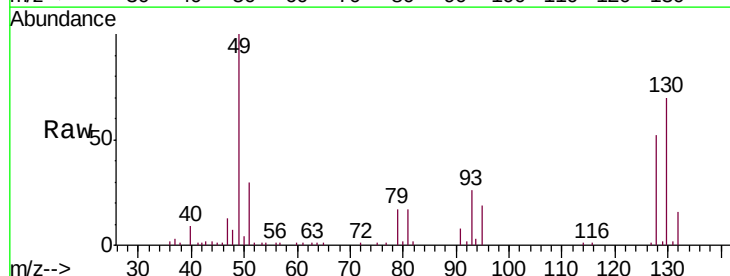
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



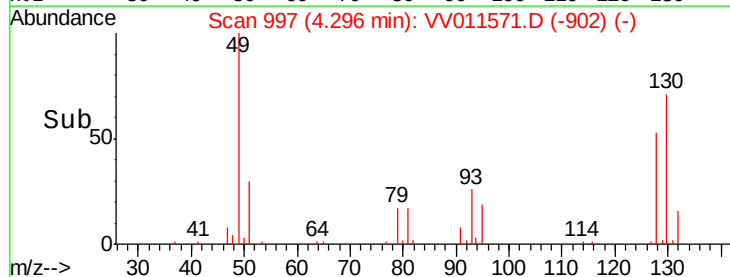
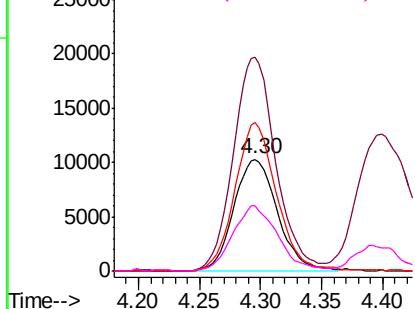
#23

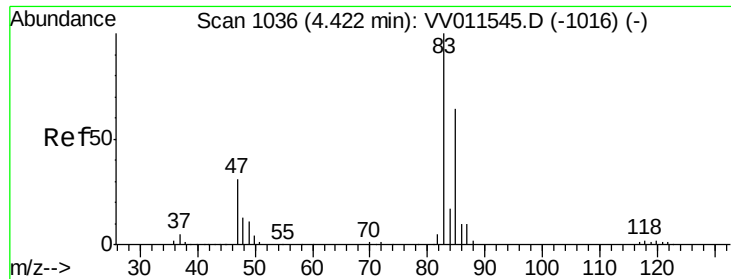
Bromochloromethane
Concen: 4.779 ug/L
RT: 4.30 min Scan# 997
Delta R.T. 0.01 min
Lab File: VV011571.D
Acq: 18 Jun 2019 13:18

Tgt Ion: 128 Resp: 25545
Ion Ratio Lower Upper
128 100
49 190.8 136.2 253.0
130 133.1 91.3 169.5
51 58.1 47.4 71.0



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

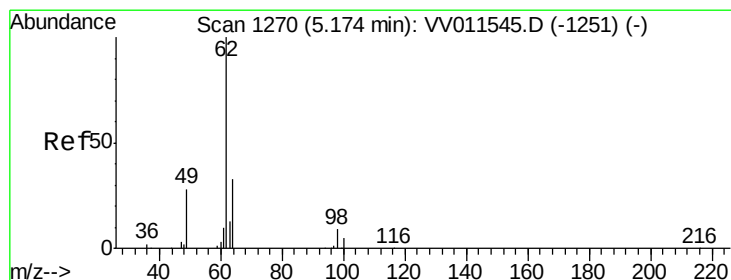
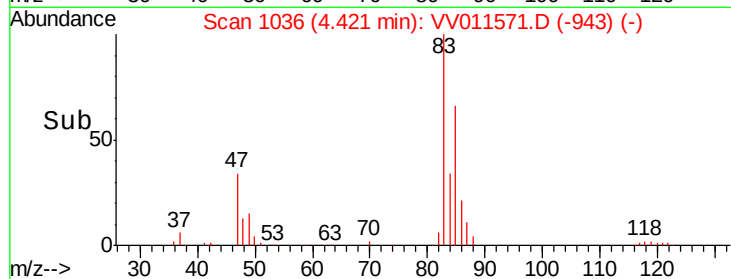
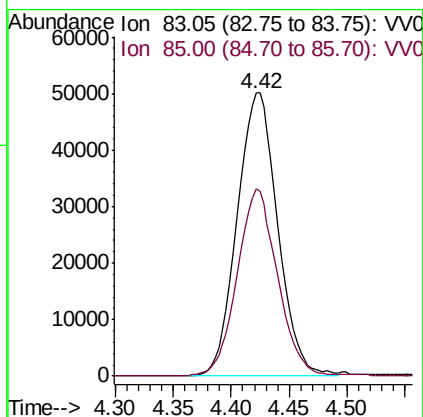
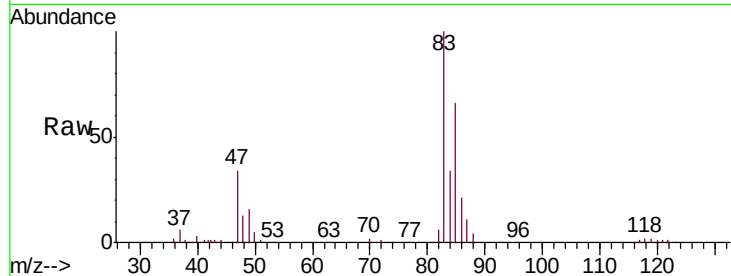




#25
Chloroform
Concen: 4.895 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV011571.D
Acq: 18 Jun 2019 13:18

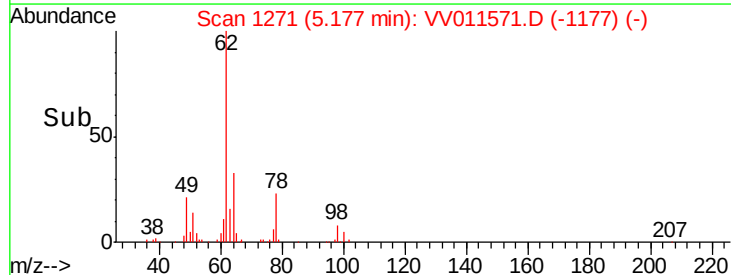
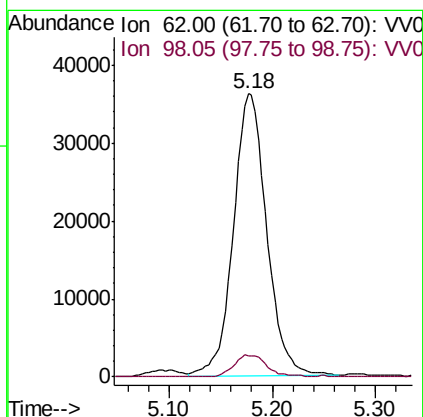
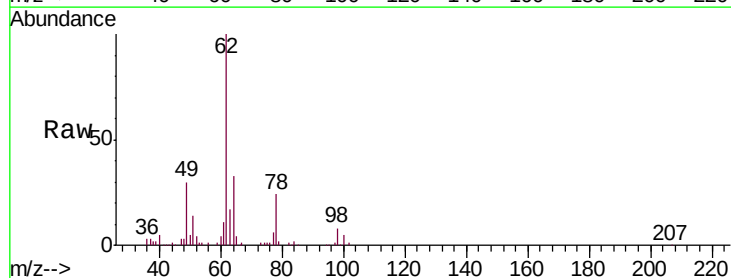
Instrument :
MSVOA_V
ClientSampleId :
VSTD00557

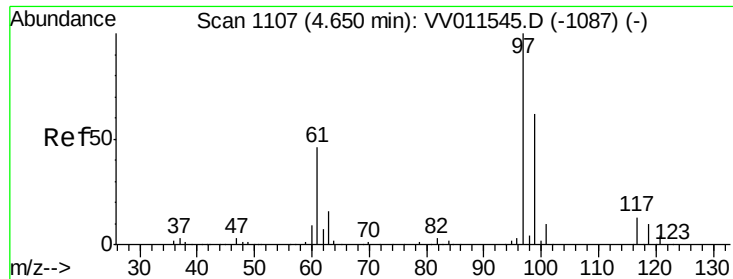
Tgt Ion: 83 Resp: 121980
Ion Ratio Lower Upper
83 100
85 66.0 44.6 82.8



#27
1,2-Dichloroethane
Concen: 4.615 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VV011571.D
Acq: 18 Jun 2019 13:18

Tgt Ion: 62 Resp: 81065
Ion Ratio Lower Upper
62 100
98 7.6 6.5 9.7

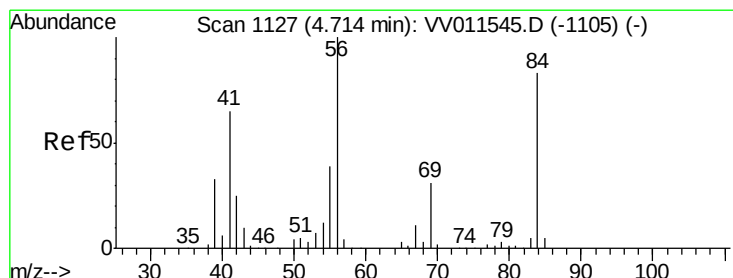
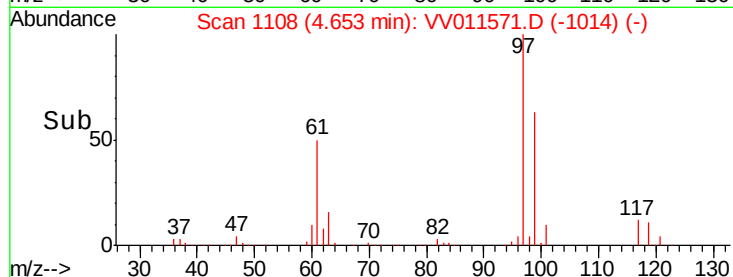
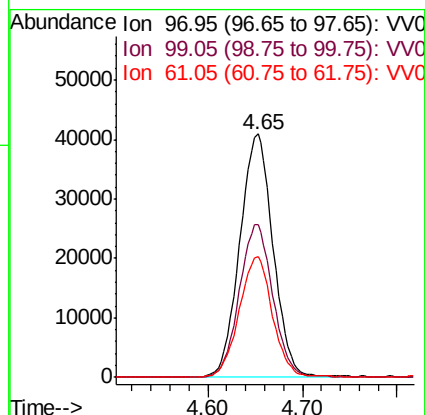
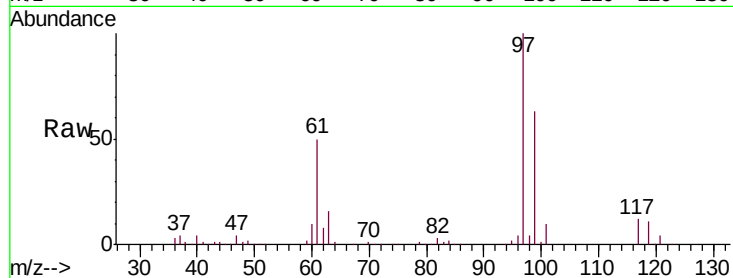




#29
 1,1,1-Trichloroethane
 Concen: 4.996 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. 0.00 min
 Lab File: VV011571.D
 Acq: 18 Jun 2019 13:18

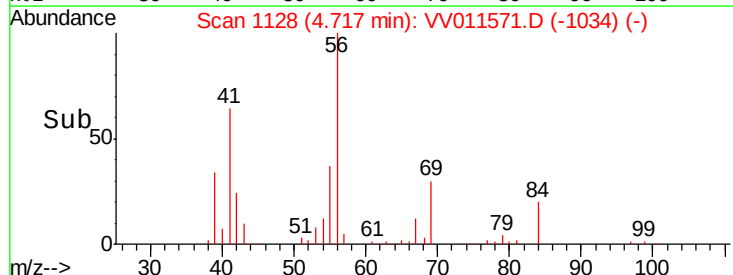
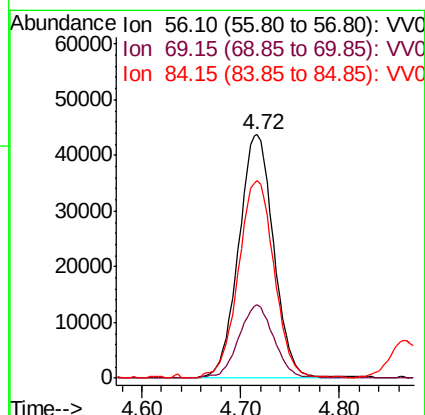
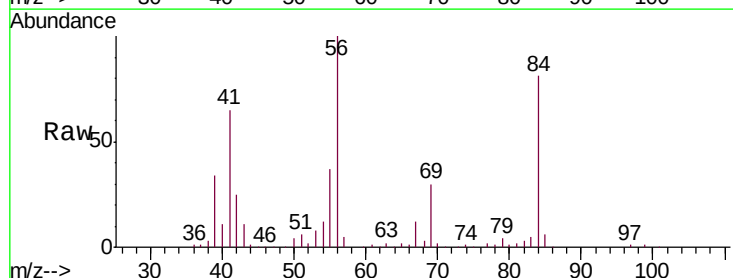
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00557

