

Data File : VV012431.D
Acq On : 28 Aug 2019 19:09
Operator : SY/MD
Sample : VSTD0.534
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.534

Quant Time: Aug 29 01:58:16 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR082819WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Aug 29 01:55:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	213083	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	205949	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	90955	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	1094	0.12	ug/L	0.00
7) Chloroethane-d5	1.59	69	1075	0.16	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.14	63	6390	0.36	ug/L	0.00
20) 2-Butanone-d5	3.97	46	15626	5.26	ug/L	0.01
24) Chloroform-d	4.40	84	11048	0.47	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	4421	0.40	ug/L	0.00
32) Benzene-d6	5.10	84	12178	0.27	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	6407	0.45	ug/L	0.00
41) Toluene-d8	7.36	98	11783	0.29	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	2196	0.40	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	10000	5.19	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	6285	0.61	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	7383	0.50	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	15237	0.738 ug/L	99
3) Chloromethane	1.25	50	12715	0.788 ug/L	97
5) Vinyl chloride	1.32	62	11067	0.719 ug/L	98
6) Bromomethane	1.54	94	5903	0.794 ug/L	98
8) Chloroethane	1.60	64	6071	0.772 ug/L	93
9) Trichlorofluoromethane	1.77	101	15082	0.726 ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	7491	0.707 ug/L	97
12) 1,1-Dichloroethene	2.14	96	7045	0.723 ug/L	88
13) Acetone	2.22	43	12865	8.935 ug/L	99
14) Carbon disulfide	2.32	76	21412	0.703 ug/L	99
15) Methyl Acetate	2.47	43	3067	0.857 ug/L #	89
16) Methylene chloride	2.54	84	9243	0.861 ug/L	99
17) Methyl tert-butyl Ether	2.81	73	20502	0.700 ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	9692	0.682 ug/L	92
19) 1,1-Dichloroethane	3.23	63	19130	0.712 ug/L	99
21) 2-Butanone	4.05	43	19890	5.952 ug/L #	72
22) cis-1,2-Dichloroethene	3.96	96	10150	0.655 ug/L	100
23) Bromochloromethane	4.31	128	4245	0.649 ug/L	98
25) Chloroform	4.43	83	22822	0.773 ug/L	99
27) 1,2-Dichloroethane	5.18	62	10707	0.674 ug/L	98
29) 1,1,1-Trichloroethane	4.66	97	15942	0.690 ug/L	98
30) Cyclohexane	4.72	56	14240	0.594 ug/L	98
31) Carbon tetrachloride	4.87	117	13770	0.675 ug/L	98
33) Benzene	5.15	78	39213	0.666 ug/L	100
34) Trichloroethene	5.96	95	10620	0.677 ug/L	91
35) Methylcyclohexane	6.17	83	13867	0.557 ug/L	98
37) 1,2-Dichloropropane	6.22	63	10167	0.678 ug/L	99
38) Bromodichloromethane	6.56	83	13707	0.739 ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	12045	0.596 ug/L	88
40) 4-Methyl-2-pentanone	7.28	43	48350	5.867 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	36846	0.609	ug/L	96
44) trans-1,3-Dichloropropene	7.70	75	9594	0.634	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	7110	0.732	ug/L	93
47) Tetrachloroethene	8.02	164	8614	0.678	ug/L	95
48) 2-Hexanone	8.19	43	30745	5.213	ug/L	99
49) Dibromochloromethane	8.29	129	7904	0.676	ug/L	99
50) 1,2-Dibromoethane	8.40	107	6217	0.685	ug/L #	97
51) Chlorobenzene	8.92	112	25962	0.661	ug/L	99
52) Ethylbenzene	9.05	91	38706	0.592	ug/L	99
53) m,p-xylene	9.18	106	13382	0.543	ug/L	91
54) o-xylene	9.59	106	13042	0.556	ug/L	98
55) Styrene	9.60	104	20117	0.511	ug/L	97
56) Isopropylbenzene	9.97	105	33545	0.538	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.29	83	8192	0.756	ug/L	92
59) 1,2,3-Trichloropropane	10.32	75	6261	0.752	ug/L	98
61) Bromoform	9.77	173	4297	0.728	ug/L	98
62) 1,3-Dichlorobenzene	11.22	146	18045	0.654	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	17963	0.650	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	17285	0.680	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	1518	1.000	ug/L #	73
67) 1,3,5-Trichlorobenzene	12.69	180	13949	0.658	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	10120	0.667	ug/L	96
69) Naphthalene	13.55	128	15090	0.690	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	9358	0.655	ug/L	93

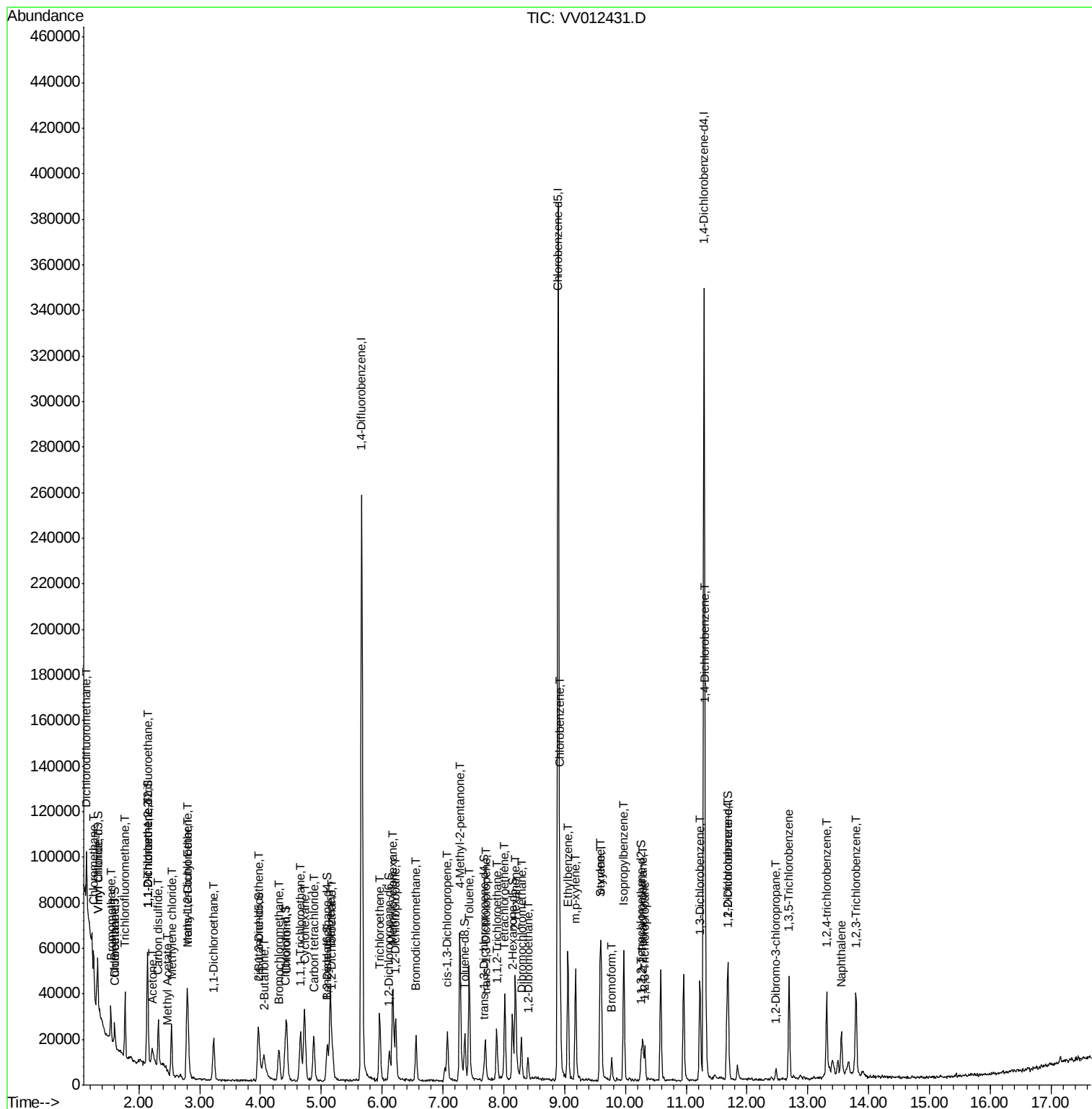
(#) = qualifier out of range (m) = manual integration (+) = signals summed

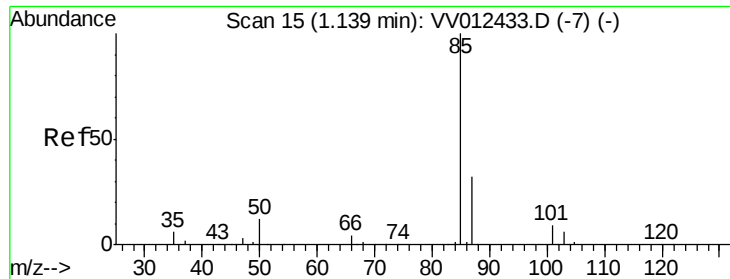
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#2

Dichlorodifluoromethane

Concen: 0.738 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

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Acq: 28 Aug 2019 19:09

Instrument :

MSVOA_V

ClientSampleId :

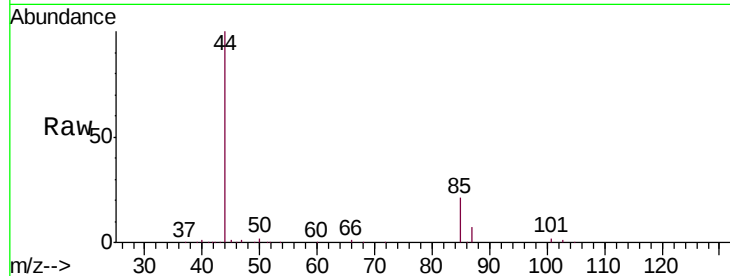
VSTD0.534

Tgt Ion: 85 Resp: 15237

Ion Ratio Lower Upper

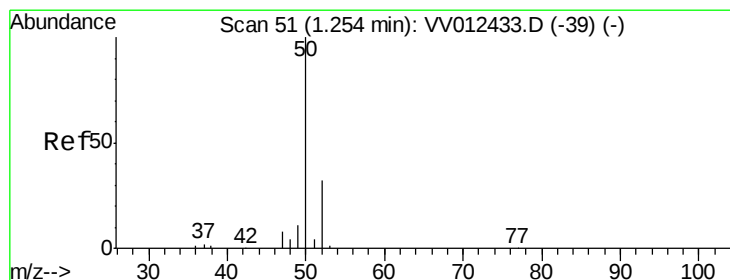
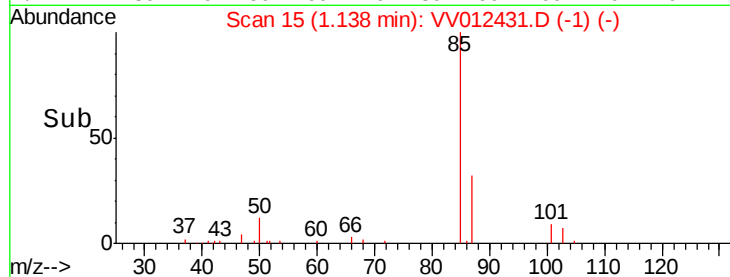
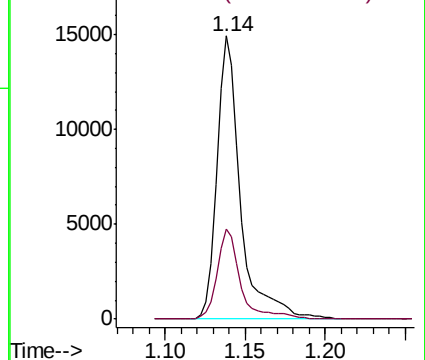
85 100

87 31.6 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 0.788 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV012431.D

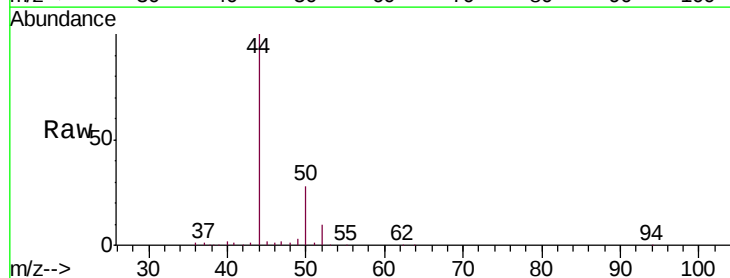
Acq: 28 Aug 2019 19:09

Tgt Ion: 50 Resp: 12715

Ion Ratio Lower Upper

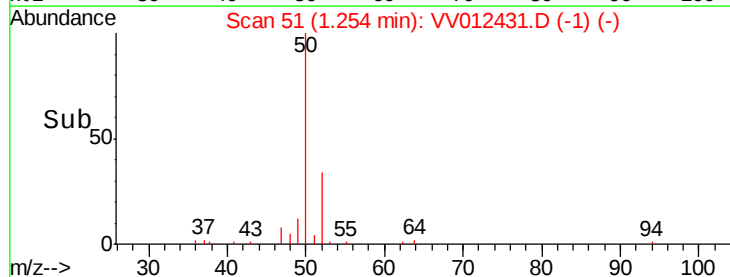
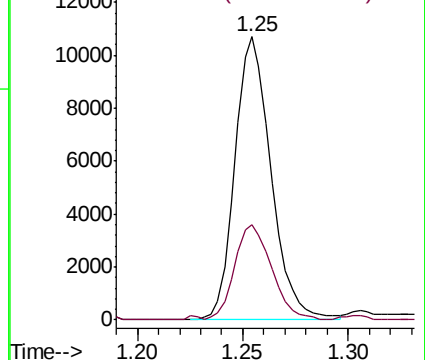
50 100

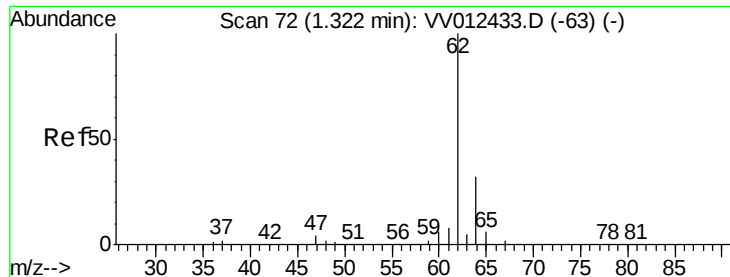
52 33.8 22.3 41.5



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 0.719 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV012431.D

Acq: 28 Aug 2019 19:09

Instrument :

MSVOA_V

ClientSampleId :

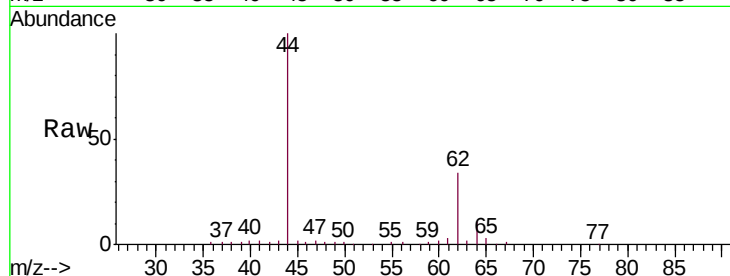
VSTD0.534

Tgt Ion: 62 Resp: 11067

Ion Ratio Lower Upper

62 100

64 33.0 22.3 41.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

12000

10000

8000

6000

4000

2000

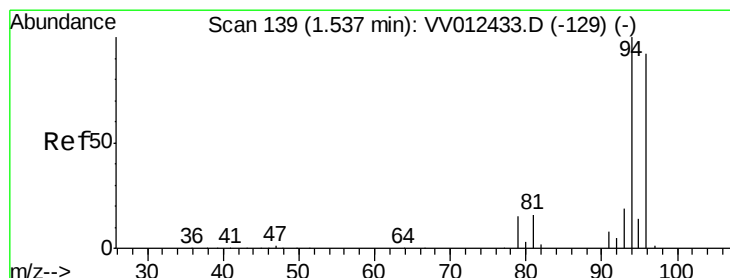
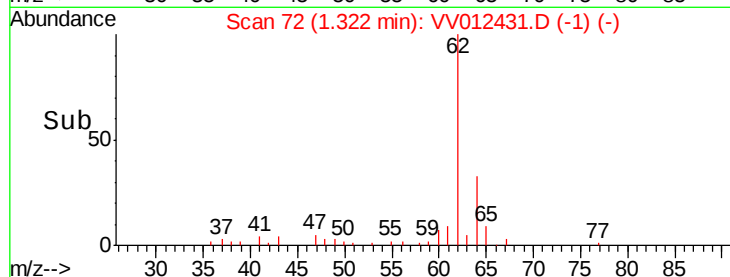
0

1.32

1.35

1.40

Time-->



#6

Bromomethane

Concen: 0.794 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV012431.D

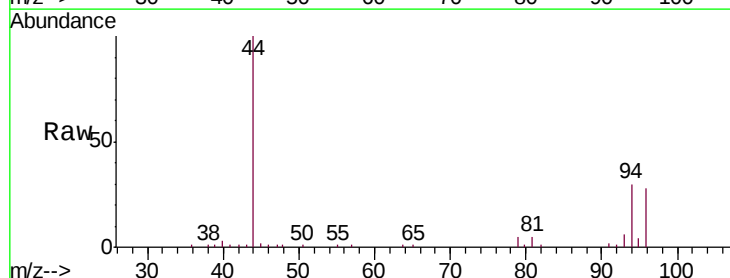
Acq: 28 Aug 2019 19:09

Tgt Ion: 94 Resp: 5903

Ion Ratio Lower Upper

94 100

96 93.4 64.3 119.3



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

6000

5000

4000

3000

2000

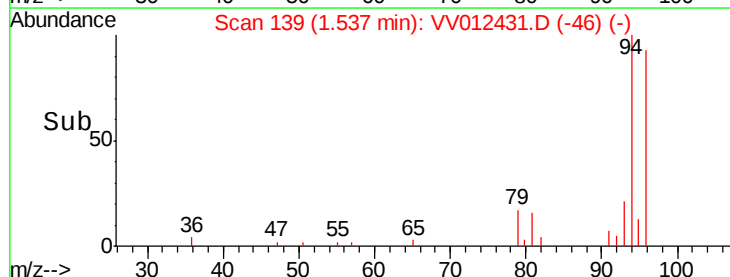
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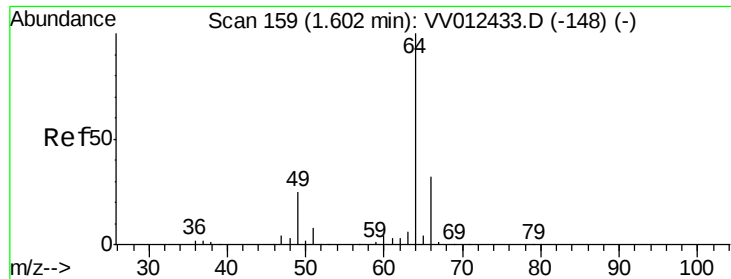
0

1.54

1.55

Time-->





#8

Chloroethane

Concen: 0.772 ug/L

RT: 1.60 min Scan# 159

Delta R.T. -0.00 min

Lab File: VV012431.D

Acq: 28 Aug 2019 19:09

Instrument :

MSVOA_V

ClientSampleId :

