

Data File : VV014443.D
Acq On : 30 Jan 2020 18:27
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00553

Quant Time: Jan 31 07:49:02 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR012920WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jan 31 07:45:41 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	212143	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	194875	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	93028	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	56434	4.60	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.00%
7) Chloroethane-d5	1.58	69	39410	4.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.00%
11) 1,1-Dichloroethene-d2	2.13	63	84106	4.70	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.00%
20) 2-Butanone-d5	3.95	46	112502	45.48	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.96%
24) Chloroform-d	4.40	84	121476	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.80%
26) 1,2-Dichloroethane-d4	5.08	65	58553	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.20%
32) Benzene-d6	5.10	84	274268	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.80%
36) 1,2-Dichloropropane-d6	6.11	67	81588	4.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.40%
41) Toluene-d8	7.36	98	251682	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.80%
43) trans-1,3-Dichloropropene-	7.66	79	34295	4.96	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.20%
46) 2-Hexanone-d5	8.13	63	131371	52.20	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.40%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	57724	5.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	82831	4.96	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	88255	5.152	ug/L 100
3) Chloromethane	1.25	50	68293	5.182	ug/L 100
5) Vinyl chloride	1.32	62	67546	5.109	ug/L 96
6) Bromomethane	1.54	94	25316	5.733	ug/L 98
8) Chloroethane	1.60	64	32008	4.852	ug/L 99
9) Trichlorofluoromethane	1.77	101	90176	5.228	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	44779	4.803	ug/L 97
12) 1,1-Dichloroethene	2.14	96	41929	4.919	ug/L 99
13) Acetone	2.20	43	60623	40.104	ug/L 83
14) Carbon disulfide	2.32	76	217456	4.996	ug/L 100
15) Methyl Acetate	2.47	43	26313	6.775	ug/L 91
16) Methylene chloride	2.54	84	81132	4.892	ug/L 98
17) Methyl tert-butyl Ether	2.80	73	160647	5.186	ug/L 100
18) trans-1,2-Dichloroethene	2.79	96	77713	5.240	ug/L 96
19) 1,1-Dichloroethane	3.23	63	139693	5.179	ug/L 99
21) 2-Butanone	4.03	43	122205	44.200	ug/L 84
22) cis-1,2-Dichloroethene	3.96	96	82631	5.154	ug/L 99

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Quant Title : TRACE VOA SOM01.0
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	31365	5.259	ug/L	99
25) Chloroform	4.42	83	147057	5.429	ug/L	99
27) 1,2-Dichloroethane	5.18	62	73369	5.037	ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	117942	5.107	ug/L	100
30) Cyclohexane	4.72	56	136704	5.131	ug/L	100
31) Carbon tetrachloride	4.87	117	100897	5.138	ug/L	98
33) Benzene	5.14	78	318744	5.226	ug/L	100
34) Trichloroethene	5.96	95	81152	5.066	ug/L	97
35) Methylcyclohexane	6.17	83	139359	5.057	ug/L	99
37) 1,2-Dichloropropane	6.22	63	75357	5.011	ug/L	100
38) Bromodichloromethane	6.55	83	95376	5.178	ug/L	95
39) cis-1,3-Dichloropropene	7.07	75	119595	5.250	ug/L	98
40) 4-Methyl-2-pentanone	7.27	43	432365	52.433	ug/L	100
42) Toluene	7.43	91	336424	5.187	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	89426	5.210	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	50692	5.172	ug/L	98
47) Tetrachloroethene	8.02	164	58600	5.091	ug/L	96
48) 2-Hexanone	8.18	43	297997	51.873	ug/L	97
49) Dibromochloromethane	8.29	129	60123	5.157	ug/L	99
50) 1,2-Dibromoethane	8.39	107	47316	5.225	ug/L	98
51) Chlorobenzene	8.92	112	207753	5.162	ug/L	98
52) Ethylbenzene	9.05	91	378190	5.192	ug/L	100
53) m,p-xylene	9.18	106	141504	5.215	ug/L	96
54) o-xylene	9.58	106	137161	5.177	ug/L	96
55) Styrene	9.60	104	229013	5.265	ug/L	100
56) Isopropylbenzene	9.97	105	365856	5.267	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	61193	5.372	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	43886	5.248	ug/L	99
61) Bromoform	9.77	173	28616	5.068	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	158923	5.257	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	158576	5.261	ug/L	98
65) 1,2-Dichlorobenzene	11.68	146	142100	5.208	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	9643	4.476	ug/L	94
67) 1,3,5-Trichlorobenzene	12.68	180	115678	5.184	ug/L	98
68) 1,2,4-trichlorobenzene	13.30	180	98794	5.266	ug/L	99
69) Naphthalene	13.54	128	174751	5.292	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	87417	5.389	ug/L	97

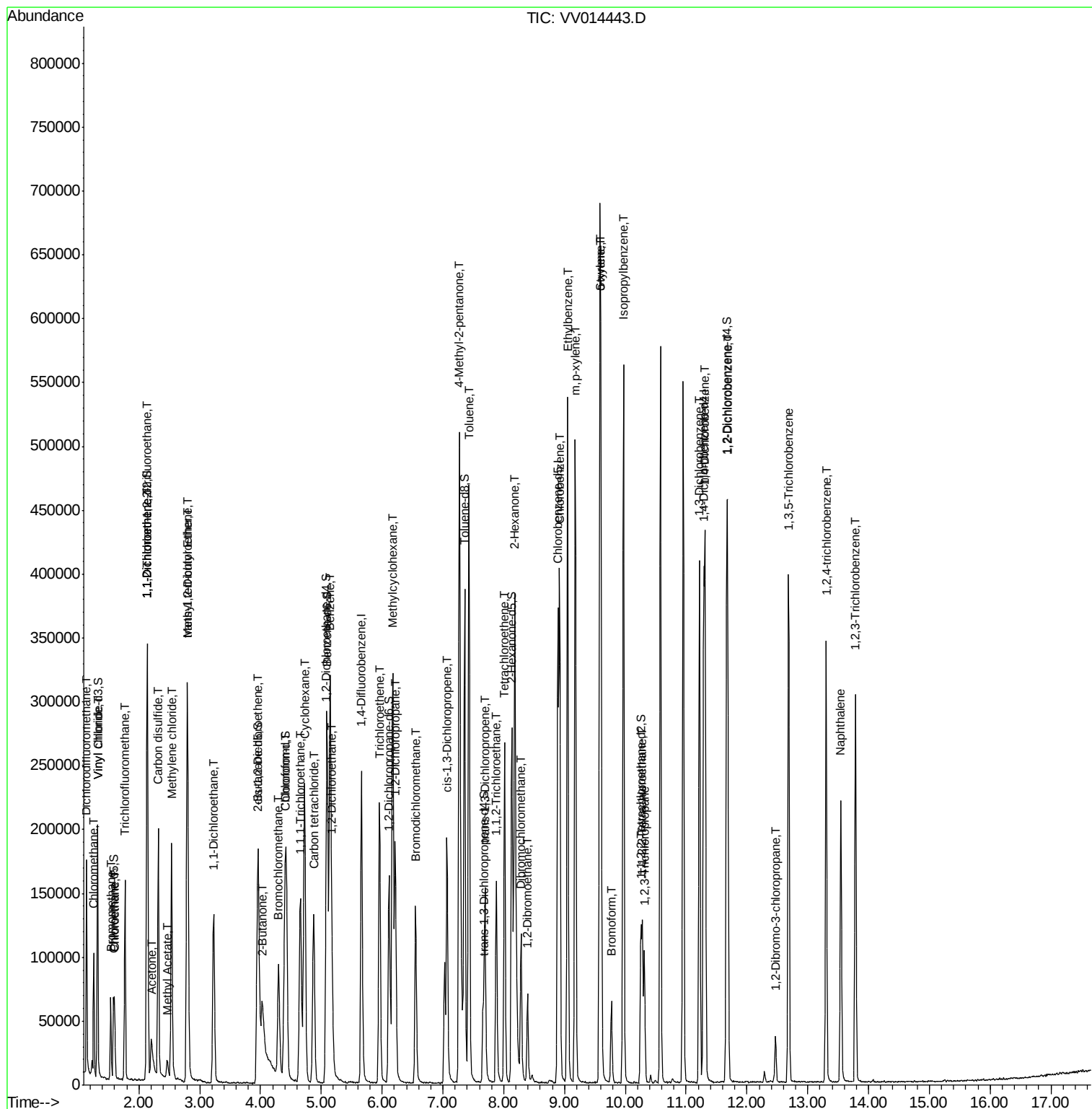
(#) = qualifier out of range (m) = manual integration (+) = signals summed

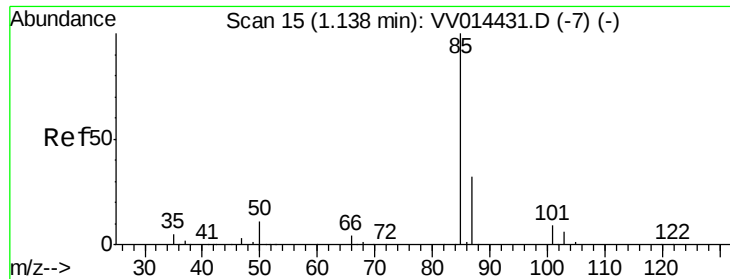
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#2

Dichlorodifluoromethane

Concen: 5.152 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV014443.D

Acq: 30 Jan 2020 18:27

Instrument :

MSVOA_V

ClientSampleId :

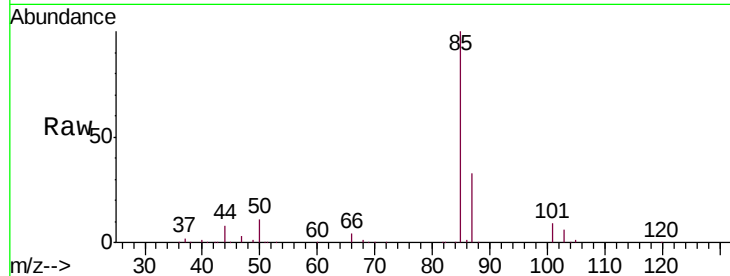
VSTD00553

Tgt Ion: 85 Resp: 88255

Ion Ratio Lower Upper

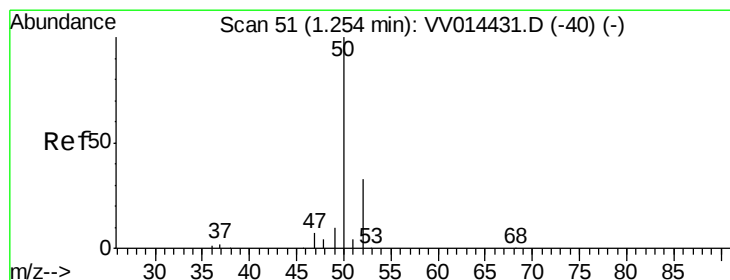
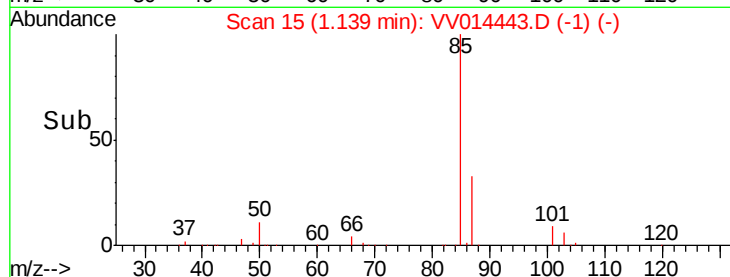
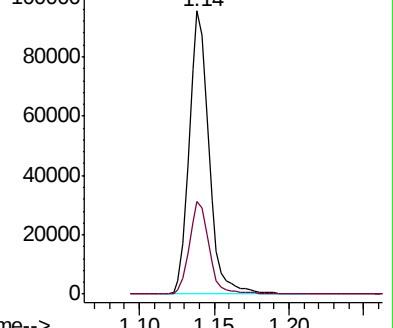
85 100

87 32.6 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VV014443.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV014443.D (-7) (-)



#3

Chloromethane

Concen: 5.182 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV014443.D

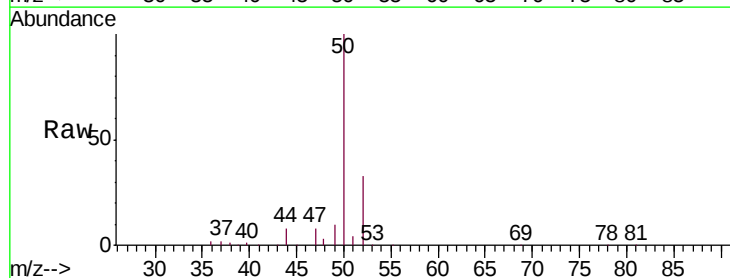
Acq: 30 Jan 2020 18:27

Tgt Ion: 50 Resp: 68293

Ion Ratio Lower Upper

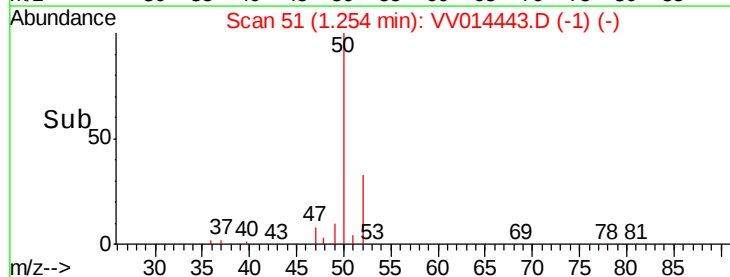
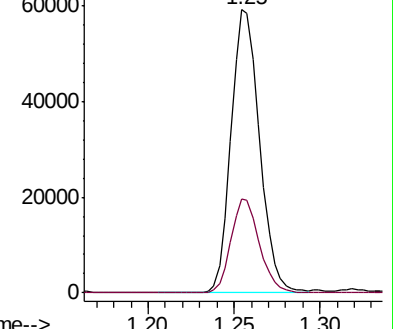
50 100

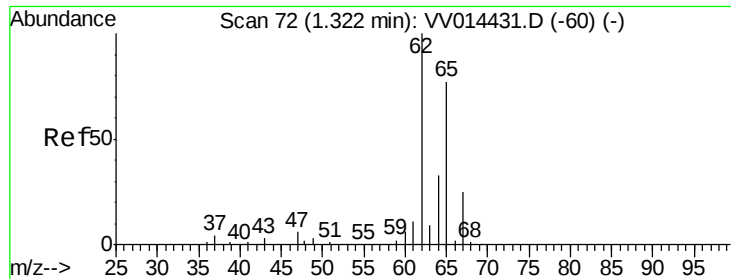
52 33.4 23.4 43.6



Abundance Ion 50.05 (49.75 to 50.75): VV014443.D (-40) (-)

Ion 52.05 (51.75 to 52.75): VV014443.D (-40) (-)





#5

Vinyl chloride

Concen: 5.109 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV014443.D

Acq: 30 Jan 2020 18:27

Instrument :

MSVOA_V

ClientSampleId :

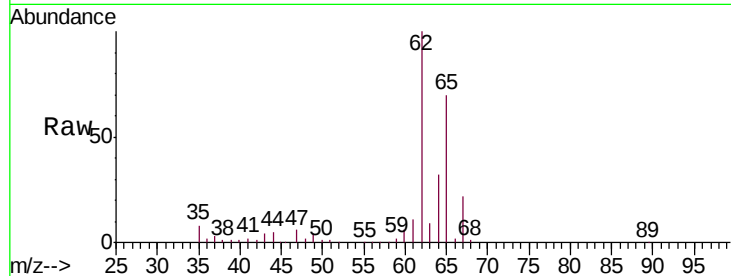
VSTD00553

Tgt Ion: 62 Resp: 67546

Ion Ratio Lower Upper

62 100

64 32.3 24.0 44.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

60000

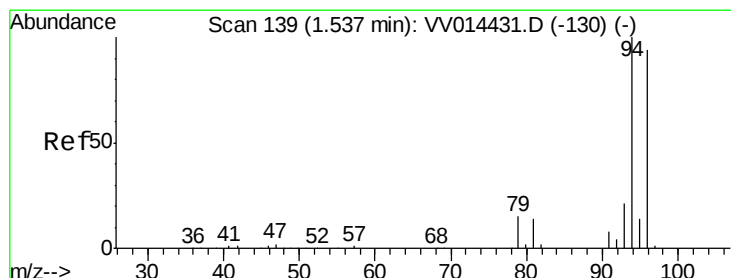
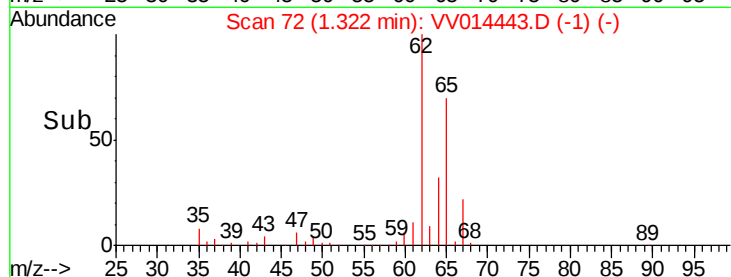
40000

20000

0

Time-->

1.25 1.30 1.35 1.40 1.45



#6

Bromomethane

Concen: 5.733 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV014443.D

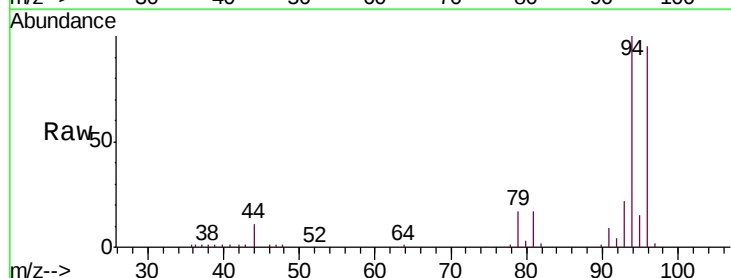
Acq: 30 Jan 2020 18:27

Tgt Ion: 94 Resp: 25316

Ion Ratio Lower Upper

94 100

96 94.7 65.1 120.9



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.54

25000

20000

15000

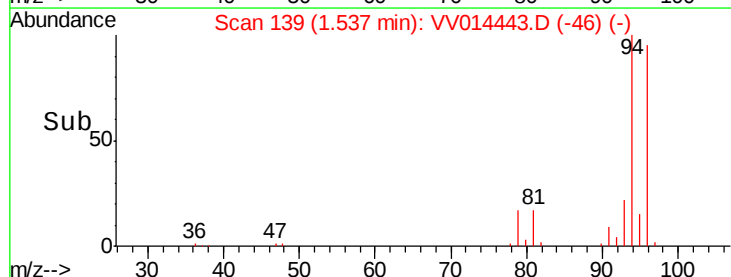
10000

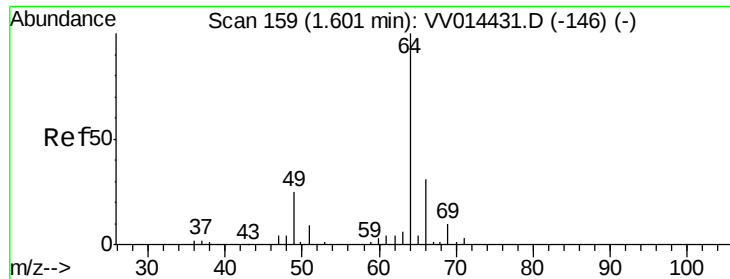
5000

0

Time-->

1.50 1.55 1.60

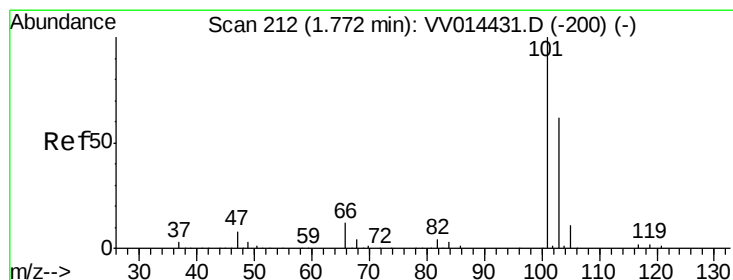
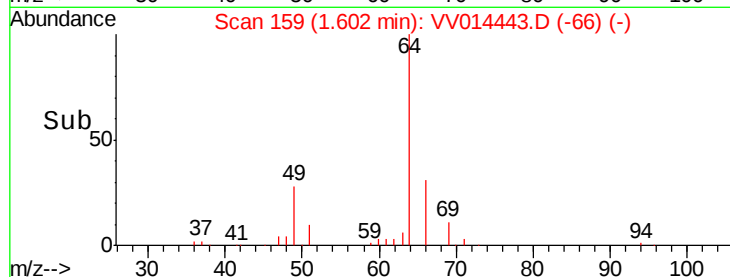
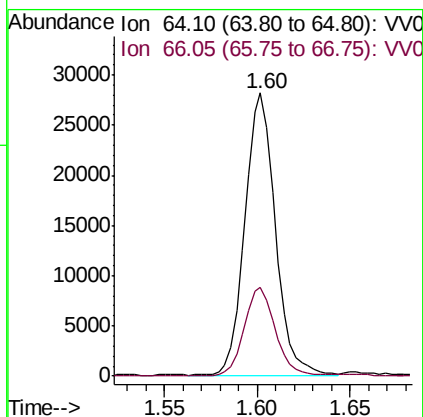
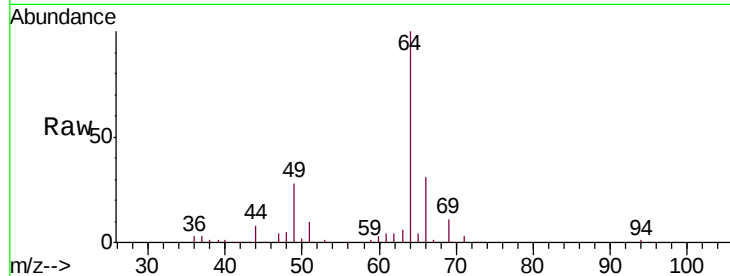