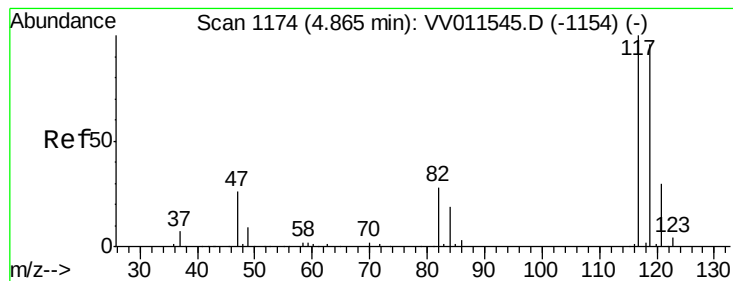
Tgt Ion: 97 Resp: 100178
 Ion Ratio Lower Upper
 97 100
 99 63.1 51.6 77.4
 61 49.7 40.4 60.6



#30
 Cyclohexane
 Concen: 5.182 ug/L
 RT: 4.72 min Scan# 1128
 Delta R.T. 0.00 min
 Lab File: VV011571.D
 Acq: 18 Jun 2019 13:18

Tgt Ion: 56 Resp: 107344
 Ion Ratio Lower Upper
 56 100
 69 30.3 24.1 36.1
 84 83.1 66.8 100.2





#31

Carbon tetrachloride

Concen: 5.176 ug/L

RT: 4.87 min Scan# 1175

Delta R.T. 0.00 min

Lab File: VV011571.D

Acq: 18 Jun 2019 13:18

Instrument :

MSVOA_V

ClientSampleId :

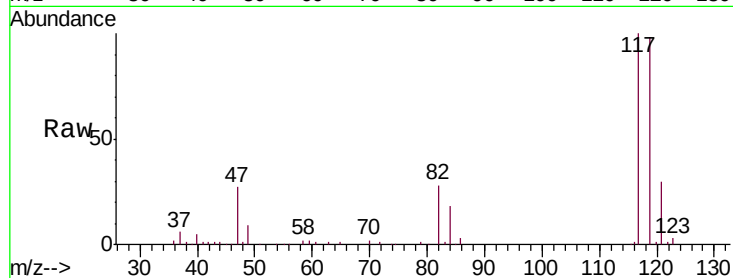
VSTD00557

Tgt Ion:117 Resp: 83975

Ion Ratio Lower Upper

117 100

119 96.2 77.4 116.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.87

40000

30000

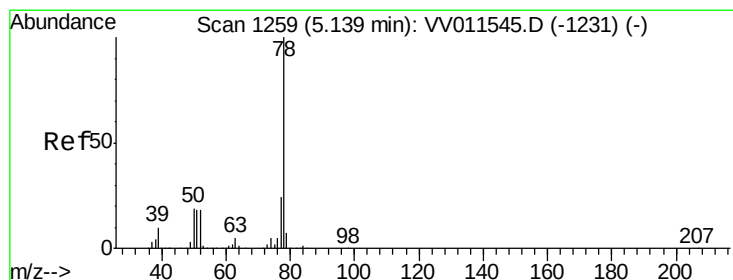
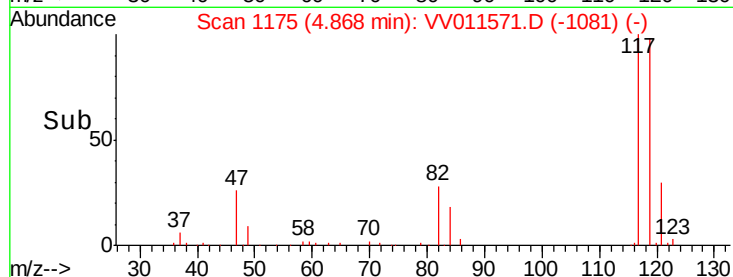
20000

10000

0

Time-->

4.80 4.90 5.00



#33

Benzene

Concen: 4.919 ug/L

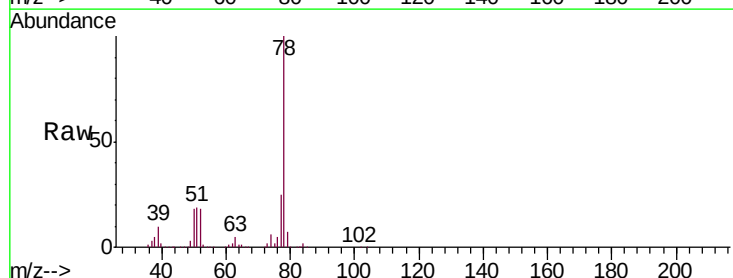
RT: 5.14 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VV011571.D

Acq: 18 Jun 2019 13:18

Tgt Ion: 78 Resp: 258916



Abundance Ion 78.10 (77.80 to 78.80): VV0

5.14

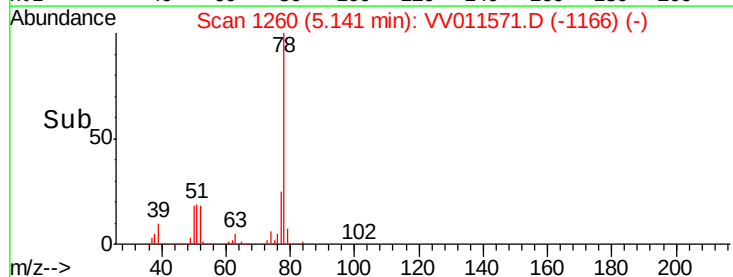
100000

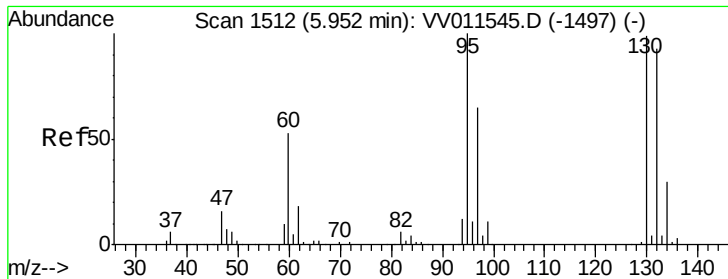
50000

0

Time-->

5.00 5.10 5.20





#34

Trichloroethene

Concen: 4.959 ug/L

RT: 5.95 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV011571.D

Acq: 18 Jun 2019 13:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD00557

Tgt Ion: 95 Resp: 66568

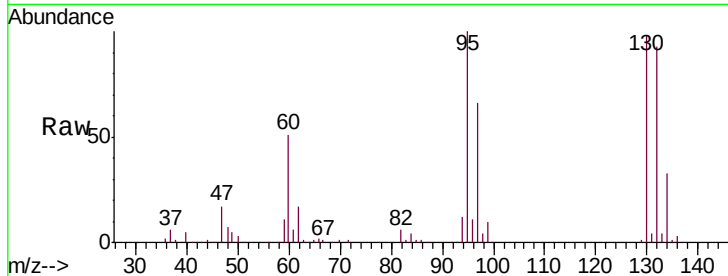
Ion Ratio Lower Upper

95 100

97 65.6 44.4 82.4

132 93.2 63.5 117.9

130 97.9 68.5 127.3



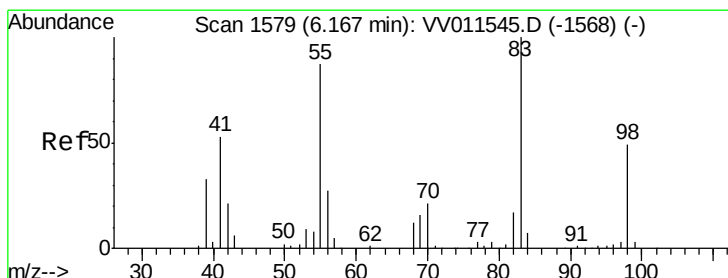
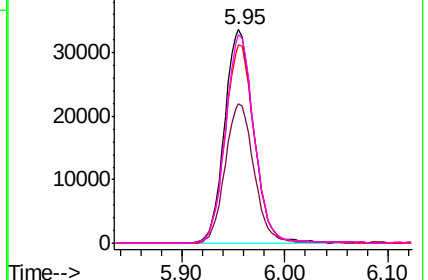
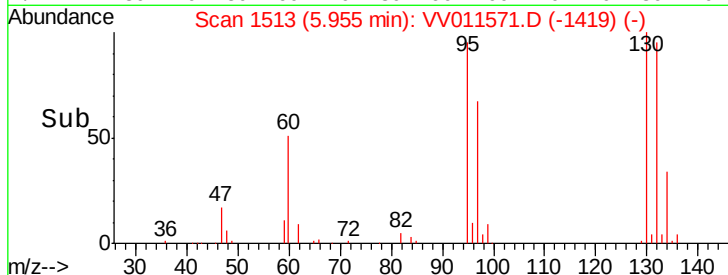
Abundance

Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 5.586 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. 0.00 min

Lab File: VV011571.D

Acq: 18 Jun 2019 13:18

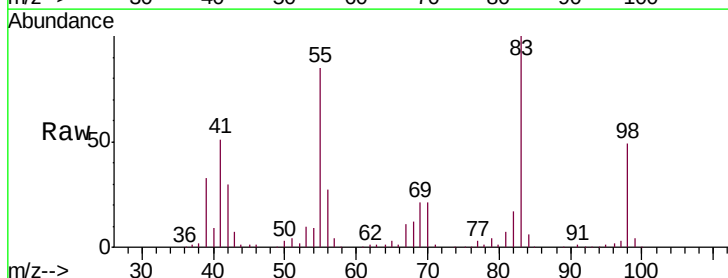
Tgt Ion: 83 Resp: 106898

Ion Ratio Lower Upper

83 100

55 84.7 67.9 101.9

98 49.9 39.6 59.4

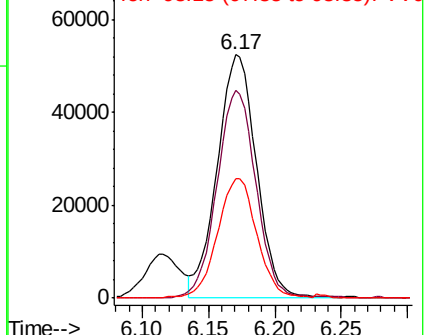
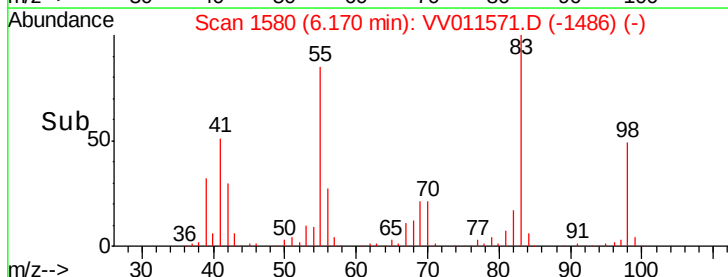