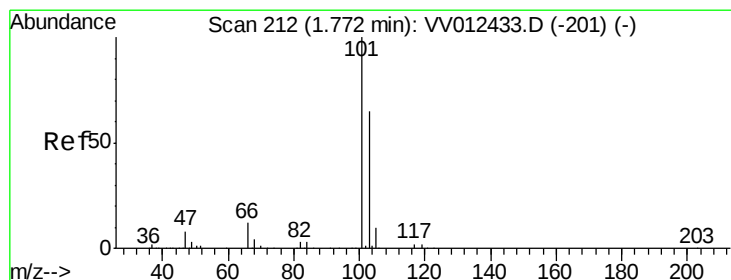
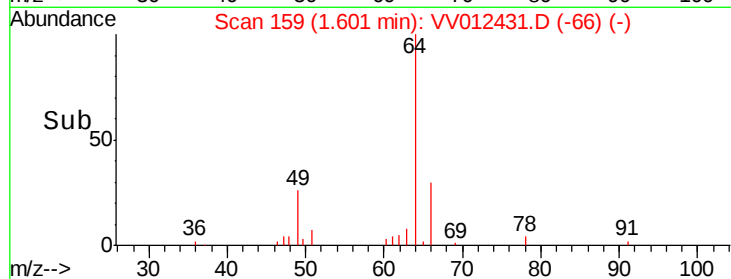
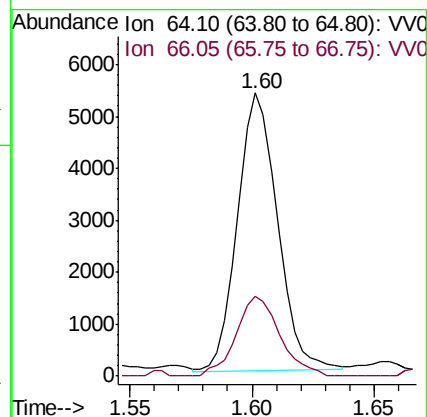
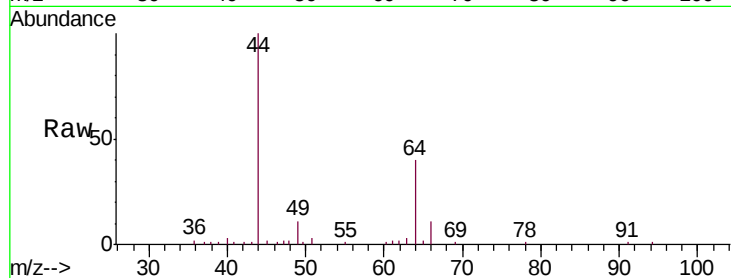
VSTD0.534

Tgt Ion: 64 Resp: 6071

Ion Ratio Lower Upper

64 100

66 28.3 22.4 41.6



#9

Trichlorofluoromethane

Concen: 0.726 ug/L

RT: 1.77 min Scan# 212

Delta R.T. -0.00 min

Lab File: VV012431.D

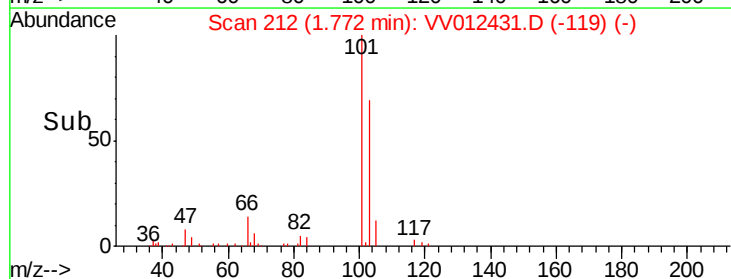
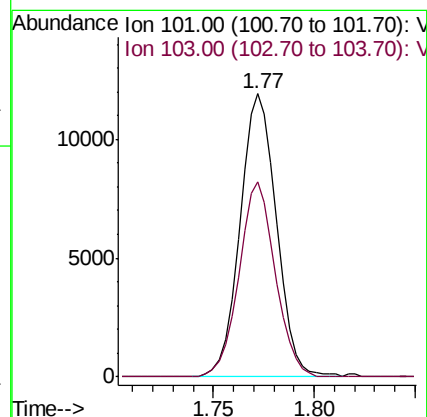
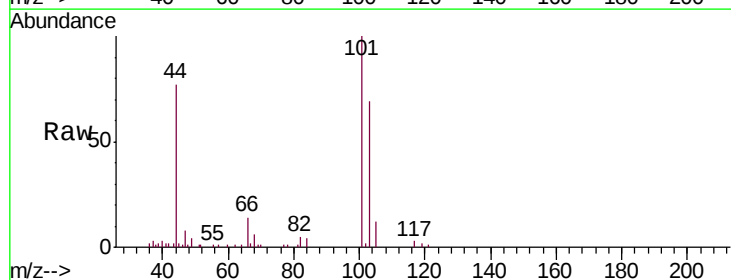
Acq: 28 Aug 2019 19:09

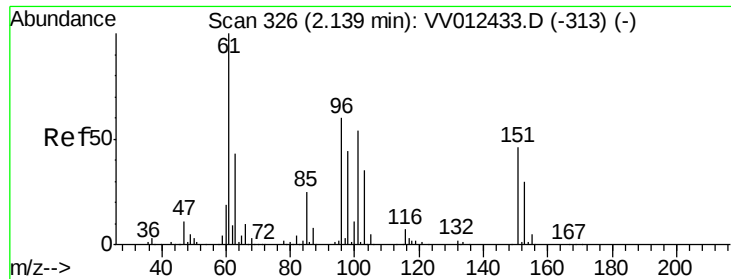
Tgt Ion: 101 Resp: 15082

Ion Ratio Lower Upper

101 100

103 68.4 51.8 77.6





#10

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

Concen: 0.707 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV012431.D

Acq: 28 Aug 2019 19:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.534

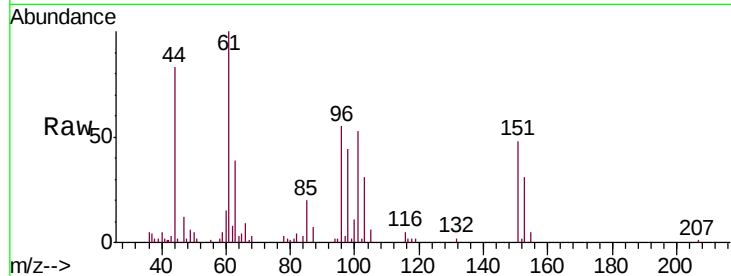
Tgt Ion: 101 Resp: 7491

Ion Ratio Lower Upper

101 100

85 41.9 35.9 53.9

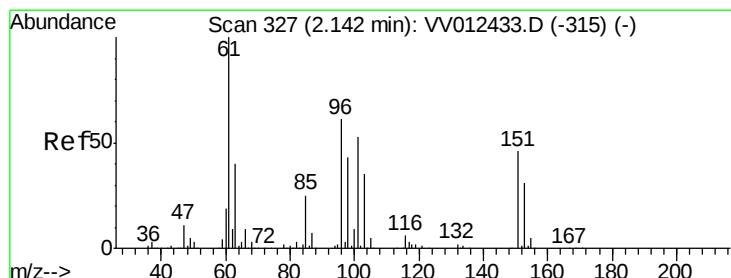
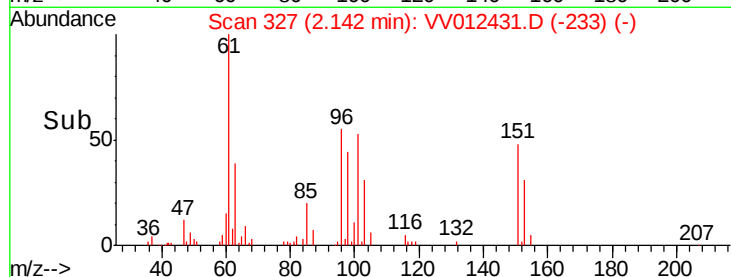
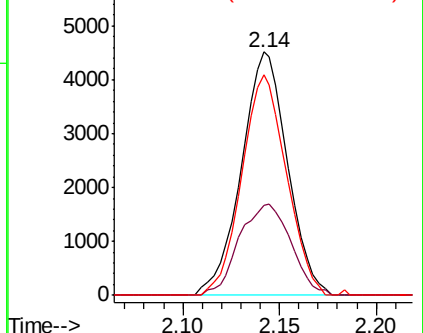
151 87.3 68.4 102.6



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: 0.723 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV012431.D

Acq: 28 Aug 2019 19:09

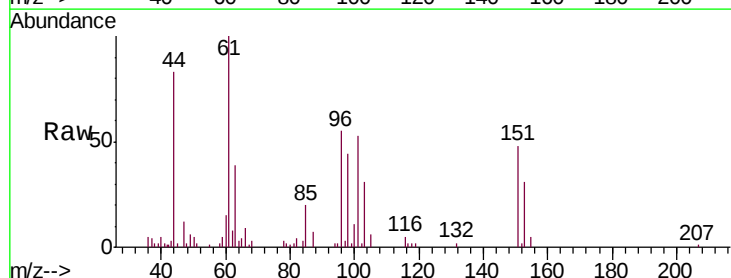
Tgt Ion: 96 Resp: 7045

Ion Ratio Lower Upper

96 100

61 181.6 114.0 211.6

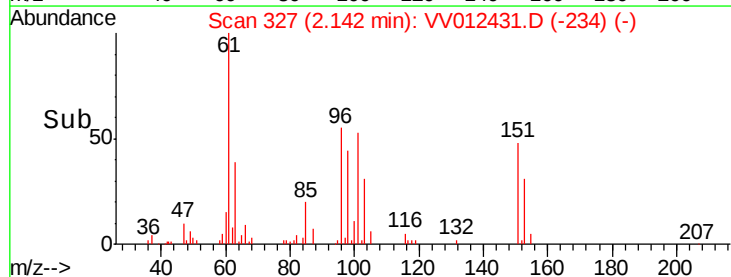
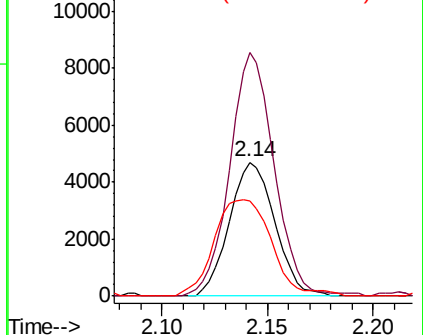
63 70.6 45.3 84.1

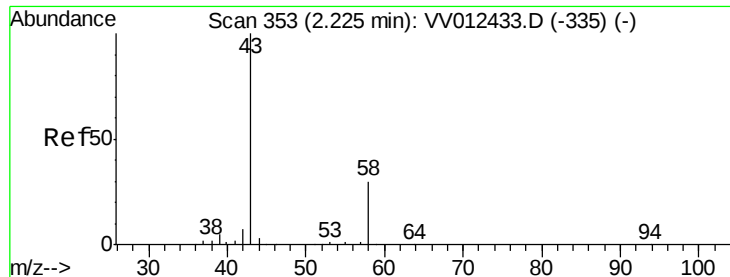


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 8.935 ug/L

RT: 2.22 min Scan# 351

Delta R.T. -0.01 min

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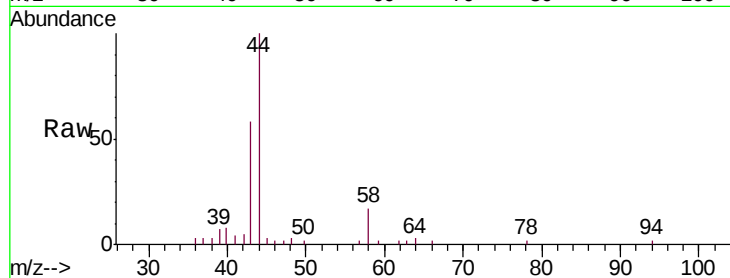
VSTD0.534

Tgt Ion: 43 Resp: 12865

Ion Ratio Lower Upper

43 100

58 28.8 0.0 56.2



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

2.22

4000

3000

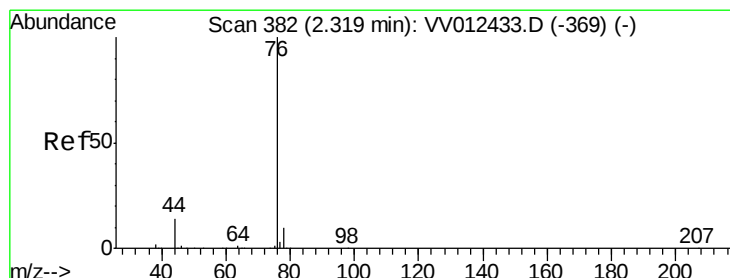
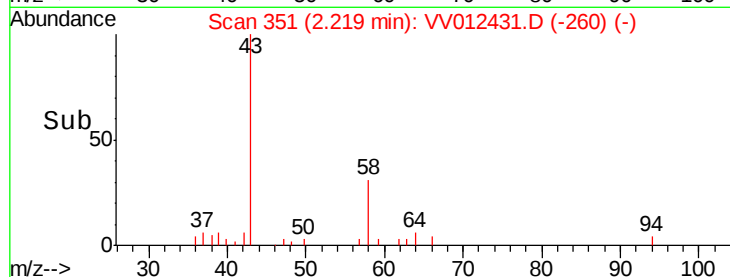
2000

1000

0

2.20 2.30

Time-->



#14

Carbon disulfide

Concen: 0.703 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VV012431.D

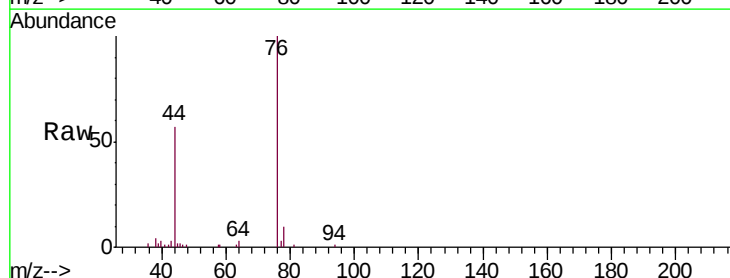
Acq: 28 Aug 2019 19:09

Tgt Ion: 76 Resp: 21412

Ion Ratio Lower Upper

76 100

78 9.8 7.7 11.5



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

2.32

15000

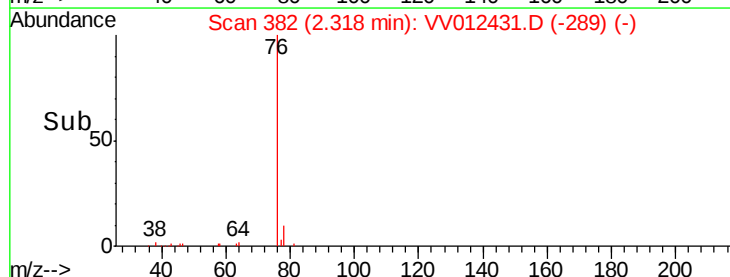
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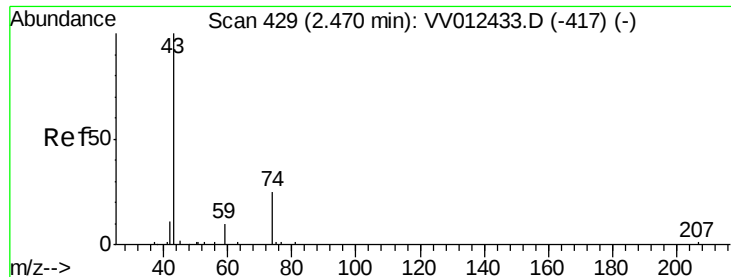
5000

0

2.25 2.30 2.35

Time-->

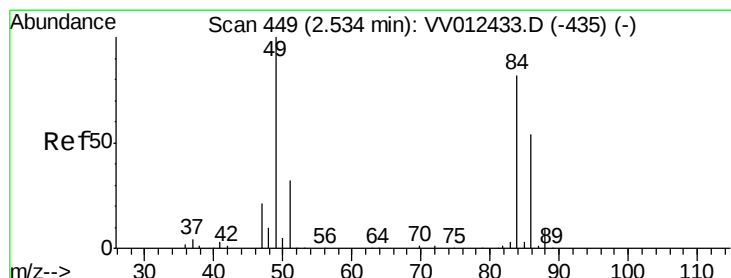
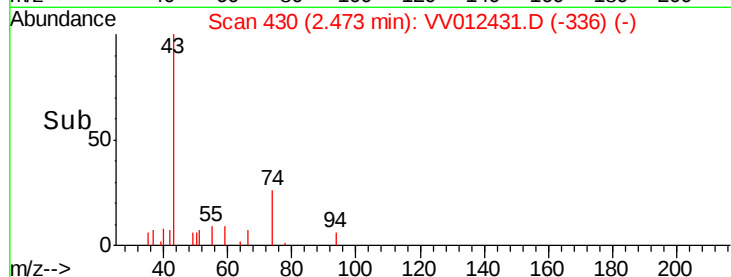
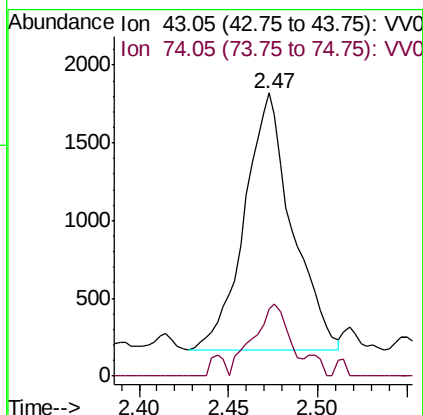
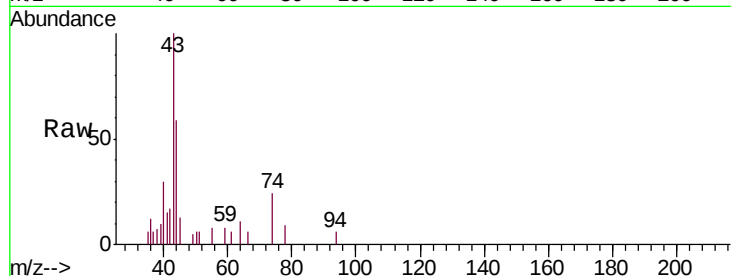




#15
Methyl Acetate
Concen: 0.857 ug/L
RT: 2.47 min Scan# 430
Delta R.T. 0.00 min
Lab File: VV012431.D
Acq: 28 Aug 2019 19:09

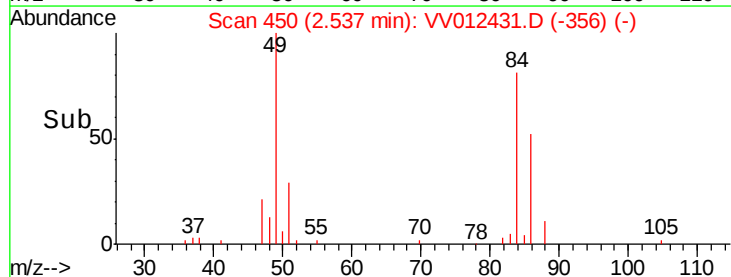
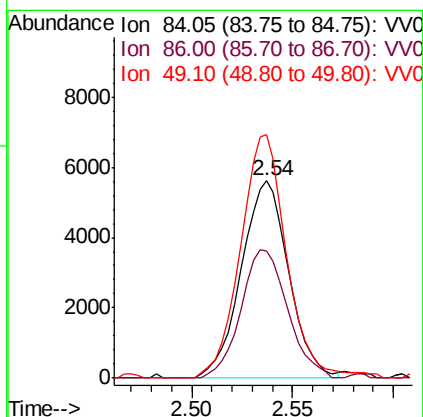
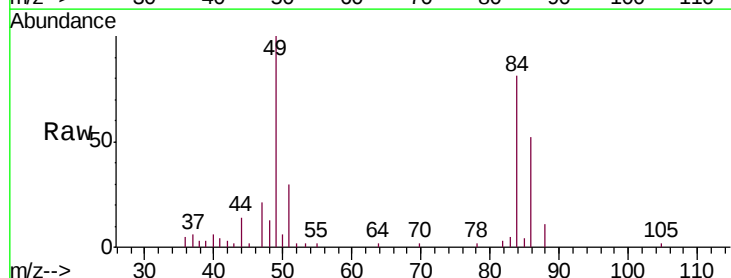
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.534

