

Data File : VV012434.D
Acq On : 28 Aug 2019 21:26
Operator : SY/MD
Sample : VSTD01031
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD01031

Quant Time: Aug 29 01:59:46 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	242477	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	233320	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	122383	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	19444	1.92	ug/L	0.00
7) Chloroethane-d5	1.58	69	19902	2.63	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.14	63	128418	6.41	ug/L	0.00
20) 2-Butanone-d5	3.96	46	384452	113.75	ug/L	0.00
24) Chloroform-d	4.40	84	211947	7.90	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	83289	6.60	ug/L	0.00
32) Benzene-d6	5.10	84	259441	5.15	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	118504	7.31	ug/L	0.00
41) Toluene-d8	7.36	98	272835	5.97	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	48097	7.80	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	301830	138.18	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	126566	10.77	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	168679	8.41	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	331869	14.120 ug/L	99
3) Chloromethane	1.25	50	262506	14.300 ug/L	97
5) Vinyl chloride	1.32	62	246034	14.049 ug/L	100
6) Bromomethane	1.54	94	128888	15.238 ug/L	98
8) Chloroethane	1.60	64	129837	14.514 ug/L	99
9) Trichlorofluoromethane	1.77	101	345994	14.627 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	162693	13.488 ug/L	99
12) 1,1-Dichloroethene	2.14	96	157505	14.197 ug/L	97
13) Acetone	2.23	43	247050	150.782 ug/L	99
14) Carbon disulfide	2.32	76	478472	13.801 ug/L	99
15) Methyl Acetate	2.47	43	59597	14.642 ug/L	96
16) Methylene chloride	2.53	84	159482	13.059 ug/L	97
17) Methyl tert-butyl Ether	2.81	73	493183	14.794 ug/L	100
18) trans-1,2-Dichloroethene	2.79	96	226274	13.998 ug/L	97
19) 1,1-Dichloroethane	3.23	63	437632	14.311 ug/L	99
21) 2-Butanone	4.05	43	593461	156.074 ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	245291	13.914 ug/L	99
23) Bromochloromethane	4.30	128	102736	13.811 ug/L	98
25) Chloroform	4.42	83	428913	12.770 ug/L	98
27) 1,2-Dichloroethane	5.18	62	258453	14.292 ug/L	98
29) 1,1,1-Trichloroethane	4.65	97	373394	14.274 ug/L	99
30) Cyclohexane	4.72	56	411383	15.136 ug/L	99
31) Carbon tetrachloride	4.87	117	332589	14.381 ug/L	99
33) Benzene	5.14	78	961436	14.420 ug/L	100
34) Trichloroethene	5.96	95	243985	13.738 ug/L	99
35) Methylcyclohexane	6.17	83	412673	14.639 ug/L	98
37) 1,2-Dichloropropane	6.22	63	244135	14.370 ug/L	100
38) Bromodichloromethane	6.55	83	303611	14.445 ug/L	100
39) cis-1,3-Dichloropropene	7.07	75	338328	14.767 ug/L	98
40) 4-Methyl-2-pentanone	7.27	43	1483329	158.881 ug/L	100

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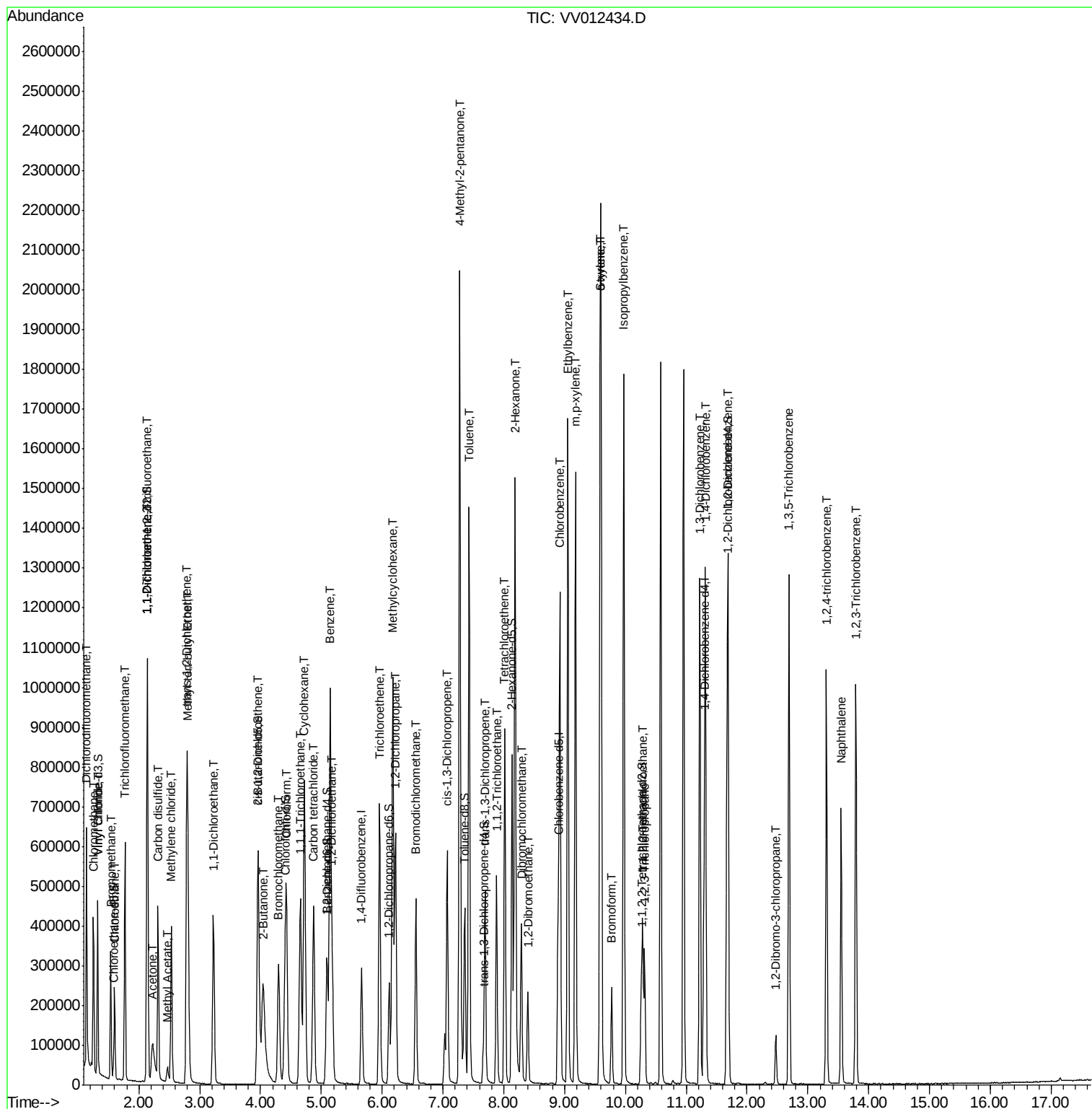
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	1032423	15.065	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	260518	15.196	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	158890	14.430	ug/L	99
47) Tetrachloroethene	8.02	164	199457	13.851	ug/L	99
48) 2-Hexanone	8.18	43	1050043	157.152	ug/L	100
49) Dibromochloromethane	8.29	129	195155	14.735	ug/L	97
50) 1,2-Dibromoethane	8.40	107	148270	14.430	ug/L	99
51) Chlorobenzene	8.92	112	636507	14.300	ug/L	99
52) Ethylbenzene	9.05	91	1138546	15.378	ug/L	100
53) m,p-xylene	9.18	106	432892	15.497	ug/L	99
54) o-xylene	9.59	106	416626	15.673	ug/L	100
55) Styrene	9.60	104	711390	15.942	ug/L	100
56) Isopropylbenzene	9.97	105	1114686	15.766	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	191143	15.574	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	133610	14.172	ug/L	97
61) Bromoform	9.77	173	108497	13.661	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	508107	13.677	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	502599	13.524	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	468031	13.690	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	29604	14.499	ug/L	93
67) 1,3,5-Trichlorobenzene	12.69	180	393014	13.785	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	315228	15.438	ug/L	98
69) Naphthalene	13.55	128	522983	17.770	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	306044	15.914	ug/L	100

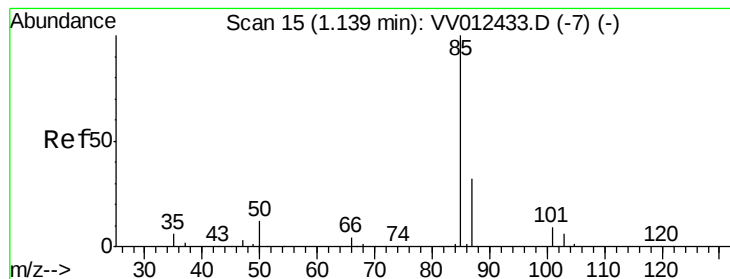
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 14.120 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV012434.D

Acq: 28 Aug 2019 21:26

Instrument :

MSVOA_V

ClientSampleId :

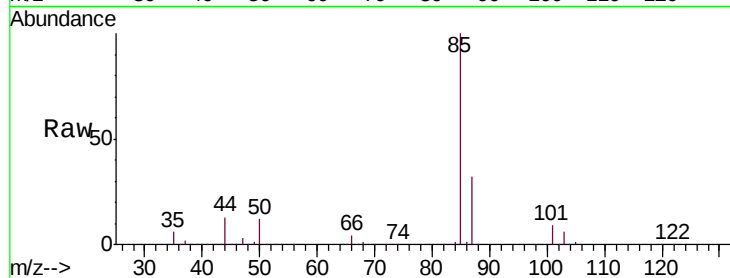
VSTD01031

Tgt Ion: 85 Resp: 331869

Ion Ratio Lower Upper

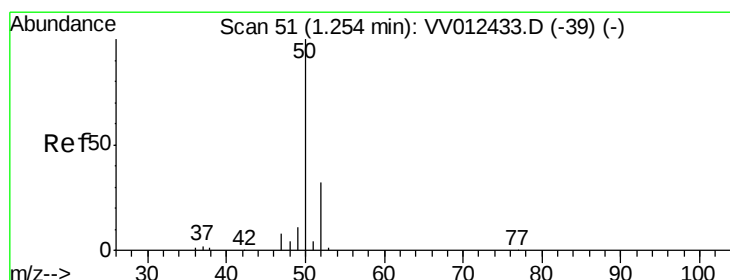
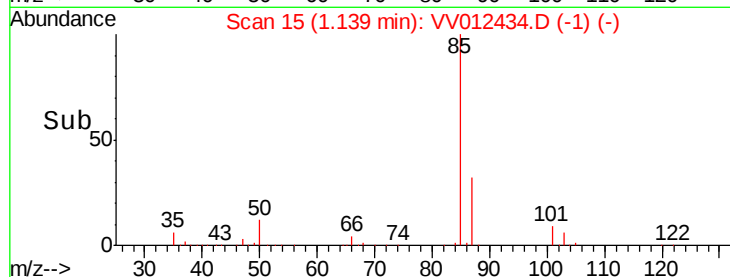
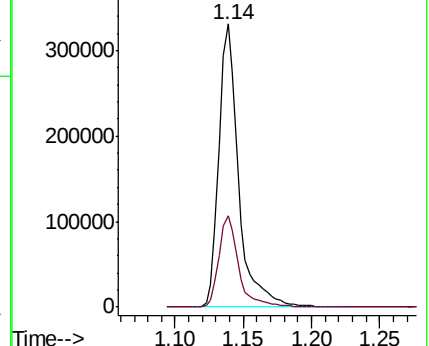
85 100

87 32.4 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: 14.300 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV012434.D

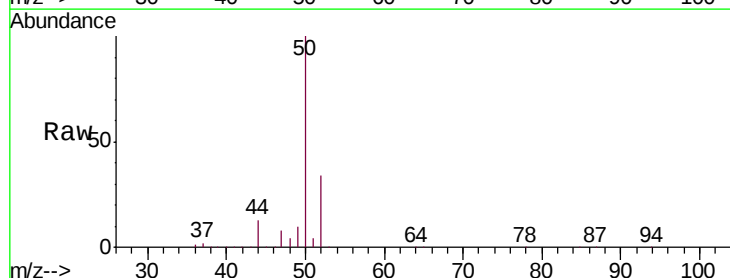
Acq: 28 Aug 2019 21:26

Tgt Ion: 50 Resp: 262506

Ion Ratio Lower Upper

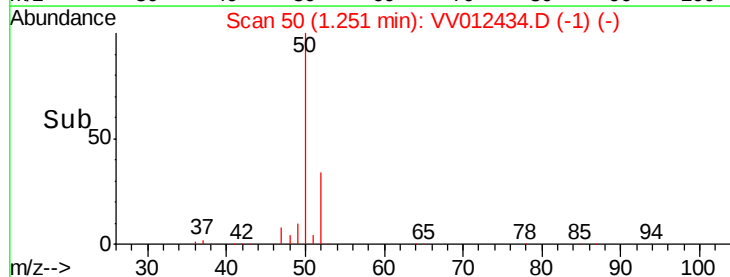
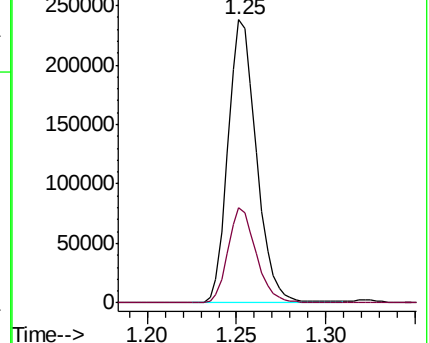
50 100

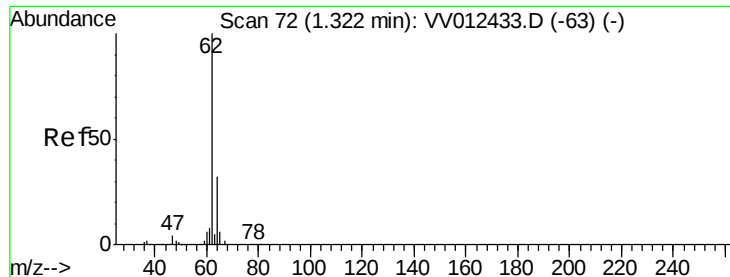
52 33.7 22.3 41.5



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 14.049 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV012434.D

Acq: 28 Aug 2019 21:26

Instrument :

MSVOA_V

ClientSampleId :

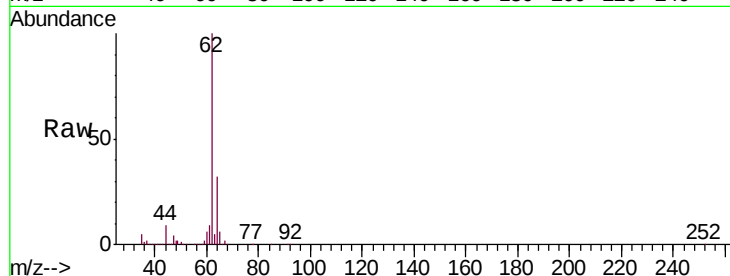
VSTD01031

Tgt Ion: 62 Resp: 246034

Ion Ratio Lower Upper

62 100

64 32.0 22.3 41.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

250000

200000

150000

100000

50000

0

1.25

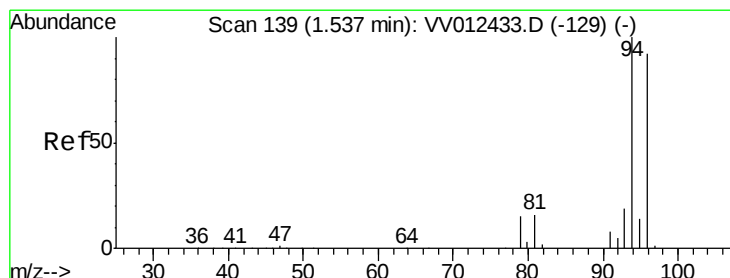
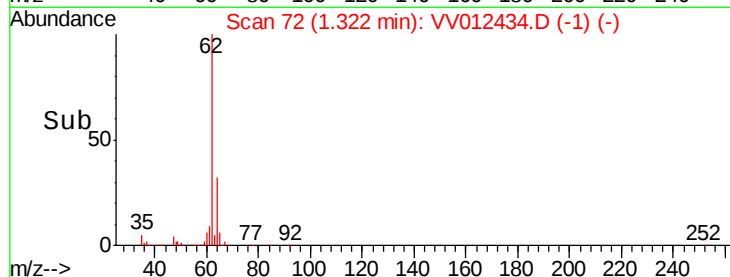
1.30

1.32

1.35

1.40

Time-->



#6

Bromomethane

Concen: 15.238 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV012434.D

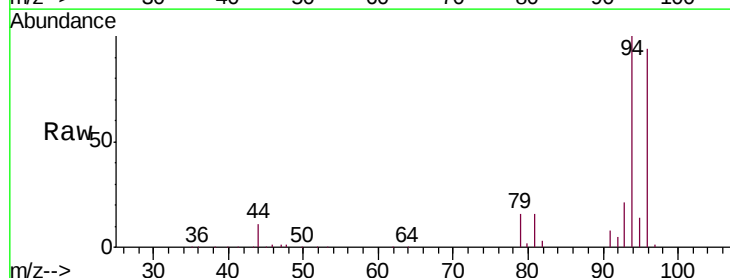
Acq: 28 Aug 2019 21:26

Tgt Ion: 94 Resp: 128888

Ion Ratio Lower Upper

94 100

96 94.1 64.3 119.3



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

120000

100000

80000

60000

40000

20000

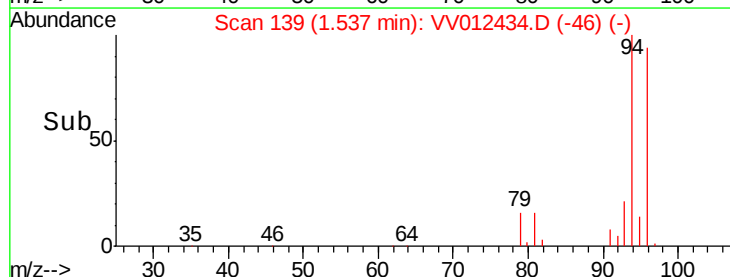
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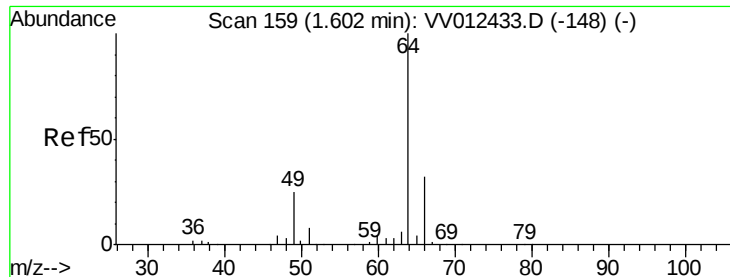
1.50

1.54

1.60

Time-->





#8

Chloroethane

Concen: 14.514 ug/L

RT: 1.60 min Scan# 159

Delta R.T. -0.00 min

Lab File: VV012434.D

Acq: 28 Aug 2019 21:26

Instrument :

MSVOA_V

ClientSampleId :