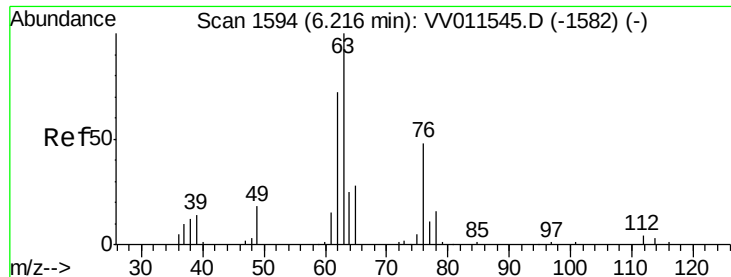
Abundance

Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

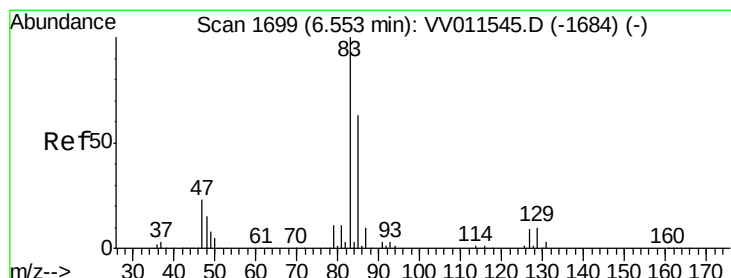
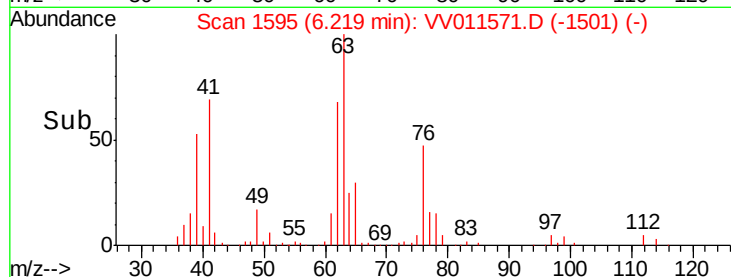
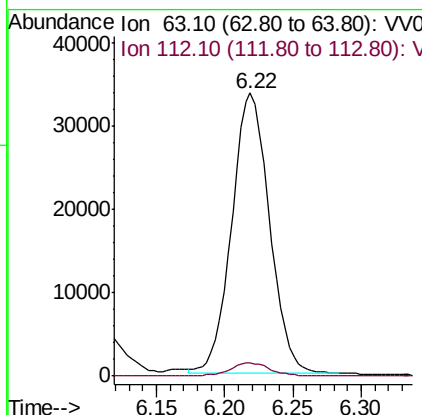
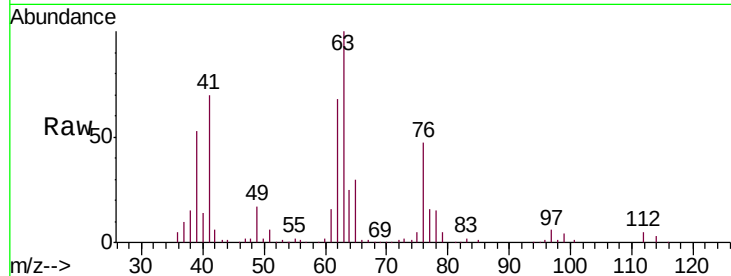




#37
 1,2-Dichloropropane
 Concen: 4.606 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV011571.D
 Acq: 18 Jun 2019 13:18

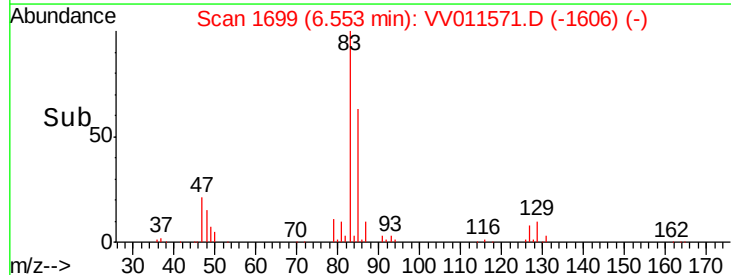
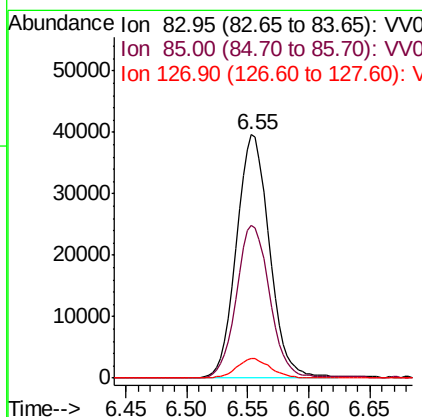
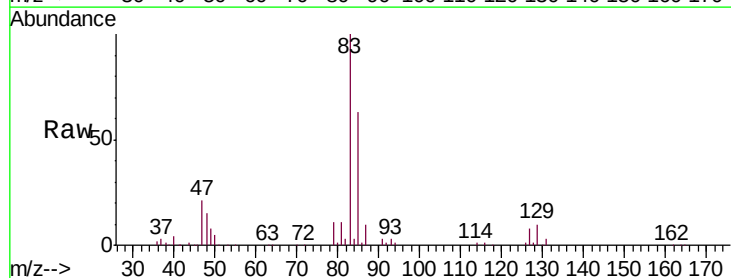
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00557

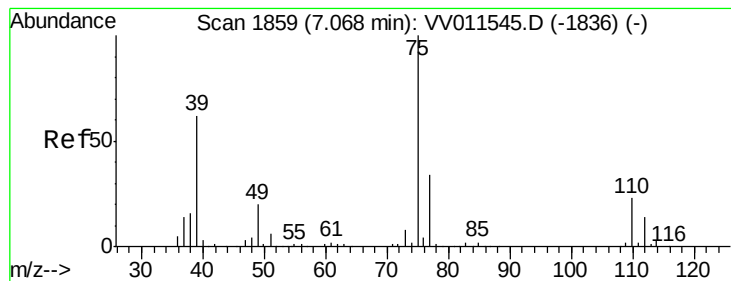
Tgt Ion: 63 Resp: 64529
 Ion Ratio Lower Upper
 63 100
 112 5.0 3.7 5.5



#38
 Bromodichloromethane
 Concen: 4.663 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VV011571.D
 Acq: 18 Jun 2019 13:18

Tgt Ion: 83 Resp: 74221
 Ion Ratio Lower Upper
 83 100
 85 62.8 44.7 83.1
 127 8.2 6.2 9.4





#39

cis-1,3-Dichloropropene

Concen: 4.965 ug/L

RT: 7.07 min Scan# 1860

Delta R.T. 0.00 min

Lab File: VV011571.D

Acq: 18 Jun 2019 13:18

Instrument :

MSVOA_V

ClientSampleId :

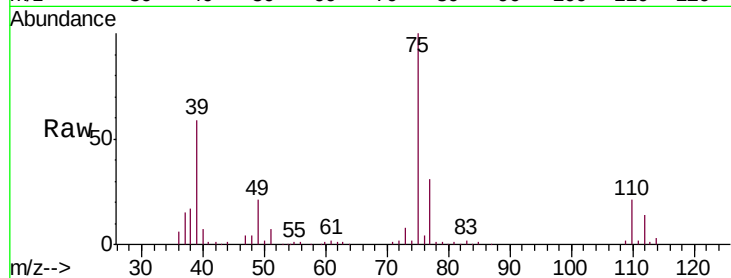
VSTD00557

Tgt Ion: 75 Resp: 87561

Ion Ratio Lower Upper

75 100

77 31.0 20.6 38.4



Abundance Ion 75.05 (74.75 to 75.75): VV011545.D (-1836) (-)

Ion 77.05 (76.75 to 77.75): VV011545.D (-1836) (-)

7.07

50000

40000

30000

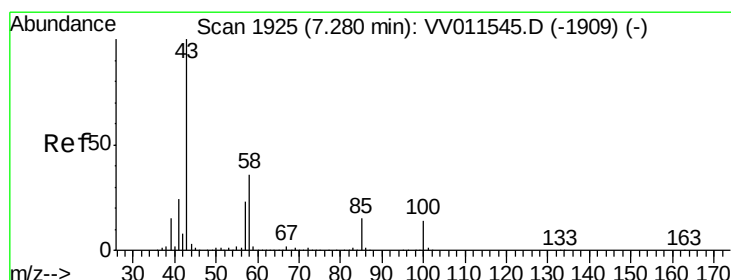
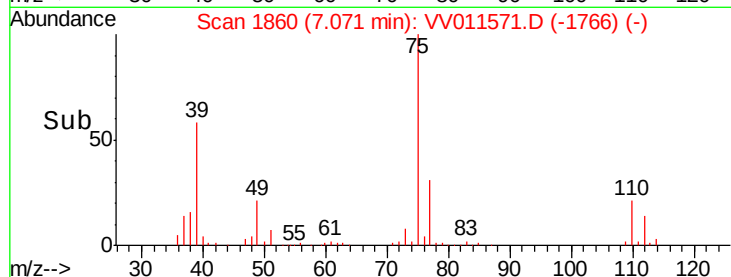
20000

10000

0

6.90 7.00 7.10 7.20

Time-->



#40

4-Methyl-2-pentanone

Concen: 41.483 ug/L

RT: 7.28 min Scan# 1924

Delta R.T. -0.00 min

Lab File: VV011571.D

Acq: 18 Jun 2019 13:18

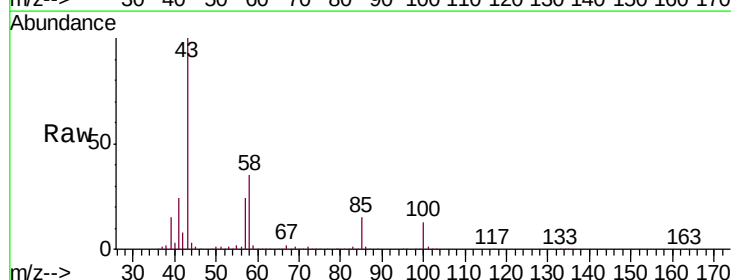
Tgt Ion: 43 Resp: 414325

Ion Ratio Lower Upper

43 100

58 35.5 28.7 43.1

100 13.1 10.6 15.8



Abundance Ion 43.05 (42.75 to 43.75): VV011545.D (-1909) (-)

Ion 58.05 (57.75 to 58.75): VV011545.D (-1909) (-)

Ion 100.15 (99.85 to 100.85): VV011545.D (-1909) (-)

7.28

300000

250000

200000

150000

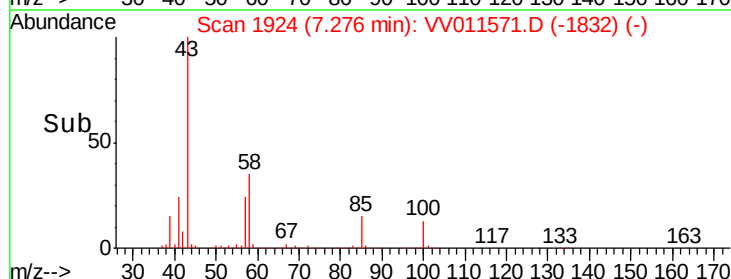
100000

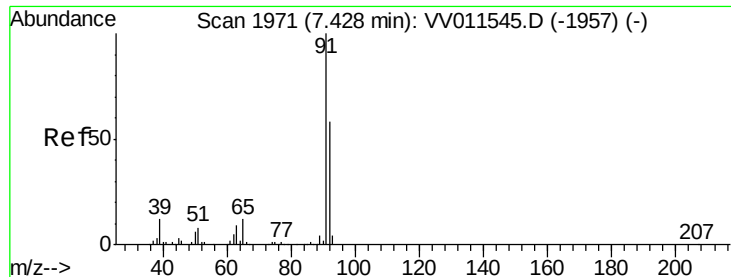
50000

0

7.20 7.30 7.40

Time-->





#42

Toluene

Concen: 5.055 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV011571.D

Acq: 18 Jun 2019 13:18

Instrument :

MSVOA_V

ClientSampleId :

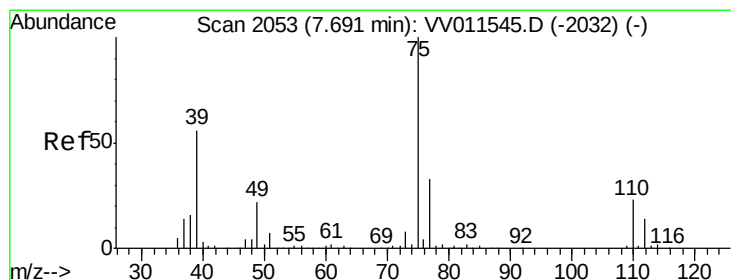
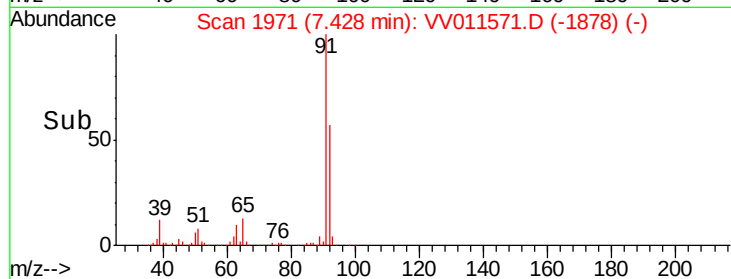
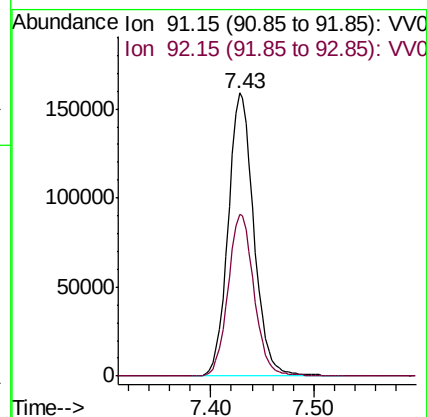
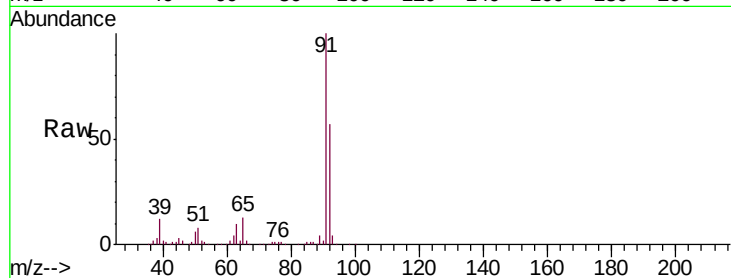
VSTD00557