#8
Chloroethane
Concen: 4.852 ug/L
RT: 1.60 min Scan# 159
Delta R.T. 0.00 min
Lab File: VV014443.D
Acq: 30 Jan 2020 18:27

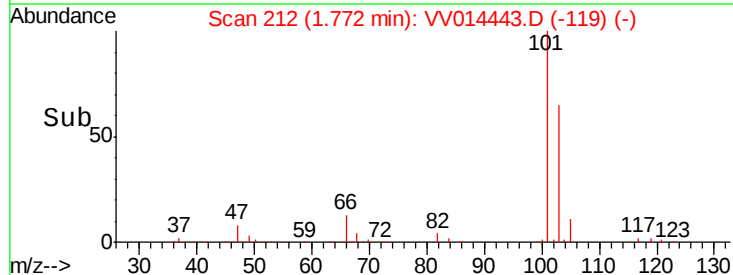
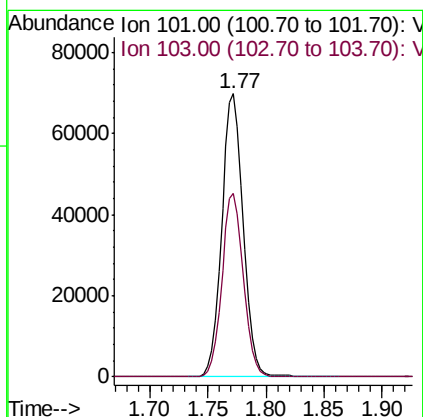
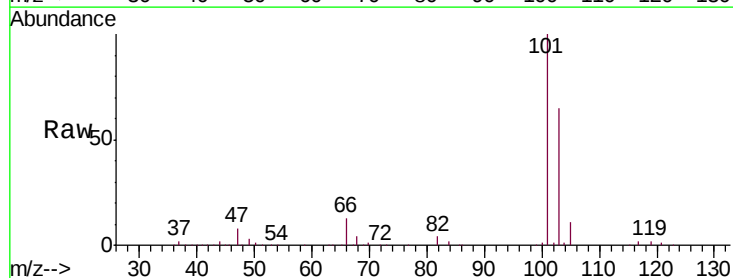
Instrument :
MSVOA_V
ClientSampleId :
VSTD00553

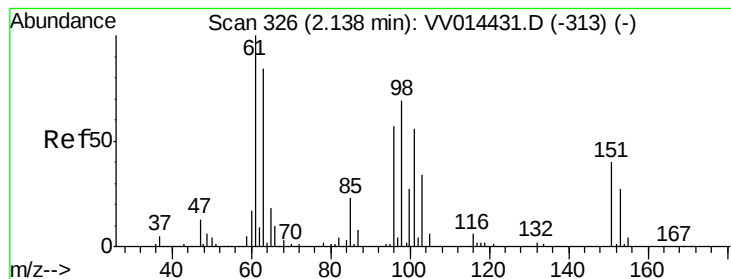
Tgt Ion: 64 Resp: 32008
Ion Ratio Lower Upper
64 100
66 31.4 21.7 40.3



#9
Trichlorofluoromethane
Concen: 5.228 ug/L
RT: 1.77 min Scan# 212
Delta R.T. 0.00 min
Lab File: VV014443.D
Acq: 30 Jan 2020 18:27

Tgt Ion: 101 Resp: 90176
Ion Ratio Lower Upper
101 100
103 64.5 52.5 78.7





#10

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

Concen: 4.803 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV014443.D

Acq: 30 Jan 2020 18:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD00553

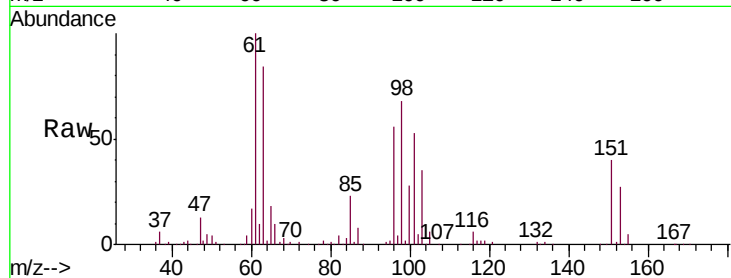
Tgt Ion:101 Resp: 44779

Ion Ratio Lower Upper

101 100

85 43.8 33.2 49.8

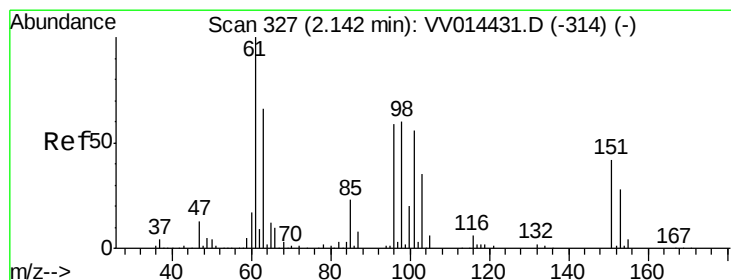
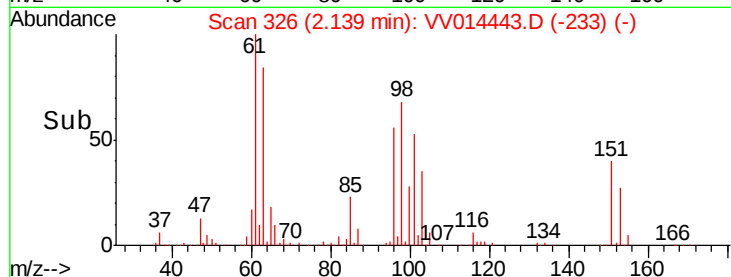
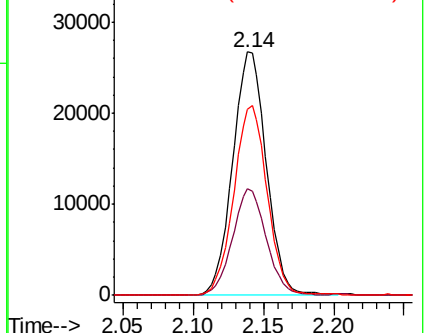
151 77.1 59.6 89.4



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: 4.919 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV014443.D

Acq: 30 Jan 2020 18:27

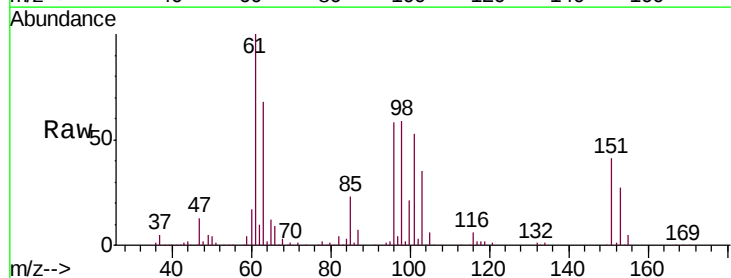
Tgt Ion: 96 Resp: 41929

Ion Ratio Lower Upper

96 100

61 173.8 120.0 223.0

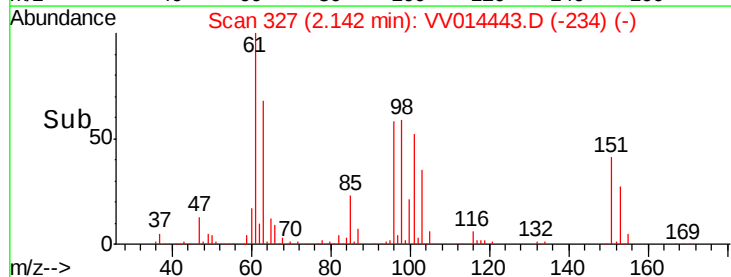
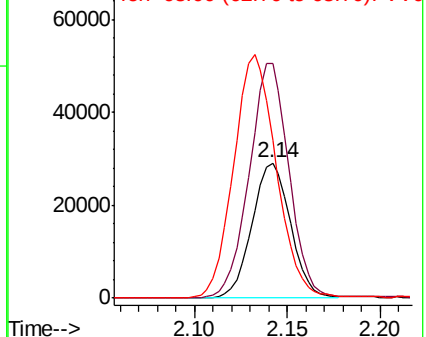
63 117.3 82.4 153.0

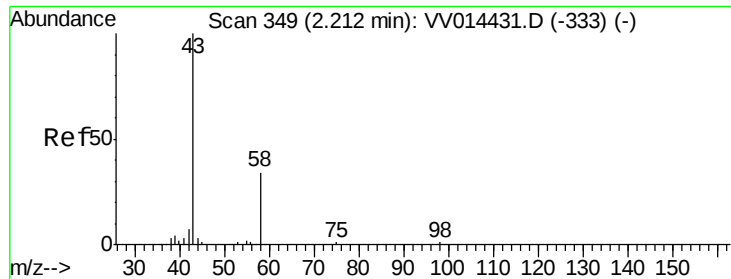


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 40.104 ug/L

RT: 2.20 min Scan# 346

Delta R.T. -0.01 min

Lab File: VV014443.D

Acq: 30 Jan 2020 18:27

Instrument :

MSVOA_V

ClientSampleId :

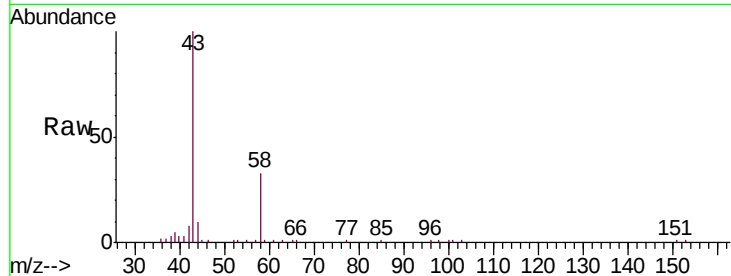
VSTD00553

Tgt Ion: 43 Resp: 60623

Ion Ratio Lower Upper

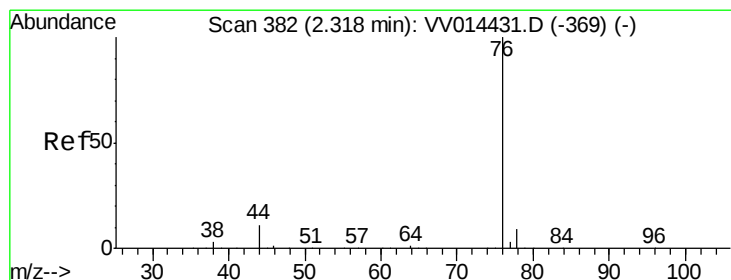
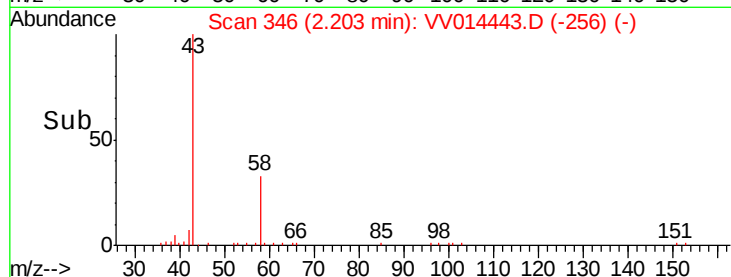
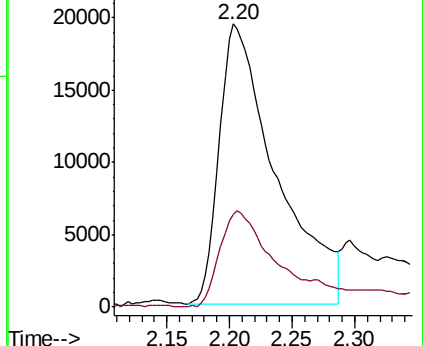
43 100

58 32.0 0.0 47.0



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#14

Carbon disulfide

Concen: 4.996 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV014443.D

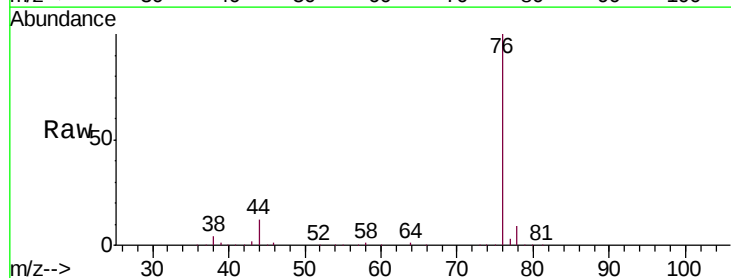
Acq: 30 Jan 2020 18:27

Tgt Ion: 76 Resp: 217456

Ion Ratio Lower Upper

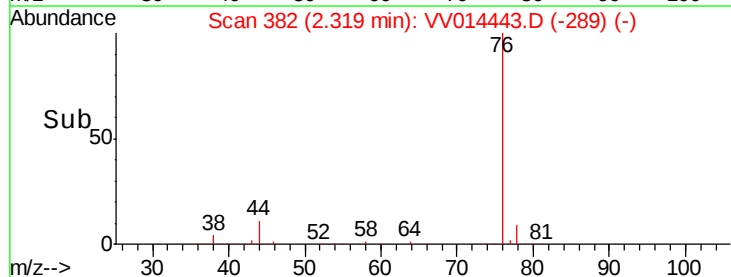
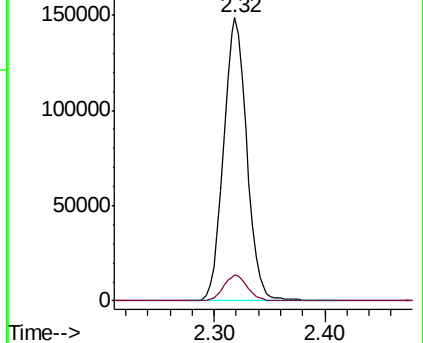
76 100

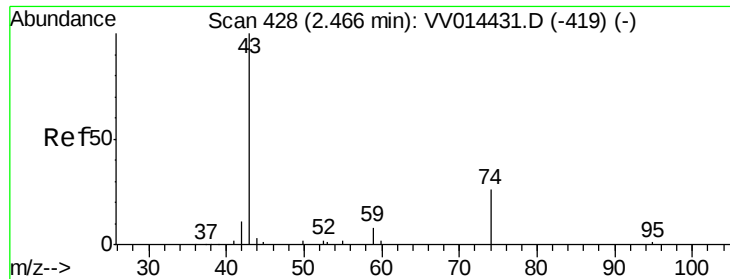
78 9.1 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

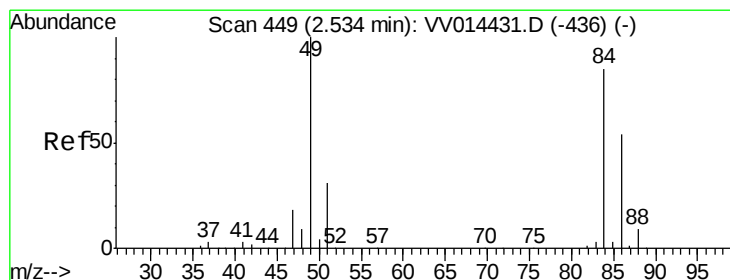
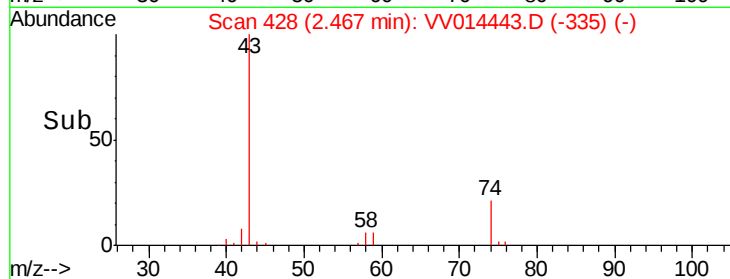
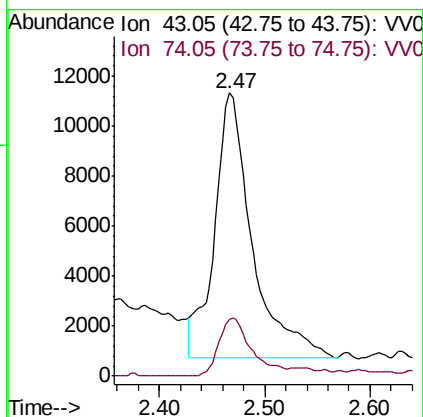
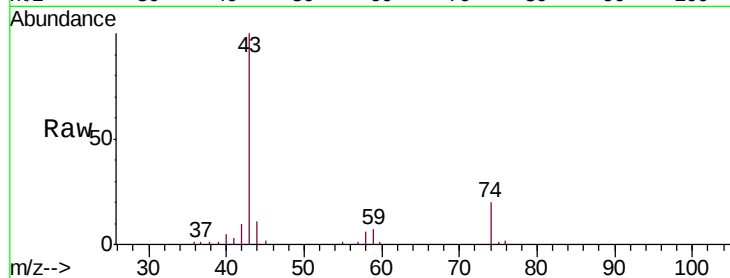




#15
Methyl Acetate
Concen: 6.775 ug/L
RT: 2.47 min Scan# 428
Delta R.T. 0.00 min
Lab File: VV014443.D
Acq: 30 Jan 2020 18:27

