

Data File : VV012157.D
Acq On : 09 Aug 2019 17:31
Operator : SY/MD
Sample : VSTD01065
Misc : 5mL/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD01065

Quant Time: Aug 10 04:51:04 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081019WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Aug 10 04:48:14 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	303655	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	281901	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	141308	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	10322	3.83	ug/L	0.00
7) Chloroethane-d5	1.57	69	6924	2.41	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	19344	2.49	ug/L	0.00
21) 2-Butanone-d5	3.93	46	9729	7.98	ug/L	0.00
24) Chloroform-d	4.40	84	22113	5.67	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	13185	5.12	ug/L	0.00
32) Benzene-d6	5.10	84	41678	5.94	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	11215	5.28	ug/L	0.00
41) Toluene-d8	7.36	98	39353	5.73	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	5977	6.00	ug/L	0.00
47) 2-Hexanone-d5	8.13	63	7801	9.01	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	15521	4.53	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	16314	5.47	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	24031	8.981 ug/L	99
3) Chloromethane	1.25	50	17044	6.363 ug/L	99
5) Vinyl chloride	1.32	62	15390	4.368 ug/L	99
6) Bromomethane	1.52	94	9274	3.180 ug/L	99
8) Chloroethane	1.59	64	8178	3.037 ug/L	98
9) Trichlorofluoromethane	1.76	101	25675	3.456 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	12701	3.145 ug/L	99
12) 1,1-Dichloroethene	2.14	96	11495	3.206 ug/L	98
13) Acetone	2.19	43	14752	9.461 ug/L	97
14) Carbon disulfide	2.32	76	39350	7.348 ug/L	98
15) Methyl Acetate	2.46	43	14481	6.985 ug/L	98
16) Methylene chloride	2.53	84	17249	7.562 ug/L	96
17) trans-1,2-Dichloroethene	2.79	96	16515	7.761 ug/L	92
18) Methyl tert-butyl Ether	2.80	73	51742	8.016 ug/L	99
19) 1,1-Dichloroethane	3.23	63	28600	7.449 ug/L	96
20) cis-1,2-Dichloroethene	3.96	96	18757	7.899 ug/L	91
22) 2-Butanone	4.02	43	21212	13.583 ug/L	94
23) Bromochloromethane	4.30	128	10311	8.517 ug/L	97
25) Chloroform	4.42	83	32904	7.838 ug/L	98
27) 1,2-Dichloroethane	5.18	62	26233	7.679 ug/L	100
29) Cyclohexane	4.72	56	23682	7.747 ug/L	99
30) 1,1,1-Trichloroethane	4.66	97	30137	9.394 ug/L	99
31) Carbon tetrachloride	4.87	117	27931	9.903 ug/L	98
33) Benzene	5.14	78	65506	7.996 ug/L	100
34) Trichloroethene	5.96	95	18068	8.726 ug/L	98
35) Methylcyclohexane	6.17	83	26814	7.872 ug/L	97
37) 1,2-Dichloropropane	6.22	63	15615	7.480 ug/L	99
38) Bromodichloromethane	6.55	83	23797	8.764 ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	25377	8.283 ug/L	94
40) 4-Methyl-2-pentanone	7.27	43	38046	13.559 ug/L	99

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Quant Title : VOC Analysis
QLast Update : Sat Aug 10 04:48:14 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	71992	7.733	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	22476	7.855	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	17622	8.483	ug/L	97
46) Tetrachloroethene	8.02	164	17380	9.960	ug/L	96
48) 2-Hexanone	8.18	43	28124	13.412	ug/L	98
49) Dibromochloromethane	8.29	129	21090	9.266	ug/L	94
50) 1,2-Dibromoethane	8.40	107	18973	8.558	ug/L	98
51) Chlorobenzene	8.92	112	50100	8.054	ug/L	98
52) Ethylbenzene	9.05	91	78906	7.507	ug/L	98
53) m,p-Xylene	9.18	106	29560	7.203	ug/L	99
54) o-xylene	9.59	106	29985	7.192	ug/L	99
55) Styrene	9.60	104	50256	7.257	ug/L	97
56) Isopropylbenzene	9.97	105	78750	7.356	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	26290	7.145	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	20999	7.469	ug/L	99
61) Bromoform	9.77	173	15844	9.413	ug/L	96
62) 1,3-Dichlorobenzene	11.23	146	40196	8.253	ug/L	97
63) 1,4-Dichlorobenzene	11.32	146	40287	7.989	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	40266	7.886	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	6067	9.009	ug/L	95
67) 1,3,5-Trichlorobenzene	12.69	180	29552	8.759	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	22954	8.393	ug/L	99
69) Naphthalene	13.55	128	57004	7.820	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	24158	8.722	ug/L	99

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

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ALS Vial      : 3      Sample Multiplier: 1
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Instrument :
MSVOA_V
ClientSampleId :
VSTD01065

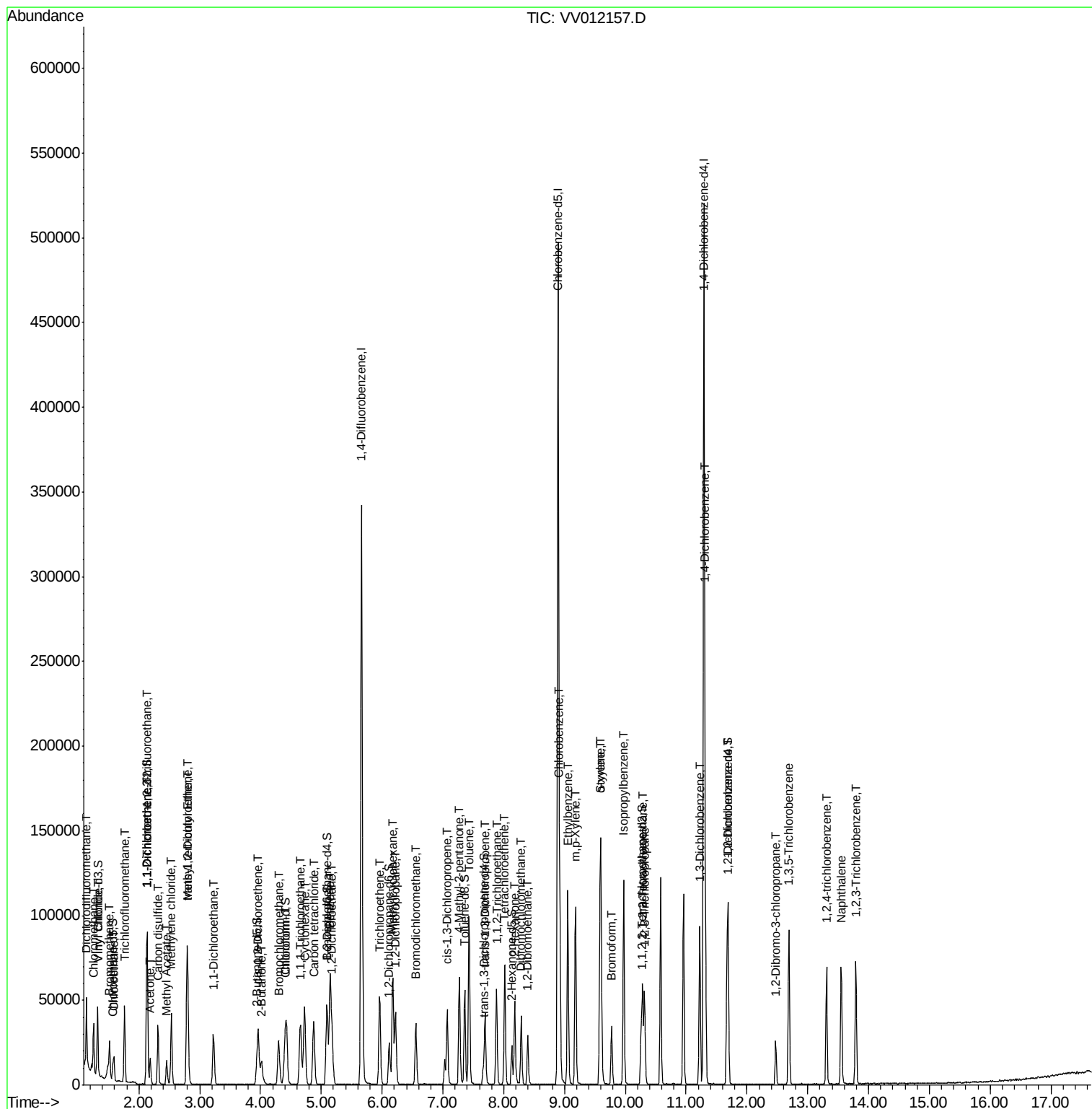
Quant Time: Aug 10 04:51:04 2019

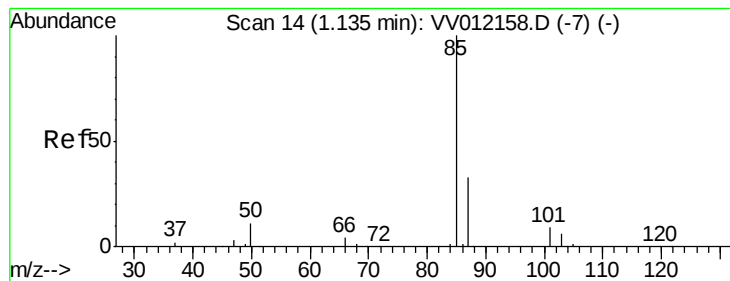
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVLM081019WMA.M

Quant Title : VOC Analysis

QLast Update : Sat Aug 10 04:48:14 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 8.981 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV012157.D

Acq: 09 Aug 2019 17:31

Instrument :

MSVOA_V

ClientSampleId :

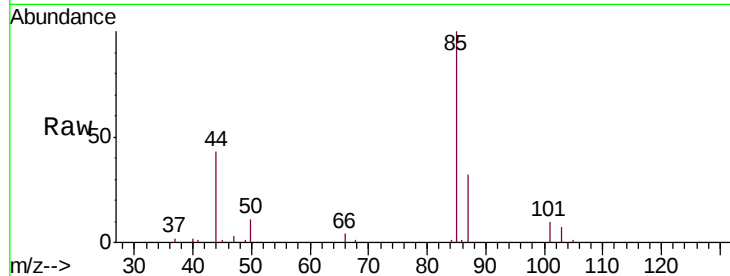
VSTD01065

Tgt Ion: 85 Resp: 24031

Ion Ratio Lower Upper

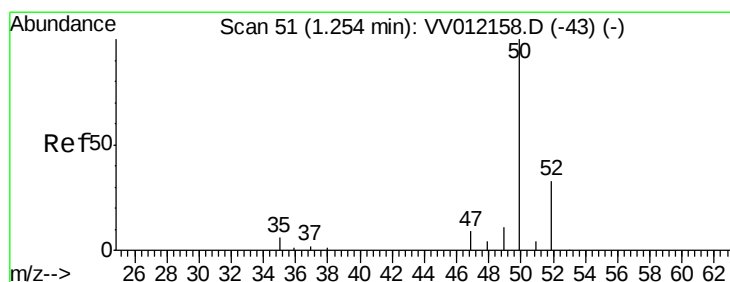
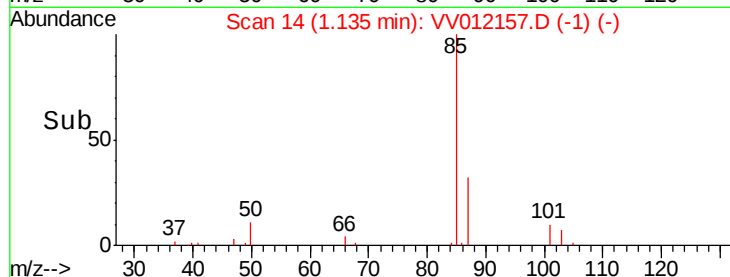
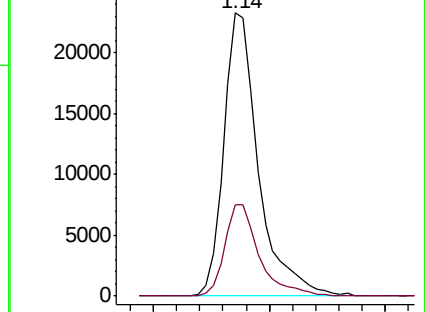
85 100

87 32.3 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VV012157.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV012157.D (-7) (-)



#3

Chloromethane

Concen: 6.363 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV012157.D

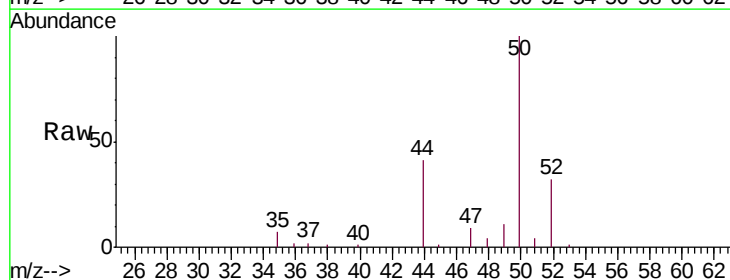
Acq: 09 Aug 2019 17:31

Tgt Ion: 50 Resp: 17044

Ion Ratio Lower Upper

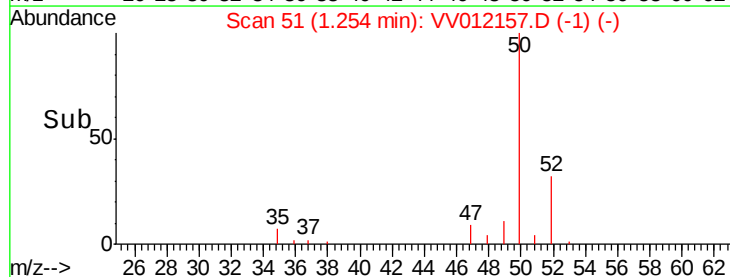
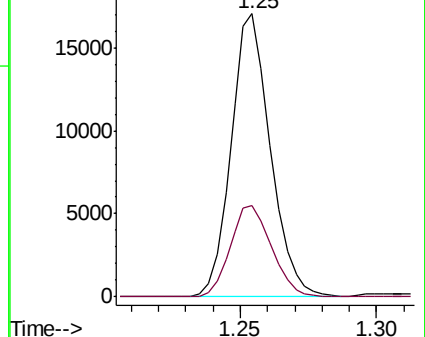
50 100

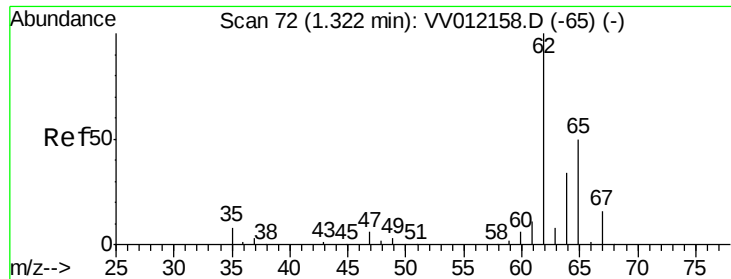
52 32.3 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VV012157.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VV012157.D (-43) (-)





#5

Vinyl chloride

Concen: 4.368 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV012157.D

Acq: 09 Aug 2019 17:31

Instrument :

MSVOA_V

ClientSampleId :

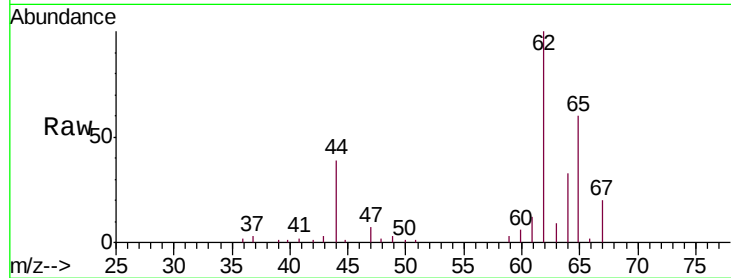
VSTD01065

Tgt Ion: 62 Resp: 15390

Ion Ratio Lower Upper

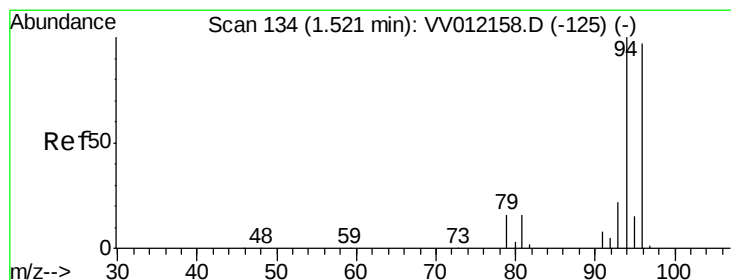
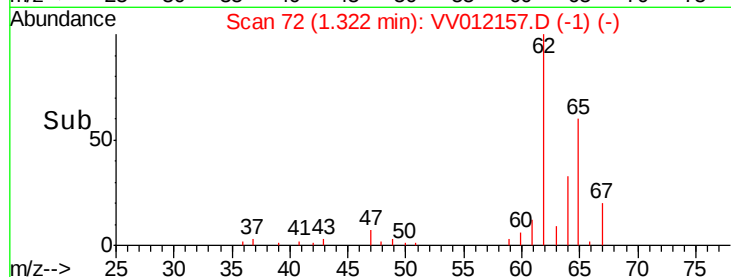
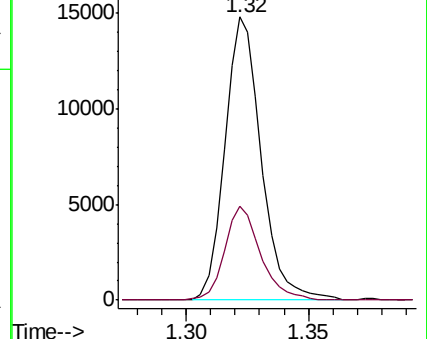
62 100

64 33.1 23.7 44.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 3.180 ug/L

RT: 1.52 min Scan# 133

Delta R.T. -0.00 min

Lab File: VV012157.D

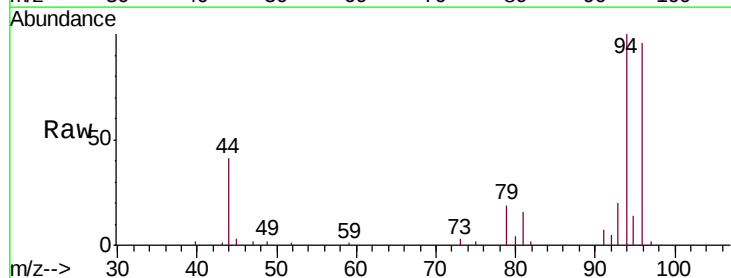
Acq: 09 Aug 2019 17:31

Tgt Ion: 94 Resp: 9274

Ion Ratio Lower Upper

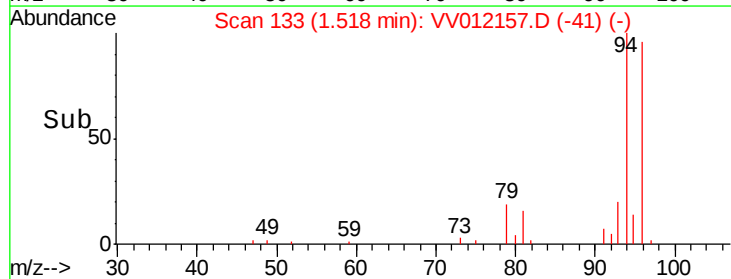
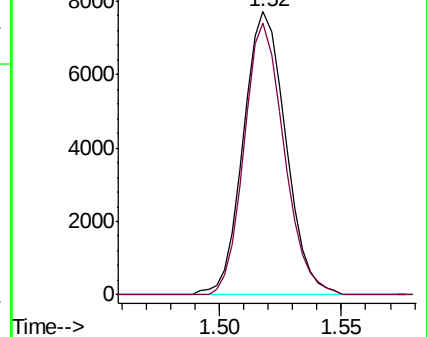
94 100