Tgt Ion: 91 Resp: 275734

Ion Ratio Lower Upper

91 100

92 57.3 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 4.881 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV011571.D

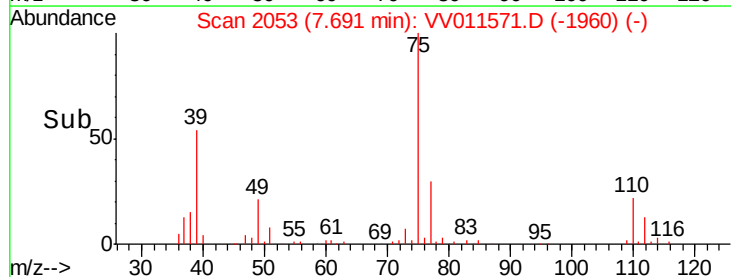
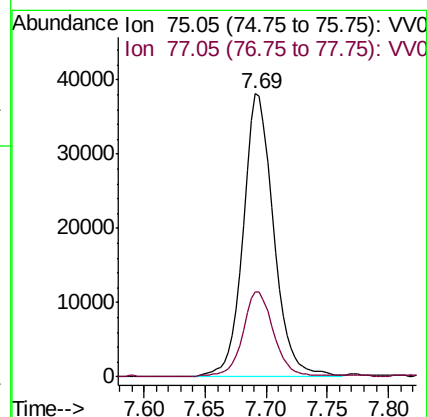
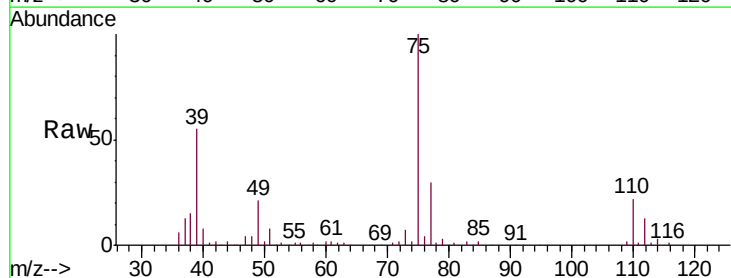
Acq: 18 Jun 2019 13:18

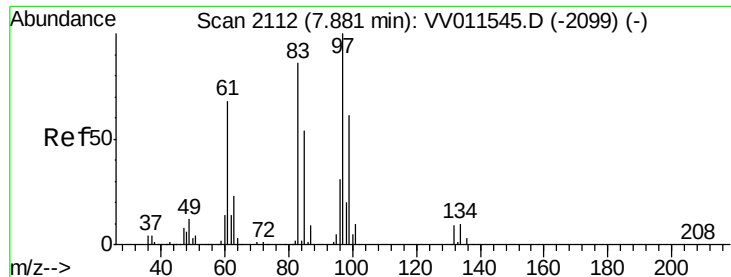
Tgt Ion: 75 Resp: 65847

Ion Ratio Lower Upper

75 100

77 30.1 22.8 42.4

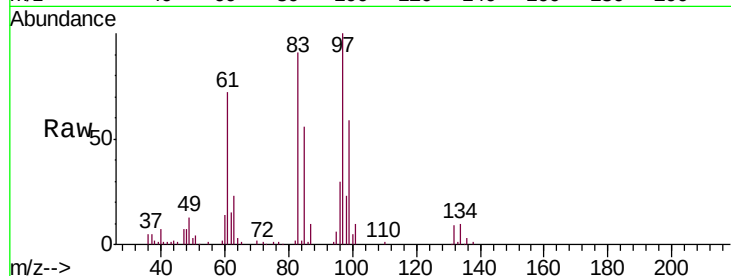




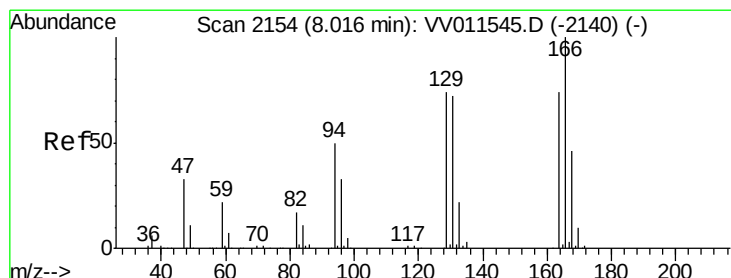
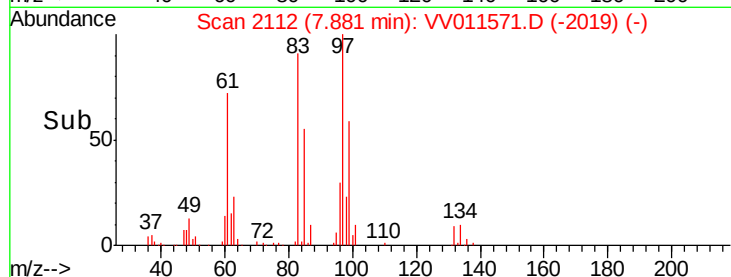
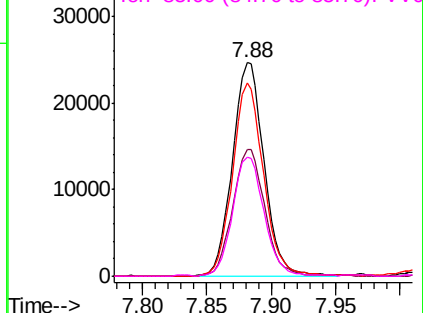
#45
 1,1,2-Trichloroethane
 Concen: 4.495 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VV011571.D
 Acq: 18 Jun 2019 13:18

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00557

Tgt Ion:	97	Resp:	42038
Ion	Ratio	Lower	Upper
97	100		
99	59.2	45.4	84.4
83	90.7	60.6	112.6
85	55.9	38.6	71.6

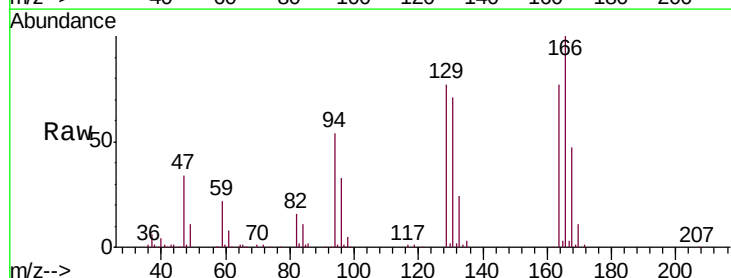


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

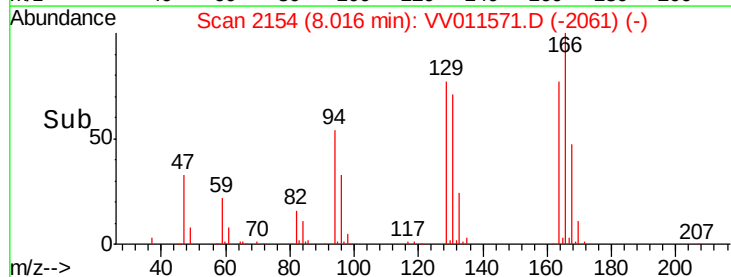
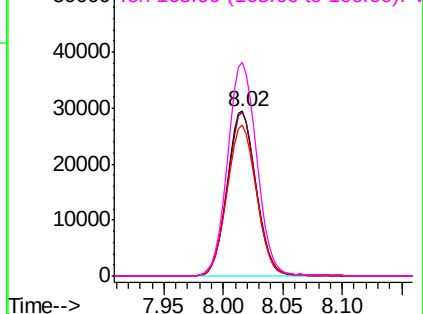


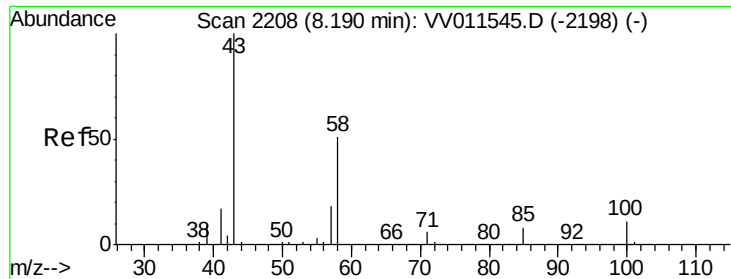
#47
 Tetrachloroethene
 Concen: 5.186 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV011571.D
 Acq: 18 Jun 2019 13:18

Tgt Ion:	164	Resp:	49641
Ion	Ratio	Lower	Upper
164	100		
129	99.9	68.8	127.8
131	91.6	63.2	117.4
166	129.8	87.0	161.6



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

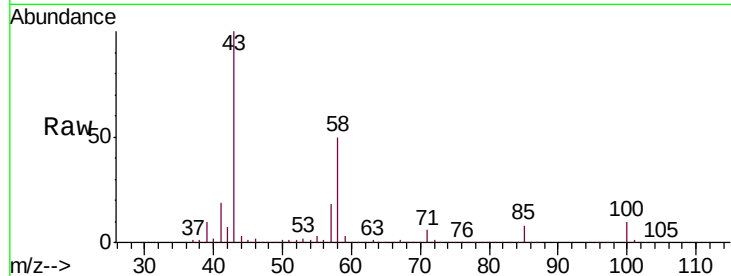




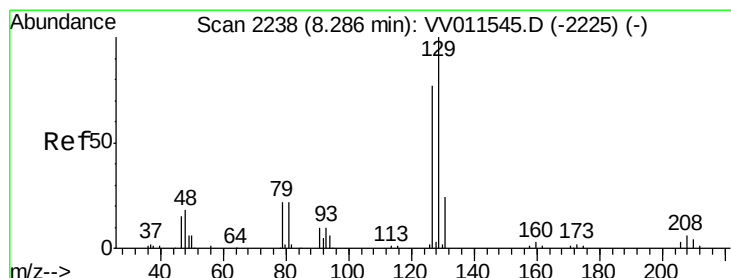
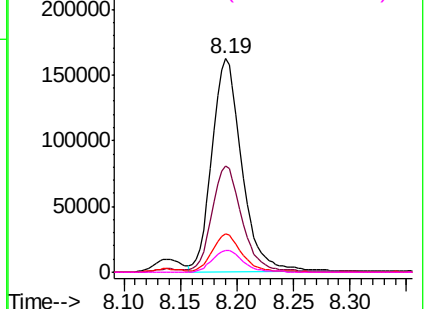
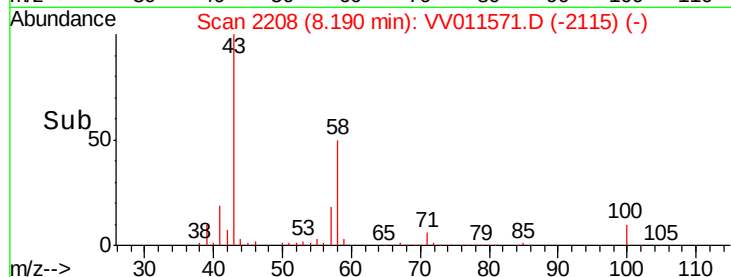
#48
2-Hexanone
Concen: 42.095 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VV011571.D
Acq: 18 Jun 2019 13:18

Instrument :
MSVOA_V
ClientSampleId :
VSTD00557

Tgt Ion:	43	Resp:	295562
Ion	Ratio	Lower	Upper
43	100		
58	49.8	40.6	60.8
57	17.5	14.2	21.4
100	10.5	8.6	12.8

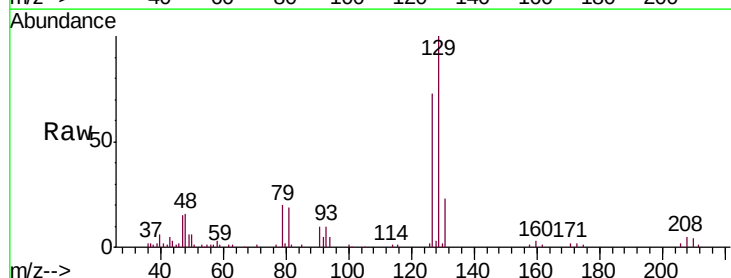


Abundance Ion 43.05 (42.75 to 43.75): VV011571.D (-2115) (-)
Ion 58.05 (57.75 to 58.75): VV011571.D (-2115) (-)
Ion 57.20 (56.90 to 57.90): VV011571.D (-2115) (-)
Ion 100.15 (99.85 to 100.85): VV011571.D (-2115) (-)

