

Data File : VV013638.D
Acq On : 15 Nov 2019 13:30
Operator : SY/MD
Sample : VSTD00533
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00533

Quant Time: Nov 15 23:07:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Nov 15 23:03:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	400978	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	382175	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	206941	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	117859	4.69	ug/L	0.00
7) Chloroethane-d5	1.58	69	104267	5.08	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	207610	4.76	ug/L	0.00
20) 2-Butanone-d5	3.96	46	285064	59.31	ug/L	0.00
24) Chloroform-d	4.40	84	257454	5.67	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	126372	5.65	ug/L	0.00
32) Benzene-d6	5.09	84	507326	5.38	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.11	67	152223	4.84	ug/L	0.00
41) Toluene-d8	7.35	98	487712	5.25	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	58152	4.94	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	228967	49.31	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	111113	5.02	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	182360	4.99	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	183104	4.880 ug/L	100
3) Chloromethane	1.25	50	172456	5.066 ug/L	100
5) Vinyl chloride	1.32	62	164148	4.946 ug/L	100
6) Bromomethane	1.53	94	100077	5.365 ug/L	100
8) Chloroethane	1.60	64	95877	5.267 ug/L	100
9) Trichlorofluoromethane	1.77	101	221234	4.942 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	123285	4.871 ug/L	100