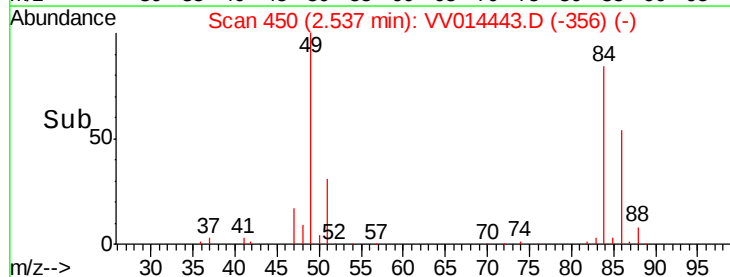
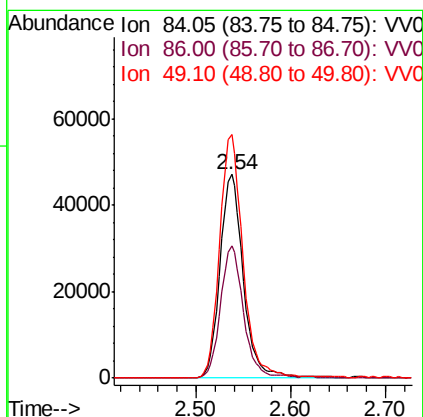
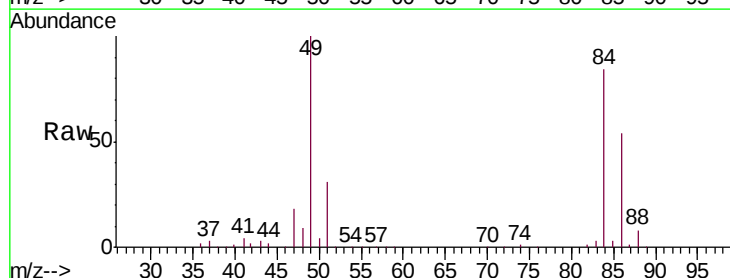
Instrument :
MSVOA_V
ClientSampleId :
VSTD00553

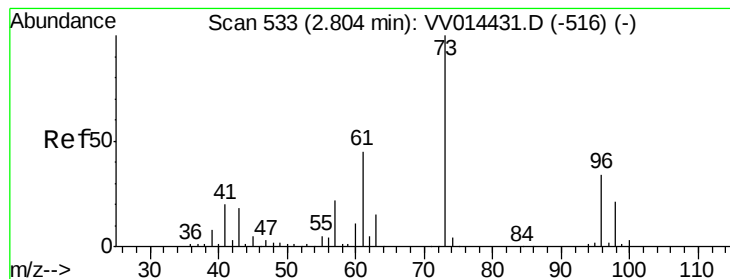
Tgt Ion: 43 Resp: 26313
Ion Ratio Lower Upper
43 100
74 19.2 18.8 28.2



#16
Methylene chloride
Concen: 4.892 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV014443.D
Acq: 30 Jan 2020 18:27

Tgt Ion: 84 Resp: 81132
Ion Ratio Lower Upper
84 100
86 64.8 45.6 84.6
49 119.4 86.1 159.9





#17

Methyl tert-butyl Ether

Concen: 5.186 ug/L

RT: 2.80 min Scan# 533

Delta R.T. 0.00 min

Lab File: VV014443.D

Acq: 30 Jan 2020 18:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD00553

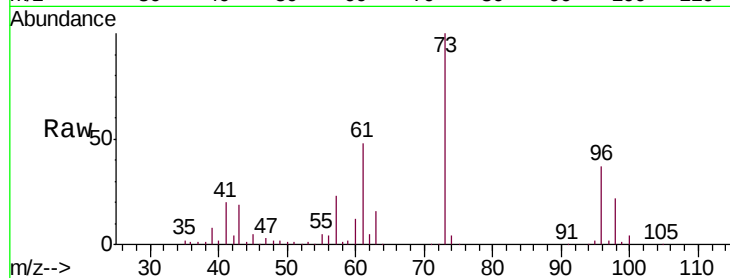
Tgt Ion: 73 Resp: 160647

Ion Ratio Lower Upper

73 100

43 17.5 14.2 21.2

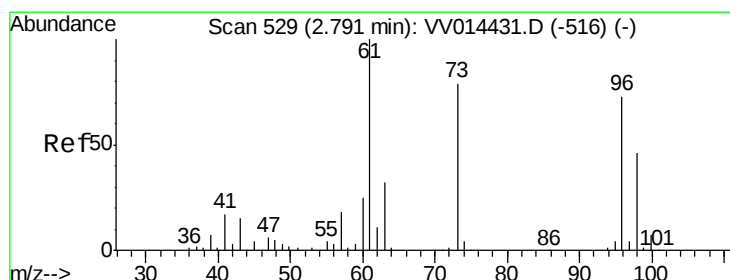
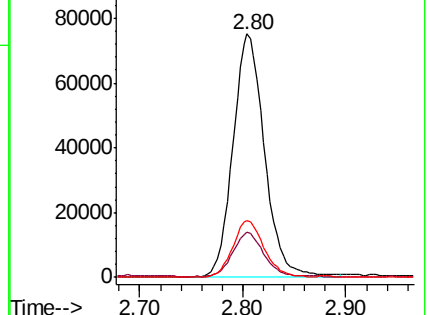
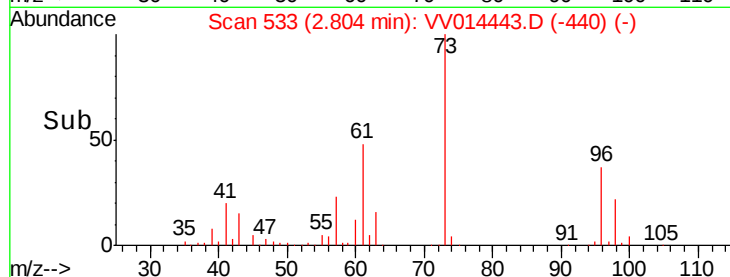
57 23.1 18.5 27.7



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: 5.240 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV014443.D

Acq: 30 Jan 2020 18:27

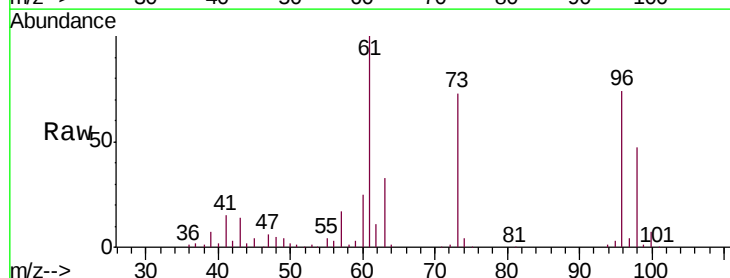
Tgt Ion: 96 Resp: 77713

Ion Ratio Lower Upper

96 100

61 135.5 99.9 185.5

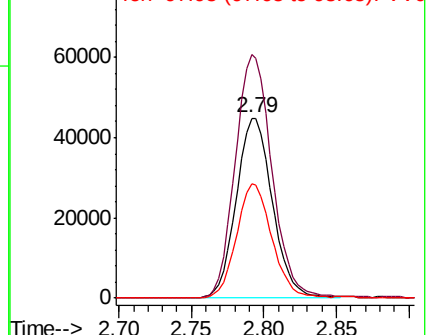
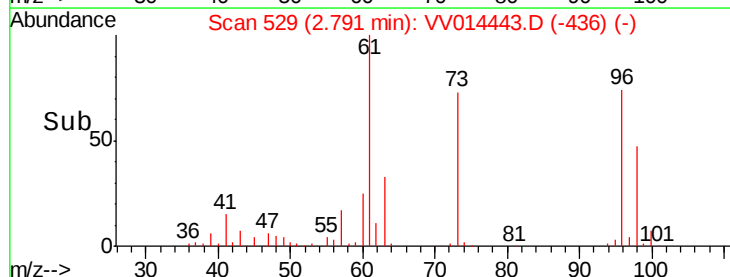
98 63.8 45.4 84.4

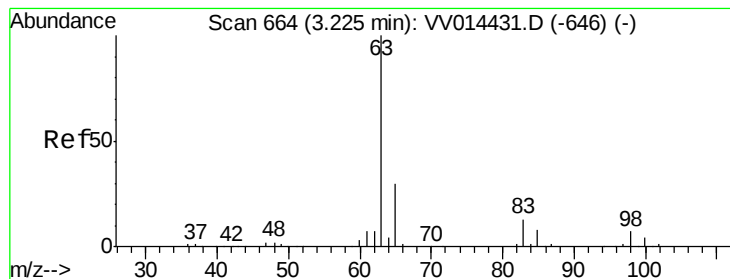


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0





#19

1,1-Dichloroethane

Concen: 5.179 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV014443.D

Acq: 30 Jan 2020 18:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD00553

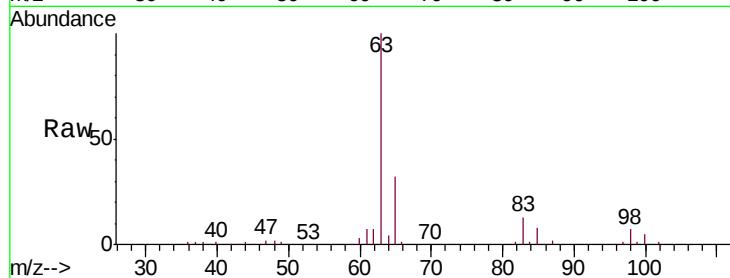
Tgt Ion: 63 Resp: 139693

Ion Ratio Lower Upper

63 100

65 31.6 22.4 41.6

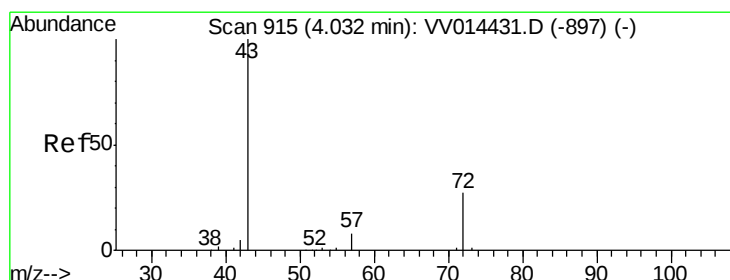
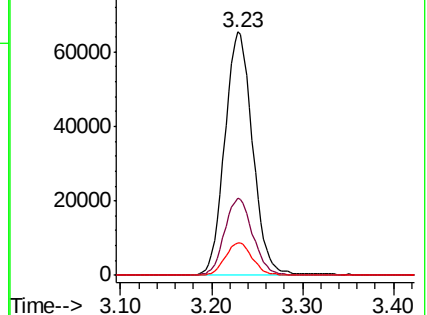
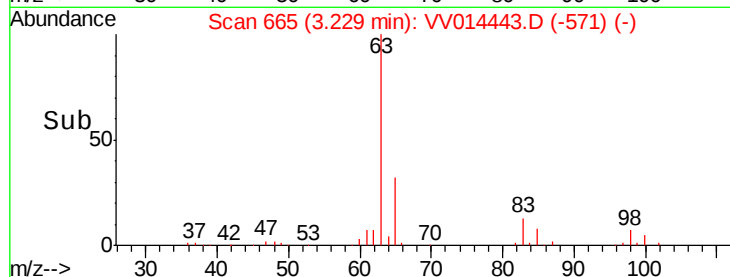
83 13.5 9.2 17.2



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0



#21

2-Butanone

Concen: 44.200 ug/L

RT: 4.03 min Scan# 914

Delta R.T. -0.00 min

Lab File: VV014443.D

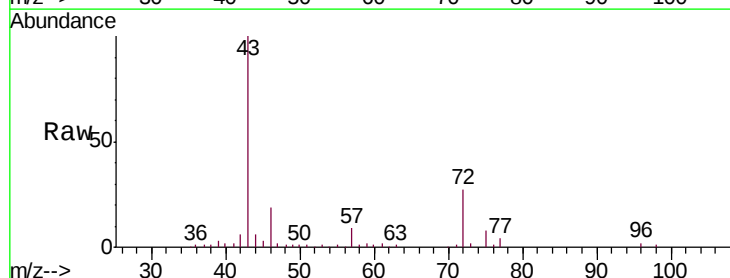
Acq: 30 Jan 2020 18:27

Tgt Ion: 43 Resp: 122205

Ion Ratio Lower Upper

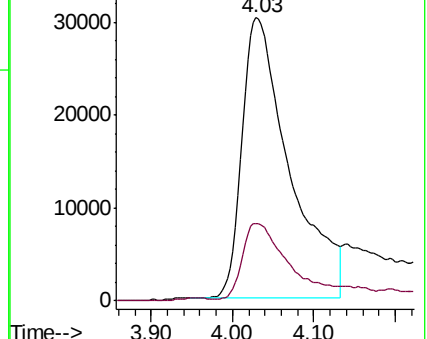
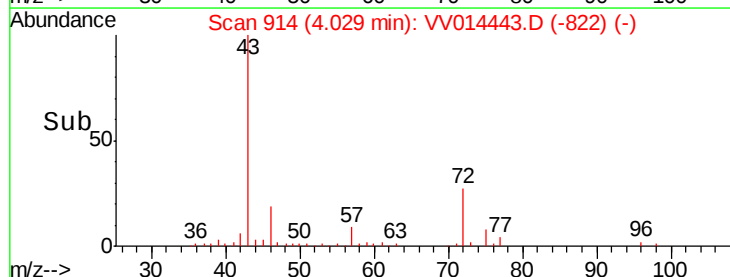
43 100

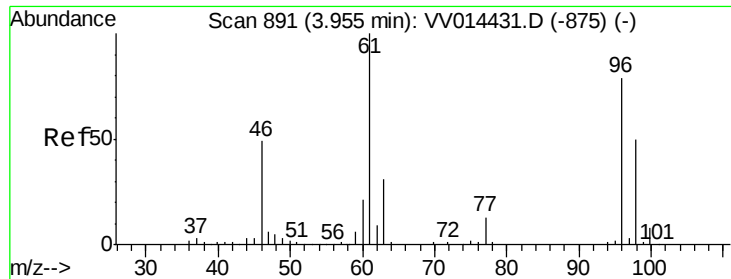
72 25.7 9.2 27.6



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 72.00 (71.70 to 72.70): VV0



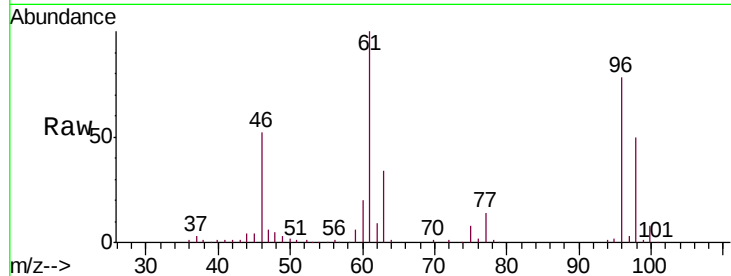


#22

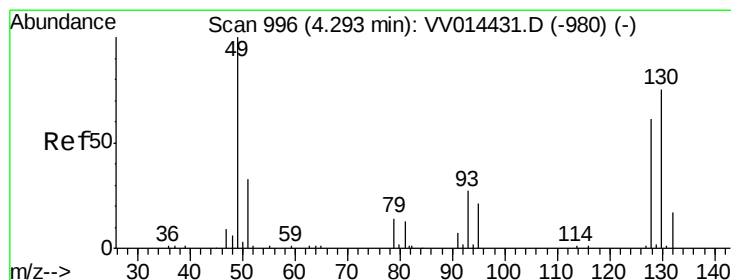
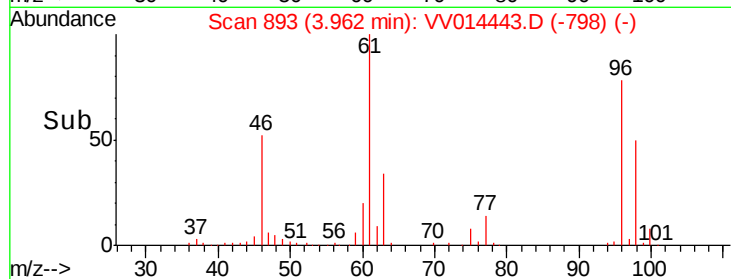
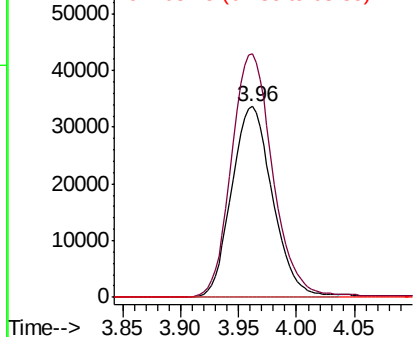
cis-1,2-Dichloroethene
 Concen: 5.154 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.01 min
 Lab File: VV014443.D
 Acq: 30 Jan 2020 18:27

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00553

Tgt Ion: 96 Resp: 82631
 Ion Ratio Lower Upper
 96 100
 61 127.6 88.5 164.4
 68 0.0 0.0 0.0



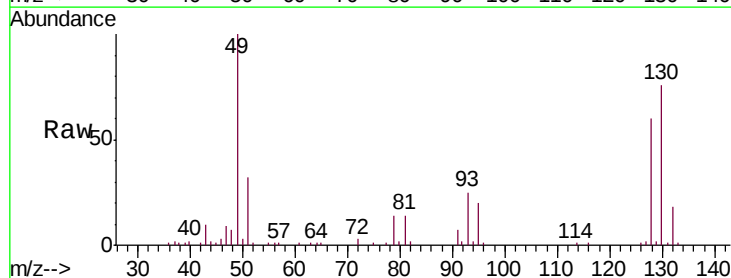
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



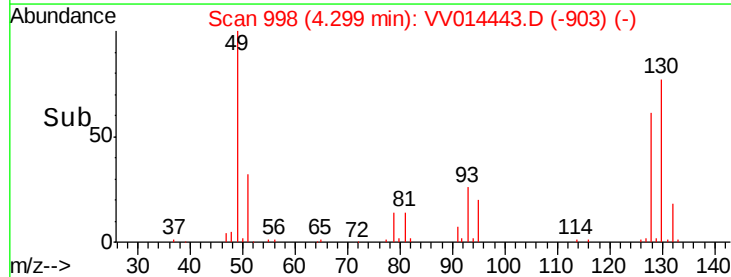
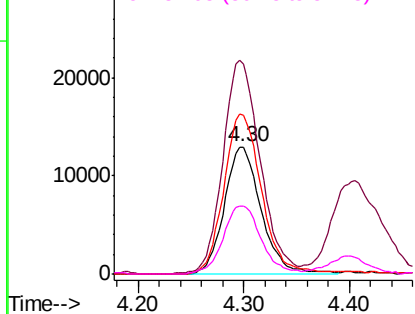
#23

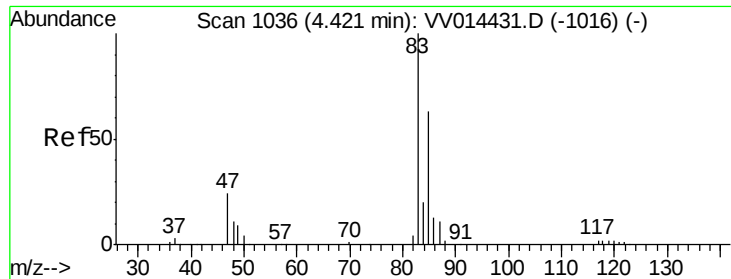
Bromochloromethane
 Concen: 5.259 ug/L
 RT: 4.30 min Scan# 998
 Delta R.T. 0.01 min
 Lab File: VV014443.D
 Acq: 30 Jan 2020 18:27

Tgt Ion: 128 Resp: 31365
 Ion Ratio Lower Upper
 128 100
 49 165.5 114.9 213.5
 130 125.1 85.7 159.1
 51 53.2 42.6 64.0