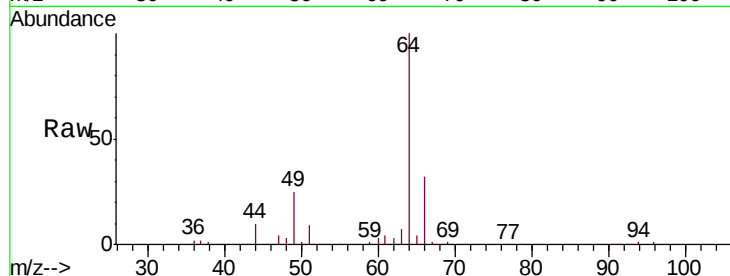
VSTD01031

Tgt Ion: 64 Resp: 129837

Ion Ratio Lower Upper

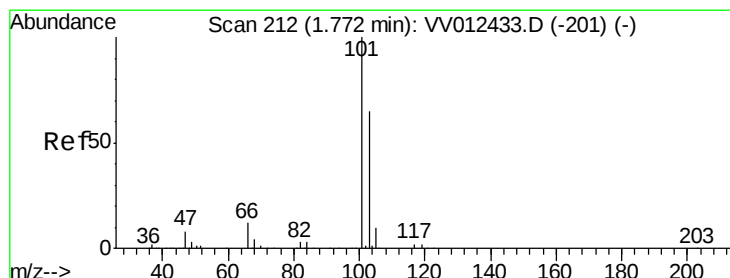
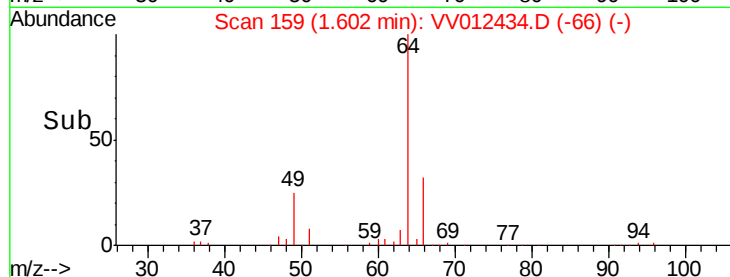
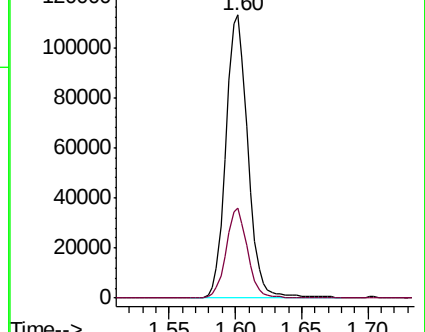
64 100

66 31.7 22.4 41.6



Abundance Ion 64.10 (63.80 to 64.80): VV012433.D (-148) (-)

Ion 66.05 (65.75 to 66.75): VV012433.D (-148) (-)



#9

Trichlorofluoromethane

Concen: 14.627 ug/L

RT: 1.77 min Scan# 211

Delta R.T. -0.00 min

Lab File: VV012434.D

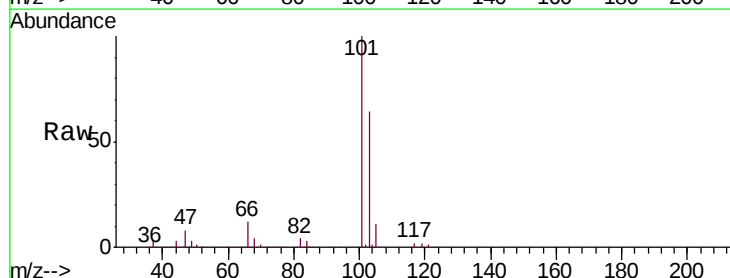
Acq: 28 Aug 2019 21:26

Tgt Ion: 101 Resp: 345994

Ion Ratio Lower Upper

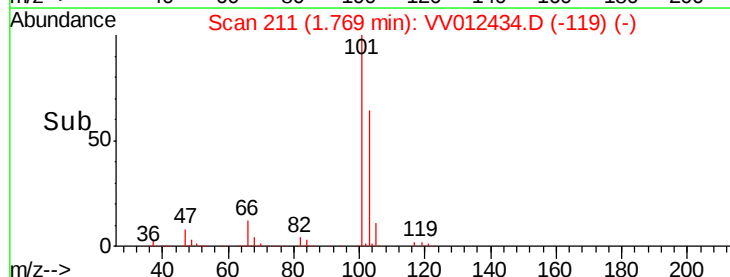
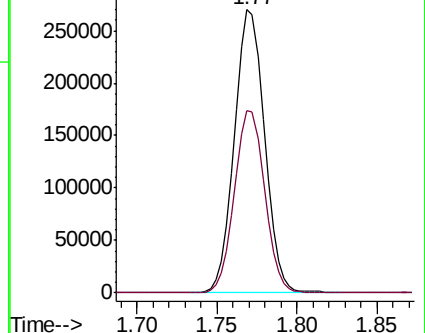
101 100

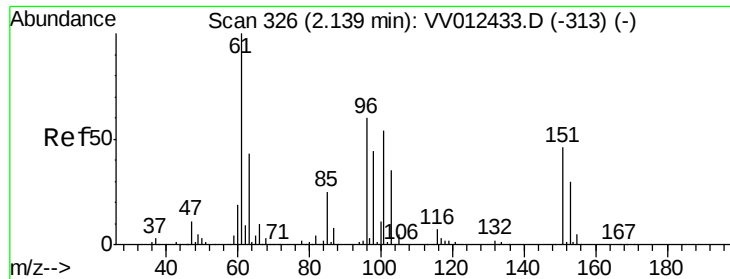
103 64.7 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): VV012433.D (-201) (-)

Ion 103.00 (102.70 to 103.70): VV012433.D (-201) (-)





#10

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

Concen: 13.488 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV012434.D

Acq: 28 Aug 2019 21:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD01031

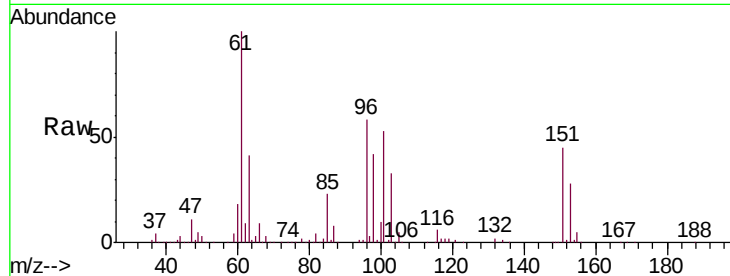
Tgt Ion: 101 Resp: 162693

Ion Ratio Lower Upper

101 100

85 44.7 35.9 53.9

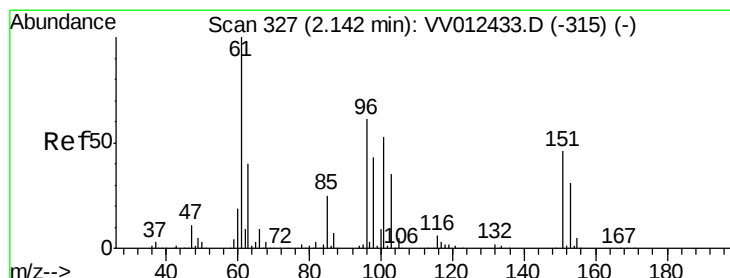
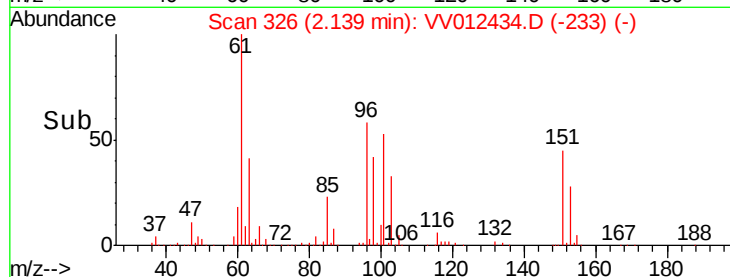
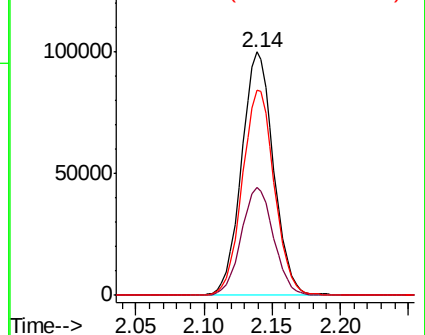
151 84.7 68.4 102.6



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: 14.197 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV012434.D

Acq: 28 Aug 2019 21:26

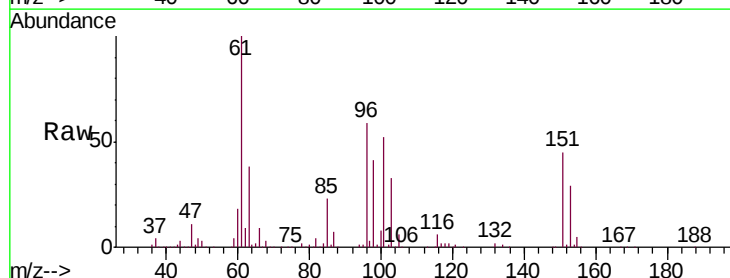
Tgt Ion: 96 Resp: 157505

Ion Ratio Lower Upper

96 100

61 169.0 114.0 211.6

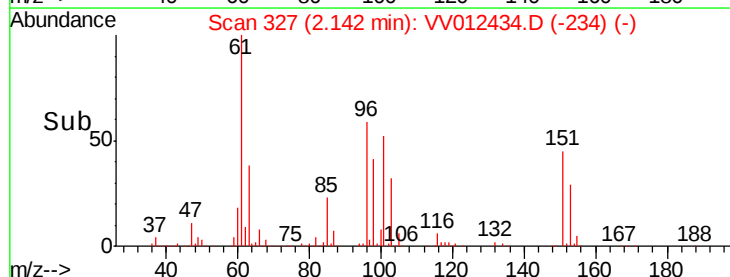
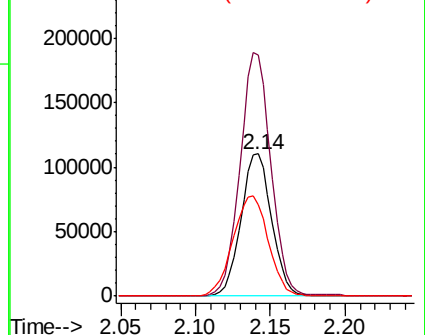
63 64.6 45.3 84.1

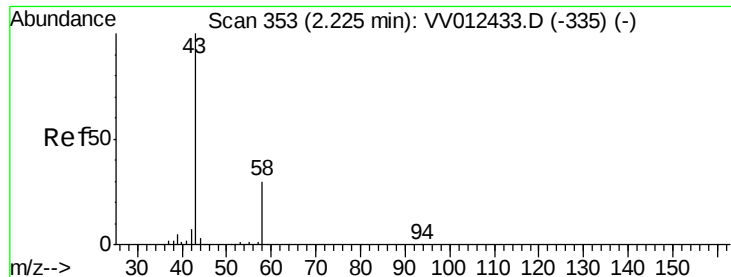


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 150.782 ug/L

RT: 2.23 min Scan# 353

Delta R.T. -0.00 min

Lab File: VV012434.D

Acq: 28 Aug 2019 21:26

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MSVOA_V

ClientSampleId :

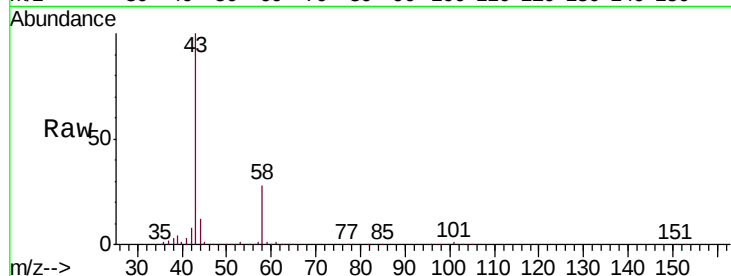
VSTD01031

Tgt Ion: 43 Resp: 247050

Ion Ratio Lower Upper

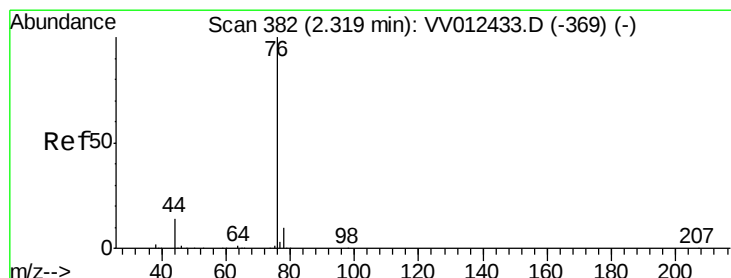
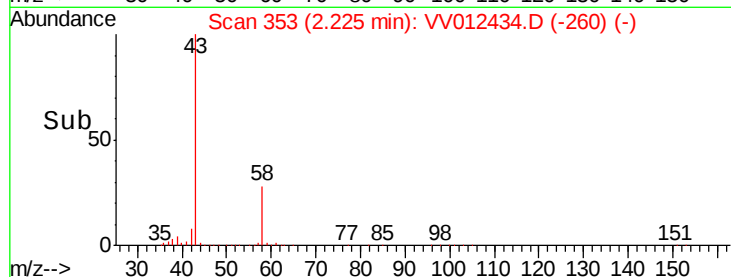
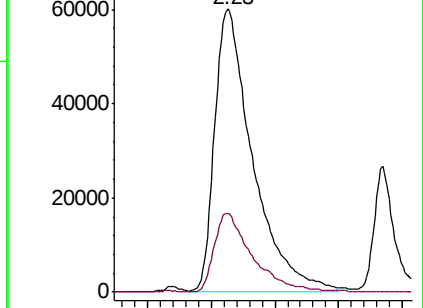
43 100

58 28.4 0.0 56.2



Abundance Ion 43.05 (42.75 to 43.75): VV012433.D (-335) (-)

Ion 58.05 (57.75 to 58.75): VV012433.D (-335) (-)



#14

Carbon disulfide

Concen: 13.801 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV012434.D

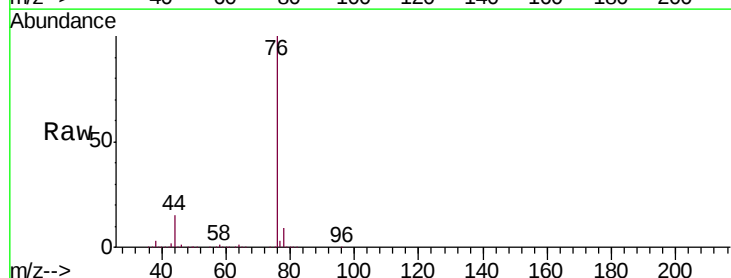
Acq: 28 Aug 2019 21:26

Tgt Ion: 76 Resp: 478472

Ion Ratio Lower Upper

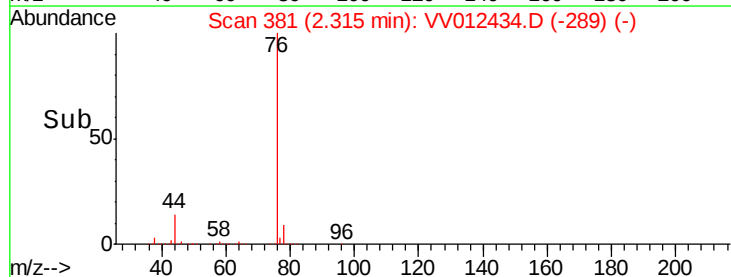
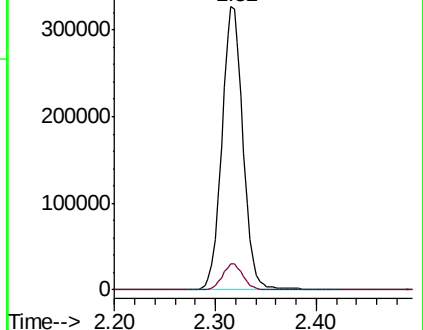
76 100

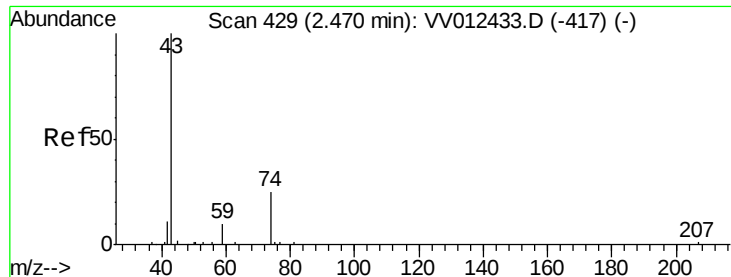
78 9.1 7.7 11.5



Abundance Ion 76.05 (75.75 to 76.75): VV012433.D (-369) (-)

Ion 78.00 (77.70 to 78.70): VV012433.D (-369) (-)

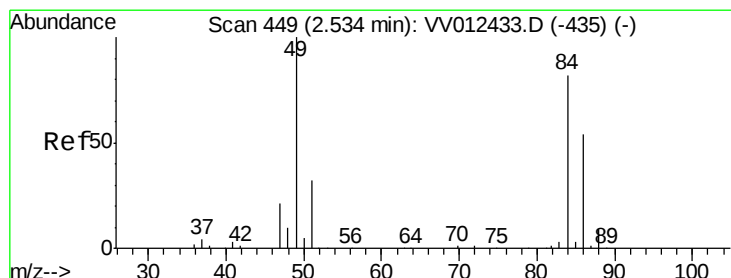
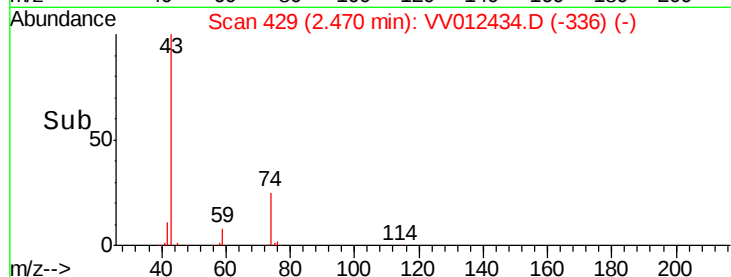
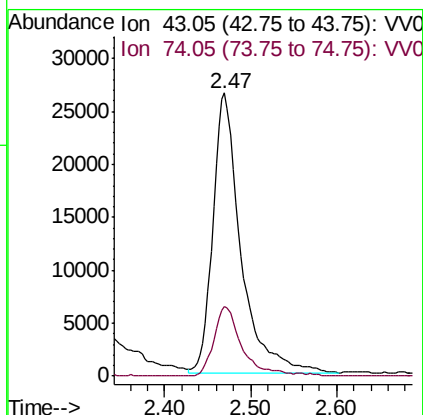
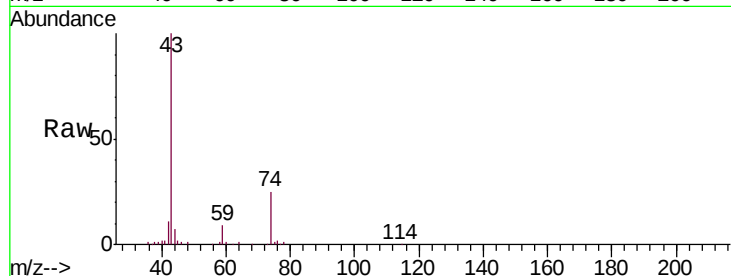




#15
Methyl Acetate
Concen: 14.642 ug/L
RT: 2.47 min Scan# 429
Delta R.T. -0.00 min
Lab File: VV012434.D
Acq: 28 Aug 2019 21:26