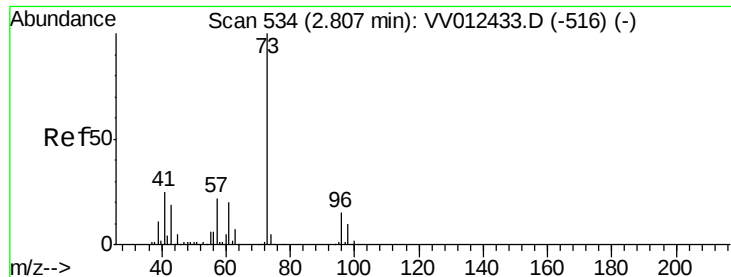
Tgt Ion: 43 Resp: 3067
Ion Ratio Lower Upper
43 100
74 21.3 21.7 32.5#



#16
Methylene chloride
Concen: 0.861 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV012431.D
Acq: 28 Aug 2019 19:09

Tgt Ion: 84 Resp: 9243
Ion Ratio Lower Upper
84 100
86 64.7 45.8 85.0
49 123.5 85.5 158.9





#17

Methyl tert-butyl Ether

Concen: 0.700 ug/L

RT: 2.81 min Scan# 534

Delta R.T. -0.00 min

Lab File: VV012431.D

Acq: 28 Aug 2019 19:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.534

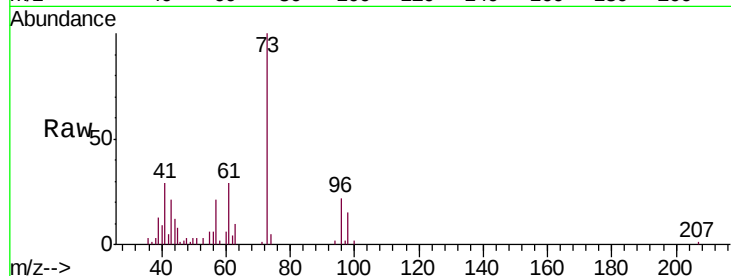
Tgt Ion: 73 Resp: 20502

Ion Ratio Lower Upper

73 100

43 21.4 15.9 23.9

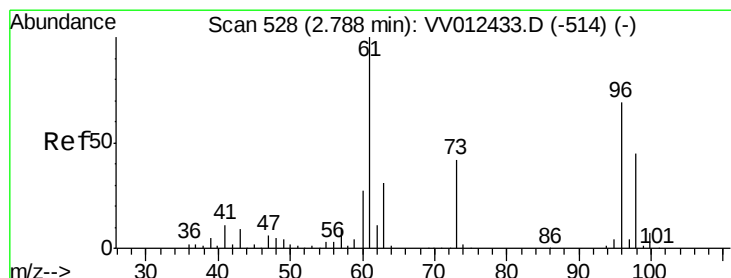
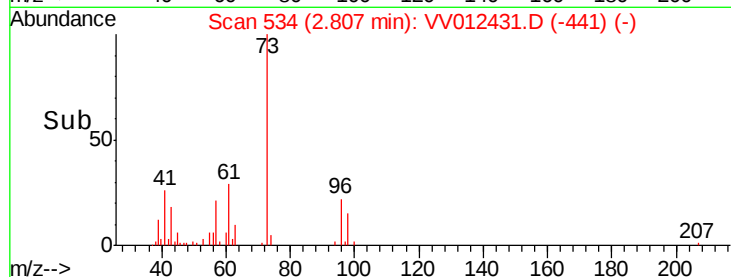
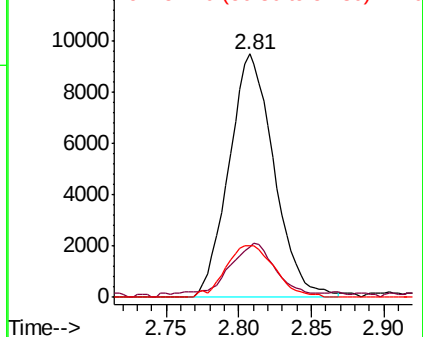
57 23.3 18.6 27.8



Abundance Ion 73.10 (72.80 to 73.80): VV0

Ion 43.05 (42.75 to 43.75): VV0

Ion 57.10 (56.80 to 57.80): VV0



#18

trans-1,2-Dichloroethene

Concen: 0.682 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV012431.D

Acq: 28 Aug 2019 19:09

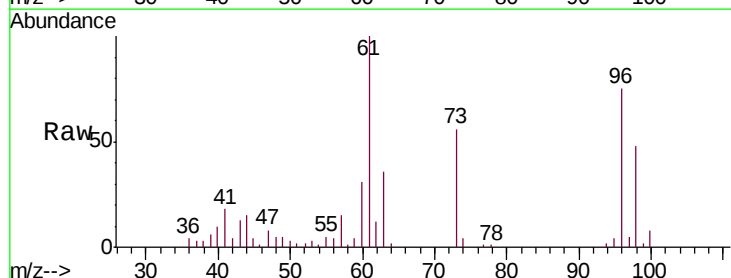
Tgt Ion: 96 Resp: 9692

Ion Ratio Lower Upper

96 100

61 132.7 102.1 189.5

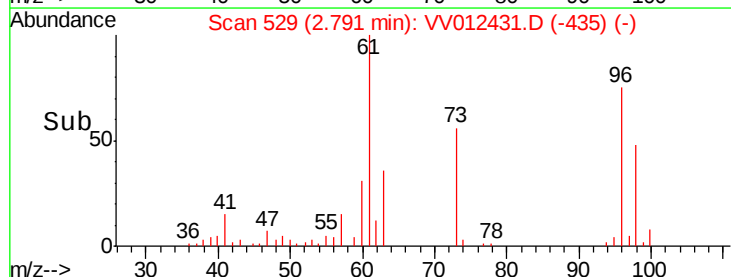
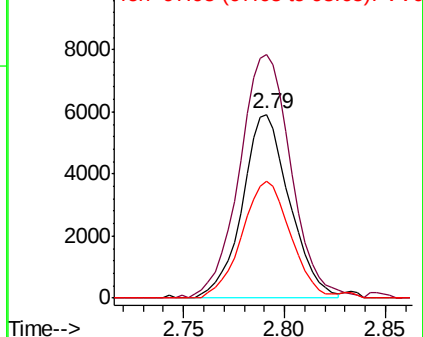
98 64.0 45.8 85.0

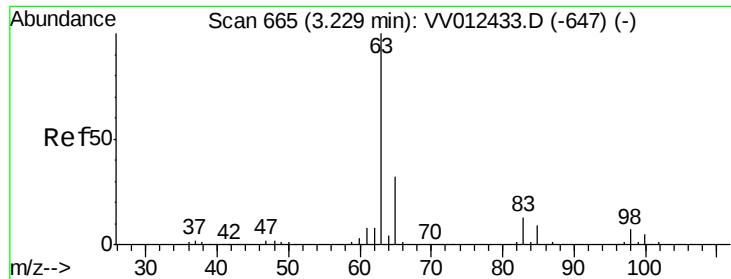


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0

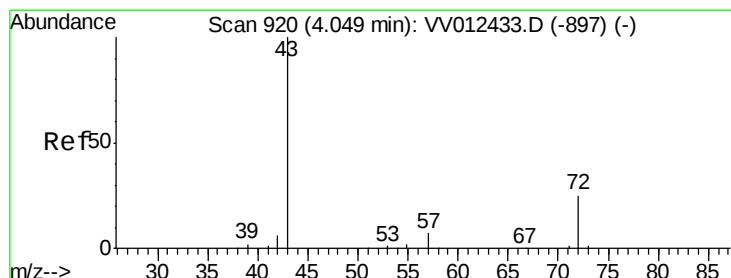
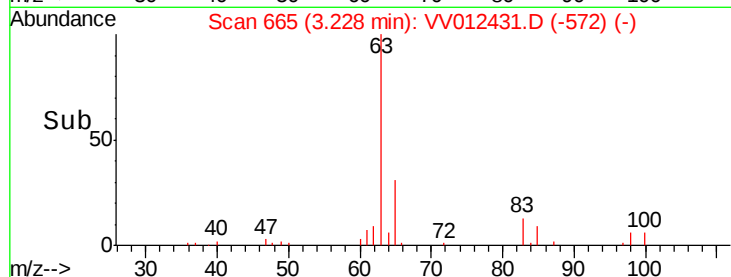
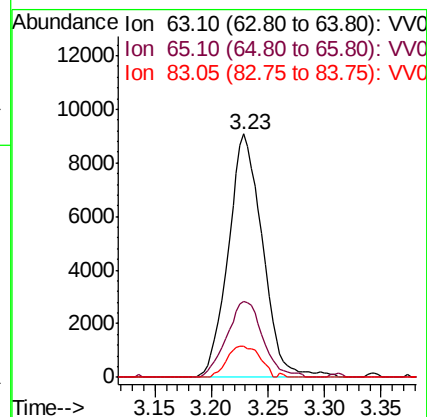
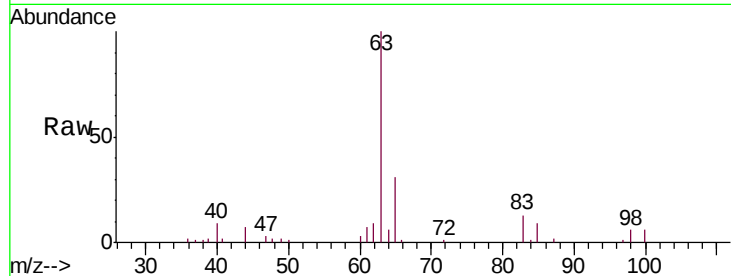




#19
 1,1-Dichloroethane
 Concen: 0.712 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. -0.00 min
 Lab File: VV012431.D
 Acq: 28 Aug 2019 19:09

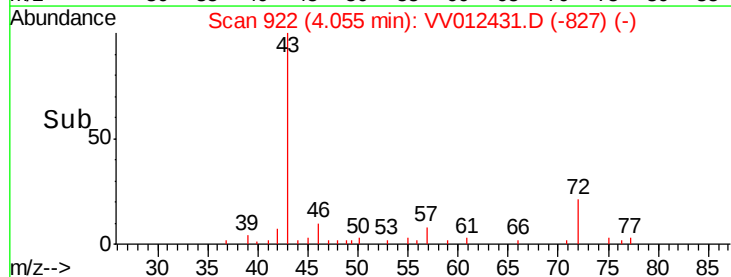
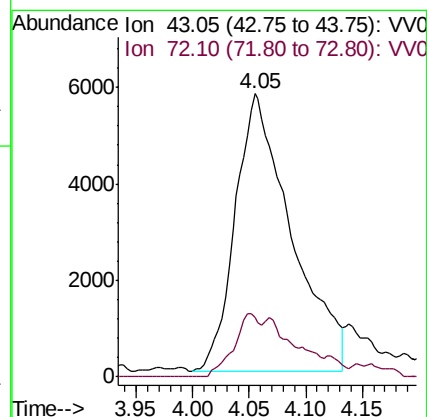
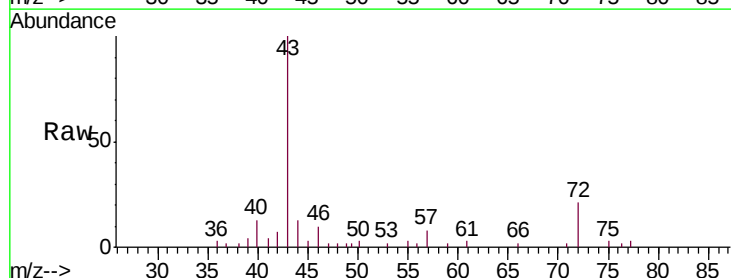
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.534

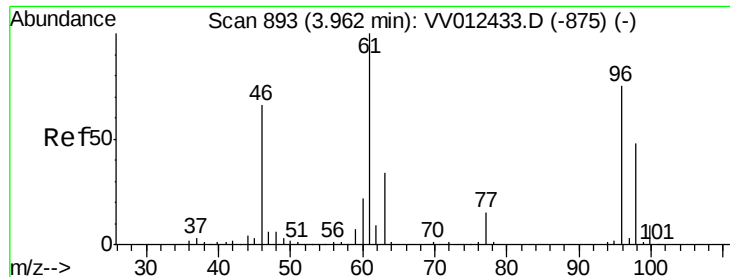
Tgt Ion: 63 Resp: 19130
 Ion Ratio Lower Upper
 63 100
 65 31.4 22.2 41.2
 83 12.6 9.0 16.8



#21
 2-Butanone
 Concen: 5.952 ug/L
 RT: 4.05 min Scan# 922
 Delta R.T. 0.01 min
 Lab File: VV012431.D
 Acq: 28 Aug 2019 19:09

Tgt Ion: 43 Resp: 19890
 Ion Ratio Lower Upper
 43 100
 72 10.7 12.2 36.6#



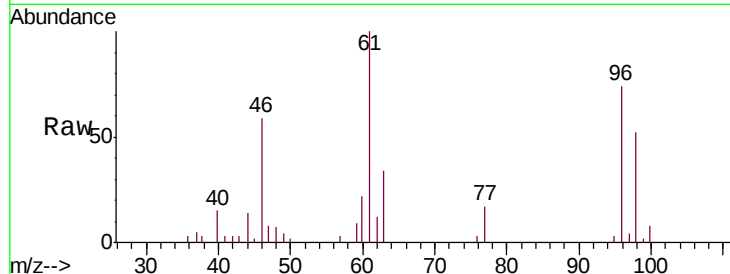


#22

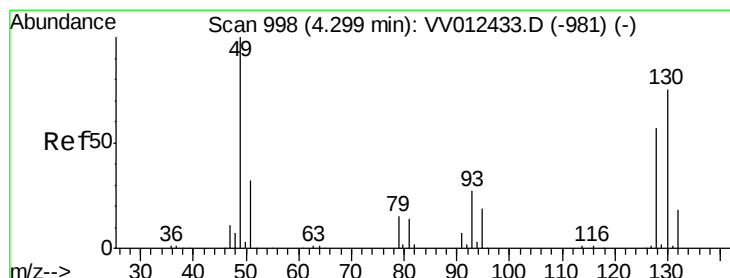
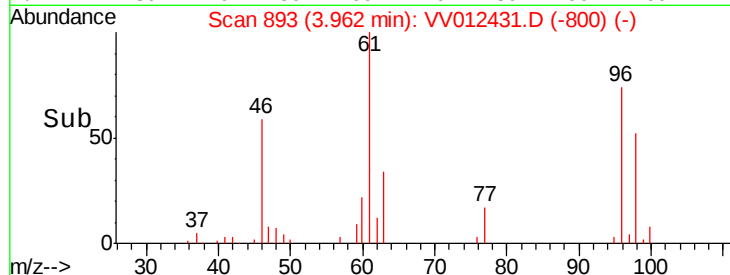
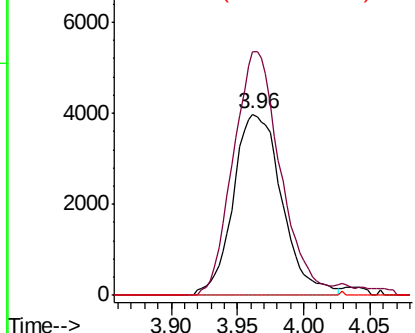
cis-1,2-Dichloroethene
 Concen: 0.655 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. -0.00 min
 Lab File: VV012431.D
 Acq: 28 Aug 2019 19:09

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.534

Tgt Ion: 96 Resp: 10150
 Ion Ratio Lower Upper
 96 100
 61 134.3 93.7 173.9
 68 0.0 0.0 0.0



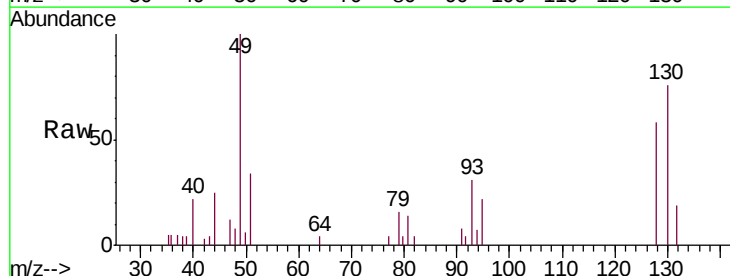
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



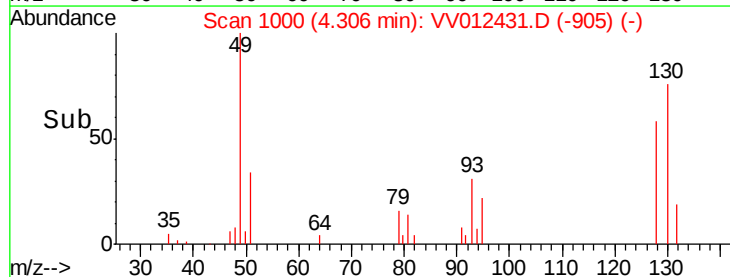
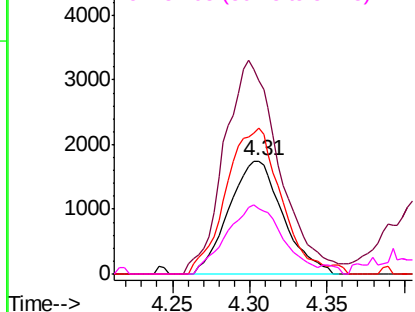
#23

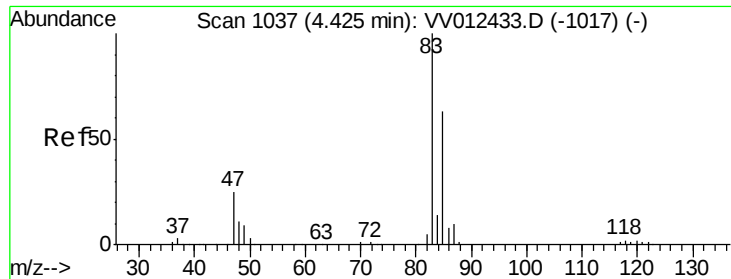
Bromochloromethane
 Concen: 0.649 ug/L
 RT: 4.31 min Scan# 1000
 Delta R.T. 0.01 min
 Lab File: VV012431.D
 Acq: 28 Aug 2019 19:09

Tgt Ion: 128 Resp: 4245
 Ion Ratio Lower Upper
 128 100
 49 171.5 122.2 226.9
 130 129.5 90.9 168.7
 51 57.9 44.6 66.8



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

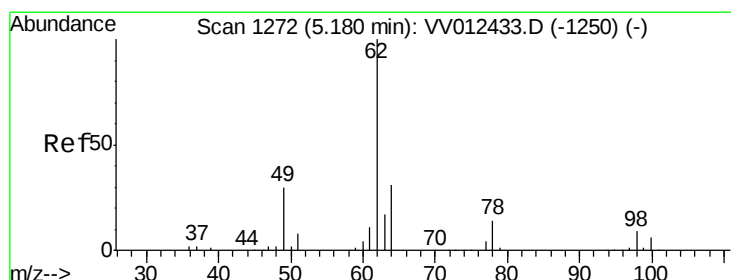
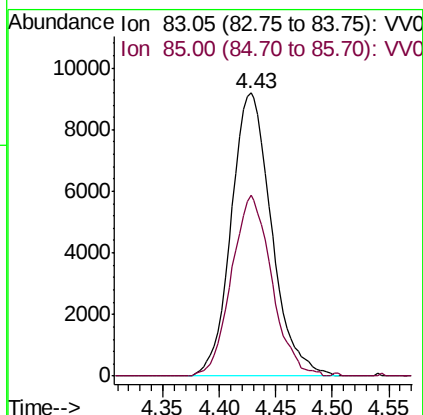
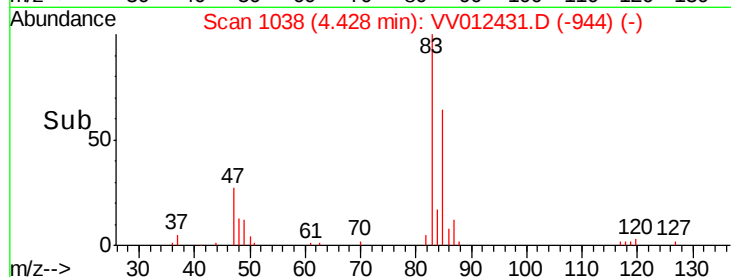
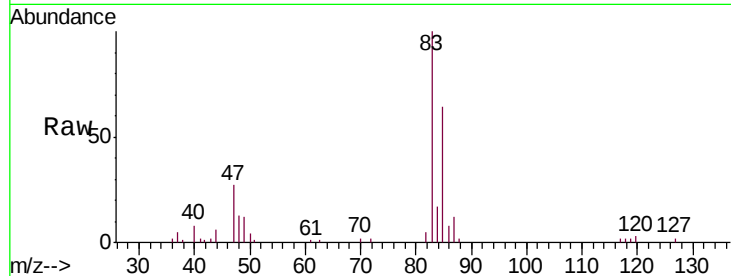