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

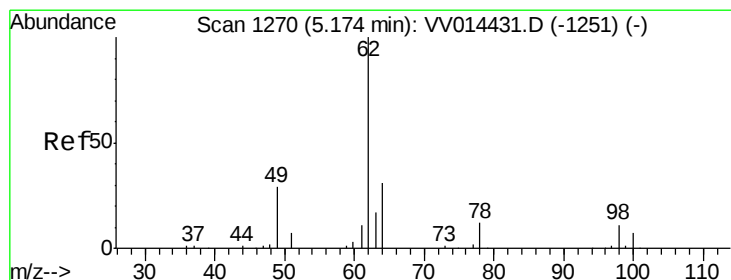
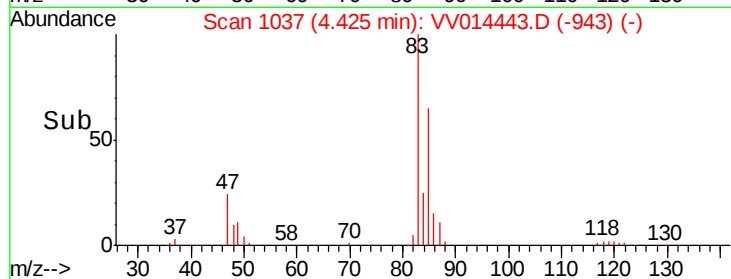
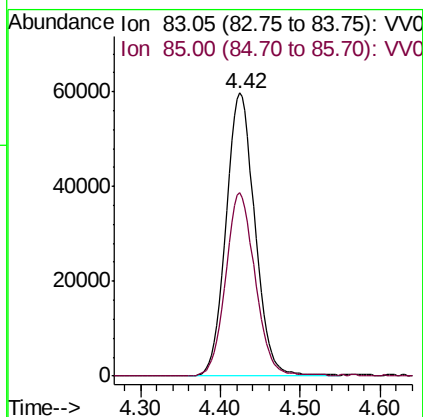
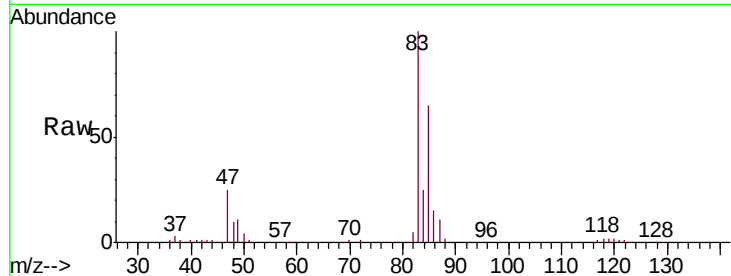




#25
 Chloroform
 Concen: 5.429 ug/L
 RT: 4.42 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: VV014443.D
 Acq: 30 Jan 2020 18:27

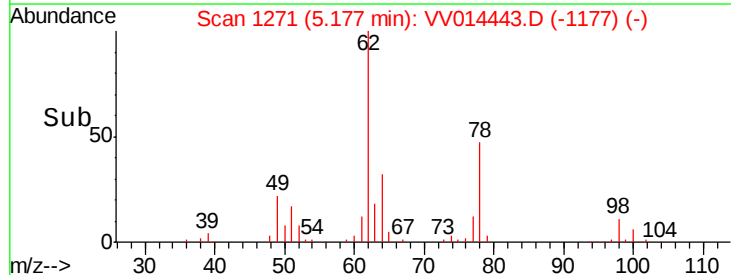
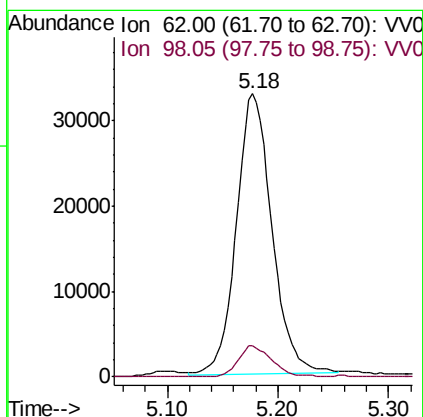
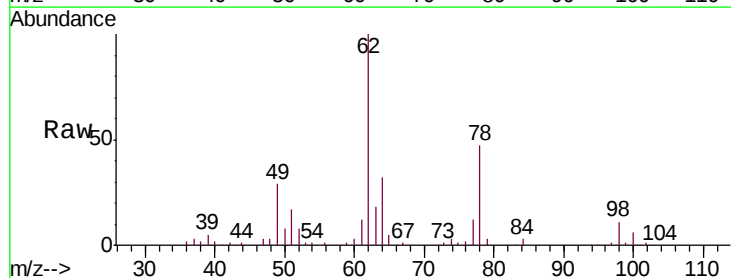
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00553

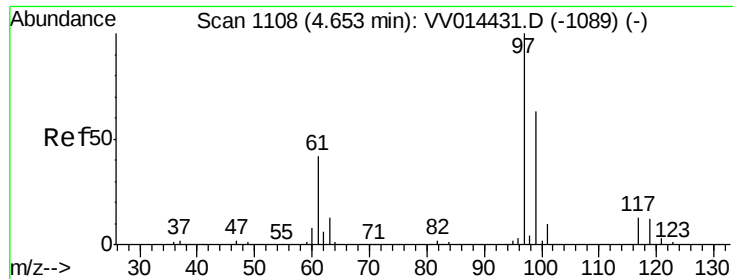
Tgt Ion: 83 Resp: 147057
 Ion Ratio Lower Upper
 83 100
 85 65.0 45.9 85.3



#27
 1,2-Dichloroethane
 Concen: 5.037 ug/L
 RT: 5.18 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VV014443.D
 Acq: 30 Jan 2020 18:27

Tgt Ion: 62 Resp: 73369
 Ion Ratio Lower Upper
 62 100
 98 11.0 8.5 12.7

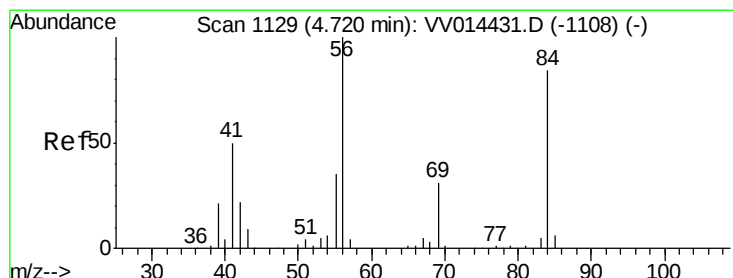
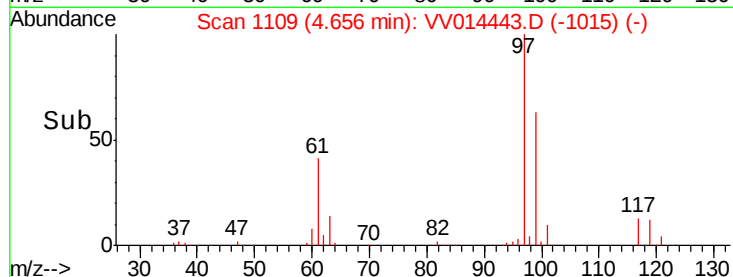
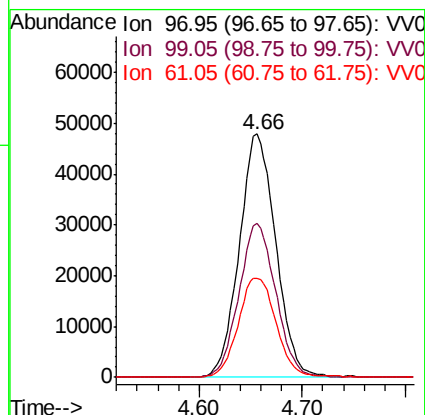
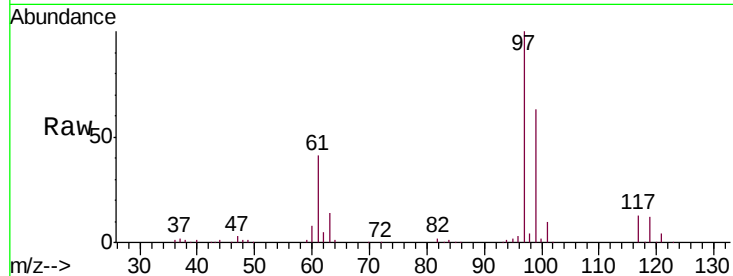




#29
 1,1,1-Trichloroethane
 Concen: 5.107 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. 0.00 min
 Lab File: VV014443.D
 Acq: 30 Jan 2020 18:27

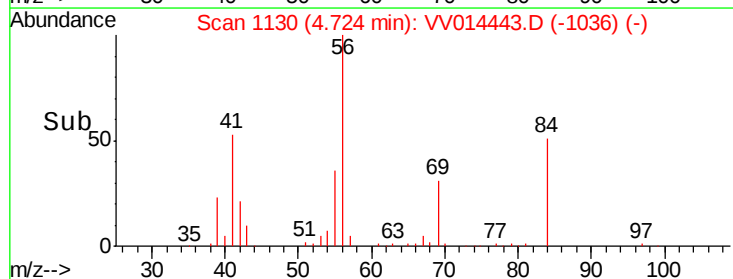
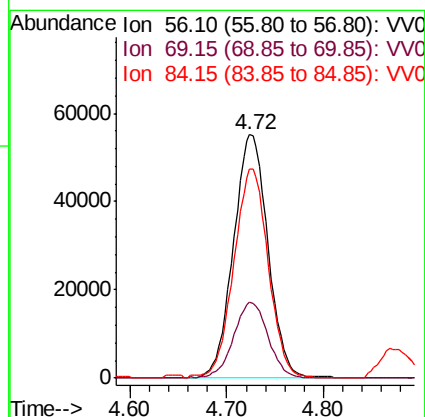
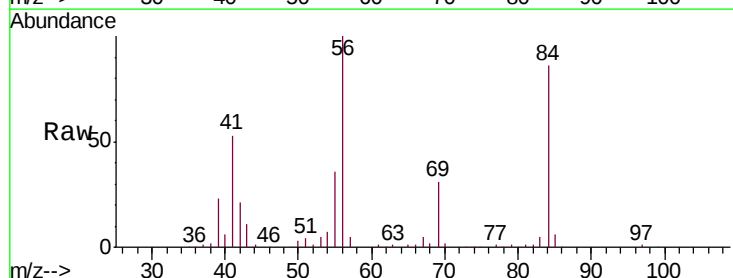
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00553

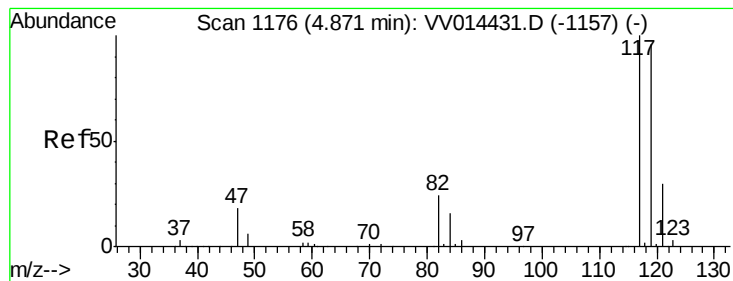
Tgt Ion: 97 Resp: 117942
 Ion Ratio Lower Upper
 97 100
 99 63.9 51.1 76.7
 61 42.3 34.2 51.2



#30
 Cyclohexane
 Concen: 5.131 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. 0.00 min
 Lab File: VV014443.D
 Acq: 30 Jan 2020 18:27

Tgt Ion: 56 Resp: 136704
 Ion Ratio Lower Upper
 56 100
 69 30.4 24.1 36.1
 84 86.1 68.8 103.2





#31

Carbon tetrachloride

Concen: 5.138 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV014443.D

Acq: 30 Jan 2020 18:27

Instrument :

MSVOA_V

ClientSampleId :

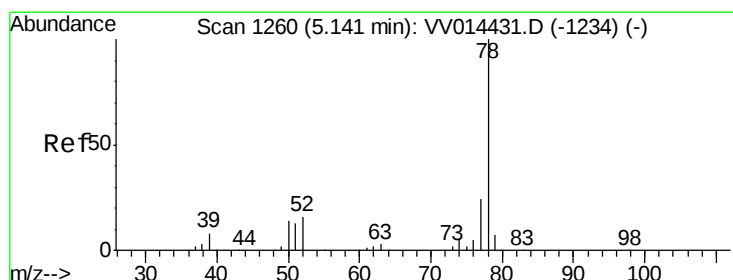
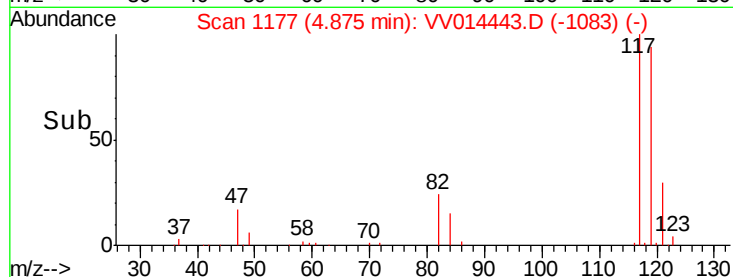
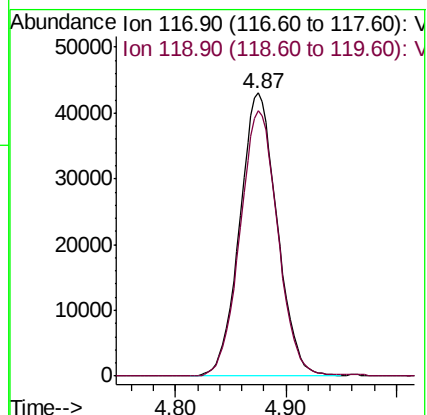
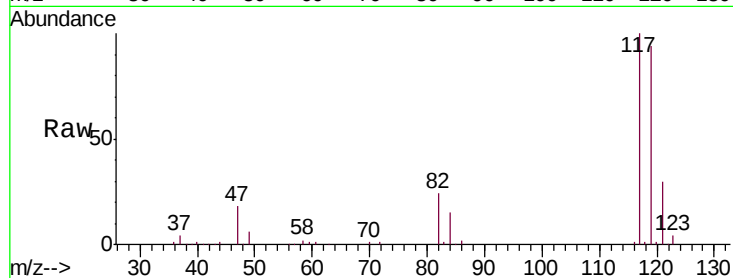
VSTD00553

Tgt Ion:117 Resp: 100897

Ion Ratio Lower Upper

117 100

119 94.8 77.5 116.3



#33

Benzene

Concen: 5.226 ug/L

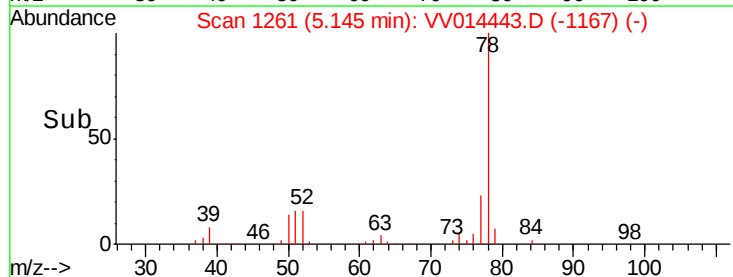
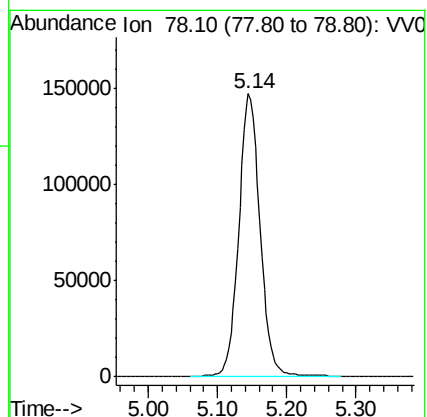
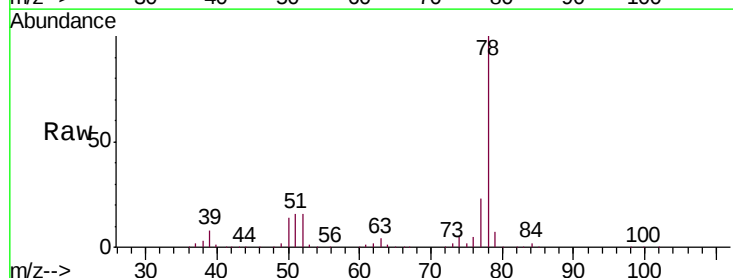
RT: 5.14 min Scan# 1261

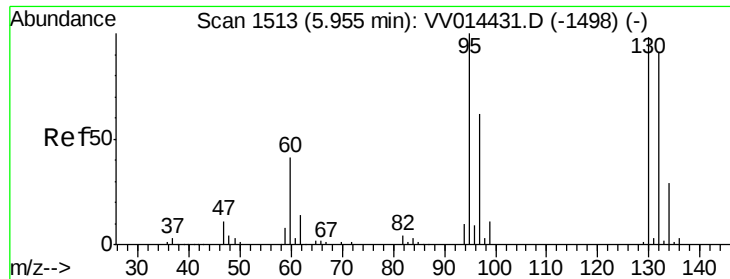
Delta R.T. 0.00 min

Lab File: VV014443.D

Acq: 30 Jan 2020 18:27

Tgt Ion: 78 Resp: 318744





#34

Trichloroethene

Concen: 5.066 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV014443.D

Acq: 30 Jan 2020 18:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD00553

Tgt Ion: 95 Resp: 81152

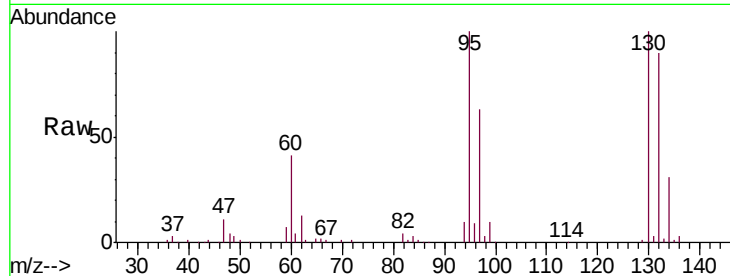
Ion Ratio Lower Upper

95 100

97 63.8 43.6 81.0

132 90.8 63.3 117.7

130 100.4 66.0 122.6

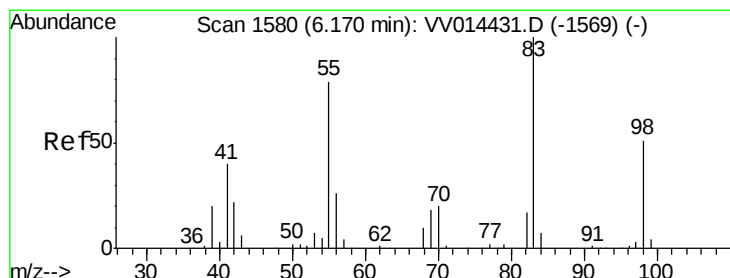
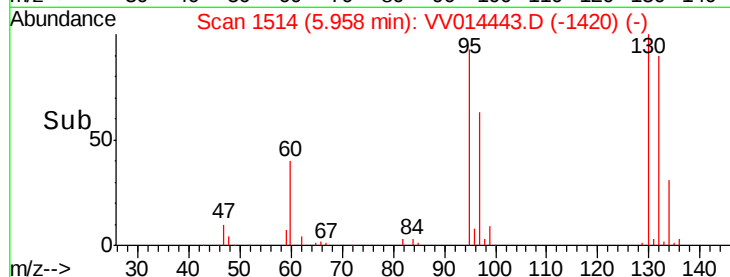
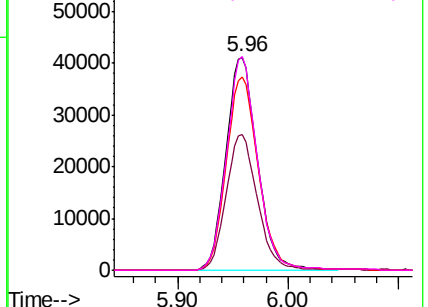


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 5.057 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV014443.D