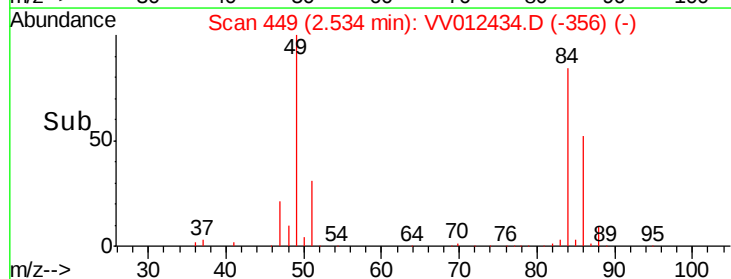
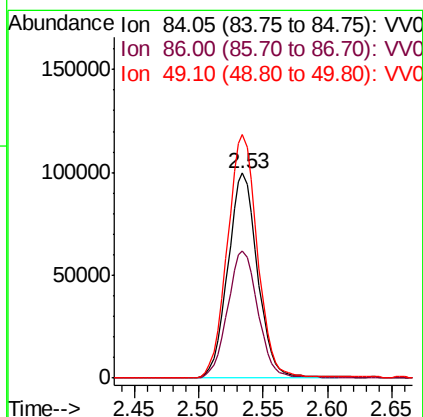
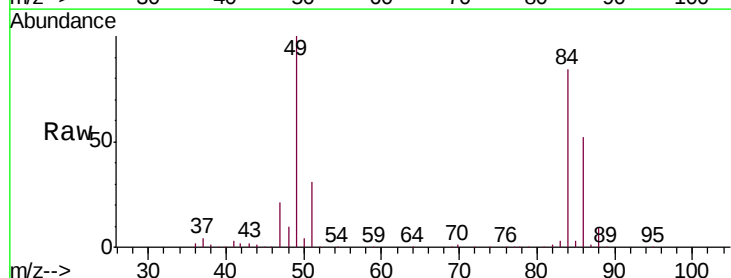
Instrument :
MSVOA_V
ClientSampleId :
VSTD01031

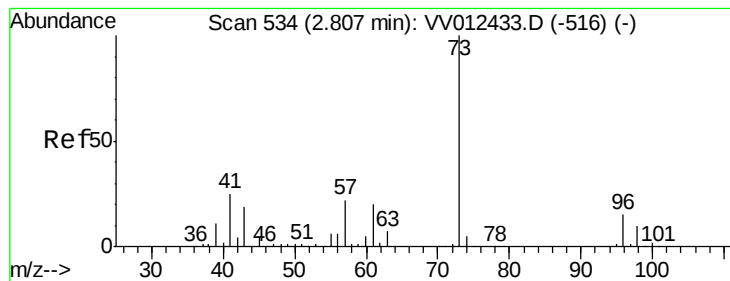
Tgt Ion: 43 Resp: 59597
Ion Ratio Lower Upper
43 100
74 24.9 21.7 32.5



#16
Methylene chloride
Concen: 13.059 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV012434.D
Acq: 28 Aug 2019 21:26

Tgt Ion: 84 Resp: 159482
Ion Ratio Lower Upper
84 100
86 62.0 45.8 85.0
49 118.9 85.5 158.9





#17

Methyl tert-butyl Ether

Concen: 14.794 ug/L

RT: 2.81 min Scan# 534

Delta R.T. -0.00 min

Lab File: VV012434.D

Acq: 28 Aug 2019 21:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD01031

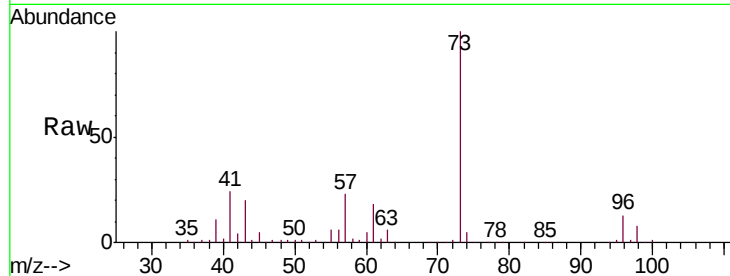
Tgt Ion: 73 Resp: 493183

Ion Ratio Lower Upper

73 100

43 19.8 15.9 23.9

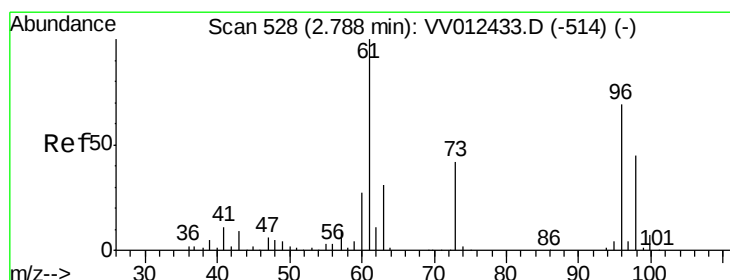
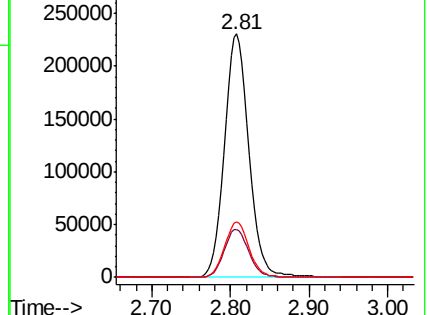
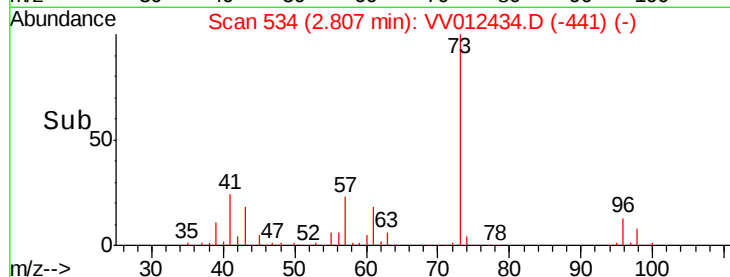
57 22.9 18.6 27.8



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: 13.998 ug/L

RT: 2.79 min Scan# 528

Delta R.T. -0.00 min

Lab File: VV012434.D

Acq: 28 Aug 2019 21:26

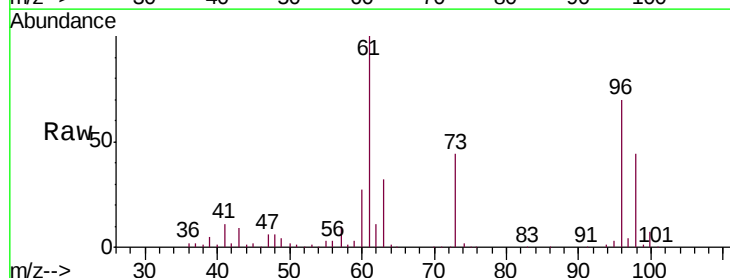
Tgt Ion: 96 Resp: 226274

Ion Ratio Lower Upper

96 100

61 143.3 102.1 189.5

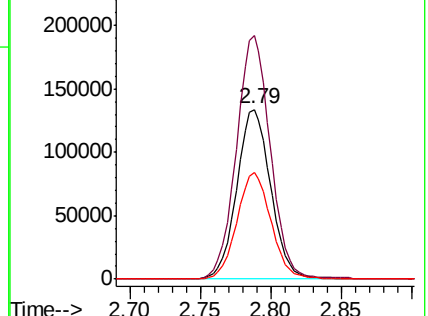
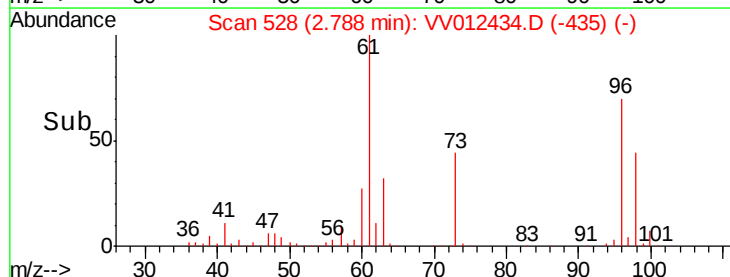
98 62.5 45.8 85.0

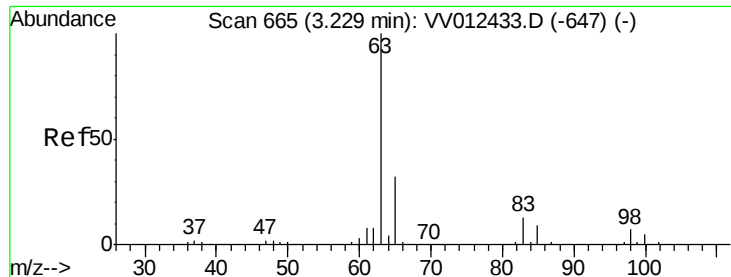


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0

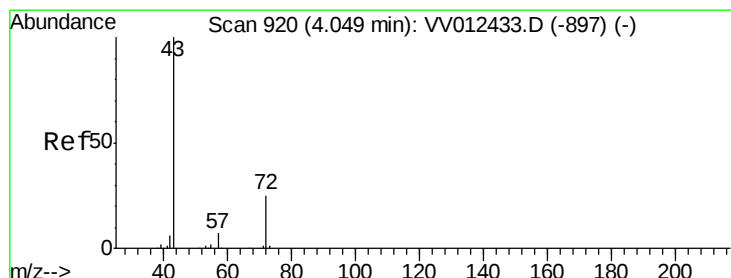
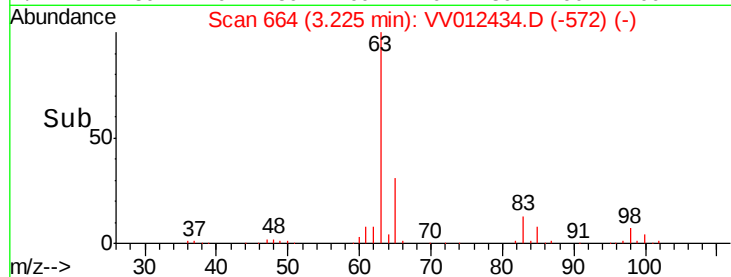
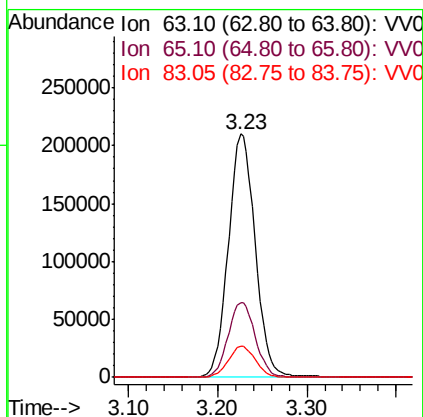
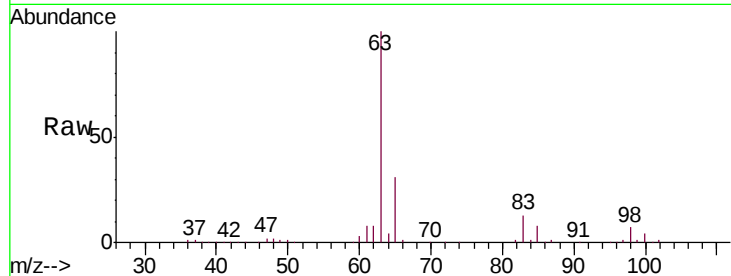




#19
 1,1-Dichloroethane
 Concen: 14.311 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. -0.00 min
 Lab File: VV012434.D
 Acq: 28 Aug 2019 21:26

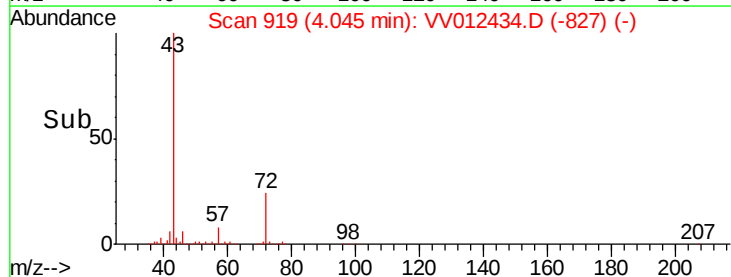
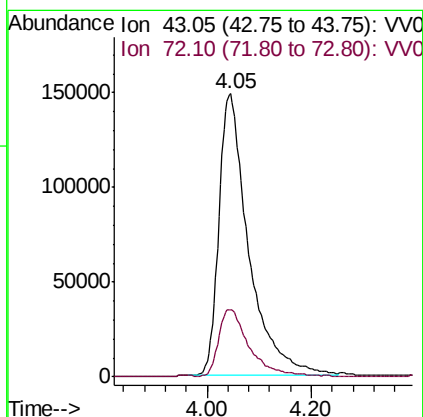
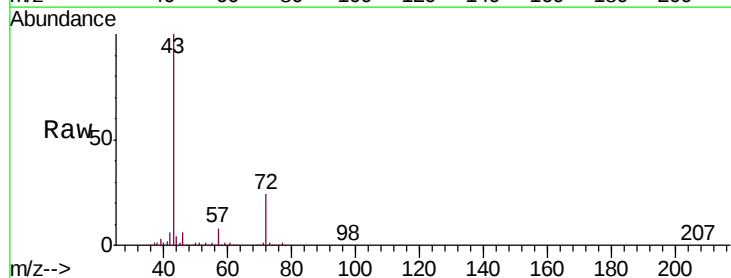
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01031

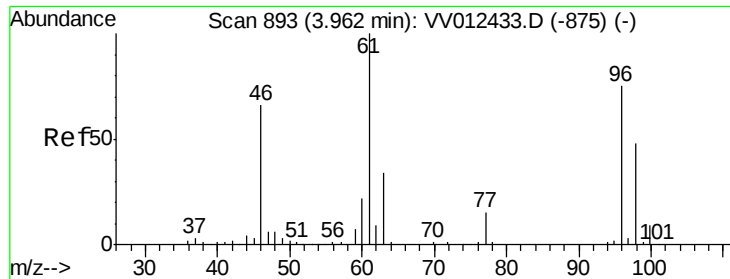
Tgt Ion: 63 Resp: 437632
 Ion Ratio Lower Upper
 63 100
 65 30.7 22.2 41.2
 83 12.7 9.0 16.8



#21
 2-Butanone
 Concen: 156.074 ug/L
 RT: 4.05 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VV012434.D
 Acq: 28 Aug 2019 21:26

Tgt Ion: 43 Resp: 593461
 Ion Ratio Lower Upper
 43 100
 72 23.3 12.2 36.6



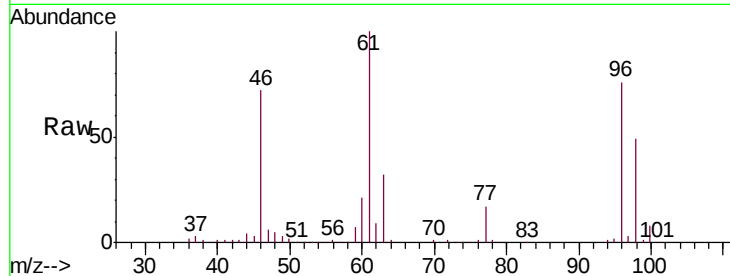


#22

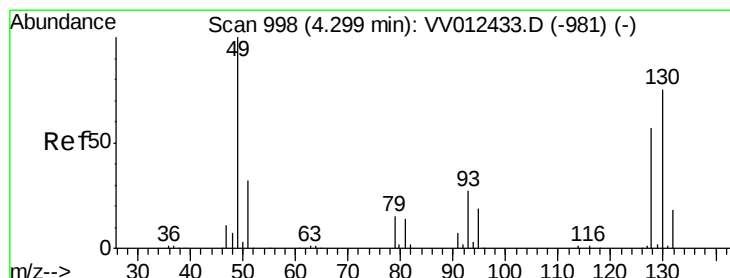
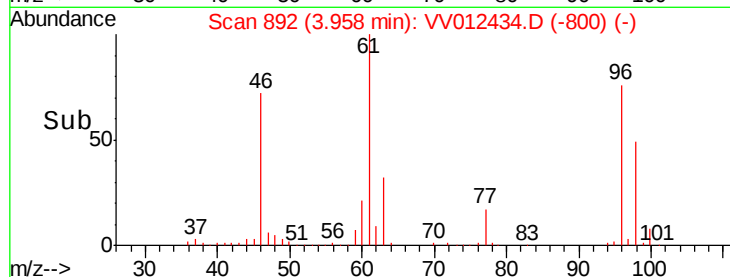
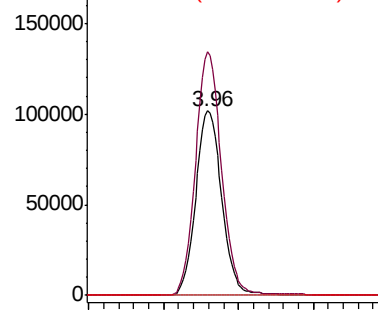
cis-1,2-Dichloroethene
 Concen: 13.914 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. -0.00 min
 Lab File: VV012434.D
 Acq: 28 Aug 2019 21:26

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01031

Tgt Ion: 96 Resp: 245291
 Ion Ratio Lower Upper
 96 100
 61 132.2 93.7 173.9
 68 0.0 0.0 0.0



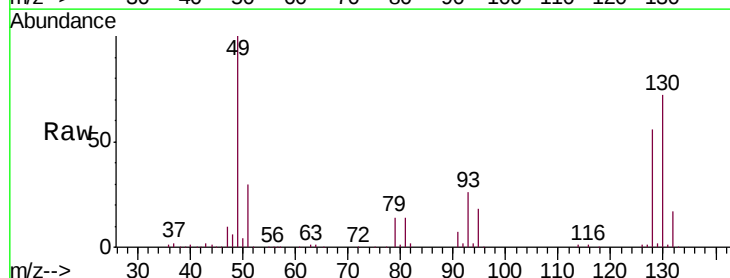
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



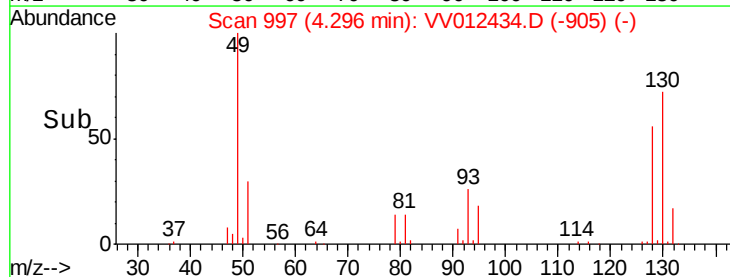
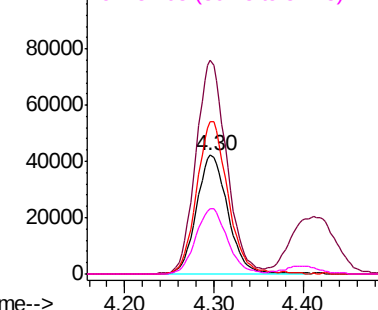
#23

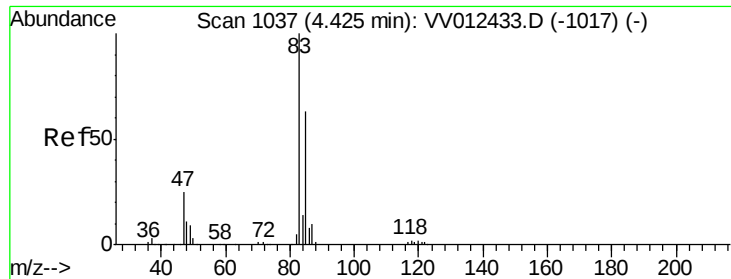
Bromochloromethane
 Concen: 13.811 ug/L
 RT: 4.30 min Scan# 997
 Delta R.T. -0.00 min
 Lab File: VV012434.D
 Acq: 28 Aug 2019 21:26

Tgt Ion: 128 Resp: 102736
 Ion Ratio Lower Upper
 128 100
 49 180.0 122.2 226.9
 130 128.8 90.9 168.7
 51 54.7 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: 12.770 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. -0.00 min