#25
Chloroform
Concen: 0.773 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV012431.D
Acq: 28 Aug 2019 19:09

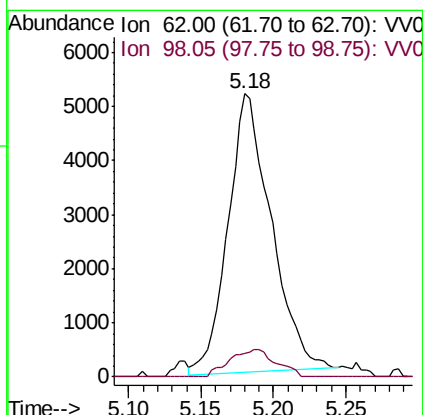
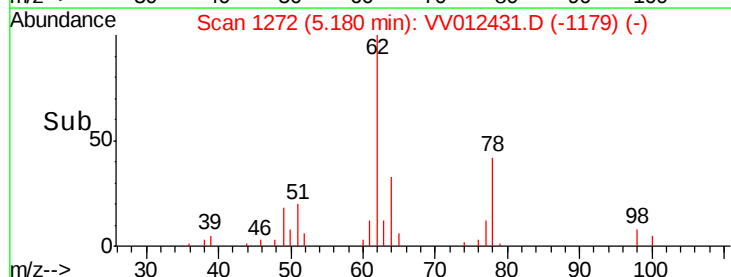
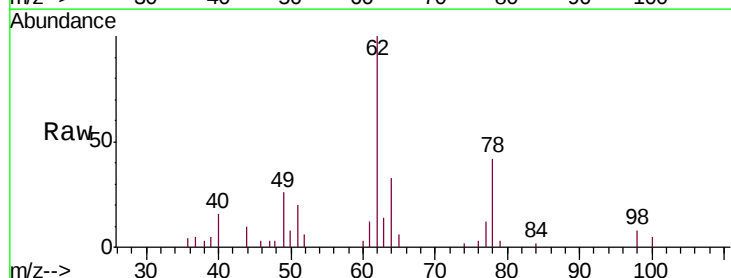
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.534

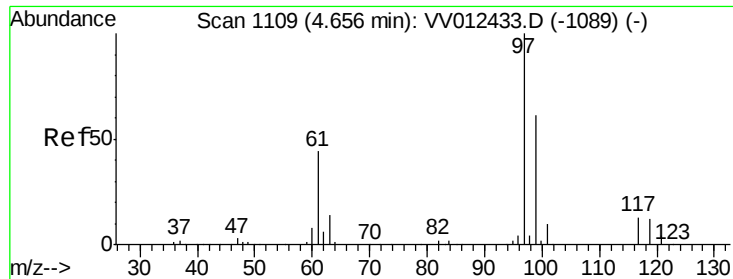
Tgt Ion: 83 Resp: 22822
Ion Ratio Lower Upper
83 100
85 64.0 44.2 82.2



#27
1,2-Dichloroethane
Concen: 0.674 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VV012431.D
Acq: 28 Aug 2019 19:09

Tgt Ion: 62 Resp: 10707
Ion Ratio Lower Upper
62 100
98 8.3 7.1 10.7

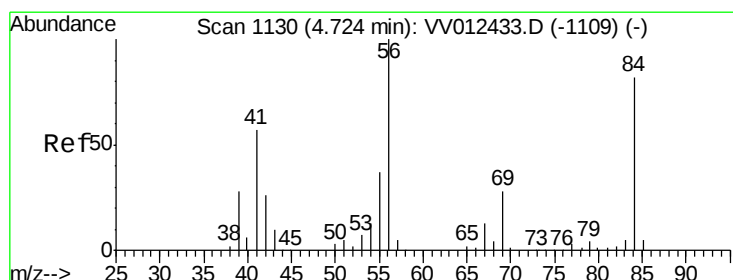
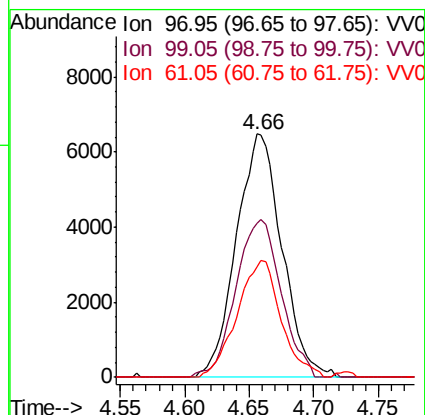
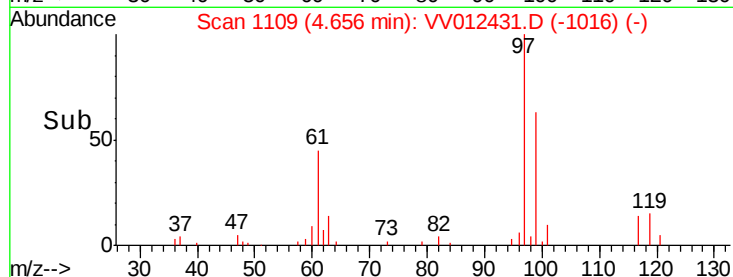
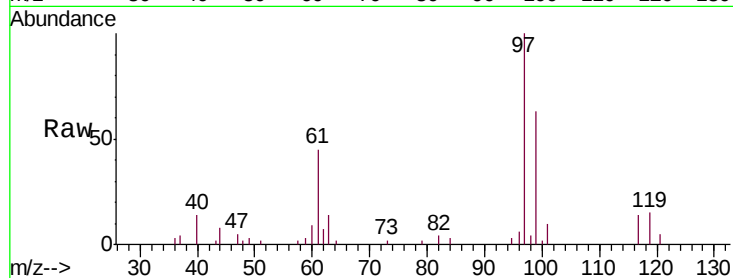




#29
 1,1,1-Trichloroethane
 Concen: 0.690 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. -0.00 min
 Lab File: VV012431.D
 Acq: 28 Aug 2019 19:09

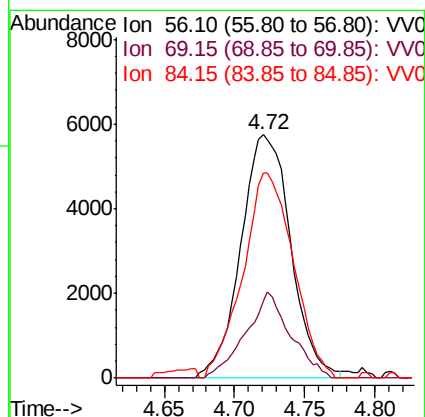
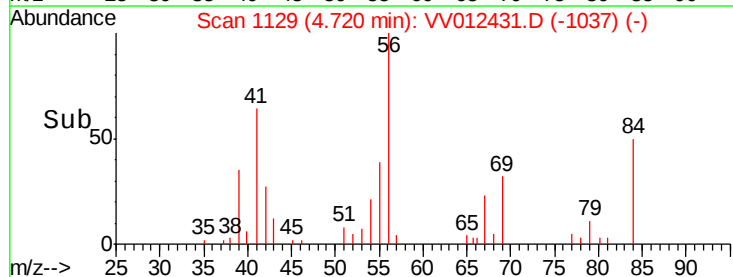
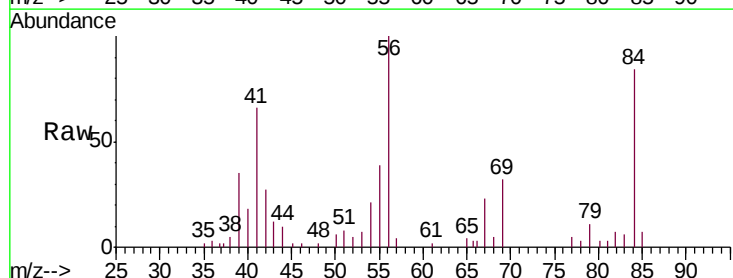
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.534

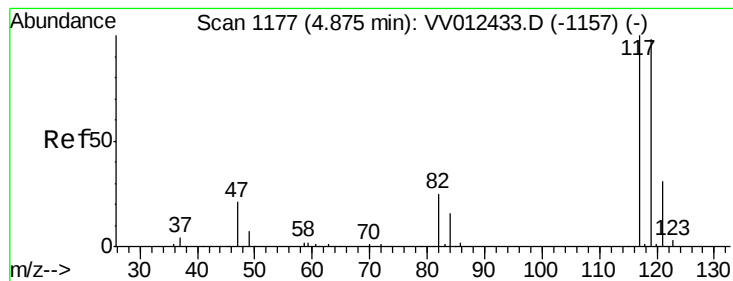
Tgt Ion: 97 Resp: 15942
 Ion Ratio Lower Upper
 97 100
 99 64.3 50.5 75.7
 61 46.2 36.0 54.0



#30
 Cyclohexane
 Concen: 0.594 ug/L
 RT: 4.72 min Scan# 1129
 Delta R.T. -0.00 min
 Lab File: VV012431.D
 Acq: 28 Aug 2019 19:09

Tgt Ion: 56 Resp: 14240
 Ion Ratio Lower Upper
 56 100
 69 31.6 23.0 34.4
 84 84.9 67.3 100.9





#31

Carbon tetrachloride

Concen: 0.675 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VV012431.D

Acq: 28 Aug 2019 19:09

Instrument :

MSVOA_V

ClientSampleId :

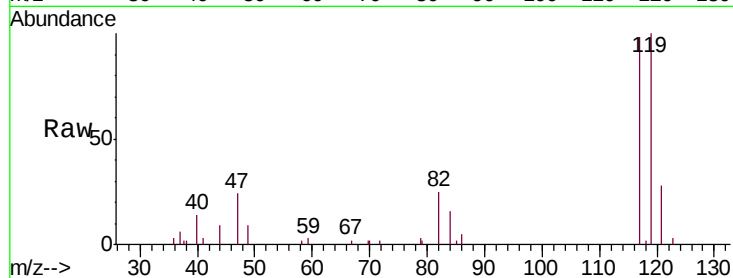
VSTD0.534

Tgt Ion:117 Resp: 13770

Ion Ratio Lower Upper

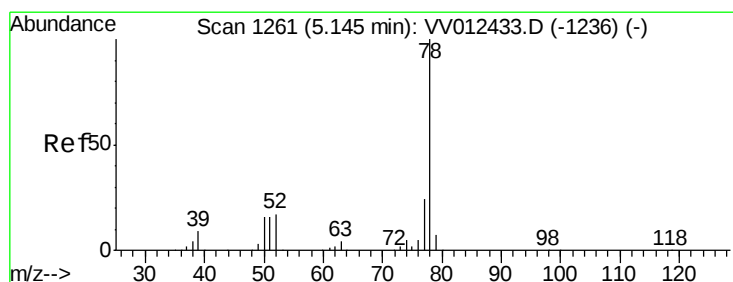
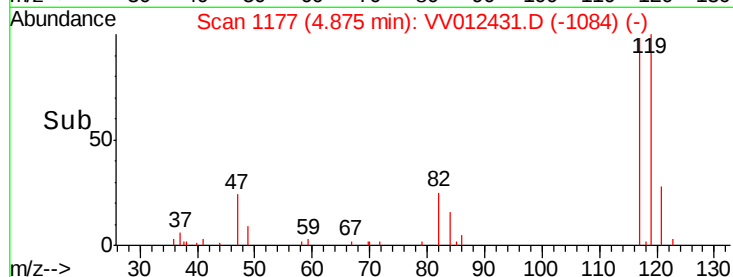
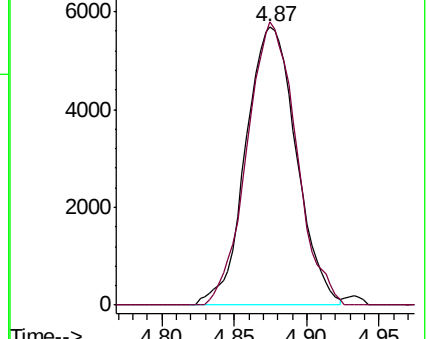
117 100

119 99.5 77.7 116.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.666 ug/L

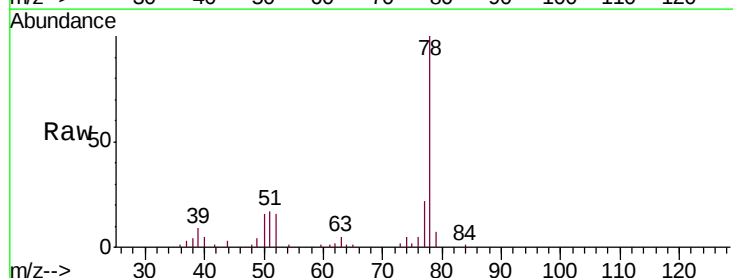
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

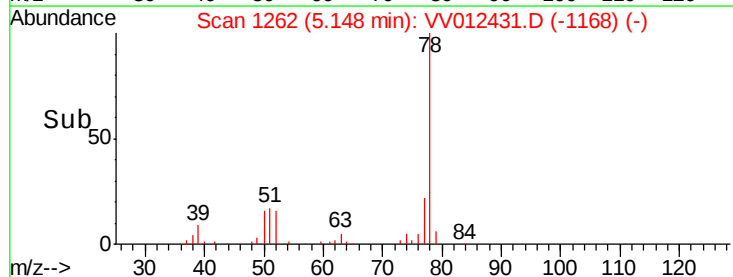
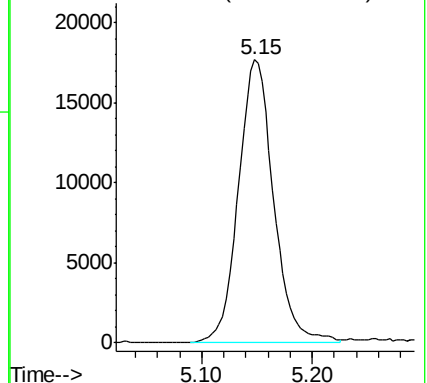
Lab File: VV012431.D

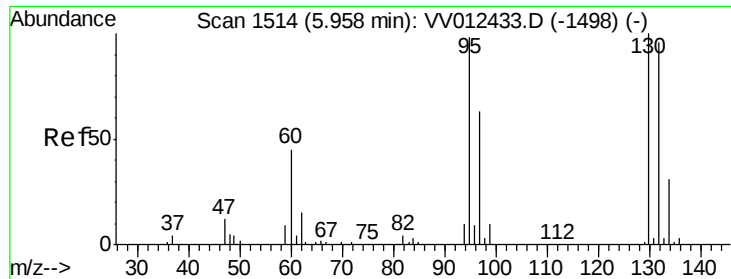
Acq: 28 Aug 2019 19:09

Tgt Ion: 78 Resp: 39213



Abundance Ion 78.10 (77.80 to 78.80): VV0

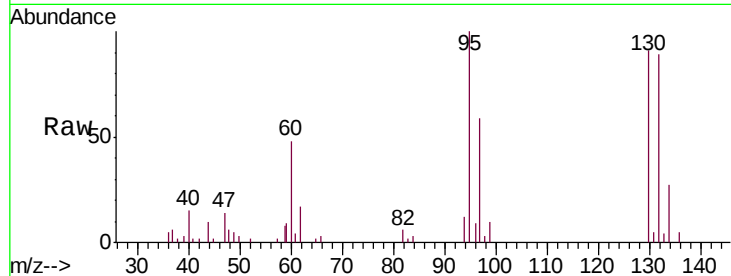




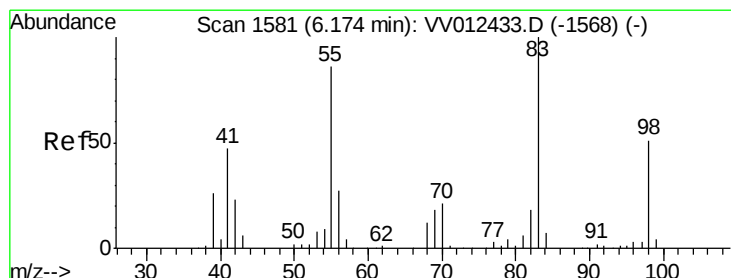
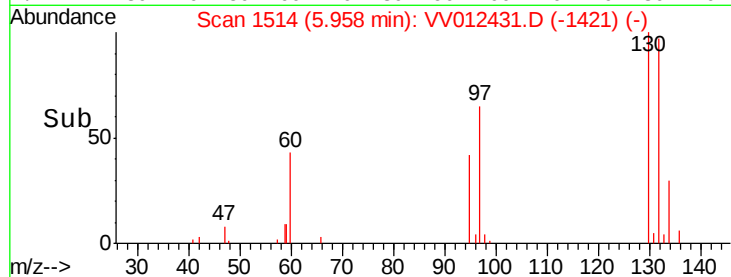
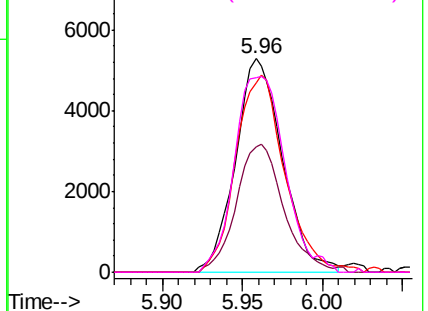
#34
 Trichloroethene
 Concen: 0.677 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. -0.00 min
 Lab File: VV012431.D
 Acq: 28 Aug 2019 19:09

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.534

Tgt Ion:	95	Resp:	10620
Ion	Ratio	Lower	Upper
95	100		
97	58.9	45.1	83.9
132	88.5	68.4	127.0
130	91.2	71.5	132.9

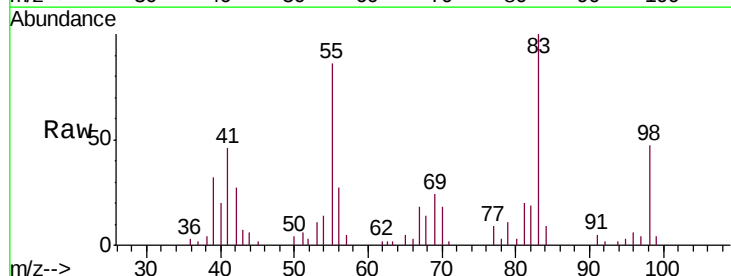


Abundance Ion 95.00 (94.70 to 95.70): VV012431.D (-1498) (-)
 Ion 96.95 (96.65 to 97.65): VV012431.D (-1498) (-)
 Ion 131.95 (131.65 to 132.65): VV012431.D (-1498) (-)
 Ion 129.95 (129.65 to 130.65): VV012431.D (-1498) (-)

