

Data File : VV012502.D
Acq On : 01 Sep 2019 11:46
Operator : SY/MD
Sample : VSTD00562
Misc : 5mL/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00562

Quant Time: Sep 02 02:50:48 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090119WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Sep 02 02:48:11 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	301327	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	290746	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	120775	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	9851	4.81	ug/L	0.00
7) Chloroethane-d5	1.58	69	10426	4.61	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.14	63	26300	4.75	ug/L	0.00
21) 2-Butanone-d5	3.96	46	4407	2.66	ug/L	0.02
24) Chloroform-d	4.48	84	82	0.02	ug/L	0.08
26) 1,2-Dichloroethane-d4	5.08	65	12355	4.62	ug/L	0.00
32) Benzene-d6	5.10	84	31384	4.42	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	12002	4.81	ug/L	0.00
41) Toluene-d8	7.36	98	26983	4.05	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	4741	4.09	ug/L	0.00
47) 2-Hexanone-d5	8.14	63	5589	5.66	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	15542	4.40	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	11042	4.60	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	12476	5.166 ug/L	97
3) Chloromethane	1.25	50	16328	5.288 ug/L	92
5) Vinyl chloride	1.32	62	16911	5.245 ug/L	99
6) Bromomethane	1.54	94	11091	4.244 ug/L	96
8) Chloroethane	1.60	64	11832	5.002 ug/L	95
9) Trichlorofluoromethane	1.77	101	23887	4.889 ug/L	92
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	14557	5.159 ug/L	97
12) 1,1-Dichloroethene	2.14	96	13144	4.834 ug/L	92
13) Acetone	2.20	43	18223	10.340 ug/L	99
14) Carbon disulfide	2.32	76	28541	4.860 ug/L	99
15) Methyl Acetate	2.47	43	12256	4.742 ug/L	94
16) Methylene chloride	2.54	84	11866	5.048 ug/L	91
17) trans-1,2-Dichloroethene	2.79	96	10214	4.820 ug/L	90
18) Methyl tert-butyl Ether	2.81	73	28189	4.232 ug/L #	95
19) 1,1-Dichloroethane	3.23	63	20589	4.796 ug/L	93
20) cis-1,2-Dichloroethene	3.96	96	10978	4.686 ug/L	89
22) 2-Butanone	4.04	43	7448	3.878 ug/L #	60
23) Bromochloromethane	4.30	128	6143	5.459 ug/L	86
25) Chloroform	4.43	83	22050	5.051 ug/L	94
27) 1,2-Dichloroethane	5.18	62	17546	4.804 ug/L	95
29) Cyclohexane	4.73	56	15156	4.188 ug/L	97
30) 1,1,1-Trichloroethane	4.66	97	16298	4.664 ug/L	96
31) Carbon tetrachloride	4.88	117	14796	4.980 ug/L	96
33) Benzene	5.15	78	42887	4.737 ug/L	100
34) Trichloroethene	5.96	95	12831	5.133 ug/L	95
35) Methylcyclohexane	6.18	83	14777	4.075 ug/L	94
37) 1,2-Dichloropropane	6.22	63	11962	4.905 ug/L	99
38) Bromodichloromethane	6.56	83	15210	4.731 ug/L #	93
39) cis-1,3-Dichloropropene	7.07	75	13765	3.938 ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	26777	7.846 ug/L	94

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Quant Title : VOC Analysis
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	39888	4.196	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	11675	3.691	ug/L	98
45) 1,1,2-Trichloroethane	7.88	97	10969	4.976	ug/L	94
46) Tetrachloroethene	8.02	164	7837	4.659	ug/L	98
48) 2-Hexanone	8.20	43	19925	7.456	ug/L #	86
49) Dibromochloromethane	8.29	129	10123	4.379	ug/L	94
50) 1,2-Dibromoethane	8.40	107	10121	4.439	ug/L	95
51) Chlorobenzene	8.93	112	27859	4.668	ug/L	96
52) Ethylbenzene	9.05	91	42998	4.174	ug/L	99
53) m,p-Xylene	9.18	106	14159	3.827	ug/L	95
54) o-xylene	9.59	106	13525	3.664	ug/L	92
55) Styrene	9.60	104	22736	3.637	ug/L	99
56) Isopropylbenzene	9.97	105	36204	3.761	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.29	83	14583	4.461	ug/L	92
59) 1,2,3-Trichloropropane	10.32	75	13822	4.675	ug/L	100
61) Bromoform	9.78	173	6660	5.025	ug/L #	97
62) 1,3-Dichlorobenzene	11.22	146	17411	4.565	ug/L	96
63) 1,4-Dichlorobenzene	11.32	146	19529	4.948	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	18759	4.864	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.47	75	3637	5.596	ug/L	86
67) 1,3,5-Trichlorobenzene	12.69	180	11372	4.464	ug/L	94
68) 1,2,4-trichlorobenzene	13.31	180	7222	3.447	ug/L	96
69) Naphthalene	13.55	128	14795	2.259	ug/L	98
70) 1,2,3-Trichlorobenzene	13.79	180	7391	3.428	ug/L	97

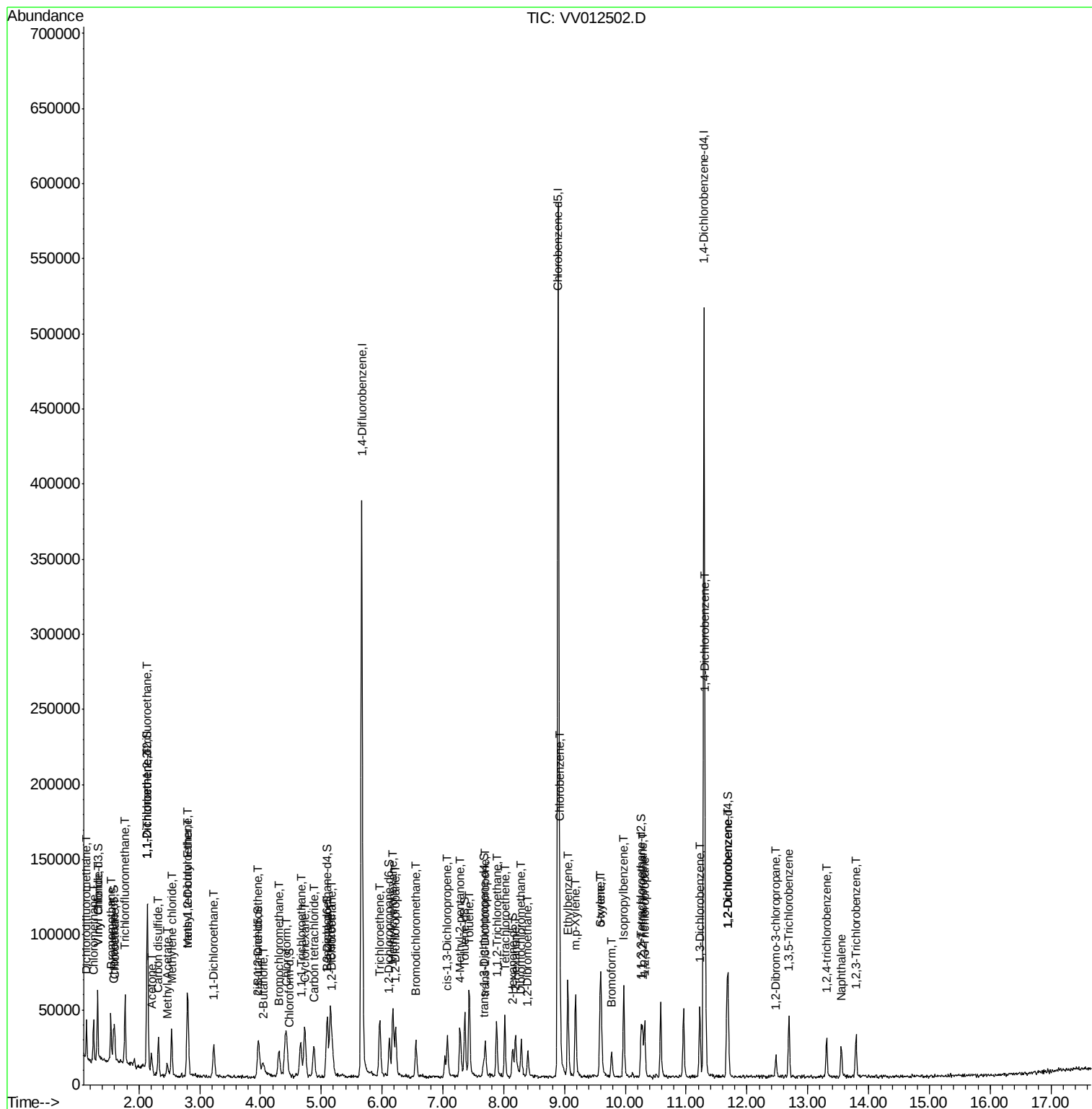
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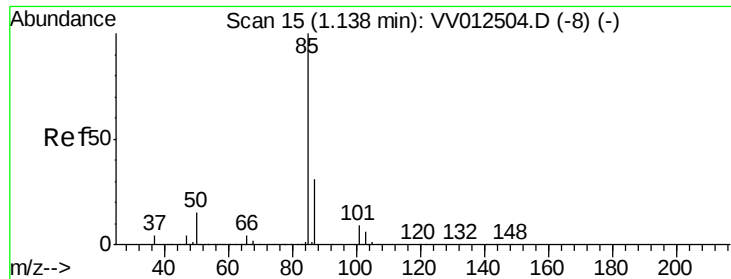
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#2

Dichlorodifluoromethane

Concen: 5.166 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV012502.D

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Instrument :

MSVOA_V

ClientSampleId :

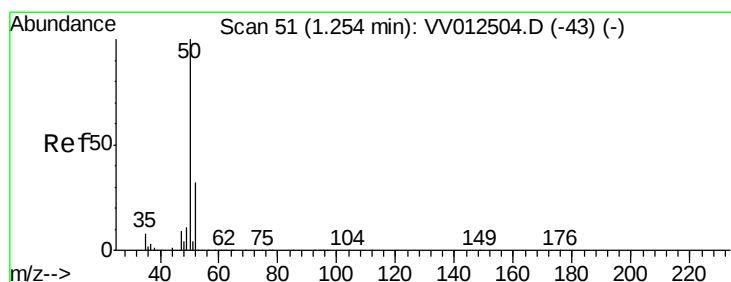
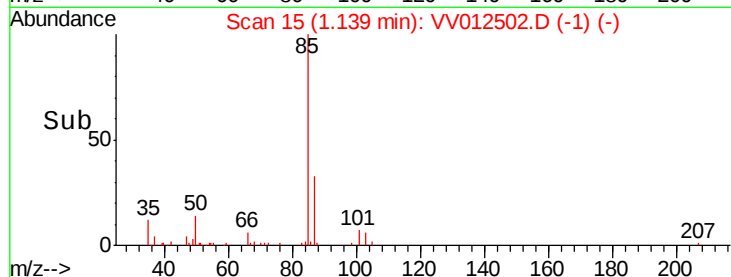
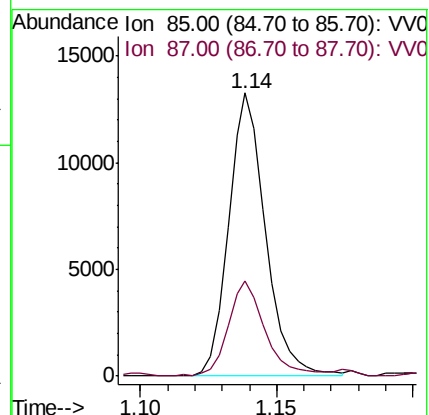
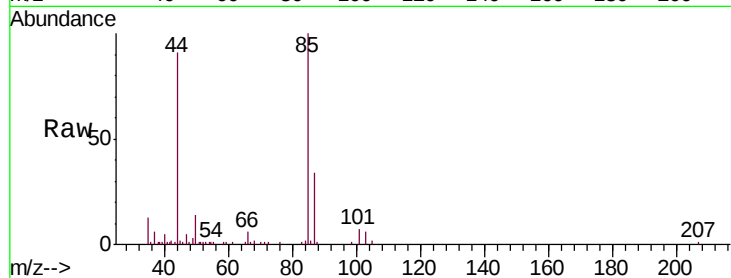
VSTD00562

Tgt Ion: 85 Resp: 12476

Ion Ratio Lower Upper

85 100

87 33.6 25.4 38.0



#3

Chloromethane

Concen: 5.288 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV012502.D

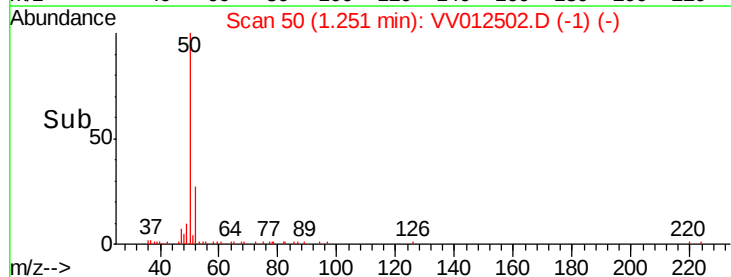
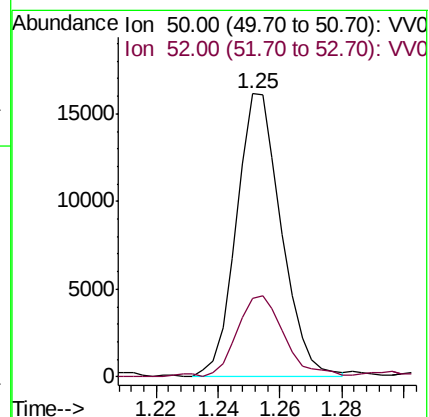
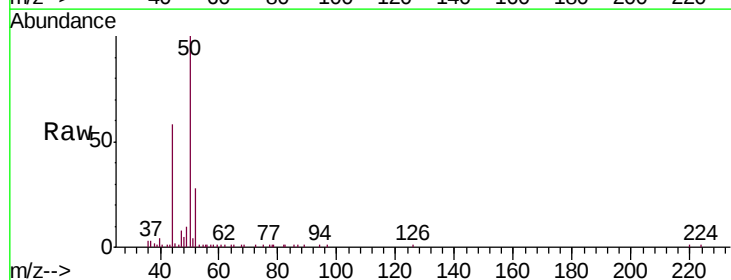
Acq: 01 Sep 2019 11:46

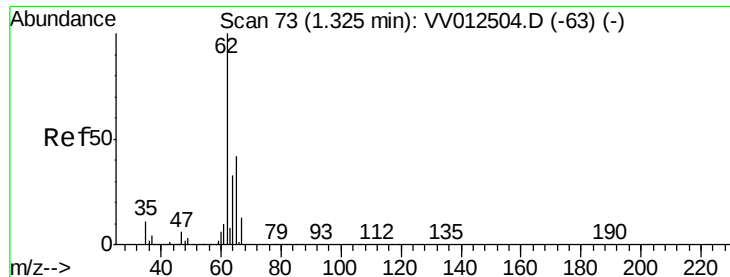
Tgt Ion: 50 Resp: 16328

Ion Ratio Lower Upper

50 100

52 27.8 22.4 41.6





#5

Vinyl chloride

Concen: 5.245 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV012502.D

Acq: 01 Sep 2019 11:46

Instrument :

MSVOA_V

ClientSampleId :

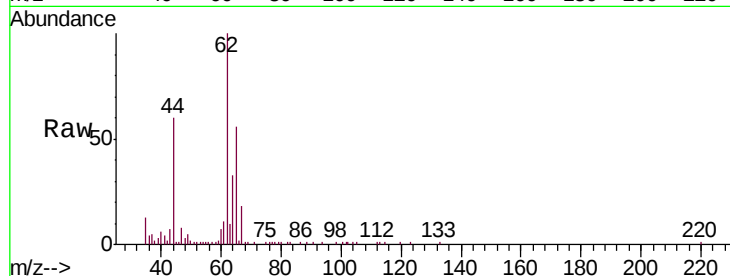
VSTD00562

Tgt Ion: 62 Resp: 16911

Ion Ratio Lower Upper

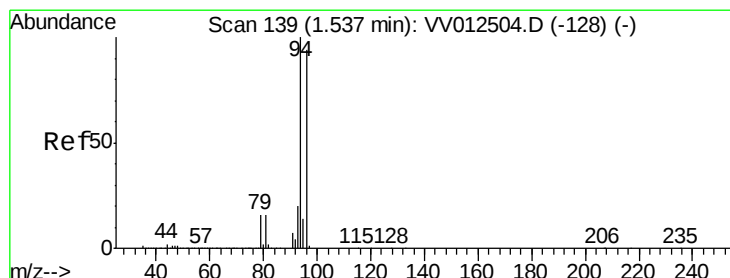
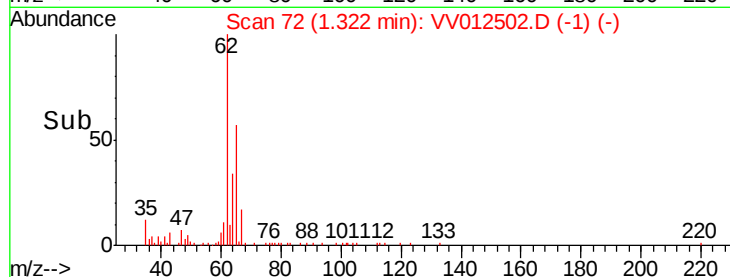
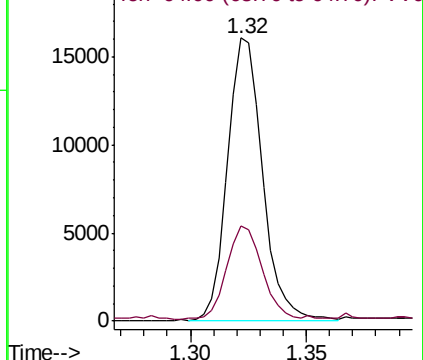
62 100

64 33.5 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 4.244 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV012502.D

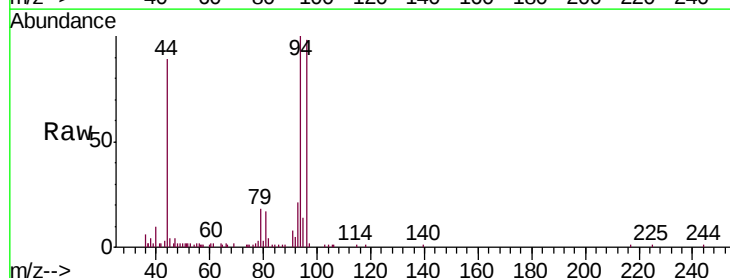
Acq: 01 Sep 2019 11:46

Tgt Ion: 94 Resp: 11091

Ion Ratio Lower Upper

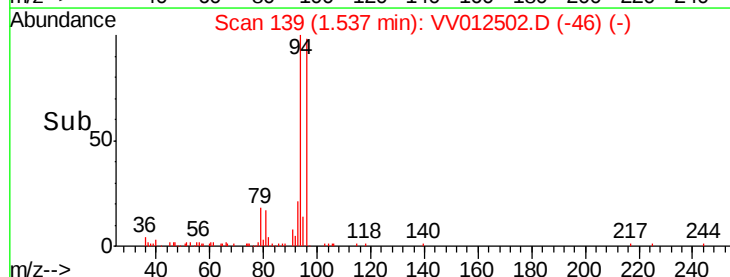
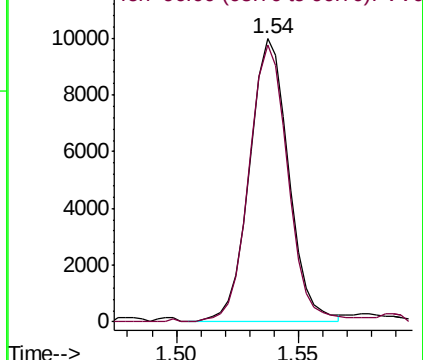
94 100