Lab File: VV012434.D

Acq: 28 Aug 2019 21:26

Instrument :

MSVOA_V

ClientSampleId :

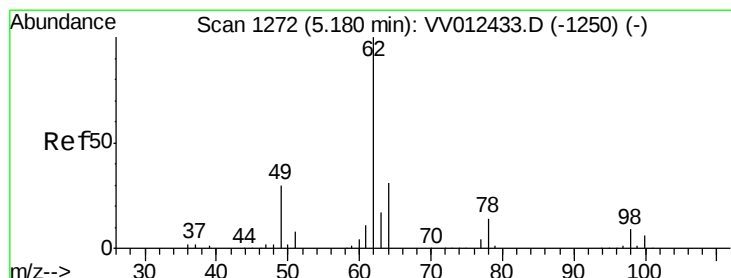
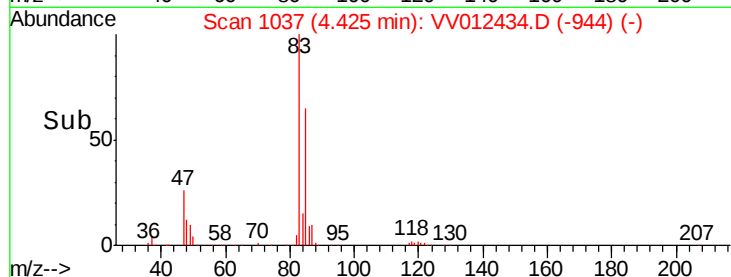
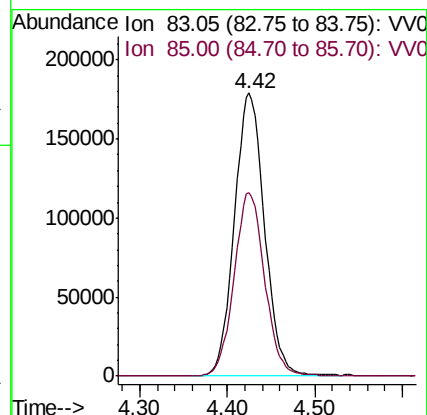
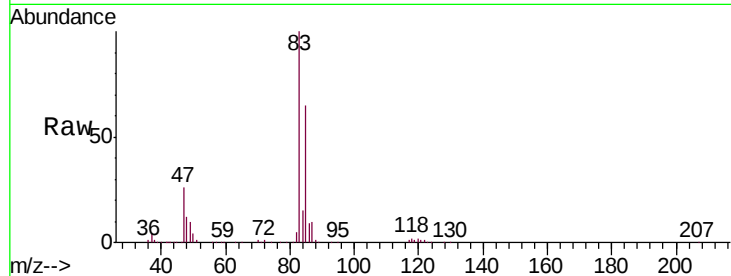
VSTD01031

Tgt Ion: 83 Resp: 428913

Ion Ratio Lower Upper

83 100

85 65.0 44.2 82.2



#27

1,2-Dichloroethane

Concen: 14.292 ug/L

RT: 5.18 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VV012434.D

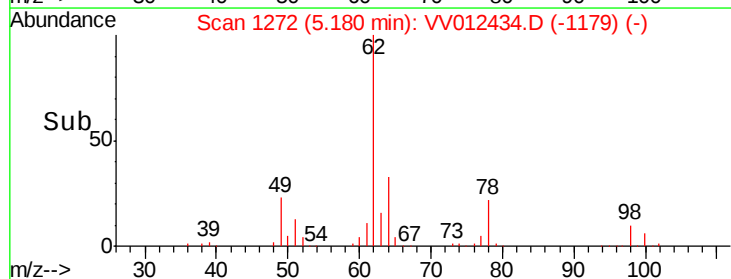
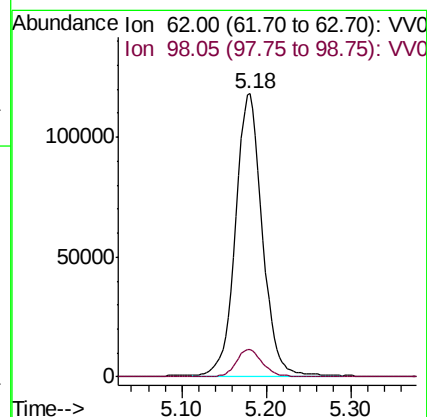
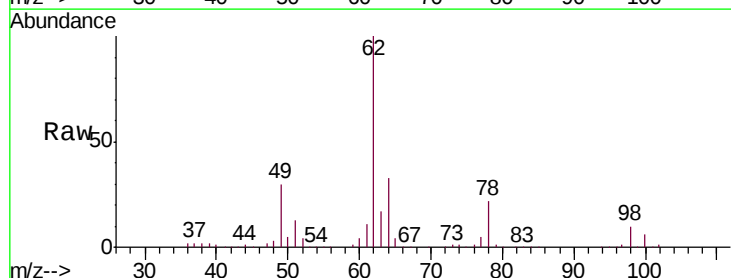
Acq: 28 Aug 2019 21:26

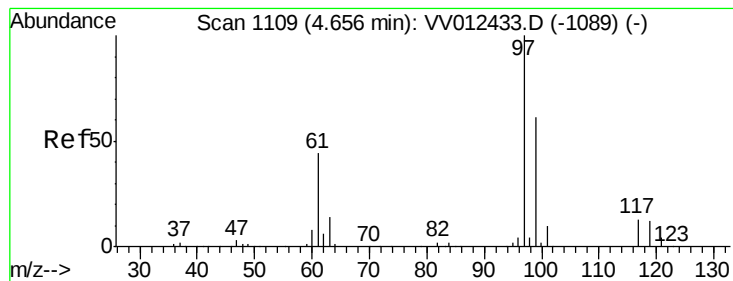
Tgt Ion: 62 Resp: 258453

Ion Ratio Lower Upper

62 100

98 9.7 7.1 10.7





#29

1,1,1-Trichloroethane

Concen: 14.274 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VV012434.D

Acq: 28 Aug 2019 21:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD01031

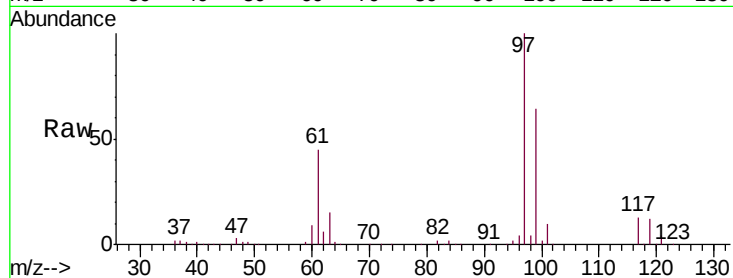
Tgt Ion: 97 Resp: 373394

Ion Ratio Lower Upper

97 100

99 64.4 50.5 75.7

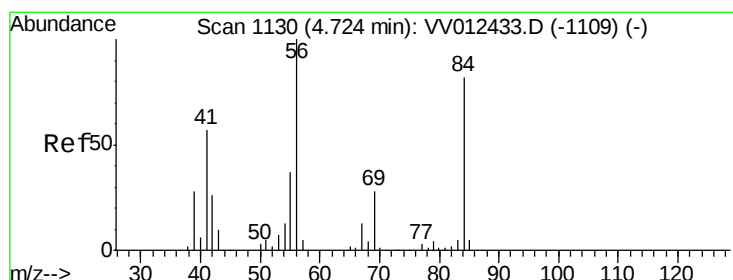
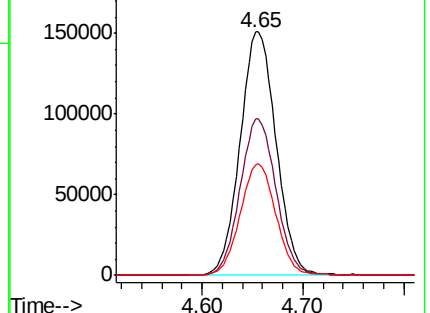
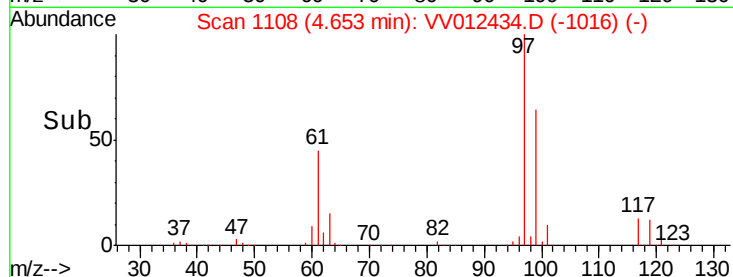
61 45.6 36.0 54.0



Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0



#30

Cyclohexane

Concen: 15.136 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VV012434.D

Acq: 28 Aug 2019 21:26

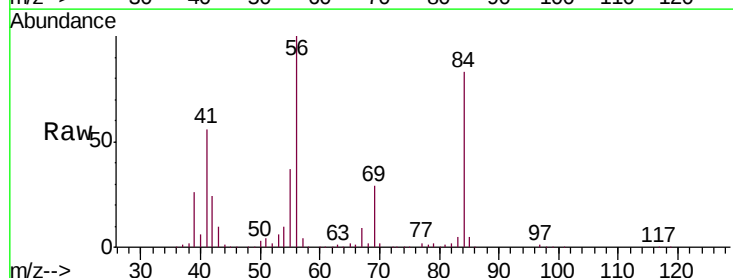
Tgt Ion: 56 Resp: 411383

Ion Ratio Lower Upper

56 100

69 29.4 23.0 34.4

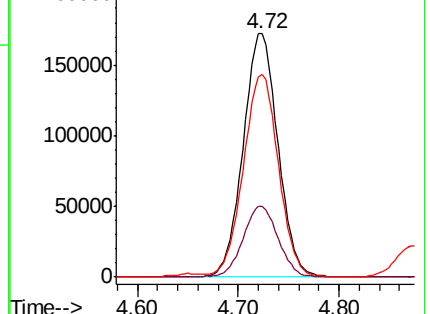
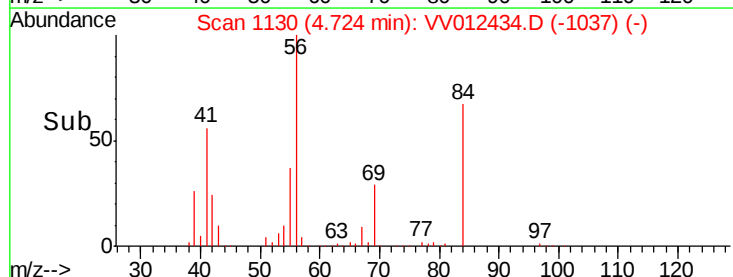
84 84.8 67.3 100.9

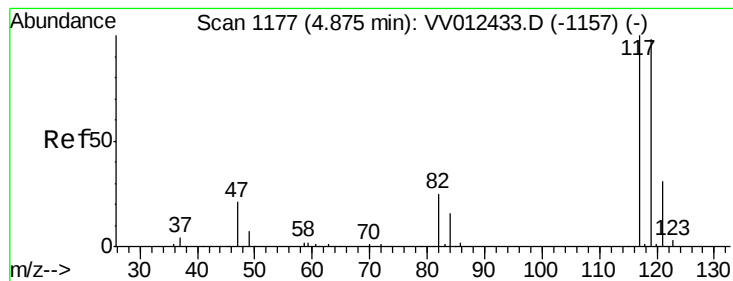


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 14.381 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VV012434.D

Acq: 28 Aug 2019 21:26

Instrument :

MSVOA_V

ClientSampleId :

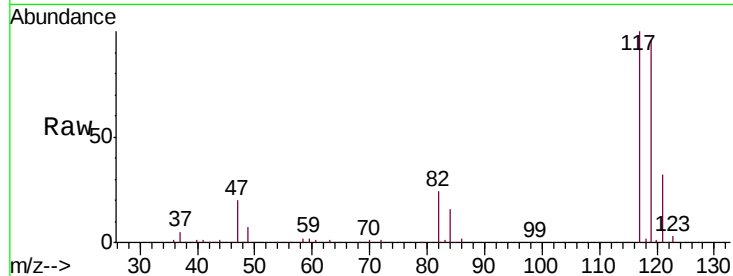
VSTD01031

Tgt Ion:117 Resp: 332589

Ion Ratio Lower Upper

117 100

119 95.8 77.7 116.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.87

150000

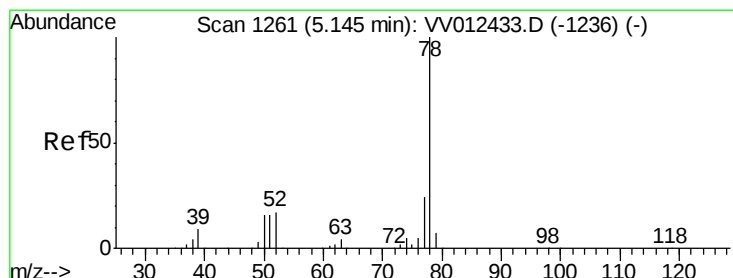
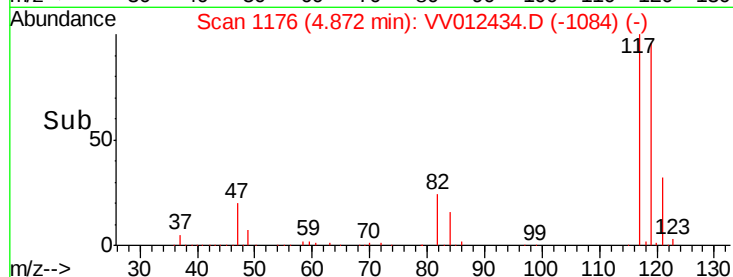
100000

50000

0

Time-->

4.80 4.90 5.00



#33

Benzene

Concen: 14.420 ug/L

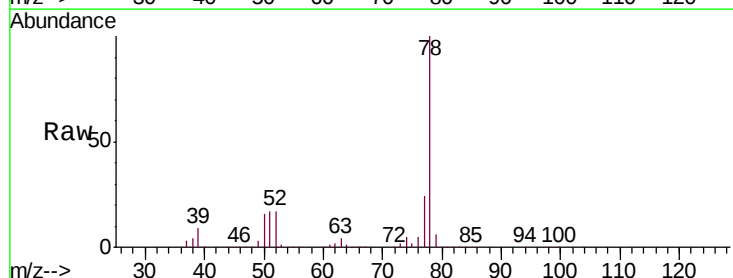
RT: 5.14 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VV012434.D

Acq: 28 Aug 2019 21:26

Tgt Ion: 78 Resp: 961436



Abundance Ion 78.10 (77.80 to 78.80): VV0

5.14

500000

400000

300000

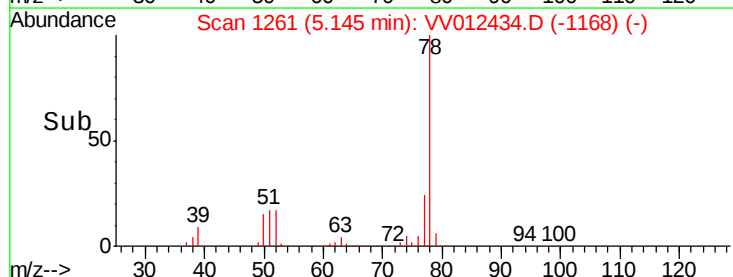
200000

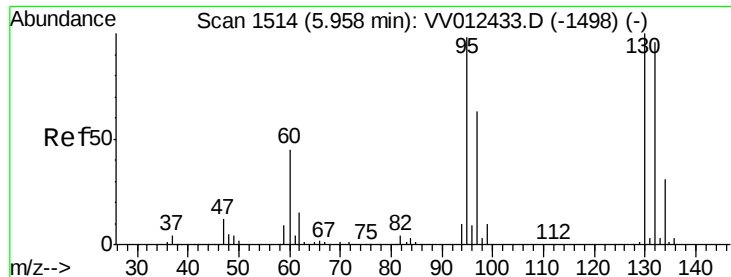
100000

0

Time-->

5.00 5.10 5.20 5.30

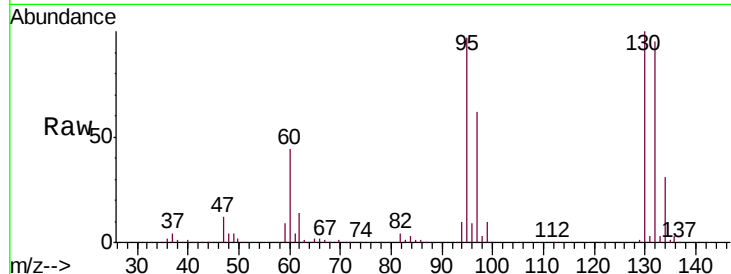




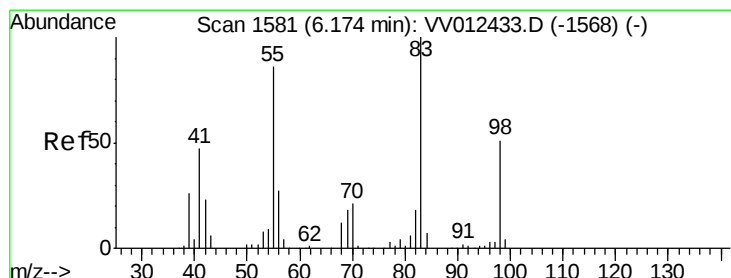
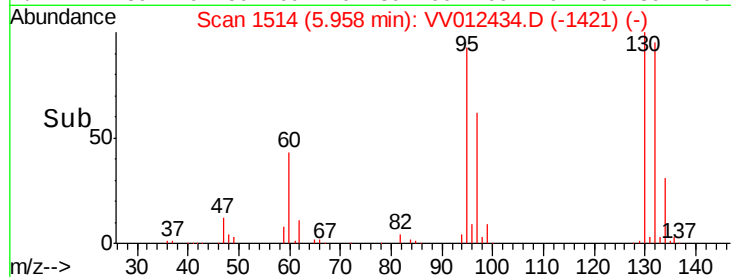
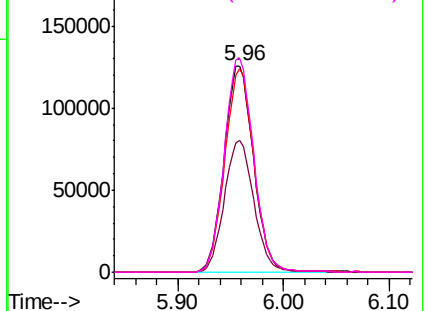
#34
 Trichloroethene
 Concen: 13.738 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. -0.00 min
 Lab File: VV012434.D
 Acq: 28 Aug 2019 21:26

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01031

Tgt Ion:	95	Resp:	243985
Ion	Ratio	Lower	Upper
95	100		
97	63.9	45.1	83.9
132	98.5	68.4	127.0
130	103.6	71.5	132.9