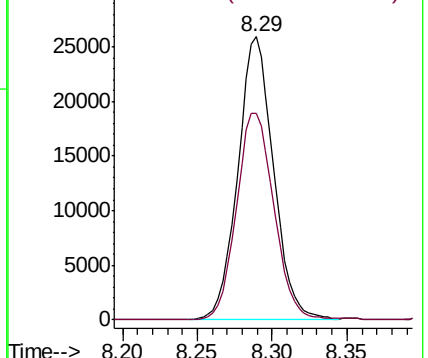
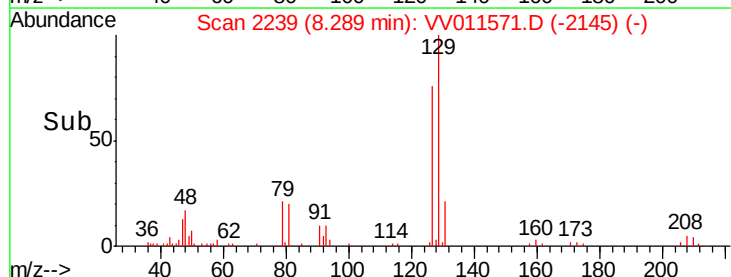


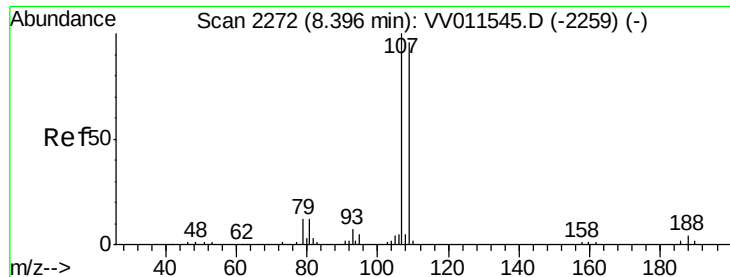
#49
Dibromochloromethane
Concen: 4.579 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV011571.D
Acq: 18 Jun 2019 13:18

Tgt Ion:	129	Resp:	43029
Ion	Ratio	Lower	Upper
129	100		
127	72.9	52.6	97.6



Abundance Ion 128.95 (128.65 to 129.65): VV011571.D (-2145) (-)
Ion 126.90 (126.60 to 127.60): VV011571.D (-2145) (-)

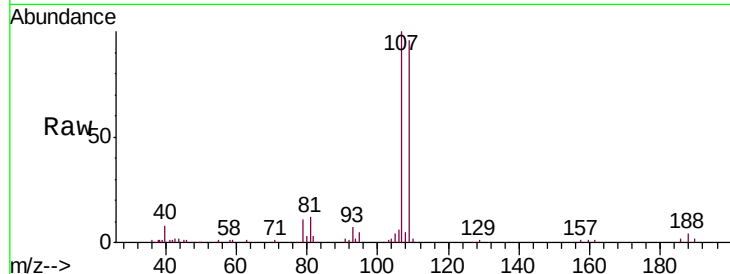




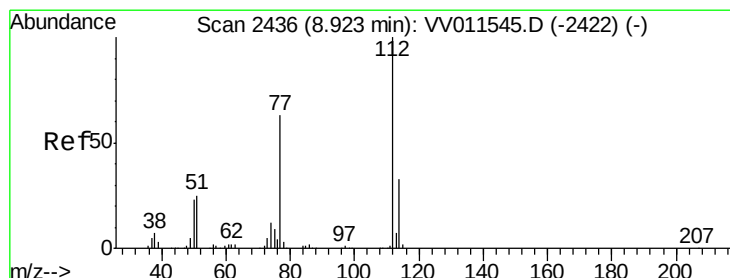
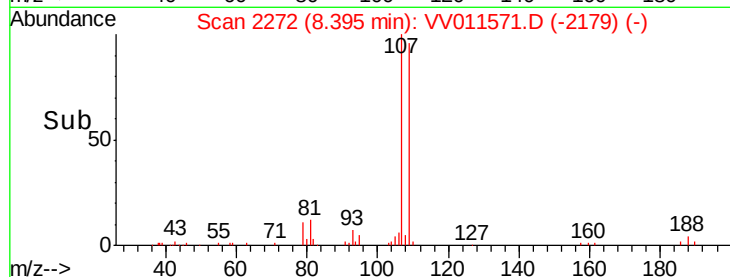
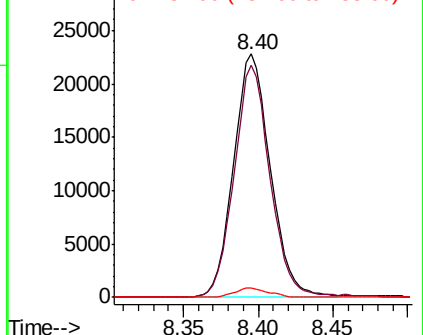
#50
1,2-Dibromoethane
Concen: 4.614 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VV011571.D
Acq: 18 Jun 2019 13:18

Instrument :
MSVOA_V
ClientSampleId :
VSTD00557

Tgt Ion:107 Resp: 39029
Ion Ratio Lower Upper
107 100
109 95.5 65.7 121.9
188 3.9 2.9 4.3

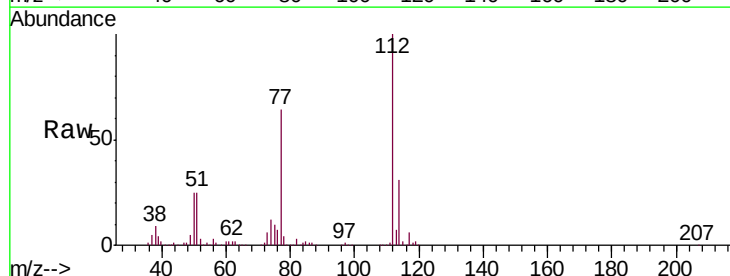


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

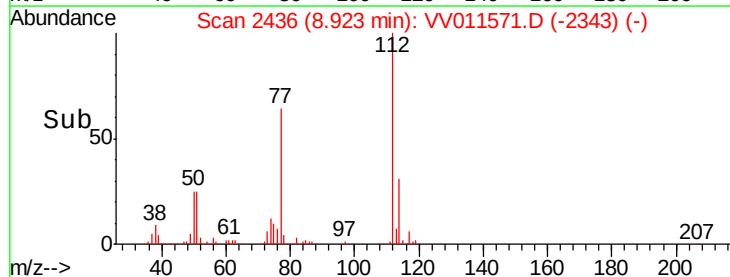
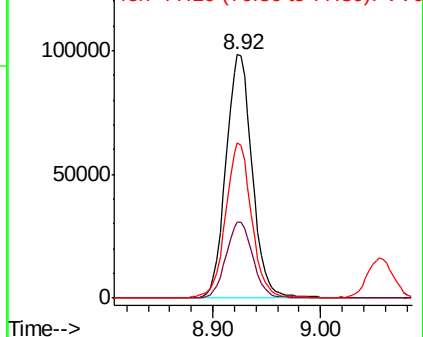


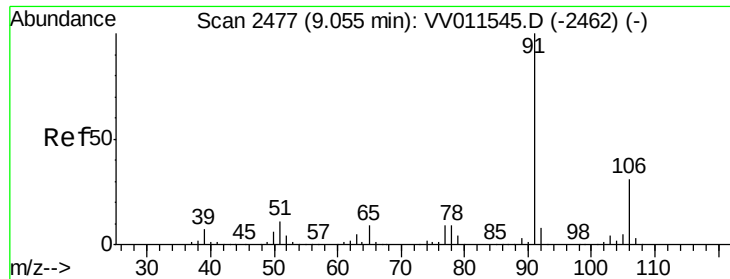
#51
Chlorobenzene
Concen: 4.972 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. -0.00 min
Lab File: VV011571.D
Acq: 18 Jun 2019 13:18

Tgt Ion:112 Resp: 166554
Ion Ratio Lower Upper
112 100
114 31.4 21.9 40.7
77 63.8 49.3 73.9



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





#52

Ethylbenzene

Concen: 5.204 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV011571.D

Acq: 18 Jun 2019 13:18

Instrument :

MSVOA_V

ClientSampleId :

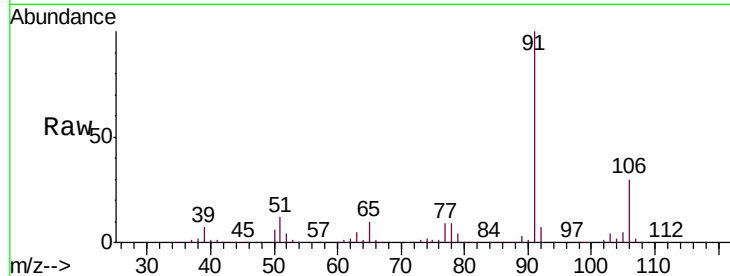
VSTD00557

Tgt Ion: 91 Resp: 298143

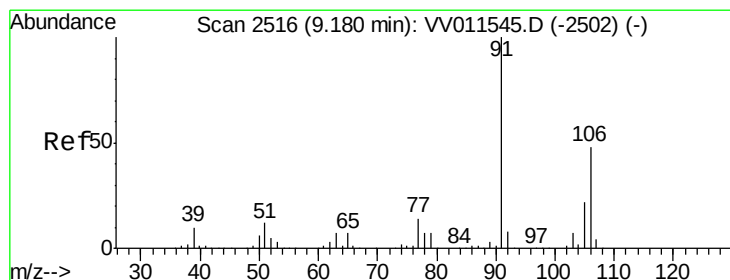
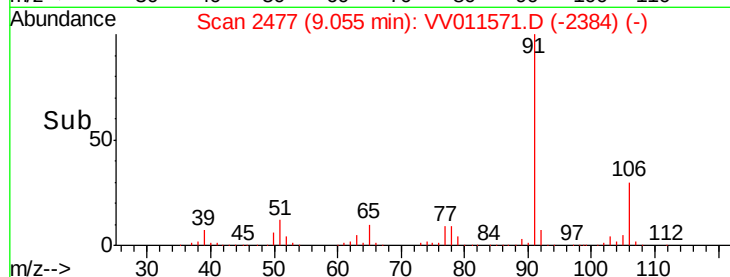
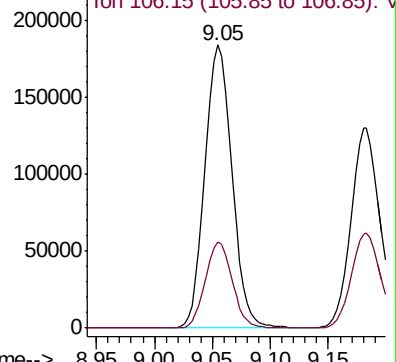
Ion Ratio Lower Upper

91 100

106 30.3 21.2 39.4



Abundance Ion 91.15 (90.85 to 91.85): VV011571.D (-2384) (-)



#53

m,p-xylene

Concen: 5.272 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV011571.D

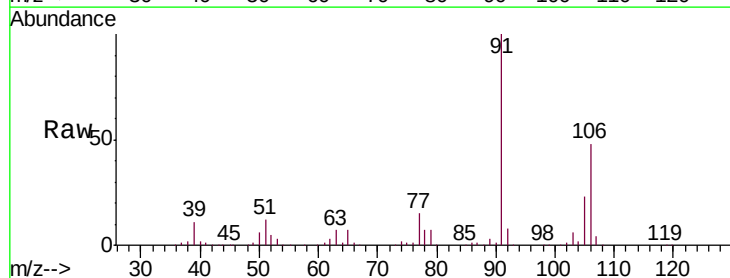
Acq: 18 Jun 2019 13:18

Tgt Ion: 106 Resp: 110538

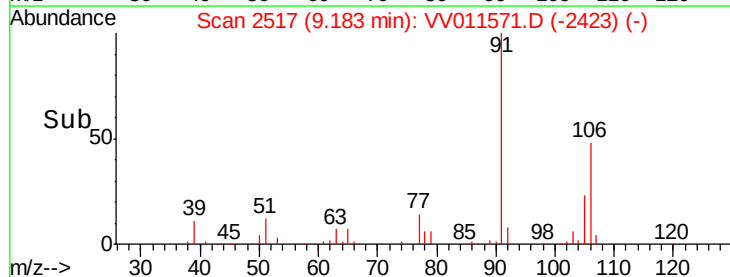
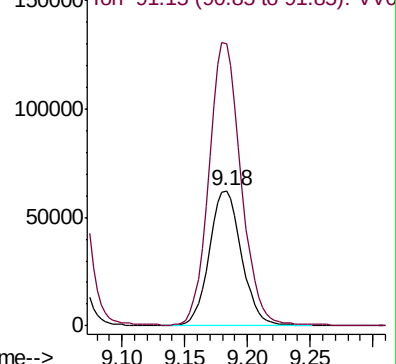
Ion Ratio Lower Upper