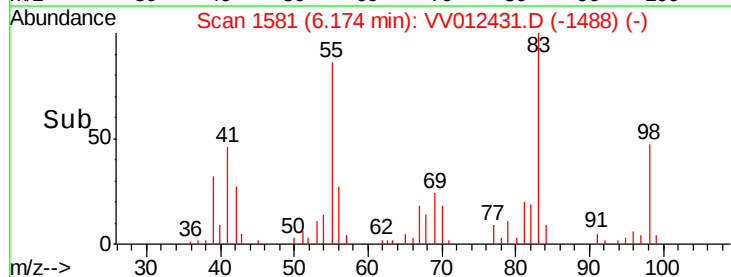
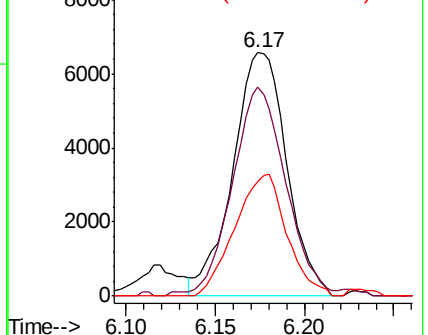


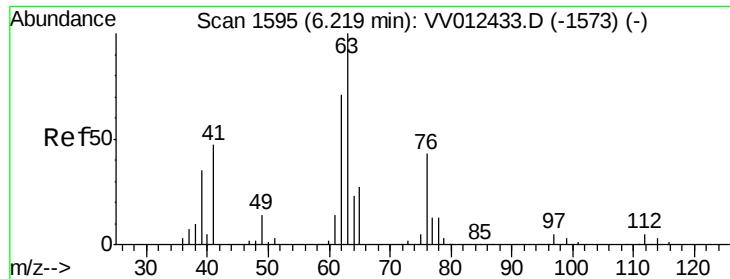
#35
 Methylcyclohexane
 Concen: 0.557 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: VV012431.D
 Acq: 28 Aug 2019 19:09

Tgt Ion:	83	Resp:	13867
Ion	Ratio	Lower	Upper
83	100		
55	85.4	66.0	99.0
98	48.1	39.0	58.4



Abundance Ion 83.15 (82.85 to 83.85): VV012431.D (-1568) (-)
 Ion 55.10 (54.80 to 55.80): VV012431.D (-1568) (-)
 Ion 98.15 (97.85 to 98.85): VV012431.D (-1568) (-)

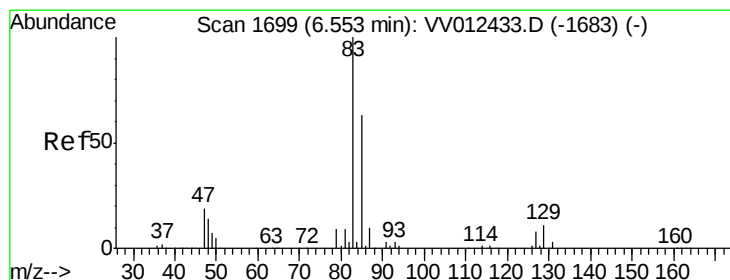
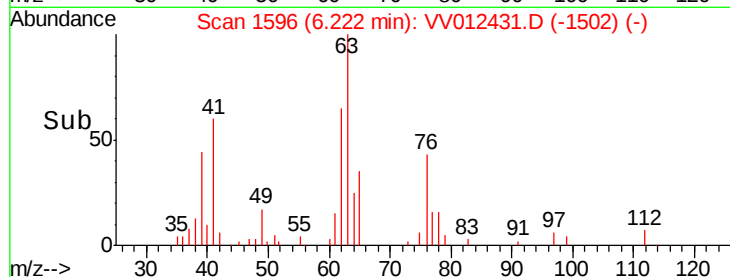
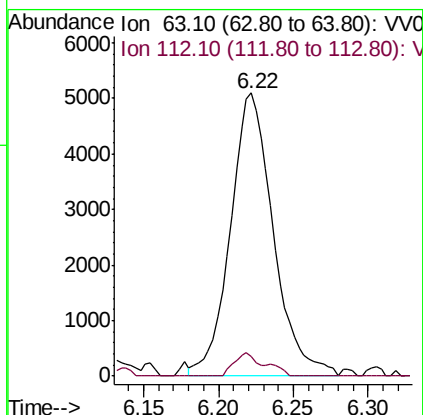
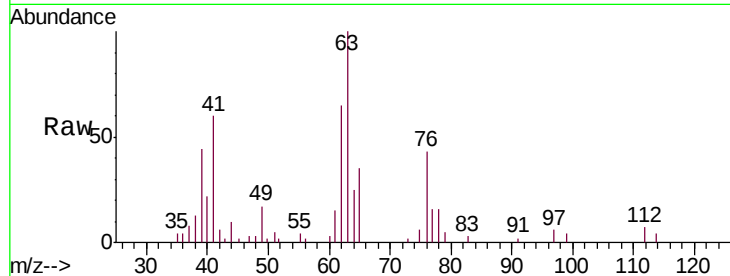




#37
 1,2-Dichloropropane
 Concen: 0.678 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. 0.00 min
 Lab File: VV012431.D
 Acq: 28 Aug 2019 19:09

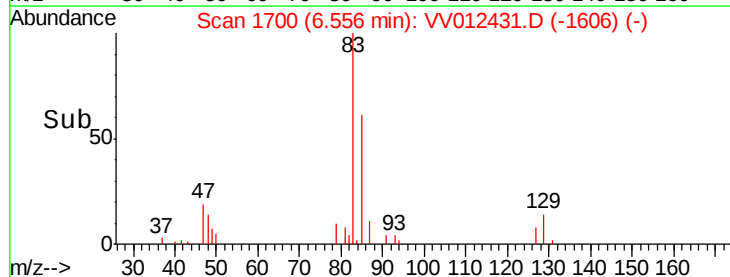
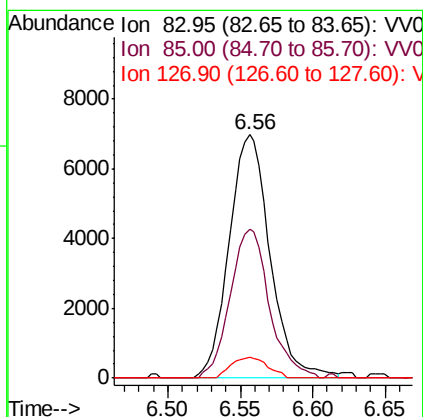
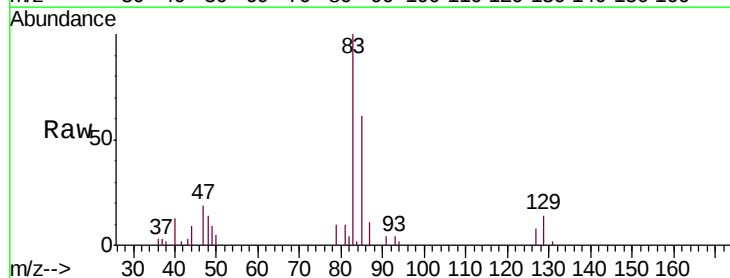
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.534

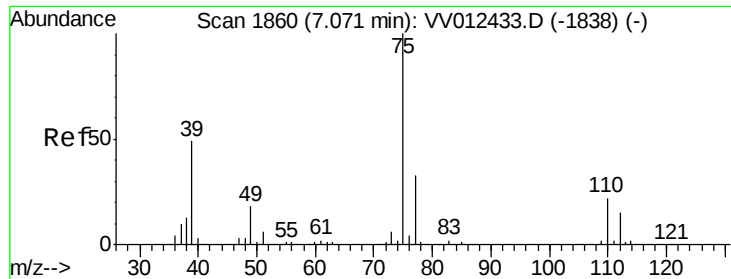
Tgt Ion: 63 Resp: 10167
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.8 5.6



#38
 Bromodichloromethane
 Concen: 0.739 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VV012431.D
 Acq: 28 Aug 2019 19:09

Tgt Ion: 83 Resp: 13707
 Ion Ratio Lower Upper
 83 100
 85 61.4 44.1 81.9
 127 8.5 6.7 10.1

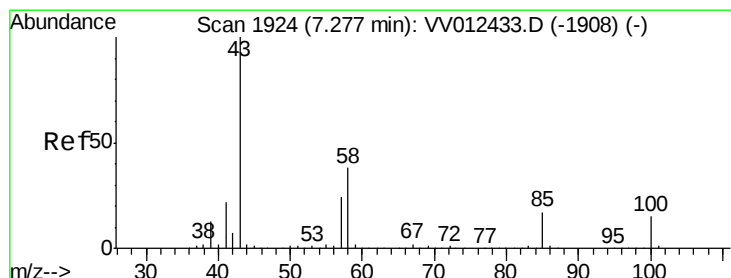
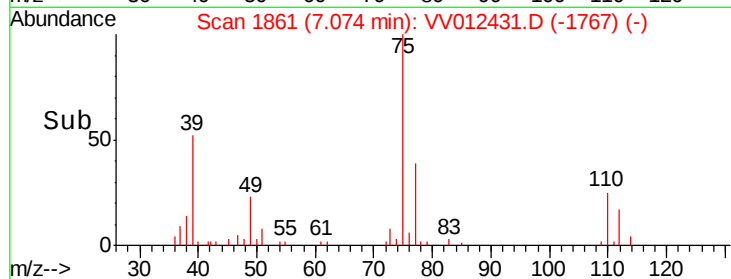
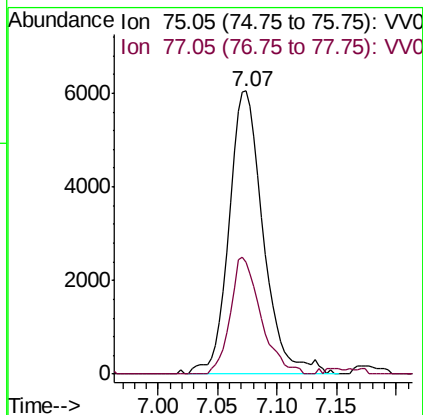
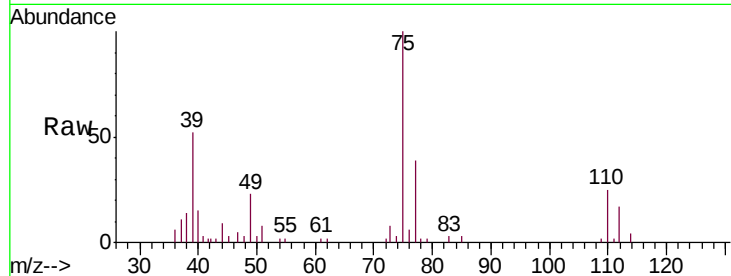




#39
 cis-1,3-Dichloropropene
 Concen: 0.596 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VV012431.D
 Acq: 28 Aug 2019 19:09

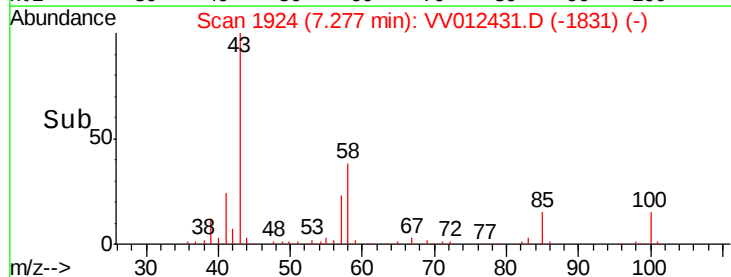
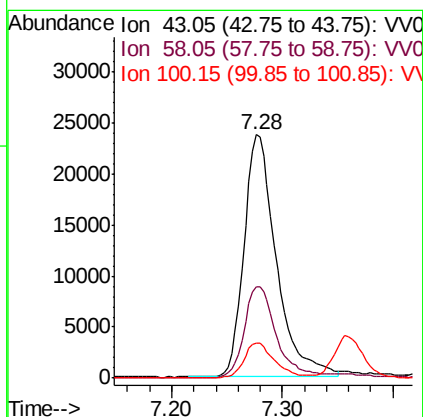
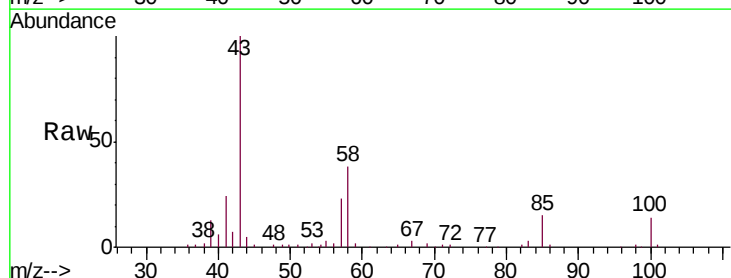
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.534

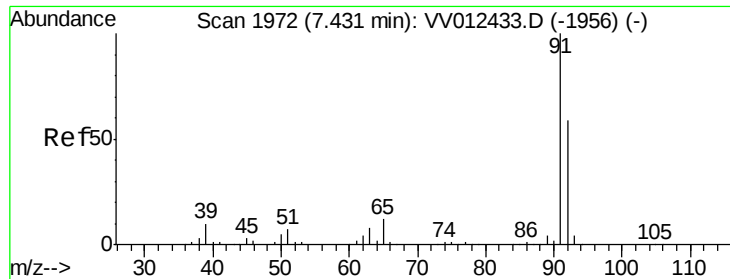
Tgt Ion: 75 Resp: 12045
 Ion Ratio Lower Upper
 75 100
 77 39.4 23.0 42.8



#40
 4-Methyl-2-pentanone
 Concen: 5.867 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. -0.00 min
 Lab File: VV012431.D
 Acq: 28 Aug 2019 19:09

Tgt Ion: 43 Resp: 48350
 Ion Ratio Lower Upper
 43 100
 58 38.3 30.8 46.2
 100 13.6 11.4 17.0





#42

Toluene

Concen: 0.609 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV012431.D

Acq: 28 Aug 2019 19:09

Instrument :

MSVOA_V

ClientSampleId :

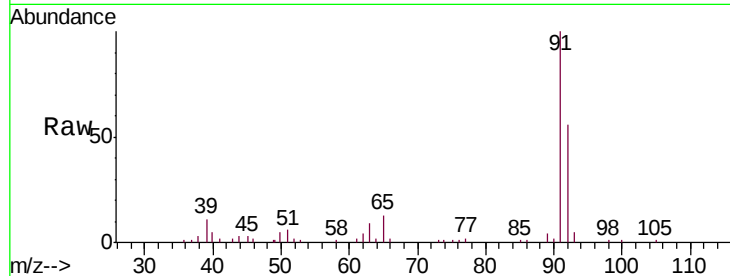
VSTD0.534

Tgt Ion: 91 Resp: 36846

Ion Ratio Lower Upper

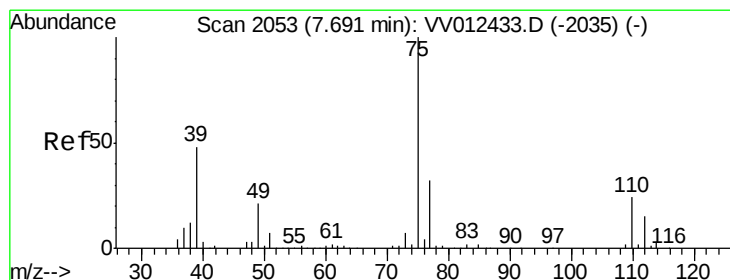
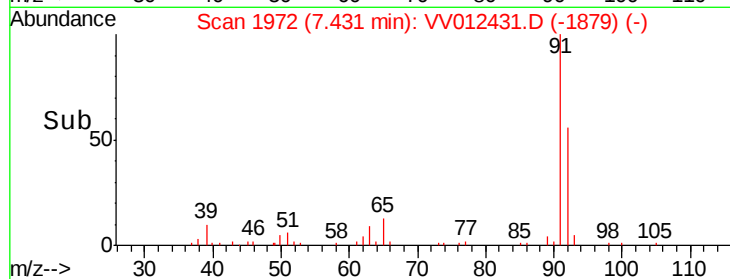
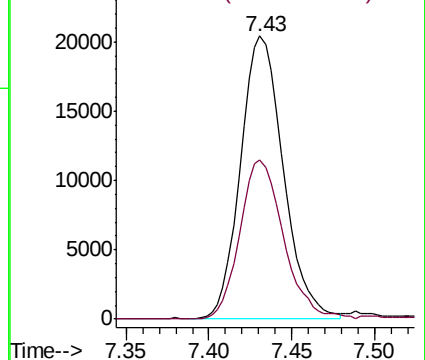
91 100

92 56.1 41.5 77.1



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 0.634 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.01 min

Lab File: VV012431.D

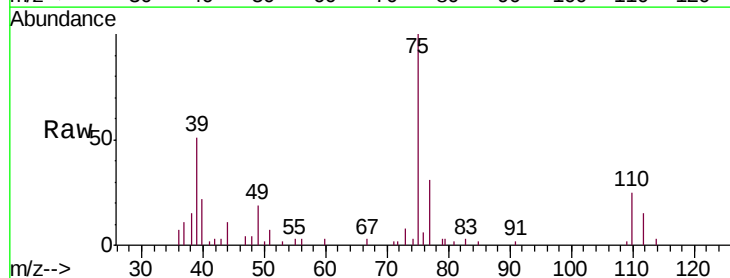
Acq: 28 Aug 2019 19:09

Tgt Ion: 75 Resp: 9594

Ion Ratio Lower Upper

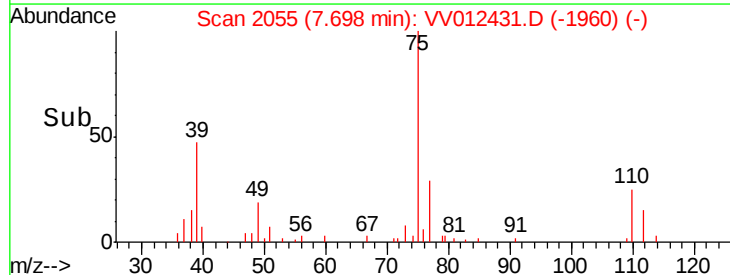
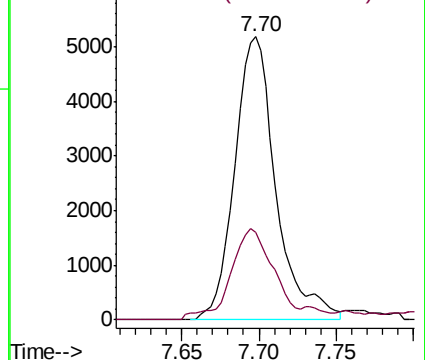
75 100

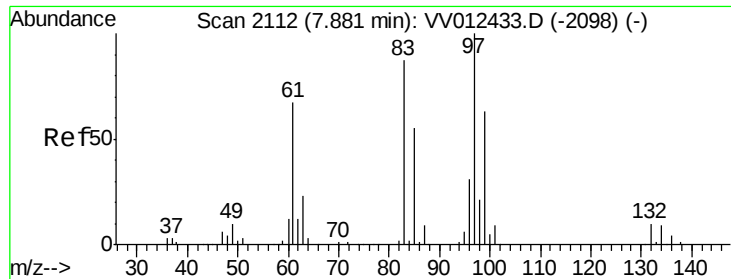
77 31.0 22.2 41.2



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

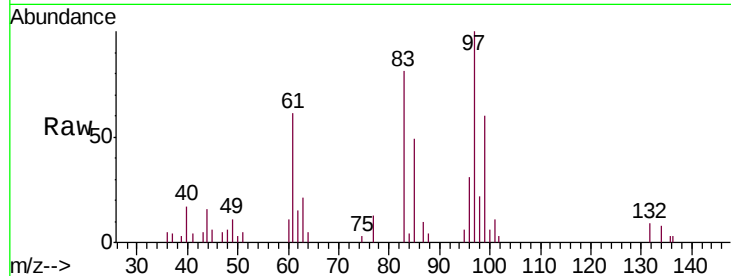




#45
 1,1,2-Trichloroethane
 Concen: 0.732 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VV012431.D
 Acq: 28 Aug 2019 19:09