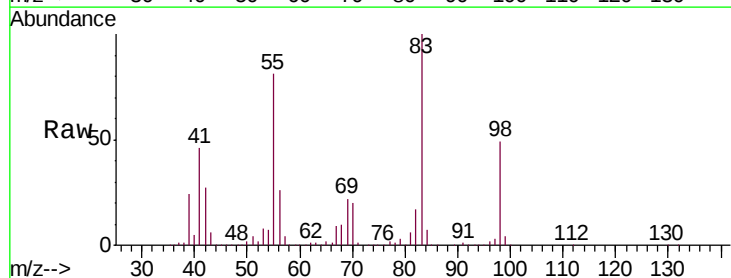


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

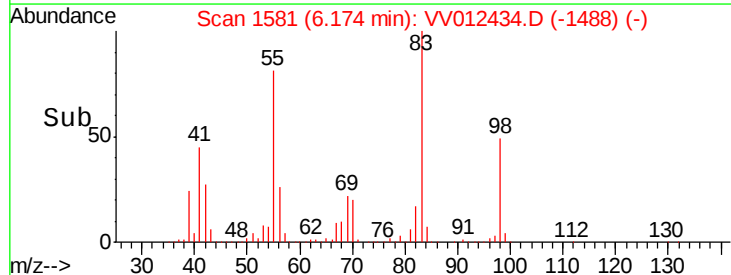
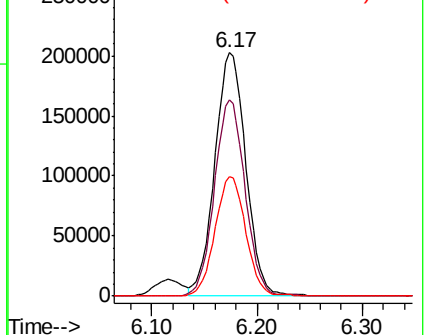


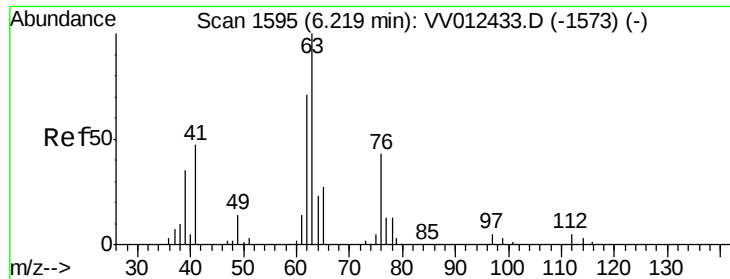
#35
 Methylcyclohexane
 Concen: 14.639 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: VV012434.D
 Acq: 28 Aug 2019 21:26

Tgt Ion:	83	Resp:	412673
Ion	Ratio	Lower	Upper
83	100		
55	79.8	66.0	99.0
98	48.1	39.0	58.4



Abundance Ion 83.15 (82.85 to 83.85): VV0
 Ion 55.10 (54.80 to 55.80): VV0
 Ion 98.15 (97.85 to 98.85): VV0

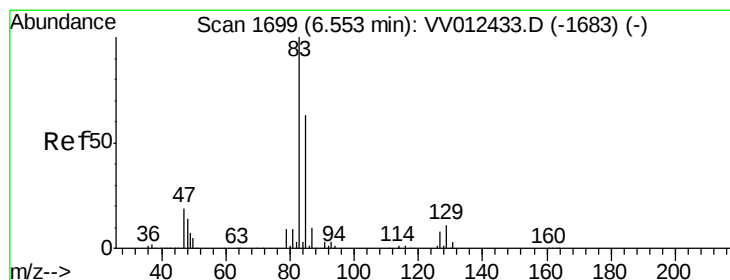
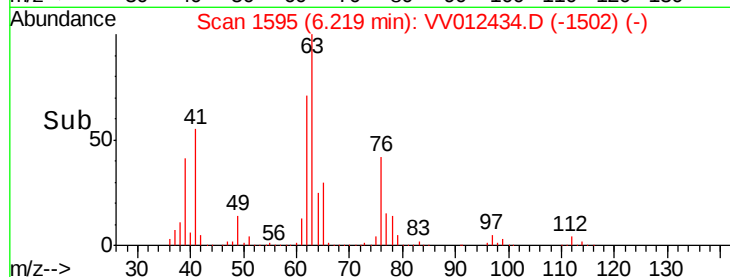
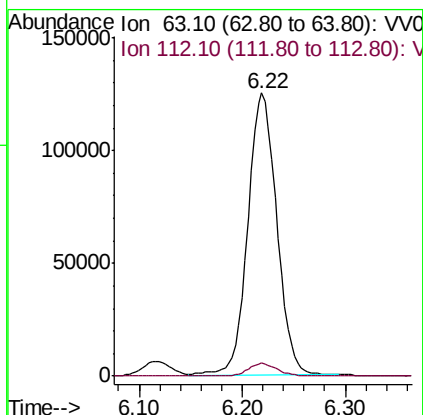
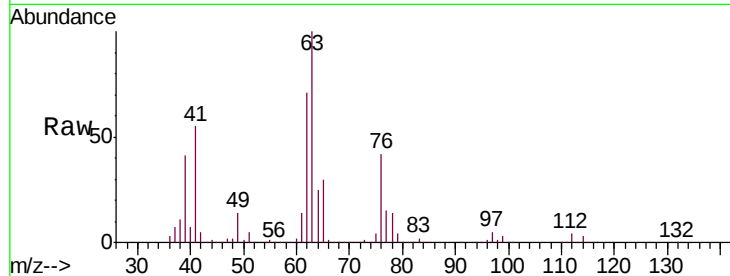




#37
 1,2-Dichloropropane
 Concen: 14.370 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VV012434.D
 Acq: 28 Aug 2019 21:26

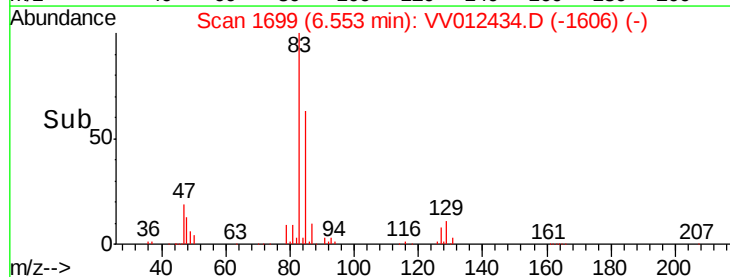
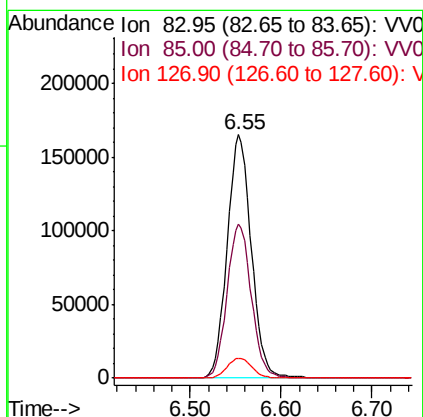
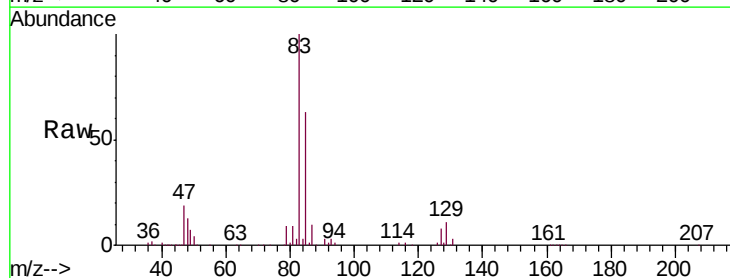
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01031

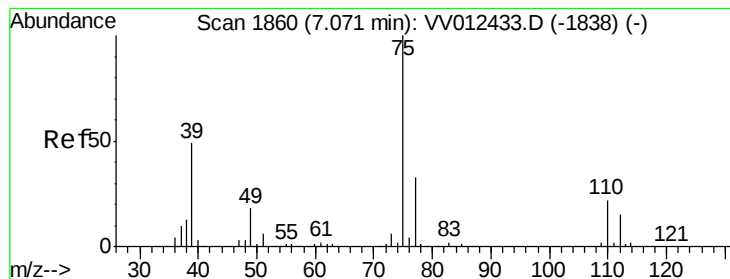
Tgt Ion: 63 Resp: 244135
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.8 5.6



#38
 Bromodichloromethane
 Concen: 14.445 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VV012434.D
 Acq: 28 Aug 2019 21:26

Tgt Ion: 83 Resp: 303611
 Ion Ratio Lower Upper
 83 100
 85 63.0 44.1 81.9
 127 8.2 6.7 10.1



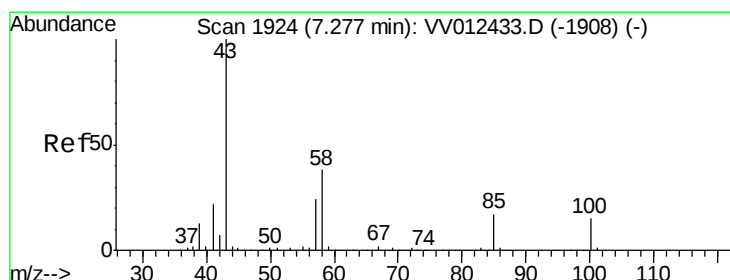
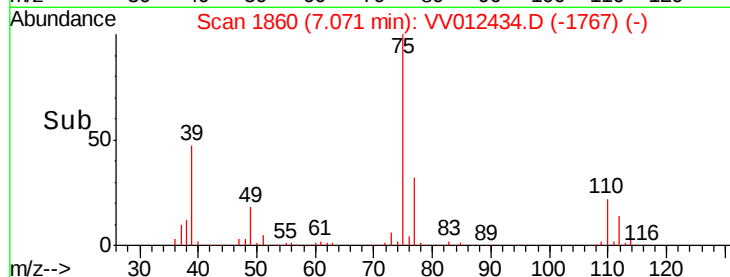
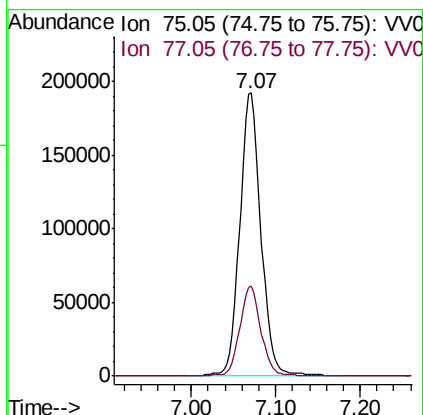
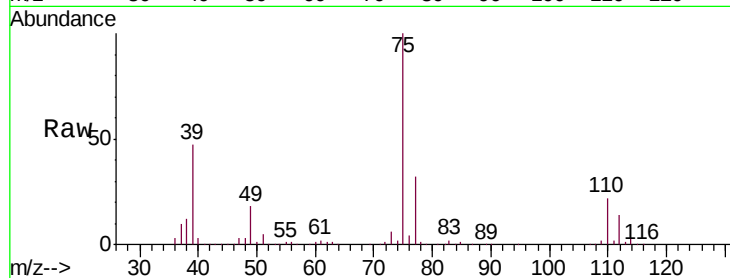


#39

cis-1,3-Dichloropropene
 Concen: 14.767 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VV012434.D
 Acq: 28 Aug 2019 21:26

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01031

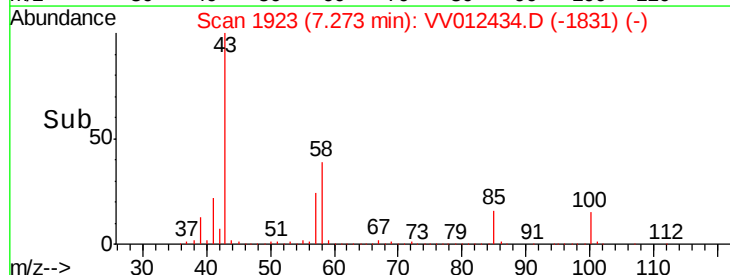
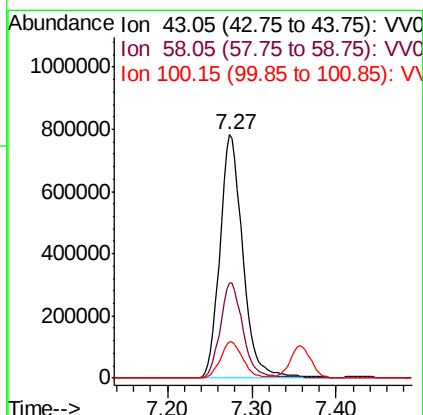
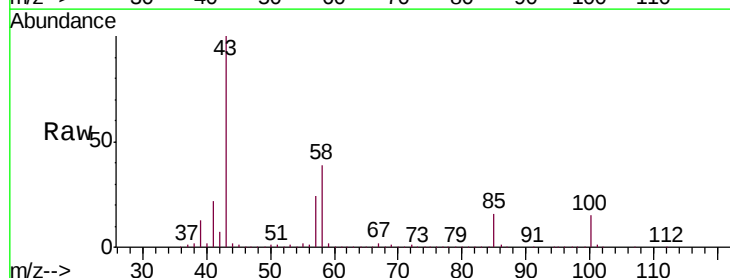
Tgt Ion: 75 Resp: 338328
 Ion Ratio Lower Upper
 75 100
 77 31.8 23.0 42.8

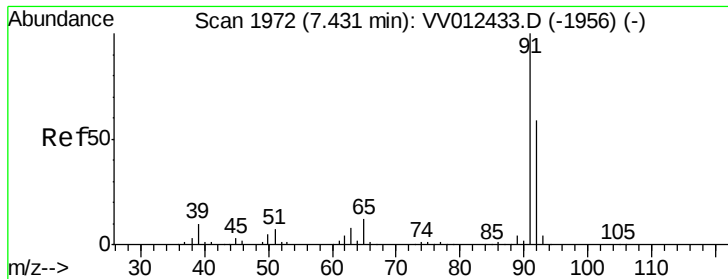


#40

4-Methyl-2-pentanone
 Concen: 158.881 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VV012434.D
 Acq: 28 Aug 2019 21:26

Tgt Ion: 43 Resp: 1483329
 Ion Ratio Lower Upper
 43 100
 58 38.6 30.8 46.2
 100 14.6 11.4 17.0





#42

Toluene

Concen: 15.065 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV012434.D

Acq: 28 Aug 2019 21:26

Instrument :

MSVOA_V

ClientSampleId :

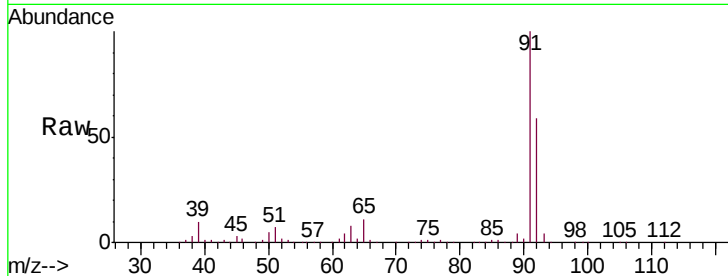
VSTD01031

Tgt Ion: 91 Resp: 1032423

Ion Ratio Lower Upper

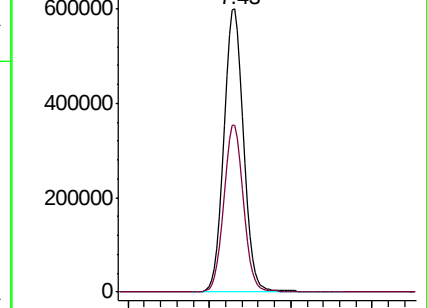
91 100

92 59.0 41.5 77.1

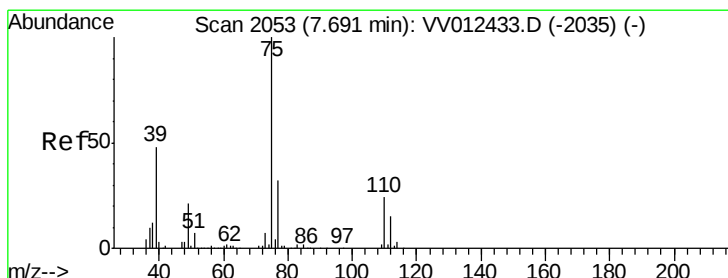
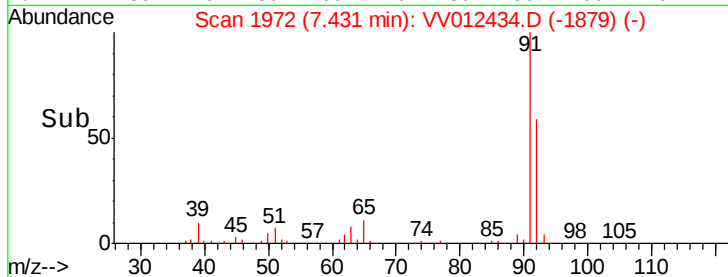


Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



Time-->



#44

trans-1,3-Dichloropropene

Concen: 15.196 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV012434.D

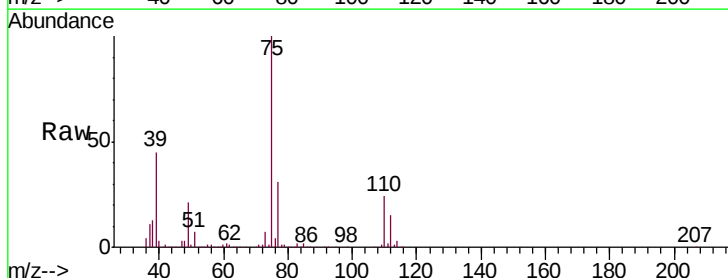
Acq: 28 Aug 2019 21:26

Tgt Ion: 75 Resp: 260518

Ion Ratio Lower Upper

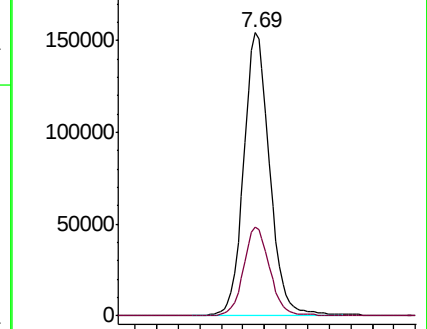
75 100

77 31.4 22.2 41.2

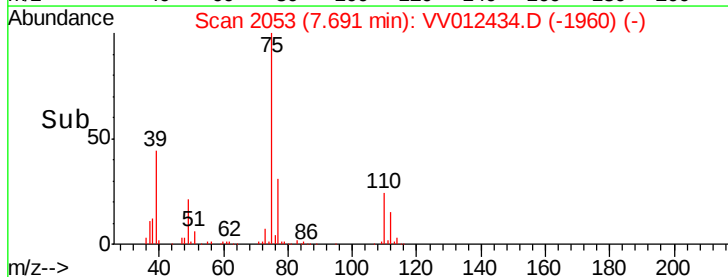


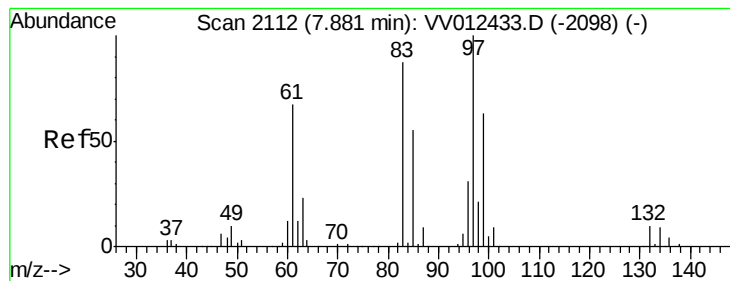
Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