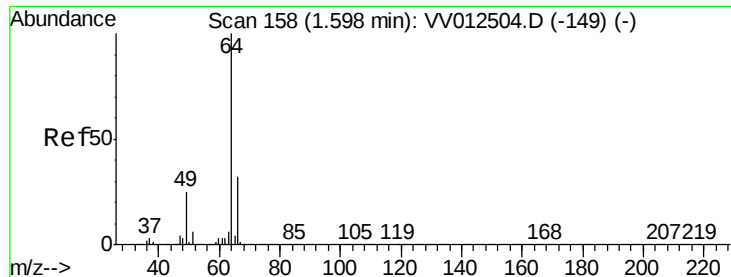
96 98.0 65.9 122.5



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

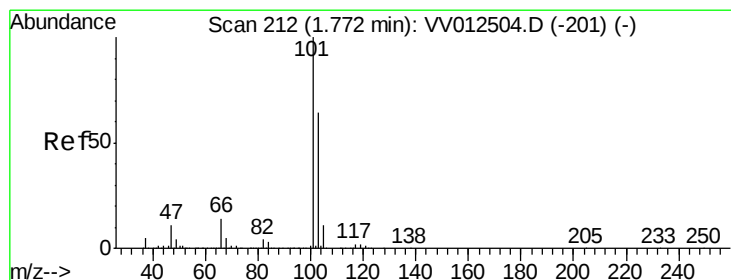
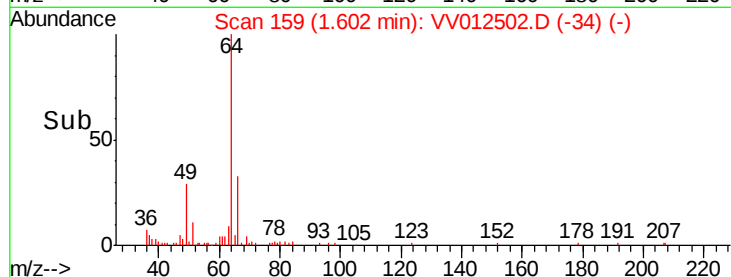
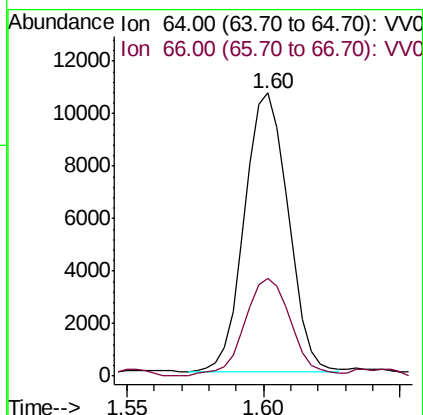
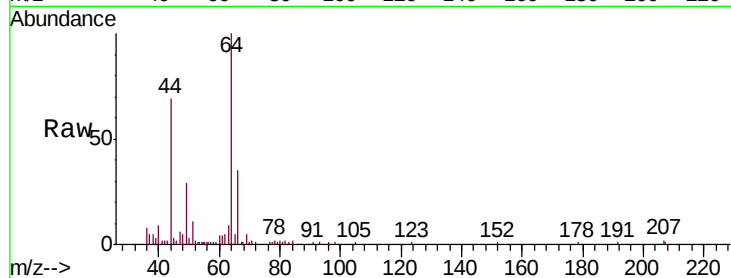




#8
Chloroethane
Concen: 5.002 ug/L
RT: 1.60 min Scan# 159
Delta R.T. 0.00 min
Lab File: VV012502.D
Acq: 01 Sep 2019 11:46

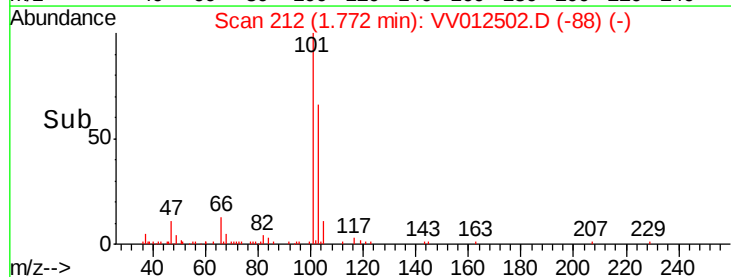
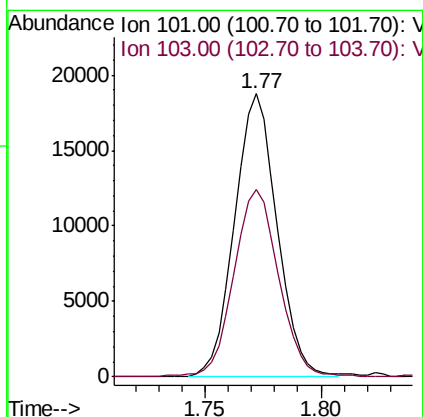
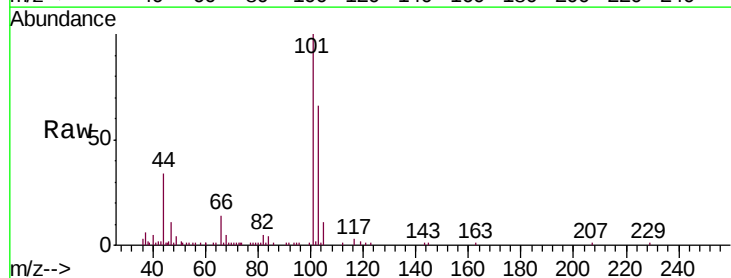
Instrument :
MSVOA_V
ClientSampleId :
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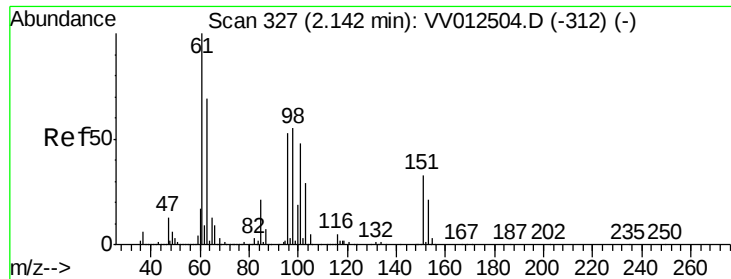
Tgt Ion: 64 Resp: 11832
Ion Ratio Lower Upper
64 100
66 34.7 22.5 41.7



#9
Trichlorofluoromethane
Concen: 4.889 ug/L
RT: 1.77 min Scan# 212
Delta R.T. 0.00 min
Lab File: VV012502.D
Acq: 01 Sep 2019 11:46

Tgt Ion: 101 Resp: 23887
Ion Ratio Lower Upper
101 100
103 69.6 50.9 76.3





#10

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

Concen: 5.159 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV012502.D

Acq: 01 Sep 2019 11:46

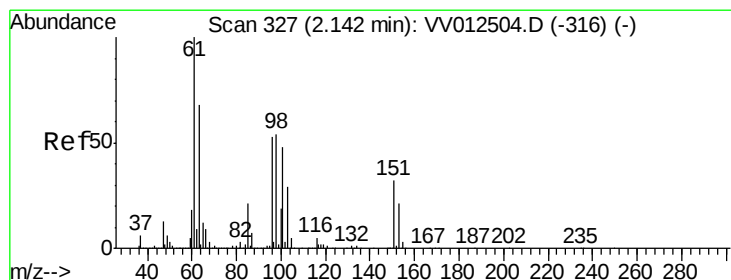
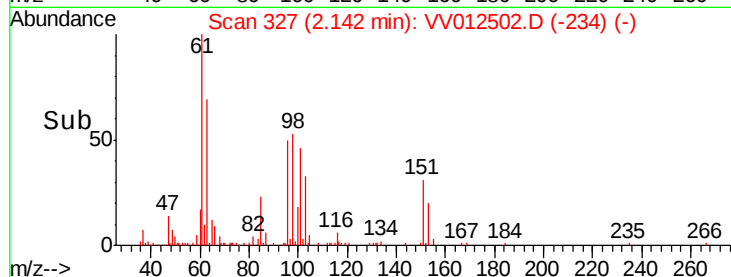
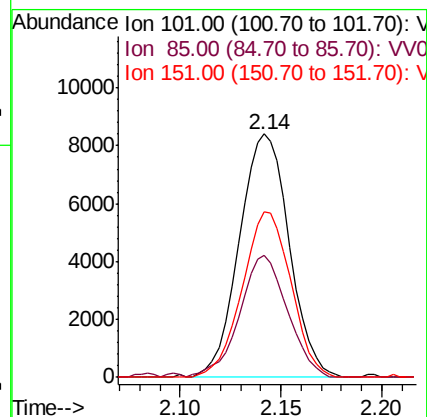
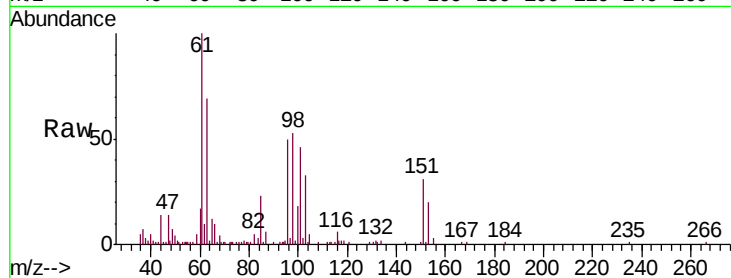
Instrument :

MSVOA_V

ClientSampled :

VSTD00562

Tgt Ion:	101	Resp:	14557
Ion	Ratio	Lower	Upper
101	100		
85	48.2	36.2	54.2
151	66.3	54.8	82.2



#12

1,1-Dichloroethene

Concen: 4.834 ug/L

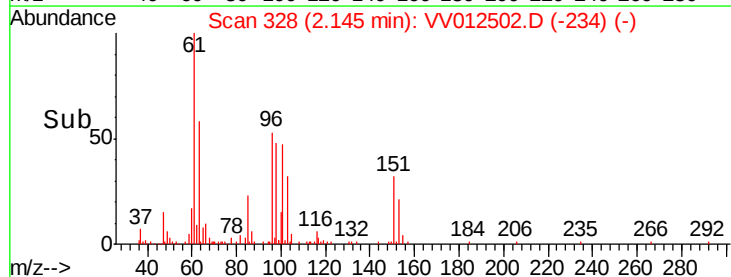
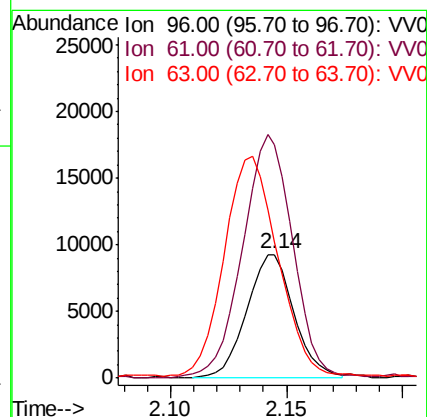
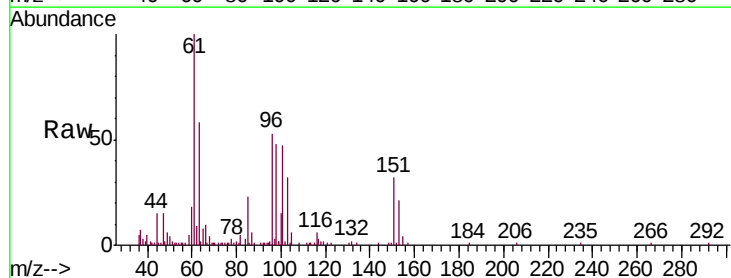
RT: 2.14 min Scan# 328

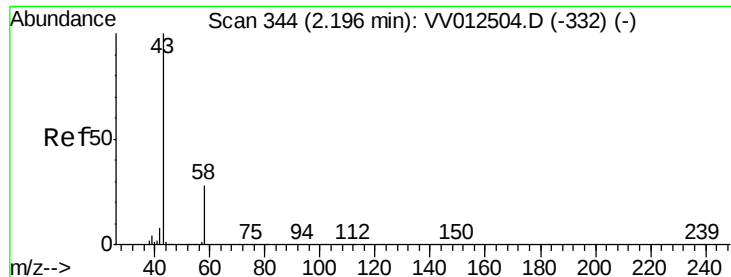
Delta R.T. 0.00 min

Lab File: VV012502.D

Acq: 01 Sep 2019 11:46

Tgt Ion:	96	Resp:	13144
Ion	Ratio	Lower	Upper
96	100		
61	188.9	132.4	246.0
63	110.2	92.0	170.9





#13

Acetone

Concen: 10.340 ug/L

RT: 2.20 min Scan# 346

Delta R.T. 0.01 min

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ClientSampleId :

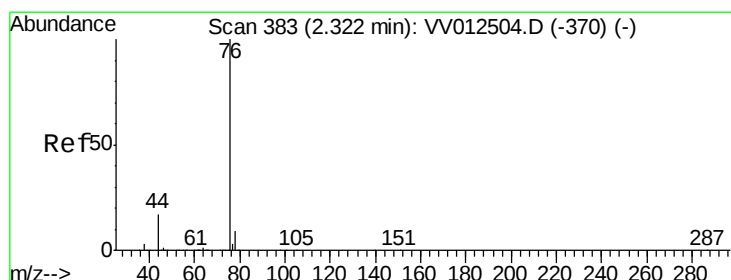
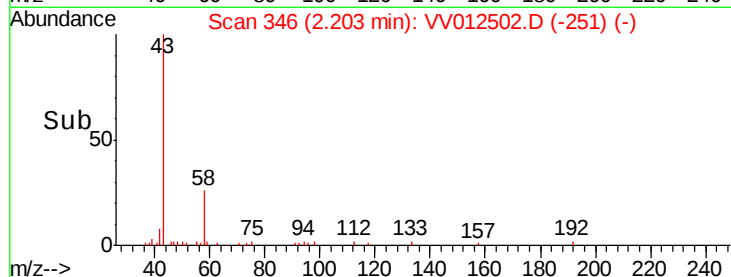
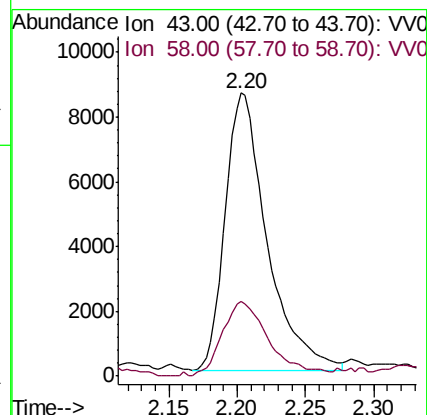
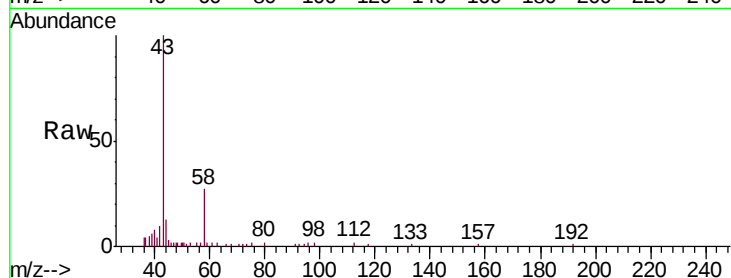
VSTD00562

Tgt Ion: 43 Resp: 18223

Ion Ratio Lower Upper

43 100

58 28.2 0.0 57.6



#14

Carbon disulfide

Concen: 4.860 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VV012502.D

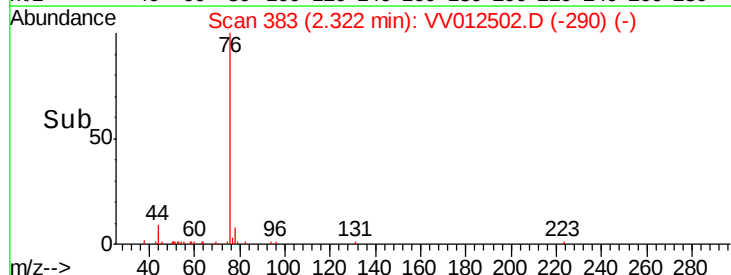
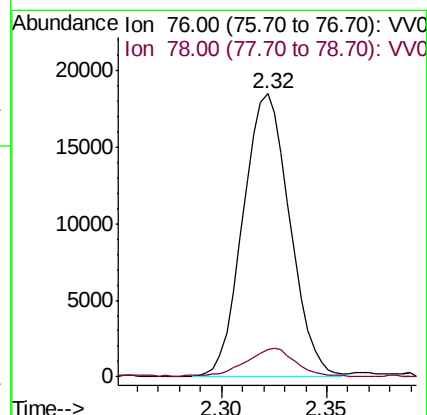
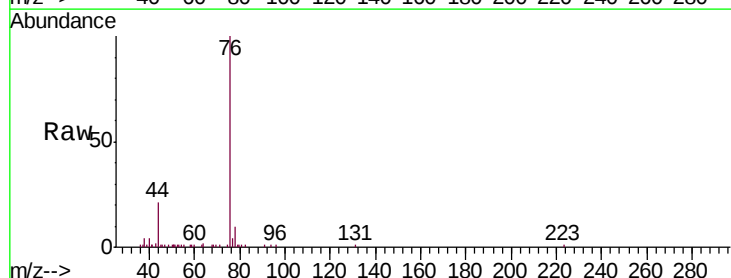
Acq: 01 Sep 2019 11:46

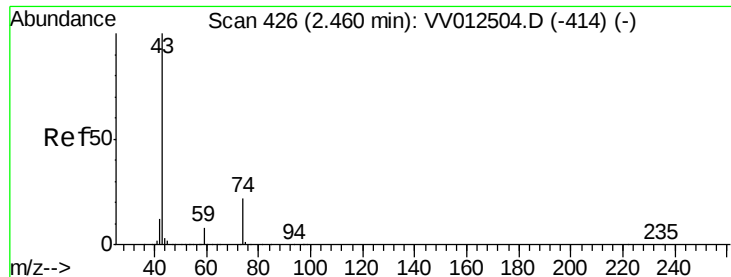
Tgt Ion: 76 Resp: 28541

Ion Ratio Lower Upper

76 100

78 9.5 7.4 11.2

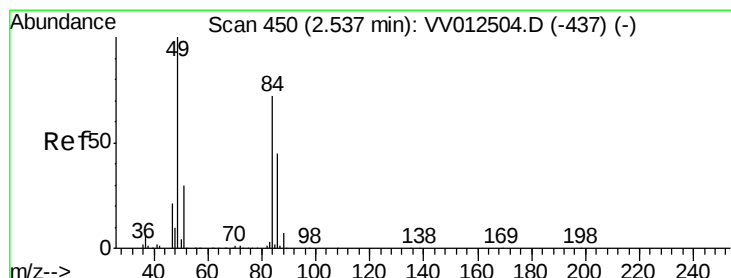
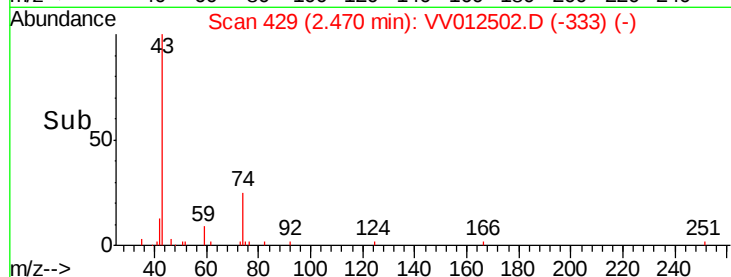
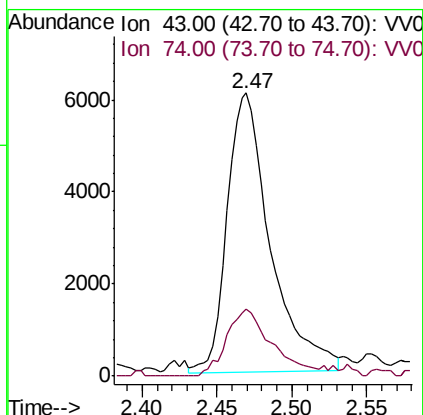
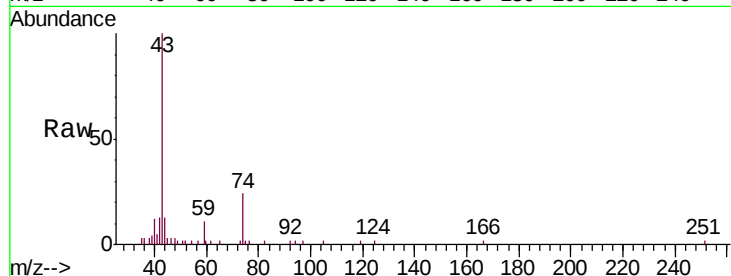




#15
Methyl Acetate
Concen: 4.742 ug/L
RT: 2.47 min Scan# 429
Delta R.T. 0.01 min
Lab File: VV012502.D
Acq: 01 Sep 2019 11:46