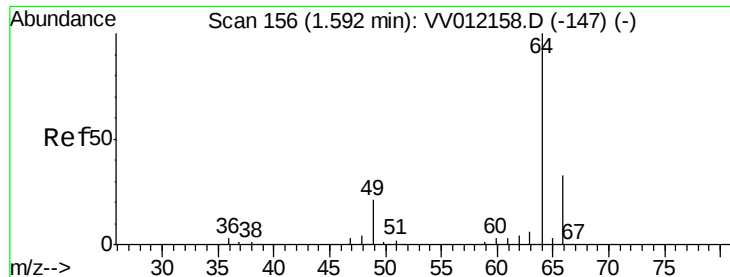
96 95.8 67.9 126.1



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 3.037 ug/L

RT: 1.59 min Scan# 155

Delta R.T. -0.00 min

Lab File: VV012157.D

Acq: 09 Aug 2019 17:31

Instrument :

MSVOA_V

ClientSampleId :

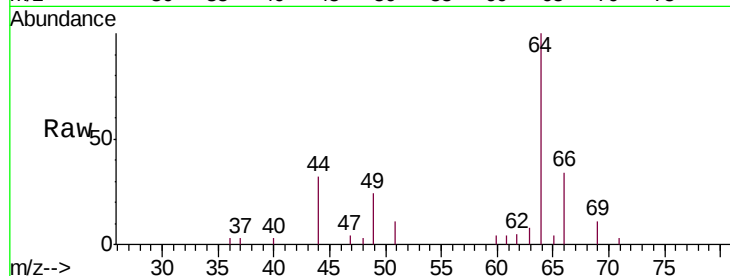
VSTD01065

Tgt Ion: 64 Resp: 8178

Ion Ratio Lower Upper

64 100

66 34.1 22.9 42.5



Abundance Ion 64.00 (63.70 to 64.70): VV012158.D (-147) (-)

Ion 66.00 (65.70 to 66.70): VV012157.D (-32) (-)

1.59

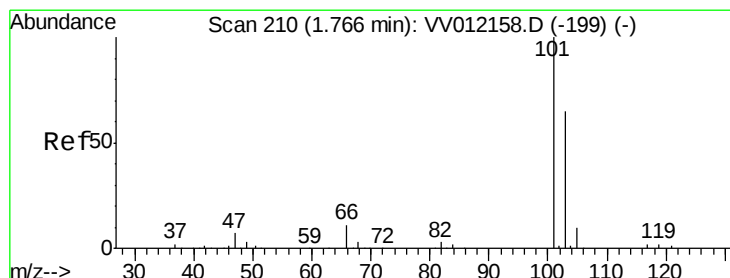
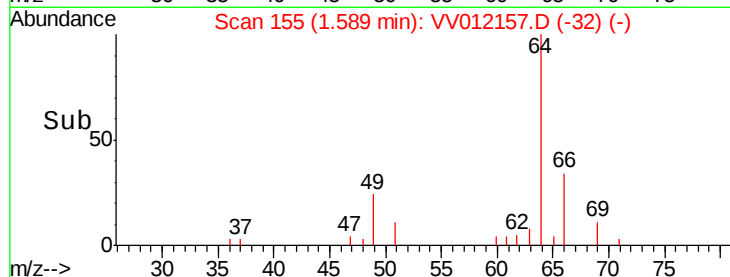
6000

4000

2000

0

Time-->



#9

Trichlorofluoromethane

Concen: 3.456 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV012157.D

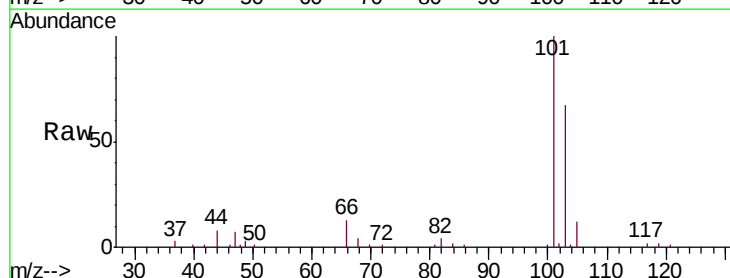
Acq: 09 Aug 2019 17:31

Tgt Ion: 101 Resp: 25675

Ion Ratio Lower Upper

101 100

103 67.9 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): VV012158.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV012157.D (-86) (-)

1.76

20000

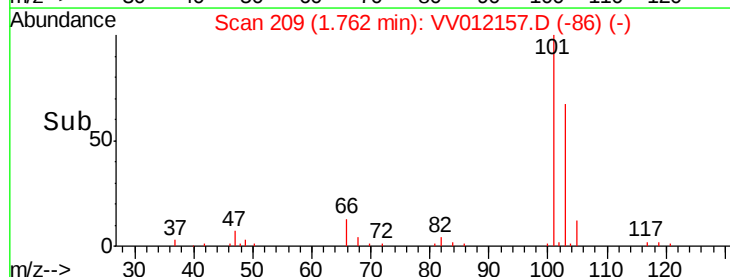
15000

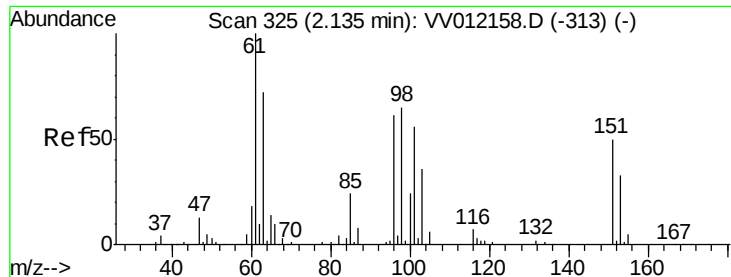
10000

5000

0

Time-->





#10

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

Concen: 3.145 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV012157.D

Acq: 09 Aug 2019 17:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD01065

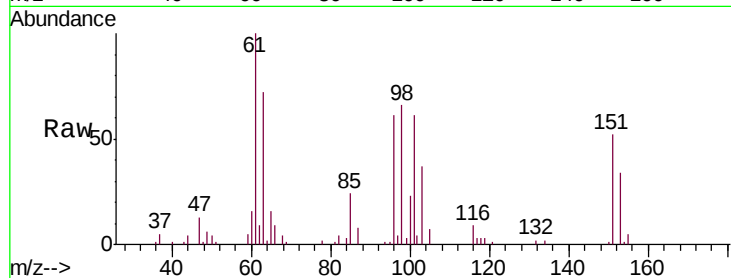
Tgt Ion: 101 Resp: 12701

Ion Ratio Lower Upper

101 100

85 41.9 33.6 50.4

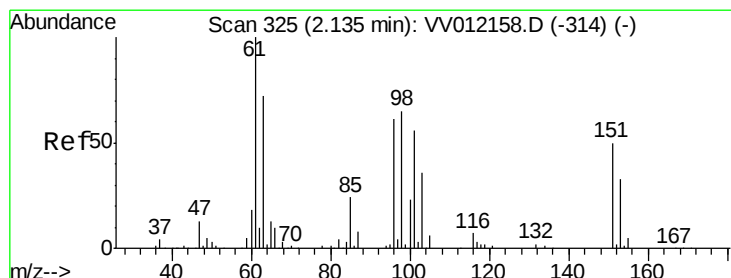
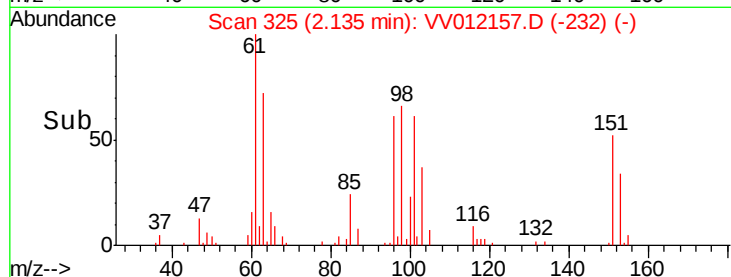
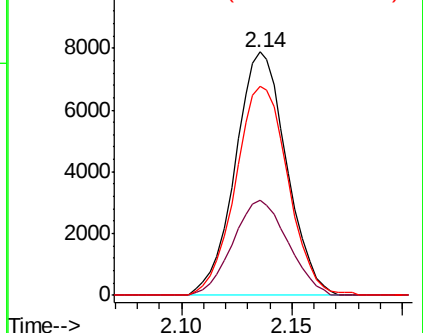
151 87.9 71.8 107.8



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: 3.206 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV012157.D

Acq: 09 Aug 2019 17:31

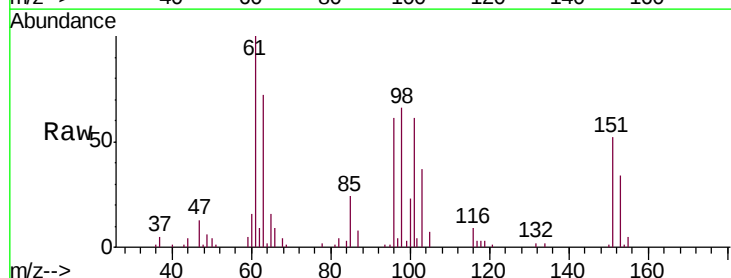
Tgt Ion: 96 Resp: 11495

Ion Ratio Lower Upper

96 100

61 163.2 115.1 213.8

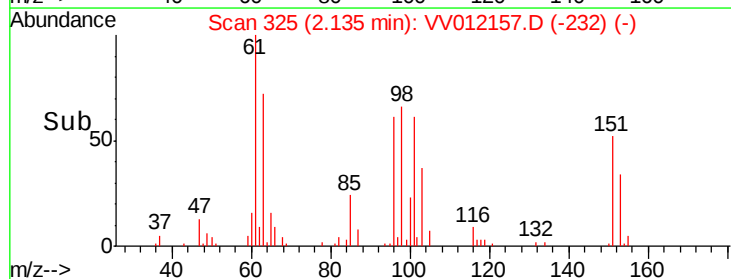
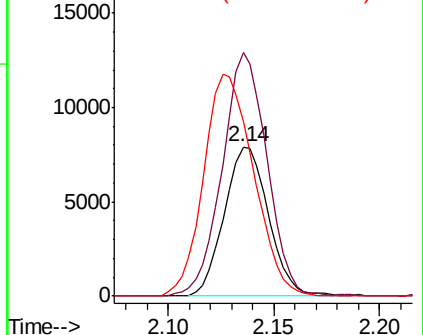
63 117.2 83.9 155.7

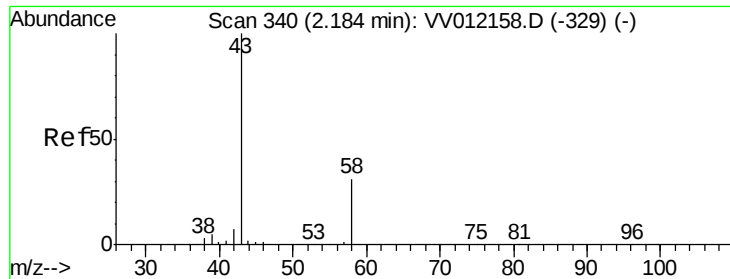


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 9.461 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VV012157.D

Acq: 09 Aug 2019 17:31

Instrument :

MSVOA_V

ClientSampled :

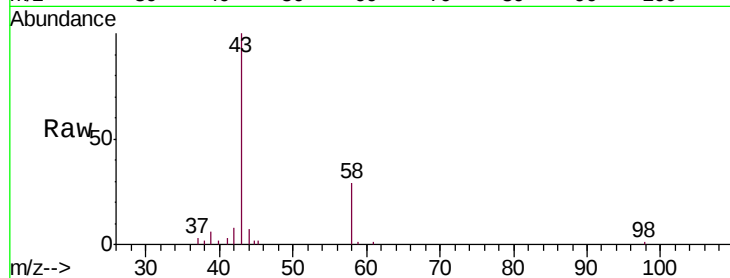
VSTD01065

Tgt Ion: 43 Resp: 14752

Ion Ratio Lower Upper

43 100

58 30.2 0.0 63.4



Abundance Ion 43.00 (42.70 to 43.70): VV012158.D (-329) (-)

Ion 58.00 (57.70 to 58.70): VV012158.D (-329) (-)

2.19

10000

8000

6000

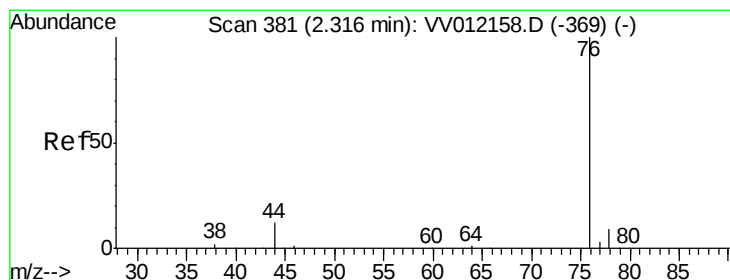
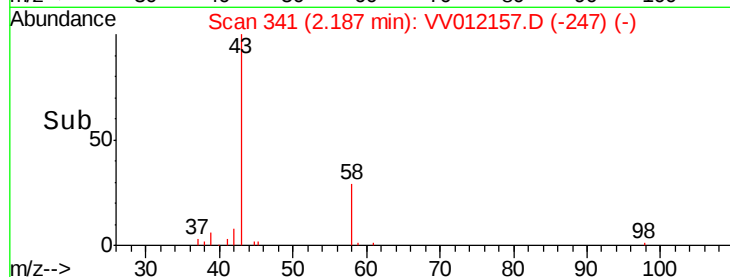
4000

2000

0

Time-->

2.15 2.20 2.25



#14

Carbon disulfide

Concen: 7.348 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV012157.D

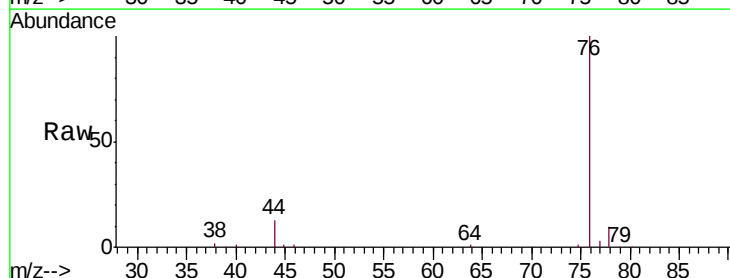
Acq: 09 Aug 2019 17:31

Tgt Ion: 76 Resp: 39350

Ion Ratio Lower Upper

76 100

78 9.9 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VV012158.D (-369) (-)

Ion 78.00 (77.70 to 78.70): VV012158.D (-369) (-)

2.32

30000

25000

20000

15000

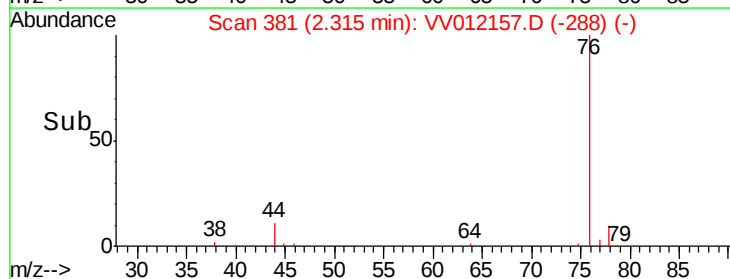
10000

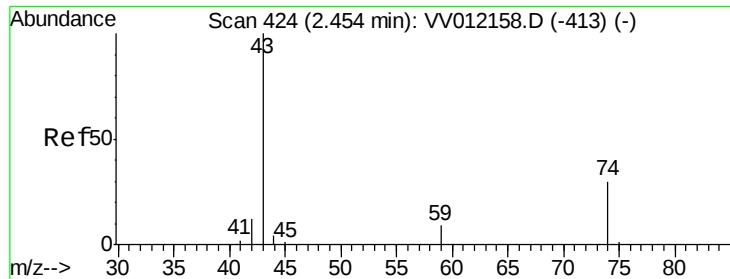
5000

0

Time-->

2.25 2.30 2.35

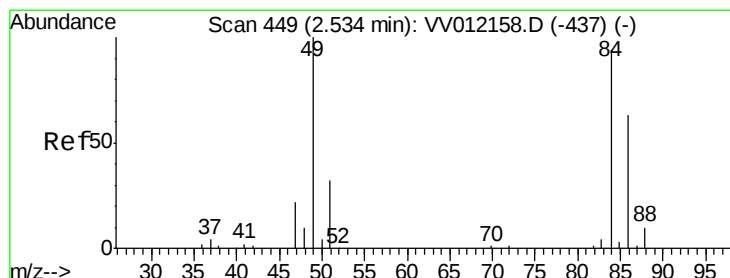
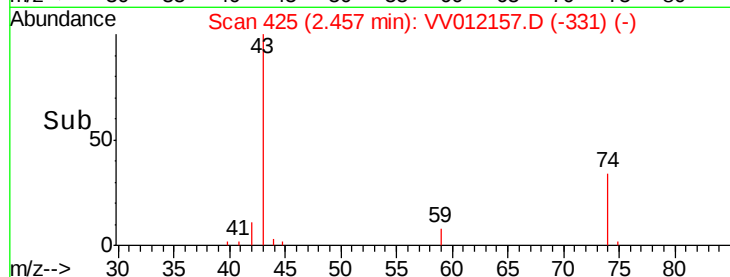
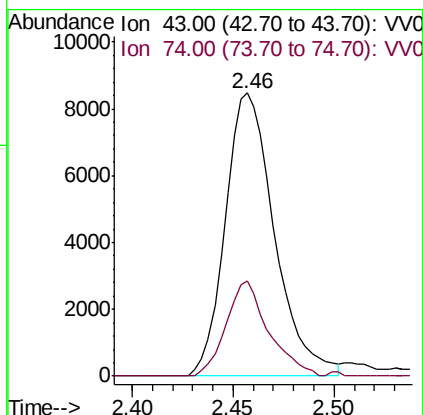
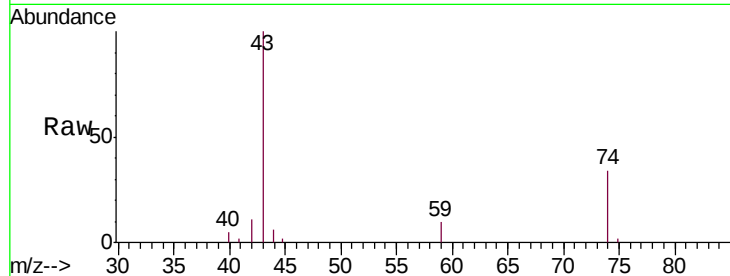




#15
Methyl Acetate
Concen: 6.985 ug/L
RT: 2.46 min Scan# 425
Delta R.T. 0.00 min
Lab File: VV012157.D
Acq: 09 Aug 2019 17:31

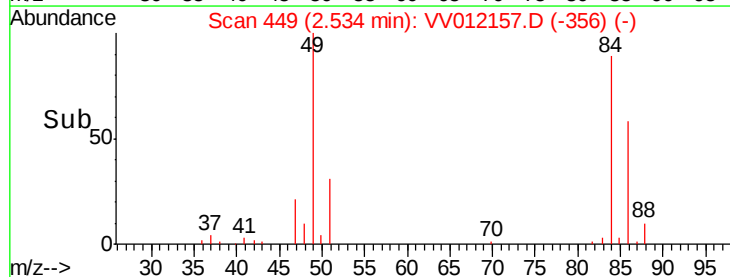
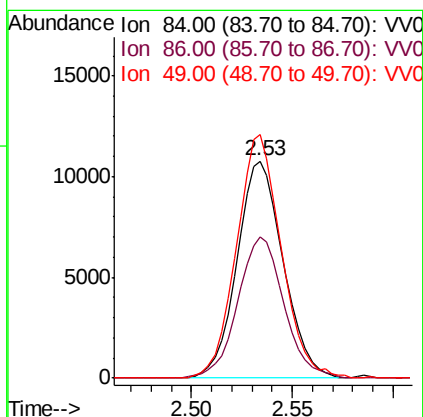
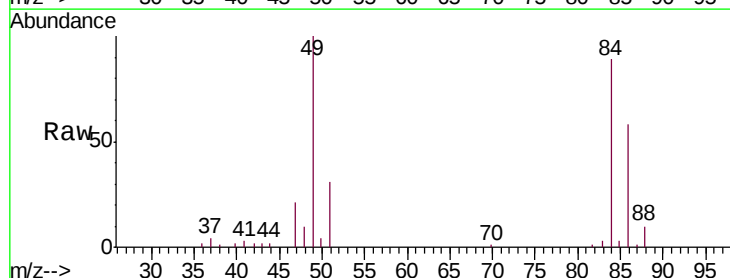
Instrument :
MSVOA_V
ClientSampleId :
VSTD01065