Time-->





#45

1,1,2-Trichloroethane

Concen: 14.430 ug/L

RT: 7.88 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VV012434.D

Acq: 28 Aug 2019 21:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD01031

Tgt Ion: 97 Resp: 158890

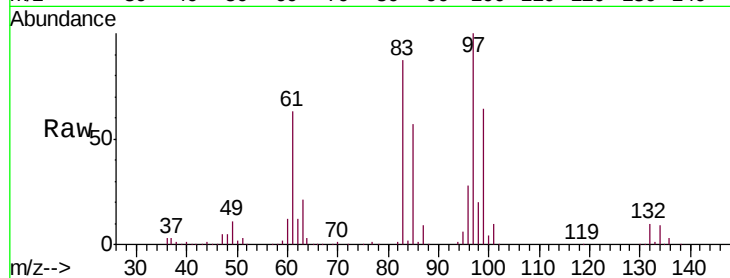
Ion Ratio Lower Upper

97 100

99 64.1 44.2 82.2

83 86.8 60.6 112.6

85 56.6 38.8 72.0

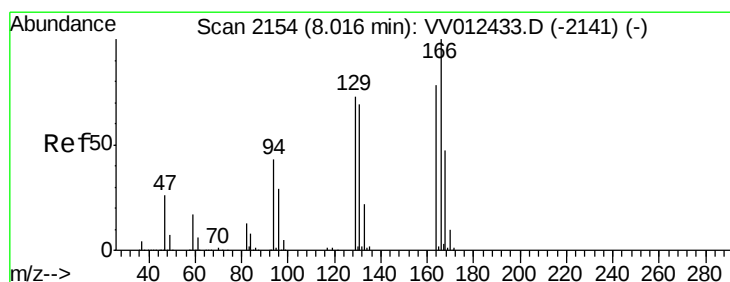
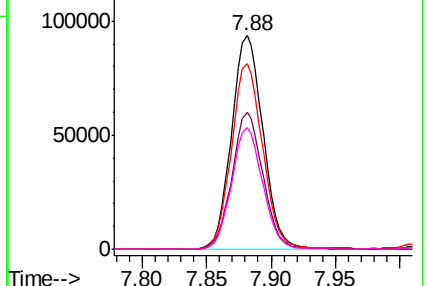
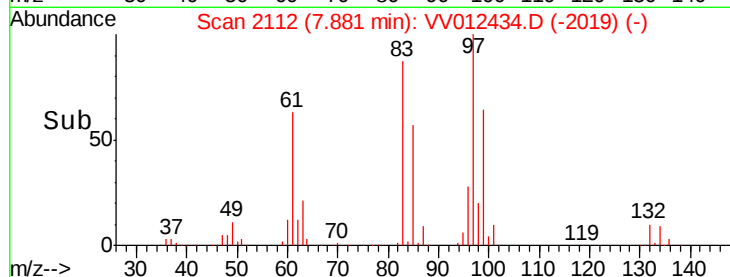


Abundance Ion 96.95 (96.65 to 97.65): VV012433.D (-2098) (-)

Ion 99.05 (98.75 to 99.75): VV012433.D (-2098) (-)

Ion 82.95 (82.65 to 83.65): VV012433.D (-2098) (-)

Ion 85.00 (84.70 to 85.70): VV012433.D (-2098) (-)



#47

Tetrachloroethene

Concen: 13.851 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV012434.D

Acq: 28 Aug 2019 21:26

Tgt Ion: 164 Resp: 199457

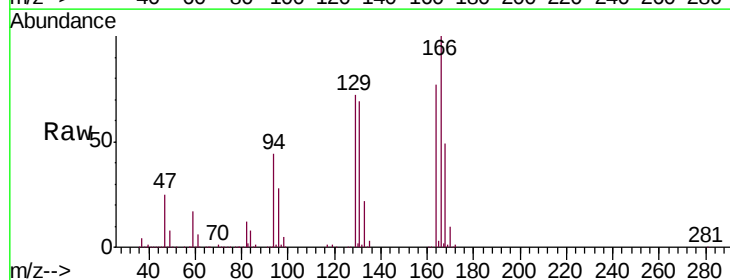
Ion Ratio Lower Upper

164 100

129 93.5 65.4 121.4

131 88.7 62.6 116.3

166 129.4 90.2 167.4

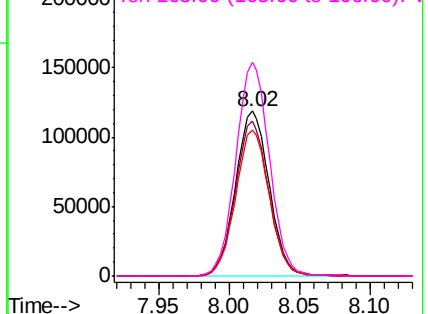
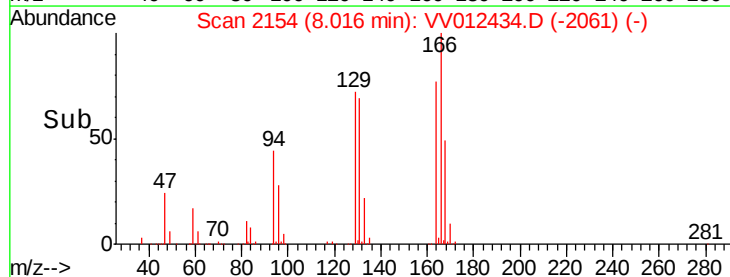


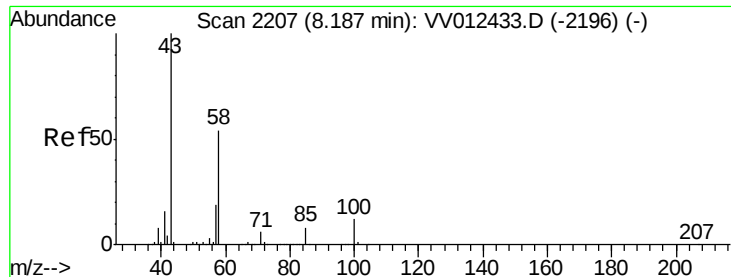
Abundance Ion 163.90 (163.60 to 164.60): VV012433.D (-2141) (-)

Ion 128.95 (128.65 to 129.65): VV012433.D (-2141) (-)

Ion 130.95 (130.65 to 131.65): VV012433.D (-2141) (-)

Ion 165.90 (165.60 to 166.60): VV012433.D (-2141) (-)

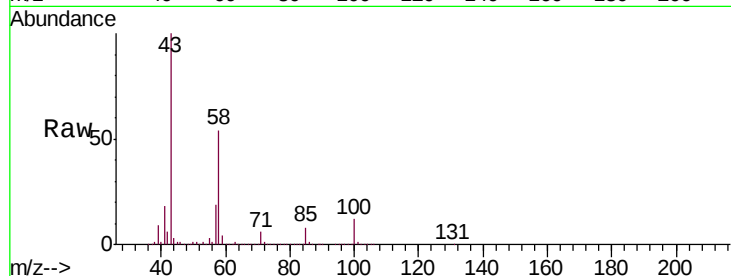




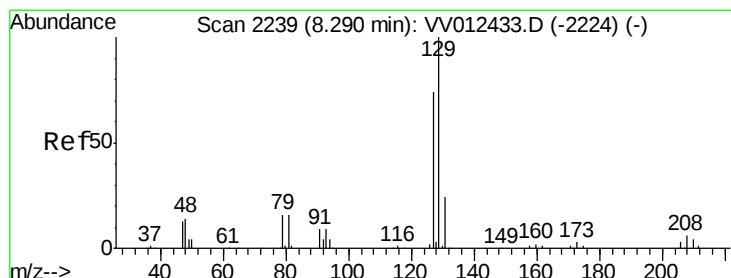
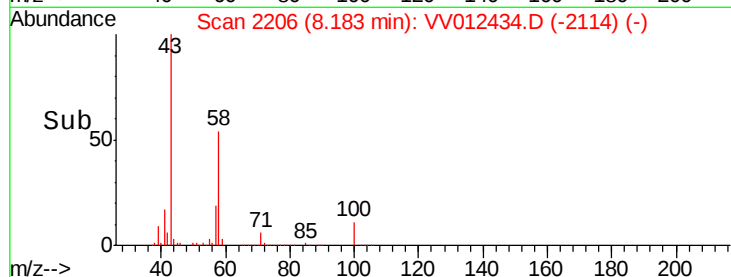
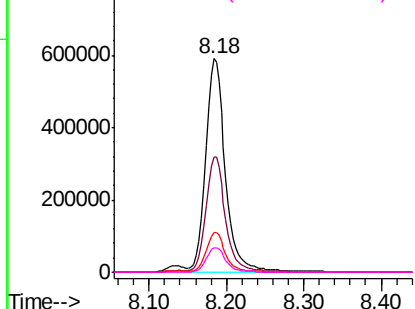
#48
2-Hexanone
Concen: 157.152 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. -0.00 min
Lab File: VV012434.D
Acq: 28 Aug 2019 21:26

Instrument :
MSVOA_V
ClientSampleId :
VSTD01031

Tgt Ion: 43 Resp: 1050043
Ion Ratio Lower Upper
43 100
58 53.5 42.7 64.1
57 18.1 14.7 22.1
100 11.6 9.2 13.8

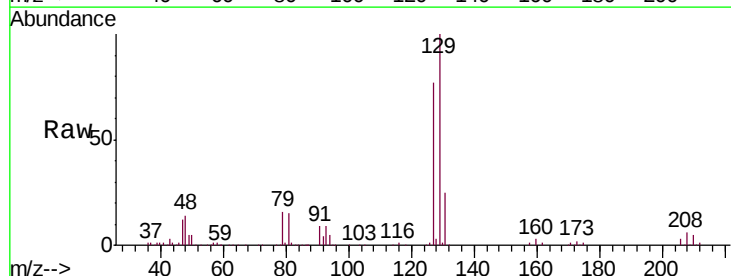


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

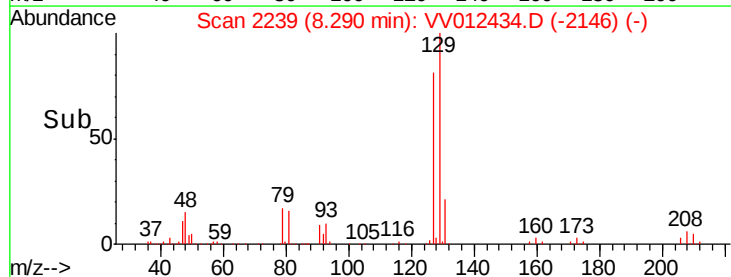
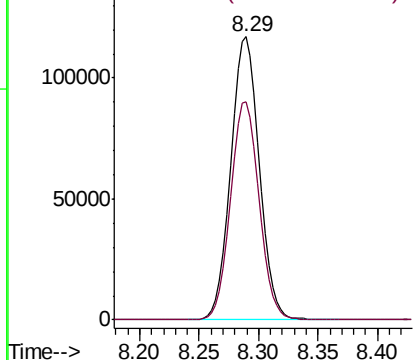


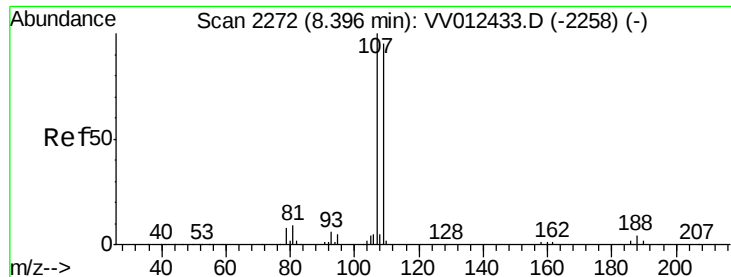
#49
Dibromochloromethane
Concen: 14.735 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV012434.D
Acq: 28 Aug 2019 21:26

Tgt Ion: 129 Resp: 195155
Ion Ratio Lower Upper
129 100
127 77.0 52.1 96.9



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

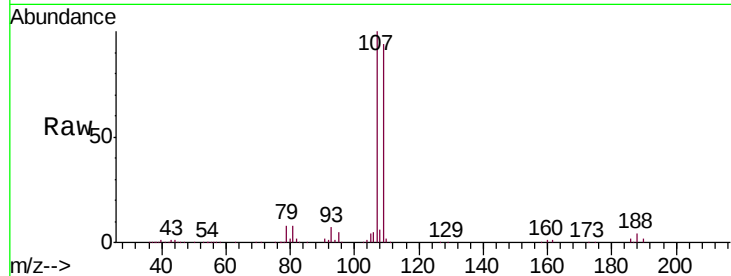




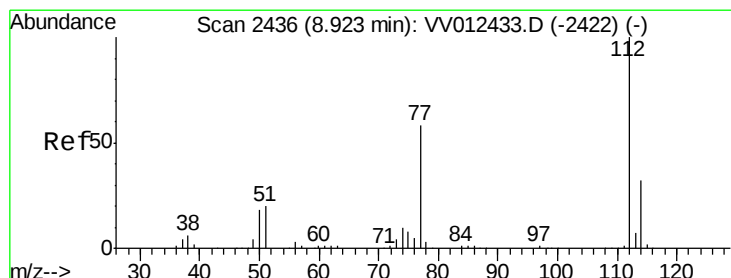
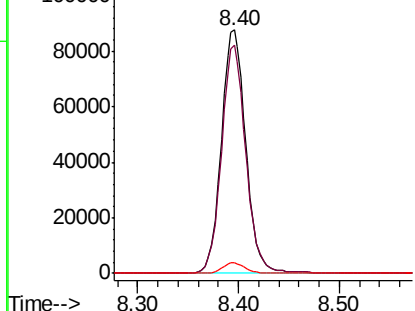
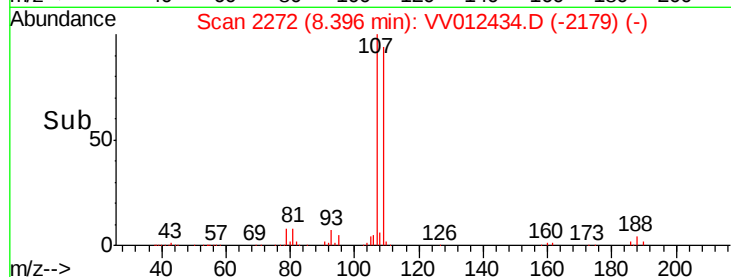
#50
 1,2-Dibromoethane
 Concen: 14.430 ug/L
 RT: 8.40 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VV012434.D
 Acq: 28 Aug 2019 21:26

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01031

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.0	66.6	123.6
188	4.2	3.1	4.7

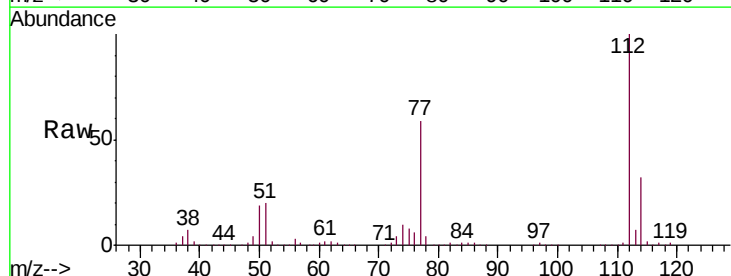


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

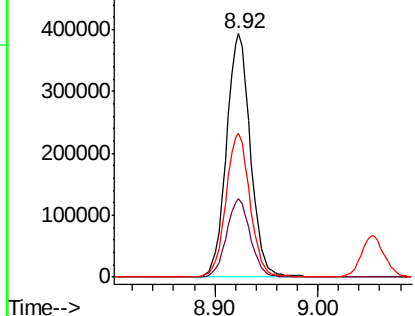
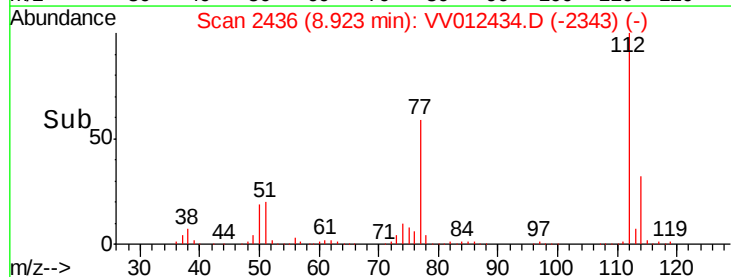


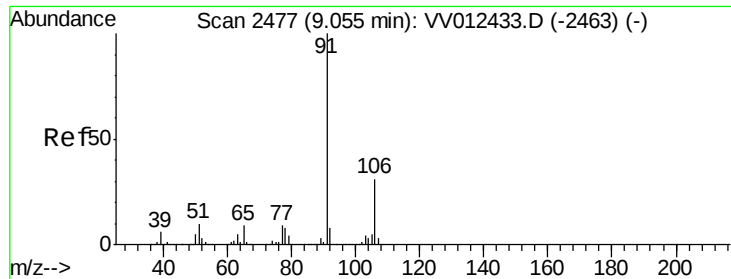
#51
 Chlorobenzene
 Concen: 14.300 ug/L
 RT: 8.92 min Scan# 2436
 Delta R.T. -0.00 min
 Lab File: VV012434.D
 Acq: 28 Aug 2019 21:26

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.1	22.2	41.2
77	58.9	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: 15.378 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. -0.00 min

Lab File: VV012434.D

Acq: 28 Aug 2019 21:26

Instrument :

MSVOA_V

ClientSampleId :

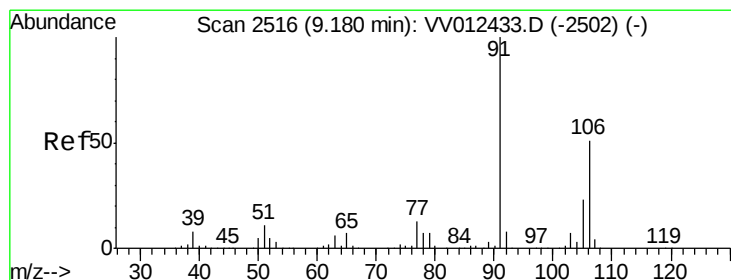
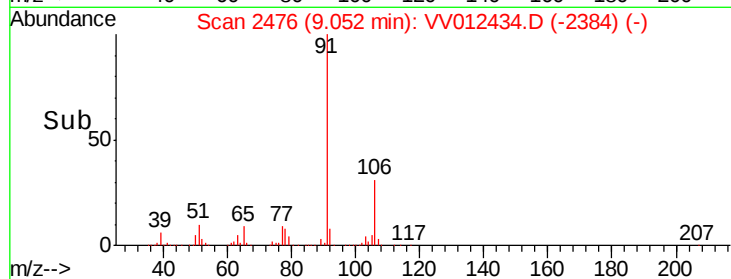
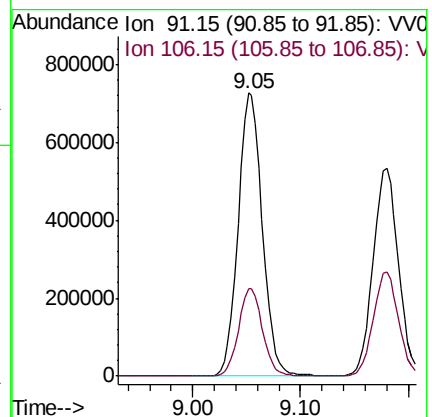
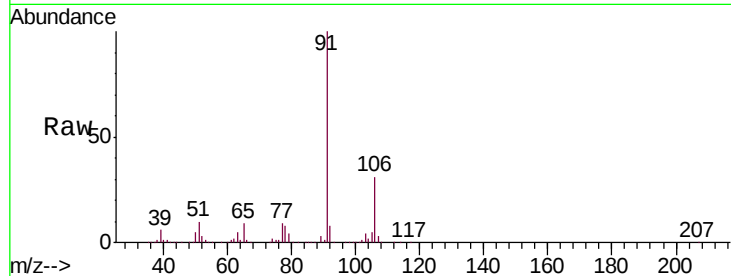
VSTD01031