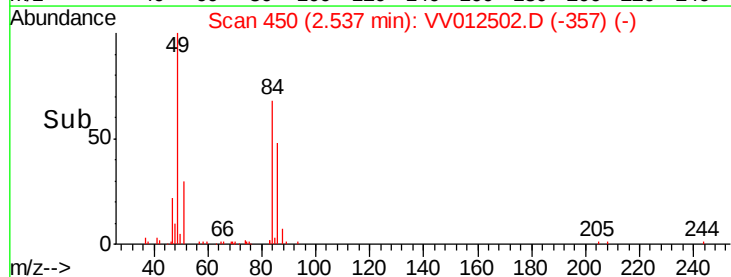
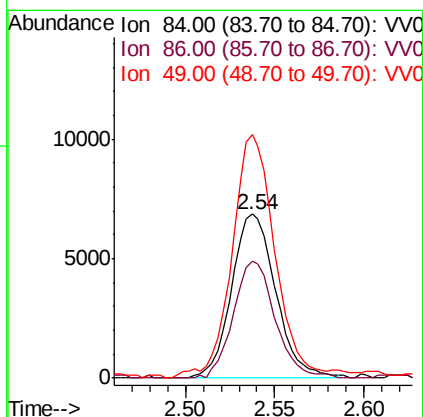
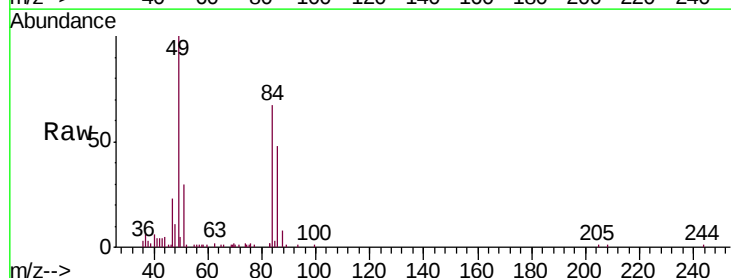
Instrument :
MSVOA_V
ClientSampleId :
VSTD00562

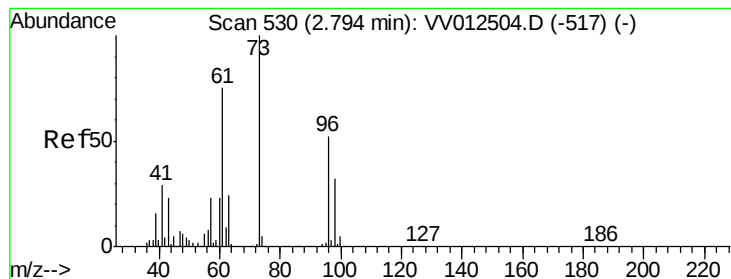
Tgt Ion: 43 Resp: 12256
Ion Ratio Lower Upper
43 100
74 25.2 18.0 27.0



#16
Methylene chloride
Concen: 5.048 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV012502.D
Acq: 01 Sep 2019 11:46

Tgt Ion: 84 Resp: 11866
Ion Ratio Lower Upper
84 100
86 71.4 43.5 80.7
49 148.4 97.3 180.7





#17

trans-1,2-Dichloroethene

Concen: 4.820 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.00 min

Lab File: VV012502.D

Acq: 01 Sep 2019 11:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD00562

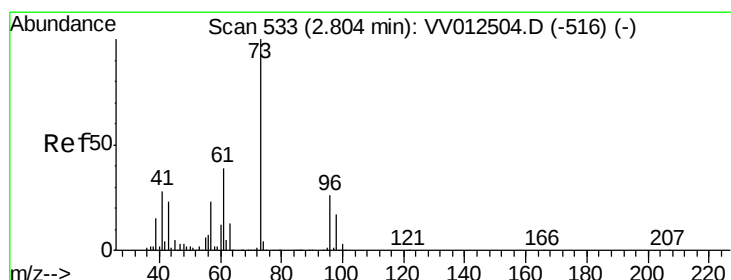
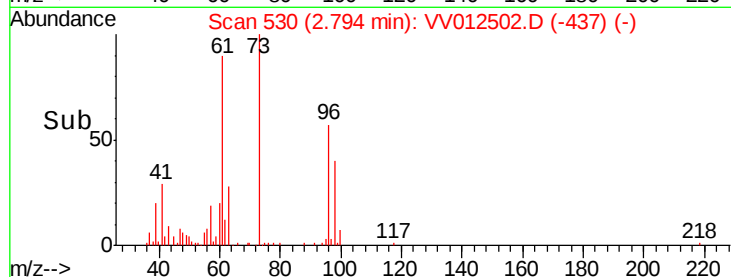
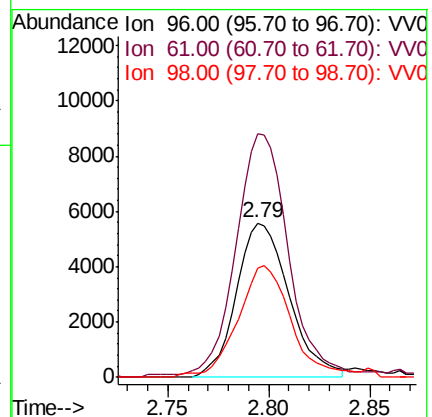
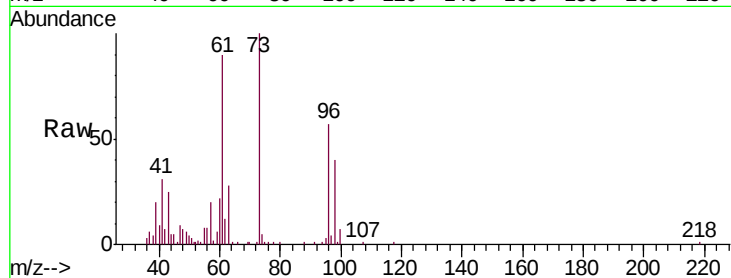
Tgt Ion: 96 Resp: 10214

Ion Ratio Lower Upper

96 100

61 157.5 101.4 188.2

98 70.5 43.3 80.5



#18

Methyl tert-butyl Ether

Concen: 4.232 ug/L

RT: 2.81 min Scan# 534

Delta R.T. 0.00 min

Lab File: VV012502.D

Acq: 01 Sep 2019 11:46

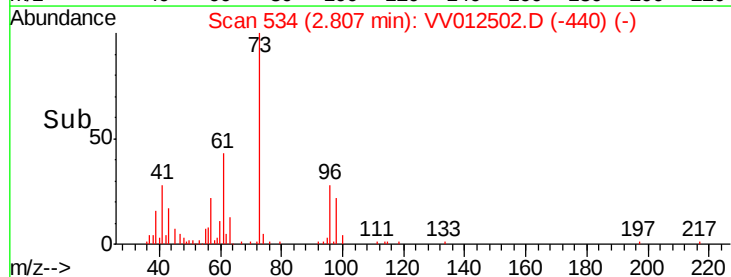
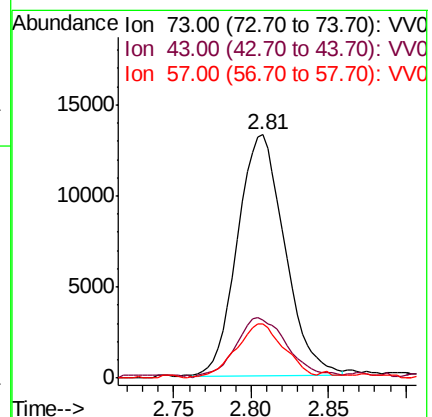
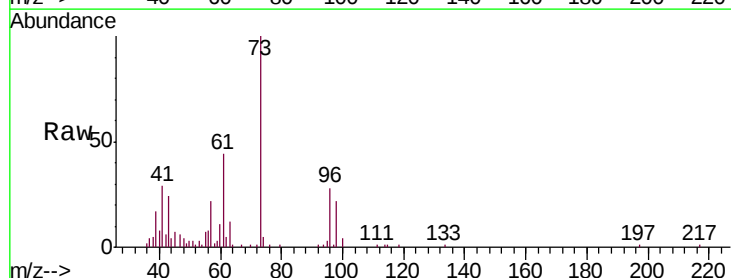
Tgt Ion: 73 Resp: 28189

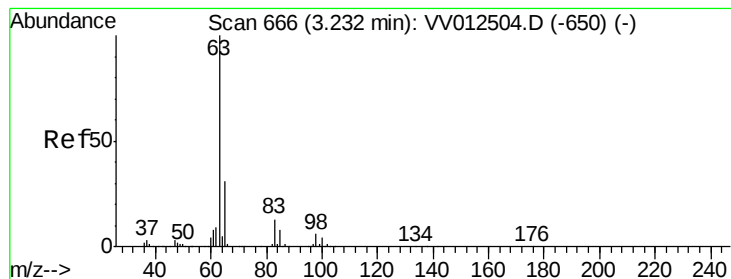
Ion Ratio Lower Upper

73 100

43 27.3 18.1 27.1#

57 23.0 18.5 27.7





#19

1,1-Dichloroethane

Concen: 4.796 ug/L

RT: 3.23 min Scan# 666

Delta R.T. 0.00 min

Lab File: VV012502.D

Acq: 01 Sep 2019 11:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD00562

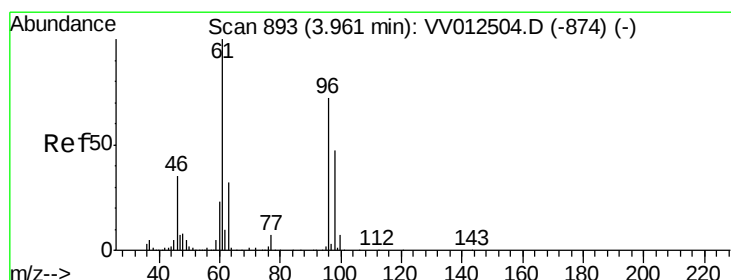
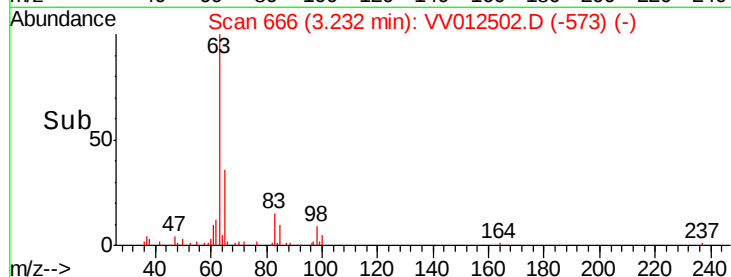
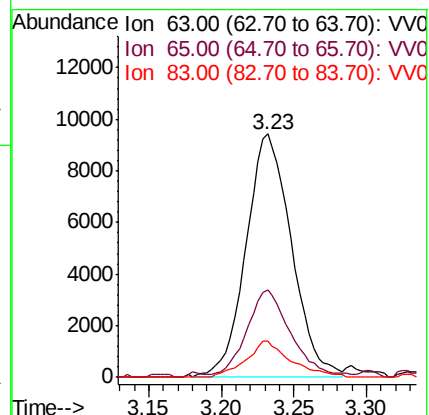
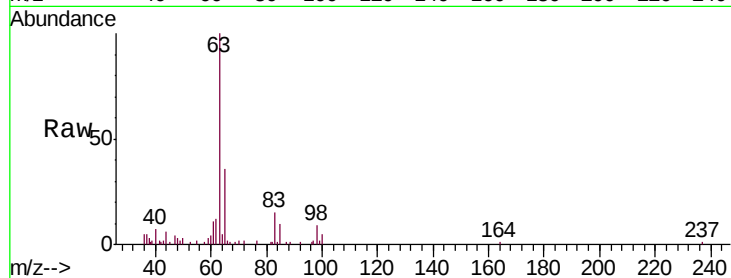
Tgt Ion: 63 Resp: 20589

Ion Ratio Lower Upper

63 100

65 36.1 21.8 40.6

83 14.7 9.3 17.3



#20

cis-1,2-Dichloroethene

Concen: 4.686 ug/L

RT: 3.96 min Scan# 894

Delta R.T. 0.00 min

Lab File: VV012502.D

Acq: 01 Sep 2019 11:46

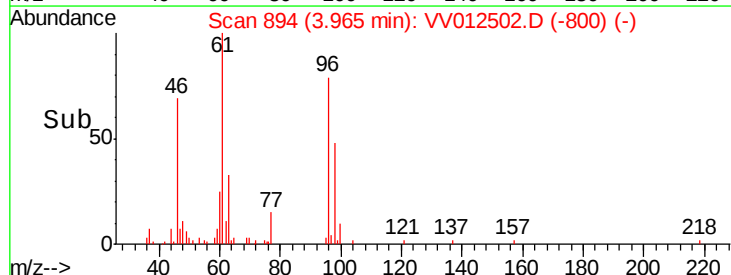
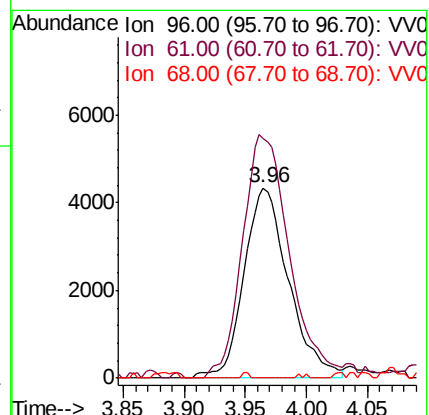
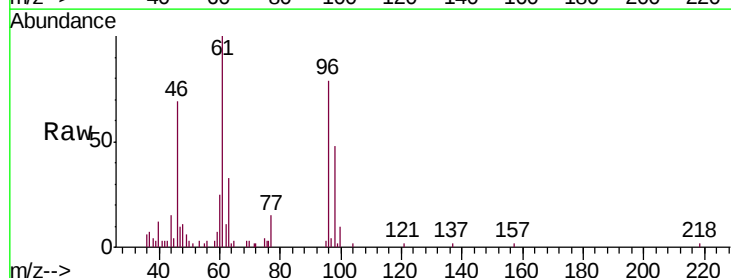
Tgt Ion: 96 Resp: 10978

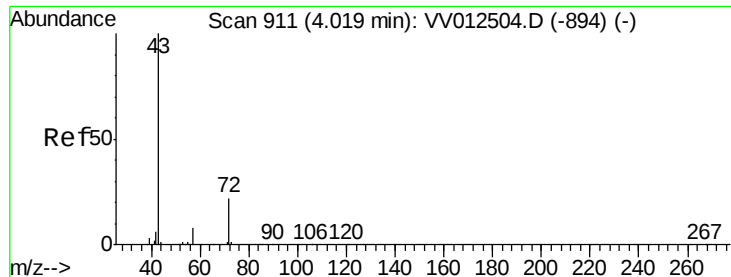
Ion Ratio Lower Upper

96 100

61 126.4 97.8 181.6

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 3.878 ug/L

RT: 4.04 min Scan# 918

Delta R.T. 0.02 min

Lab File: VV012502.D

Acq: 01 Sep 2019 11:46

Instrument :

MSVOA_V

ClientSampleId :

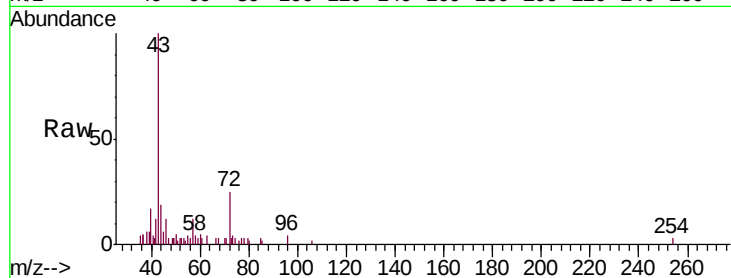
VSTD00562

Tgt Ion: 43 Resp: 7448

Ion Ratio Lower Upper

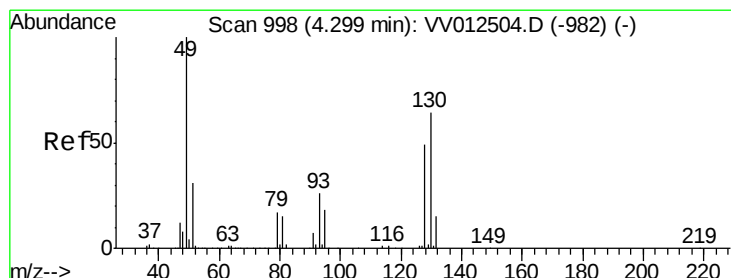
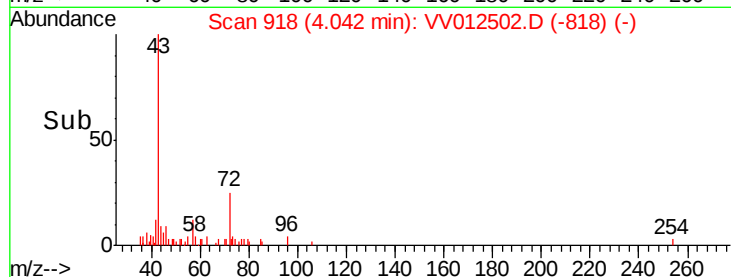
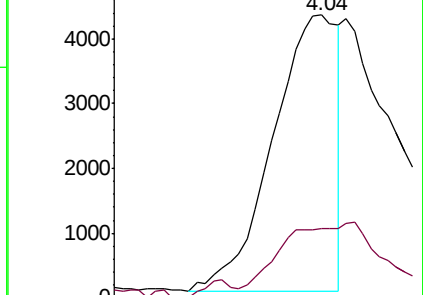
43 100

72 2.9 10.9 32.7#



Abundance Ion 43.00 (42.70 to 43.70): VV012504.D (-894) (-)

Ion 72.00 (71.70 to 72.70): VV012504.D (-894) (-)



#23

Bromochloromethane

Concen: 5.459 ug/L

RT: 4.30 min Scan# 999

Delta R.T. 0.00 min

Lab File: VV012502.D

Acq: 01 Sep 2019 11:46

Tgt Ion: 128 Resp: 6143

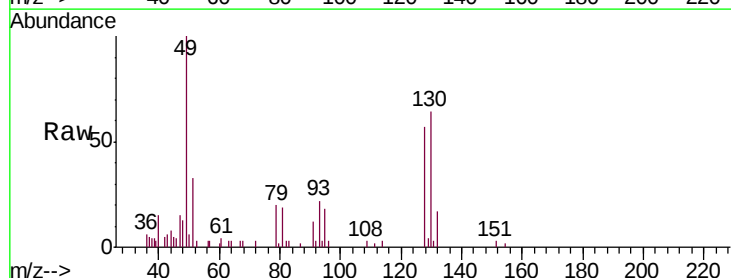
Ion Ratio Lower Upper

128 100

49 176.3 144.1 267.5

130 118.4 91.6 170.2

51 58.8 51.1 76.7

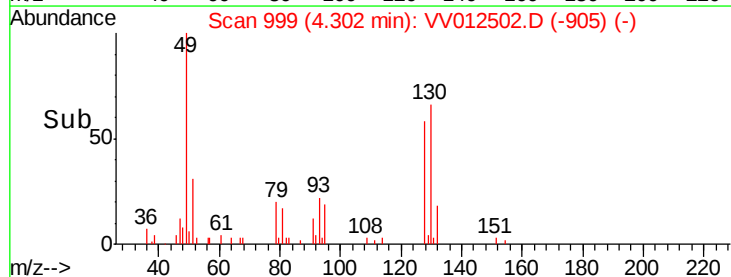
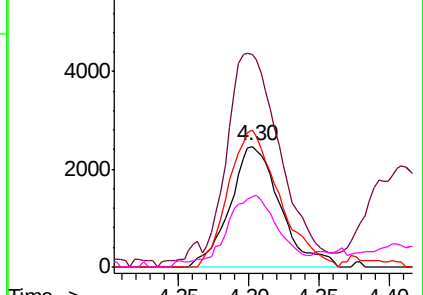


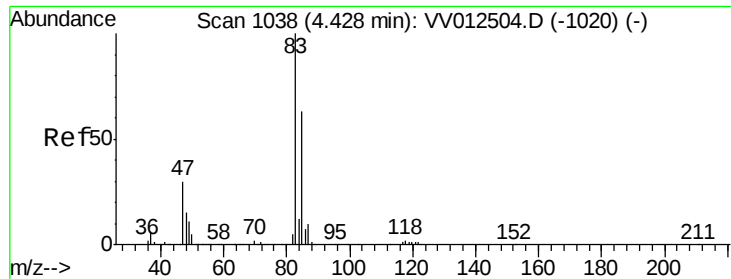
Abundance Ion 128.00 (127.70 to 128.70): VV012504.D (-982) (-)