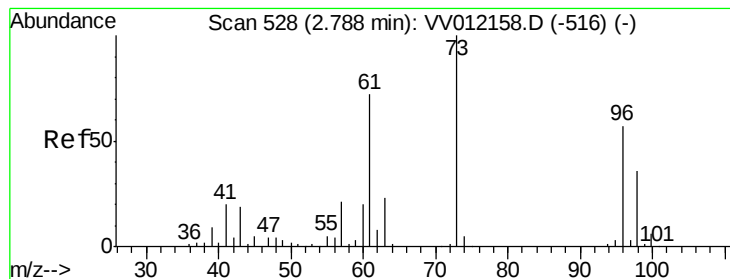
Tgt Ion: 43 Resp: 14481
Ion Ratio Lower Upper
43 100
74 29.0 22.4 33.6



#16
Methylene chloride
Concen: 7.562 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV012157.D
Acq: 09 Aug 2019 17:31

Tgt Ion: 84 Resp: 17249
Ion Ratio Lower Upper
84 100
86 65.1 47.0 87.4
49 112.1 74.8 139.0





#17

trans-1,2-Dichloroethene

Concen: 7.761 ug/L

RT: 2.79 min Scan# 528

Delta R.T. -0.00 min

Lab File: VV012157.D

Acq: 09 Aug 2019 17:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD01065

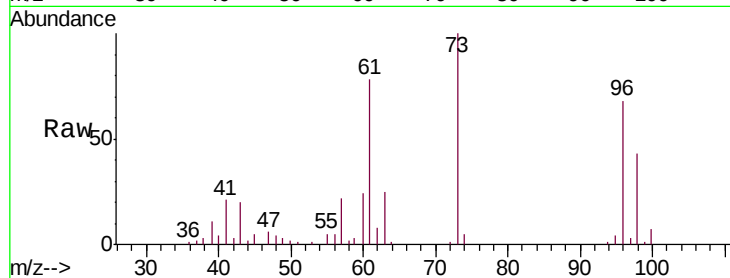
Tgt Ion: 96 Resp: 16515

Ion Ratio Lower Upper

96 100

61 114.7 89.3 165.9

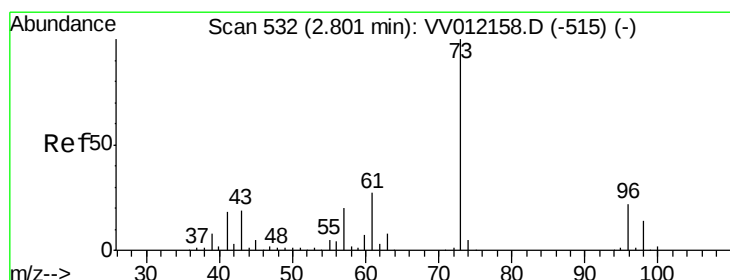
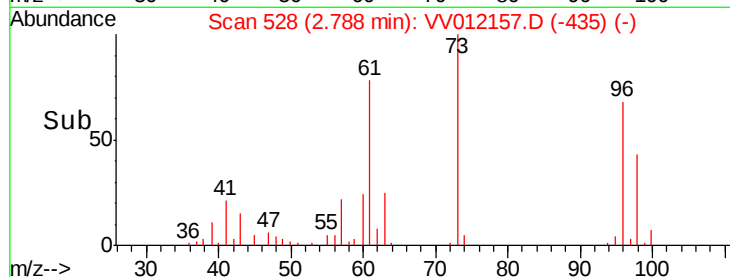
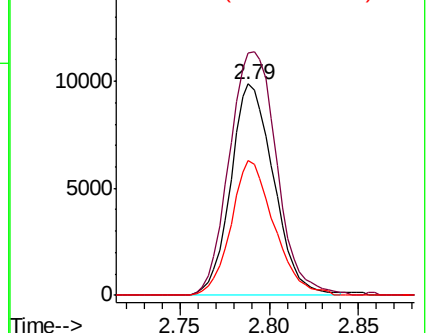
98 63.4 44.7 83.1



Abundance Ion 96.00 (95.70 to 96.70): VV012157.D (-435) (-)

Ion 61.00 (60.70 to 61.70): VV012157.D (-435) (-)

Ion 98.00 (97.70 to 98.70): VV012157.D (-435) (-)



#18

Methyl tert-butyl Ether

Concen: 8.016 ug/L

RT: 2.80 min Scan# 532

Delta R.T. -0.00 min

Lab File: VV012157.D

Acq: 09 Aug 2019 17:31

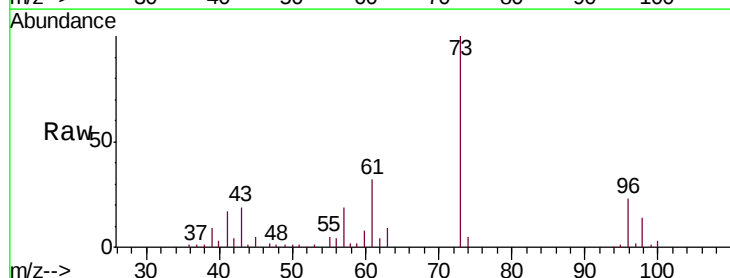
Tgt Ion: 73 Resp: 51742

Ion Ratio Lower Upper

73 100

43 19.1 15.2 22.8

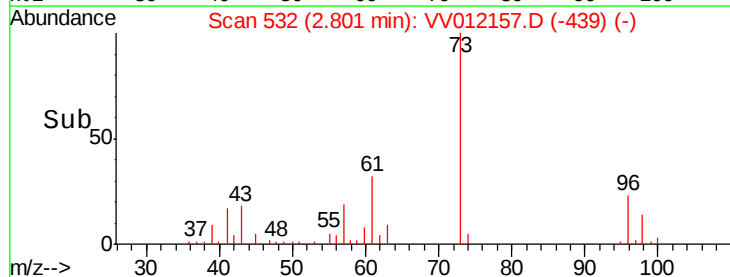
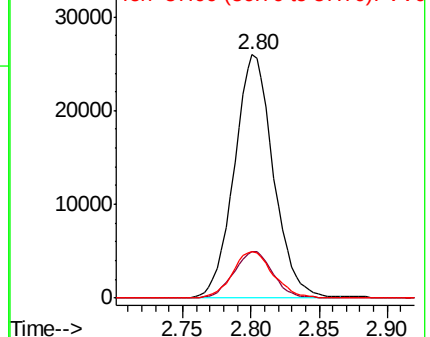
57 19.8 16.2 24.2

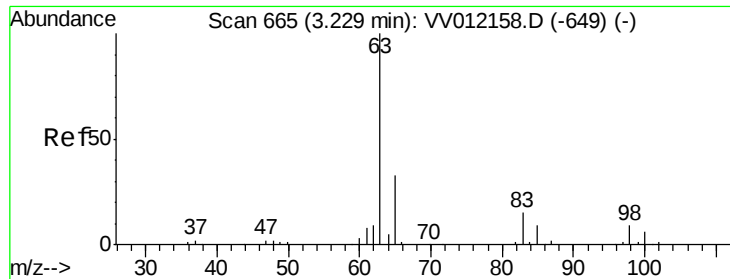


Abundance Ion 73.00 (72.70 to 73.70): VV012157.D (-439) (-)

Ion 43.00 (42.70 to 43.70): VV012157.D (-439) (-)

Ion 57.00 (56.70 to 57.70): VV012157.D (-439) (-)

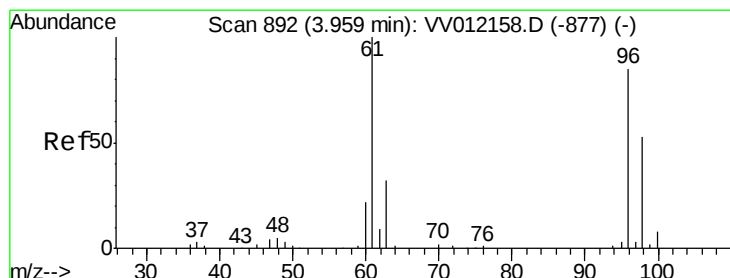
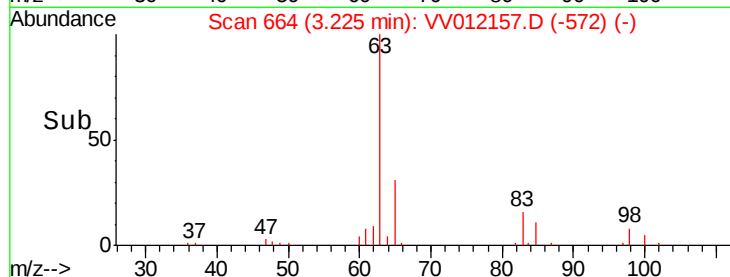
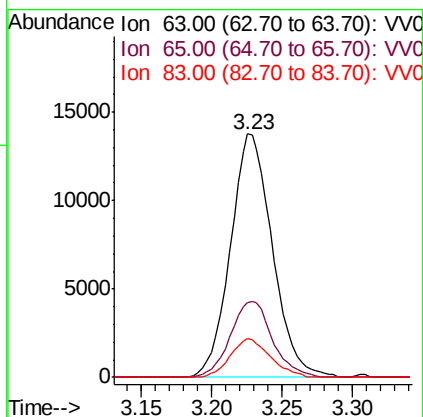
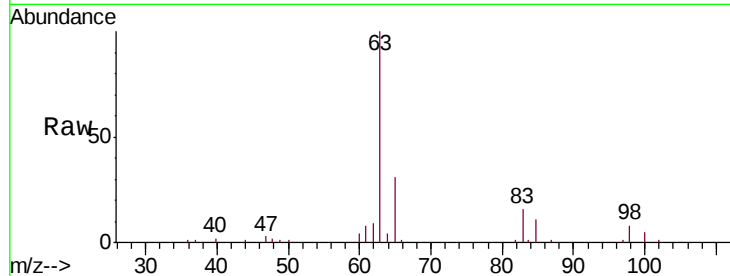




#19
 1,1-Dichloroethane
 Concen: 7.449 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. -0.00 min
 Lab File: VV012157.D
 Acq: 09 Aug 2019 17:31

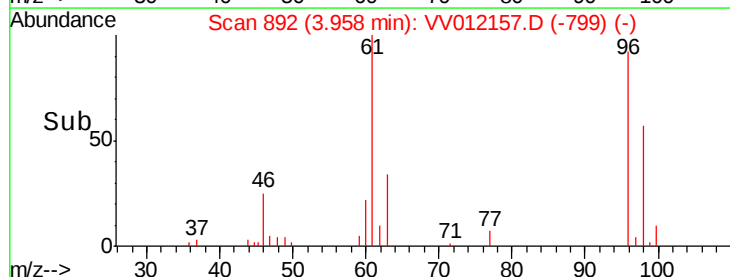
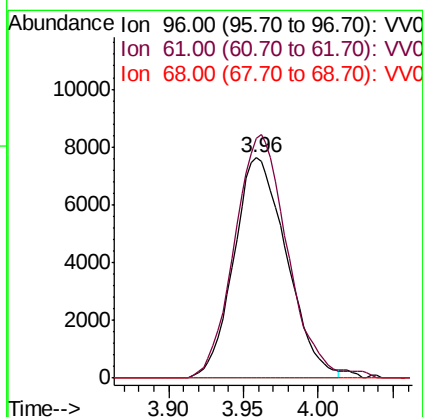
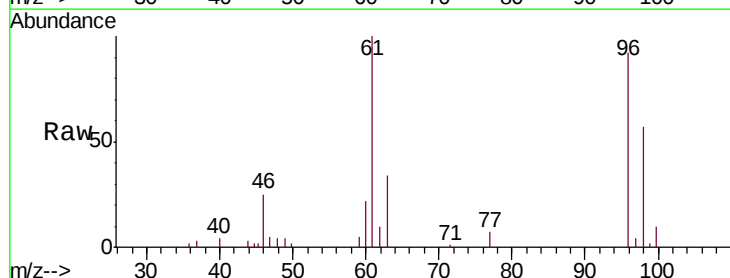
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01065

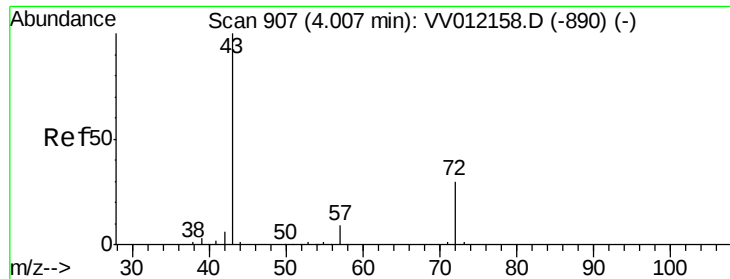
Tgt Ion: 63 Resp: 28600
 Ion Ratio Lower Upper
 63 100
 65 30.8 22.9 42.5
 83 16.8 10.4 19.2



#20
 cis-1,2-Dichloroethene
 Concen: 7.899 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. -0.00 min
 Lab File: VV012157.D
 Acq: 09 Aug 2019 17:31

Tgt Ion: 96 Resp: 18757
 Ion Ratio Lower Upper
 96 100
 61 108.9 82.9 153.9
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 13.583 ug/L

RT: 4.02 min Scan# 910

Delta R.T. 0.01 min

Lab File: VV012157.D

Acq: 09 Aug 2019 17:31

Instrument :

MSVOA_V

ClientSampleId :

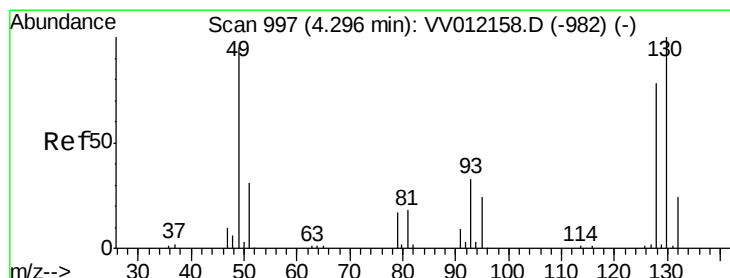
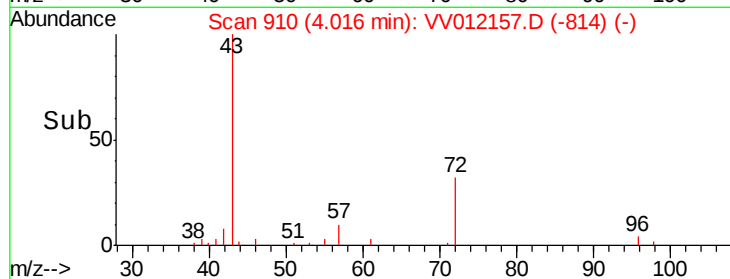
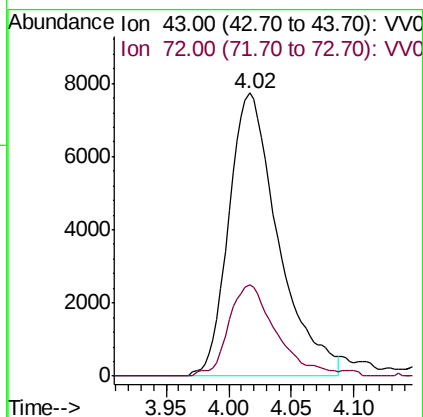
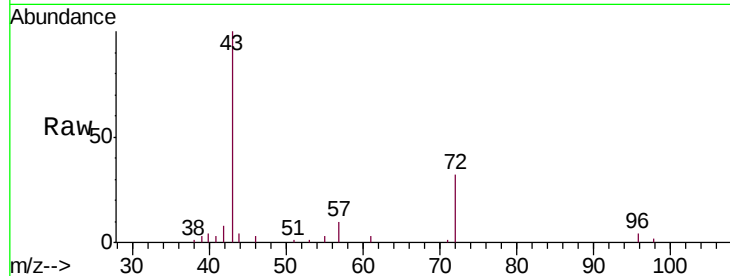
VSTD01065

Tgt Ion: 43 Resp: 21212

Ion Ratio Lower Upper

43 100

72 31.0 14.0 42.0



#23

Bromochloromethane

Concen: 8.517 ug/L

RT: 4.30 min Scan# 998

Delta R.T. 0.00 min

Lab File: VV012157.D

Acq: 09 Aug 2019 17:31

Tgt Ion: 128 Resp: 10311

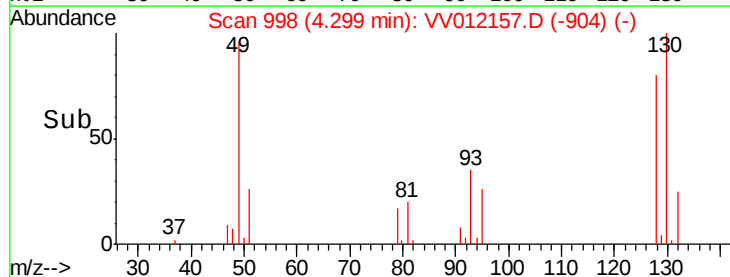
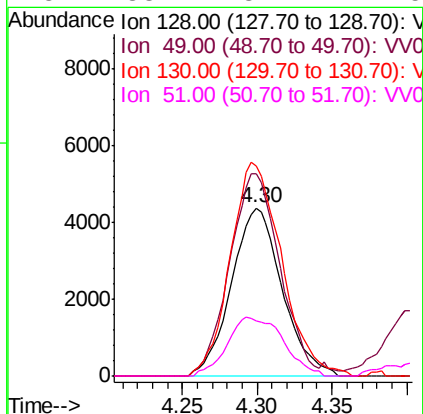
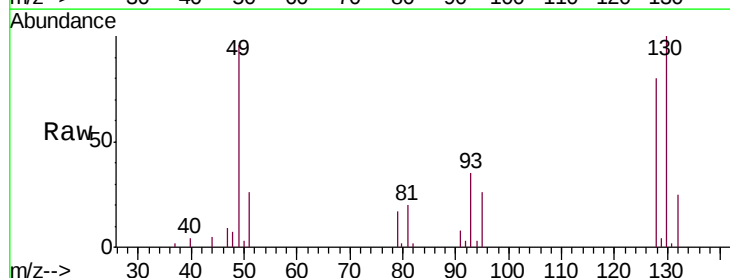
Ion Ratio Lower Upper