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.534

Tgt Ion:	97	Resp:	7110
Ion	Ratio	Lower	Upper
97	100		
99	59.7	44.2	82.2
83	80.5	60.6	112.6
85	48.8	38.8	72.0



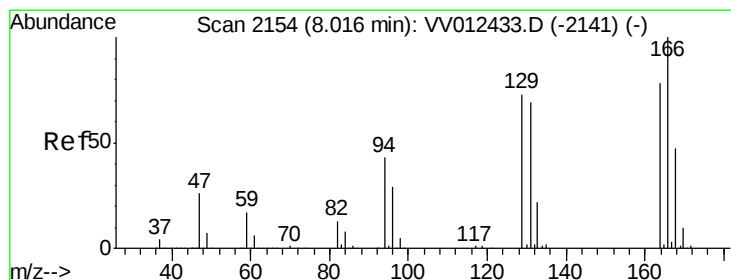
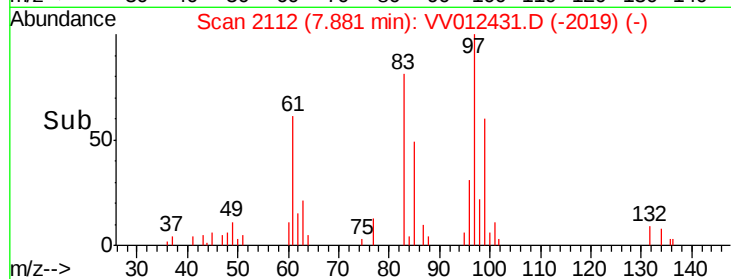
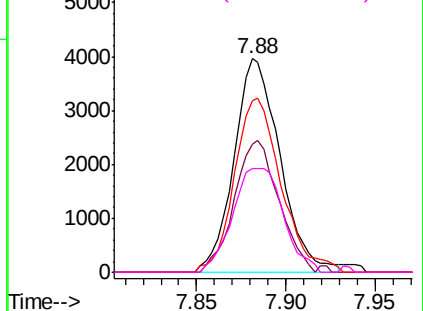
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

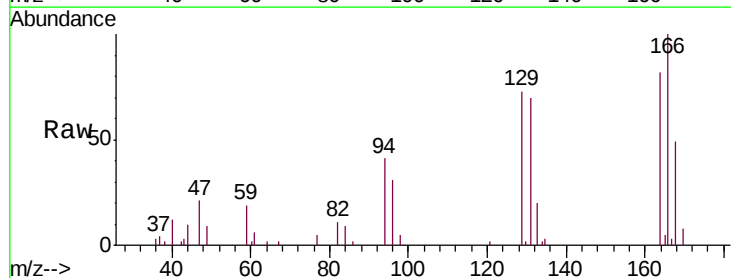
Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47
 Tetrachloroethene
 Concen: 0.678 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV012431.D
 Acq: 28 Aug 2019 19:09

Tgt Ion:	164	Resp:	8614
Ion	Ratio	Lower	Upper
164	100		
129	88.9	65.4	121.4
131	86.0	62.6	116.3
166	122.5	90.2	167.4



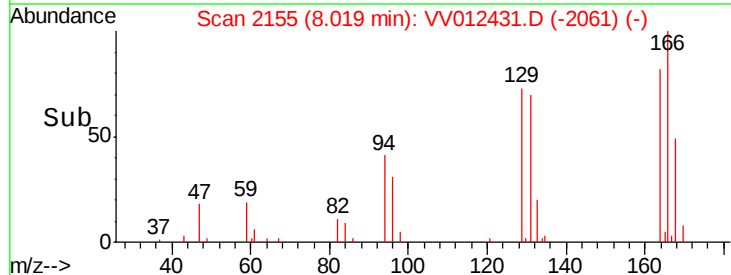
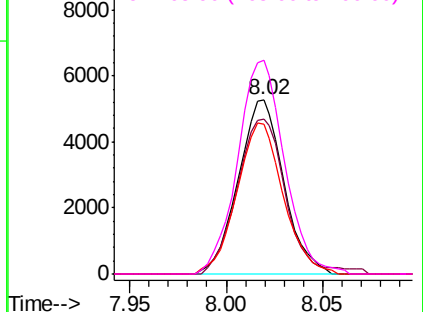
Abundance

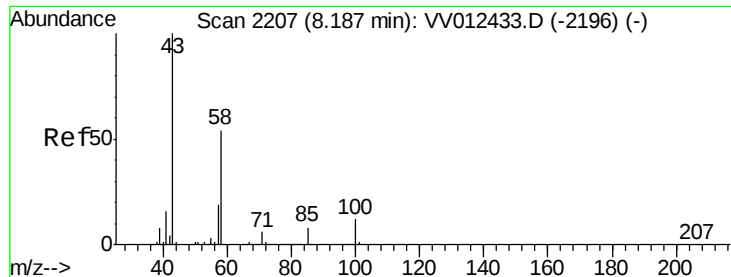
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

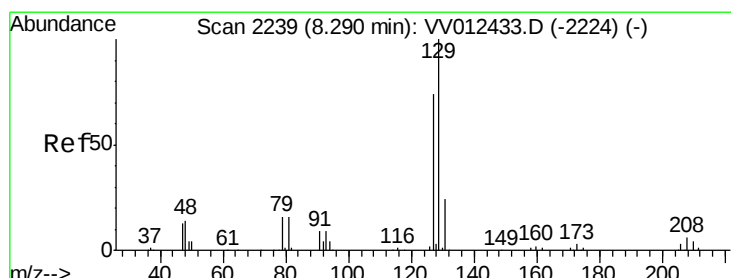
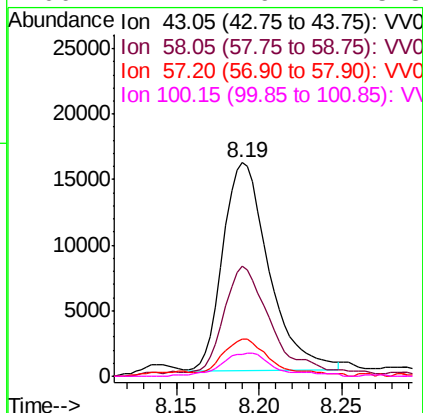
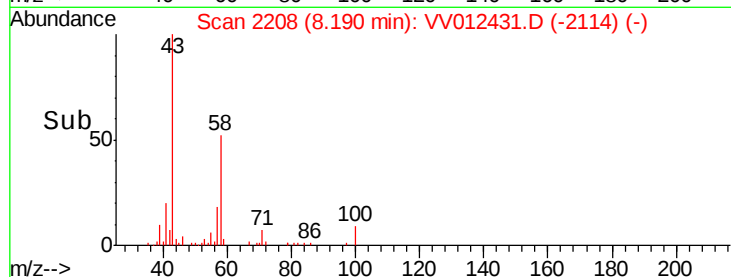
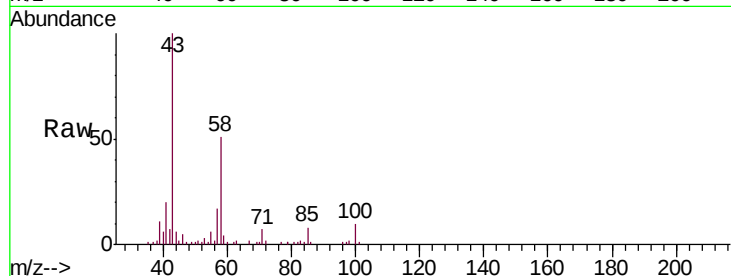




#48
2-Hexanone
Concen: 5.213 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VV012431.D
Acq: 28 Aug 2019 19:09

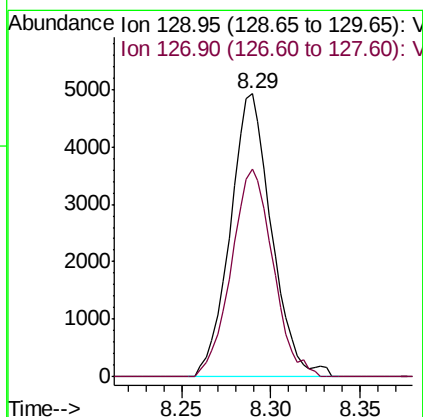
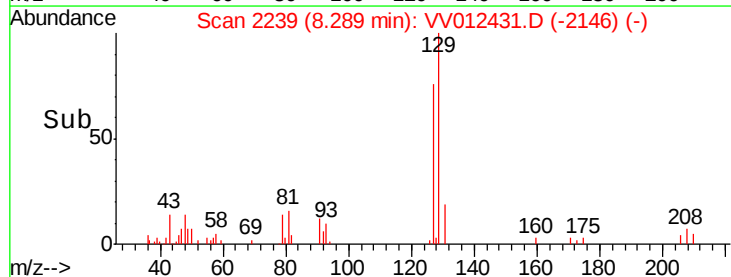
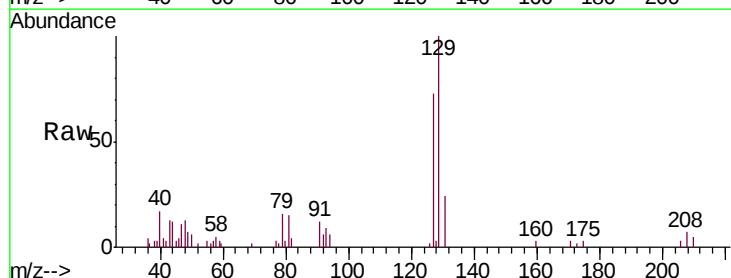
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.534

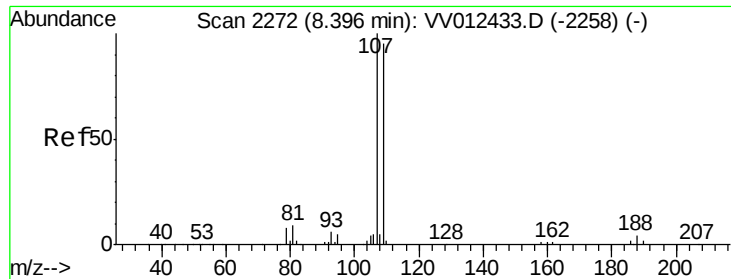
Tgt Ion:	43	Resp:	30745
Ion	Ratio	Lower	Upper
43	100		
58	53.3	42.7	64.1
57	18.8	14.7	22.1
100	12.4	9.2	13.8



#49
Dibromochloromethane
Concen: 0.676 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV012431.D
Acq: 28 Aug 2019 19:09

Tgt Ion:	129	Resp:	7904
Ion	Ratio	Lower	Upper
129	100		
127	73.3	52.1	96.9

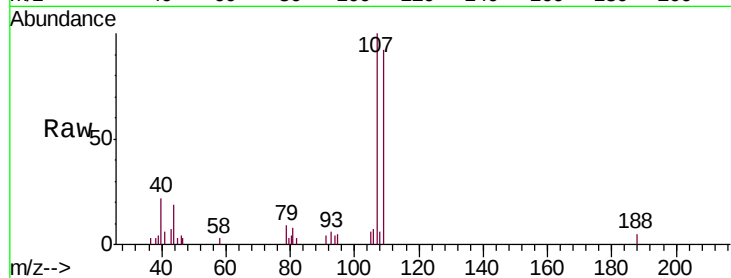




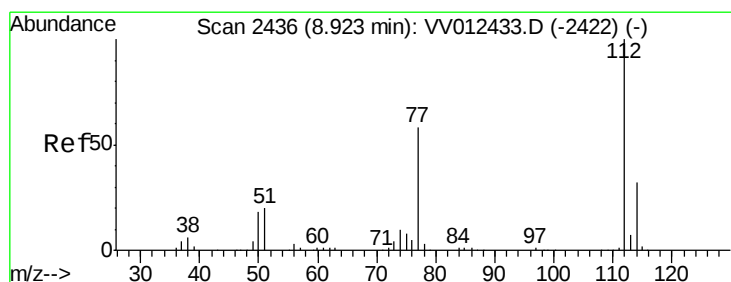
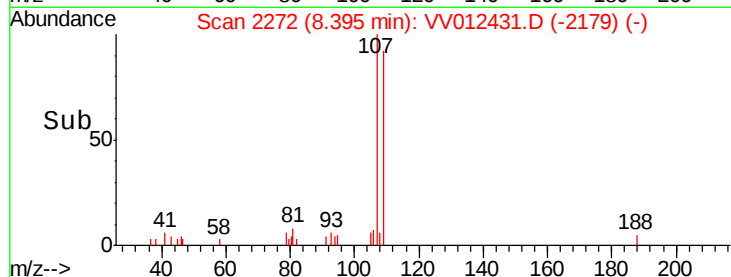
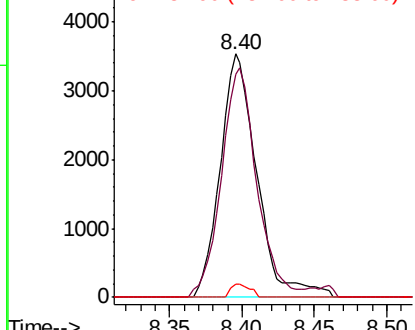
#50
1,2-Dibromoethane
Concen: 0.685 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VV012431.D
Acq: 28 Aug 2019 19:09

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.534

Tgt Ion:107 Resp: 6217
Ion Ratio Lower Upper
107 100
109 91.9 66.6 123.6
188 5.5 3.1 4.7#

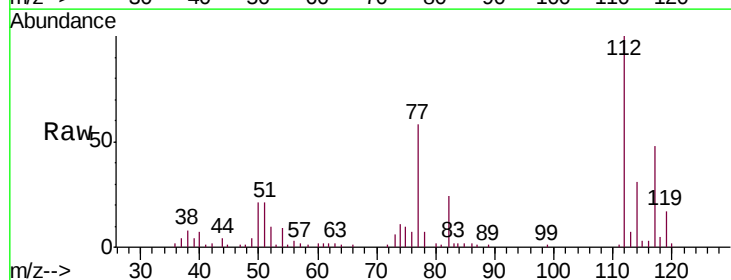


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

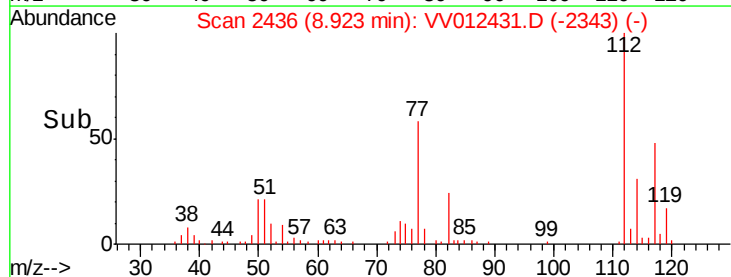
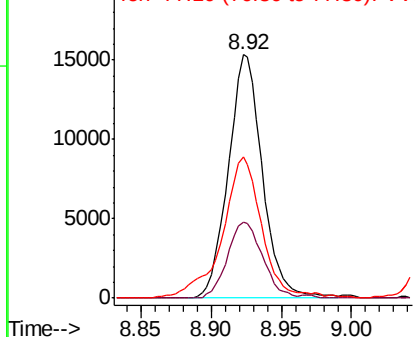


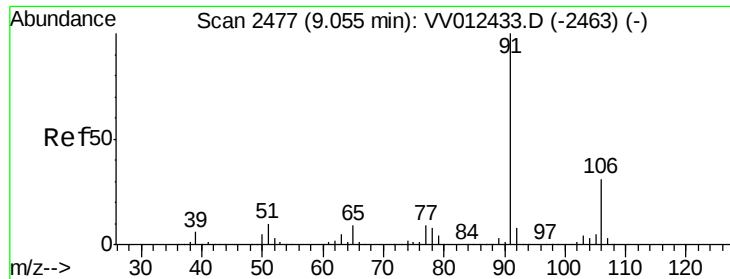
#51
Chlorobenzene
Concen: 0.661 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. -0.00 min
Lab File: VV012431.D
Acq: 28 Aug 2019 19:09

Tgt Ion:112 Resp: 25962
Ion Ratio Lower Upper
112 100
114 31.0 22.2 41.2
77 57.9 46.9 70.3



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





#52

Ethylbenzene

Concen: 0.592 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV012431.D

Acq: 28 Aug 2019 19:09

Instrument :

MSVOA_V

ClientSampleId :

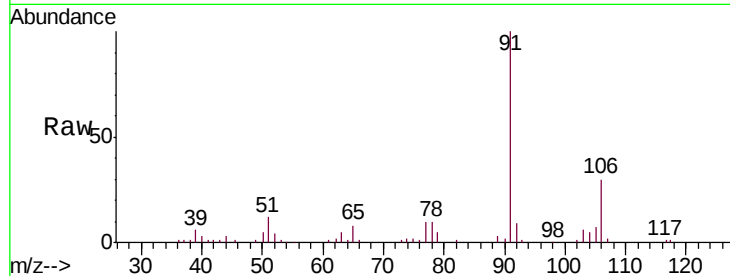
VSTD0.534

Tgt Ion: 91 Resp: 38706

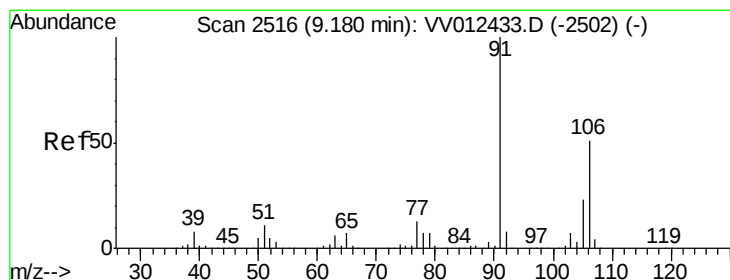
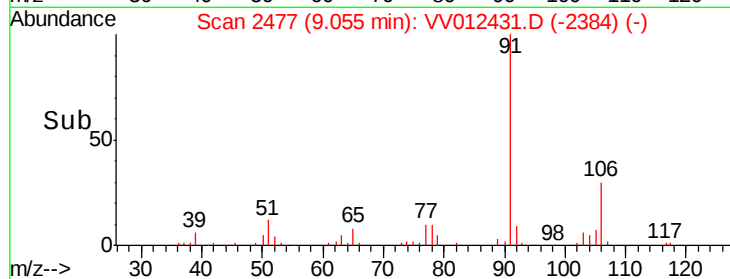
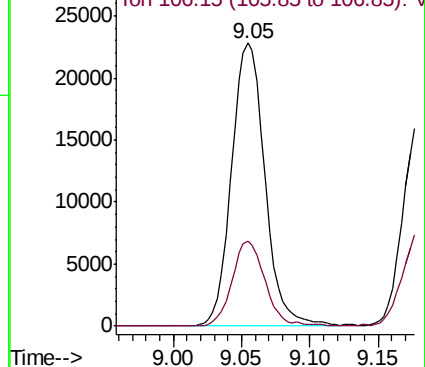
Ion Ratio Lower Upper

91 100

106 30.0 21.6 40.0



Abundance Ion 91.15 (90.85 to 91.85): VV012431.D (-2463) (-)