Tgt Ion: 91 Resp: 1138546

Ion Ratio Lower Upper

91 100

106 30.8 21.6 40.0



#53

m,p-xylene

Concen: 15.497 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV012434.D

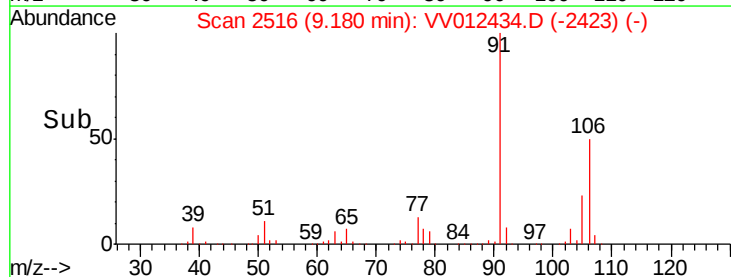
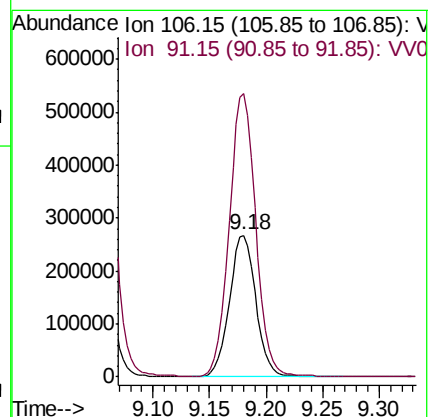
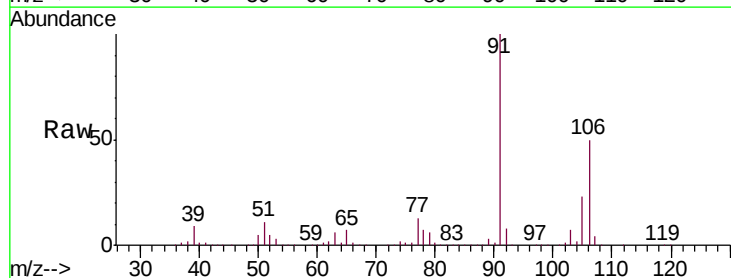
Acq: 28 Aug 2019 21:26

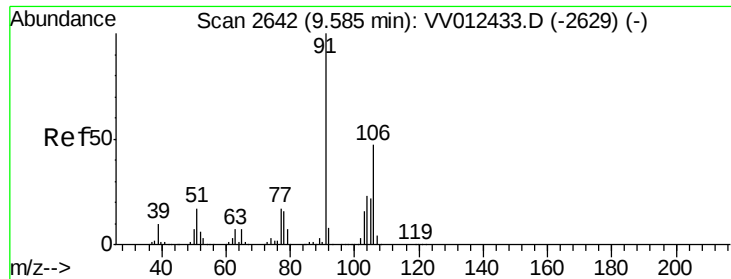
Tgt Ion: 106 Resp: 432892

Ion Ratio Lower Upper

106 100

91 200.3 138.7 257.7





#54

o-xylene

Concen: 15.673 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. -0.00 min

Lab File: VV012434.D

Acq: 28 Aug 2019 21:26

Instrument :

MSVOA_V

ClientSampleId :

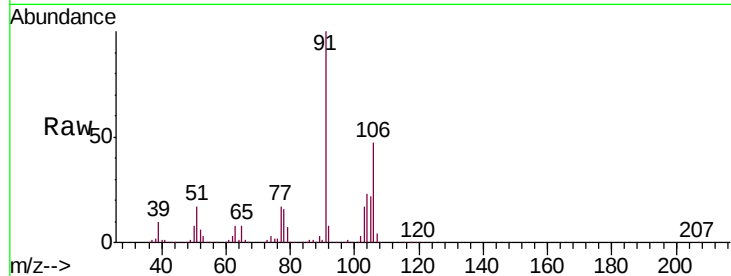
VSTD01031

Tgt Ion:106 Resp: 416626

Ion Ratio Lower Upper

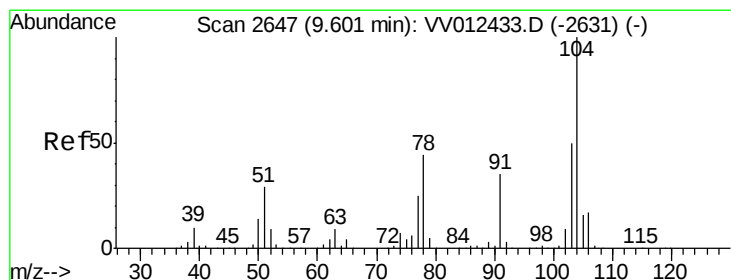
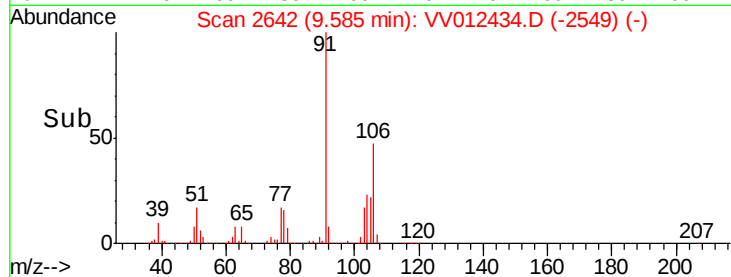
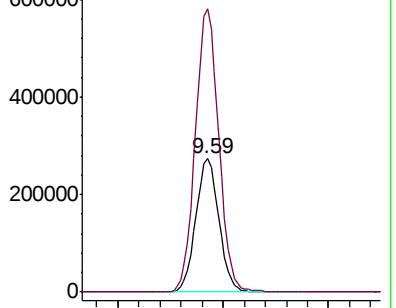
106 100

91 212.2 148.3 275.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 15.942 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. -0.00 min

Lab File: VV012434.D

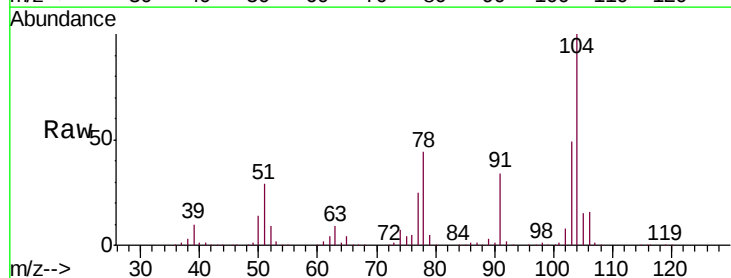
Acq: 28 Aug 2019 21:26

Tgt Ion:104 Resp: 711390

Ion Ratio Lower Upper

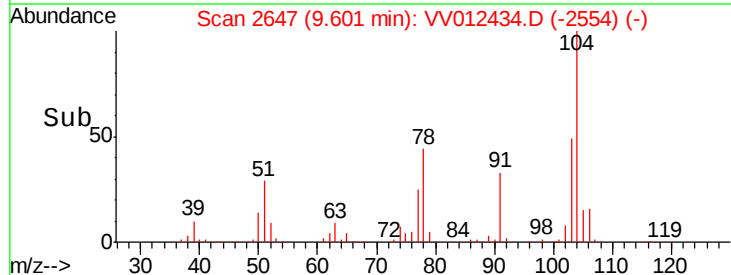
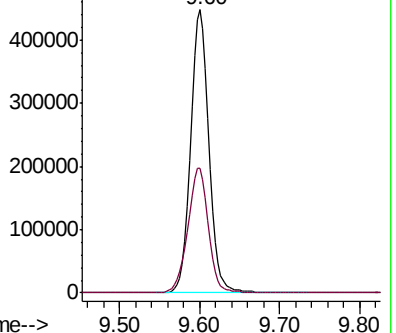
104 100

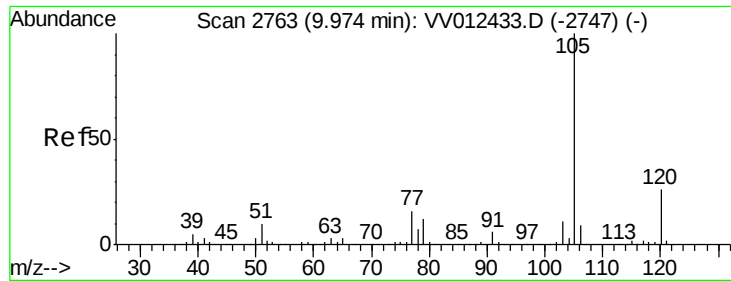
78 43.9 30.8 57.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 15.766 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. -0.00 min

Lab File: VV012434.D

Acq: 28 Aug 2019 21:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD01031

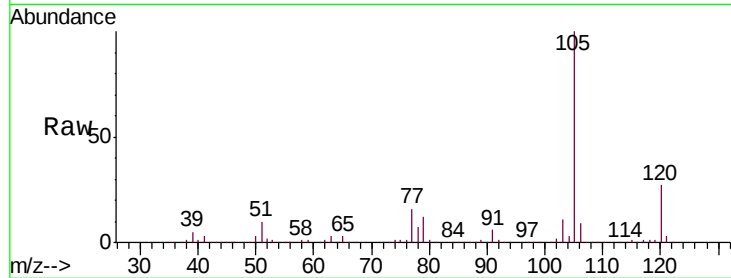
Tgt Ion:105 Resp: 1114686

Ion Ratio Lower Upper

105 100

120 26.3 21.0 31.6

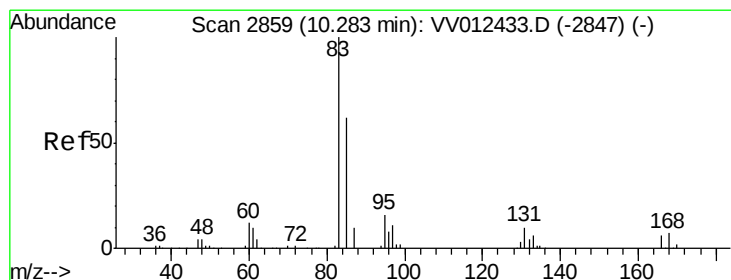
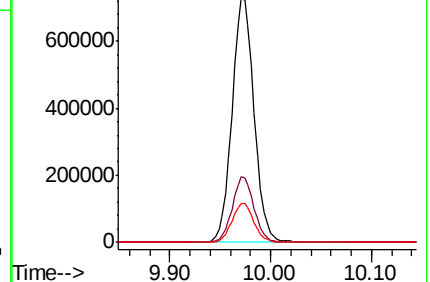
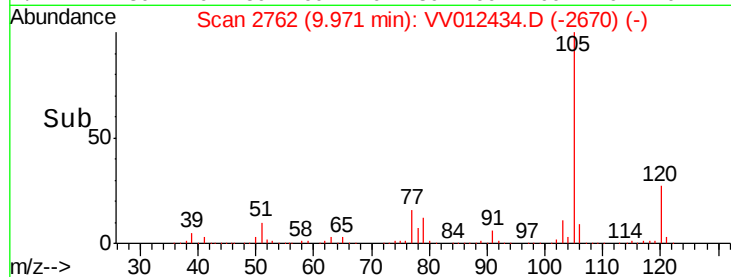
77 15.9 12.7 19.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 15.574 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VV012434.D

Acq: 28 Aug 2019 21:26

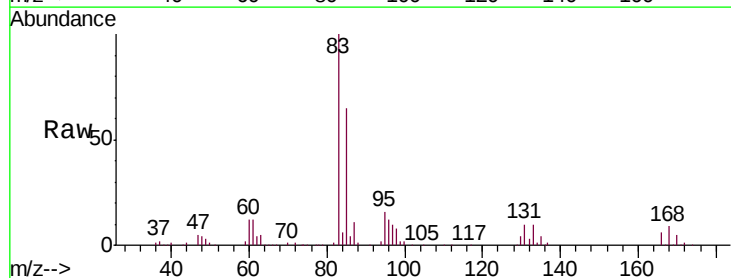
Tgt Ion: 83 Resp: 191143

Ion Ratio Lower Upper

83 100

85 65.1 44.0 81.6

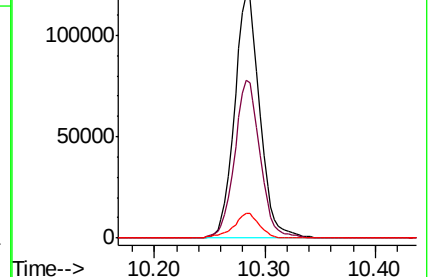
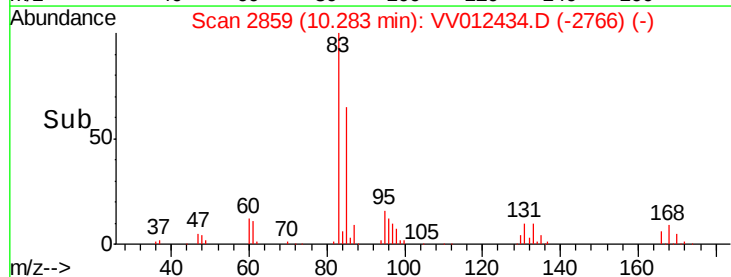
131 10.2 8.1 12.1

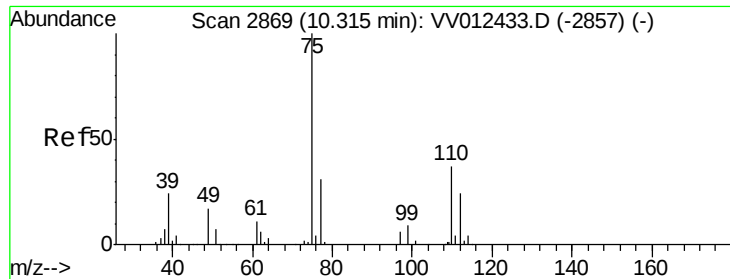


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 14.172 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. -0.00 min

Lab File: VV012434.D

Acq: 28 Aug 2019 21:26

Instrument :

MSVOA_V

ClientSampleId :

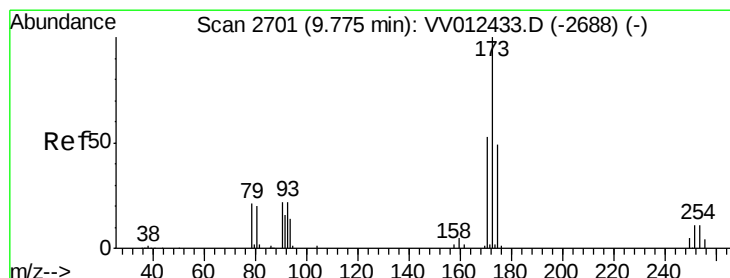
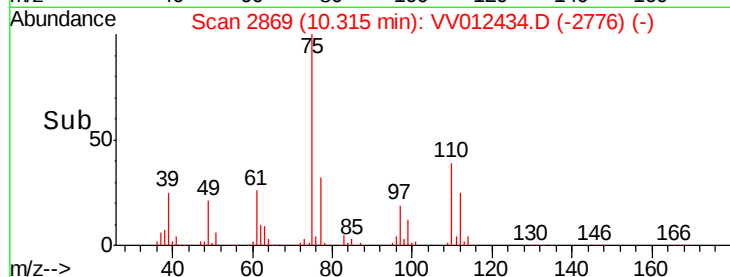
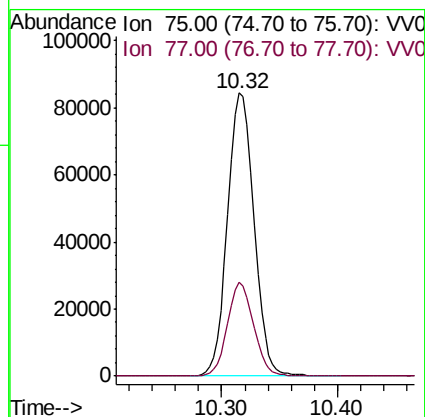
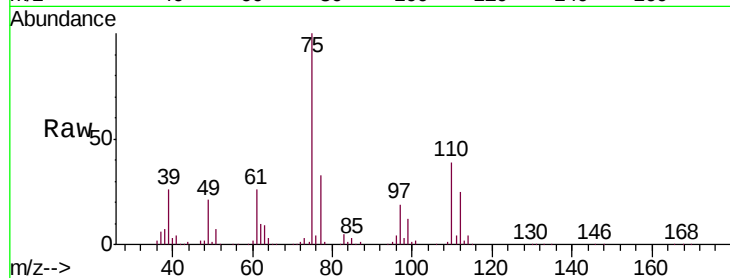
VSTD01031

Tgt Ion: 75 Resp: 133610

Ion Ratio Lower Upper

75 100

77 32.6 24.8 37.2



#61

Bromoform

Concen: 13.661 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VV012434.D

Acq: 28 Aug 2019 21:26

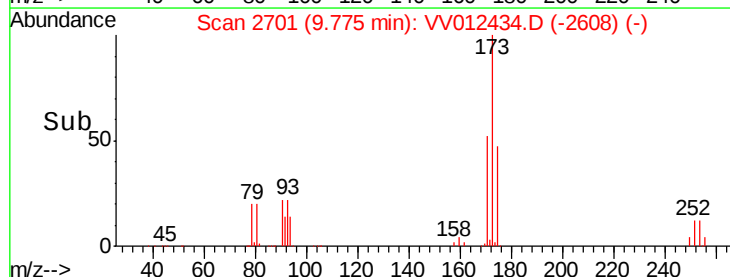
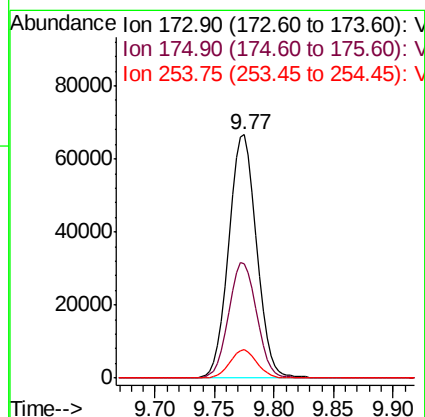
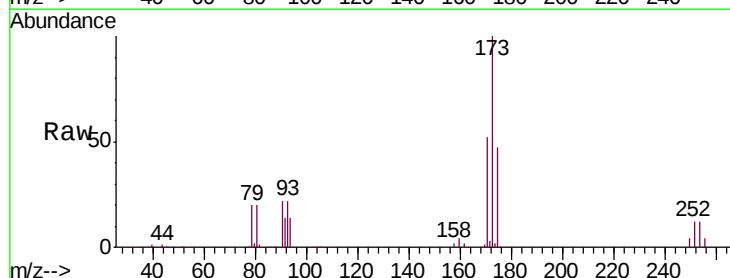
Tgt Ion: 173 Resp: 108497