12) 1,1-Dichloroethene	2.14	96	117180	4.947 ug/L	100
13) Acetone	2.23	43	183466	57.467 ug/L	100
14) Carbon disulfide	2.31	76	401240	5.649 ug/L	100
15) Methyl Acetate	2.47	43	49724	5.235 ug/L	100
16) Methylene chloride	2.53	84	145375	5.439 ug/L	100
17) Methyl tert-butyl Ether	2.81	73	299129	5.314 ug/L	100
18) trans-1,2-Dichloroethene	2.79	96	141528	5.466 ug/L	100
19) 1,1-Dichloroethane	3.23	63	258463	5.524 ug/L	100
21) 2-Butanone	4.05	43	318198	54.916 ug/L	100
22) cis-1,2-Dichloroethene	3.96	96	148432	5.285 ug/L	100
23) Bromochloromethane	4.30	128	67934	5.407 ug/L	100
25) Chloroform	4.42	83	291567	5.010 ug/L	100
27) 1,2-Dichloroethane	5.18	62	160178	5.165 ug/L	100
29) 1,1,1-Trichloroethane	4.65	97	225383	5.263 ug/L	100
30) Cyclohexane	4.72	56	227539	5.321 ug/L	100
31) Carbon tetrachloride	4.87	117	209538	5.424 ug/L	100
33) Benzene	5.14	78	584563	5.171 ug/L	100
34) Trichloroethene	5.96	95	150390	4.734 ug/L	100
35) Methylcyclohexane	6.17	83	235299	5.042 ug/L	100
37) 1,2-Dichloropropane	6.22	63	142131	4.879 ug/L	100
38) Bromodichloromethane	6.55	83	184758	4.637 ug/L	100
39) cis-1,3-Dichloropropene	7.07	75	204170	4.989 ug/L	100
40) 4-Methyl-2-pentanone	7.27	43	825557	50.153 ug/L	100

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Quant Title : TRACE VOA SOM01.0
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	635708	5.168	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	155600	5.037	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	100642	4.804	ug/L	100
47) Tetrachloroethene	8.01	164	141252	4.870	ug/L	100