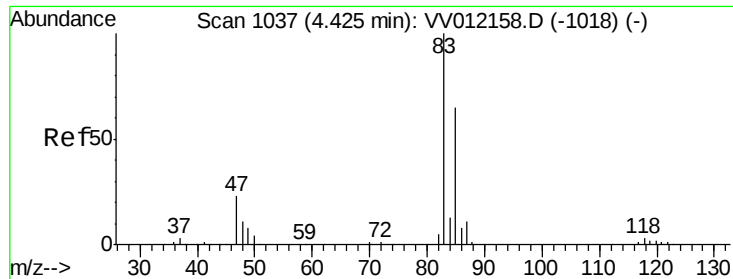
128 100

49 120.9 85.7 159.1

130 125.3 89.9 166.9

51 33.1 31.7 47.5

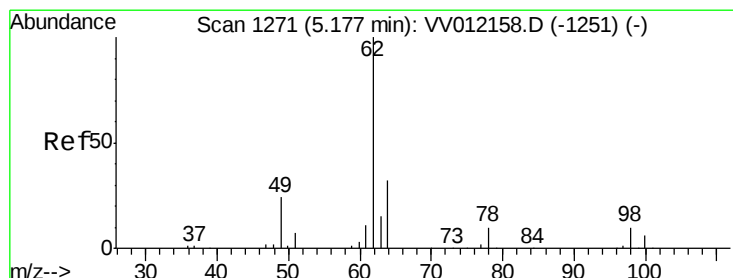
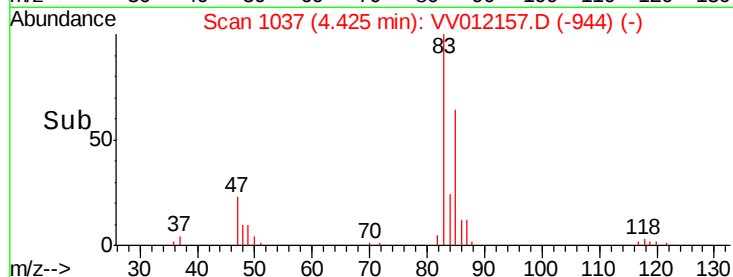
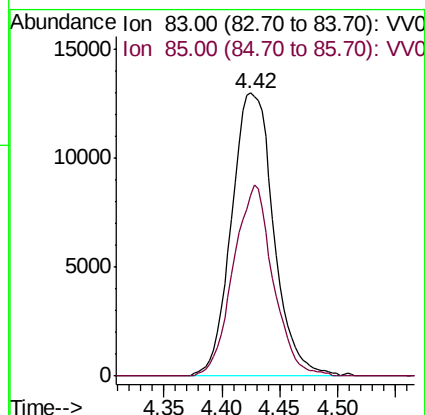
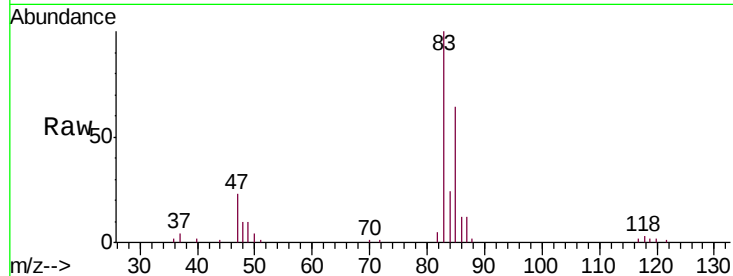




#25
Chloroform
Concen: 7.838 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV012157.D
Acq: 09 Aug 2019 17:31

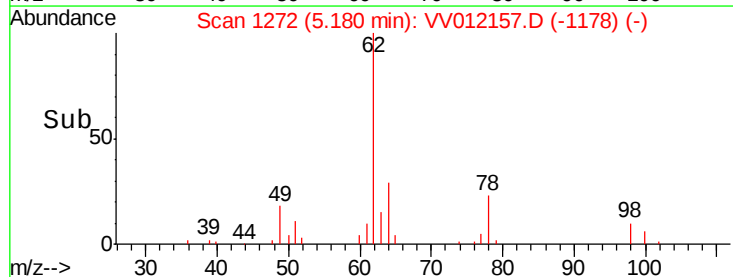
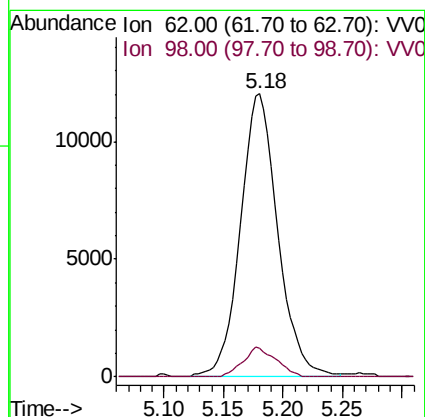
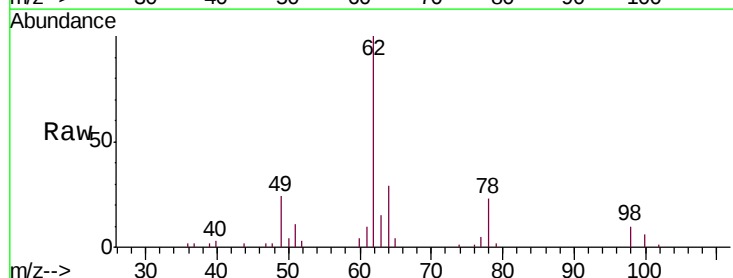
Instrument :
MSVOA_V
ClientSampleId :
VSTD01065

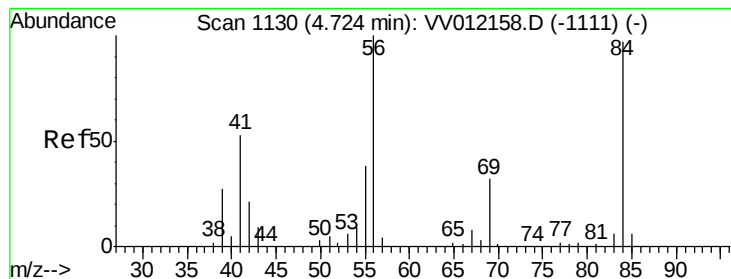
Tgt Ion: 83 Resp: 32904
Ion Ratio Lower Upper
83 100
85 63.8 45.7 84.9



#27
1,2-Dichloroethane
Concen: 7.679 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV012157.D
Acq: 09 Aug 2019 17:31

Tgt Ion: 62 Resp: 26233
Ion Ratio Lower Upper
62 100
98 10.1 8.1 12.1





#29

Cyclohexane

Concen: 7.747 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VV012157.D

Acq: 09 Aug 2019 17:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD01065

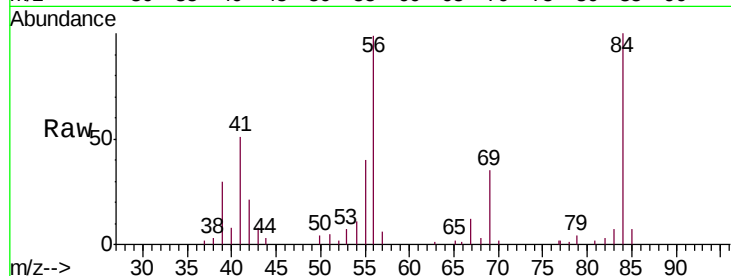
Tgt Ion: 56 Resp: 23682

Ion Ratio Lower Upper

56 100

69 32.4 26.6 40.0

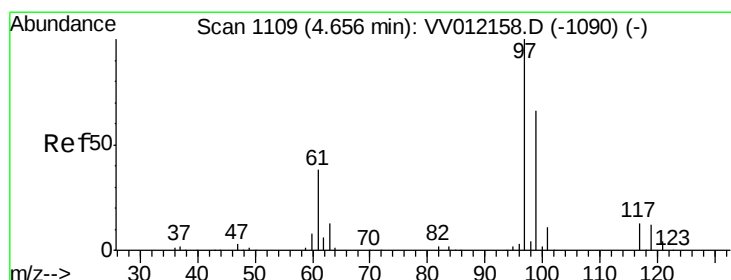
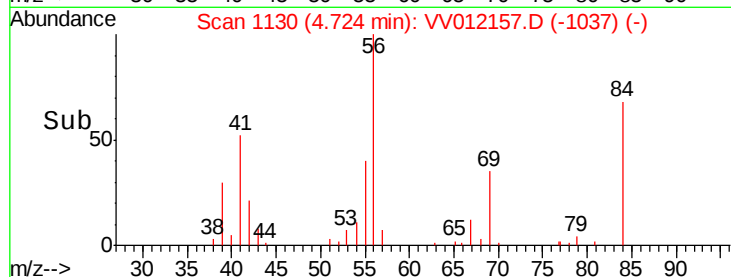
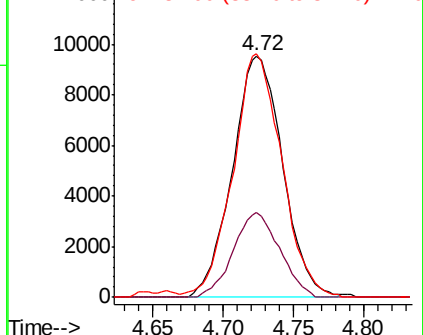
84 98.5 78.6 117.8



Abundance Ion 56.00 (55.70 to 56.70): VV0

Ion 69.00 (68.70 to 69.70): VV0

Ion 84.00 (83.70 to 84.70): VV0



#30

1,1,1-Trichloroethane

Concen: 9.394 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VV012157.D

Acq: 09 Aug 2019 17:31

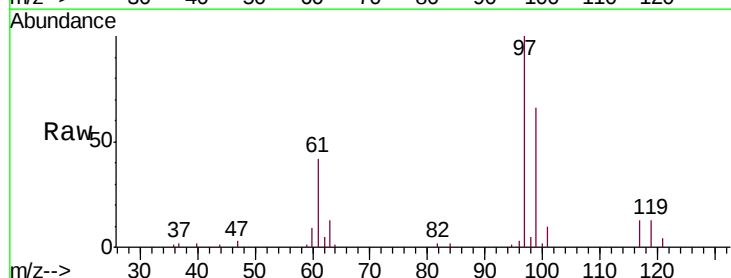
Tgt Ion: 97 Resp: 30137

Ion Ratio Lower Upper

97 100

99 65.2 51.5 77.3

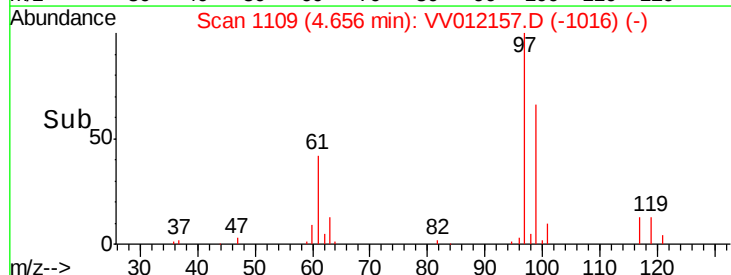
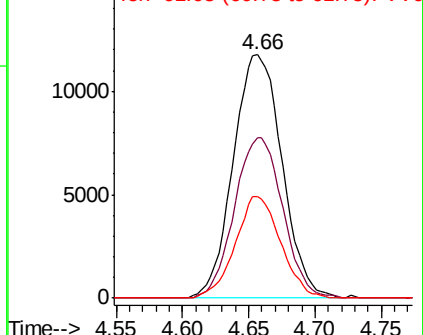
61 39.0 31.5 47.3

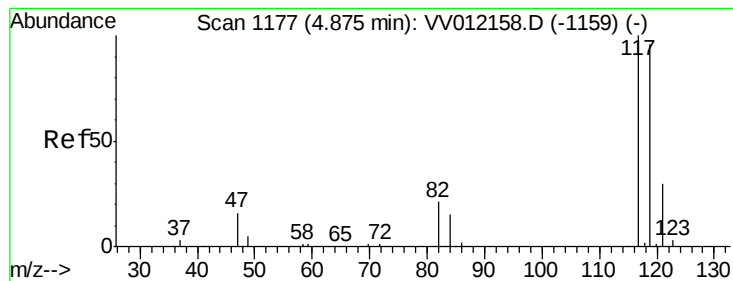


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 9.903 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VV012157.D

Acq: 09 Aug 2019 17:31

Instrument :

MSVOA_V

ClientSampleId :

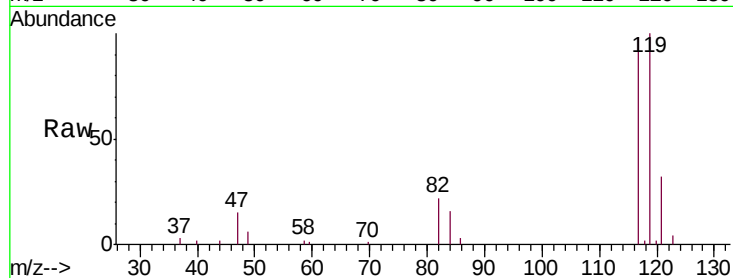
VSTD01065

Tgt Ion:117 Resp: 27931

Ion Ratio Lower Upper

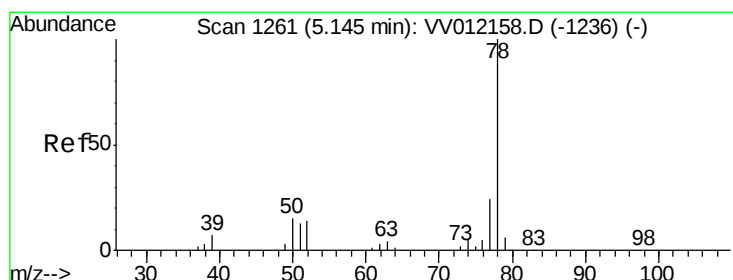
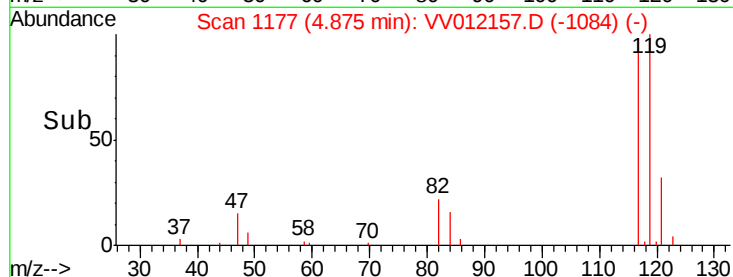
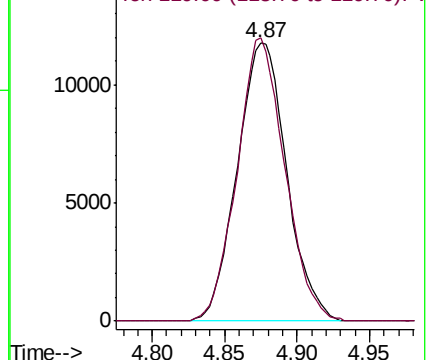
117 100

119 98.0 77.1 115.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 7.996 ug/L

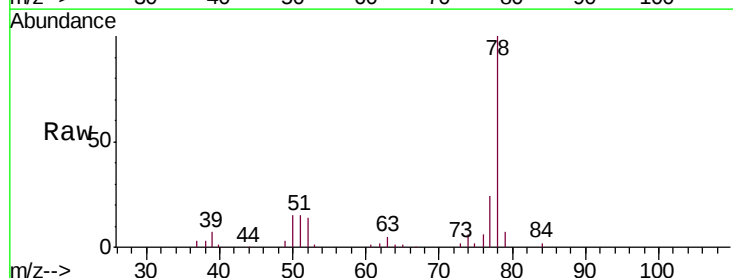
RT: 5.14 min Scan# 1261

Delta R.T. -0.00 min

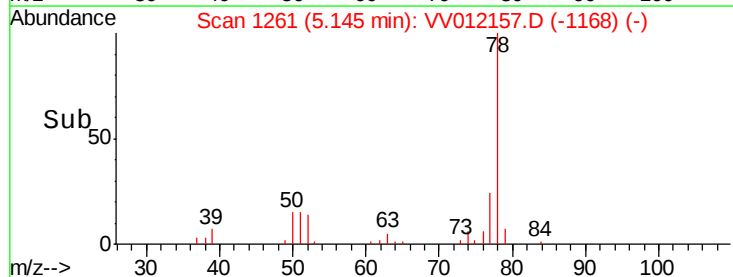
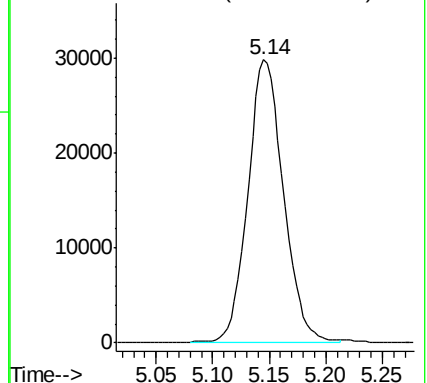
Lab File: VV012157.D

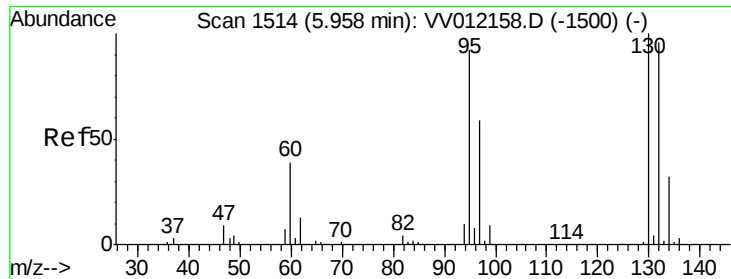
Acq: 09 Aug 2019 17:31

Tgt Ion: 78 Resp: 65506



Abundance Ion 78.00 (77.70 to 78.70): VV0

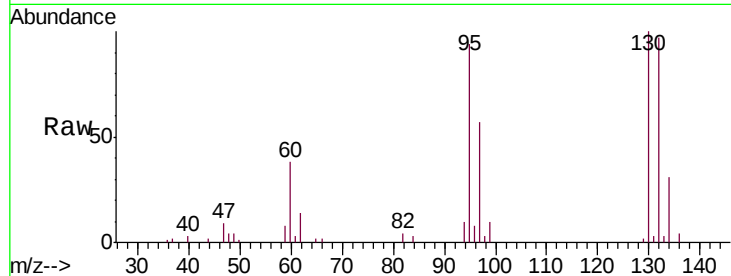




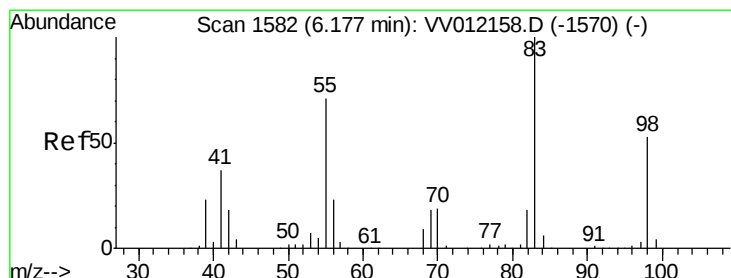
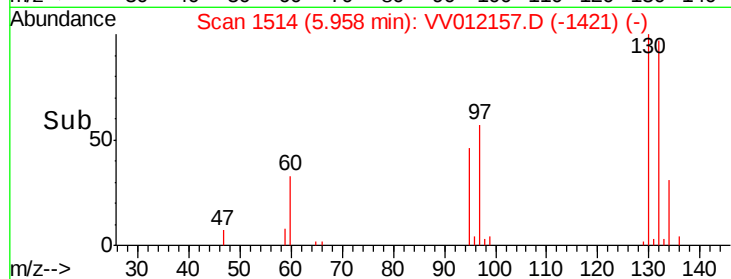
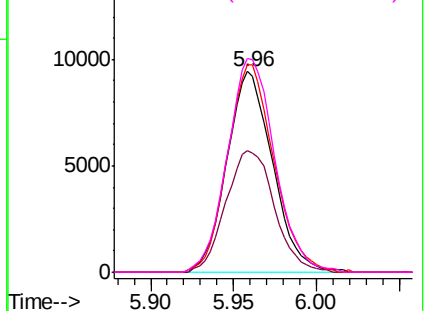
#34
 Trichloroethene
 Concen: 8.726 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. -0.00 min
 Lab File: VV012157.D
 Acq: 09 Aug 2019 17:31

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01065

Tgt Ion: 95 Resp: 18068
 Ion Ratio Lower Upper
 95 100
 97 60.9 44.7 83.1
 132 103.6 72.7 134.9
 130 106.5 75.9 141.1