Acq: 30 Jan 2020 18:27

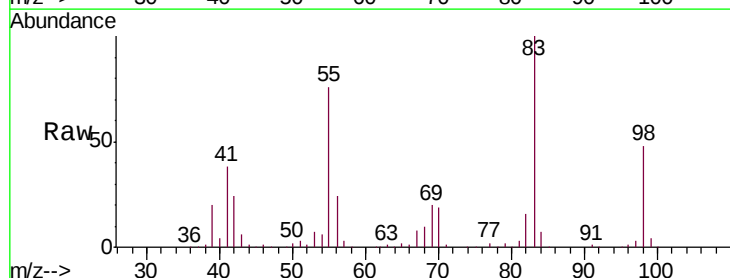
Tgt Ion: 83 Resp: 139359

Ion Ratio Lower Upper

83 100

55 76.5 61.3 91.9

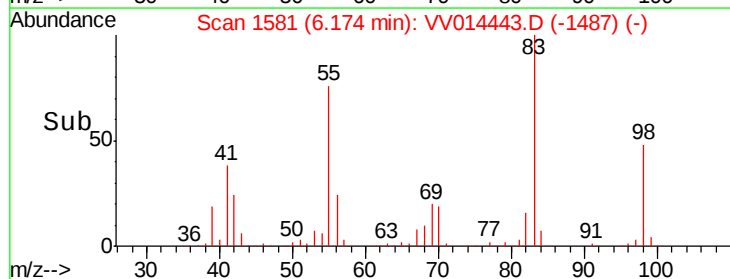
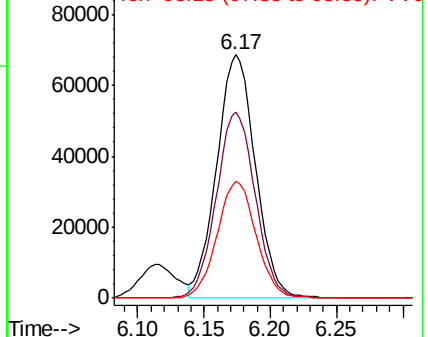
98 48.4 37.5 56.3

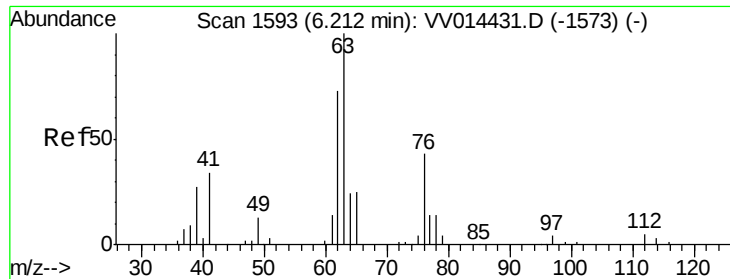


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

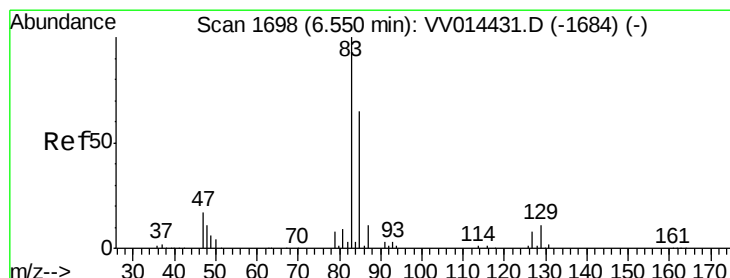
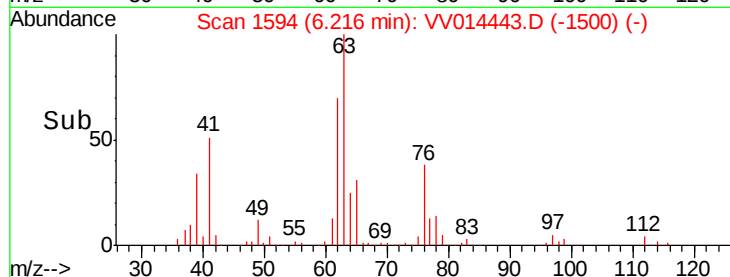
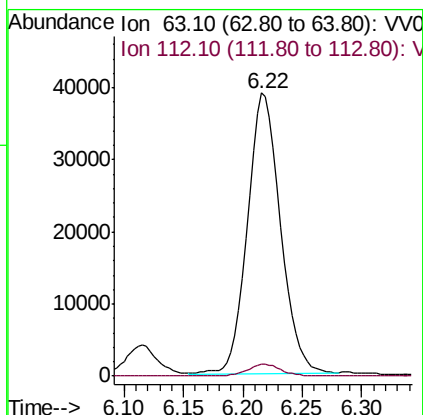
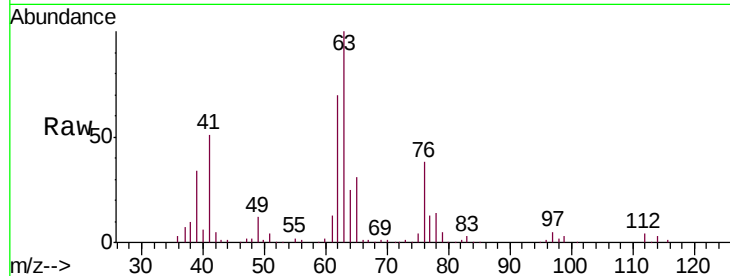




#37
 1,2-Dichloropropane
 Concen: 5.011 ug/L
 RT: 6.22 min Scan# 1594
 Delta R.T. 0.00 min
 Lab File: VV014443.D
 Acq: 30 Jan 2020 18:27

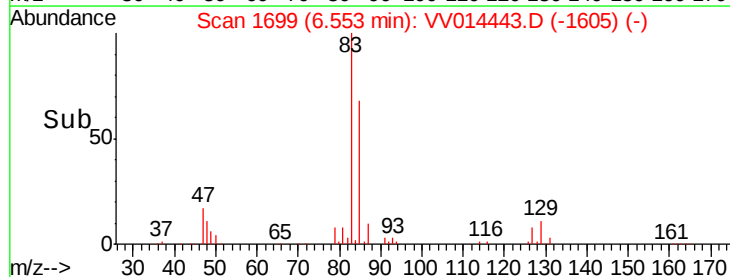
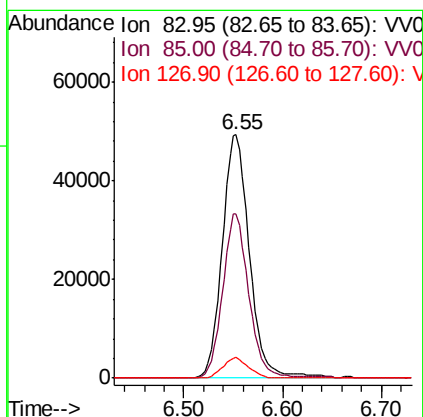
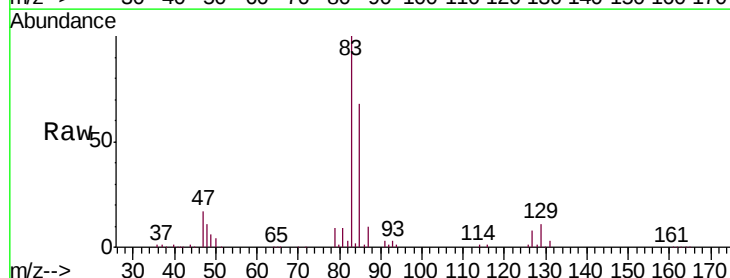
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00553

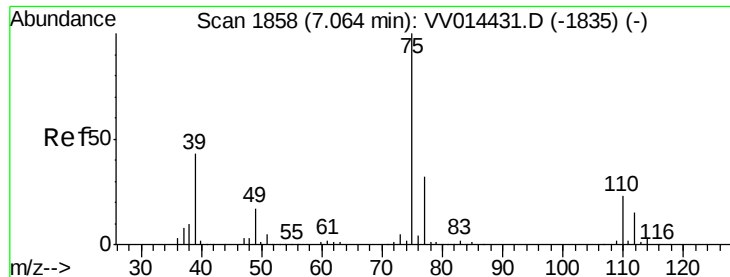
Tgt Ion: 63 Resp: 75357
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.5 5.3



#38
 Bromodichloromethane
 Concen: 5.178 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV014443.D
 Acq: 30 Jan 2020 18:27

Tgt Ion: 83 Resp: 95376
 Ion Ratio Lower Upper
 83 100
 85 67.6 44.5 82.7
 127 8.3 6.6 10.0



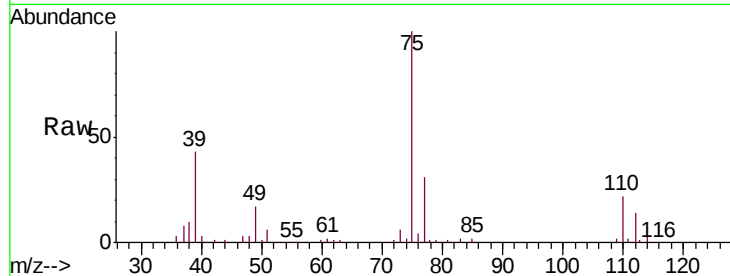


#39

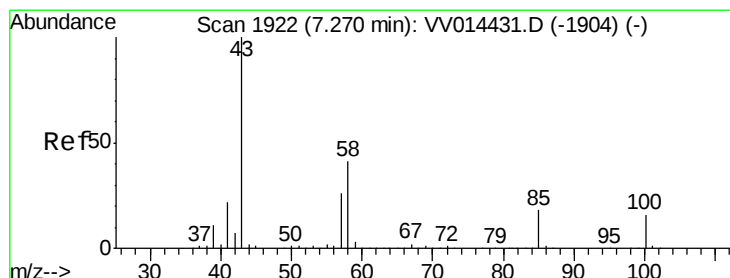
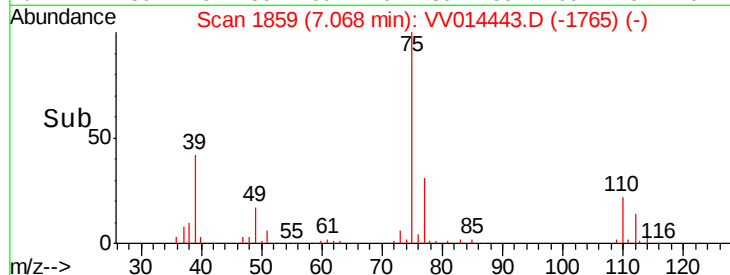
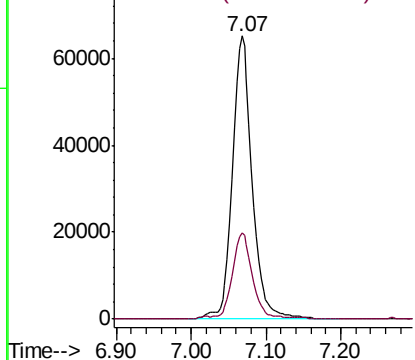
cis-1,3-Dichloropropene
Concen: 5.250 ug/L
RT: 7.07 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VV014443.D
Acq: 30 Jan 2020 18:27

Instrument :
MSVOA_V
ClientSampleId :
VSTD00553

Tgt Ion: 75 Resp: 119595
Ion Ratio Lower Upper
75 100
77 30.6 22.1 41.1



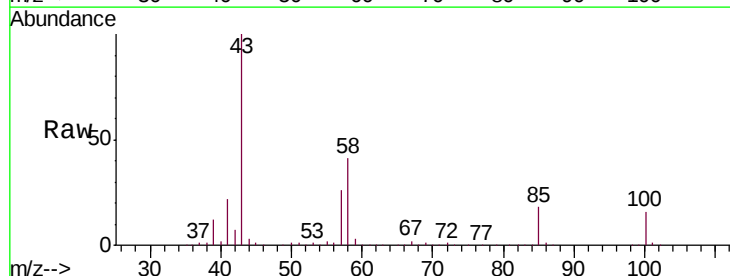
Abundance Ion 75.05 (74.75 to 75.75): VV0
Ion 77.05 (76.75 to 77.75): VV0



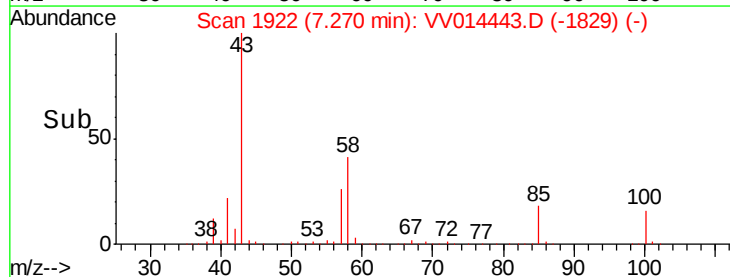
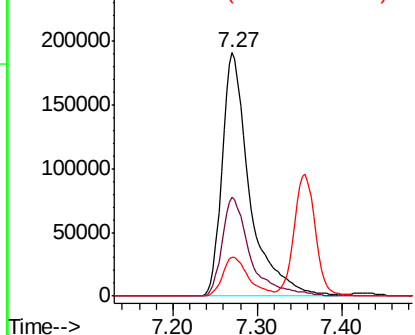
#40

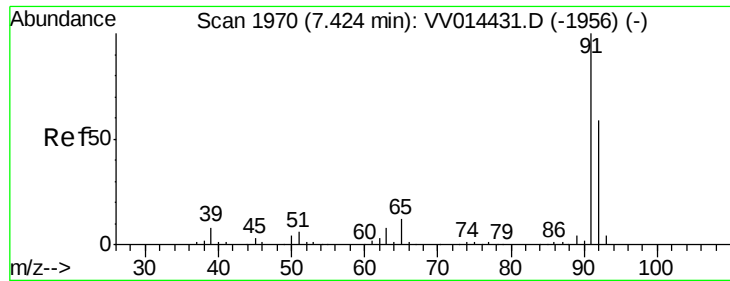
4-Methyl-2-pentanone
Concen: 52.433 ug/L
RT: 7.27 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VV014443.D
Acq: 30 Jan 2020 18:27

Tgt Ion: 43 Resp: 432365
Ion Ratio Lower Upper
43 100
58 41.6 33.1 49.7
100 15.2 12.1 18.1



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





#42

Toluene

Concen: 5.187 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV014443.D

Acq: 30 Jan 2020 18:27

Instrument :

MSVOA_V

ClientSampleId :

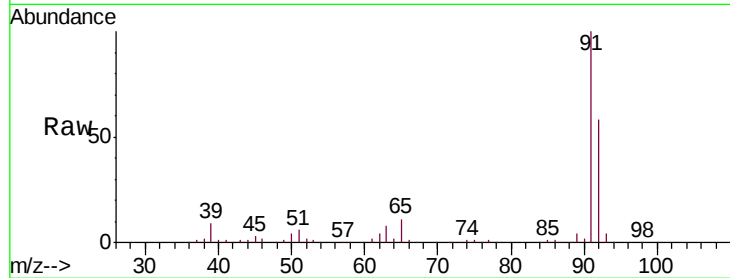
VSTD00553

Tgt Ion: 91 Resp: 336424

Ion Ratio Lower Upper

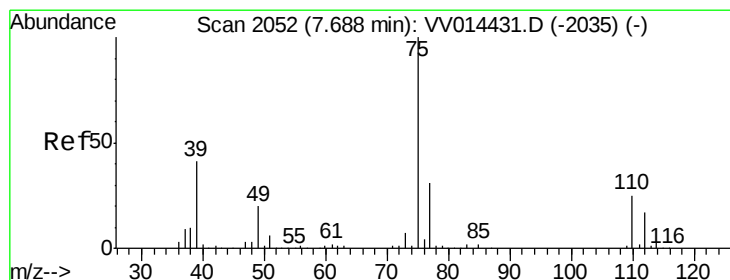
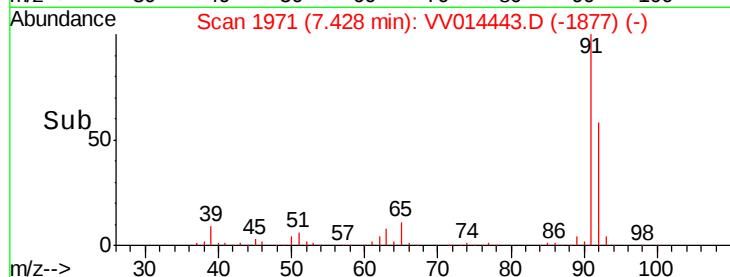
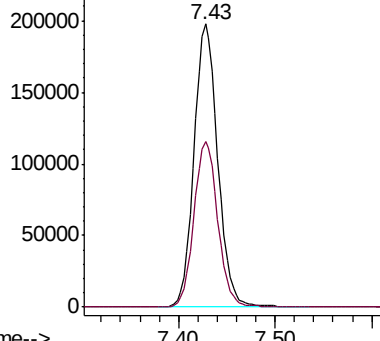
91 100

92 58.3 40.9 76.0



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: 5.210 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV014443.D

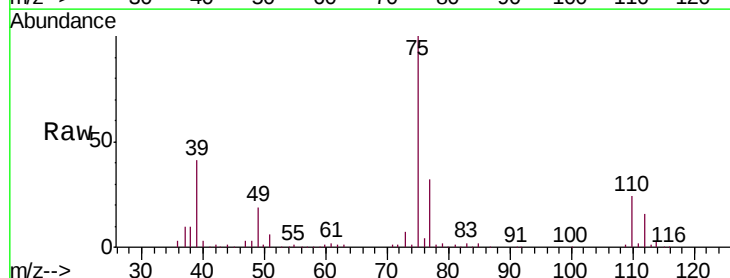
Acq: 30 Jan 2020 18:27

Tgt Ion: 75 Resp: 89426

Ion Ratio Lower Upper

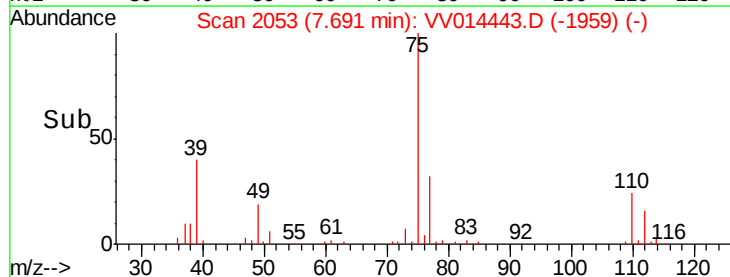
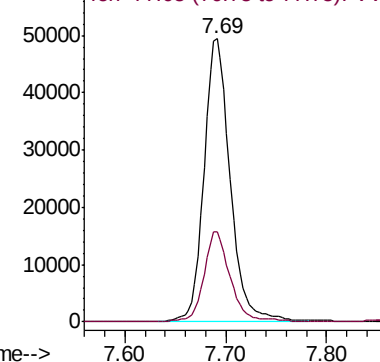
75 100