48) 2-Hexanone	8.19	43	590089	51.596	ug/L	100
49) Dibromochloromethane	8.29	129	124841	4.752	ug/L	100
50) 1,2-Dibromoethane	8.39	107	95233	4.952	ug/L	100
51) Chlorobenzene	8.92	112	402846	4.986	ug/L	100
52) Ethylbenzene	9.05	91	660093	5.086	ug/L	100
53) m,p-xylene	9.18	106	260140	5.262	ug/L	100
54) o-xylene	9.58	106	247663	5.316	ug/L	100
55) Styrene	9.60	104	426949	5.327	ug/L	100
56) Isopropylbenzene	9.97	105	655804	5.278	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	113193	4.914	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	83855	4.720	ug/L	100
61) Bromoform	9.77	173	74557	4.745	ug/L	100
62) 1,3-Dichlorobenzene	11.22	146	332966	4.928	ug/L	100
63) 1,4-Dichlorobenzene	11.31	146	332446	4.804	ug/L	100
65) 1,2-Dichlorobenzene	11.68	146	307993	4.923	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.47	75	17164	4.483	ug/L	100
67) 1,3,5-Trichlorobenzene	12.69	180	267367	4.850	ug/L	100
68) 1,2,4-trichlorobenzene	13.30	180	212298	4.901	ug/L	100
69) Naphthalene	13.55	128	282559	5.072	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	202850	5.061	ug/L	100

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

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```
ALS Vial      : 5      Sample Multiplier: 1
```

Instrument :
MSVOA_V
ClientSampleId :
VSTD00533

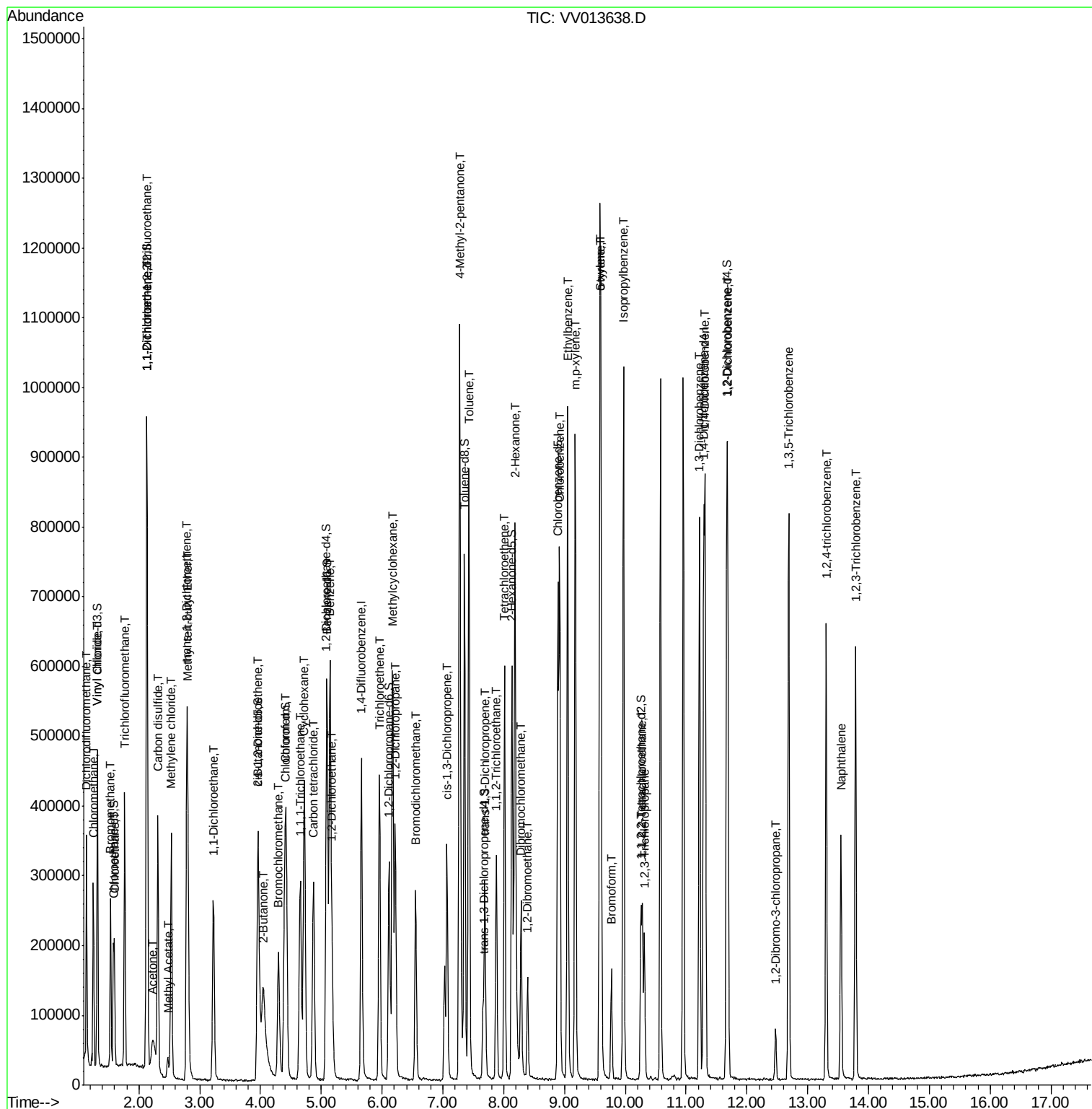
Quant Time: Nov 15 23:07:56 2019

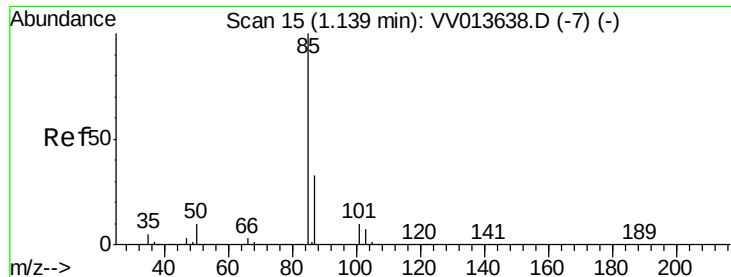
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVTR111519WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Fri Nov 15 23:03:18 2019

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#2