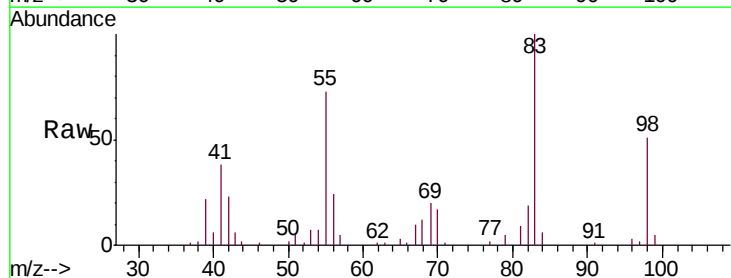


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

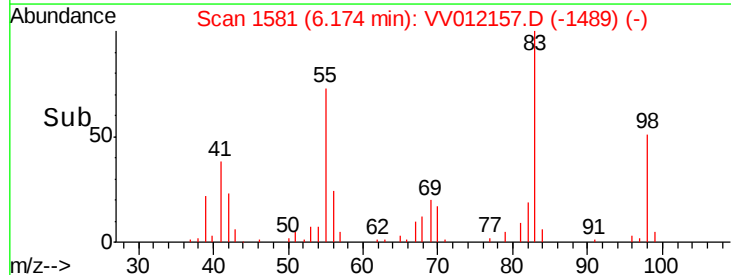
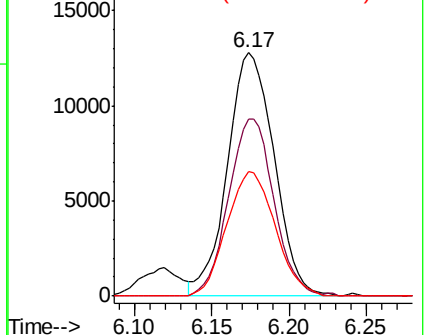


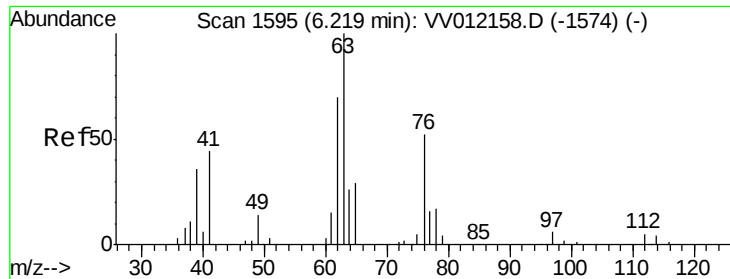
#35
 Methylcyclohexane
 Concen: 7.872 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: VV012157.D
 Acq: 09 Aug 2019 17:31

Tgt Ion: 83 Resp: 26814
 Ion Ratio Lower Upper
 83 100
 55 70.7 54.9 82.3
 98 52.9 40.7 61.1



Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 55.00 (54.70 to 55.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0

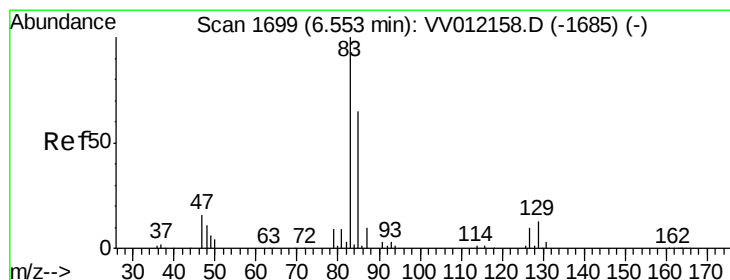
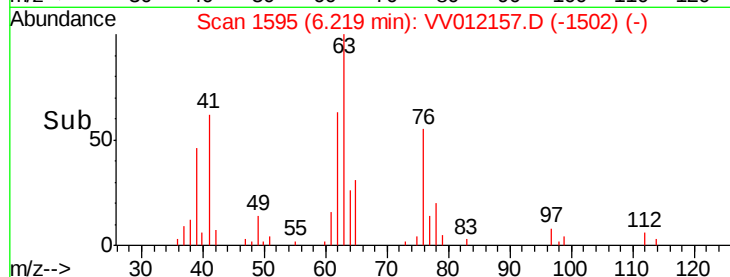
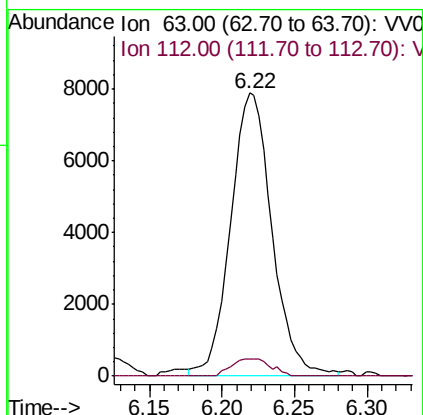
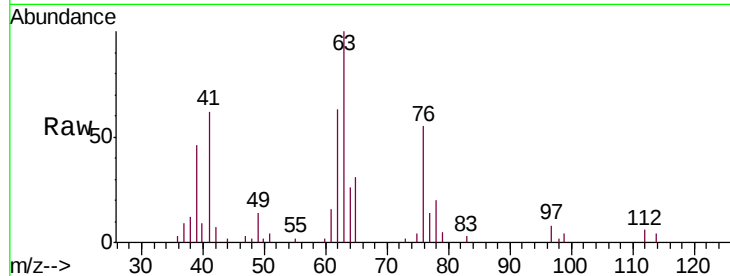




#37
 1,2-Dichloropropane
 Concen: 7.480 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VV012157.D
 Acq: 09 Aug 2019 17:31

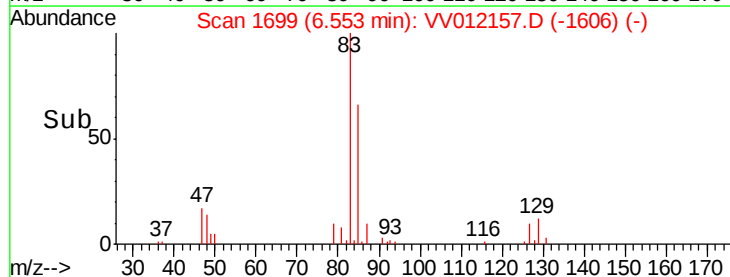
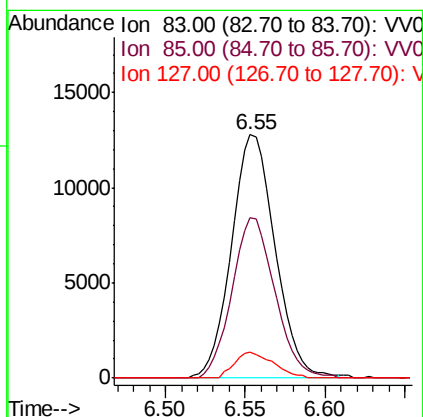
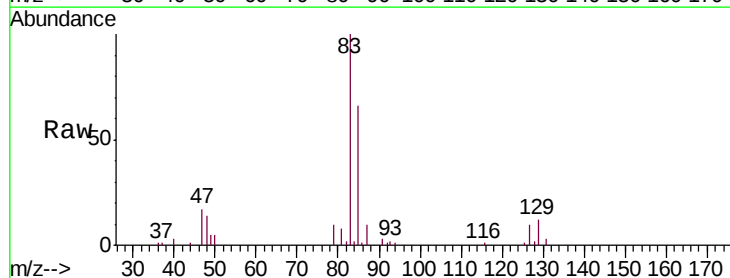
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01065

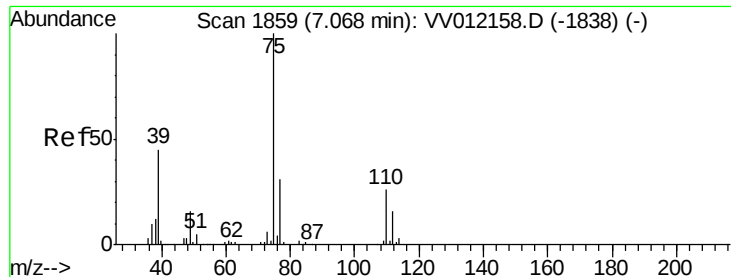
Tgt Ion: 63 Resp: 15615
 Ion Ratio Lower Upper
 63 100
 112 5.8 4.2 6.4



#38
 Bromodichloromethane
 Concen: 8.764 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VV012157.D
 Acq: 09 Aug 2019 17:31

Tgt Ion: 83 Resp: 23797
 Ion Ratio Lower Upper
 83 100
 85 65.8 45.5 84.5
 127 10.5 7.7 11.5

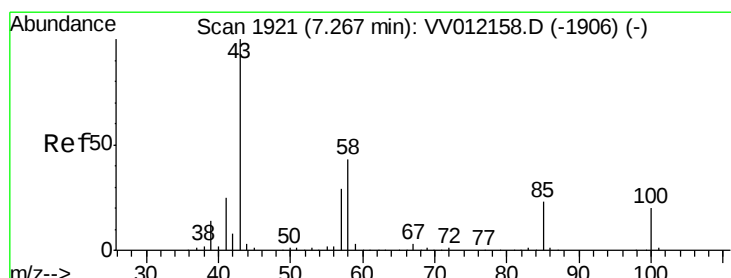
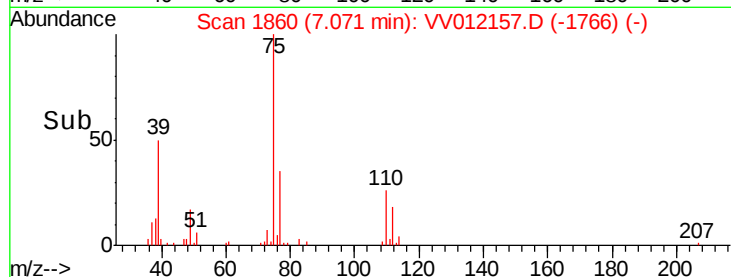
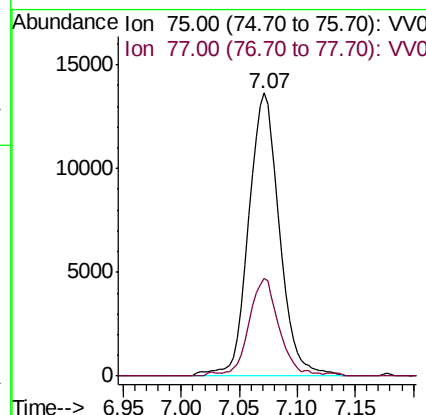
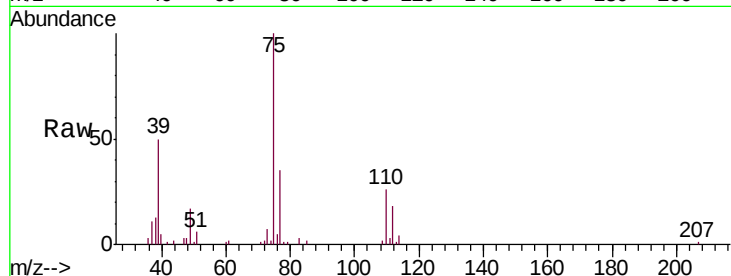




#39
 cis-1,3-Dichloropropene
 Concen: 8.283 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV012157.D
 Acq: 09 Aug 2019 17:31

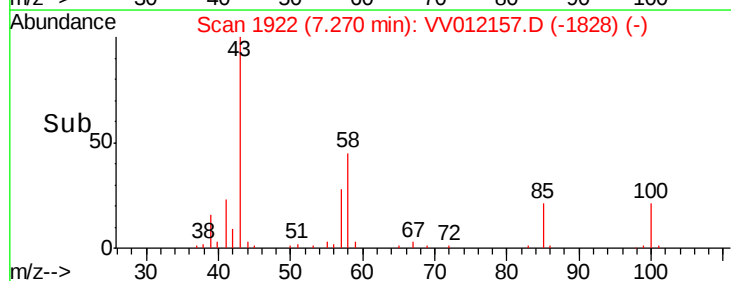
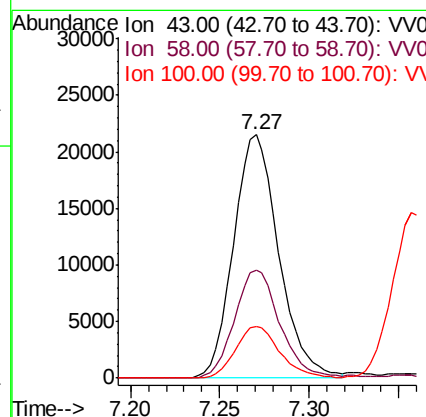
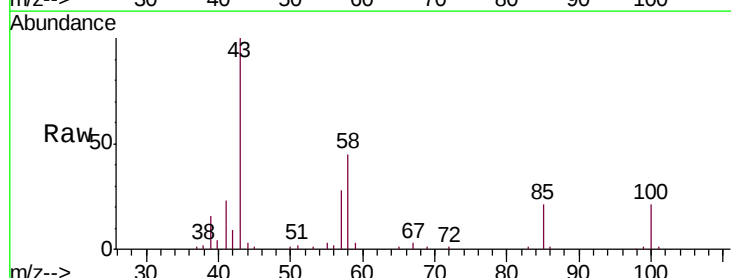
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01065

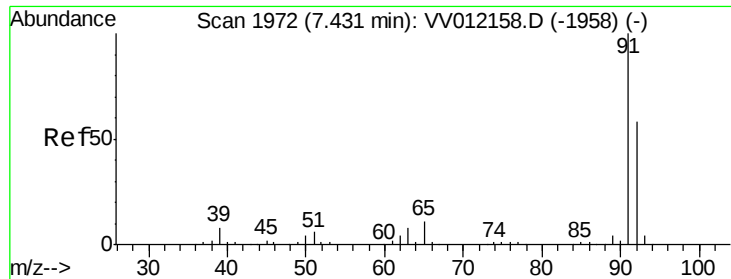
Tgt Ion: 75 Resp: 25377
 Ion Ratio Lower Upper
 75 100
 77 34.5 21.7 40.3



#40
 4-Methyl-2-pentanone
 Concen: 13.559 ug/L
 RT: 7.27 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VV012157.D
 Acq: 09 Aug 2019 17:31

Tgt Ion: 43 Resp: 38046
 Ion Ratio Lower Upper
 43 100
 58 44.4 34.7 52.1
 100 20.8 16.2 24.2





#42

Toluene

Concen: 7.733 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV012157.D

Acq: 09 Aug 2019 17:31

Instrument :

MSVOA_V

ClientSampleId :

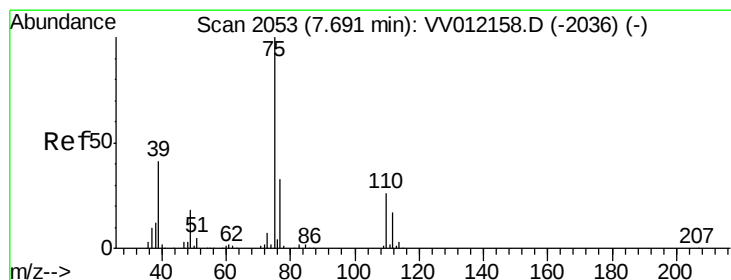
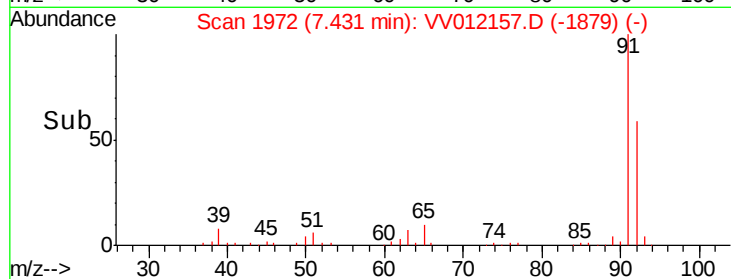
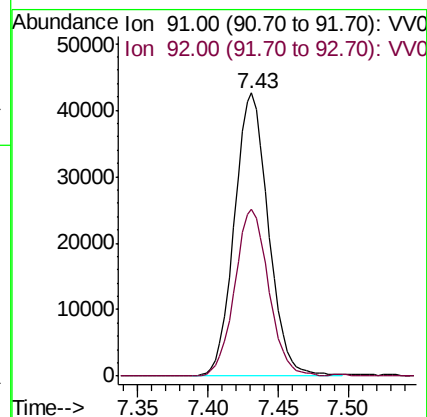
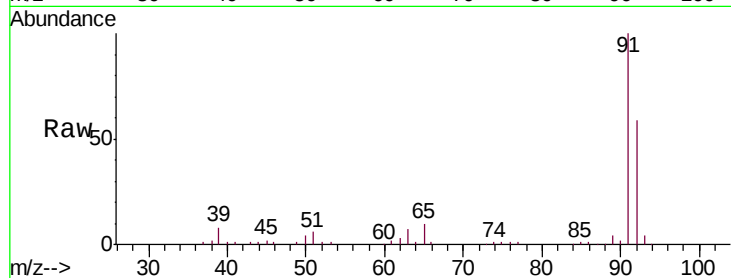
VSTD01065

Tgt Ion: 91 Resp: 71992

Ion Ratio Lower Upper

91 100

92 59.0 40.9 76.0



#44

trans-1,3-Dichloropropene

Concen: 7.855 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV012157.D

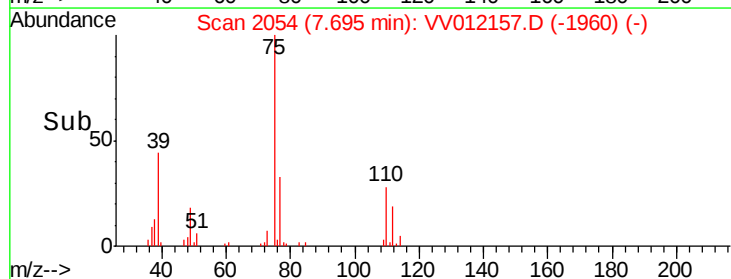
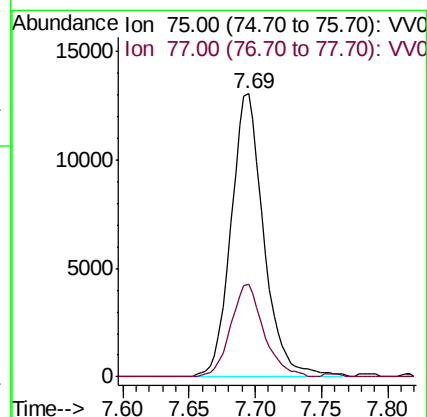
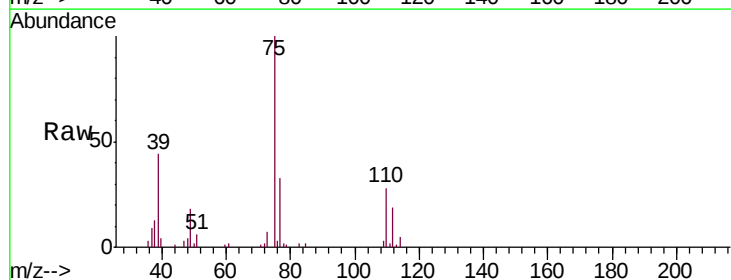
Acq: 09 Aug 2019 17:31

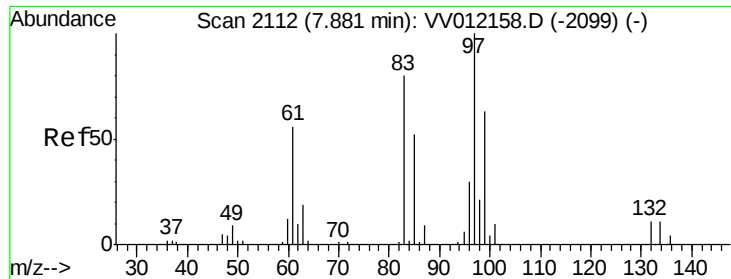
Tgt Ion: 75 Resp: 22476

Ion Ratio Lower Upper

75 100

77 32.6 22.7 42.3

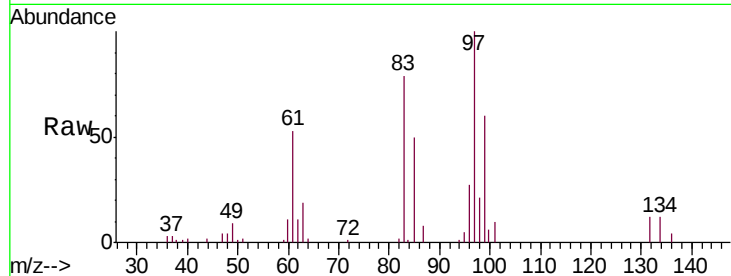




#45
 1,1,2-Trichloroethane
 Concen: 8.483 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VV012157.D
 Acq: 09 Aug 2019 17:31