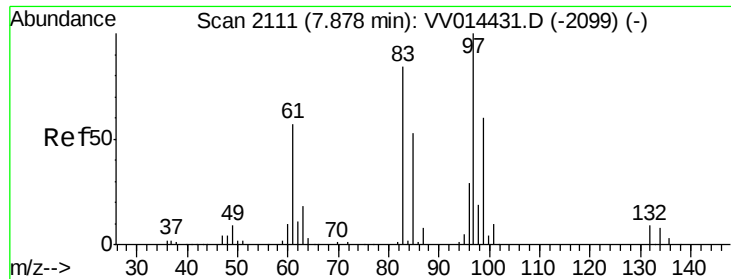
77 31.9 22.0 41.0



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

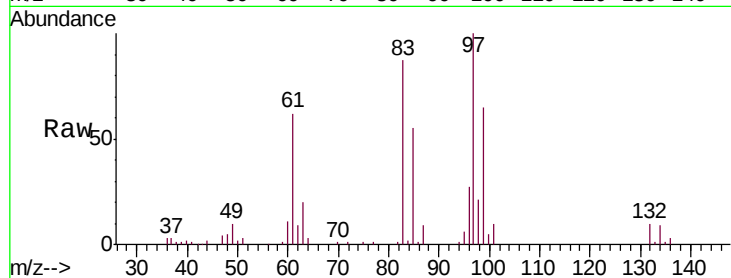




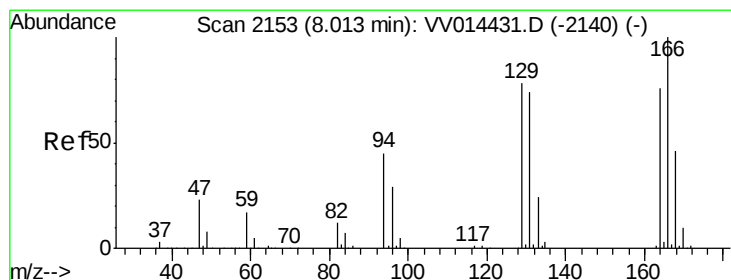
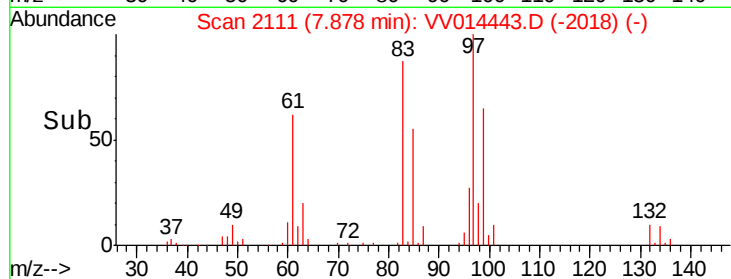
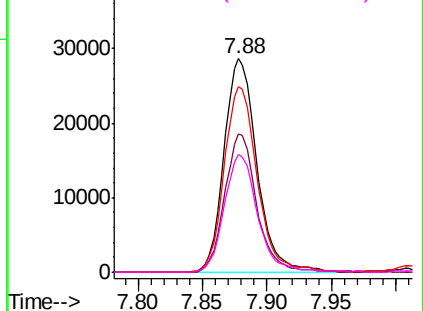
#45
 1,1,2-Trichloroethane
 Concen: 5.172 ug/L
 RT: 7.88 min Scan# 2111
 Delta R.T. 0.00 min
 Lab File: VV014443.D
 Acq: 30 Jan 2020 18:27

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00553

Tgt Ion:	97	Resp:	50692
Ion	Ratio	Lower	Upper
97	100		
99	64.8	42.5	78.9
83	87.1	59.8	111.0
85	54.9	38.4	71.4

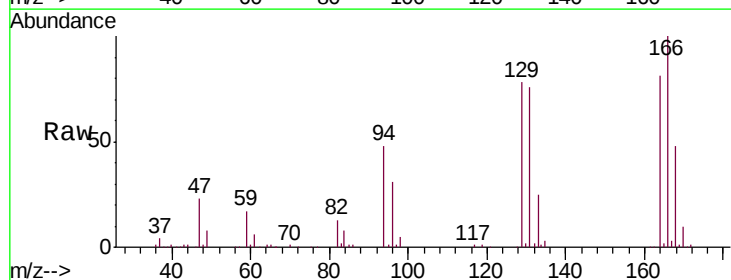


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

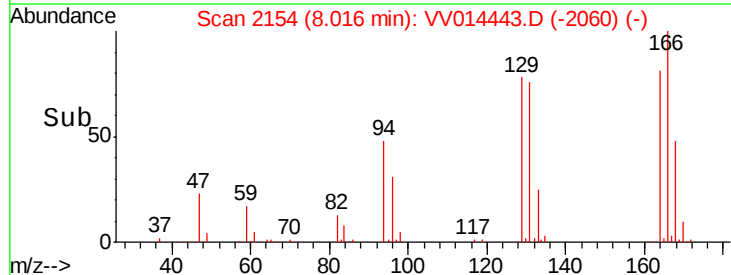
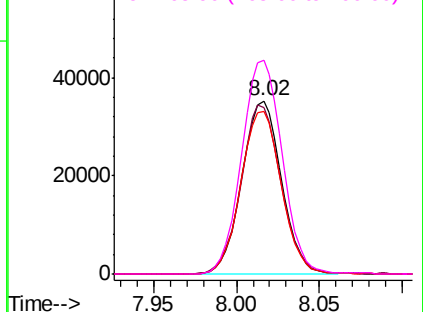


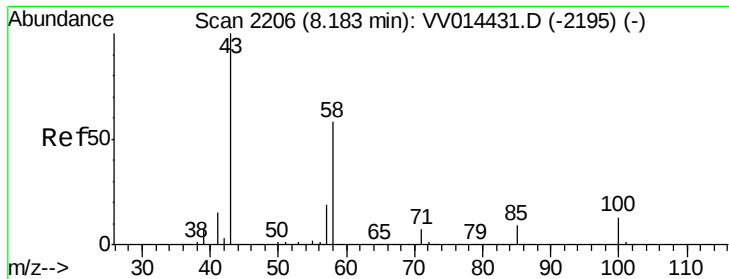
#47
 Tetrachloroethene
 Concen: 5.091 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV014443.D
 Acq: 30 Jan 2020 18:27

Tgt Ion:	164	Resp:	58600
Ion	Ratio	Lower	Upper
164	100		
129	96.6	69.9	129.7
131	94.0	67.5	125.3
166	123.6	90.6	168.3



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: 51.873 ug/L

RT: 8.18 min Scan# 2206

Delta R.T. 0.00 min

Lab File: VV014443.D

Acq: 30 Jan 2020 18:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD00553

Tgt Ion: 43 Resp: 297997

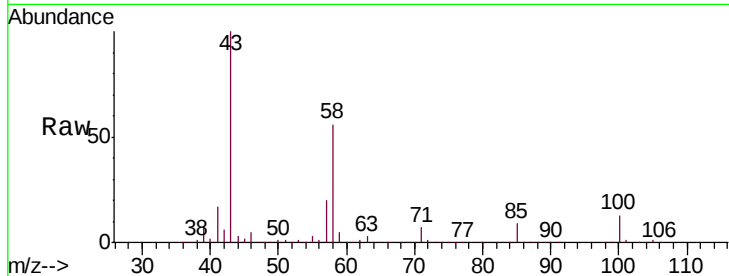
Ion Ratio Lower Upper

43 100

58 59.5 45.8 68.6

57 19.9 15.4 23.0

100 13.2 9.8 14.8

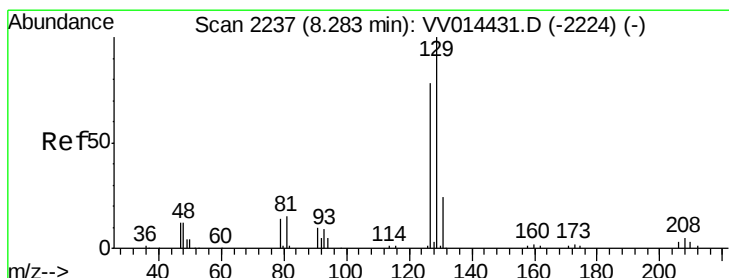
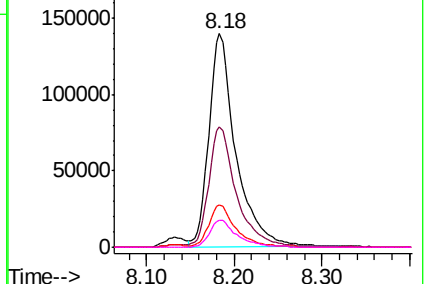
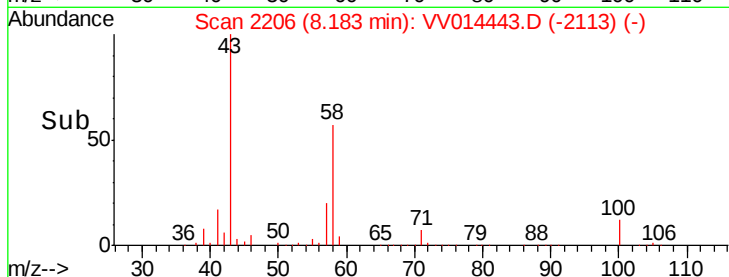


Abundance Ion 43.05 (42.75 to 43.75): VV0

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: 5.157 ug/L

RT: 8.29 min Scan# 2238

Delta R.T. 0.00 min

Lab File: VV014443.D

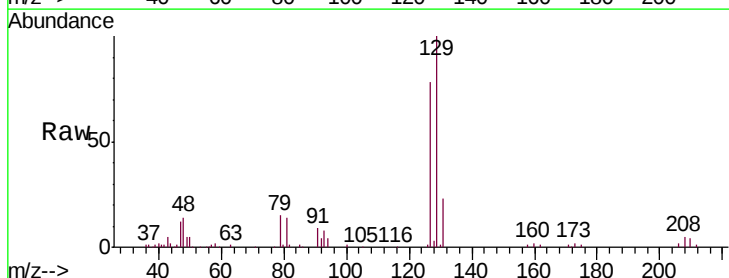
Acq: 30 Jan 2020 18:27

Tgt Ion: 129 Resp: 60123

Ion Ratio Lower Upper

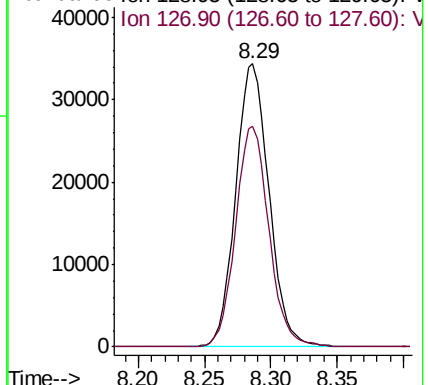
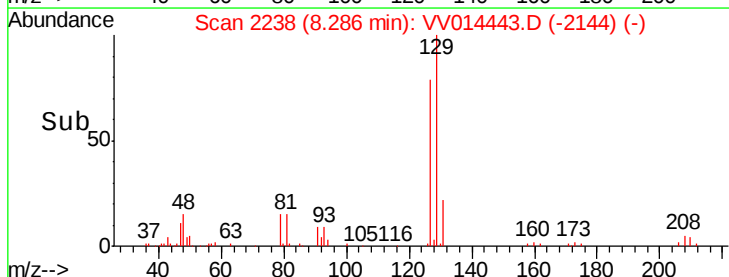
129 100

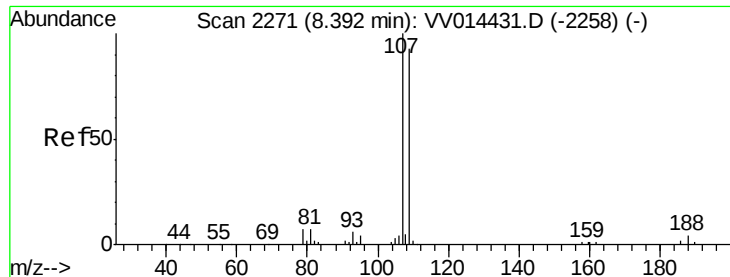
127 77.8 54.9 102.1



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

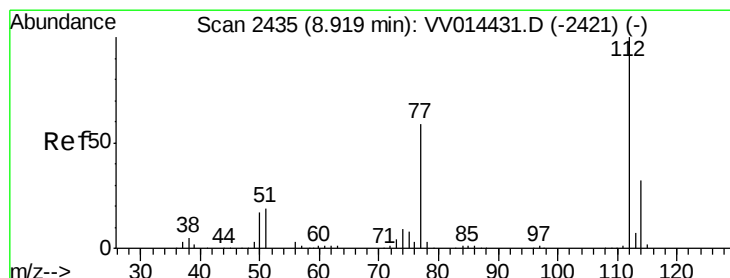
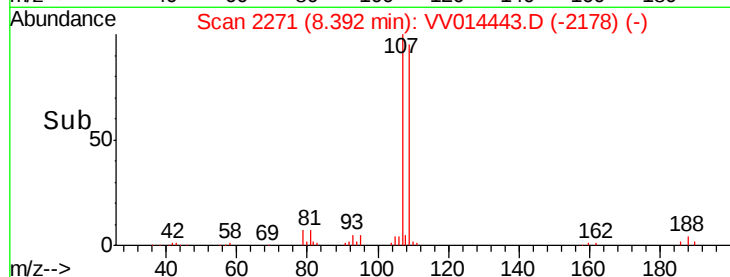
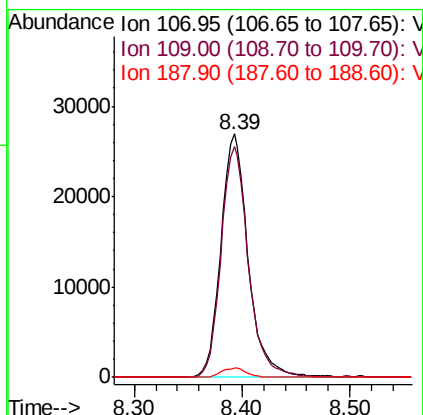
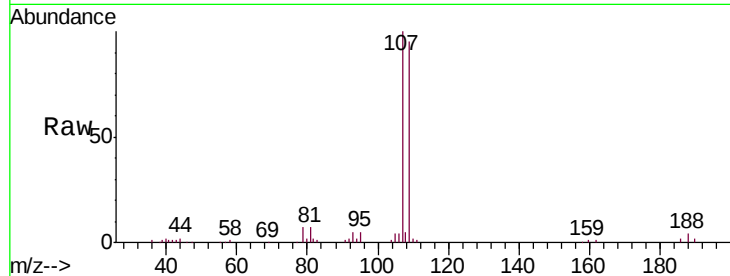




#50
1,2-Dibromoethane
Concen: 5.225 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV014443.D
Acq: 30 Jan 2020 18:27

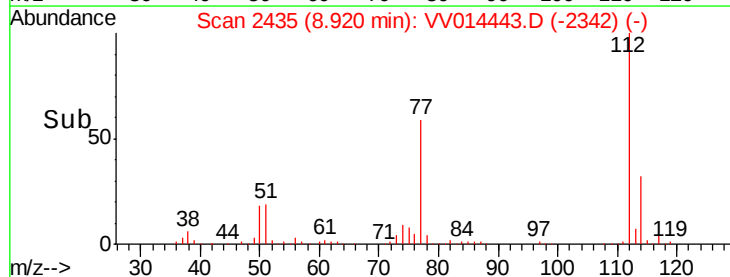
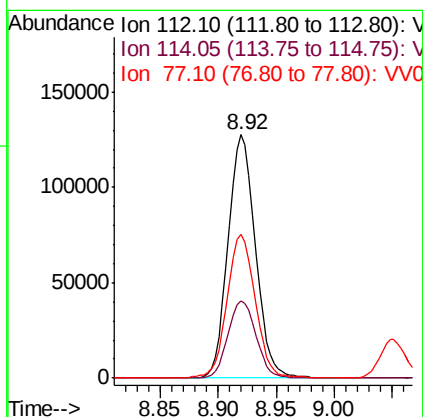
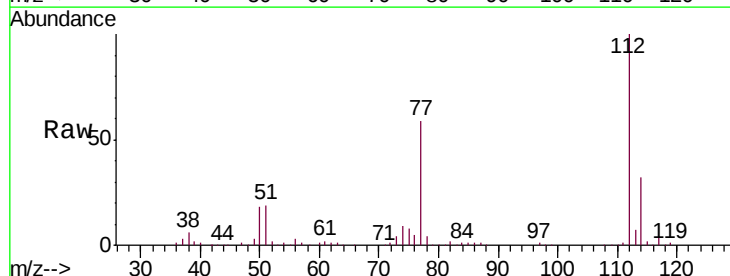
Instrument :
MSVOA_V
ClientSampleId :
VSTD00553

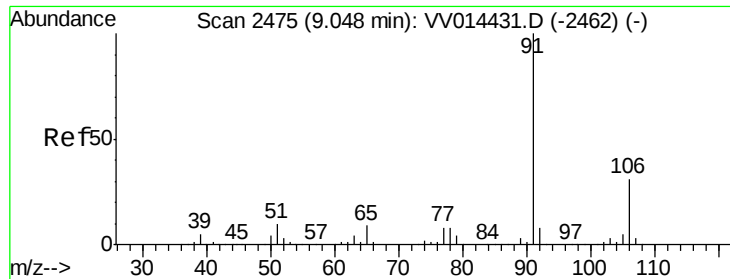
Tgt Ion:107 Resp: 47316
Ion Ratio Lower Upper
107 100
109 95.0 65.0 120.6
188 3.8 2.7 4.1



#51
Chlorobenzene
Concen: 5.162 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. 0.00 min
Lab File: VV014443.D
Acq: 30 Jan 2020 18:27

Tgt Ion:112 Resp: 207753
Ion Ratio Lower Upper
112 100
114 31.8 21.8 40.6
77 59.0 48.5 72.7





#52

Ethylbenzene

Concen: 5.192 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV014443.D

Acq: 30 Jan 2020 18:27

Instrument :

MSVOA_V

ClientSampled :

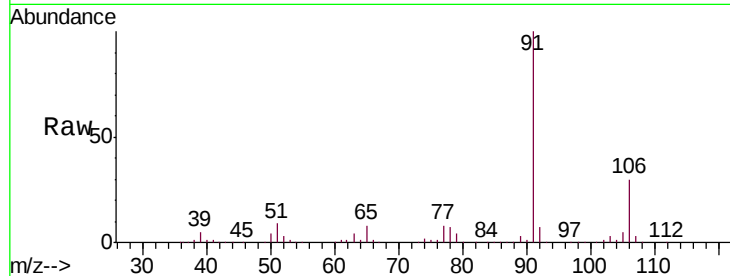
VSTD00553

Tgt Ion: 91 Resp: 378190

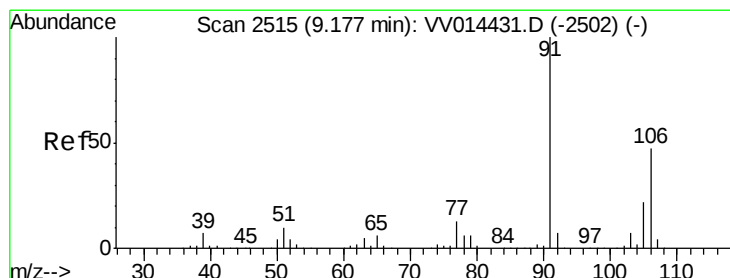
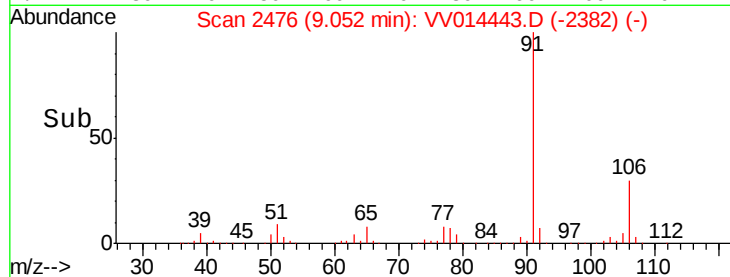
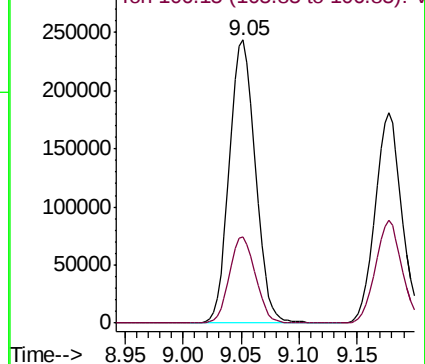
Ion Ratio Lower Upper

91 100

106 30.4 21.3 39.6



Abundance Ion 91.15 (90.85 to 91.85): VV014443.D (-2476) (-)