#53

m,p-xylene

Concen: 0.543 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV012431.D

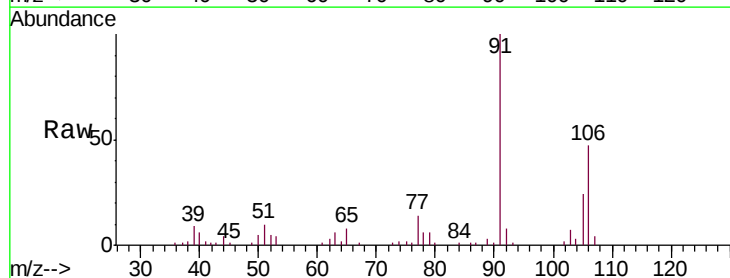
Acq: 28 Aug 2019 19:09

Tgt Ion: 106 Resp: 13382

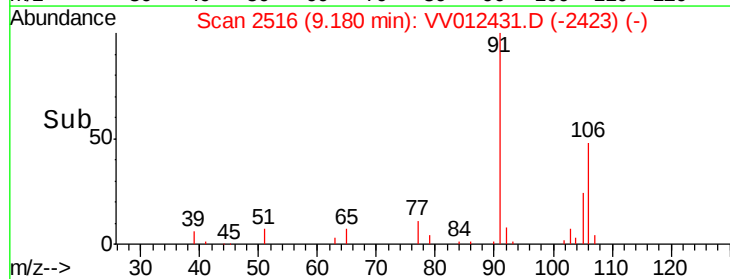
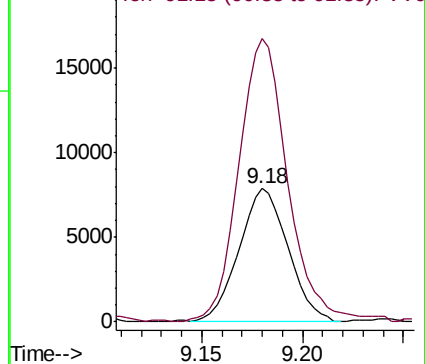
Ion Ratio Lower Upper

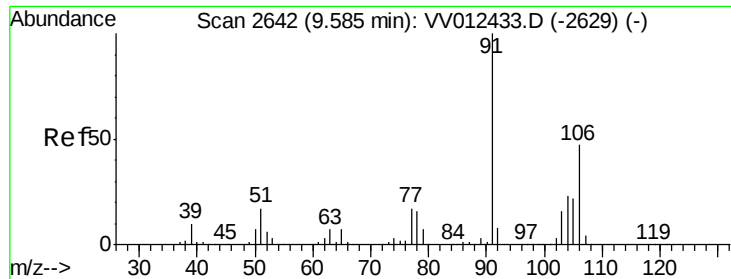
106 100

91 212.4 138.7 257.7



Abundance Ion 106.15 (105.85 to 106.85): VV012431.D (-2502) (-)

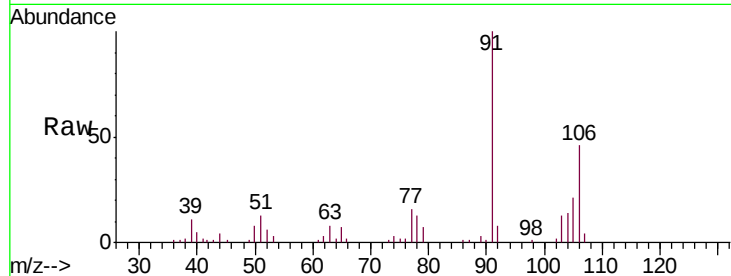




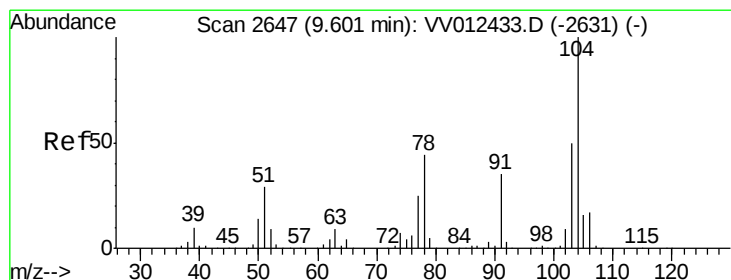
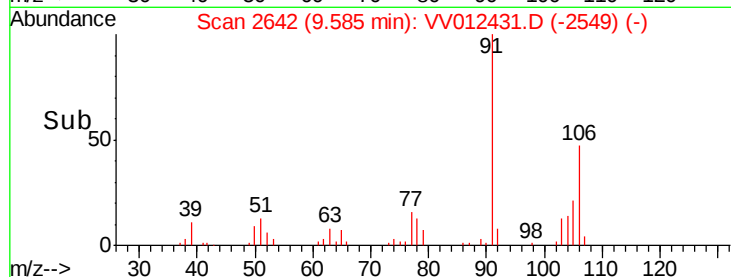
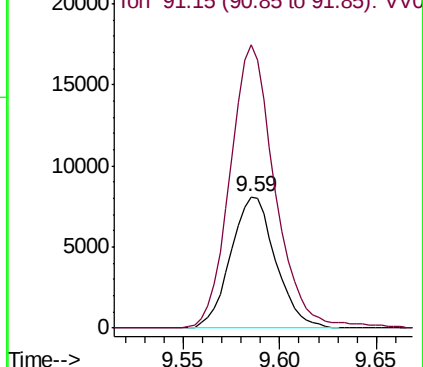
#54
o-xylene
Concen: 0.556 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. -0.00 min
Lab File: VV012431.D
Acq: 28 Aug 2019 19:09

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.534

Tgt Ion:106 Resp: 13042
Ion Ratio Lower Upper
106 100
91 215.3 148.3 275.5

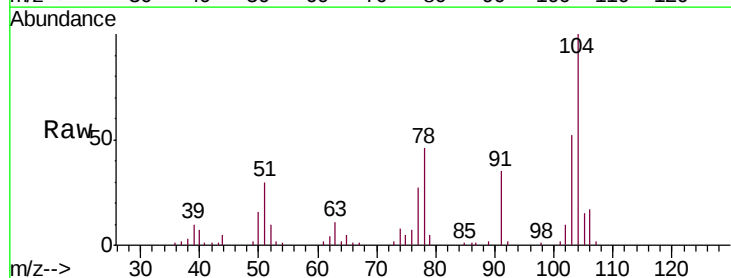


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

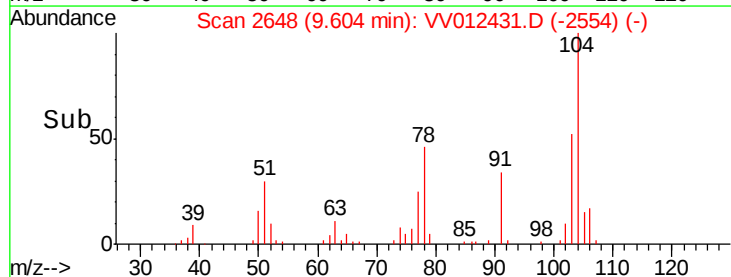
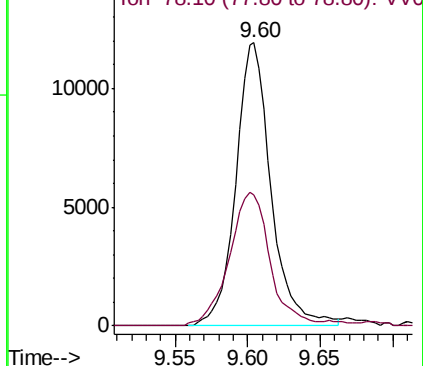


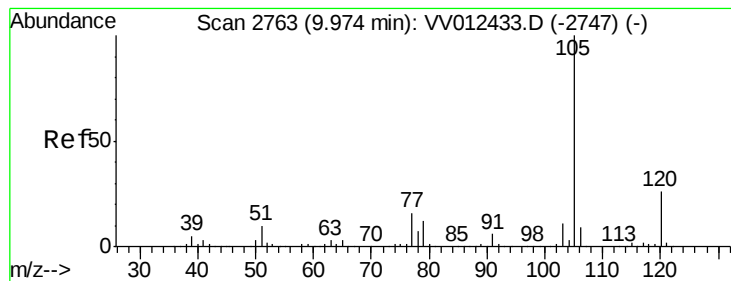
#55
Styrene
Concen: 0.511 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV012431.D
Acq: 28 Aug 2019 19:09

Tgt Ion:104 Resp: 20117
Ion Ratio Lower Upper
104 100
78 46.2 30.8 57.2



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 0.538 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. -0.00 min

Lab File: VV012431.D

Acq: 28 Aug 2019 19:09

Instrument :

MSVOA_V

ClientSampled :

VSTD0.534

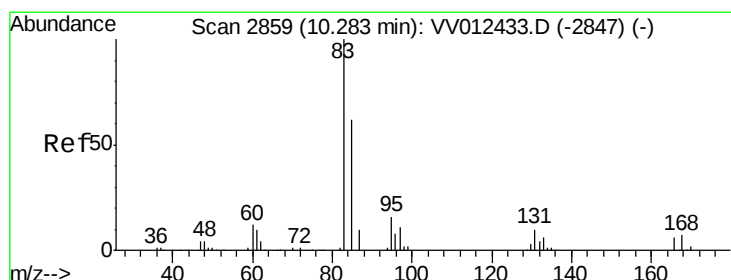
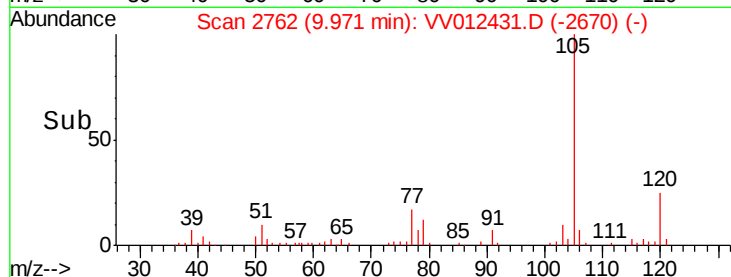
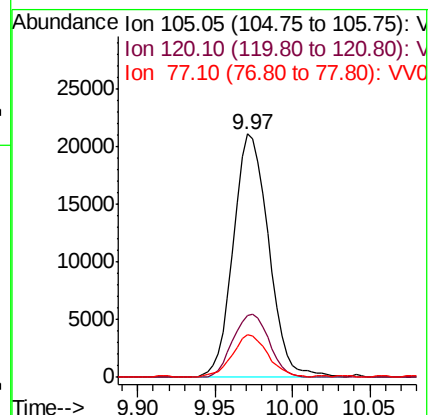
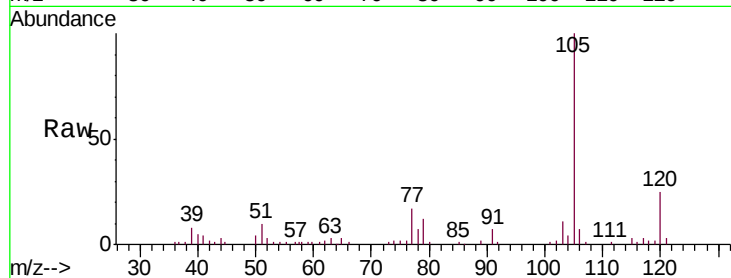
Tgt Ion: 105 Resp: 33545

Ion Ratio Lower Upper

105 100

120 26.6 21.0 31.6

77 17.6 12.7 19.1



#58

1,1,2,2-Tetrachloroethane

Concen: 0.756 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV012431.D

Acq: 28 Aug 2019 19:09

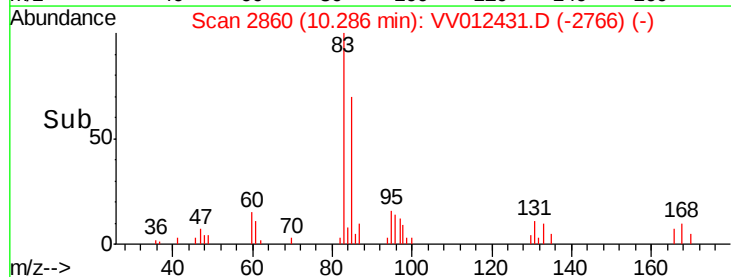
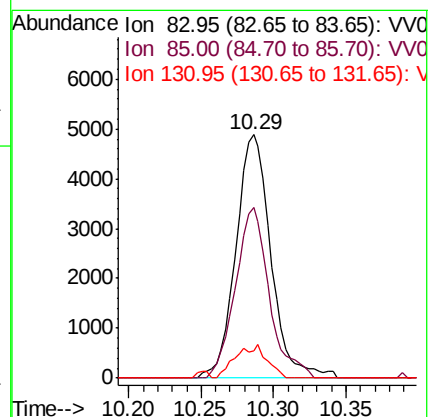
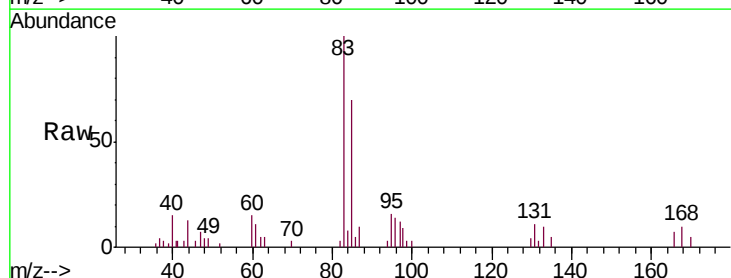
Tgt Ion: 83 Resp: 8192

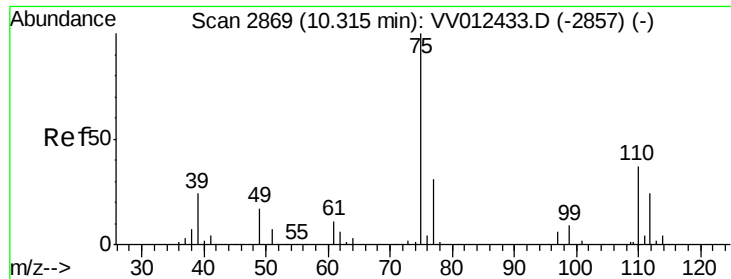
Ion Ratio Lower Upper

83 100

85 70.1 44.0 81.6

131 11.0 8.1 12.1





#59

1,2,3-Trichloropropane

Concen: 0.752 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VV012431.D

Acq: 28 Aug 2019 19:09

Instrument :

MSVOA_V

ClientSampleId :

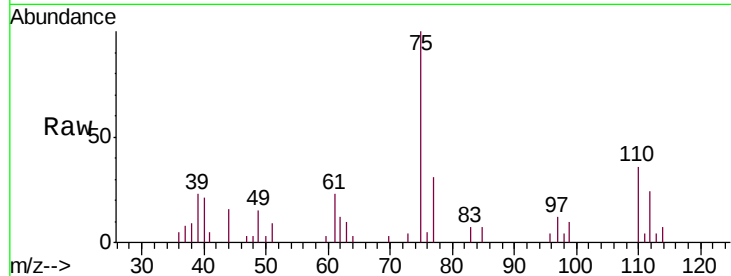
VSTD0.534

Tgt Ion: 75 Resp: 6261

Ion Ratio Lower Upper

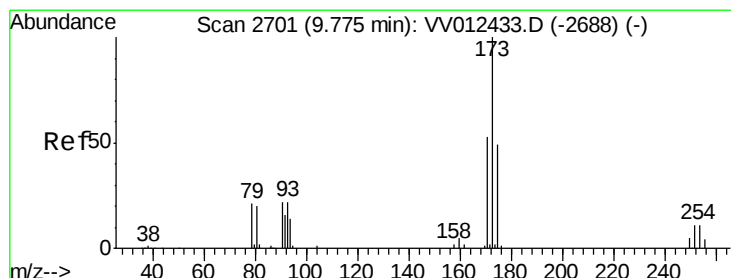
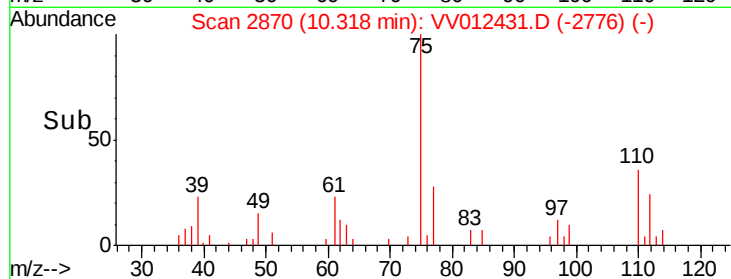
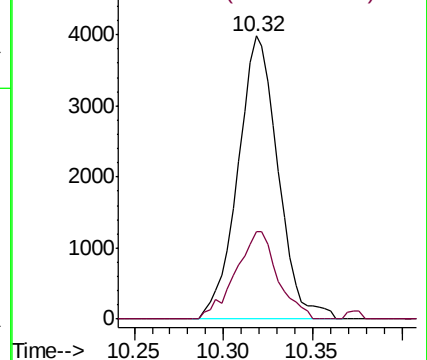
75 100

77 32.4 24.8 37.2



Abundance Ion 75.00 (74.70 to 75.70): VV012433.D (-2857) (-)

Ion 77.00 (76.70 to 77.70): VV012433.D (-2857) (-)



#61

Bromoform

Concen: 0.728 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VV012431.D

Acq: 28 Aug 2019 19:09

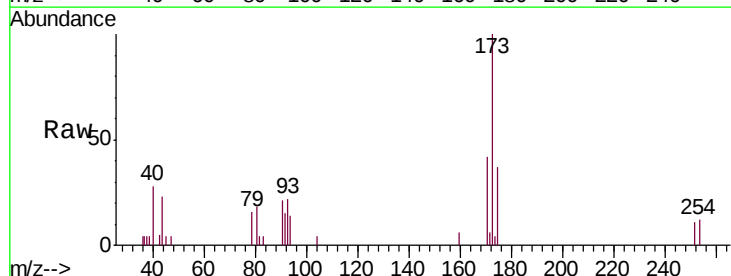
Tgt Ion: 173 Resp: 4297

Ion Ratio Lower Upper

173 100

175 47.8 38.7 58.1

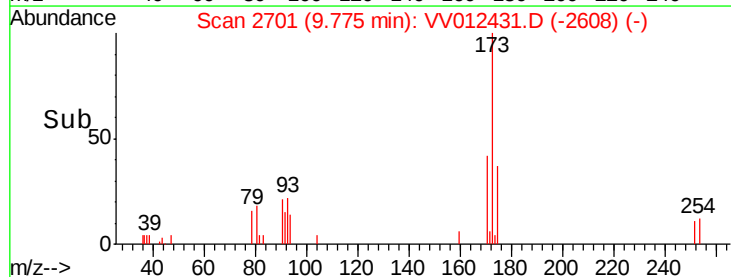
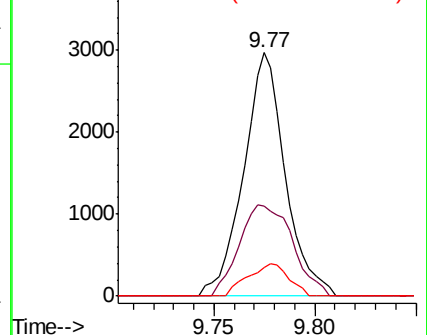
254 13.1 9.1 13.7

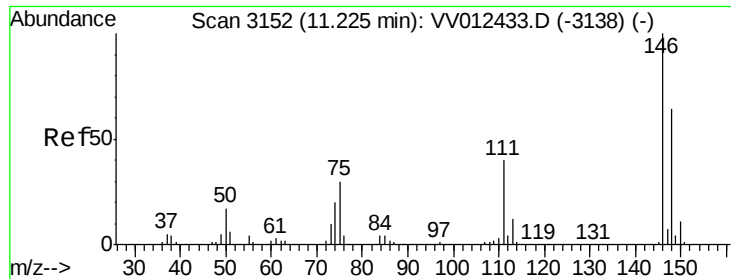


Abundance Ion 172.90 (172.60 to 173.60): VV012433.D (-2688) (-)

Ion 174.90 (174.60 to 175.60): VV012433.D (-2688) (-)

Ion 253.75 (253.45 to 254.45): VV012433.D (-2688) (-)





#62

1,3-Dichlorobenzene

Concen: 0.654 ug/L

RT: 11.22 min Scan# 3152

Delta R.T. -0.00 min

Lab File: VV012431.D

Acq: 28 Aug 2019 19:09

Instrument :

MSVOA_V

ClientSampled :