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01065

Tgt Ion:	97	Resp:	17622
Ion	Ratio	Lower	Upper
97	100		
99	59.9	44.2	82.0
83	78.8	55.9	103.9
85	50.1	36.3	67.3



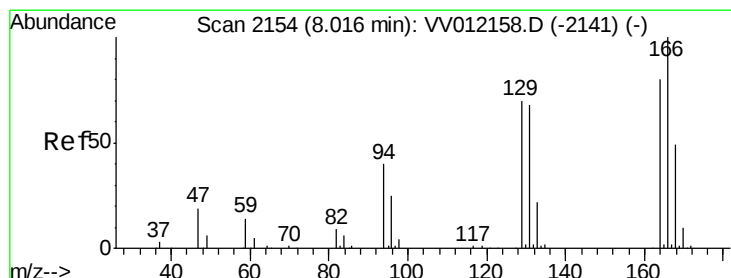
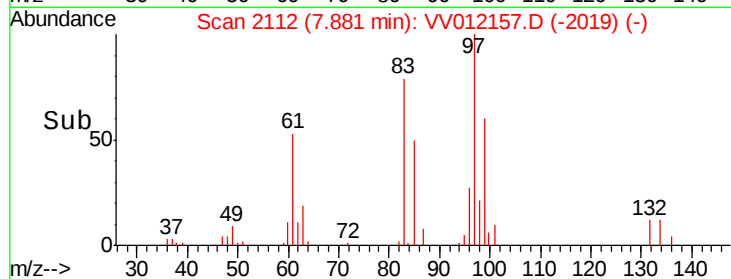
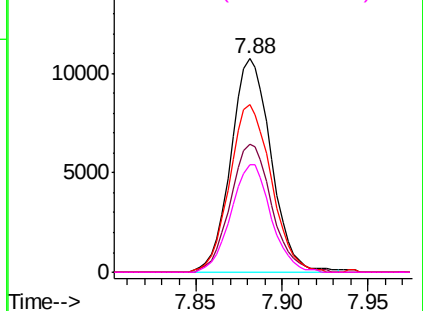
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

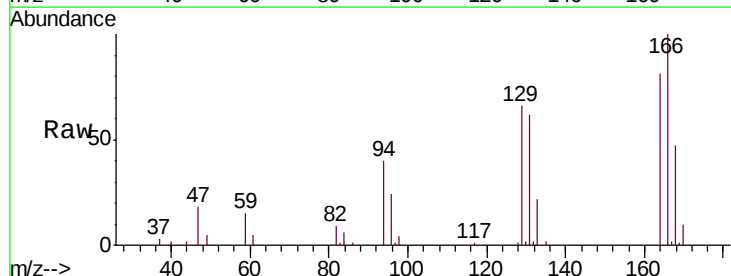
Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46
 Tetrachloroethene
 Concen: 9.960 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV012157.D
 Acq: 09 Aug 2019 17:31

Tgt Ion:	164	Resp:	17380
Ion	Ratio	Lower	Upper
164	100		
129	82.4	60.6	112.6
131	77.4	59.5	110.5
166	123.9	87.2	161.9



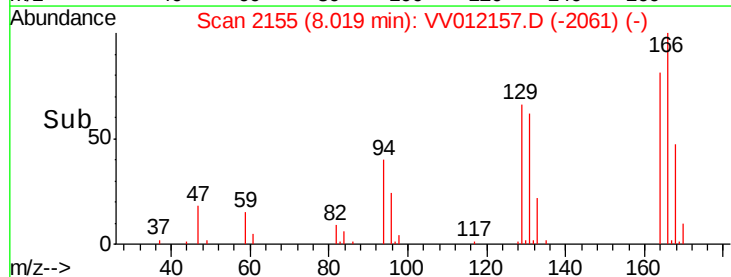
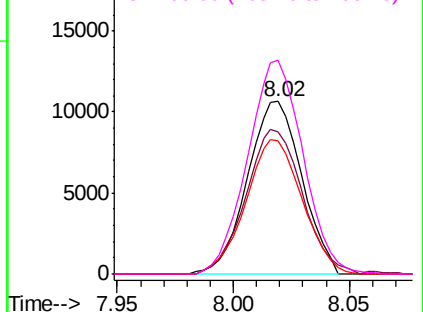
Abundance

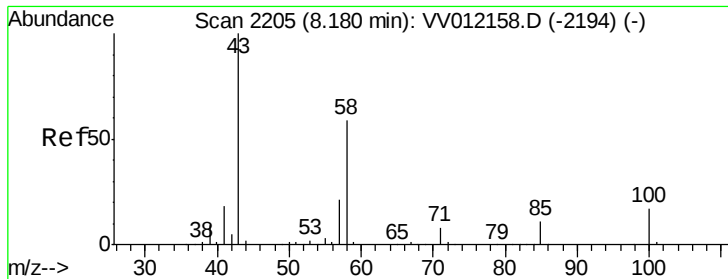
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

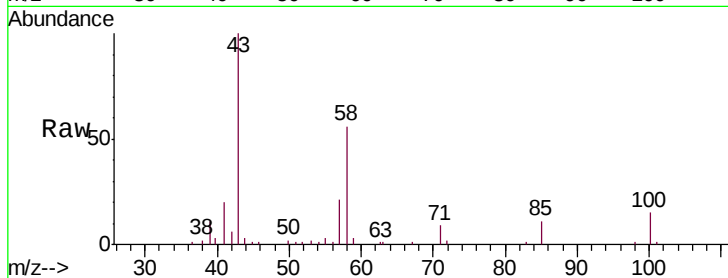




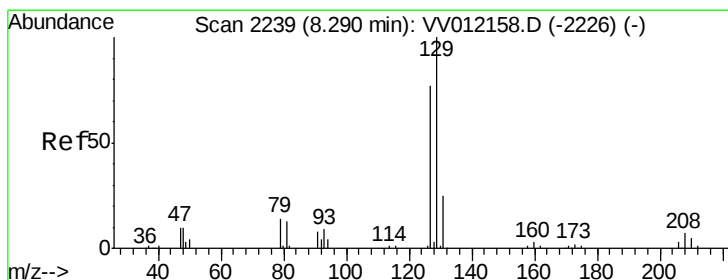
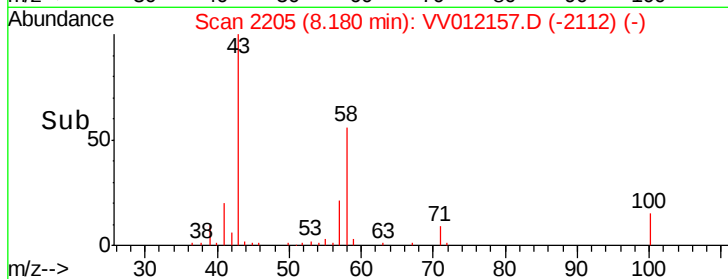
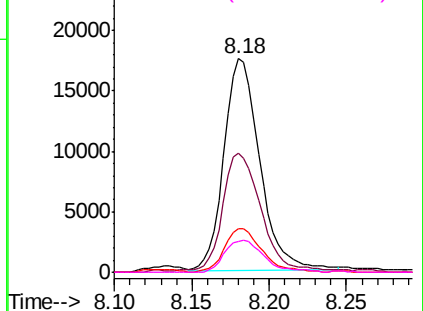
#48
2-Hexanone
Concen: 13.412 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. -0.00 min
Lab File: VV012157.D
Acq: 09 Aug 2019 17:31

Instrument :
MSVOA_V
ClientSampleId :
VSTD01065

Tgt Ion: 43 Resp: 28124
Ion Ratio Lower Upper
43 100
58 61.1 47.4 71.0
57 21.7 16.8 25.2
100 16.6 13.2 19.8

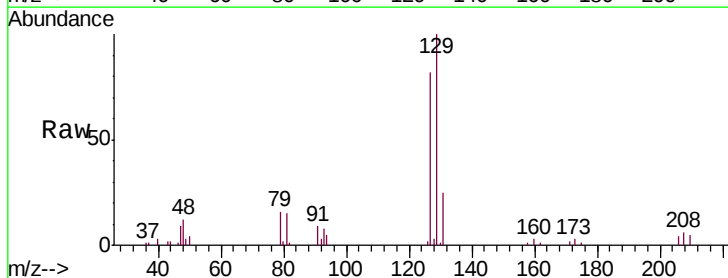


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

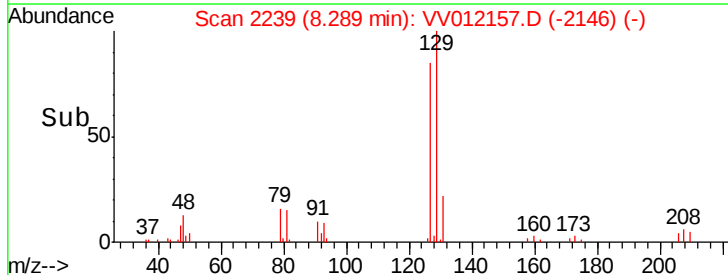
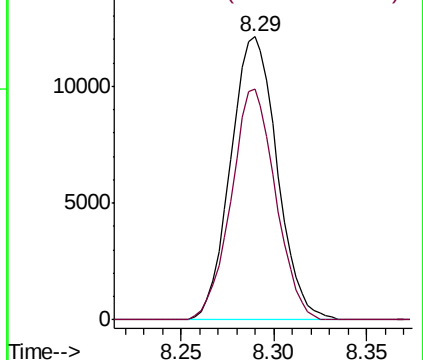


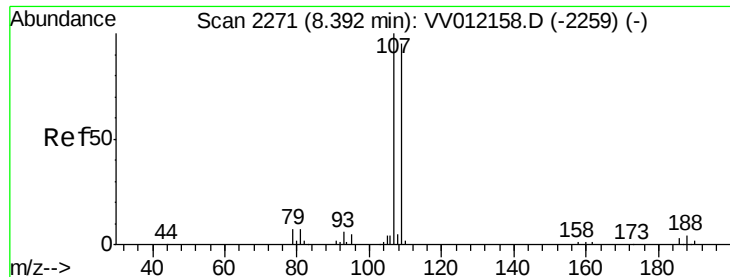
#49
Dibromochloromethane
Concen: 9.266 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV012157.D
Acq: 09 Aug 2019 17:31

Tgt Ion: 129 Resp: 21090
Ion Ratio Lower Upper
129 100
127 81.6 53.8 99.8



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

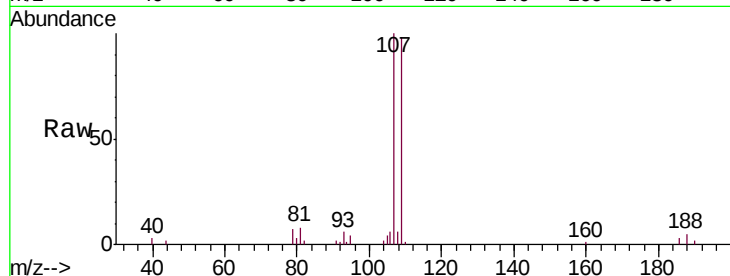




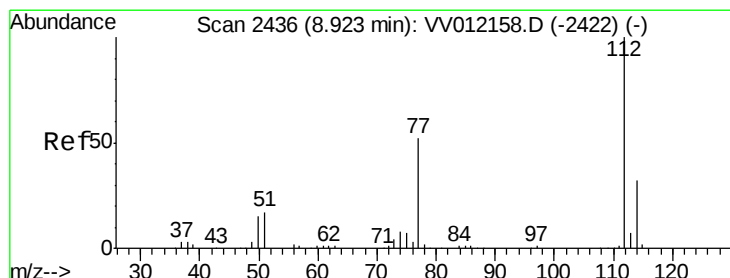
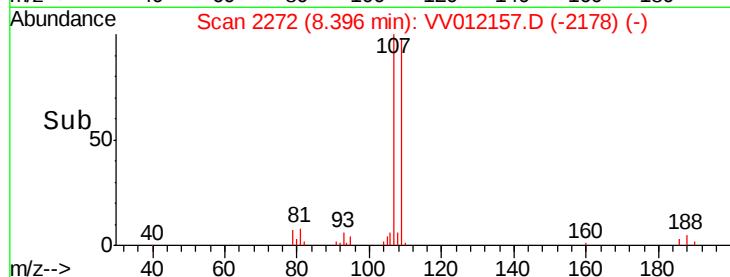
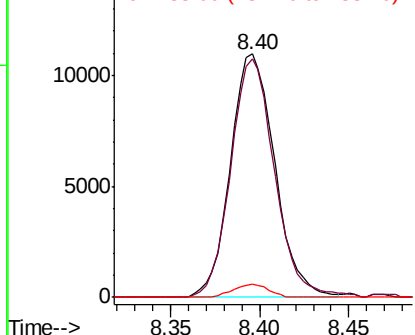
#50
1,2-Dibromoethane
Concen: 8.558 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV012157.D
Acq: 09 Aug 2019 17:31

Instrument :
MSVOA_V
ClientSampleId :
VSTD01065

Tgt Ion:107 Resp: 18973
Ion Ratio Lower Upper
107 100
109 97.7 66.8 124.0
188 5.2 3.5 5.3

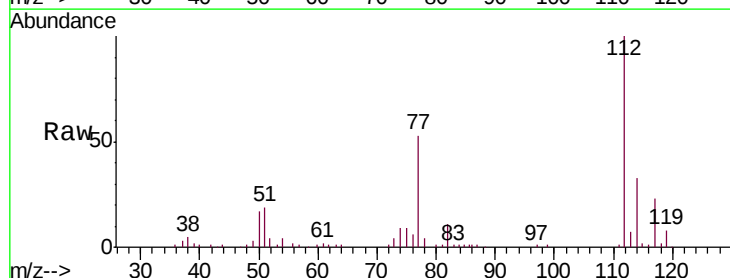


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

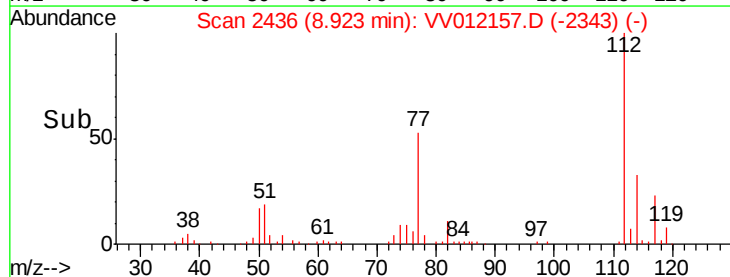
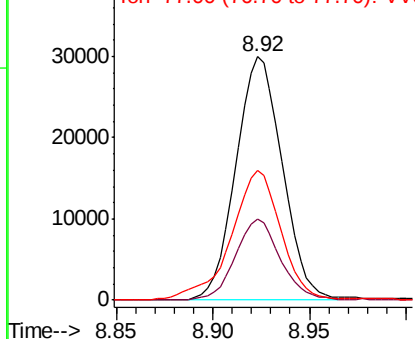


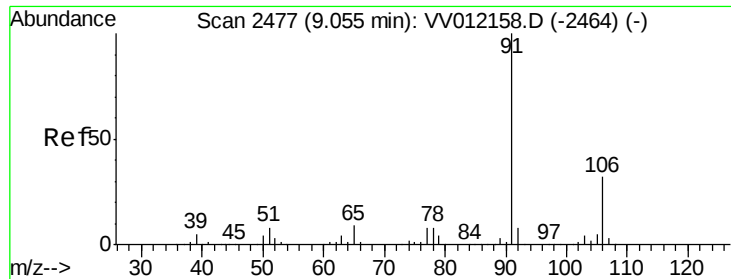
#51
Chlorobenzene
Concen: 8.054 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. -0.00 min
Lab File: VV012157.D
Acq: 09 Aug 2019 17:31

Tgt Ion:112 Resp: 50100
Ion Ratio Lower Upper
112 100
114 33.2 22.3 41.5
77 53.2 41.5 62.3



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 7.507 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV012157.D

Acq: 09 Aug 2019 17:31

Instrument :

MSVOA_V

ClientSampleId :

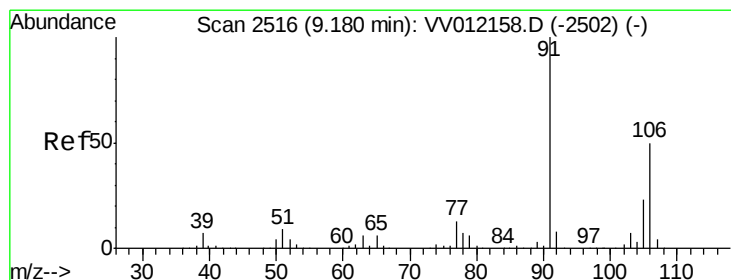
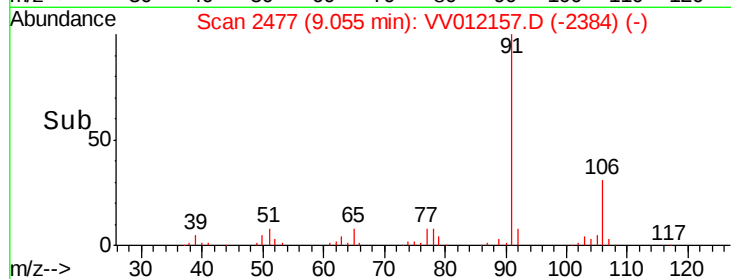
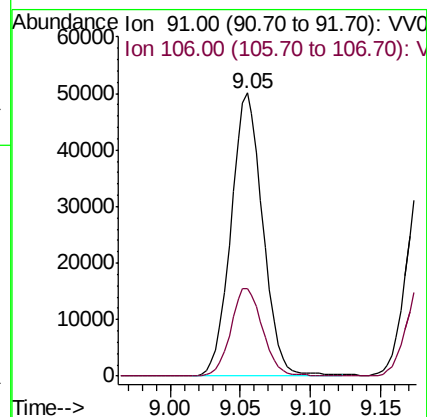
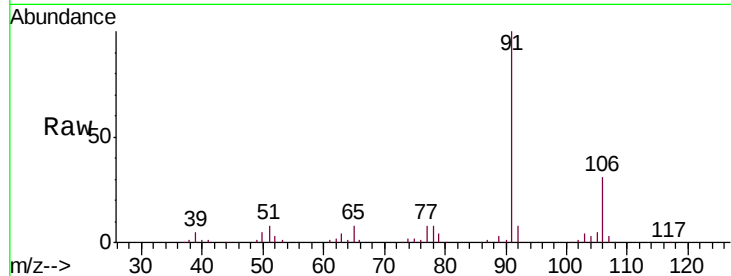
VSTD01065