Ion 49.00 (48.70 to 49.70): VV012504.D (-982) (-)

Ion 130.00 (129.70 to 130.70): VV012504.D (-982) (-)

Ion 51.00 (50.70 to 51.70): VV012504.D (-982) (-)

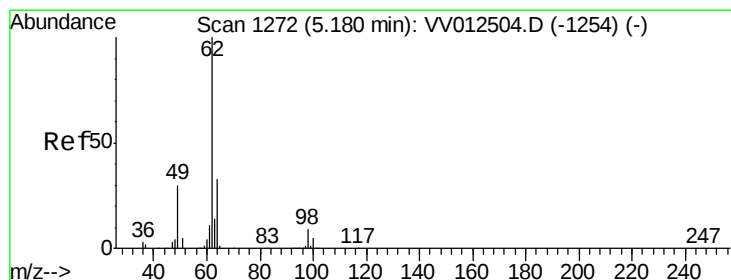
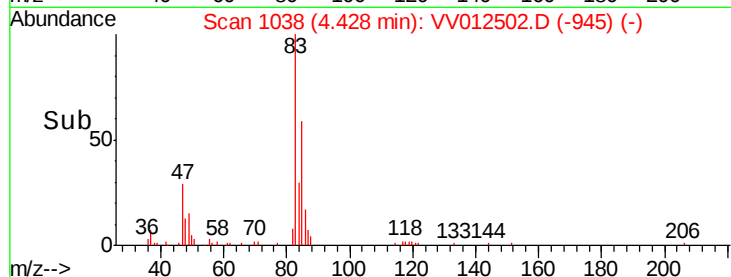
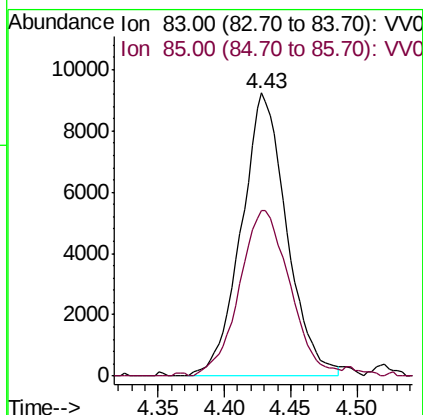
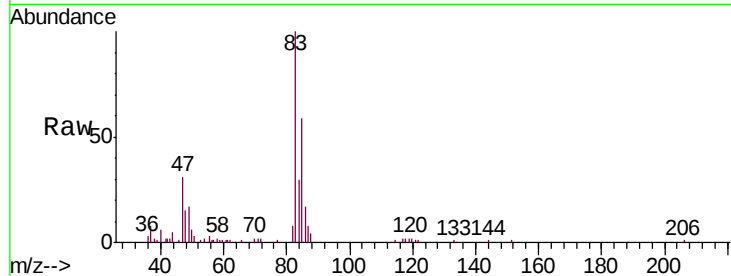




#25
Chloroform
Concen: 5.051 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV012502.D
Acq: 01 Sep 2019 11:46

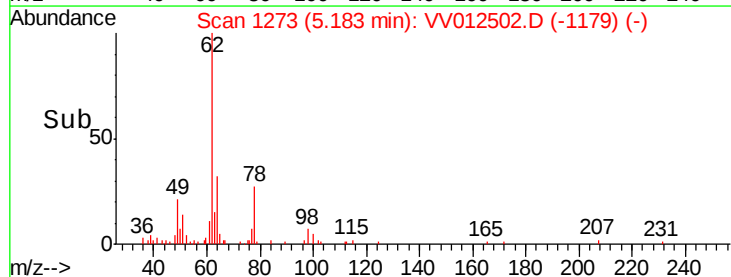
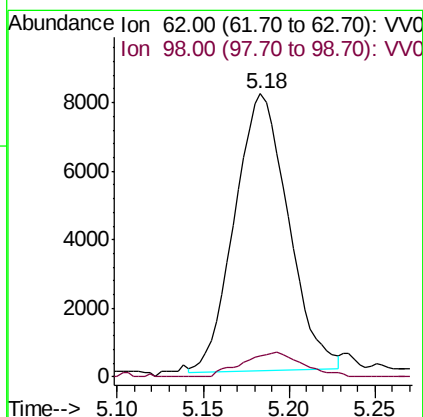
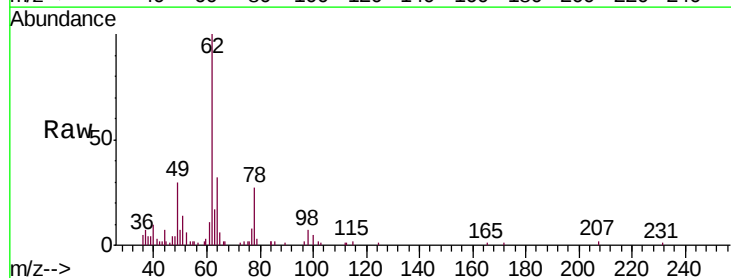
Instrument :
MSVOA_V
ClientSampleId :
VSTD00562

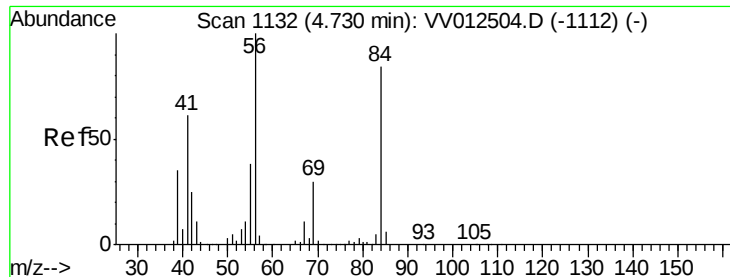
Tgt Ion: 83 Resp: 22050
Ion Ratio Lower Upper
83 100
85 58.6 44.4 82.4



#27
1,2-Dichloroethane
Concen: 4.804 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VV012502.D
Acq: 01 Sep 2019 11:46

Tgt Ion: 62 Resp: 17546
Ion Ratio Lower Upper
62 100
98 7.4 7.3 10.9

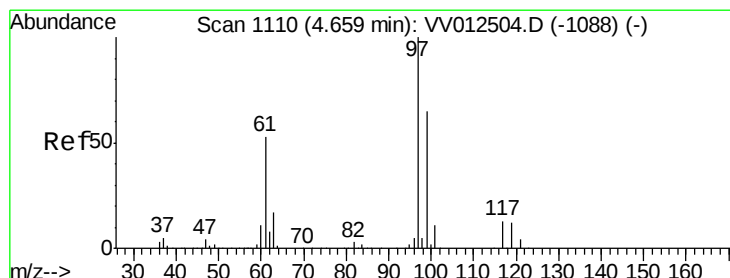
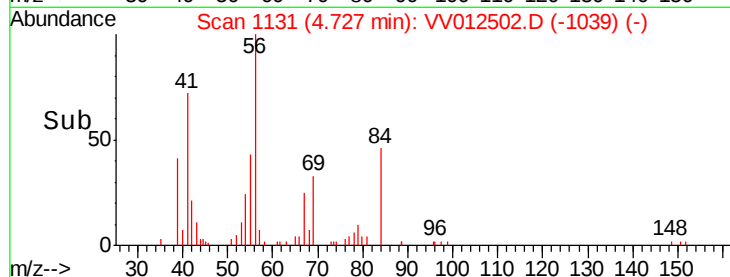
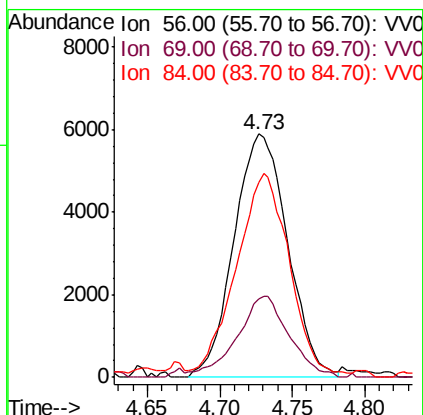
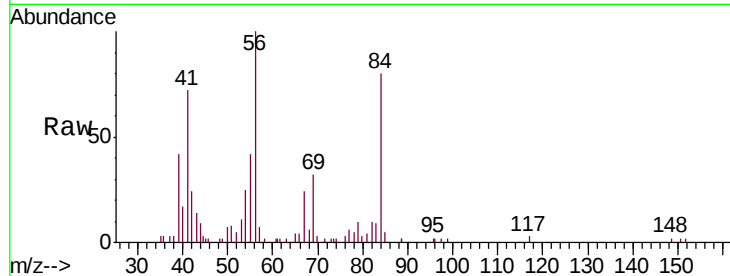




#29
Cyclohexane
Concen: 4.188 ug/L
RT: 4.73 min Scan# 1131
Delta R.T. -0.00 min
Lab File: VV012502.D
Acq: 01 Sep 2019 11:46

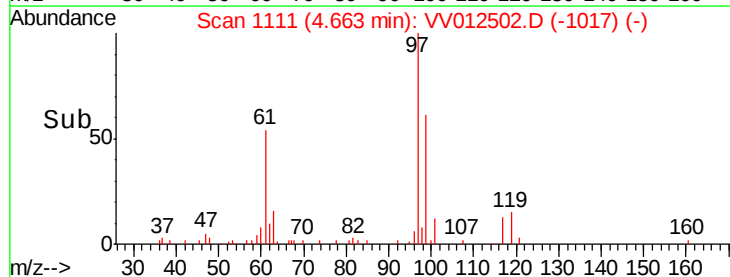
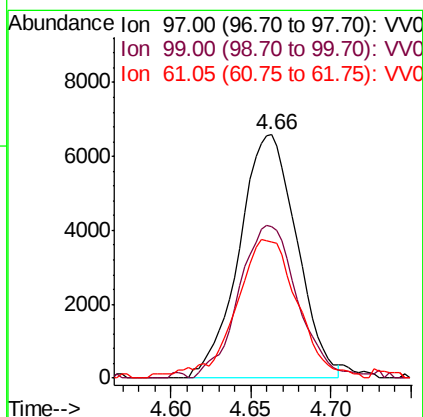
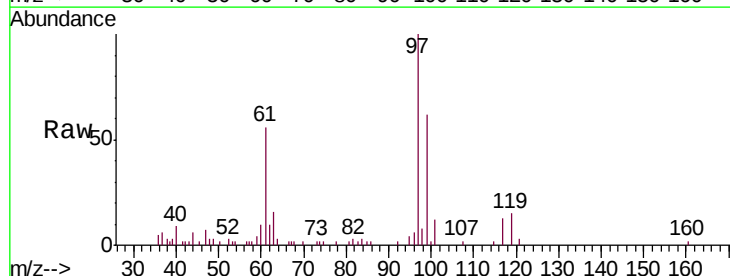
Instrument :
MSVOA_V
ClientSampleId :
VSTD00562

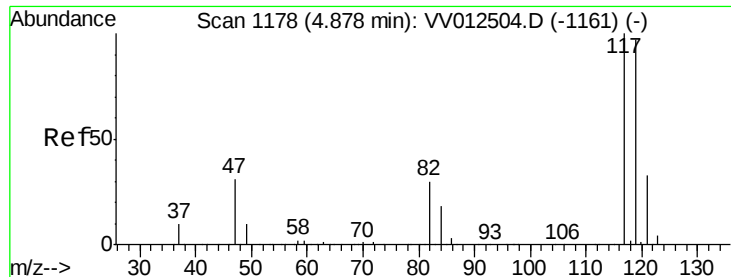
Tgt Ion: 56 Resp: 15156
Ion Ratio Lower Upper
56 100
69 29.6 23.5 35.3
84 78.9 66.2 99.4



#30
1,1,1-Trichloroethane
Concen: 4.664 ug/L
RT: 4.66 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VV012502.D
Acq: 01 Sep 2019 11:46

Tgt Ion: 97 Resp: 16298
Ion Ratio Lower Upper
97 100
99 64.0 50.6 76.0
61 58.3 41.7 62.5





#31

Carbon tetrachloride

Concen: 4.980 ug/L

RT: 4.88 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VV012502.D

Acq: 01 Sep 2019 11:46

Instrument :

MSVOA_V

ClientSampleId :

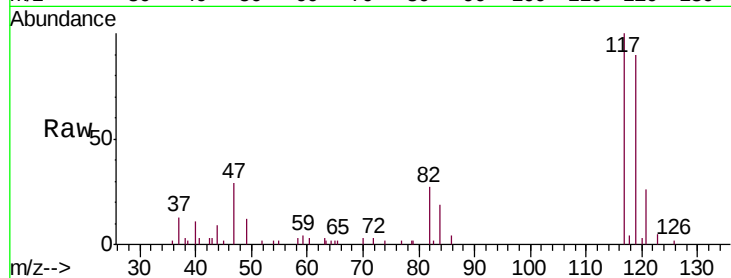
VSTD00562

Tgt Ion:117 Resp: 14796

Ion Ratio Lower Upper

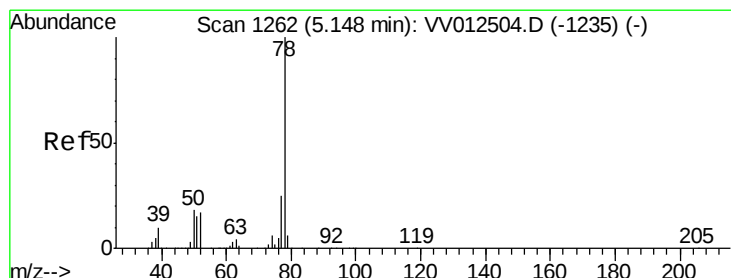
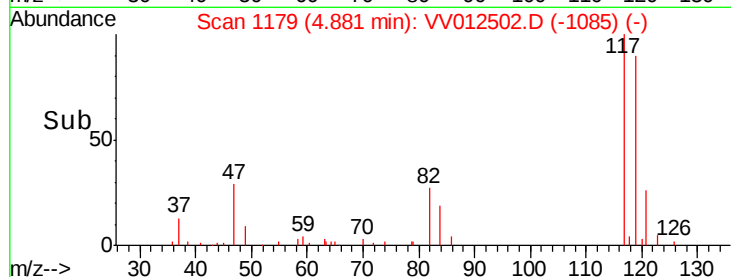
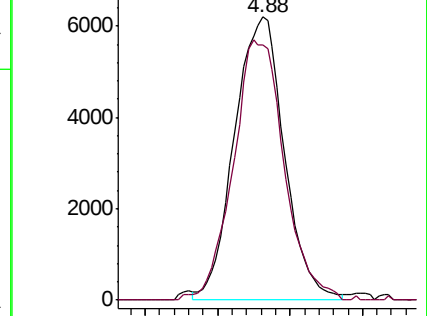
117 100

119 93.5 77.5 116.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 4.737 ug/L

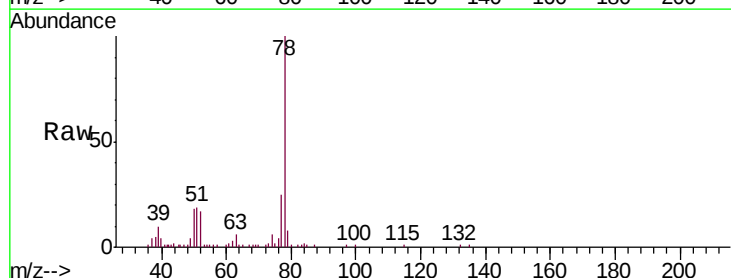
RT: 5.15 min Scan# 1263

Delta R.T. 0.00 min

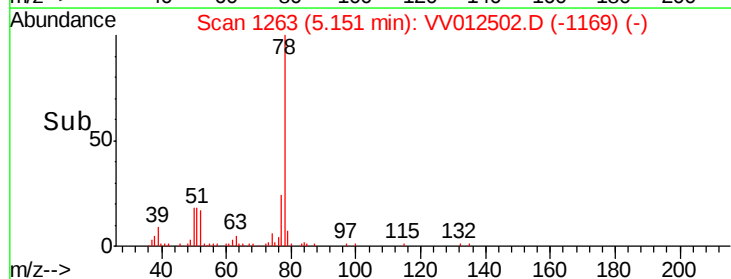
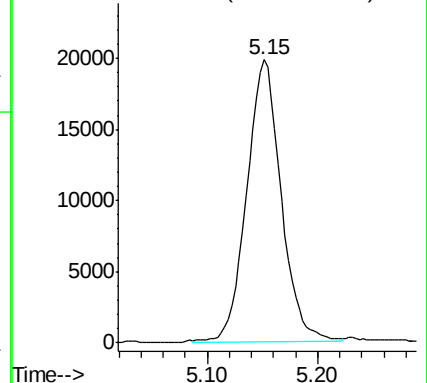
Lab File: VV012502.D

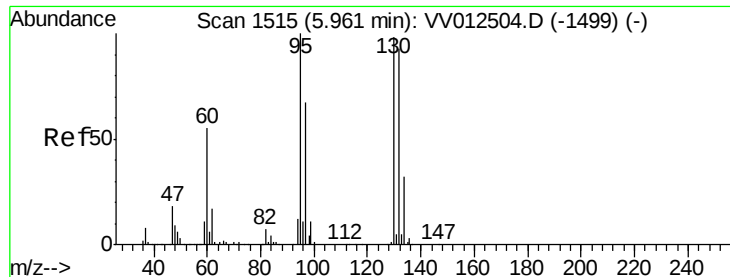
Acq: 01 Sep 2019 11:46

Tgt Ion: 78 Resp: 42887



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 5.133 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV012502.D

Acq: 01 Sep 2019 11:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD00562

Tgt Ion: 95 Resp: 12831

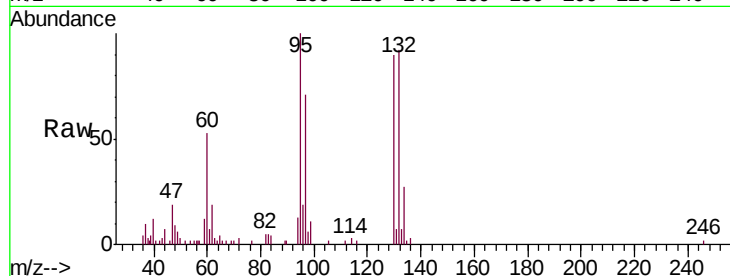
Ion Ratio Lower Upper

95 100

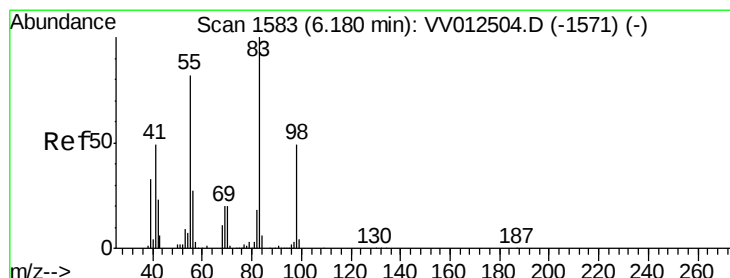
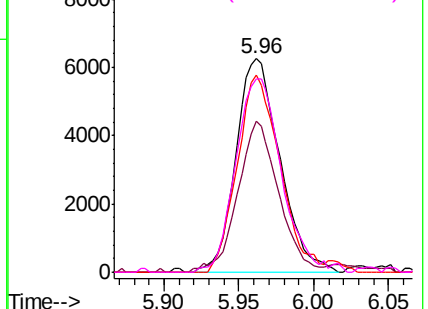
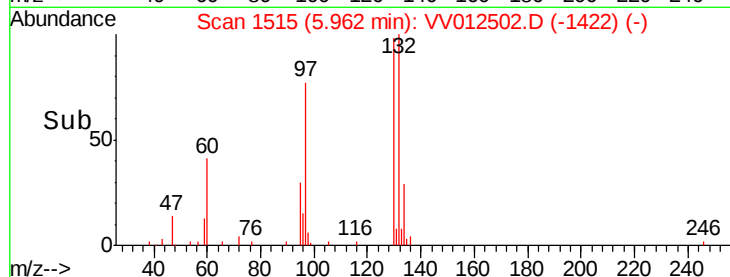
97 70.8 46.8 86.8