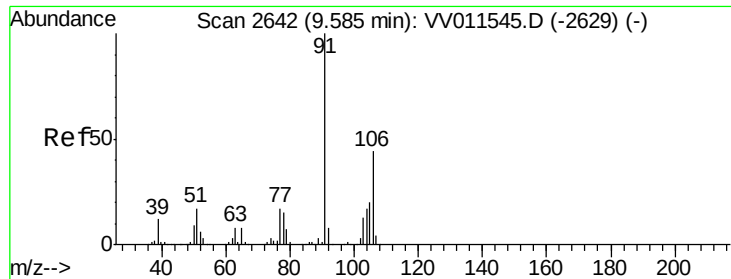
106 100

91 208.9 145.5 270.3



Abundance Ion 106.15 (105.85 to 106.85): VV011571.D (-2423) (-)

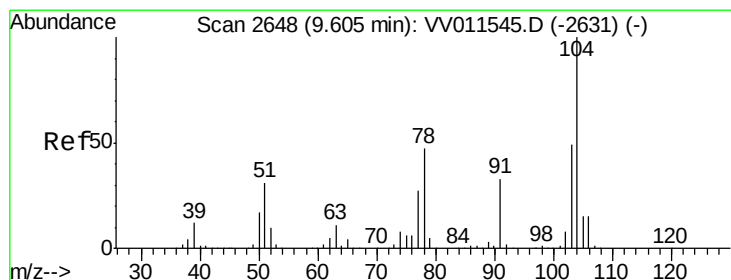
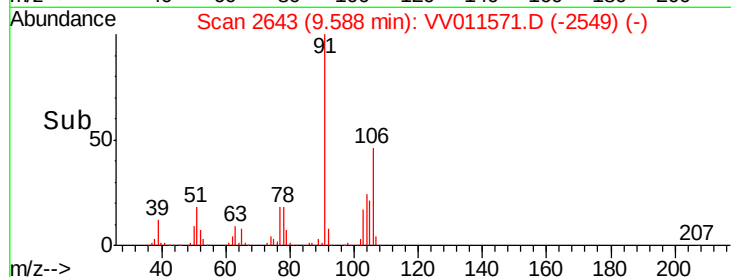
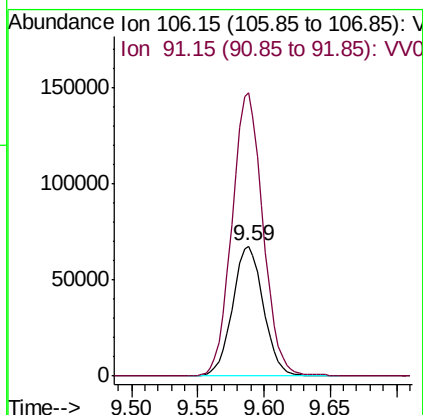
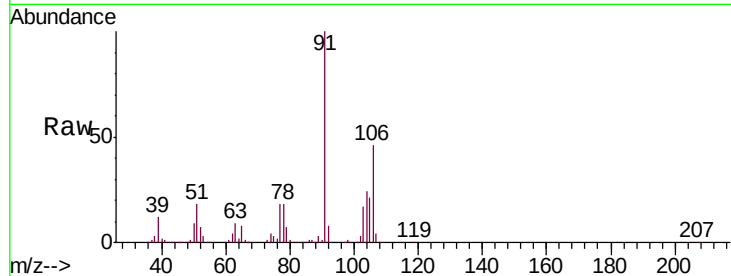




#54
o-xylene
Concen: 5.222 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV011571.D
Acq: 18 Jun 2019 13:18

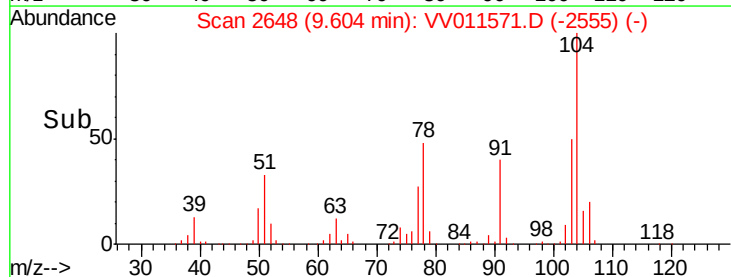
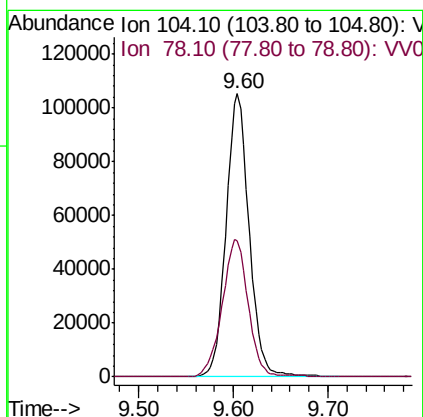
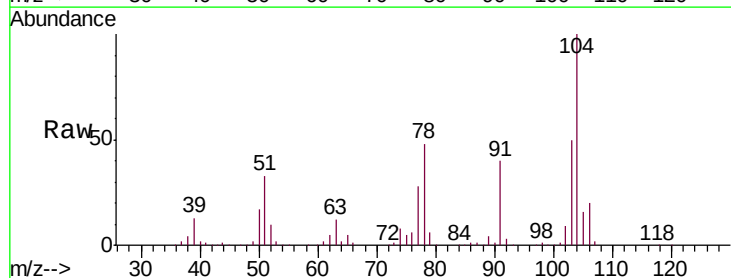
Instrument :
MSVOA_V
ClientSampleId :
VSTD00557

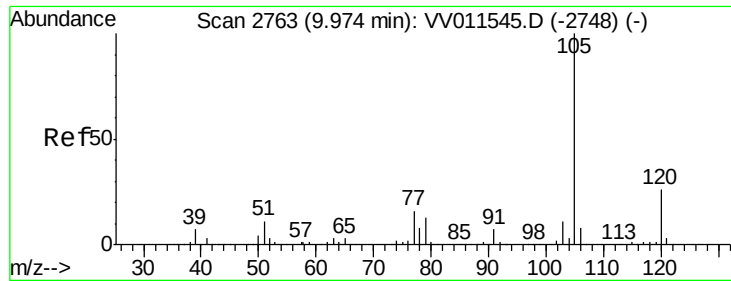
Tgt Ion:106 Resp: 109960
Ion Ratio Lower Upper
106 100
91 217.9 158.8 294.8



#55
Styrene
Concen: 5.112 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. -0.00 min
Lab File: VV011571.D
Acq: 18 Jun 2019 13:18

Tgt Ion:104 Resp: 178541
Ion Ratio Lower Upper
104 100
78 47.9 34.0 63.2





#56

Isopropylbenzene

Concen: 5.339 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV011571.D

Acq: 18 Jun 2019 13:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD00557

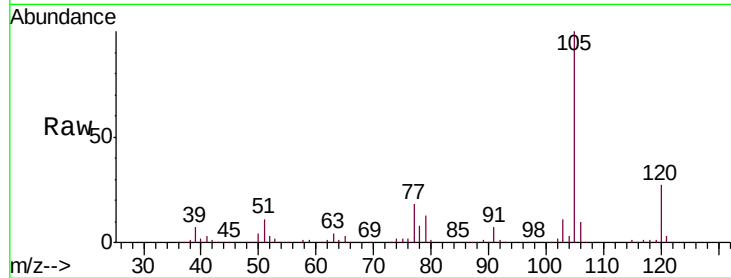
Tgt Ion: 105 Resp: 286170

Ion Ratio Lower Upper

105 100

120 26.3 20.7 31.1

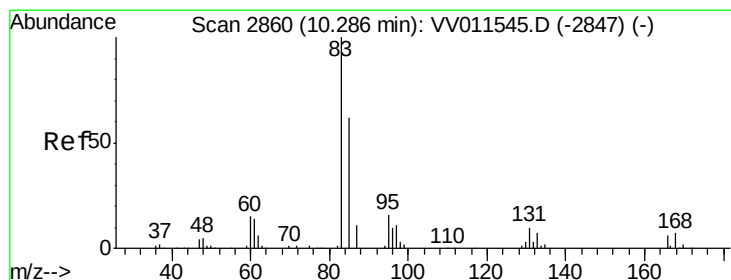
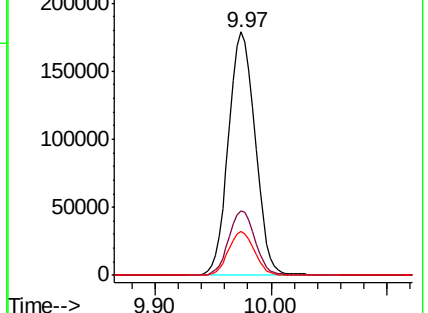
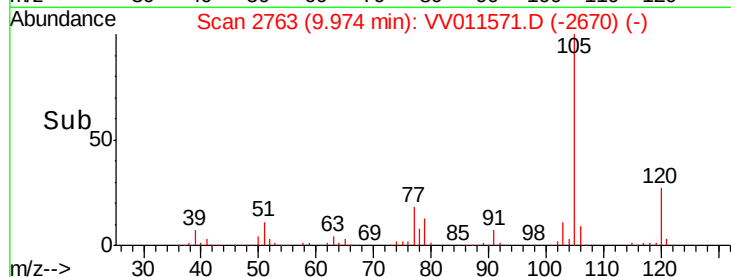
77 17.6 13.8 20.8



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: 4.187 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VV011571.D

Acq: 18 Jun 2019 13:18

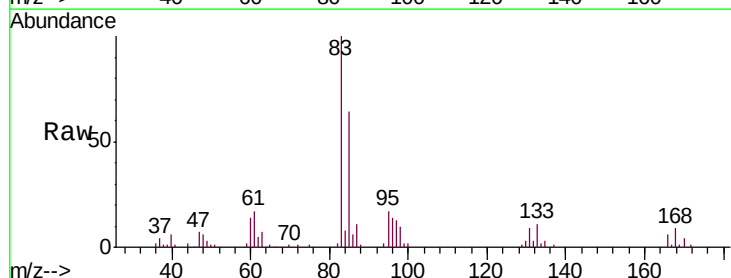
Tgt Ion: 83 Resp: 47885

Ion Ratio Lower Upper

83 100

85 63.9 45.6 84.8

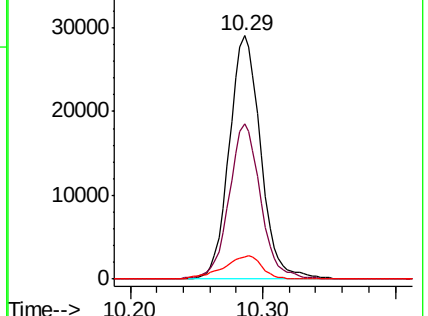
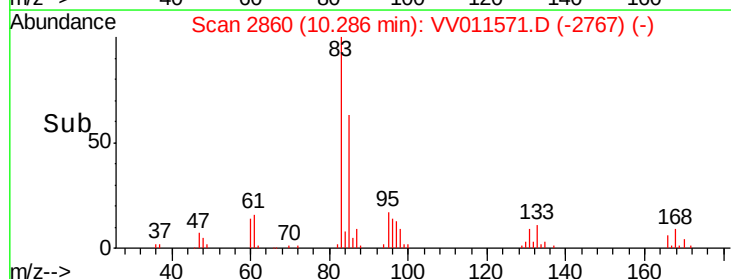
131 9.2 7.9 11.9

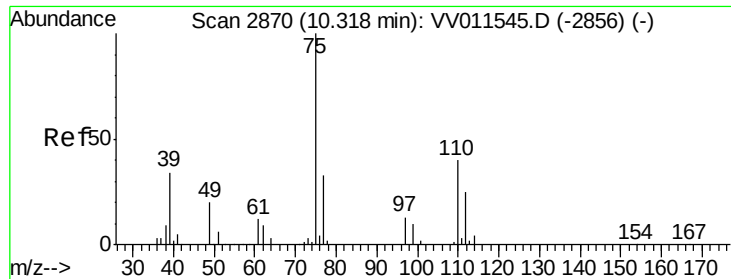


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.278 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. -0.00 min

Lab File: VV011571.D

Acq: 18 Jun 2019 13:18

Instrument :

MSVOA_V

ClientSampleId :