#53

m,p-xylene

Concen: 5.215 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV014443.D

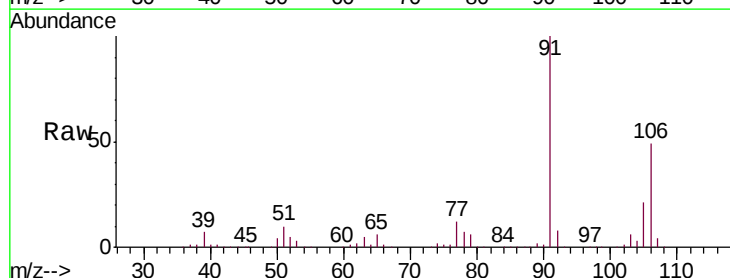
Acq: 30 Jan 2020 18:27

Tgt Ion: 106 Resp: 141504

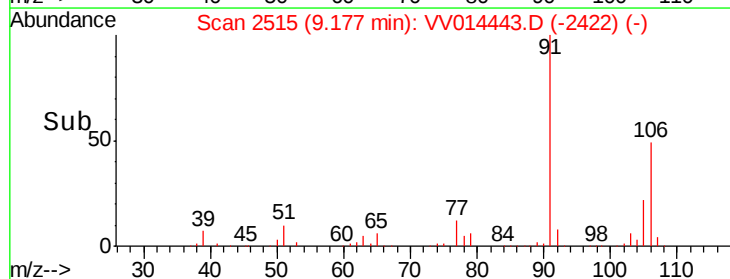
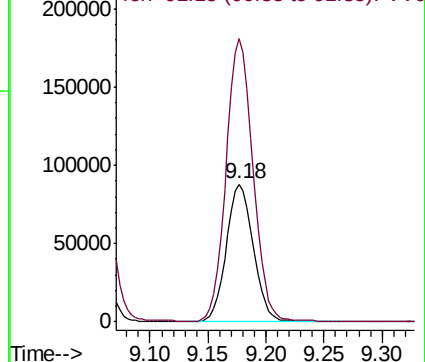
Ion Ratio Lower Upper

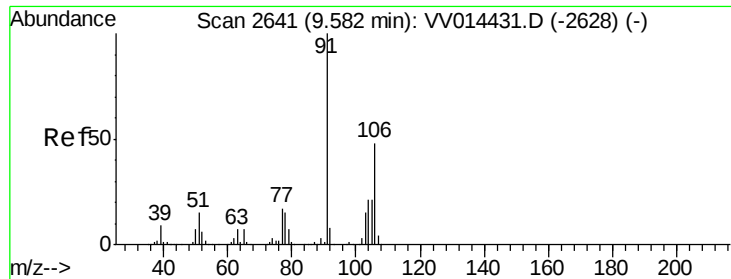
106 100

91 205.4 139.9 259.9



Abundance Ion 106.15 (105.85 to 106.85): VV014443.D (-2515) (-)

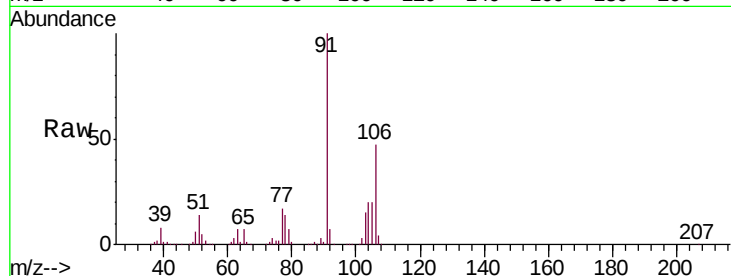




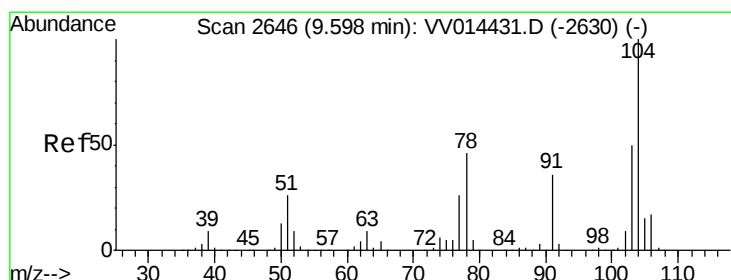
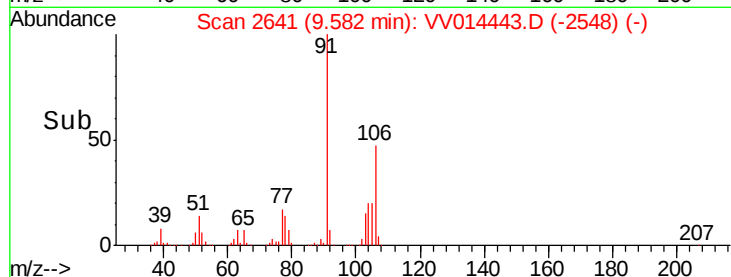
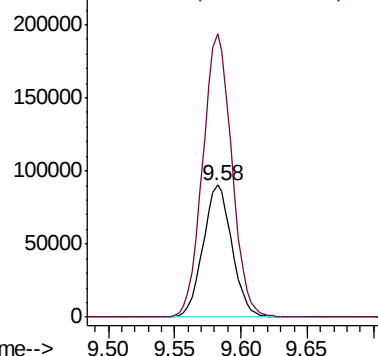
#54
o-xylene
Concen: 5.177 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV014443.D
Acq: 30 Jan 2020 18:27

Instrument :
MSVOA_V
ClientSampleId :
VSTD00553

Tgt Ion:106 Resp: 137161
Ion Ratio Lower Upper
106 100
91 214.1 145.9 271.1

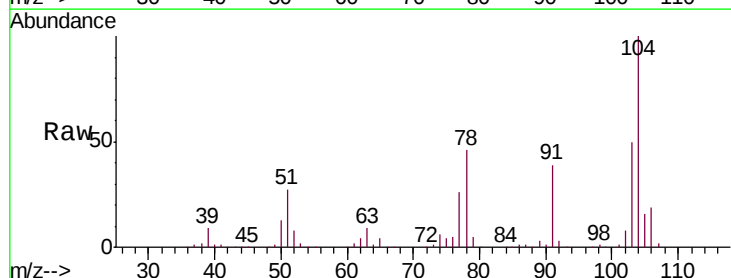


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

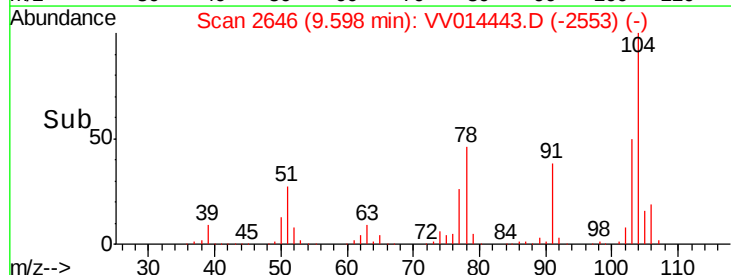
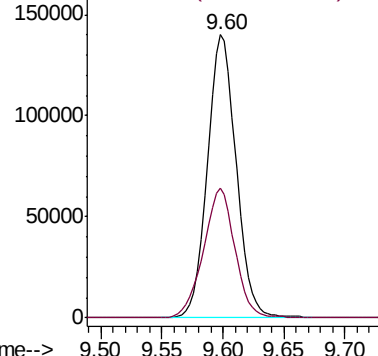


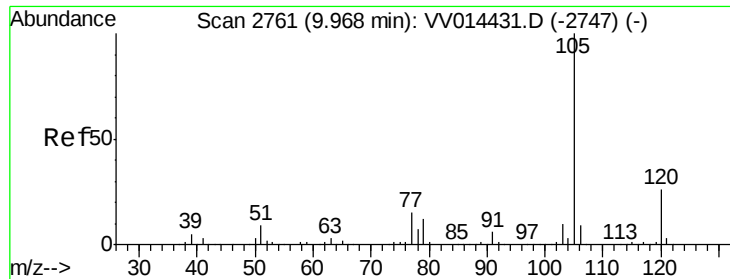
#55
Styrene
Concen: 5.265 ug/L
RT: 9.60 min Scan# 2646
Delta R.T. 0.00 min
Lab File: VV014443.D
Acq: 30 Jan 2020 18:27

Tgt Ion:104 Resp: 229013
Ion Ratio Lower Upper
104 100
78 45.9 32.3 60.1



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





#56

Isopropylbenzene

Concen: 5.267 ug/L

RT: 9.97 min Scan# 2761

Delta R.T. 0.00 min

Lab File: VV014443.D

Acq: 30 Jan 2020 18:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD00553

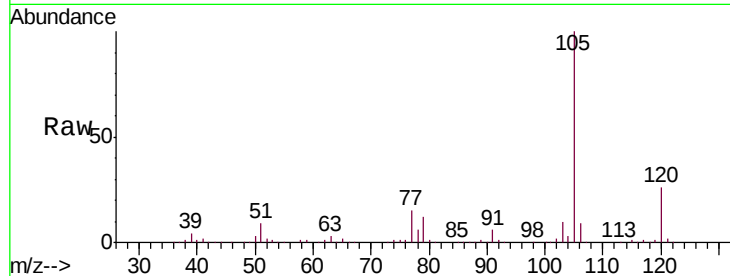
Tgt Ion: 105 Resp: 365856

Ion Ratio Lower Upper

105 100

120 26.1 21.3 31.9

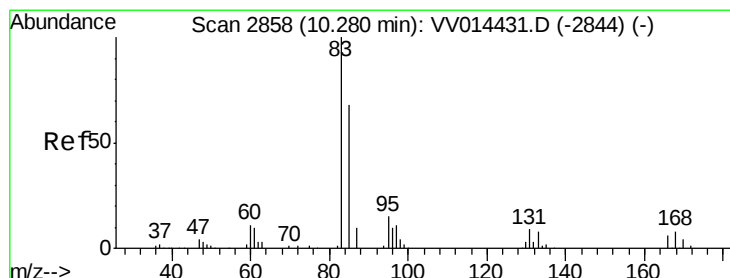
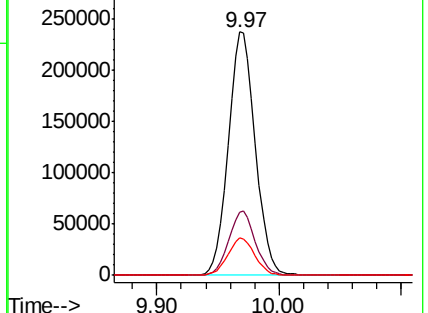
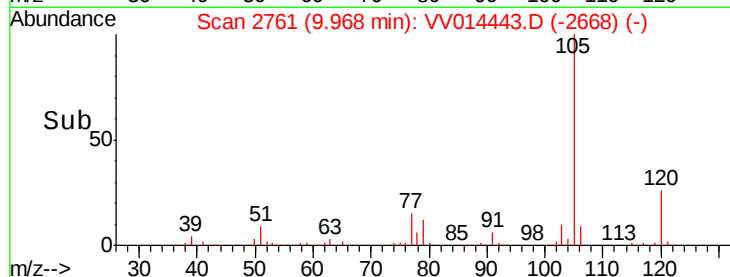
77 15.4 12.8 19.2



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: 5.372 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. 0.00 min

Lab File: VV014443.D

Acq: 30 Jan 2020 18:27

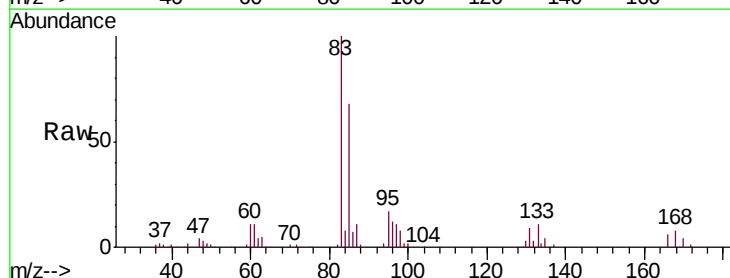
Tgt Ion: 83 Resp: 61193

Ion Ratio Lower Upper

83 100

85 67.5 45.3 84.1

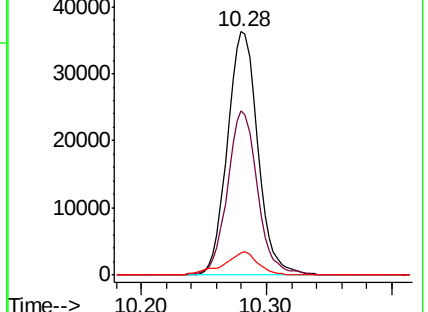
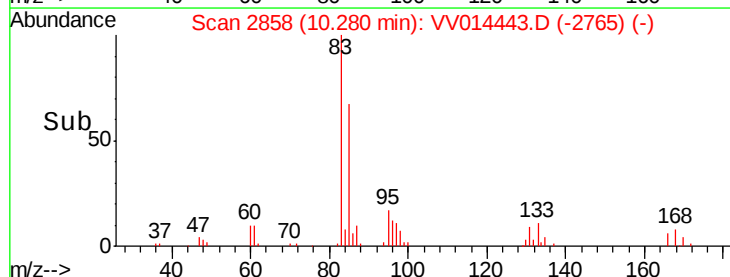
131 9.4 7.9 11.9

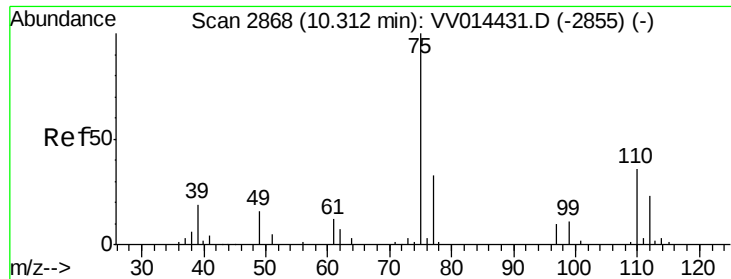


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.248 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV014443.D

Acq: 30 Jan 2020 18:27

Instrument :

MSVOA_V

ClientSampleId :

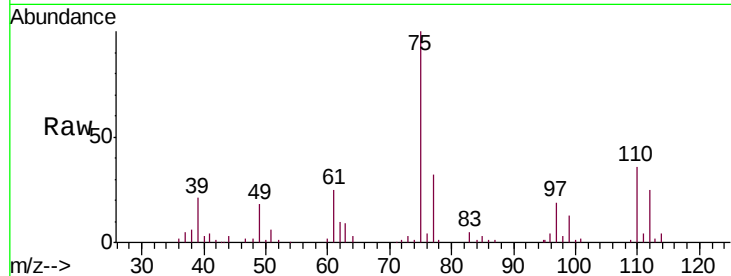
VSTD00553

Tgt Ion: 75 Resp: 43886

Ion Ratio Lower Upper

75 100

77 31.9 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VV014443.D (-2855) (-)

Ion 77.00 (76.70 to 77.70): VV014443.D (-2855) (-)

10.32

30000

25000

20000

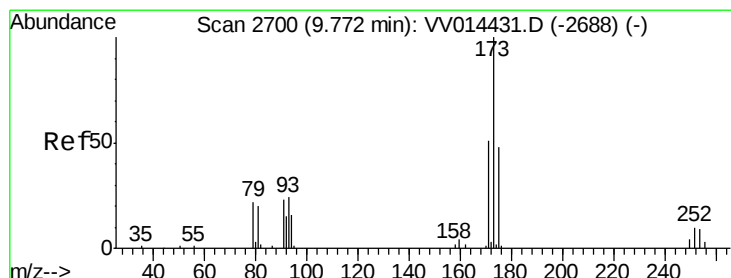
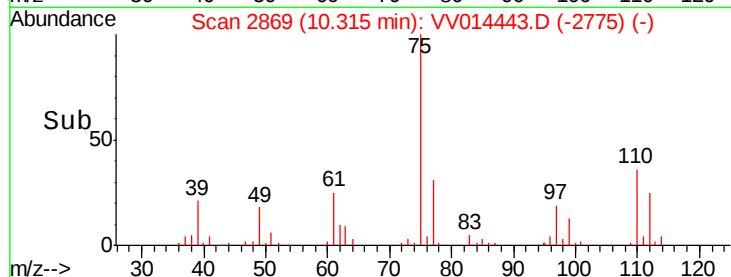
15000

10000

5000

0

Time-->



#61

Bromoform

Concen: 5.068 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VV014443.D

Acq: 30 Jan 2020 18:27

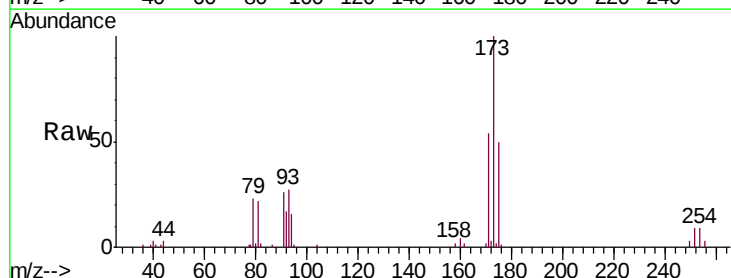
Tgt Ion: 173 Resp: 28616

Ion Ratio Lower Upper

173 100

175 48.2 38.9 58.3

254 8.6 7.0 10.4



Abundance Ion 172.90 (172.60 to 173.60): VV014443.D (-2688) (-)

Ion 174.90 (174.60 to 175.60): VV014443.D (-2688) (-)

Ion 253.75 (253.45 to 254.45): VV014443.D (-2688) (-)

9.77

20000

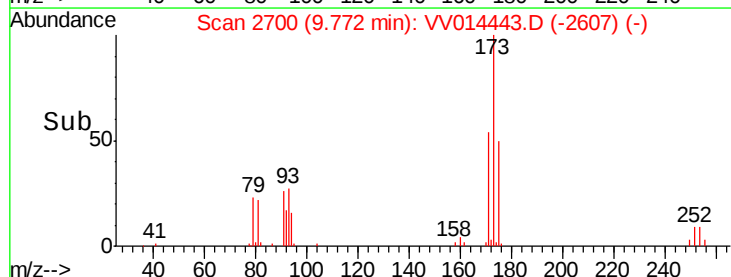
15000

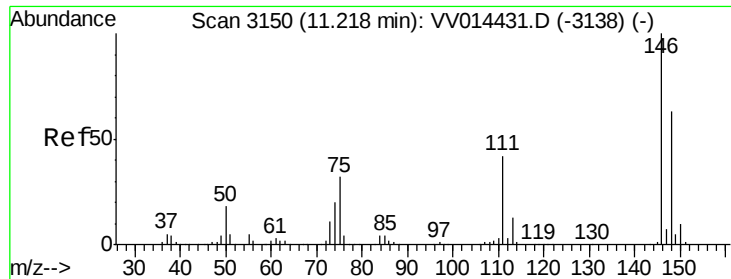
10000

5000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 5.257 ug/L

RT: 11.22 min Scan# 3150

Delta R.T. 0.00 min

Lab File: VV014443.D

Acq: 30 Jan 2020 18:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD00553

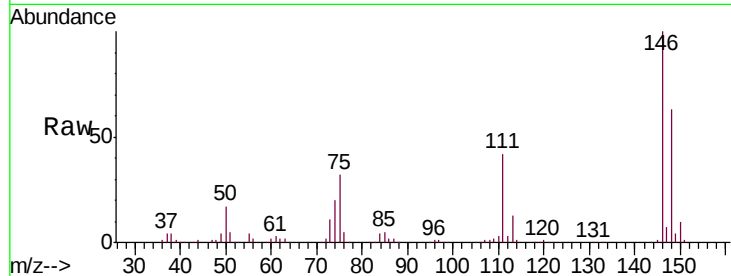
Tgt Ion:146 Resp: 158923

Ion Ratio Lower Upper

146 100

111 41.6 29.5 54.7

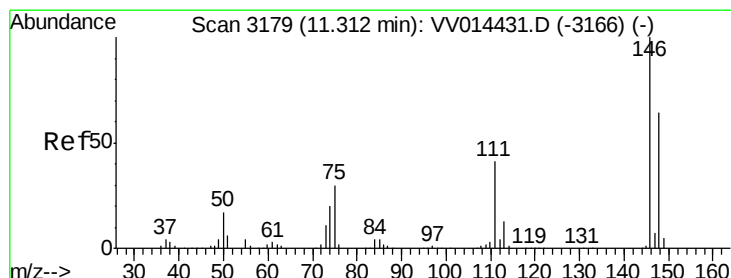
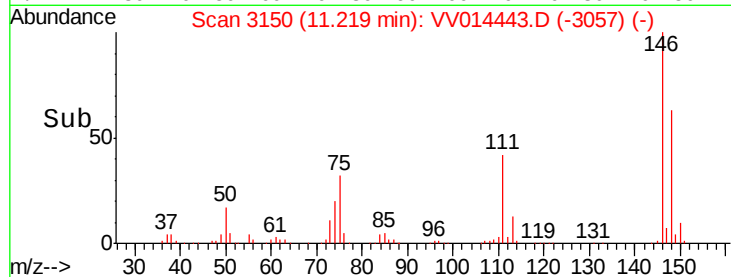
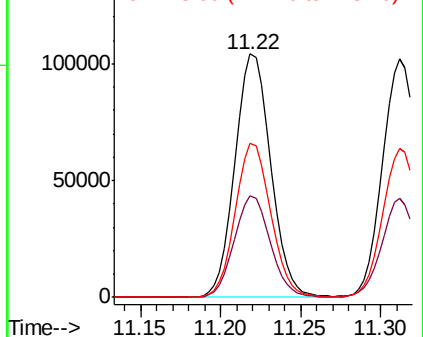
148 63.1 44.7 83.1