132 92.1 64.9 120.5

130 90.3 68.8 127.8



Abundance Ion 95.00 (94.70 to 95.70): VV012502.D (-1422) (-)



#35

Methylcyclohexane

Concen: 4.075 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VV012502.D

Acq: 01 Sep 2019 11:46

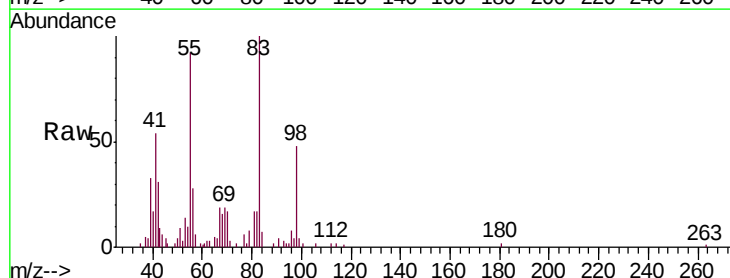
Tgt Ion: 83 Resp: 14777

Ion Ratio Lower Upper

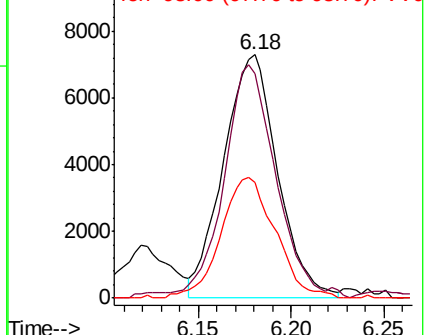
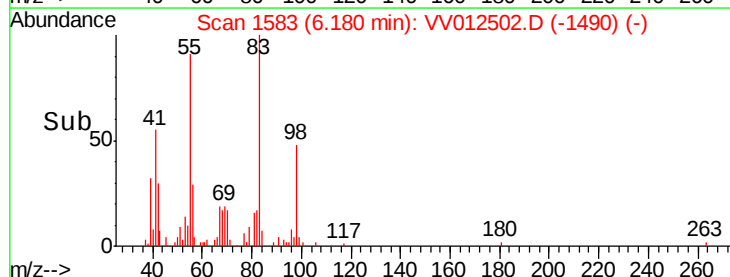
83 100

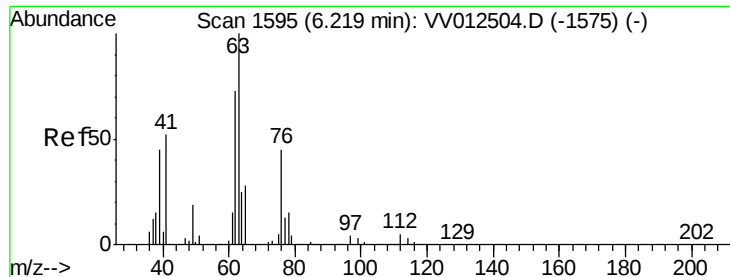
55 89.3 65.1 97.7

98 49.7 38.5 57.7



Abundance Ion 83.00 (82.70 to 83.70): VV012502.D (-1490) (-)

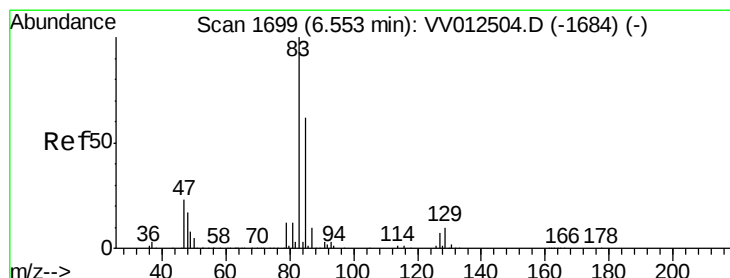
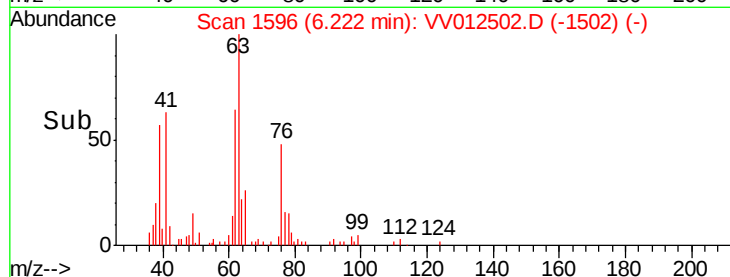
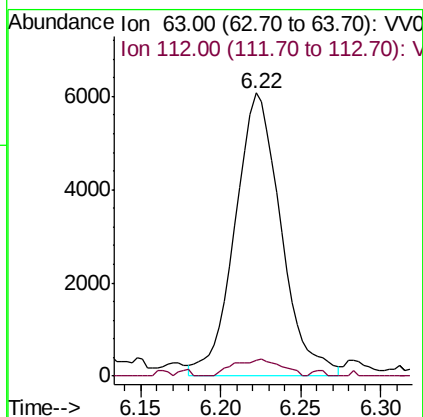
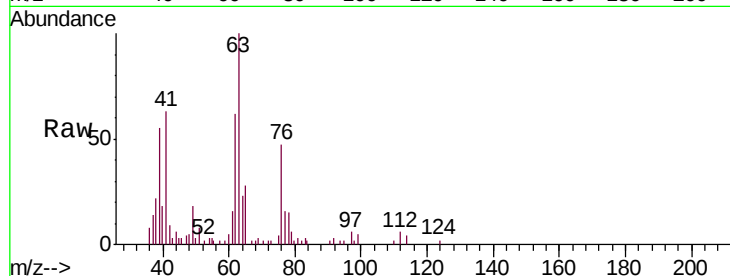




#37
 1,2-Dichloropropane
 Concen: 4.905 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. 0.00 min
 Lab File: VV012502.D
 Acq: 01 Sep 2019 11:46

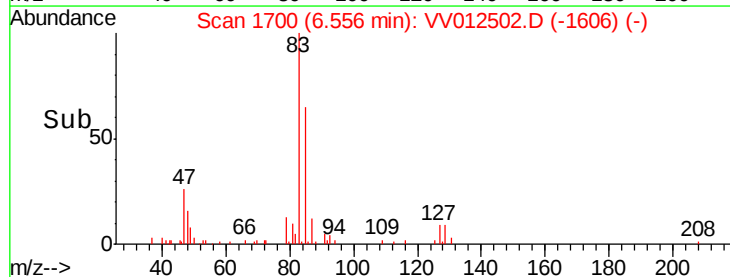
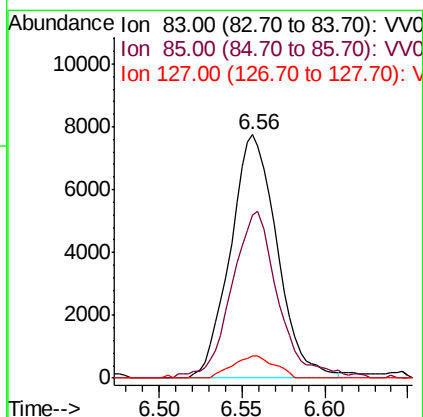
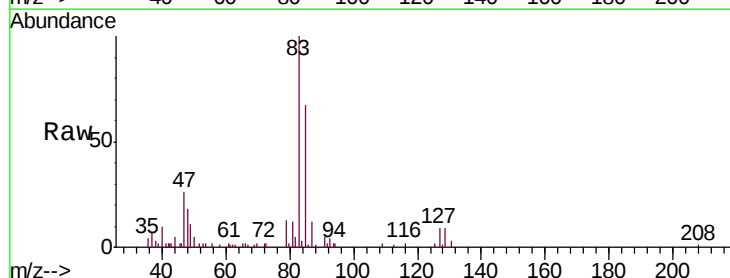
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00562

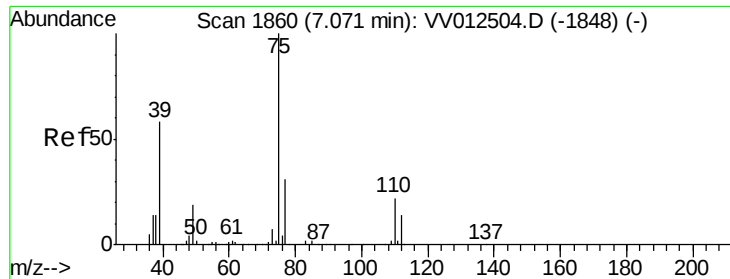
Tgt Ion: 63 Resp: 11962
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.5 5.3



#38
 Bromodichloromethane
 Concen: 4.731 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VV012502.D
 Acq: 01 Sep 2019 11:46

Tgt Ion: 83 Resp: 15210
 Ion Ratio Lower Upper
 83 100
 85 66.9 43.1 80.1
 127 10.3 5.6 8.4#

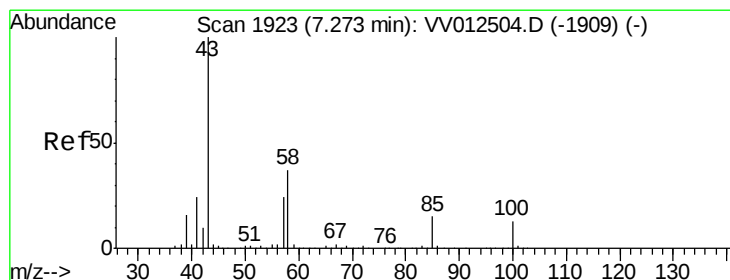
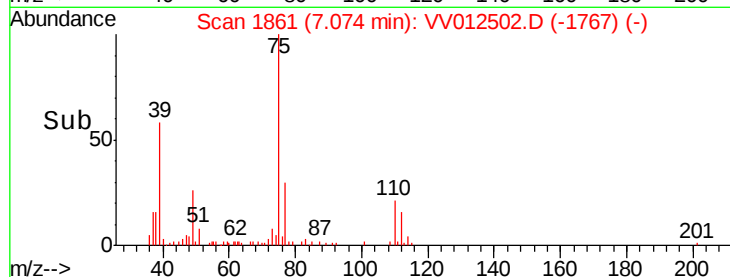
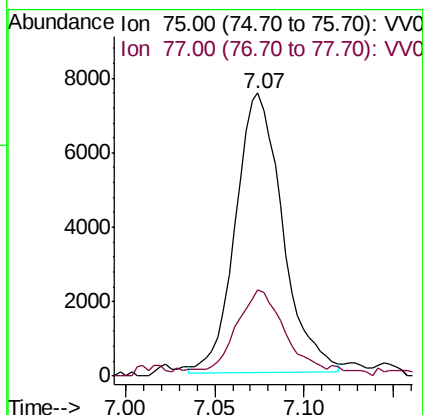
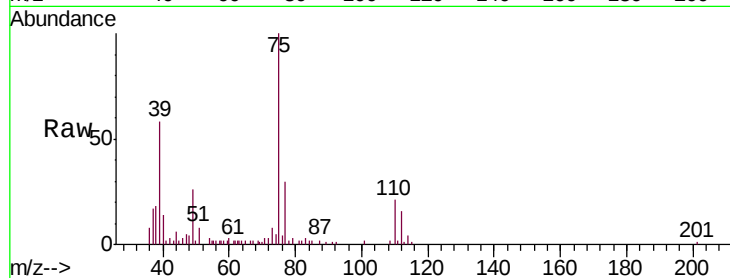




#39
 cis-1,3-Dichloropropene
 Concen: 3.938 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VV012502.D
 Acq: 01 Sep 2019 11:46

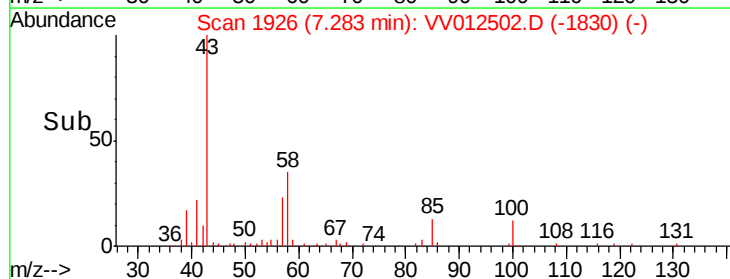
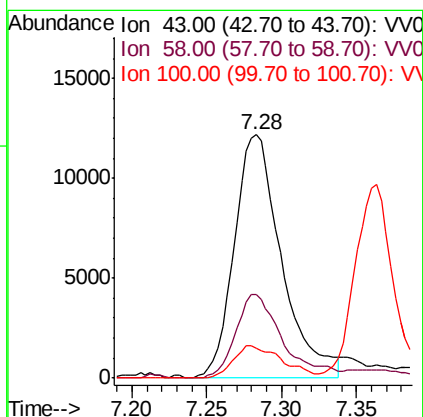
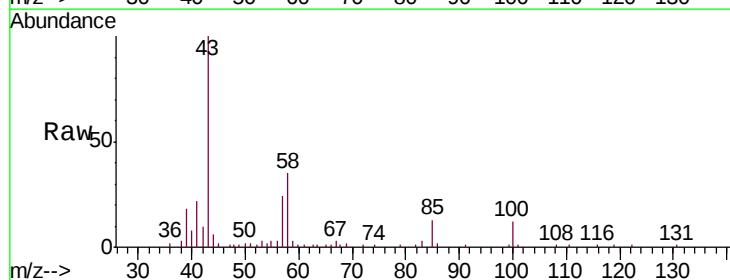
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00562

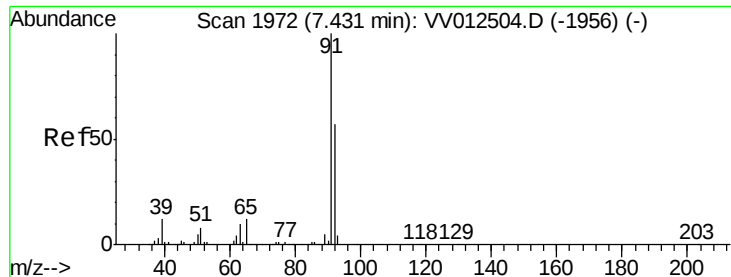
Tgt Ion: 75 Resp: 13765
 Ion Ratio Lower Upper
 75 100
 77 30.4 21.8 40.6



#40
 4-Methyl-2-pentanone
 Concen: 7.846 ug/L
 RT: 7.28 min Scan# 1926
 Delta R.T. 0.01 min
 Lab File: VV012502.D
 Acq: 01 Sep 2019 11:46

Tgt Ion: 43 Resp: 26777
 Ion Ratio Lower Upper
 43 100
 58 32.7 29.8 44.6
 100 12.5 10.6 16.0





#42

Toluene

Concen: 4.196 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV012502.D

Acq: 01 Sep 2019 11:46

Instrument :

MSVOA_V

ClientSampleId :

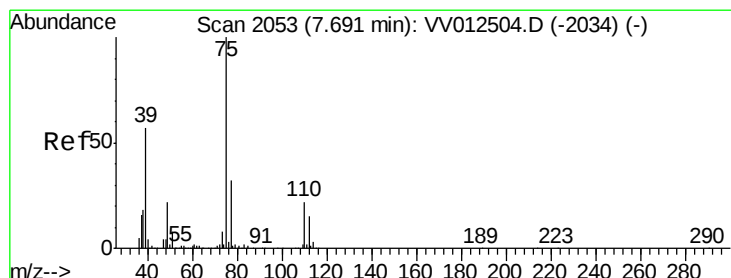
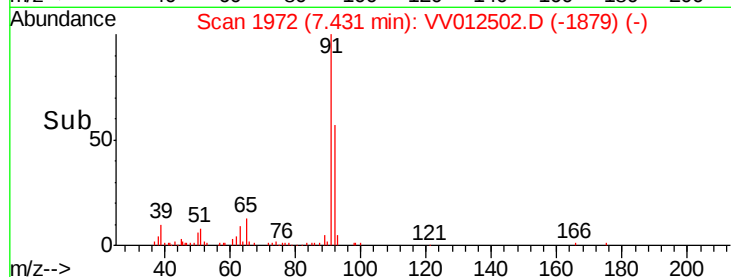
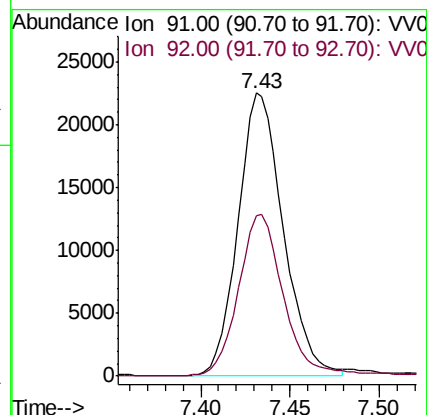
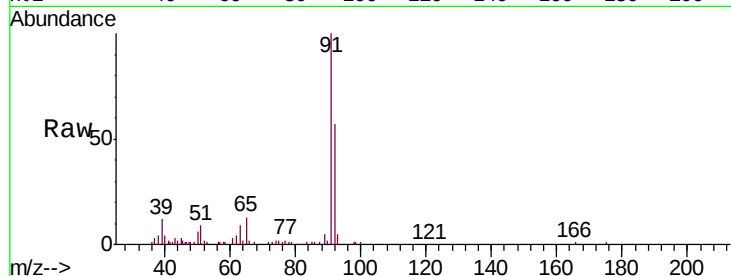
VSTD00562

Tgt Ion: 91 Resp: 39888

Ion Ratio Lower Upper

91 100

92 56.8 39.8 73.8



#44

trans-1,3-Dichloropropene

Concen: 3.691 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.01 min

Lab File: VV012502.D

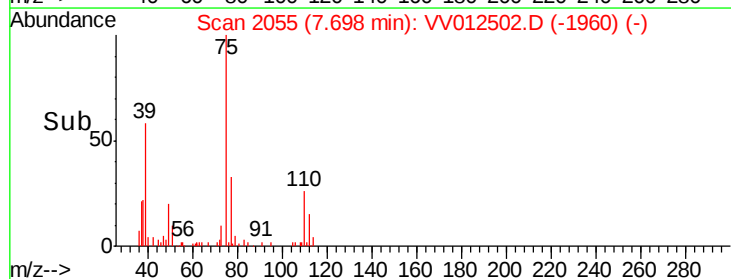
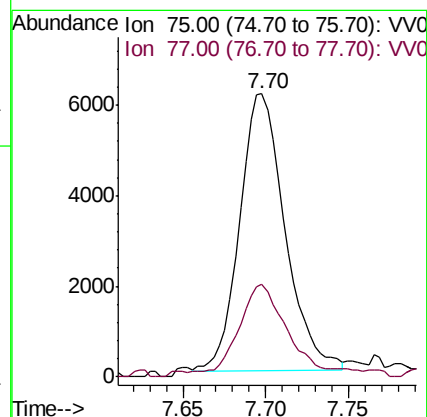
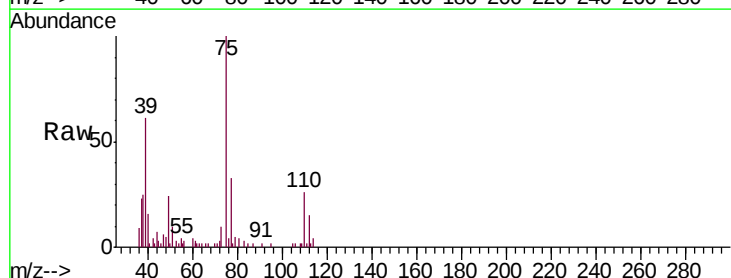
Acq: 01 Sep 2019 11:46