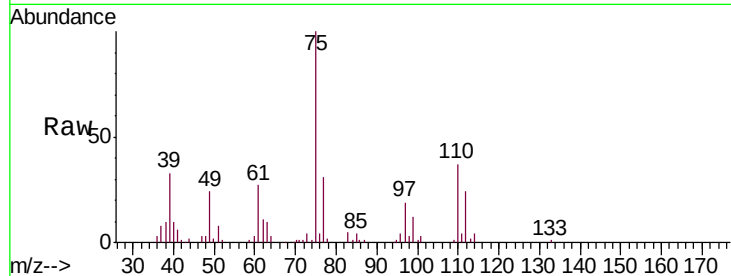
VSTD00557

Tgt Ion: 75 Resp: 37425

Ion Ratio Lower Upper

75 100

77 31.9 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VV011545.D (-2856) (-)

Ion 77.00 (76.70 to 77.70): VV011545.D (-2856) (-)

10.32

25000

20000

15000

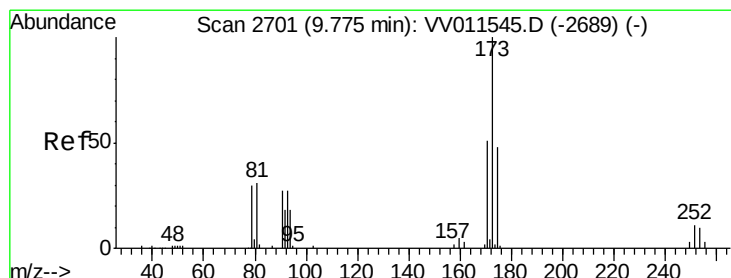
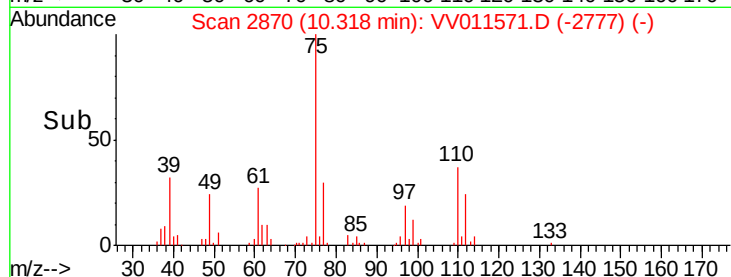
10000

5000

0

10.25 10.30 10.35 10.40

Time-->



#61

Bromoform

Concen: 4.328 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VV011571.D

Acq: 18 Jun 2019 13:18

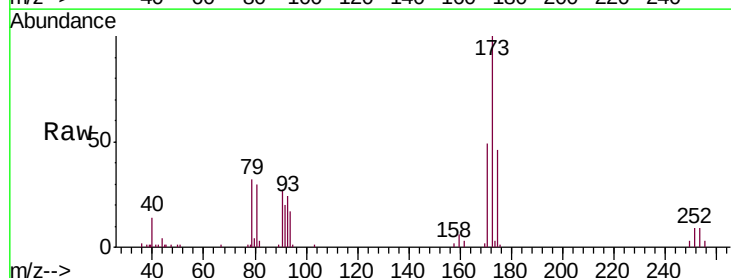
Tgt Ion: 173 Resp: 19765

Ion Ratio Lower Upper

173 100

175 47.3 38.3 57.5

254 9.1 7.9 11.9



Abundance Ion 172.90 (172.60 to 173.60): VV011545.D (-2689) (-)

Ion 174.90 (174.60 to 175.60): VV011545.D (-2689) (-)

Ion 253.75 (253.45 to 254.45): VV011545.D (-2689) (-)

9.77

15000

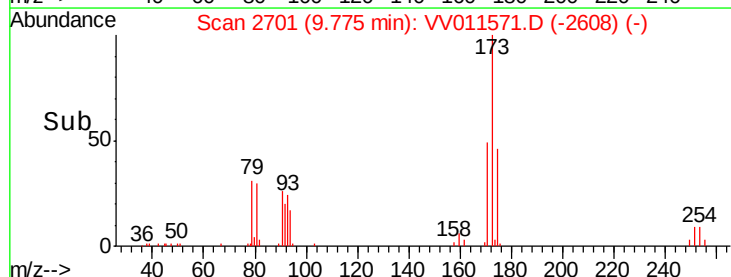
10000

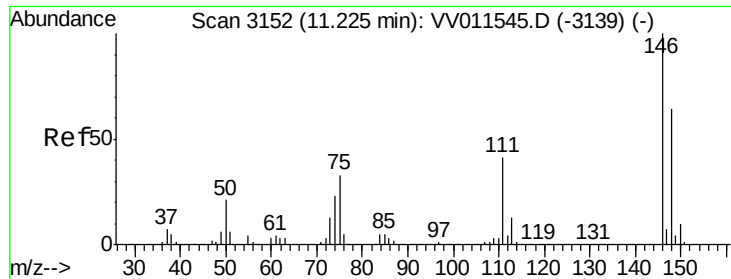
5000

0

9.70 9.75 9.80 9.85

Time-->

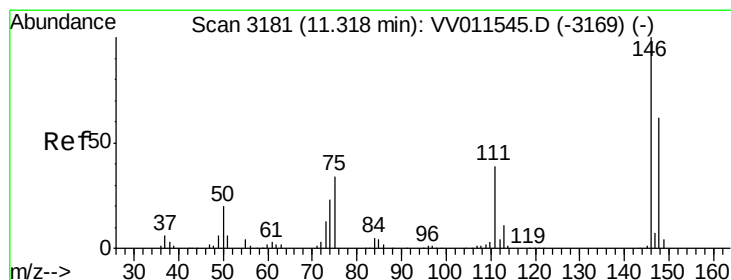
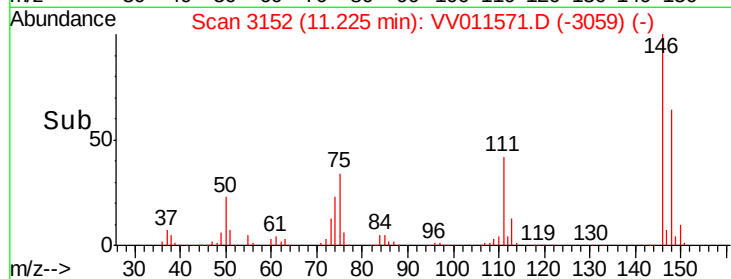
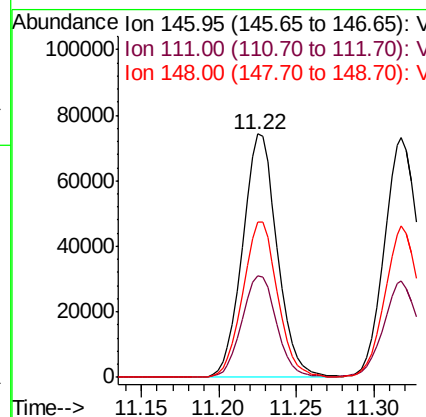
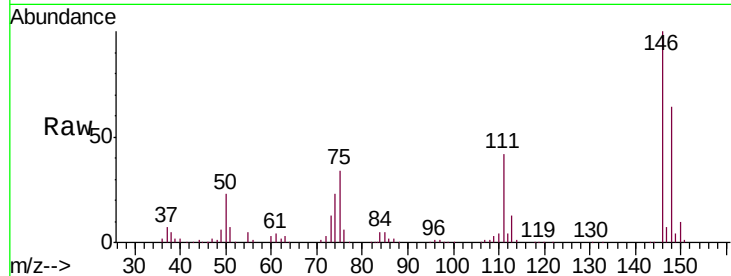




#62
 1,3-Dichlorobenzene
 Concen: 4.978 ug/L
 RT: 11.22 min Scan# 3152
 Delta R.T. -0.00 min
 Lab File: VV011571.D
 Acq: 18 Jun 2019 13:18

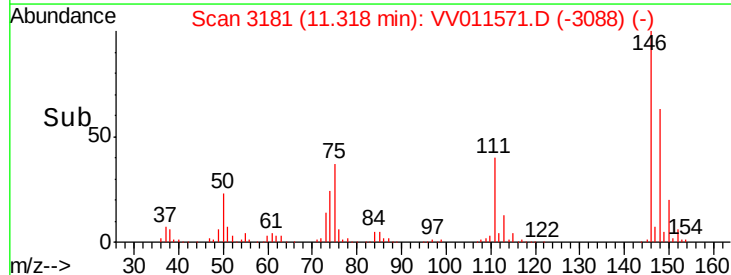
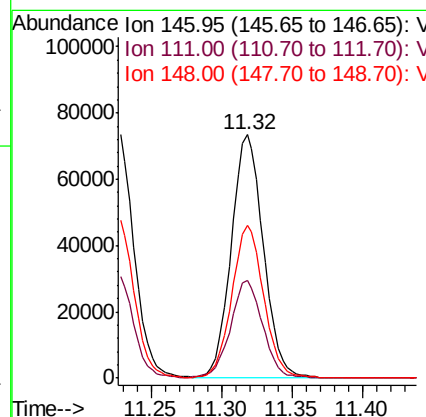
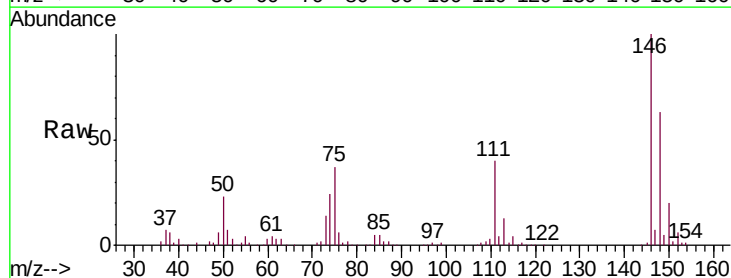
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00557

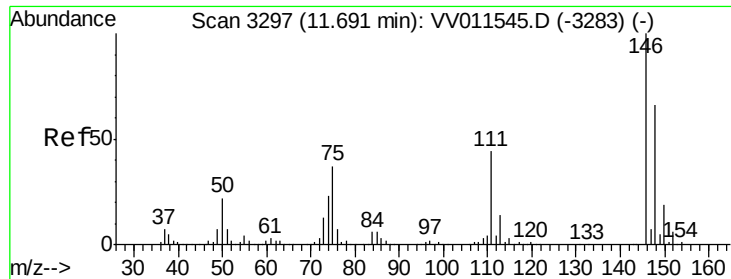
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.8	29.2	54.2
148	63.8	44.3	82.3



#63
 1,4-Dichlorobenzene
 Concen: 4.942 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. -0.00 min
 Lab File: VV011571.D
 Acq: 18 Jun 2019 13:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.2	26.7	49.7
148	62.8	44.2	82.2

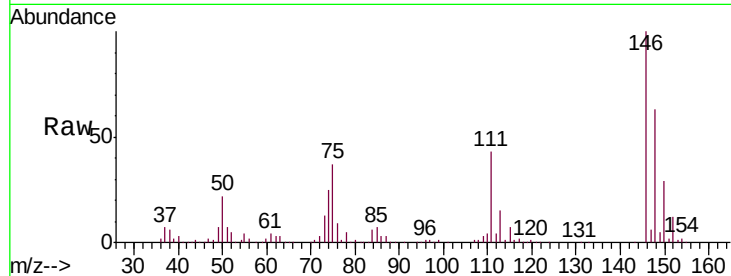




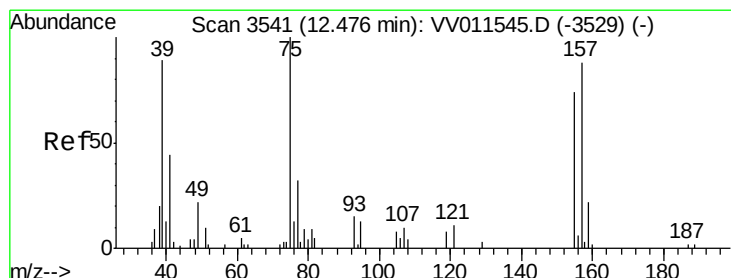
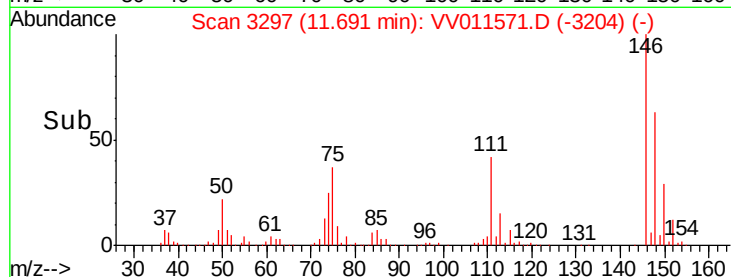
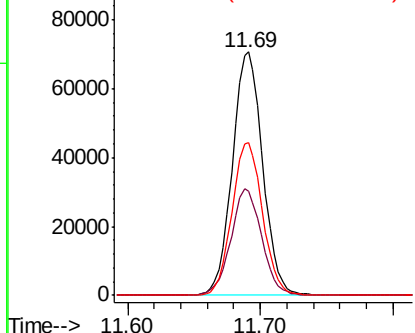
#65
 1,2-Dichlorobenzene
 Concen: 4.788 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. -0.00 min
 Lab File: VV011571.D
 Acq: 18 Jun 2019 13:18