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: 5.261 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. 0.00 min

Lab File: VV014443.D

Acq: 30 Jan 2020 18:27

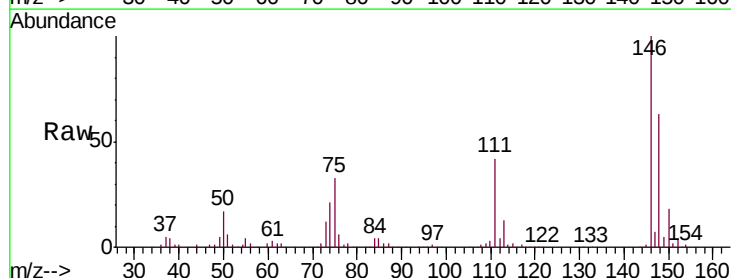
Tgt Ion:146 Resp: 158576

Ion Ratio Lower Upper

146 100

111 41.5 27.9 51.7

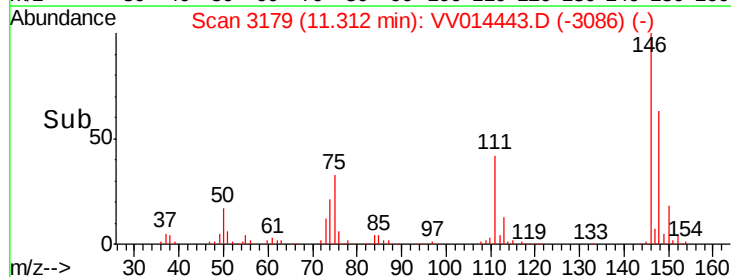
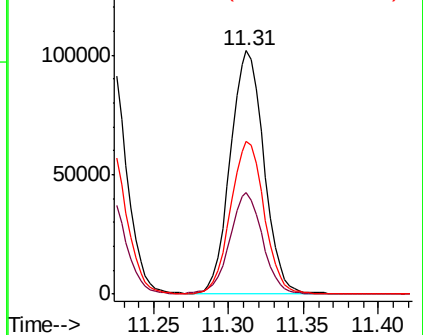
148 62.7 44.3 82.3

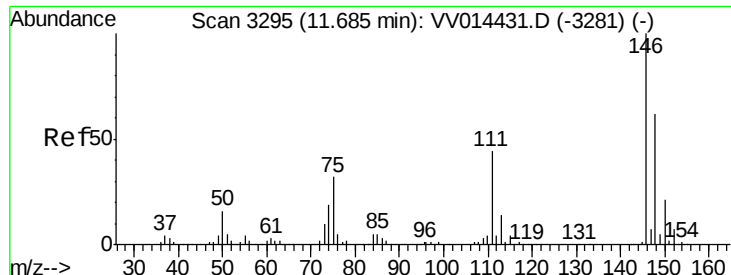


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.208 ug/L

RT: 11.68 min Scan# 3295

Delta R.T. 0.00 min

Lab File: VV014443.D

Acq: 30 Jan 2020 18:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD00553

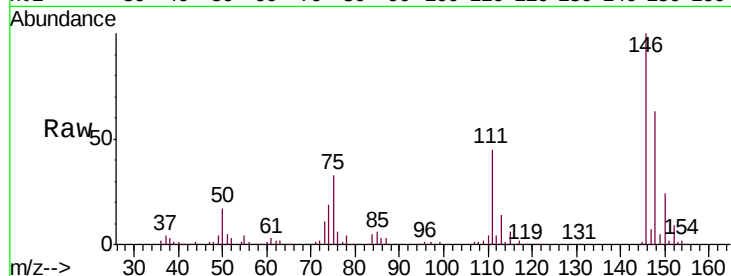
Tgt Ion:146 Resp: 142100

Ion Ratio Lower Upper

146 100

111 44.9 35.0 52.6

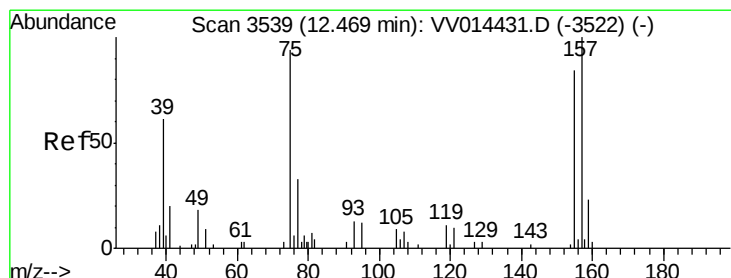
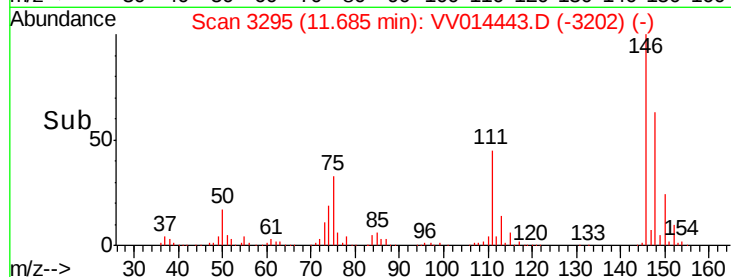
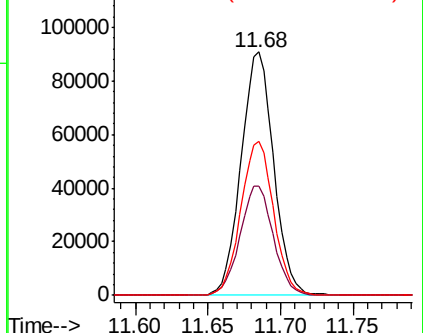
148 63.0 50.9 76.3



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



#66

1,2-Dibromo-3-chloropropane

Concen: 4.476 ug/L

RT: 12.47 min Scan# 3539

Delta R.T. 0.00 min

Lab File: VV014443.D

Acq: 30 Jan 2020 18:27

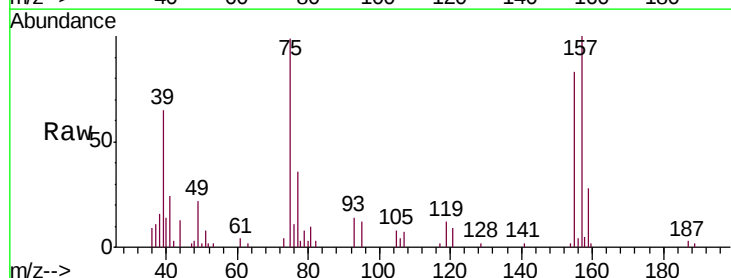
Tgt Ion: 75 Resp: 9643

Ion Ratio Lower Upper

75 100

155 83.3 61.8 92.8

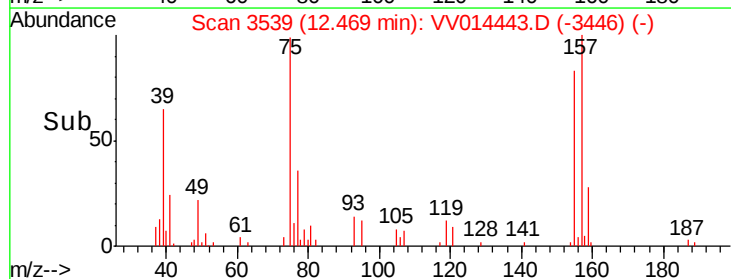
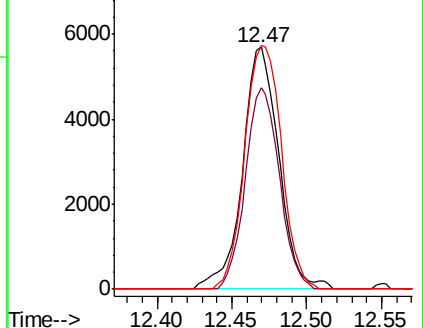
157 100.6 76.6 114.8

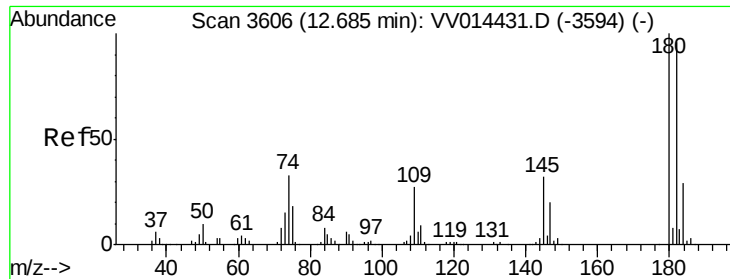


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

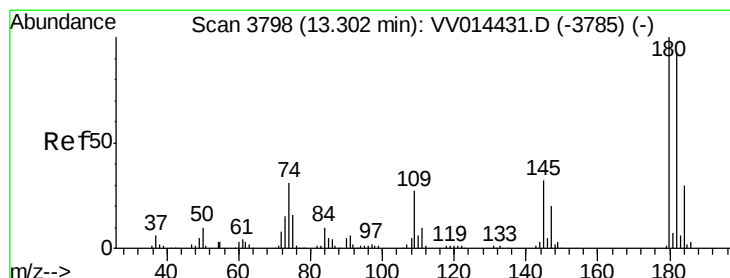
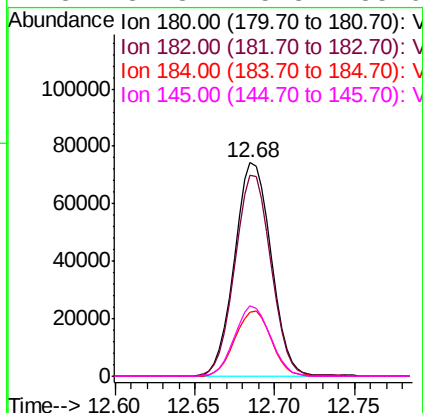
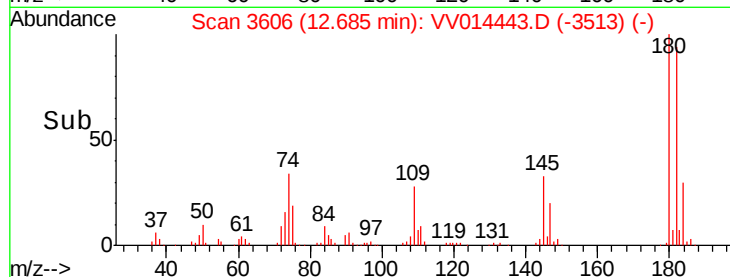
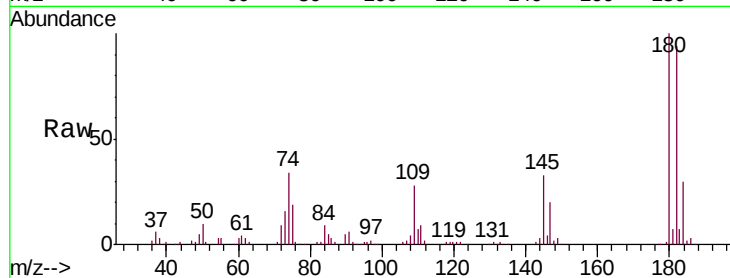




#67
 1,3,5-Trichlorobenzene
 Concen: 5.184 ug/L
 RT: 12.68 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VV014443.D
 Acq: 30 Jan 2020 18:27

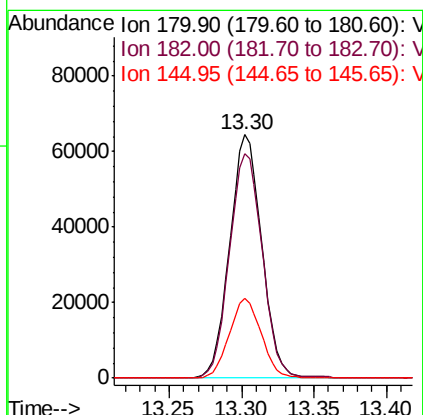
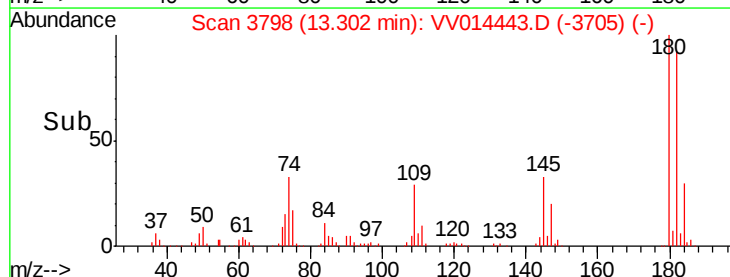
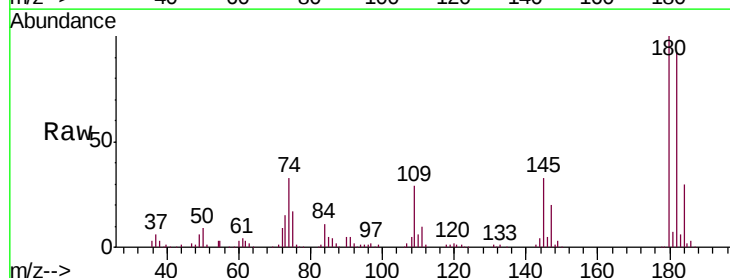
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00553

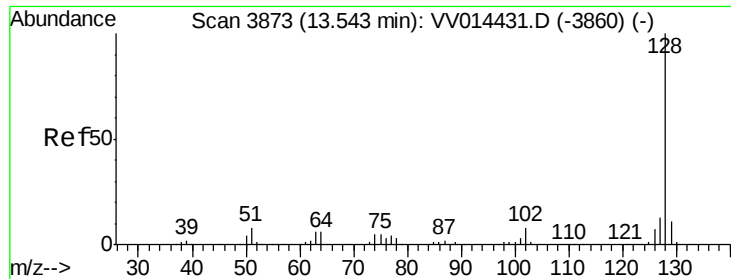
Tgt Ion:180 Resp: 115678
 Ion Ratio Lower Upper
 180 100
 182 93.0 76.5 114.7
 184 30.3 23.7 35.5
 145 32.3 25.8 38.6



#68
 1,2,4-trichlorobenzene
 Concen: 5.266 ug/L
 RT: 13.30 min Scan# 3798
 Delta R.T. 0.00 min
 Lab File: VV014443.D
 Acq: 30 Jan 2020 18:27

Tgt Ion:180 Resp: 98794
 Ion Ratio Lower Upper
 180 100
 182 94.7 75.5 113.3
 145 32.8 26.8 40.2





#69

Naphthalene

Concen: 5.292 ug/L

RT: 13.54 min Scan# 3873

Delta R.T. 0.00 min

Lab File: VV014443.D

Acq: 30 Jan 2020 18:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD00553

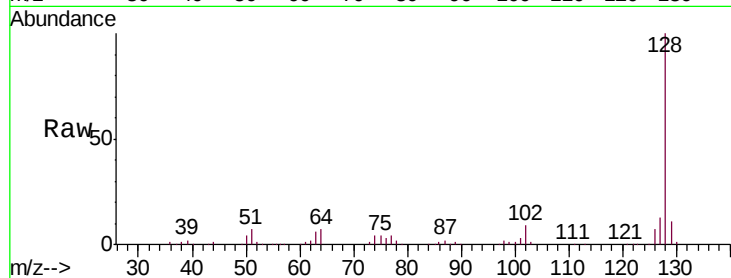
Tgt Ion:128 Resp: 174751

Ion Ratio Lower Upper

128 100

129 10.7 9.0 13.6

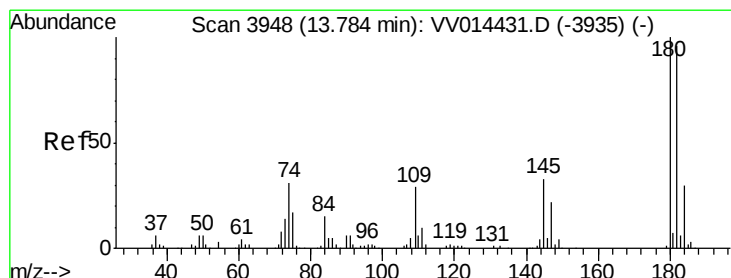
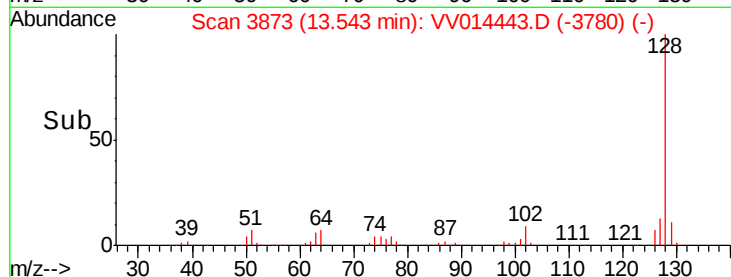
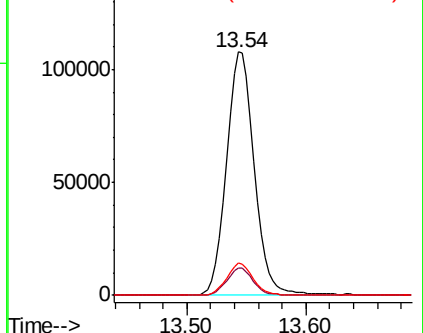
127 12.7 10.3 15.5



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: 5.389 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VV014443.D

Acq: 30 Jan 2020 18:27

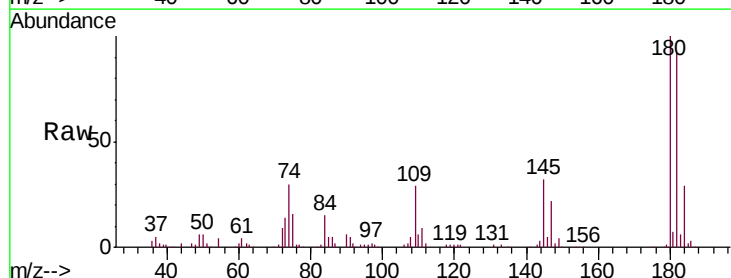
Tgt Ion:180 Resp: 87417

Ion Ratio Lower Upper

180 100

182 92.4 76.0 114.0

145 33.0 27.6 41.4



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