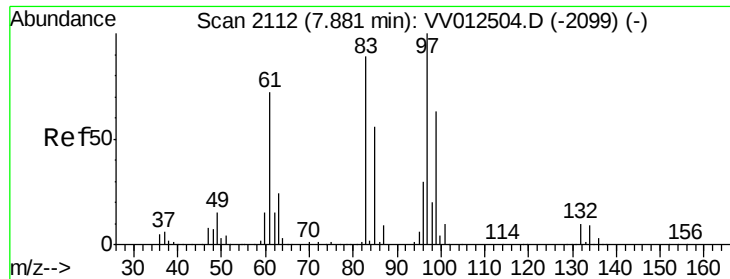
Tgt Ion: 75 Resp: 11675

Ion Ratio Lower Upper

75 100

77 32.8 22.3 41.3

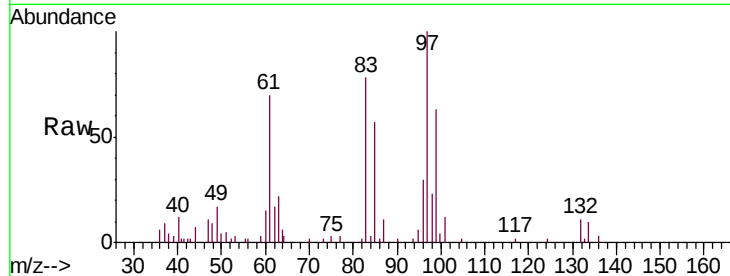




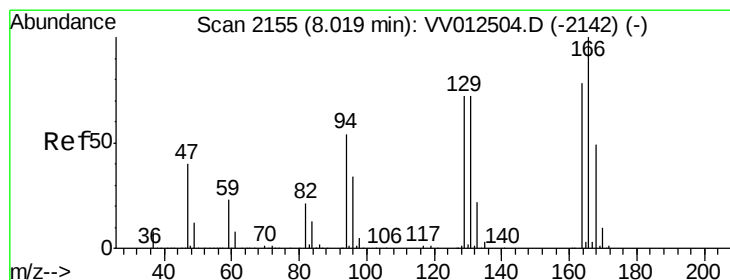
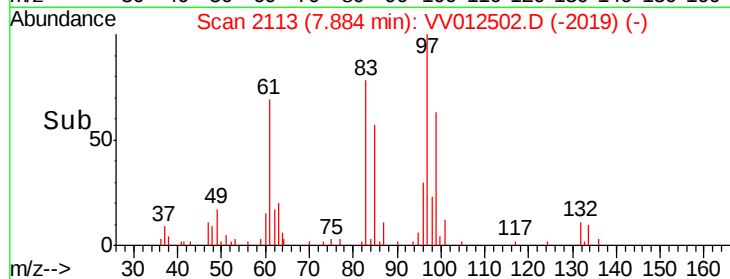
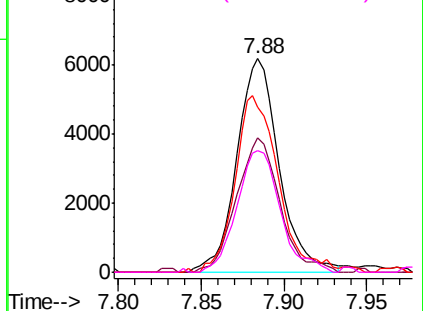
#45
 1,1,2-Trichloroethane
 Concen: 4.976 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VV012502.D
 Acq: 01 Sep 2019 11:46

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00562

Tgt Ion:	97	Resp:	10969
Ion	Ratio	Lower	Upper
97	100		
99	62.9	44.0	81.6
83	77.6	62.3	115.7
85	57.2	39.1	72.5

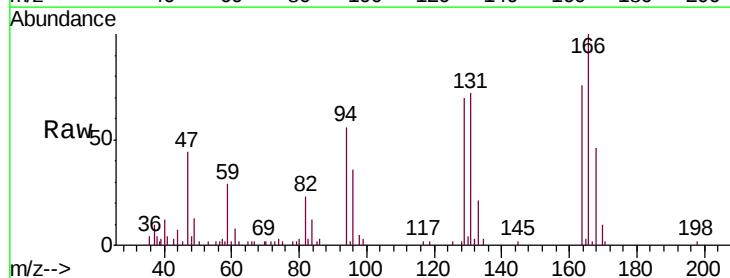


Abundance Ion 97.00 (96.70 to 97.70): VV012502.D (-2019) (-)
 Ion 99.00 (98.70 to 99.70): VV012502.D (-2019) (-)
 Ion 83.00 (82.70 to 83.70): VV012502.D (-2019) (-)
 Ion 85.00 (84.70 to 85.70): VV012502.D (-2019) (-)

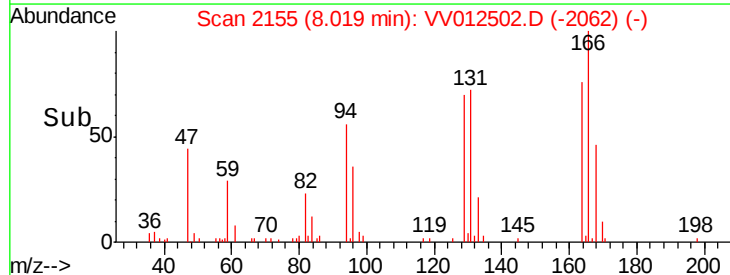
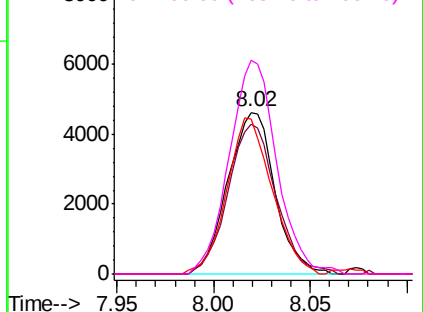


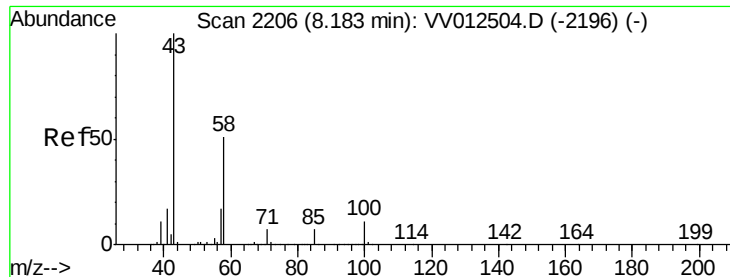
#46
 Tetrachloroethene
 Concen: 4.659 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV012502.D
 Acq: 01 Sep 2019 11:46

Tgt Ion:	164	Resp:	7837
Ion	Ratio	Lower	Upper
164	100		
129	88.8	64.8	120.4
131	91.9	64.3	119.5
166	127.1	89.7	166.7



Abundance Ion 164.00 (163.70 to 164.70): VV012502.D (-2062) (-)
 Ion 129.00 (128.70 to 129.70): VV012502.D (-2062) (-)
 Ion 131.00 (130.70 to 131.70): VV012502.D (-2062) (-)
 Ion 166.00 (165.70 to 166.70): VV012502.D (-2062) (-)

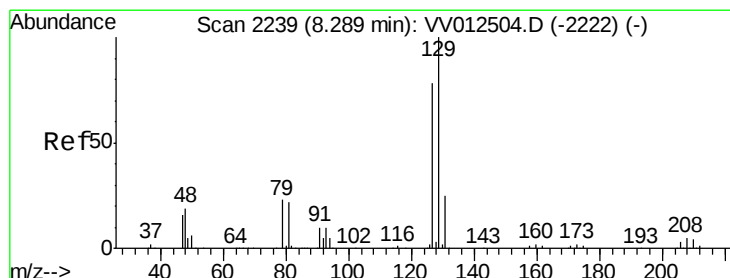
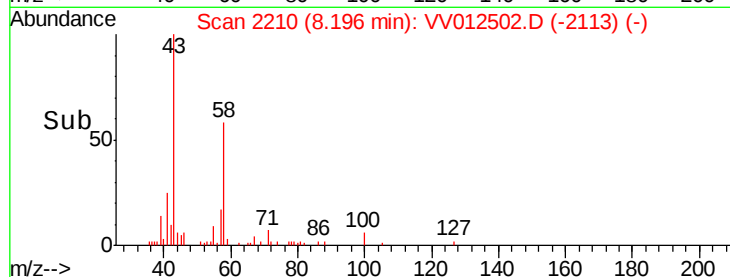
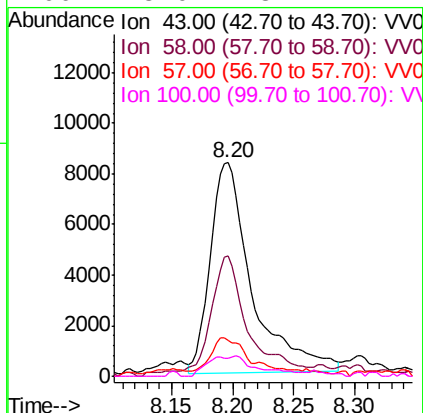
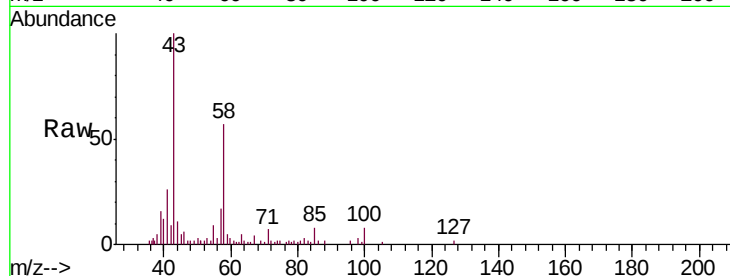




#48
2-Hexanone
Concen: 7.456 ug/L
RT: 8.20 min Scan# 2210
Delta R.T. 0.01 min
Lab File: VV012502.D
Acq: 01 Sep 2019 11:46

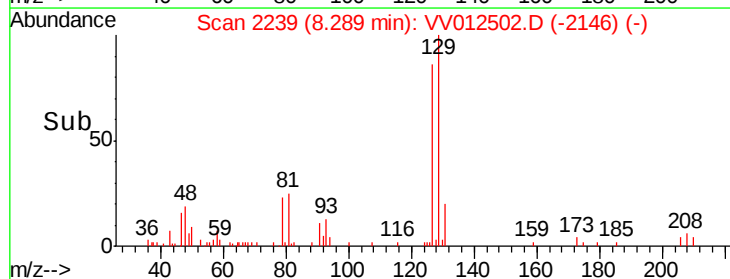
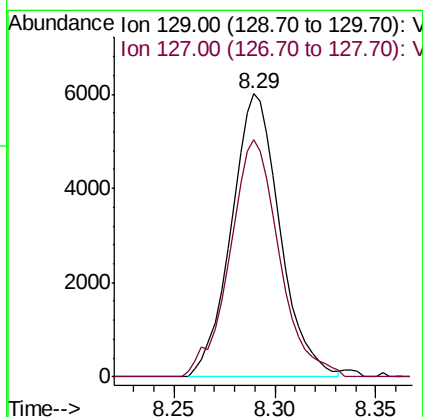
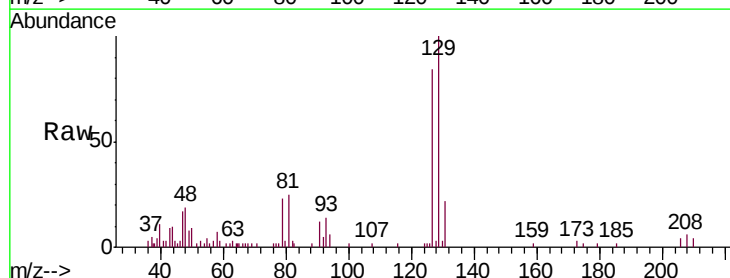
Instrument :
MSVOA_V
ClientSampleId :
VSTD00562

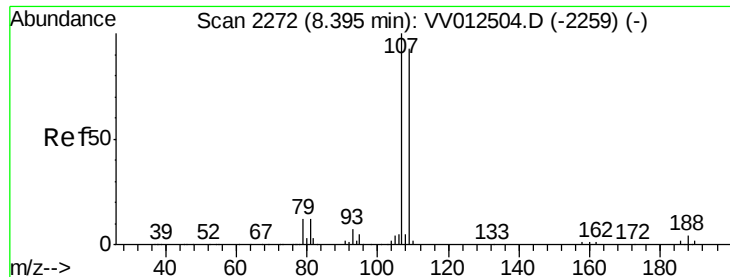
Tgt Ion:	43	Resp:	19925
Ion	Ratio	Lower	Upper
43	100		
58	40.7	40.6	61.0
57	11.8	13.3	19.9#
100	5.0	8.1	12.1#



#49
Dibromochloromethane
Concen: 4.379 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV012502.D
Acq: 01 Sep 2019 11:46

Tgt Ion:	129	Resp:	10123
Ion	Ratio	Lower	Upper
129	100		
127	83.6	54.7	101.5

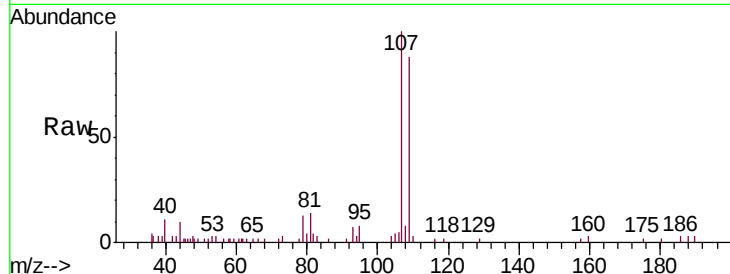




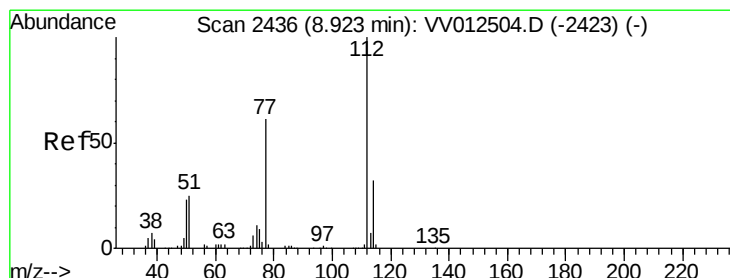
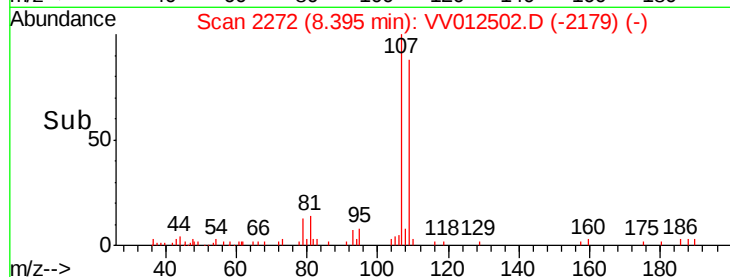
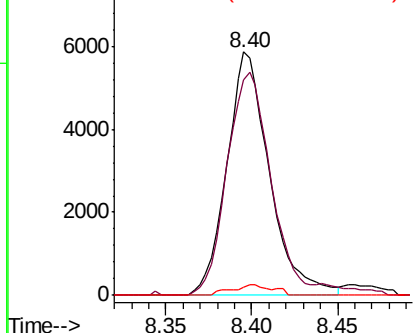
#50
1,2-Dibromoethane
Concen: 4.439 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV012502.D
Acq: 01 Sep 2019 11:46

Instrument :
MSVOA_V
ClientSampleId :
VSTD00562

Tgt Ion:107 Resp: 10121
Ion Ratio Lower Upper
107 100
109 88.2 65.0 120.6
188 3.2 3.0 4.4

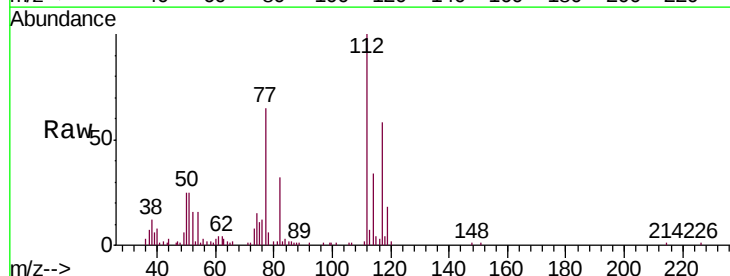


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

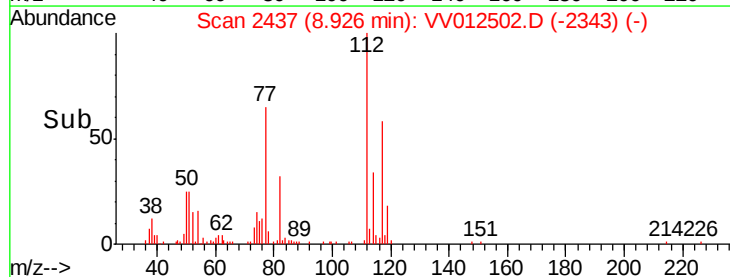
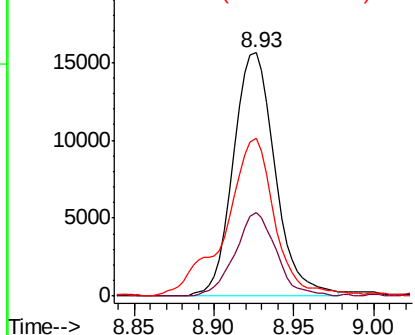


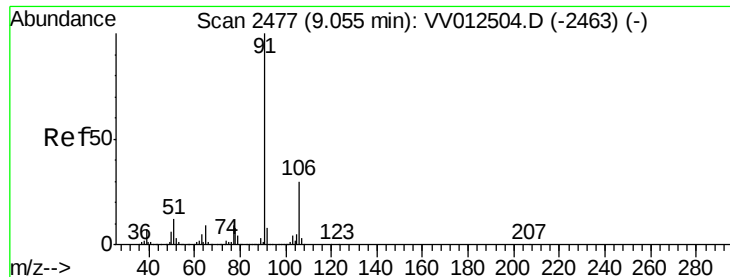
#51
Chlorobenzene
Concen: 4.668 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV012502.D
Acq: 01 Sep 2019 11:46

Tgt Ion:112 Resp: 27859
Ion Ratio Lower Upper
112 100
114 34.4 22.5 41.7
77 64.6 49.4 74.2



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: 4.174 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV012502.D

Acq: 01 Sep 2019 11:46

Instrument :

MSVOA_V

ClientSampleId :

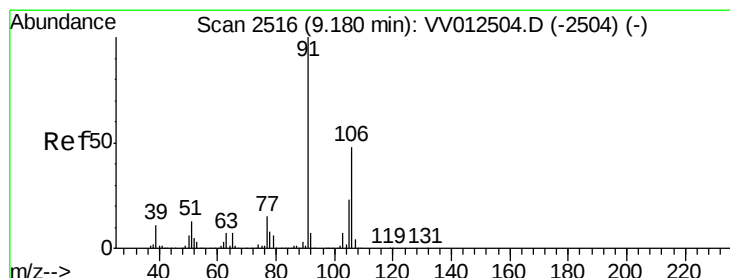
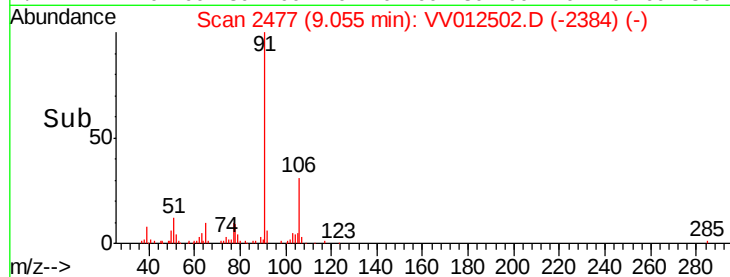
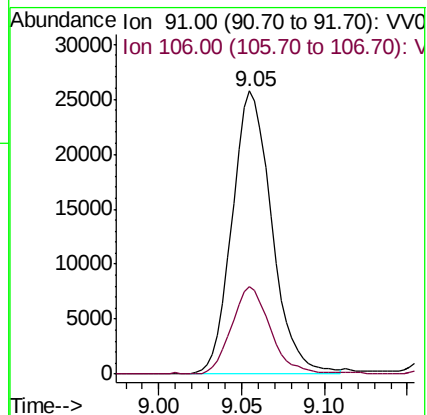
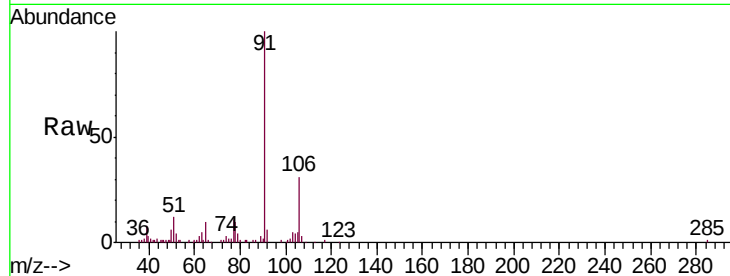
VSTD00562