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00557

Tgt Ion: 146 Resp: 111918
 Ion Ratio Lower Upper
 146 100
 111 42.6 35.3 52.9
 148 62.7 51.3 76.9

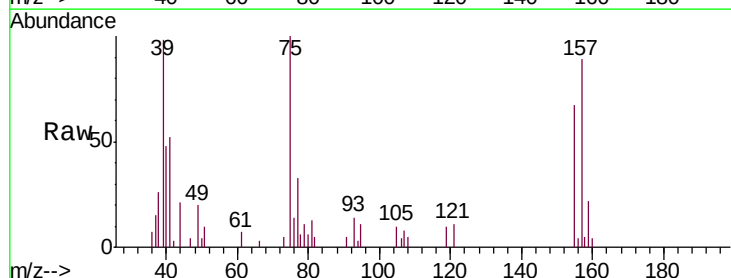


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

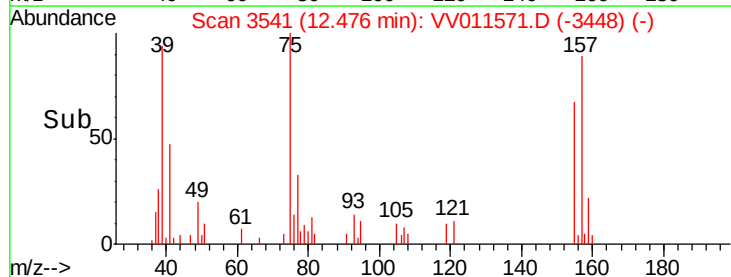
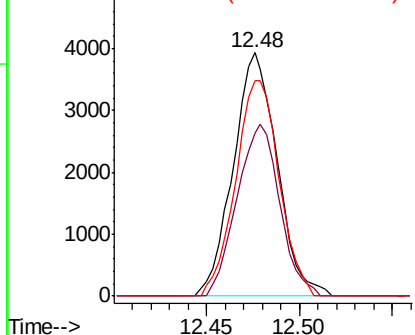


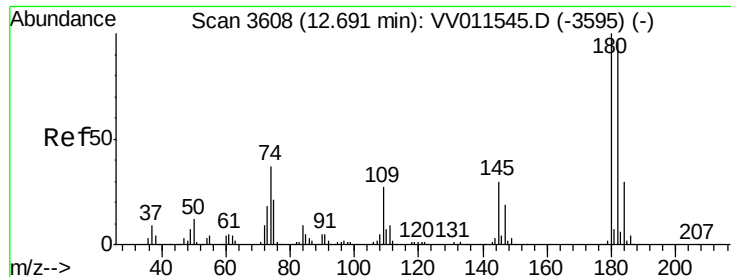
#66
 1,2-Dibromo-3-chloropropane
 Concen: 3.821 ug/L
 RT: 12.48 min Scan# 3541
 Delta R.T. -0.00 min
 Lab File: VV011571.D
 Acq: 18 Jun 2019 13:18

Tgt Ion: 75 Resp: 6486
 Ion Ratio Lower Upper
 75 100
 155 66.9 58.5 87.7
 157 88.7 79.8 119.6



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

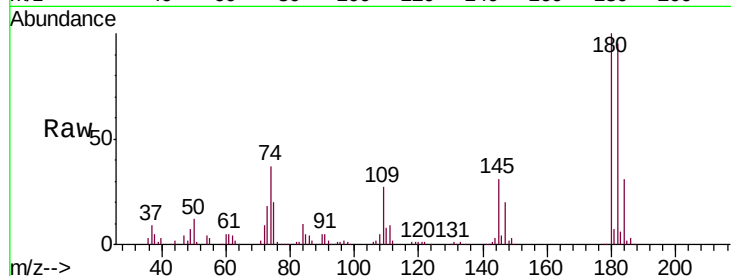




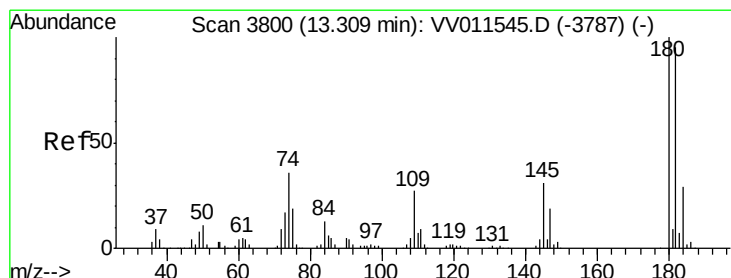
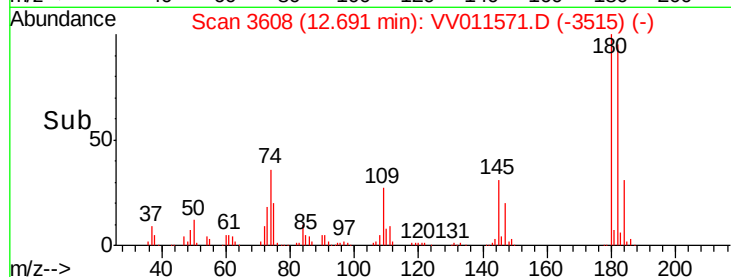
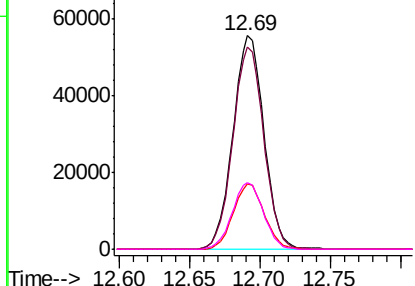
#67
 1,3,5-Trichlorobenzene
 Concen: 5.031 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. -0.00 min
 Lab File: VV011571.D
 Acq: 18 Jun 2019 13:18

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00557

Tgt Ion:180 Resp: 85347
 Ion Ratio Lower Upper
 180 100
 182 94.9 75.4 113.0
 184 30.7 24.0 36.0
 145 31.3 24.4 36.6

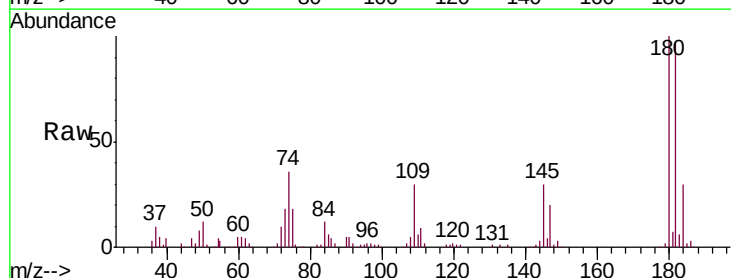


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

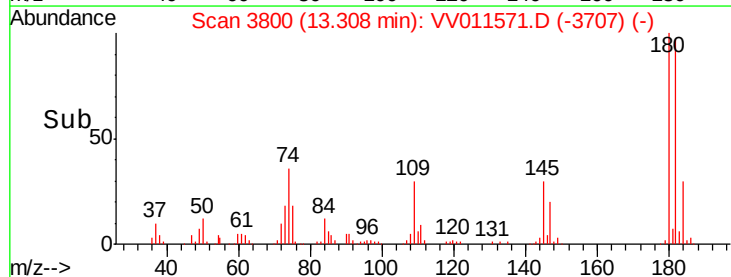
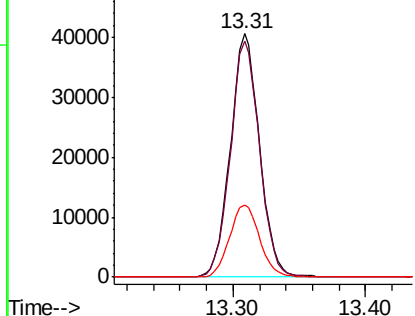


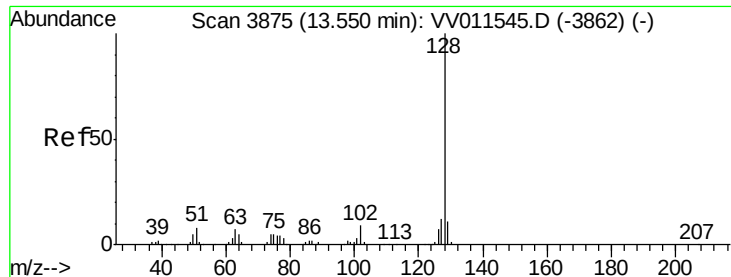
#68
 1,2,4-trichlorobenzene
 Concen: 4.543 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. -0.00 min
 Lab File: VV011571.D
 Acq: 18 Jun 2019 13:18

Tgt Ion:180 Resp: 61883
 Ion Ratio Lower Upper
 180 100
 182 96.6 76.2 114.4
 145 30.7 24.7 37.1



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: 3.752 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. -0.00 min

Lab File: VV011571.D

Acq: 18 Jun 2019 13:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD00557

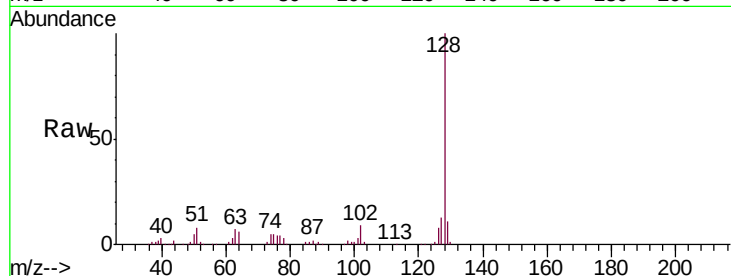
Tgt Ion:128 Resp: 100513

Ion Ratio Lower Upper

128 100

129 11.3 8.7 13.1

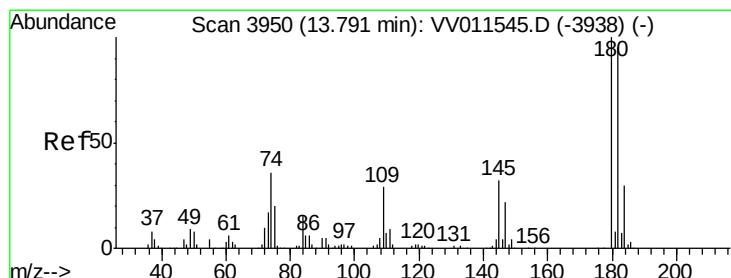
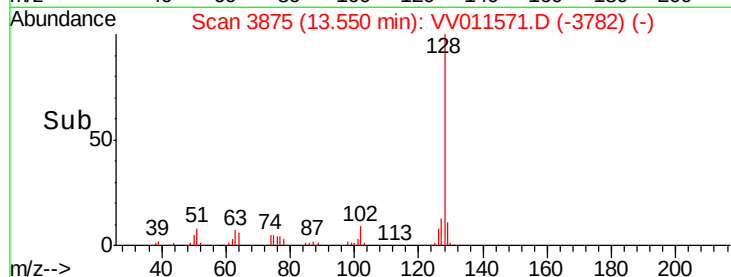
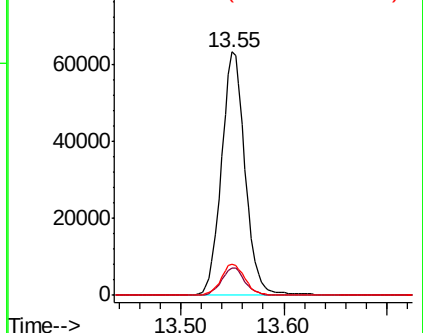
127 13.1 10.9 16.3



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: 4.455 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV011571.D

Acq: 18 Jun 2019 13:18

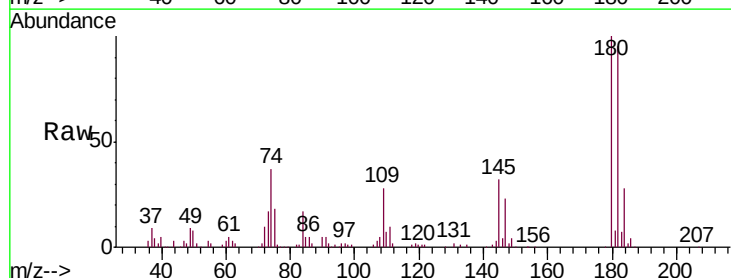
Tgt Ion:180 Resp: 58846

Ion Ratio Lower Upper

180 100

182 95.6 76.6 115.0

145 32.8 27.1 40.7



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