Tgt Ion: 91 Resp: 78906

Ion Ratio Lower Upper

91 100

106 31.1 22.6 42.0



#53

m,p-Xylene

Concen: 7.203 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV012157.D

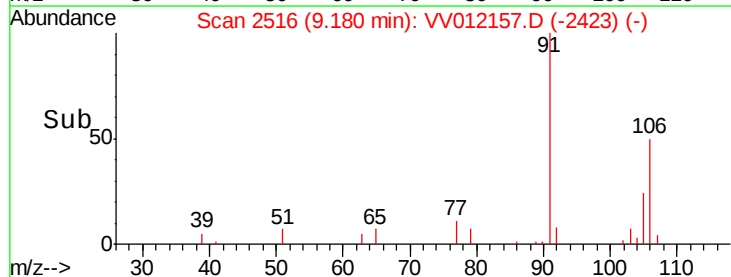
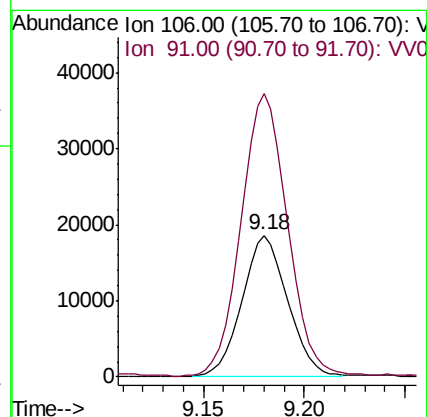
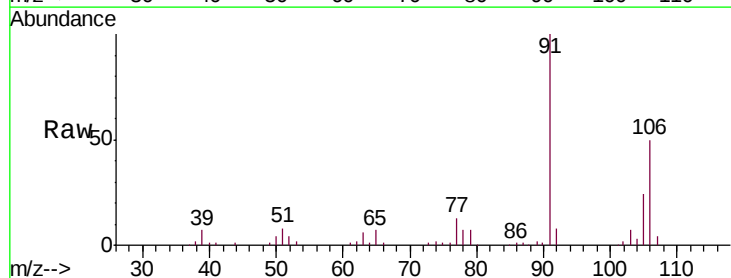
Acq: 09 Aug 2019 17:31

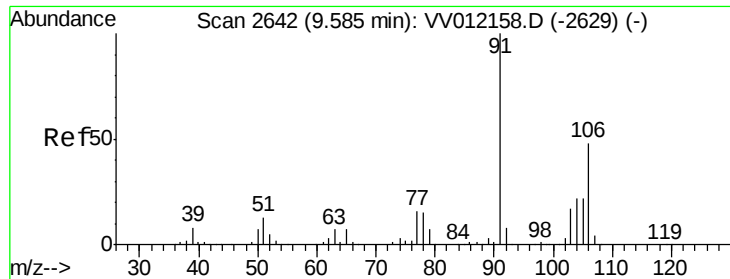
Tgt Ion: 106 Resp: 29560

Ion Ratio Lower Upper

106 100

91 199.8 140.6 261.2





#54

o-xylene

Concen: 7.192 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. -0.00 min

Lab File: VV012157.D

Acq: 09 Aug 2019 17:31

Instrument :

MSVOA_V

ClientSampleId :

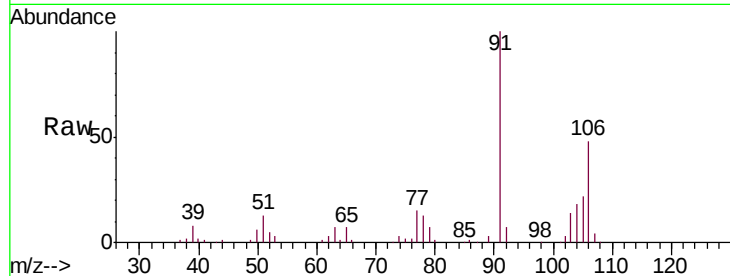
VSTD01065

Tgt Ion:106 Resp: 29985

Ion Ratio Lower Upper

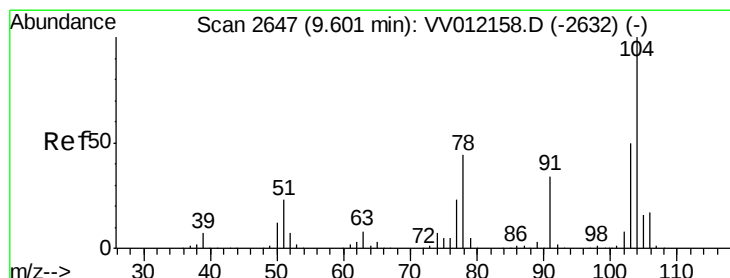
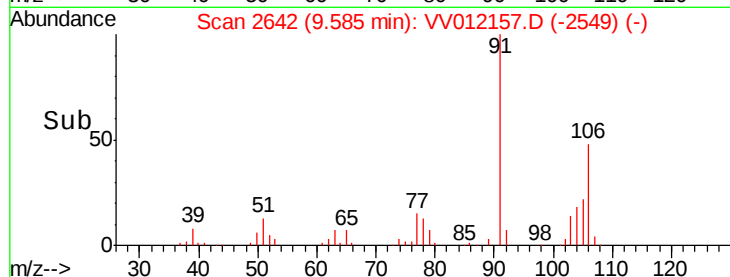
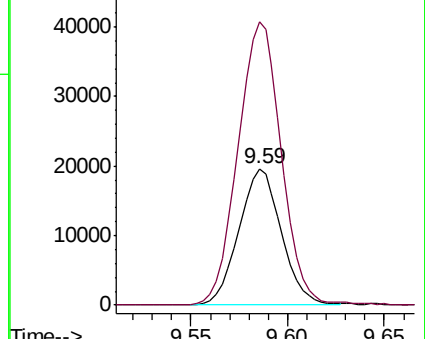
106 100

91 207.0 146.3 271.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 7.257 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. -0.00 min

Lab File: VV012157.D

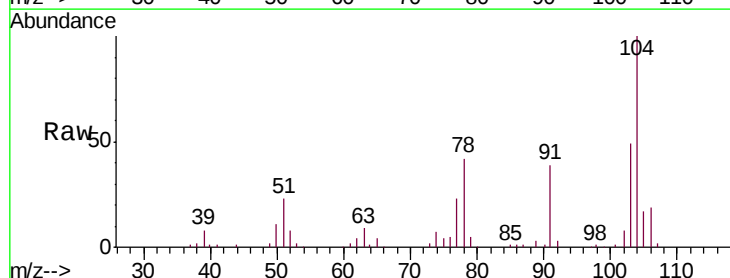
Acq: 09 Aug 2019 17:31

Tgt Ion:104 Resp: 50256

Ion Ratio Lower Upper

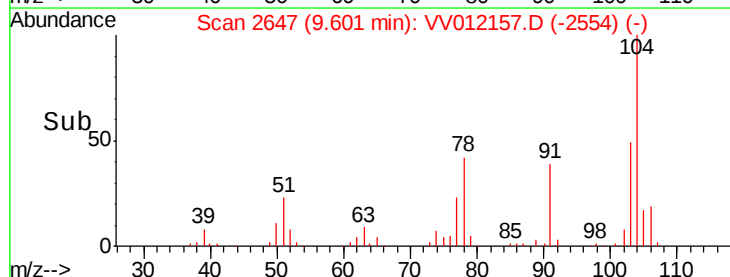
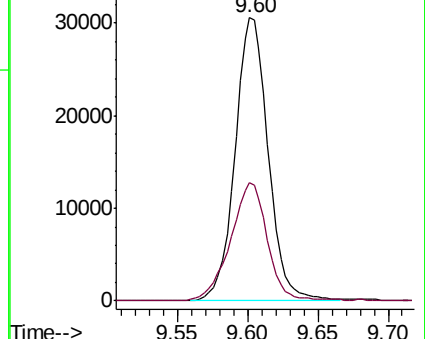
104 100

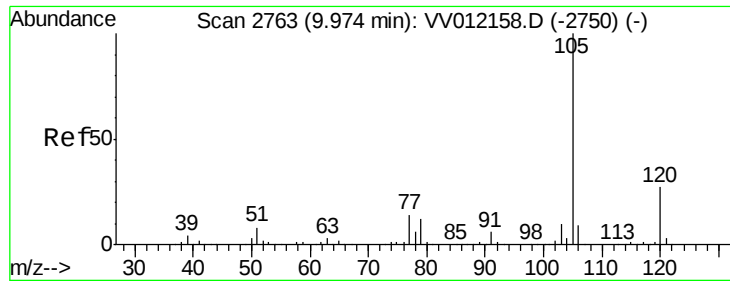
78 41.8 30.7 56.9



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 7.356 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV012157.D

Acq: 09 Aug 2019 17:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD01065

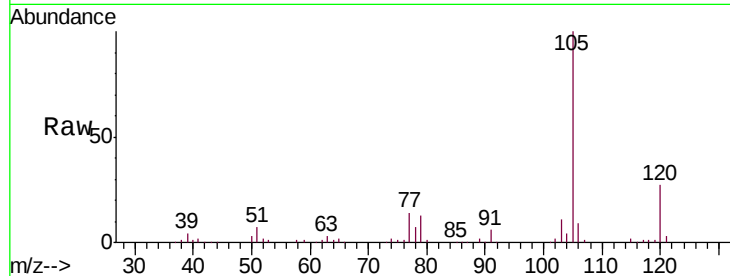
Tgt Ion: 105 Resp: 78750

Ion Ratio Lower Upper

105 100

120 27.3 21.4 32.0

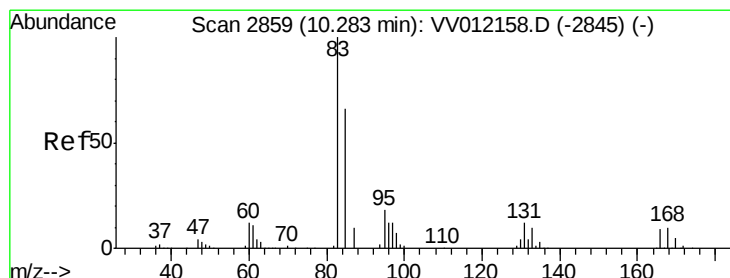
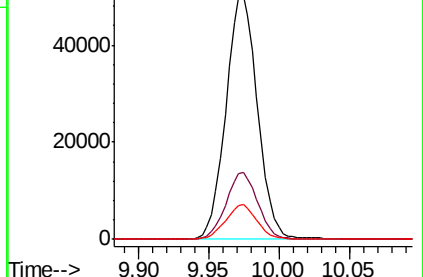
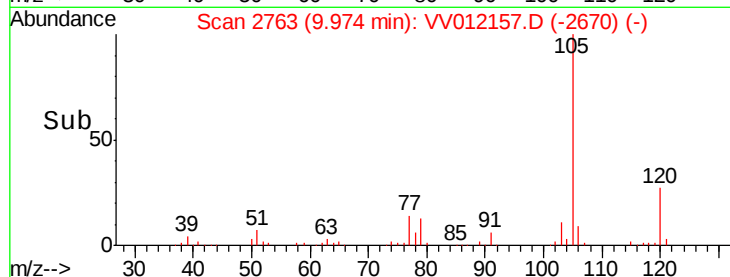
77 14.0 11.4 17.0



Abundance Ion 105.00 (104.70 to 105.70): VV012157.D (-2670) (-)

Ion 120.00 (119.70 to 120.70): VV012157.D (-2670) (-)

Ion 77.00 (76.70 to 77.70): VV012157.D (-2670) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 7.145 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV012157.D

Acq: 09 Aug 2019 17:31

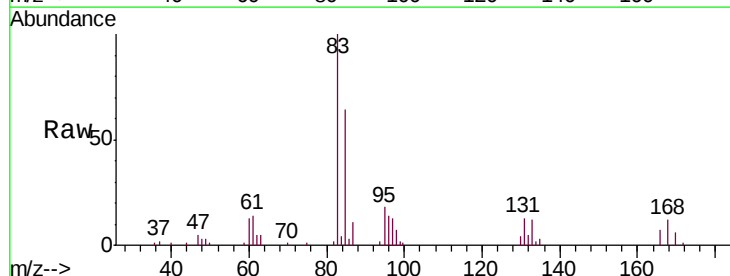
Tgt Ion: 83 Resp: 26290

Ion Ratio Lower Upper

83 100

85 64.2 46.3 85.9

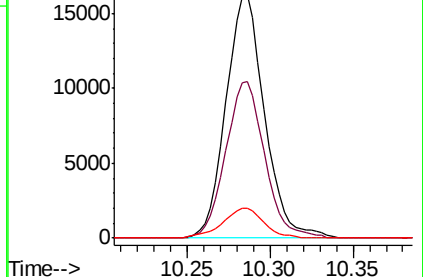
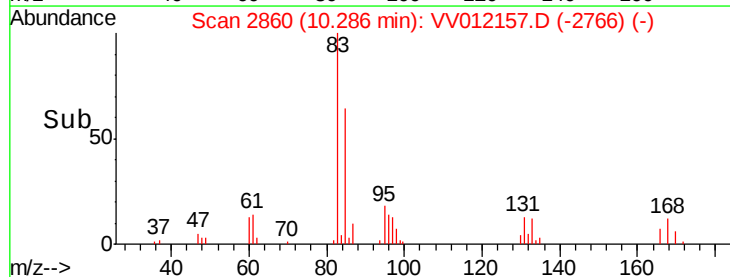
131 12.5 9.8 14.6

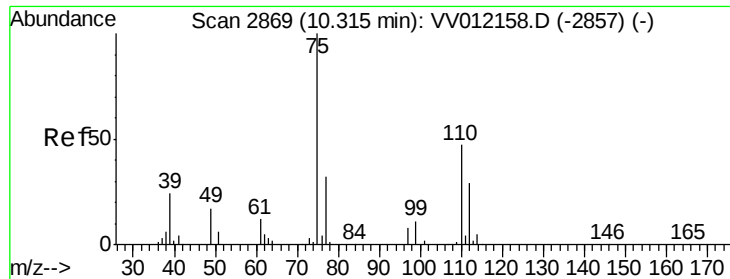


Abundance Ion 83.00 (82.70 to 83.70): VV012157.D (-2766) (-)

Ion 85.00 (84.70 to 85.70): VV012157.D (-2766) (-)

Ion 131.00 (130.70 to 131.70): VV012157.D (-2766) (-)





#59

1,2,3-Trichloropropane

Concen: 7.469 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. -0.00 min

Lab File: VV012157.D

Acq: 09 Aug 2019 17:31

Instrument :

MSVOA_V

ClientSampleId :

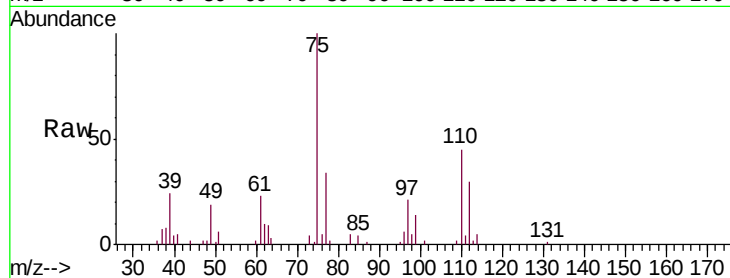
VSTD01065

Tgt Ion: 75 Resp: 20999

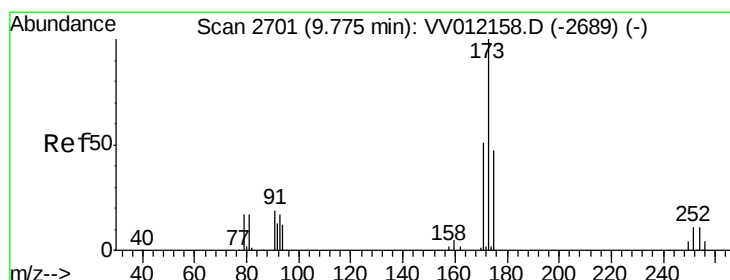
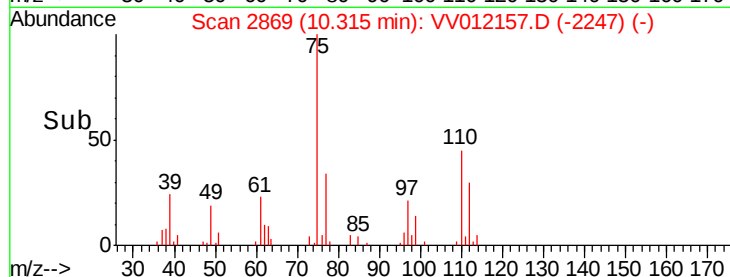
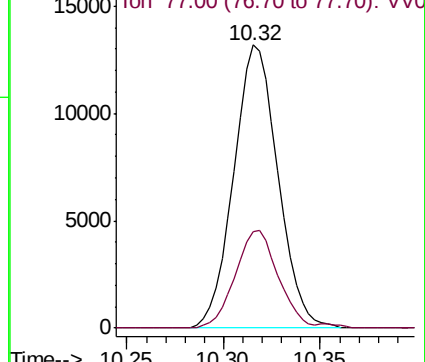
Ion Ratio Lower Upper

75 100

77 33.4 26.3 39.5



Abundance Ion 75.00 (74.70 to 75.70): VV012157.D (-2857) (-)



#61

Bromoform

Concen: 9.413 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VV012157.D

Acq: 09 Aug 2019 17:31

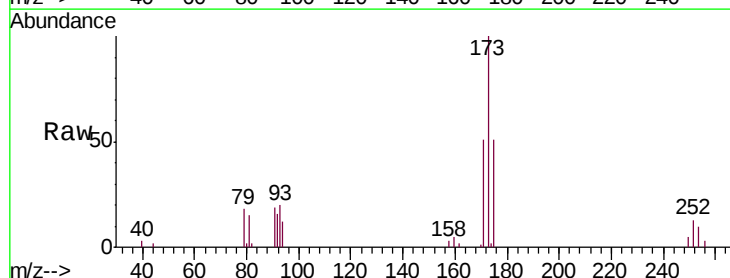
Tgt Ion: 173 Resp: 15844

Ion Ratio Lower Upper

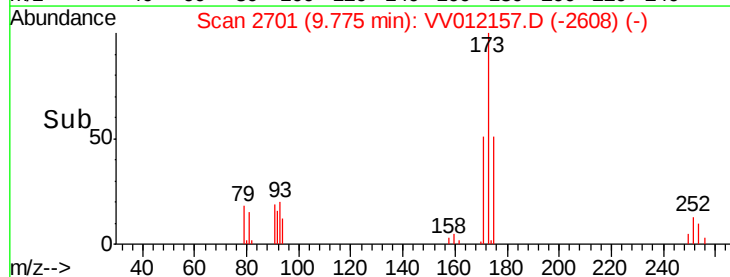
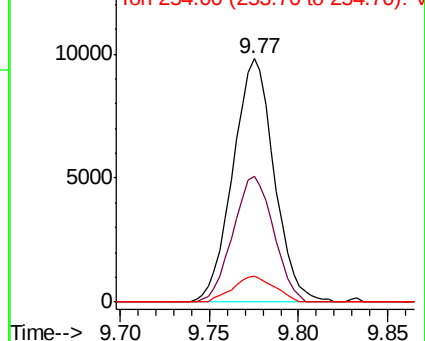
173 100

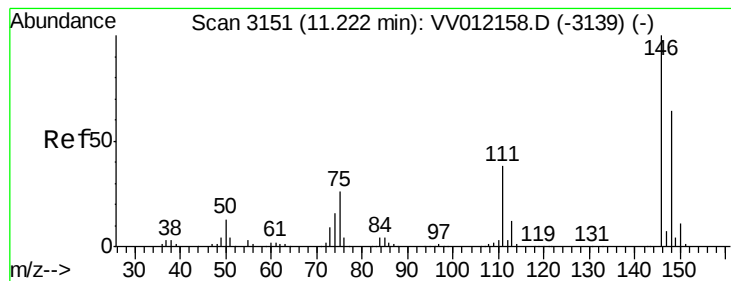
175 50.7 38.1 57.1

254 10.7 8.5 12.7



Abundance Ion 173.00 (172.70 to 173.70): VV012157.D (-2689) (-)