Tgt Ion: 91 Resp: 42998

Ion Ratio Lower Upper

91 100

106 31.0 21.1 39.3



#53

m,p-Xylene

Concen: 3.827 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV012502.D

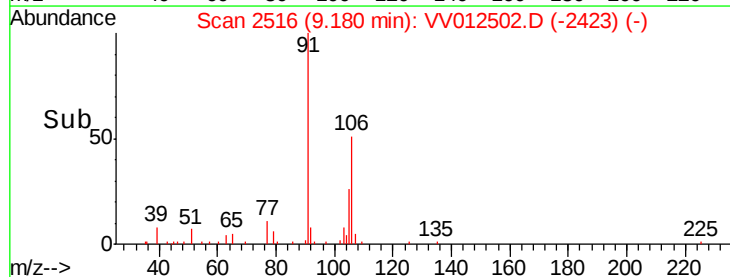
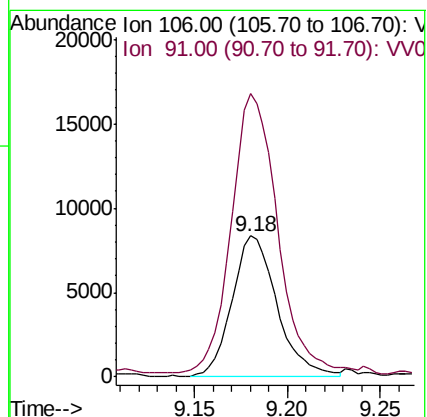
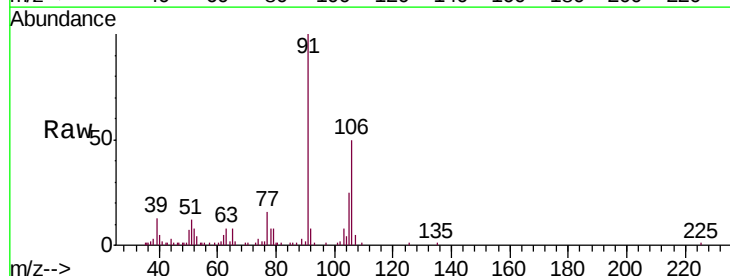
Acq: 01 Sep 2019 11:46

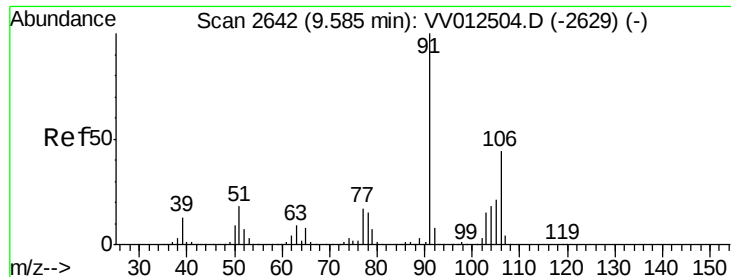
Tgt Ion: 106 Resp: 14159

Ion Ratio Lower Upper

106 100

91 200.4 146.2 271.6

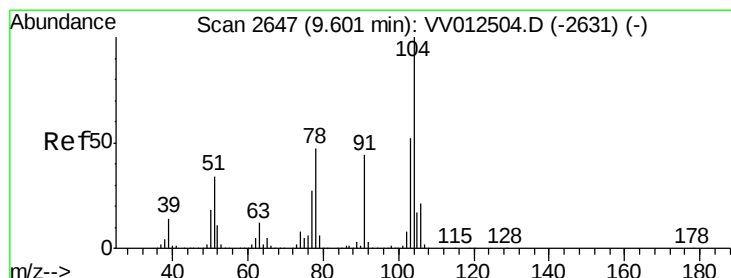
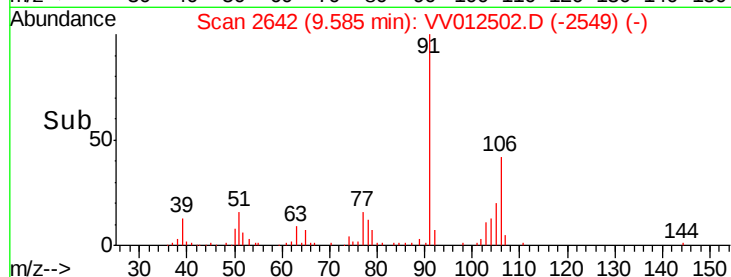
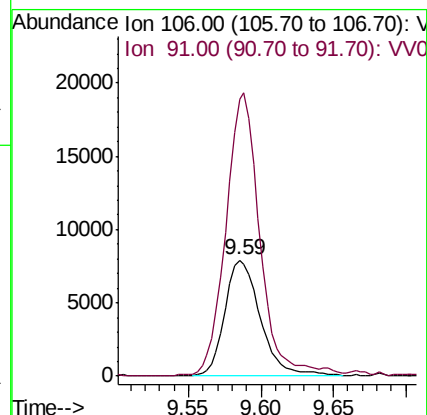
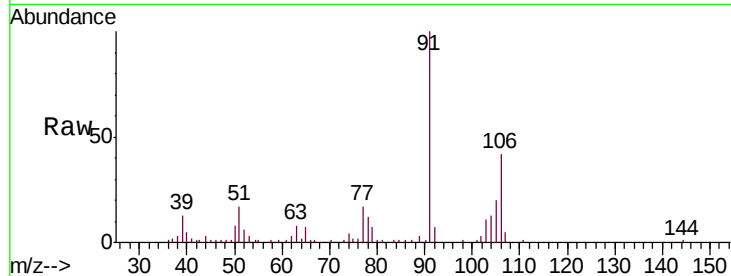




#54
o-xylene
Concen: 3.664 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.00 min
Lab File: VV012502.D
Acq: 01 Sep 2019 11:46

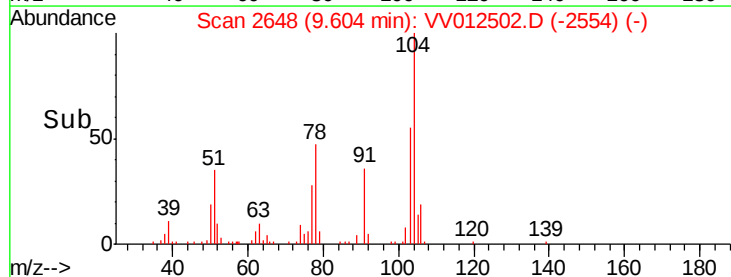
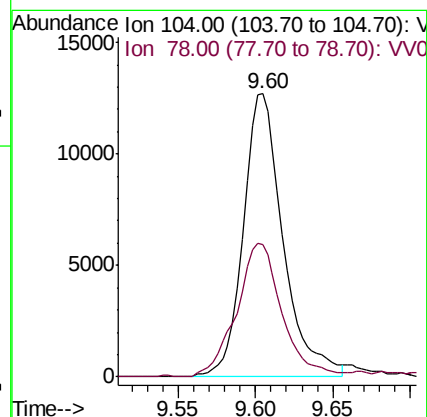
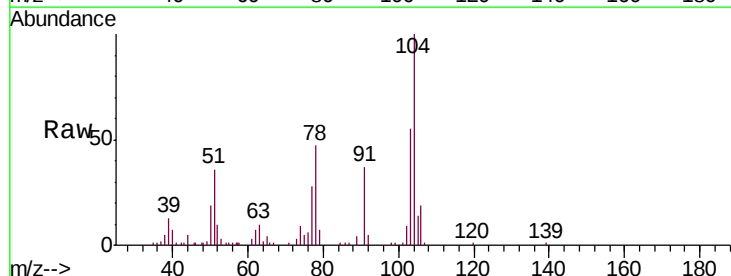
Instrument :
MSVOA_V
ClientSampleId :
VSTD00562

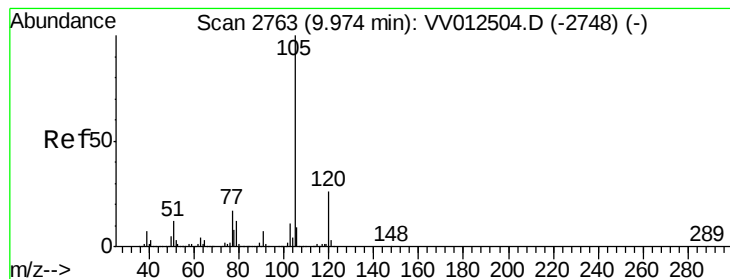
Tgt Ion:106 Resp: 13525
Ion Ratio Lower Upper
106 100
91 238.5 157.7 292.9



#55
Styrene
Concen: 3.637 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV012502.D
Acq: 01 Sep 2019 11:46

Tgt Ion:104 Resp: 22736
Ion Ratio Lower Upper
104 100
78 46.6 33.2 61.6





#56

Isopropylbenzene

Concen: 3.761 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV012502.D

Acq: 01 Sep 2019 11:46

Instrument :

MSVOA_V

ClientSampled :

VSTD00562

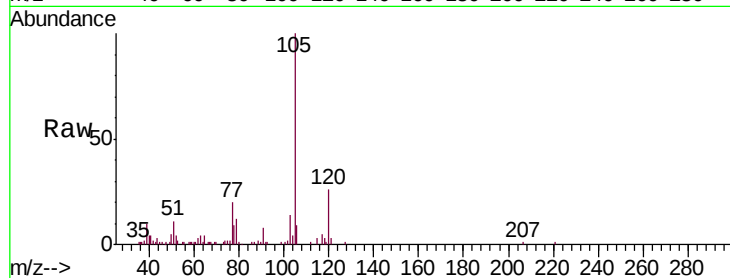
Tgt Ion: 105 Resp: 36204

Ion Ratio Lower Upper

105 100

120 24.7 20.4 30.6

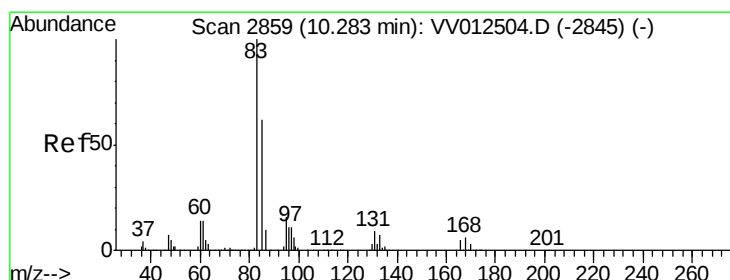
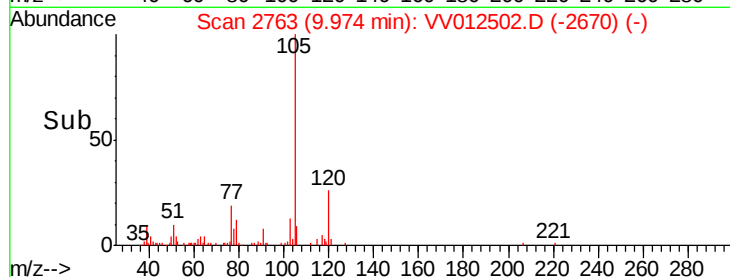
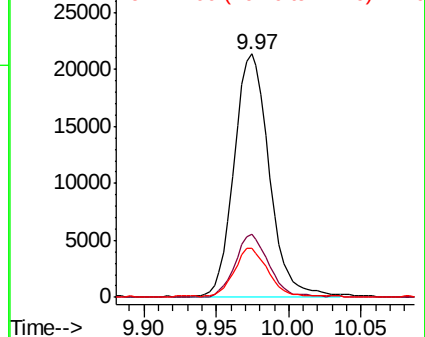
77 19.6 13.8 20.6



Abundance Ion 105.00 (104.70 to 105.70): VV012502.D (-2670) (-)

Ion 120.00 (119.70 to 120.70): VV012502.D (-2670) (-)

Ion 77.00 (76.70 to 77.70): VV012502.D (-2670) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 4.461 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV012502.D

Acq: 01 Sep 2019 11:46

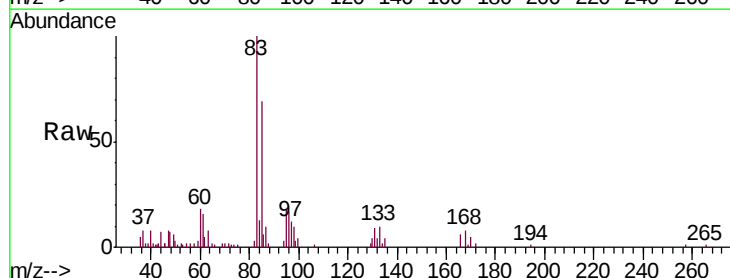
Tgt Ion: 83 Resp: 14583

Ion Ratio Lower Upper

83 100

85 68.9 43.4 80.6

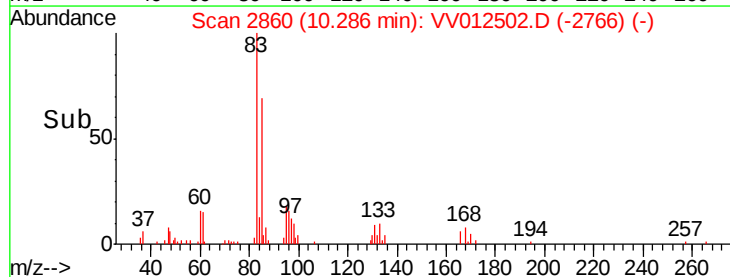
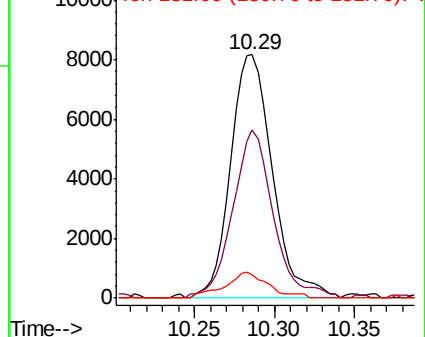
131 9.5 7.1 10.7

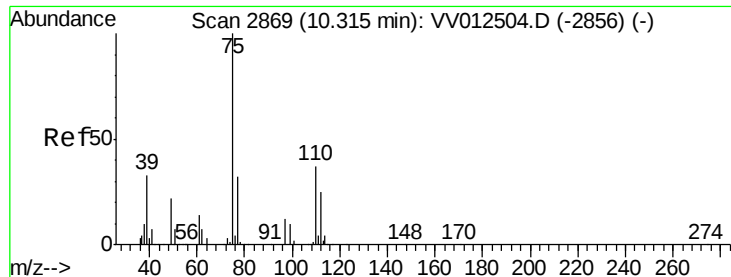


Abundance Ion 83.00 (82.70 to 83.70): VV012502.D (-2766) (-)

Ion 85.00 (84.70 to 85.70): VV012502.D (-2766) (-)

Ion 131.00 (130.70 to 131.70): VV012502.D (-2766) (-)





#59

1,2,3-Trichloropropane

Concen: 4.675 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VV012502.D

Acq: 01 Sep 2019 11:46

Instrument :

MSVOA_V

ClientSampleId :

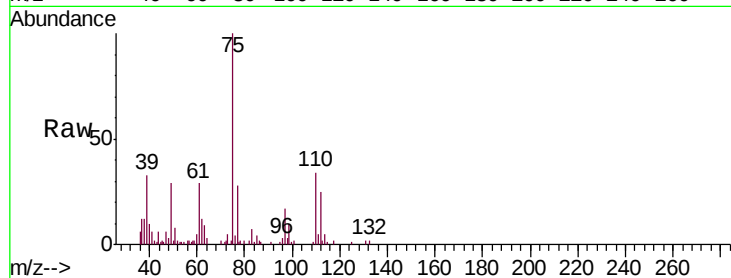
VSTD00562

Tgt Ion: 75 Resp: 13822

Ion Ratio Lower Upper

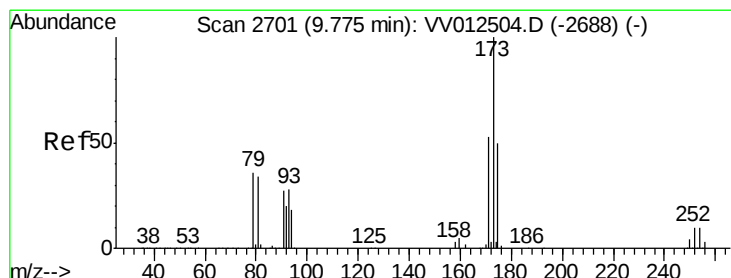
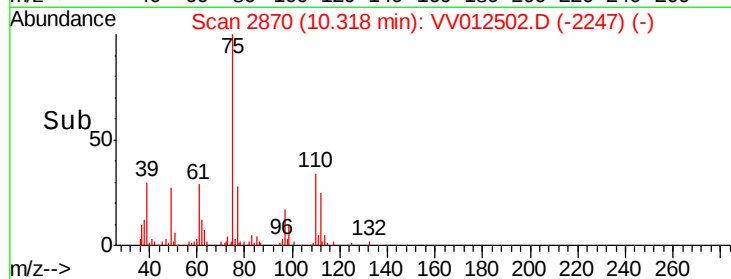
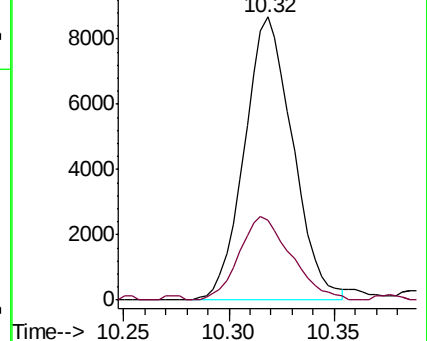
75 100

77 31.8 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VV012504.D (-2856) (-)

Ion 77.00 (76.70 to 77.70): VV012504.D (-2856) (-)



#61

Bromoform

Concen: 5.025 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VV012502.D

Acq: 01 Sep 2019 11:46

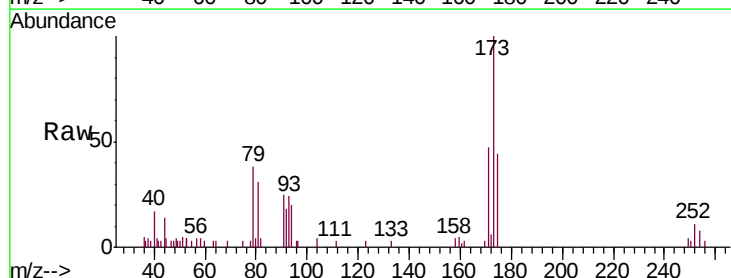
Tgt Ion: 173 Resp: 6660

Ion Ratio Lower Upper

173 100

175 49.0 39.4 59.0

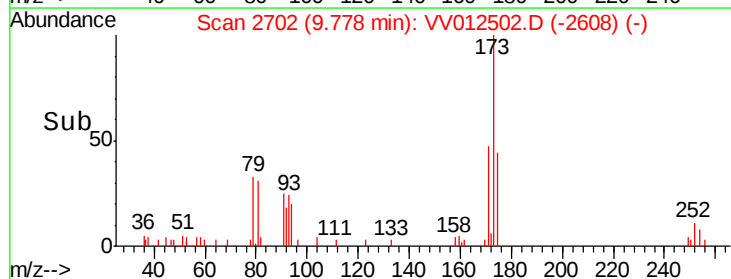
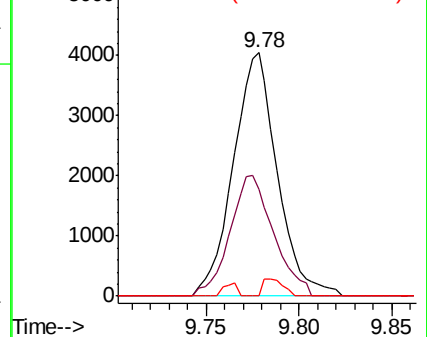
254 3.3 7.5 11.3#

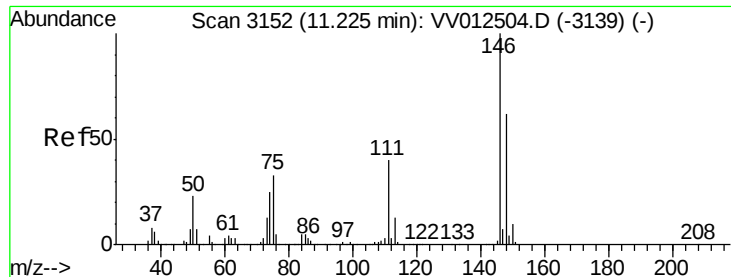


Abundance Ion 173.00 (172.70 to 173.70): VV012504.D (-2688) (-)

Ion 175.00 (174.70 to 175.70): VV012504.D (-2688) (-)