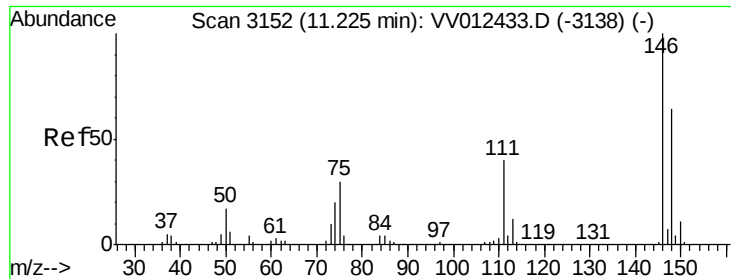
Ion Ratio Lower Upper

173 100

175 48.0 38.7 58.1

254 11.3 9.1 13.7





#62

1,3-Dichlorobenzene

Concen: 13.677 ug/L

RT: 11.23 min Scan# 3152

Delta R.T. -0.00 min

Lab File: VV012434.D

Acq: 28 Aug 2019 21:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD01031

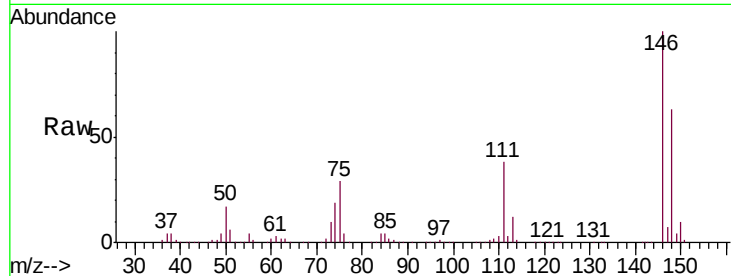
Tgt Ion:146 Resp: 508107

Ion Ratio Lower Upper

146 100

111 38.0 27.9 51.7

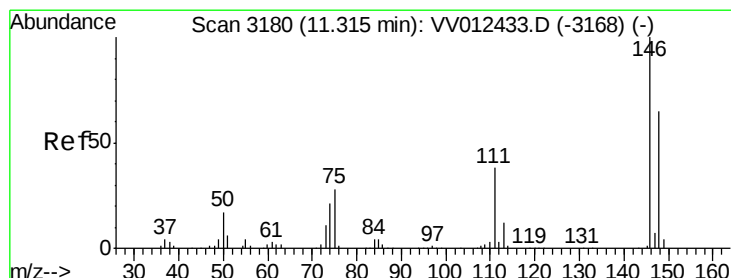
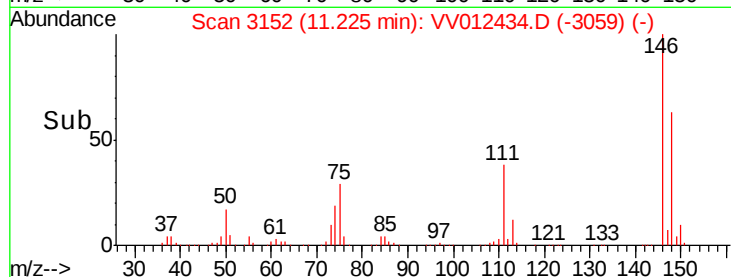
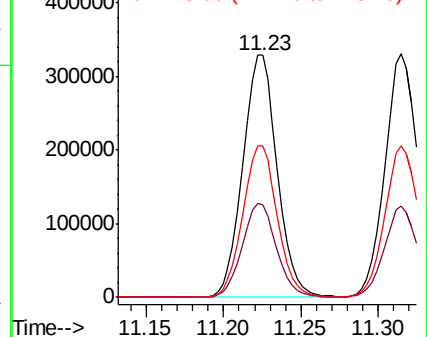
148 62.6 44.9 83.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 13.524 ug/L

RT: 11.32 min Scan# 3180

Delta R.T. -0.00 min

Lab File: VV012434.D

Acq: 28 Aug 2019 21:26

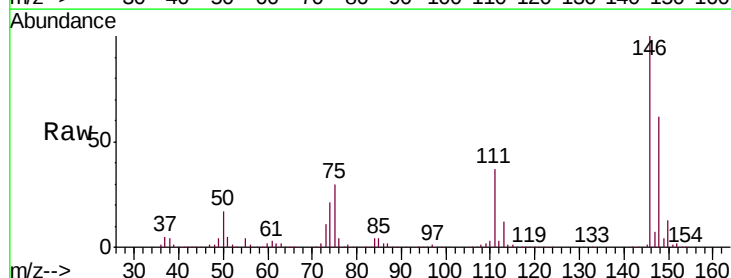
Tgt Ion:146 Resp: 502599

Ion Ratio Lower Upper

146 100

111 37.3 26.6 49.4

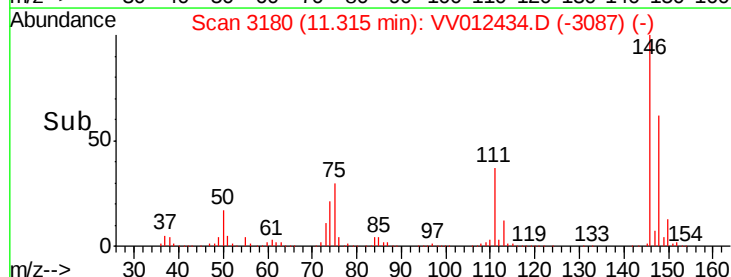
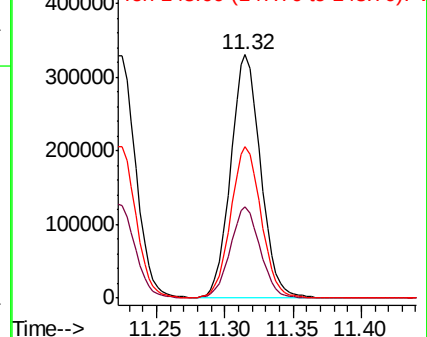
148 62.3 45.8 85.0

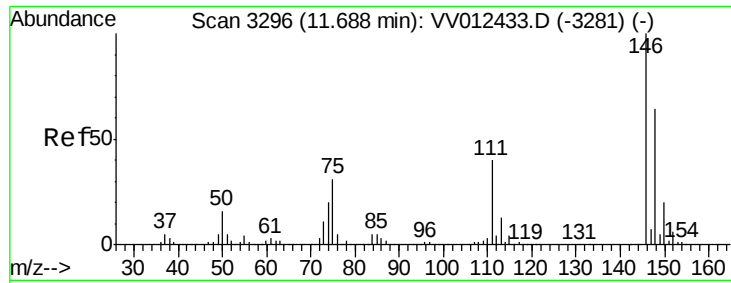


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 13.690 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. -0.00 min

Lab File: VV012434.D

Acq: 28 Aug 2019 21:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD01031

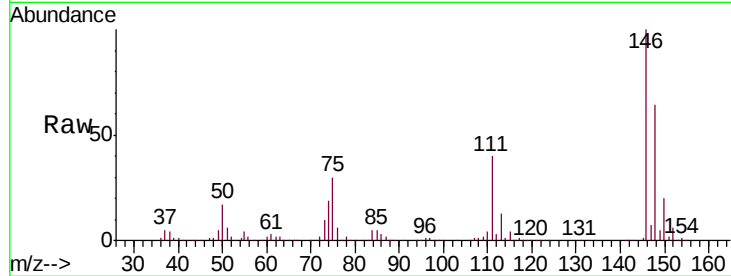
Tgt Ion:146 Resp: 468031

Ion Ratio Lower Upper

146 100

111 39.6 31.9 47.9

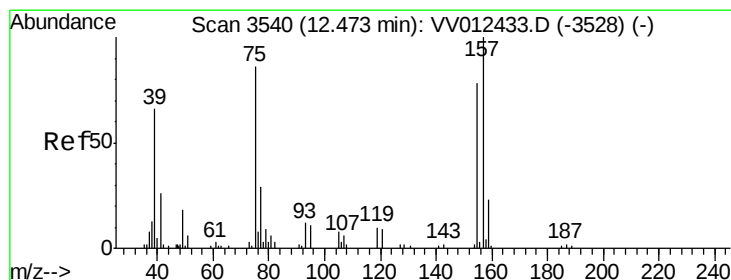
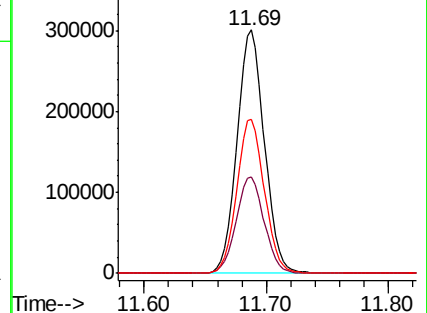
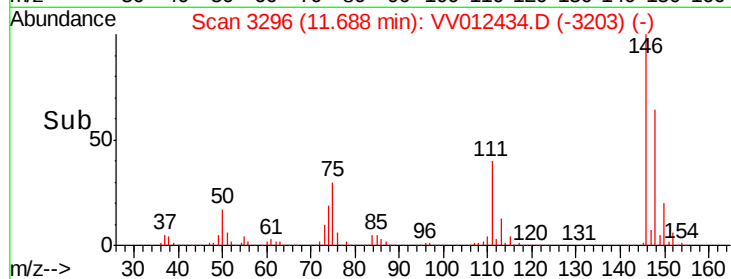
148 63.5 50.8 76.2



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: 14.499 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. 0.00 min

Lab File: VV012434.D

Acq: 28 Aug 2019 21:26

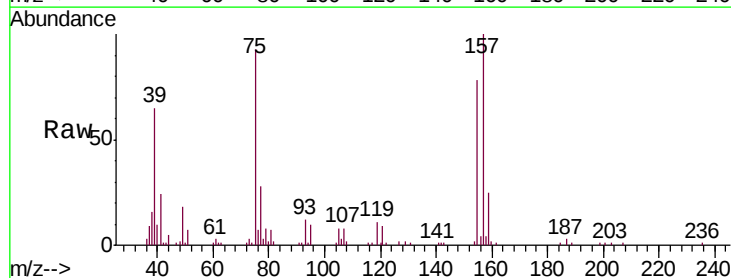
Tgt Ion: 75 Resp: 29604

Ion Ratio Lower Upper

75 100

155 84.5 72.4 108.6

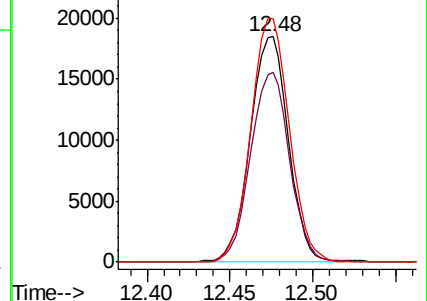
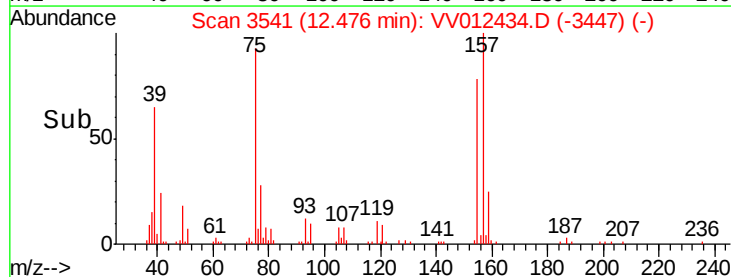
157 107.9 92.7 139.1

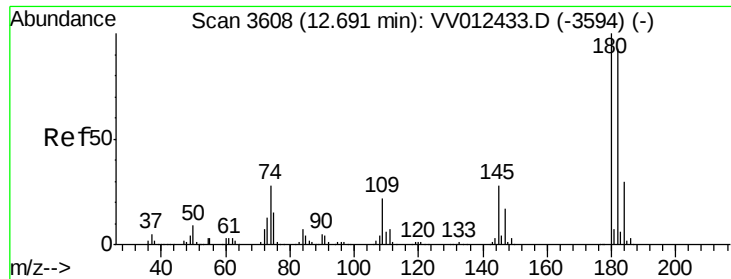


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

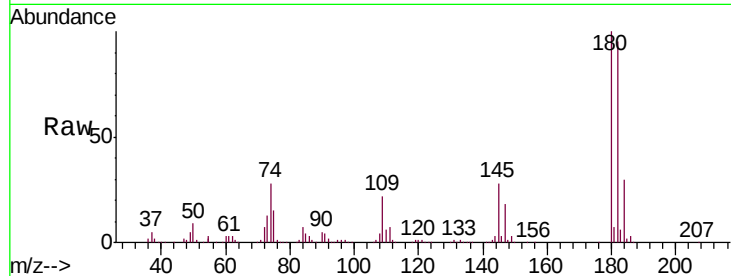




#67
 1,3,5-Trichlorobenzene
 Concen: 13.785 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. -0.00 min
 Lab File: VV012434.D
 Acq: 28 Aug 2019 21:26

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01031

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	74.8	112.2
184	30.4	24.1	36.1
145	28.1	22.2	33.4



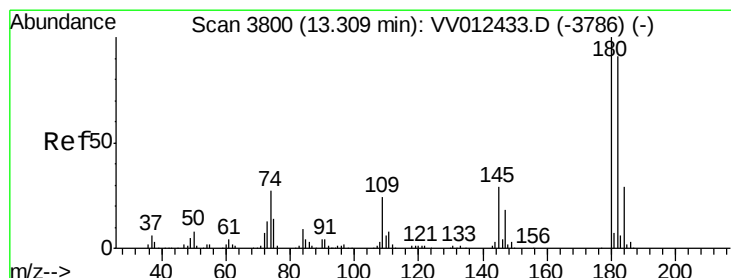
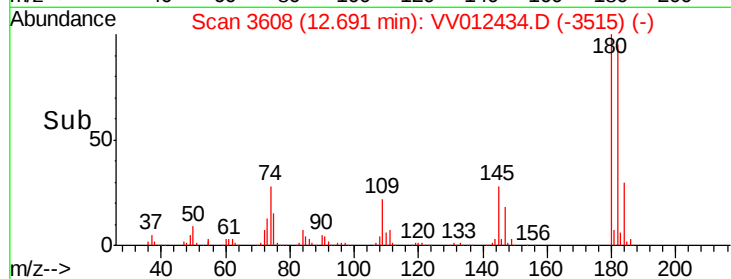
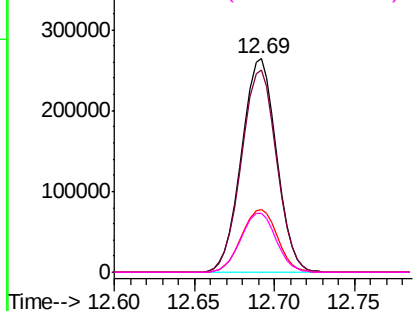
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

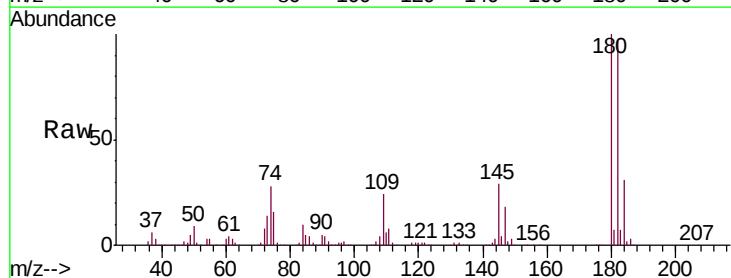
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 15.438 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. -0.00 min
 Lab File: VV012434.D
 Acq: 28 Aug 2019 21:26

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	75.4	113.2
145	29.0	22.9	34.3

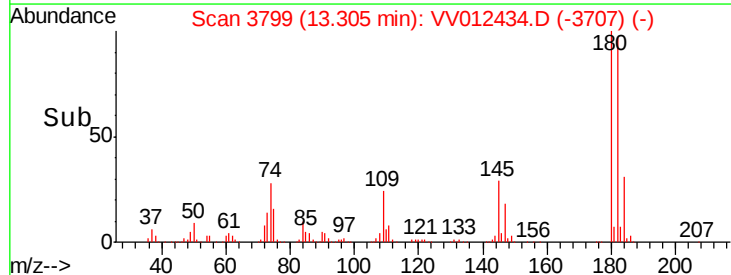
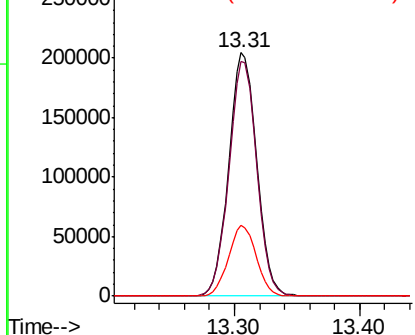


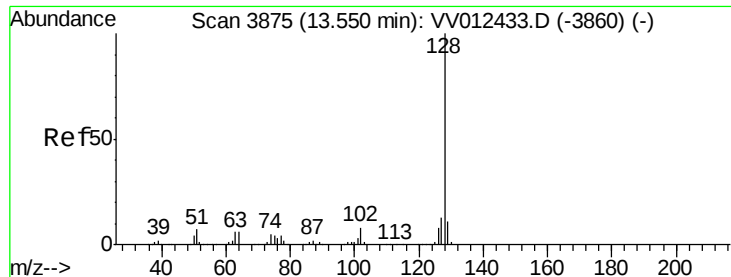
Abundance

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: 17.770 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. -0.00 min

Lab File: VV012434.D

Acq: 28 Aug 2019 21:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD01031

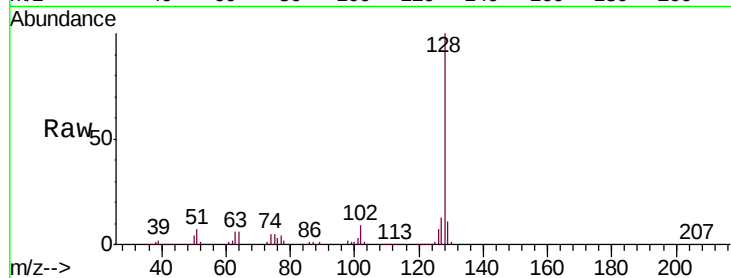
Tgt Ion:128 Resp: 522983

Ion Ratio Lower Upper

128 100

129 10.7 8.8 13.2

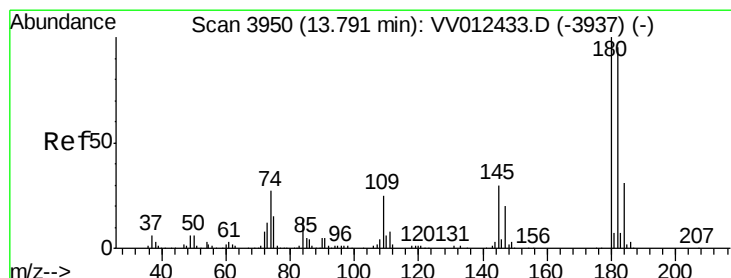
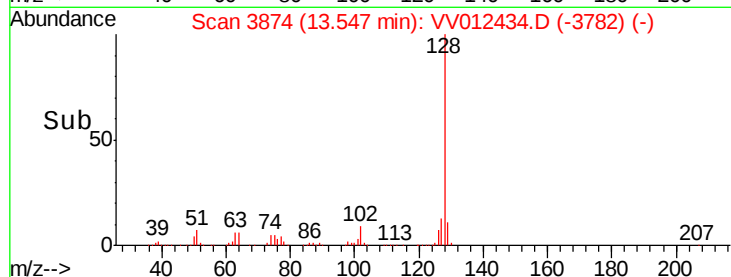
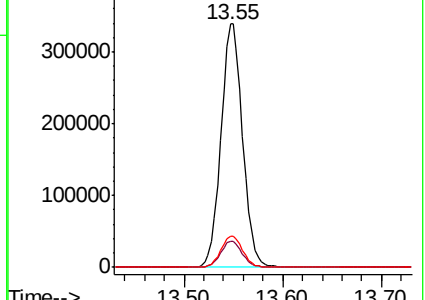
127 13.1 10.3 15.5



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: 15.914 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. -0.00 min

Lab File: VV012434.D

Acq: 28 Aug 2019 21:26

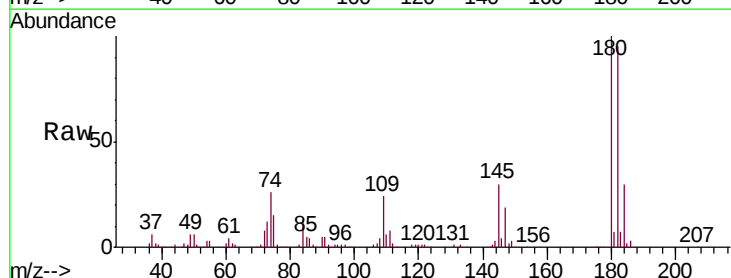
Tgt Ion:180 Resp: 306044

Ion Ratio Lower Upper

180 100

182 95.0 76.1 114.1

145 30.2 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