#62

1,3-Dichlorobenzene

Concen: 8.253 ug/L

RT: 11.23 min Scan# 3152

Delta R.T. 0.00 min

Lab File: VV012157.D

Acq: 09 Aug 2019 17:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD01065

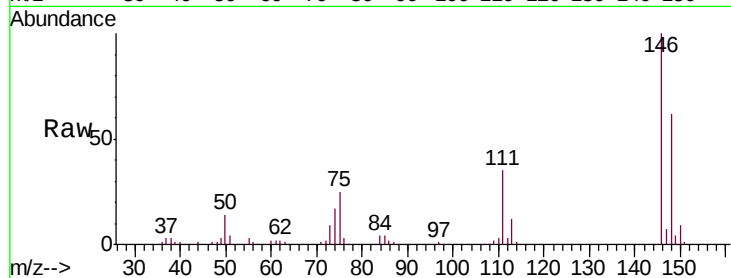
Tgt Ion:146 Resp: 40196

Ion Ratio Lower Upper

146 100

111 35.1 26.3 48.9

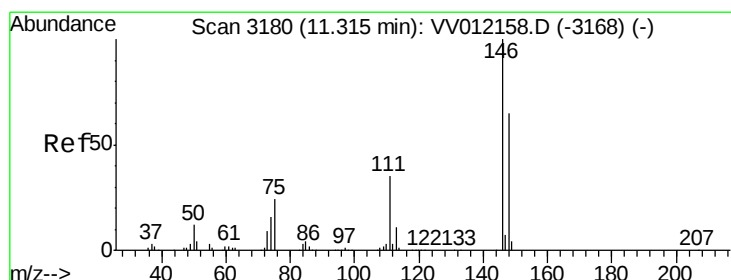
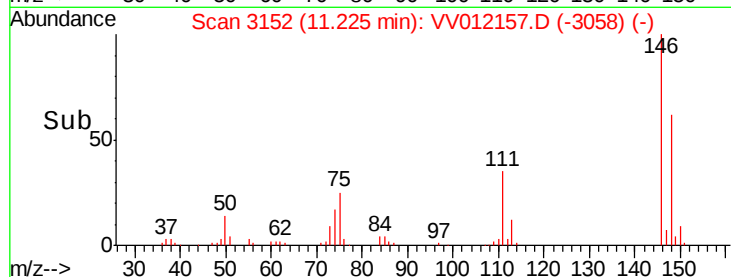
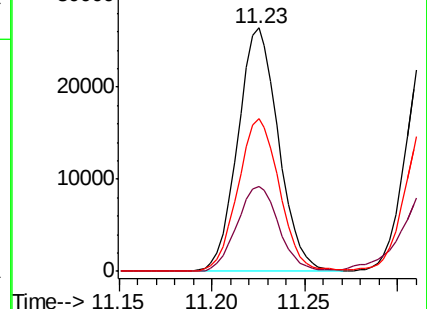
148 62.5 44.9 83.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 7.989 ug/L

RT: 11.32 min Scan# 3180

Delta R.T. -0.00 min

Lab File: VV012157.D

Acq: 09 Aug 2019 17:31

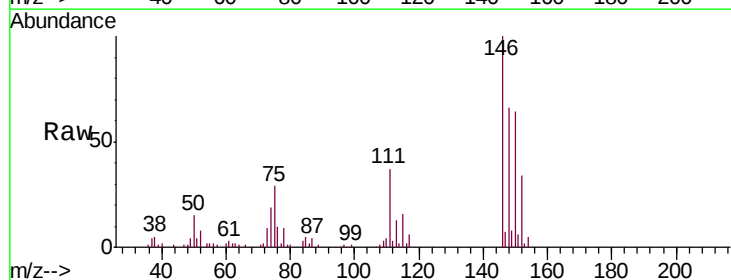
Tgt Ion:146 Resp: 40287

Ion Ratio Lower Upper

146 100

111 37.0 24.8 46.1

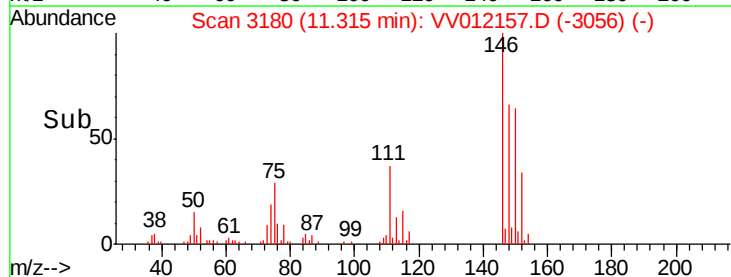
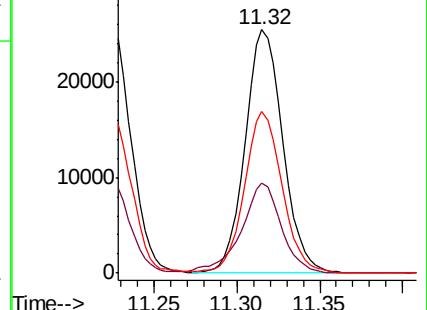
148 66.3 45.6 84.6

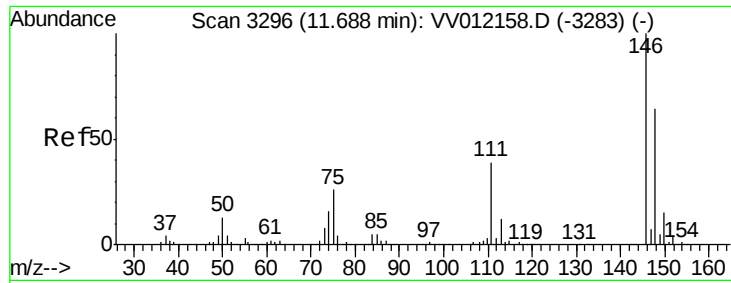


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 7.886 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. -0.00 min

Lab File: VV012157.D

Acq: 09 Aug 2019 17:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD01065

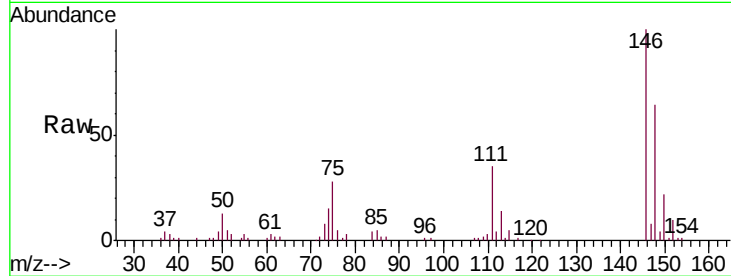
Tgt Ion:146 Resp: 40266

Ion Ratio Lower Upper

146 100

111 35.1 31.2 46.8

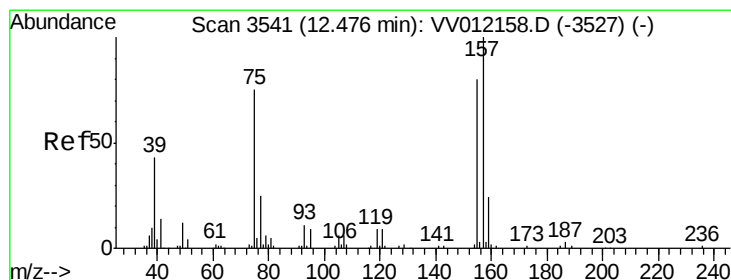
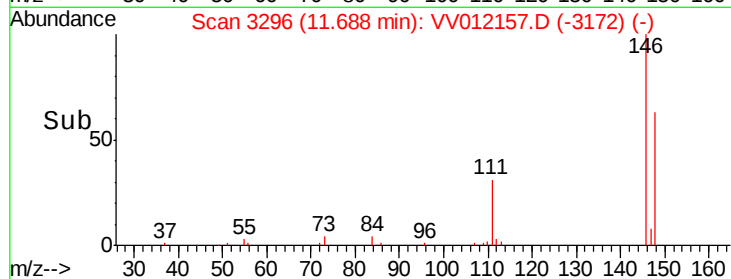
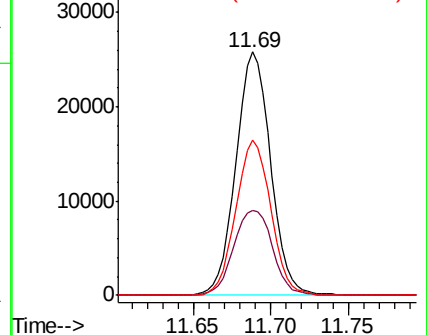
148 63.6 51.1 76.7



Abundance Ion 146.00 (145.70 to 146.70): 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: 9.009 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. -0.00 min

Lab File: VV012157.D

Acq: 09 Aug 2019 17:31

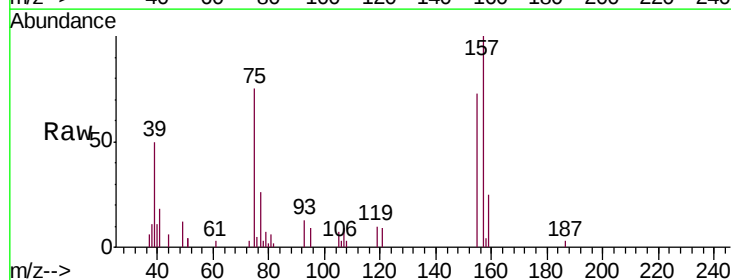
Tgt Ion: 75 Resp: 6067

Ion Ratio Lower Upper

75 100

155 96.5 85.7 128.5

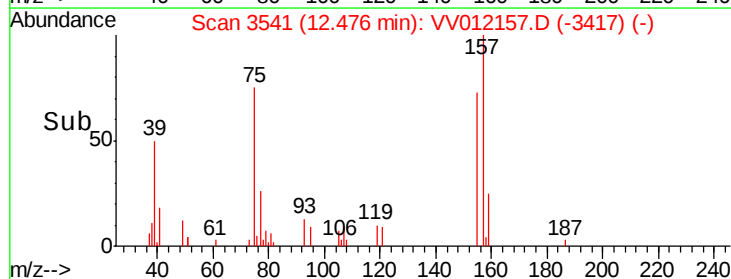
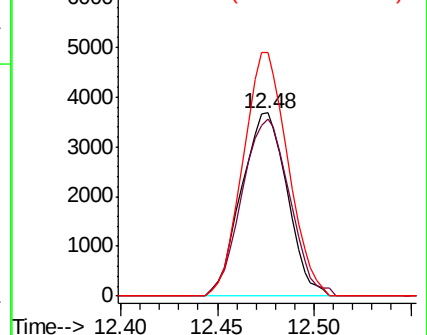
157 132.6 106.5 159.7

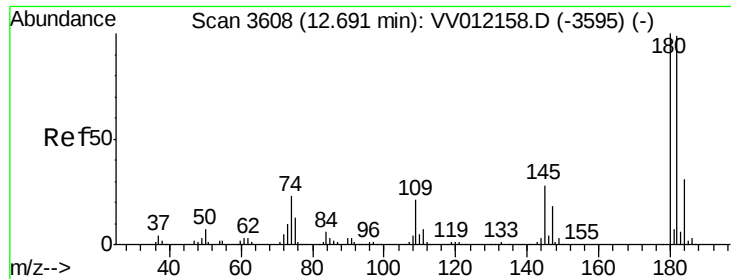


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

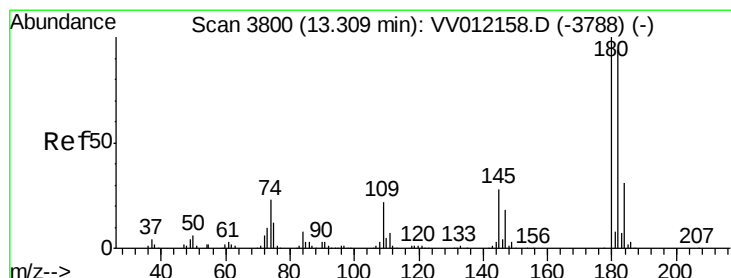
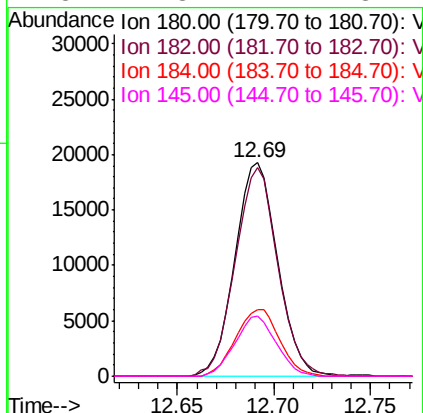
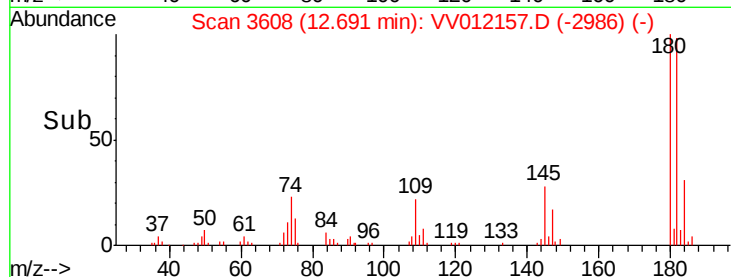
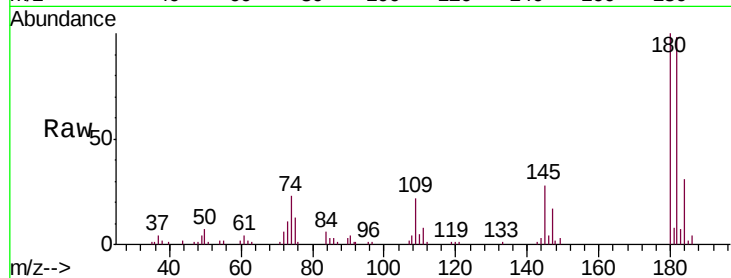




#67
 1,3,5-Trichlorobenzene
 Concen: 8.759 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. -0.00 min
 Lab File: VV012157.D
 Acq: 09 Aug 2019 17:31

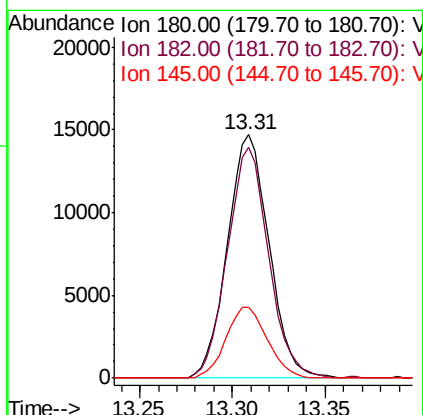
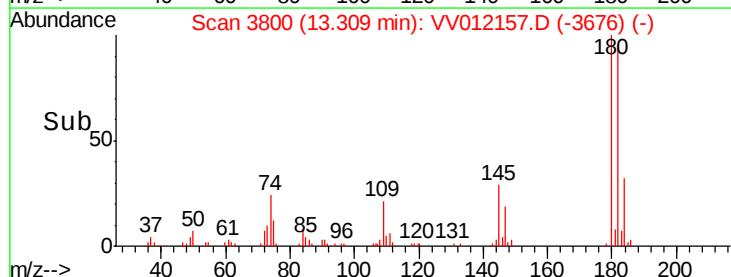
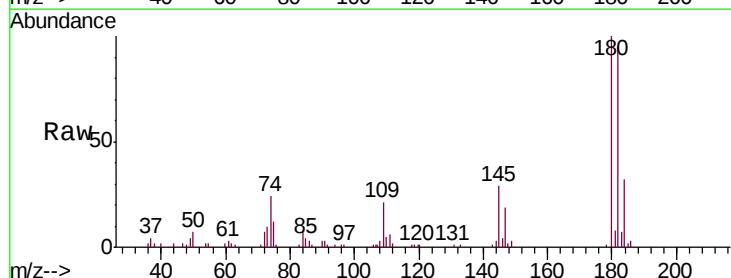
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01065

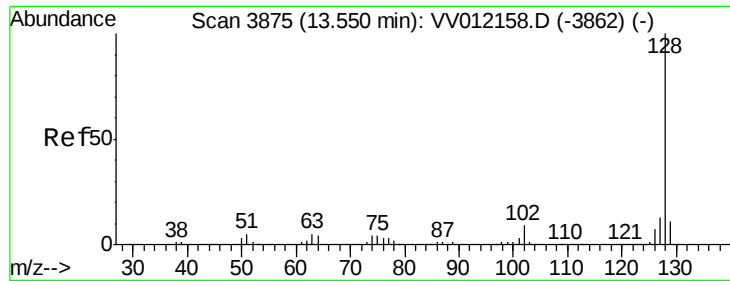
Tgt Ion:	180	Resp:	29552
Ion	Ratio	Lower	Upper
180	100		
182	97.5	77.8	116.6
184	32.2	24.9	37.3
145	27.3	22.7	34.1



#68
 1,2,4-trichlorobenzene
 Concen: 8.393 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. -0.00 min
 Lab File: VV012157.D
 Acq: 09 Aug 2019 17:31

Tgt Ion:	180	Resp:	22954
Ion	Ratio	Lower	Upper
180	100		
182	93.4	75.3	112.9
145	28.9	23.0	34.4





#69

Naphthalene

Concen: 7.820 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. -0.00 min

Lab File: VV012157.D

Acq: 09 Aug 2019 17:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD01065

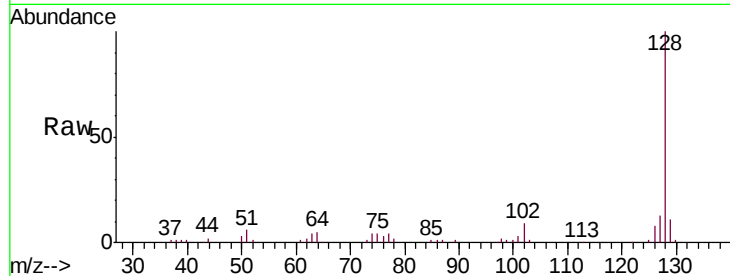
Tgt Ion:128 Resp: 57004

Ion Ratio Lower Upper

128 100

127 13.6 10.3 15.5

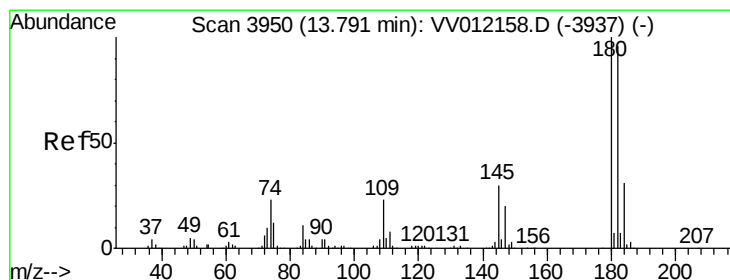
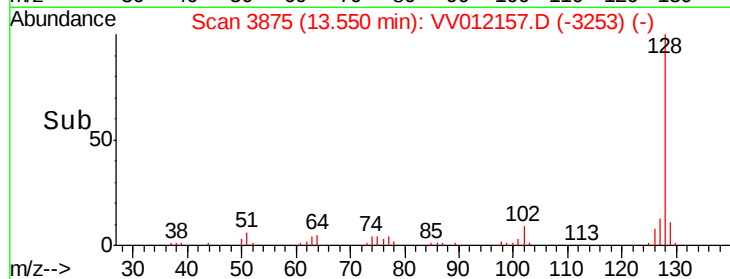
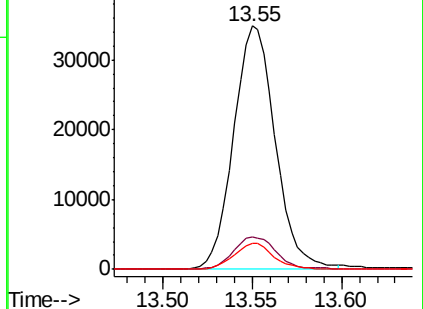
129 10.4 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 8.722 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. -0.00 min

Lab File: VV012157.D

Acq: 09 Aug 2019 17:31

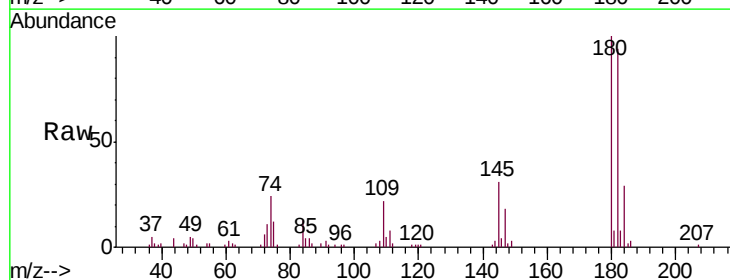
Tgt Ion:180 Resp: 24158

Ion Ratio Lower Upper

180 100

182 98.0 77.3 115.9

145 31.6 24.9 37.3



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