Ion 254.00 (253.70 to 254.70): VV012504.D (-2688) (-)





#62

1,3-Dichlorobenzene

Concen: 4.565 ug/L

RT: 11.22 min Scan# 3152

Delta R.T. 0.00 min

Lab File: VV012502.D

Acq: 01 Sep 2019 11:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD00562

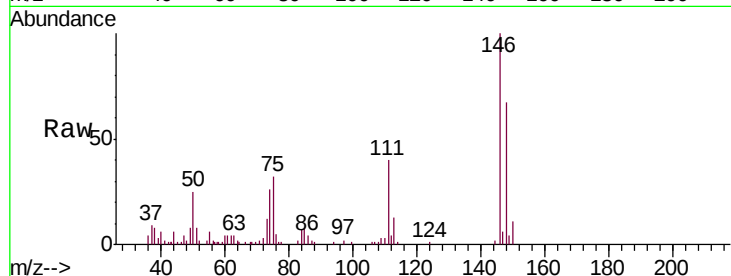
Tgt Ion:146 Resp: 17411

Ion Ratio Lower Upper

146 100

111 39.8 27.7 51.5

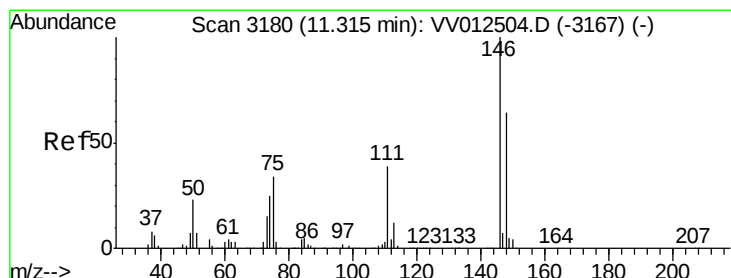
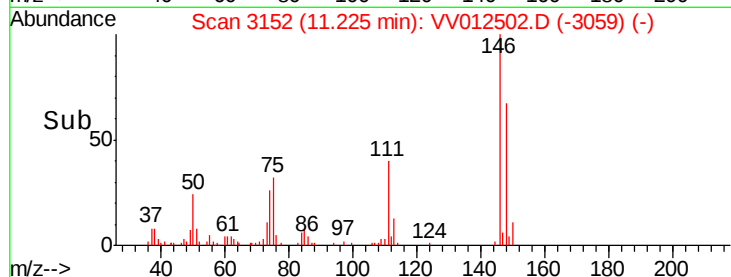
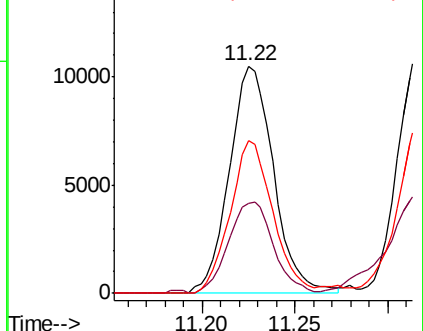
148 67.5 43.4 80.6



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



#63

1,4-Dichlorobenzene

Concen: 4.948 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. 0.00 min

Lab File: VV012502.D

Acq: 01 Sep 2019 11:46

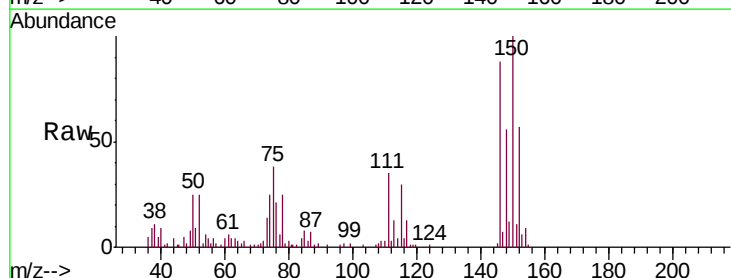
Tgt Ion:146 Resp: 19529

Ion Ratio Lower Upper

146 100

111 39.5 27.6 51.4

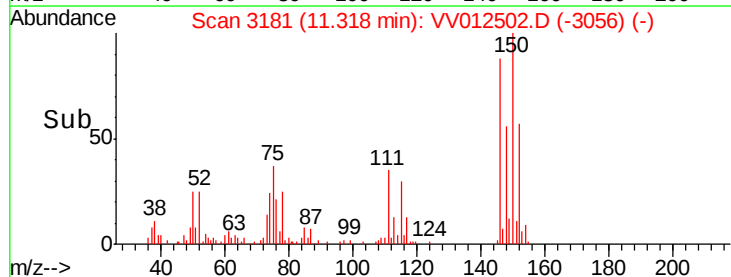
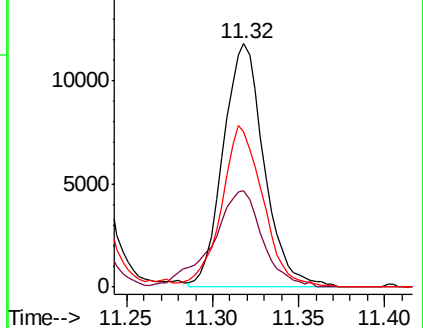
148 63.6 44.6 82.8

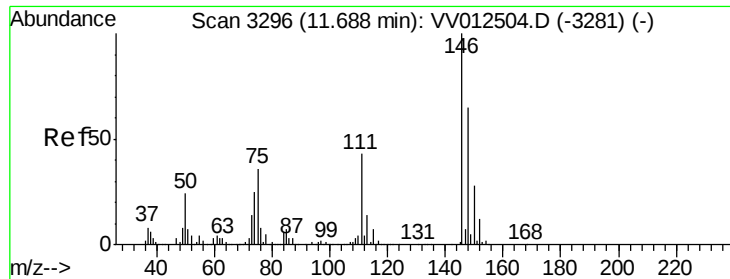


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

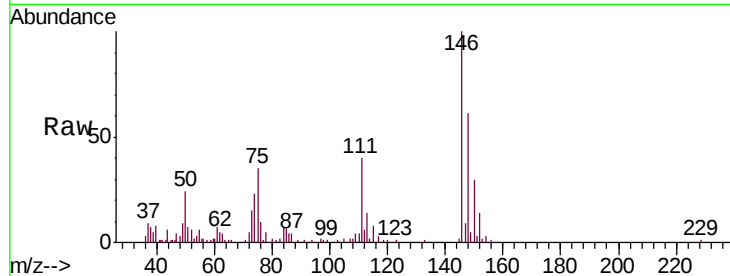




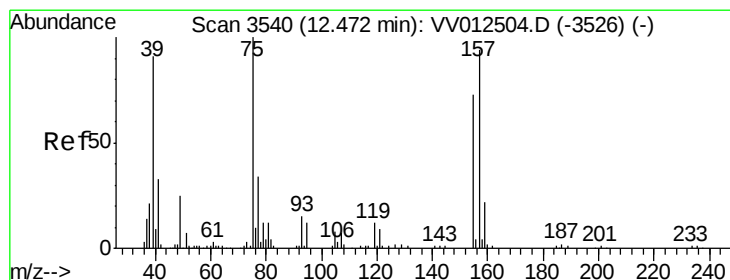
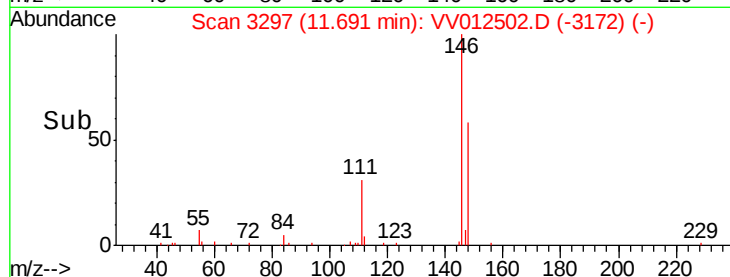
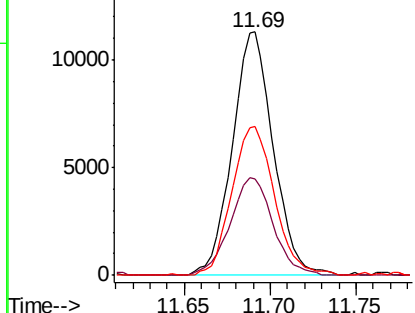
#65
 1,2-Dichlorobenzene
 Concen: 4.864 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VV012502.D
 Acq: 01 Sep 2019 11:46

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00562

Tgt Ion: 146 Resp: 18759
 Ion Ratio Lower Upper
 146 100
 111 39.8 34.4 51.6
 148 61.1 51.6 77.4

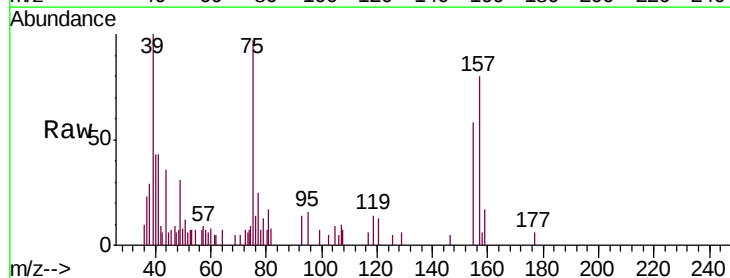


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

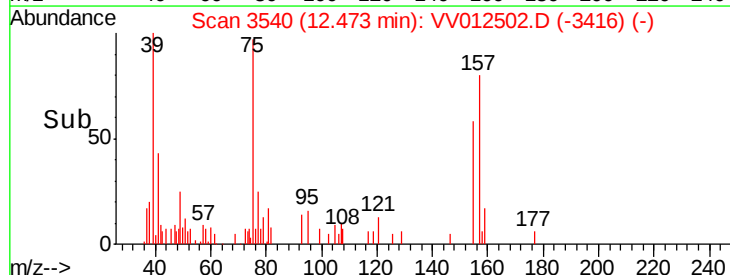
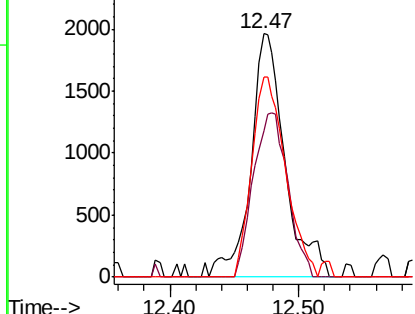


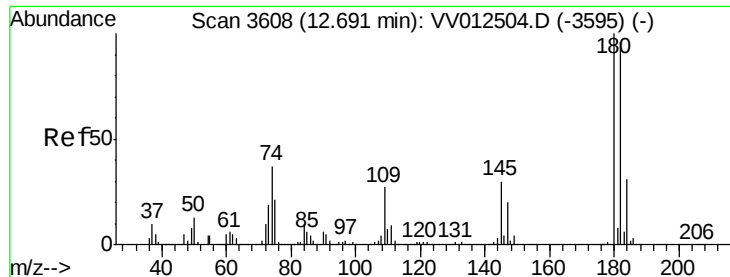
#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.596 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. 0.00 min
 Lab File: VV012502.D
 Acq: 01 Sep 2019 11:46

Tgt Ion: 75 Resp: 3637
 Ion Ratio Lower Upper
 75 100
 155 60.1 58.2 87.2
 157 82.4 75.4 113.2



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

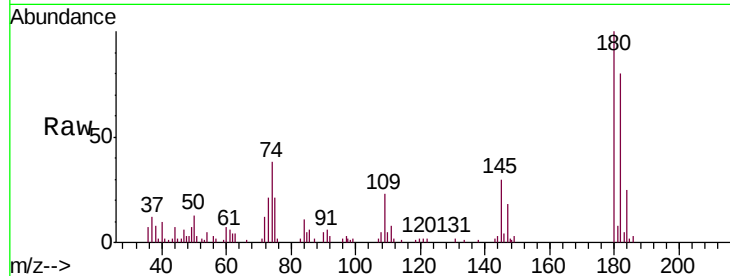




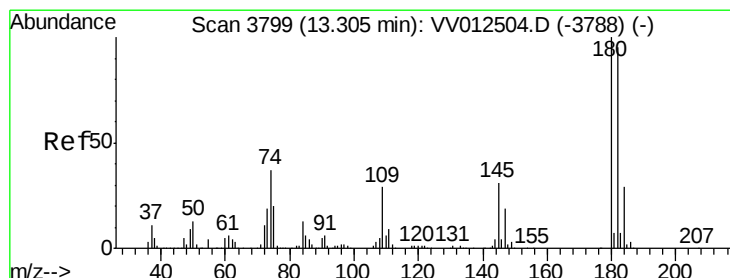
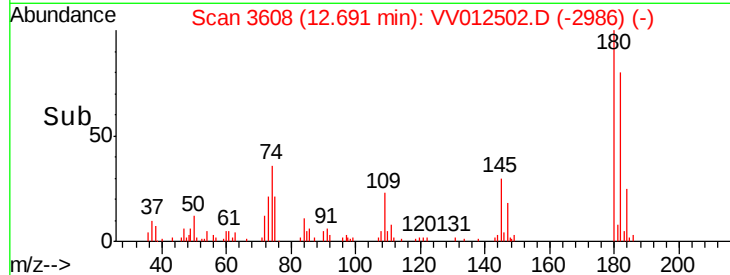
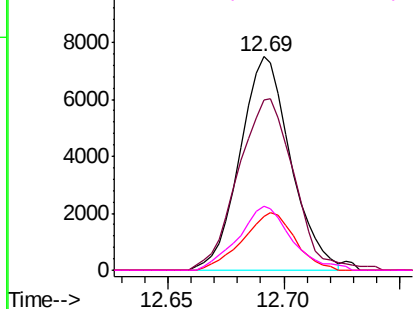
#67
 1,3,5-Trichlorobenzene
 Concen: 4.464 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV012502.D
 Acq: 01 Sep 2019 11:46

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00562

Tgt Ion:180 Resp: 11372
 Ion Ratio Lower Upper
 180 100
 182 88.6 76.7 115.1
 184 27.5 24.2 36.4
 145 31.6 24.6 37.0

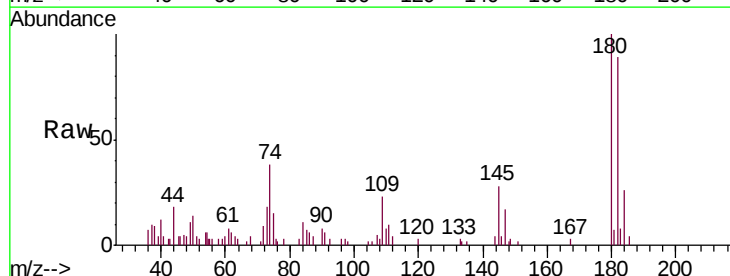


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

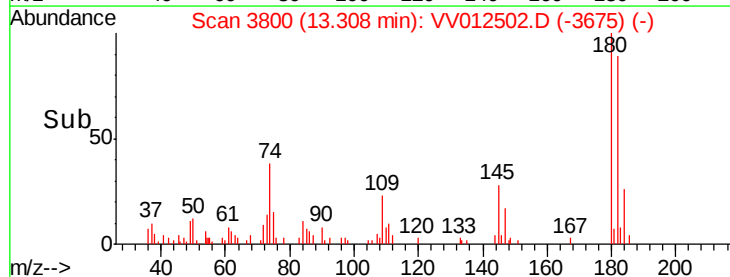
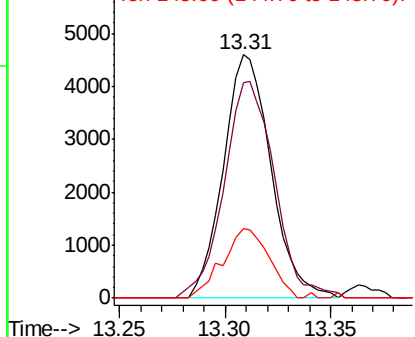


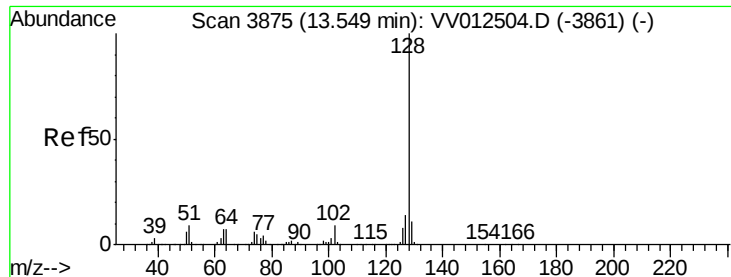
#68
 1,2,4-trichlorobenzene
 Concen: 3.447 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV012502.D
 Acq: 01 Sep 2019 11:46

Tgt Ion:180 Resp: 7222
 Ion Ratio Lower Upper
 180 100
 182 93.9 77.9 116.9
 145 27.6 25.0 37.4



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





#69

Naphthalene

Concen: 2.259 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV012502.D

Acq: 01 Sep 2019 11:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD00562

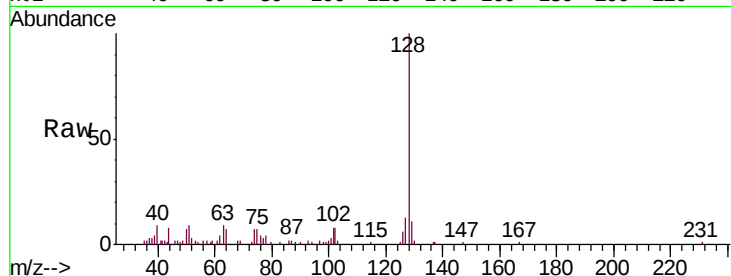
Tgt Ion:128 Resp: 14795

Ion Ratio Lower Upper

128 100

127 14.6 10.9 16.3

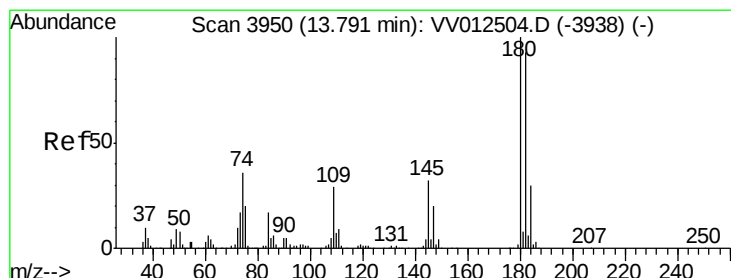
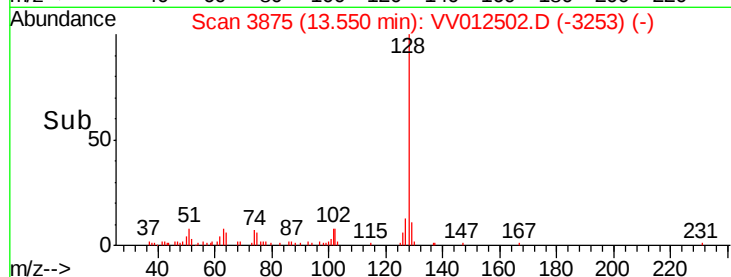
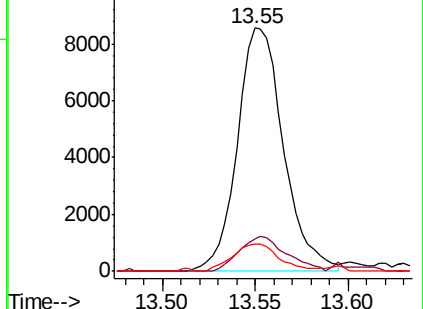
129 11.2 8.7 13.1



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: 3.428 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV012502.D

Acq: 01 Sep 2019 11:46

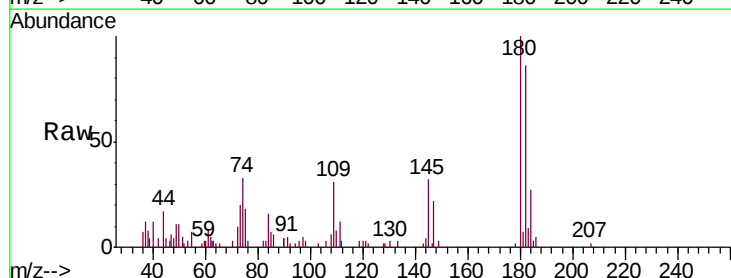
Tgt Ion:180 Resp: 7391

Ion Ratio Lower Upper

180 100

182 90.4 74.2 111.2

145 35.8 25.9 38.9



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