VSTD0.534

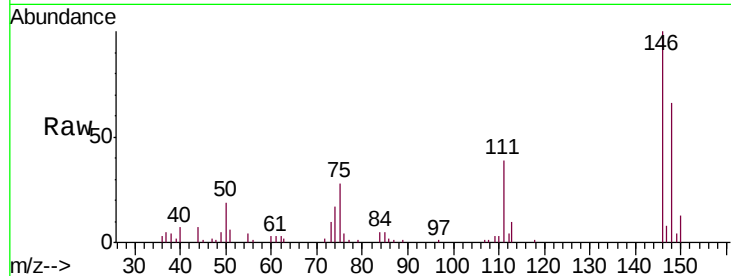
Tgt Ion:146 Resp: 18045

Ion Ratio Lower Upper

146 100

111 38.8 27.9 51.7

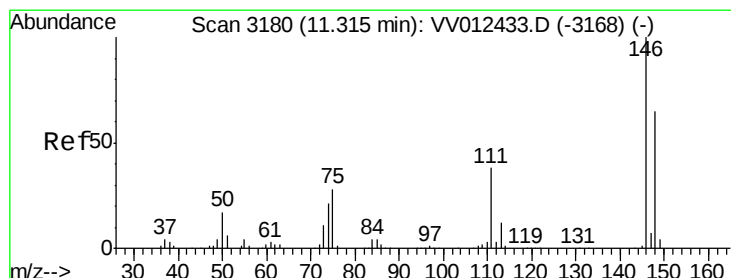
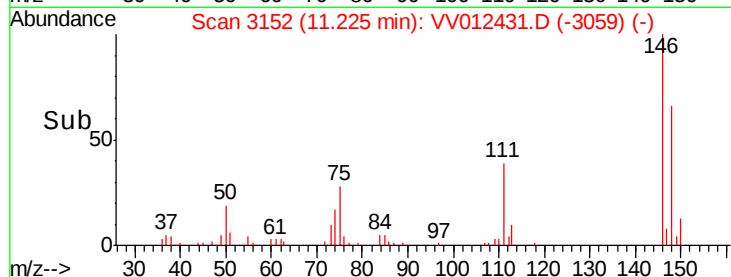
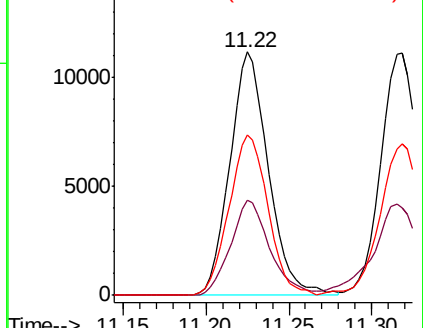
148 65.8 44.9 83.3



Abundance Ion 145.95 (145.65 to 146.65): V

15000 Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 0.650 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. 0.00 min

Lab File: VV012431.D

Acq: 28 Aug 2019 19:09

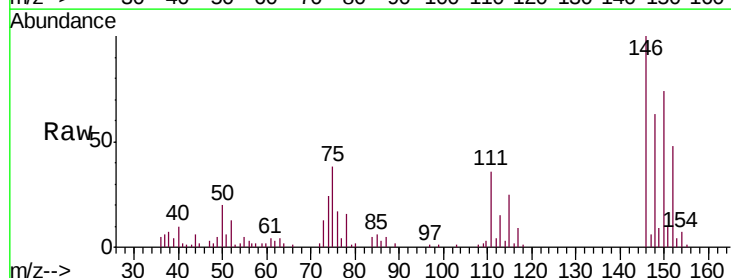
Tgt Ion:146 Resp: 17963

Ion Ratio Lower Upper

146 100

111 36.3 26.6 49.4

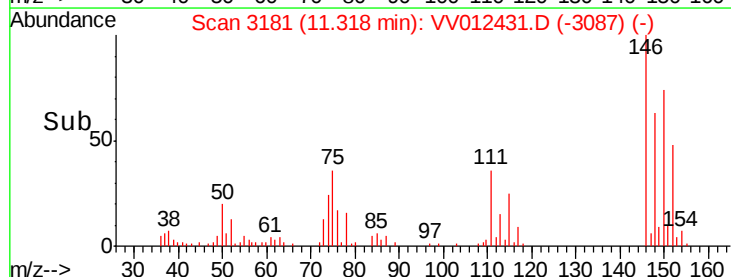
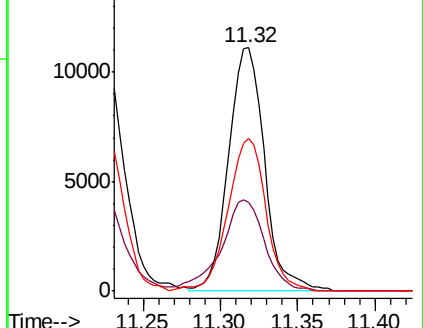
148 62.7 45.8 85.0

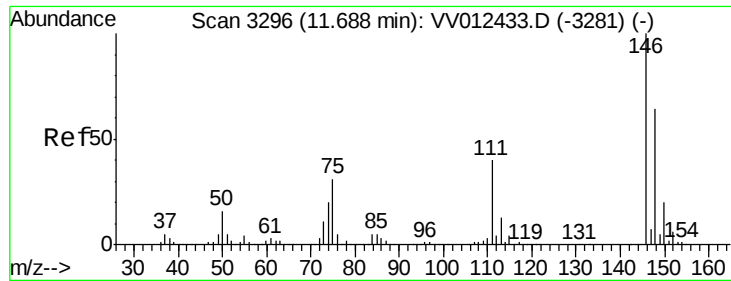


Abundance Ion 145.95 (145.65 to 146.65): V

15000 Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 0.680 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. -0.00 min

Lab File: VV012431.D

Acq: 28 Aug 2019 19:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.534

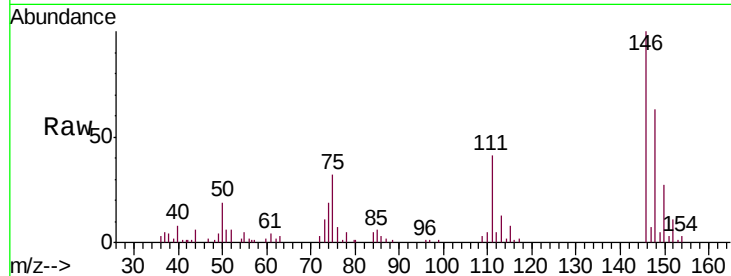
Tgt Ion:146 Resp: 17285

Ion Ratio Lower Upper

146 100

111 40.5 31.9 47.9

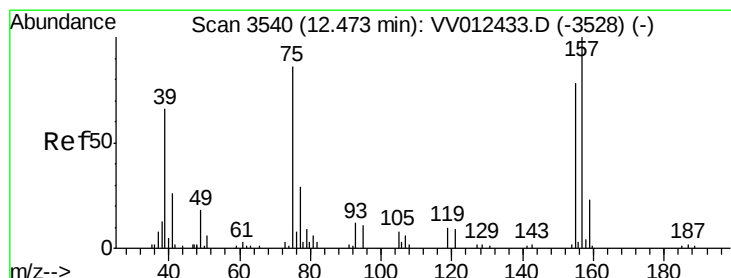
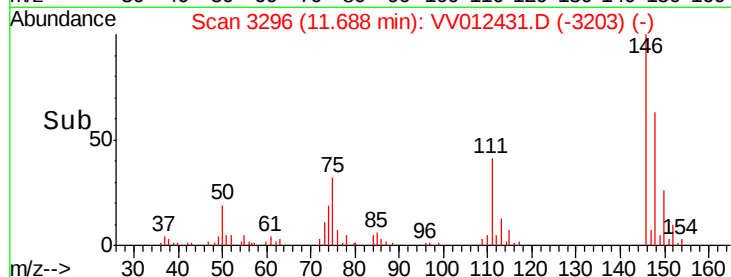
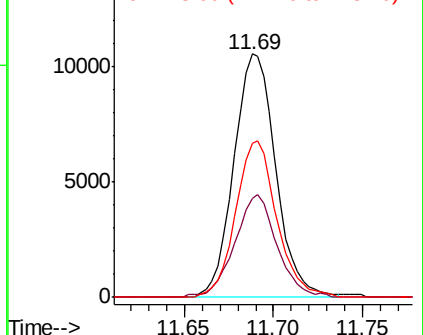
148 63.1 50.8 76.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 1.000 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. 0.00 min

Lab File: VV012431.D

Acq: 28 Aug 2019 19:09

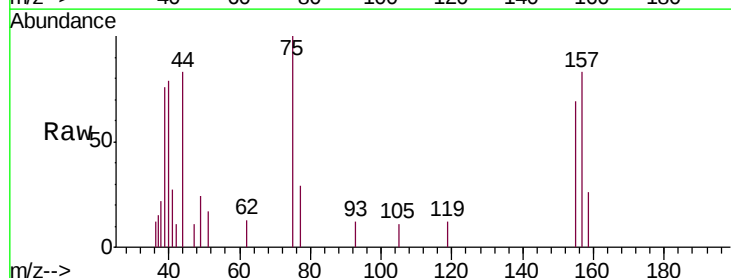
Tgt Ion: 75 Resp: 1518

Ion Ratio Lower Upper

75 100

155 68.9 72.4 108.6#

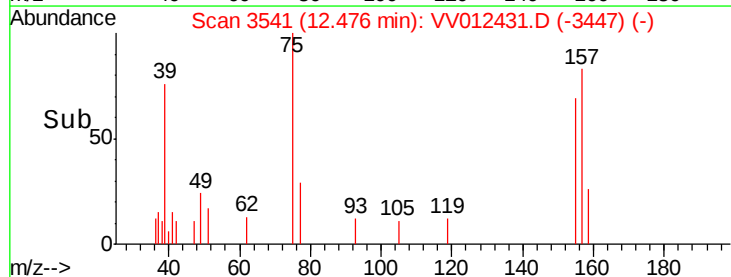
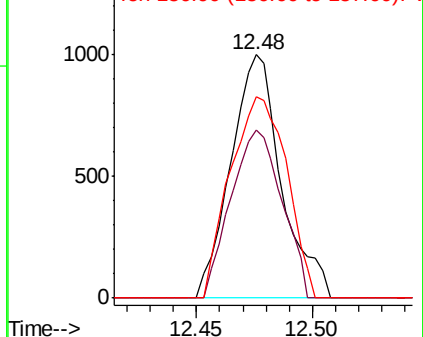
157 82.9 92.7 139.1#

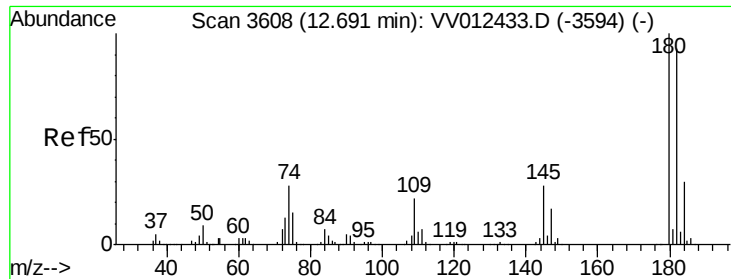


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

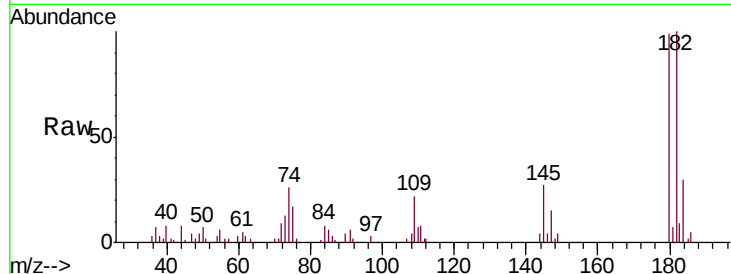




#67
 1,3,5-Trichlorobenzene
 Concen: 0.658 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. -0.00 min
 Lab File: VV012431.D
 Acq: 28 Aug 2019 19:09

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.534

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.0	74.8	112.2
184	31.4	24.1	36.1
145	27.8	22.2	33.4



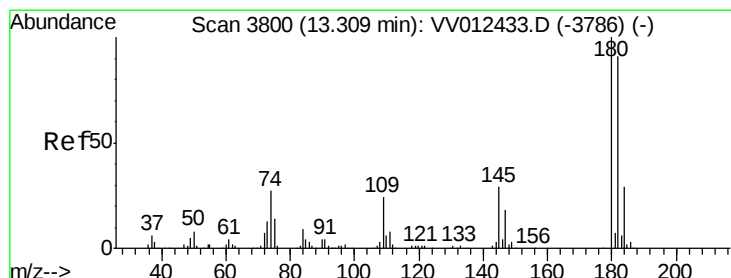
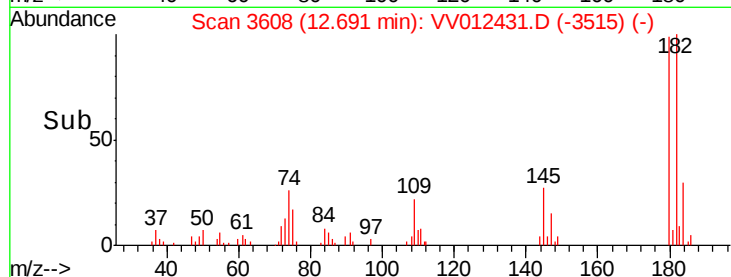
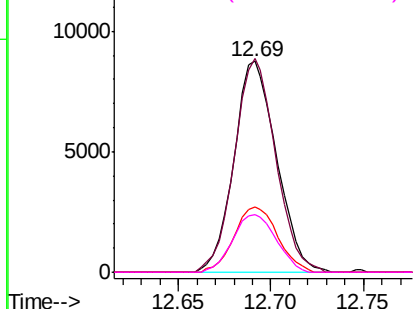
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

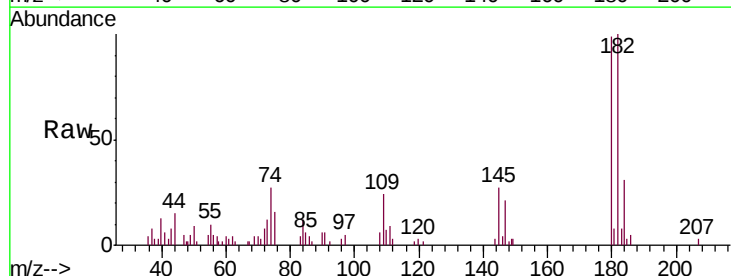
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 0.667 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. -0.00 min
 Lab File: VV012431.D
 Acq: 28 Aug 2019 19:09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.1	75.4	113.2
145	28.1	22.9	34.3

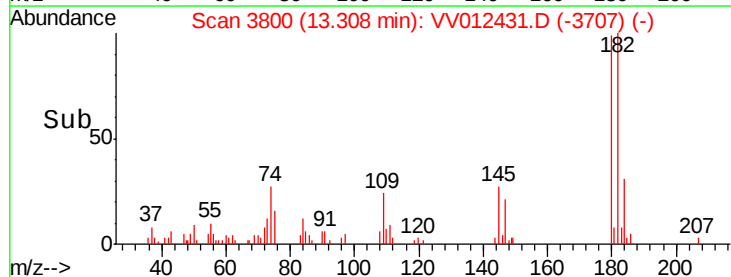
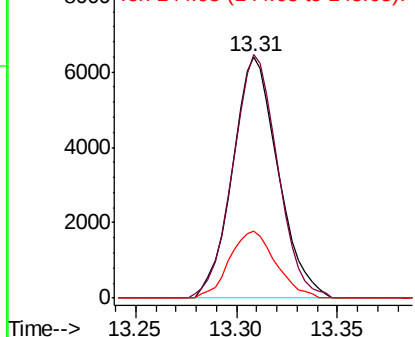


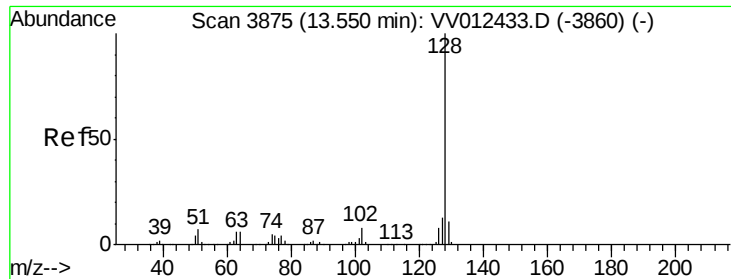
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 0.690 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. -0.00 min

Lab File: VV012431.D

Acq: 28 Aug 2019 19:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.534

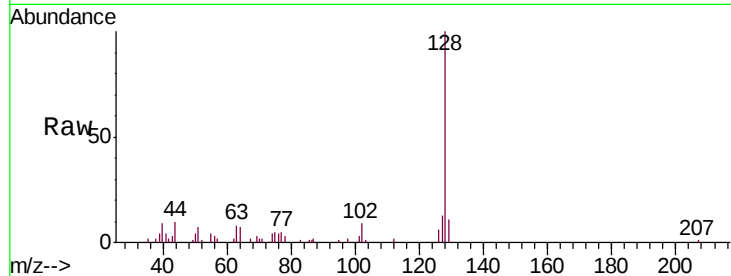
Tgt Ion:128 Resp: 15090

Ion Ratio Lower Upper

128 100

129 11.9 8.8 13.2

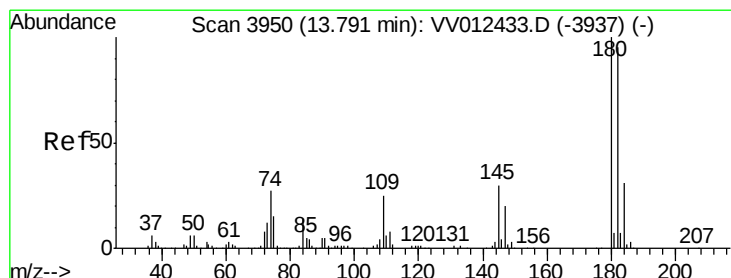
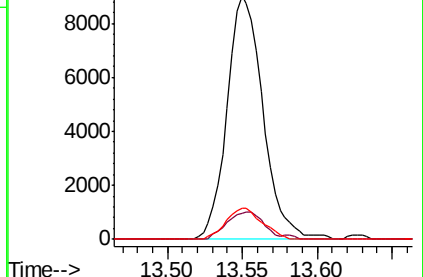
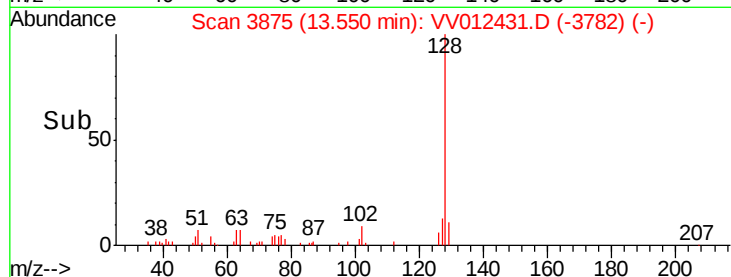
127 12.8 10.3 15.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.655 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. -0.00 min

Lab File: VV012431.D

Acq: 28 Aug 2019 19:09

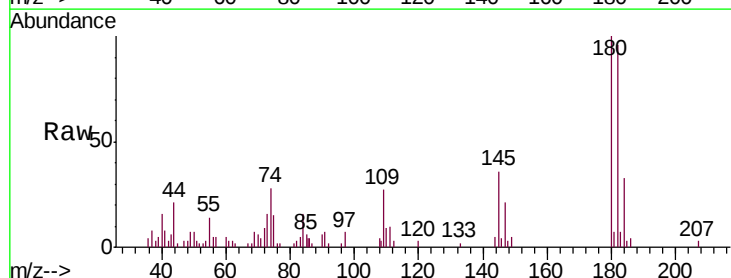
Tgt Ion:180 Resp: 9358

Ion Ratio Lower Upper

180 100

182 101.1 76.1 114.1

145 35.6 24.6 37.0



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