Dichlorodifluoromethane

Concen: 4.880 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

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Acq: 15 Nov 2019 13:30

Instrument :

MSVOA_V

ClientSampleId :

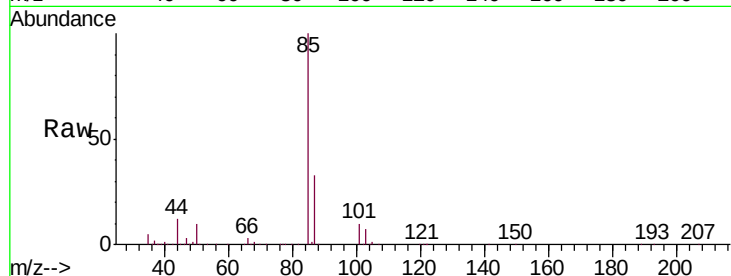
VSTD00533

Tgt Ion: 85 Resp: 183104

Ion Ratio Lower Upper

85 100

87 32.5 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VV013638.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV013638.D (-7) (-)

1.14

200000

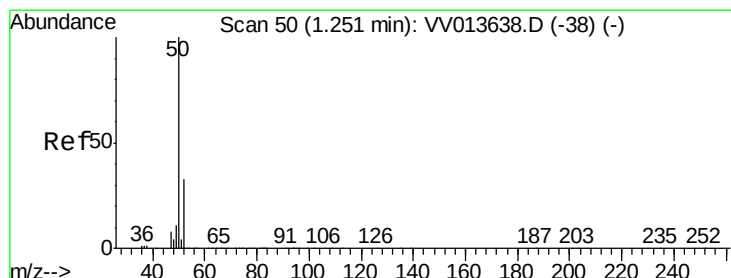
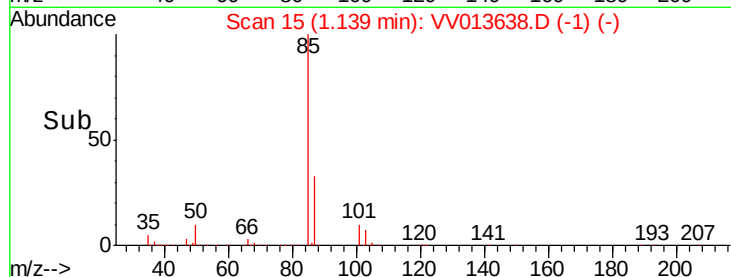
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 5.066 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV013638.D

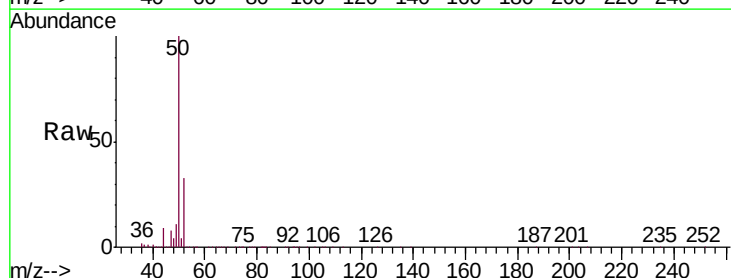
Acq: 15 Nov 2019 13:30

Tgt Ion: 50 Resp: 172456

Ion Ratio Lower Upper

50 100

52 33.4 23.4 43.4



Abundance Ion 50.05 (49.75 to 50.75): VV013638.D (-38) (-)

Ion 52.05 (51.75 to 52.75): VV013638.D (-38) (-)

1.25

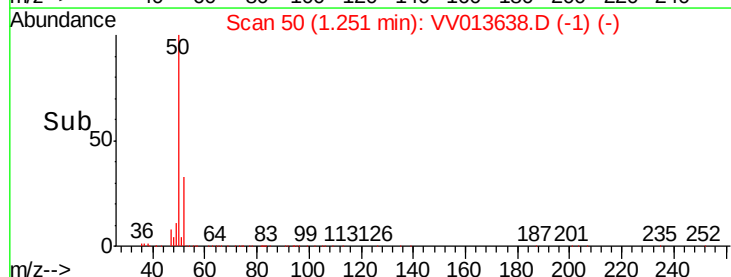
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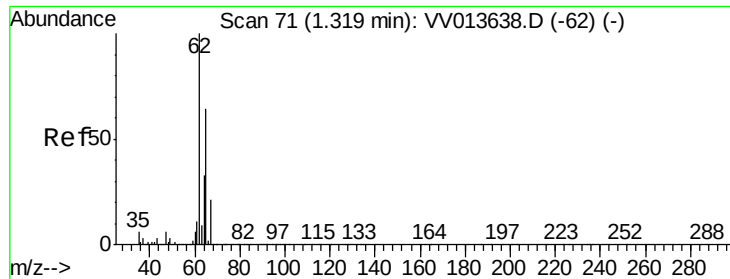
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50000

0

Time-->





#5

Vinyl chloride

Concen: 4.946 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV013638.D

Acq: 15 Nov 2019 13:30

Instrument :

MSVOA_V

ClientSampleId :

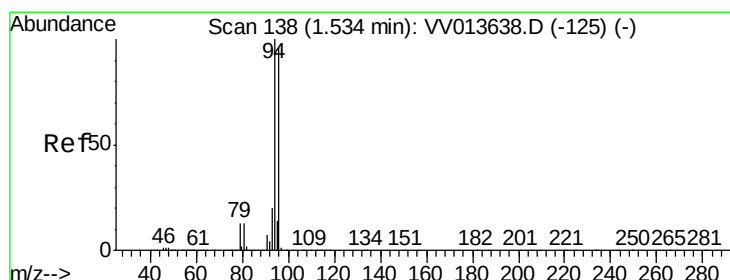
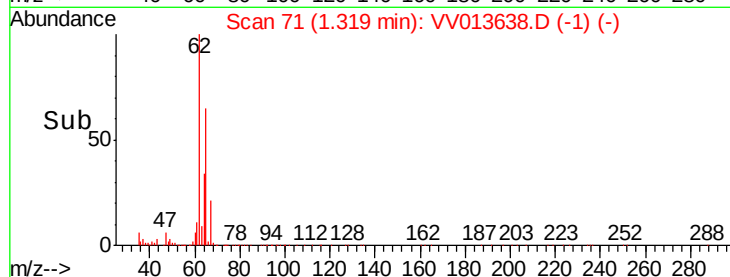
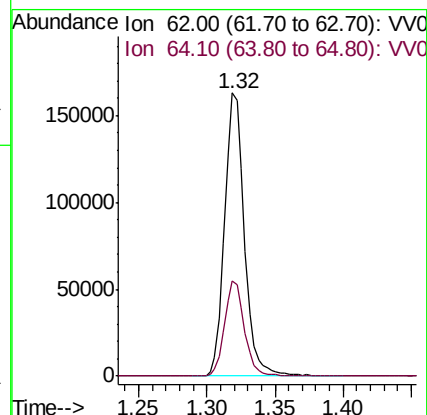
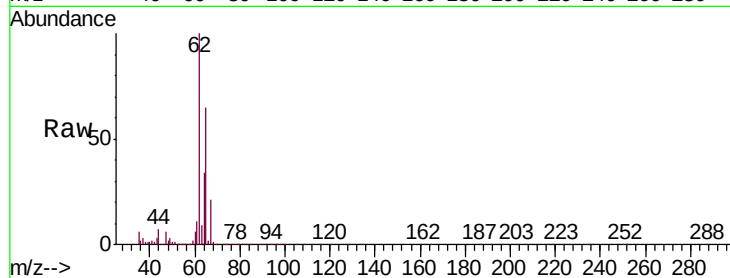
VSTD00533

Tgt Ion: 62 Resp: 164148

Ion Ratio Lower Upper

62 100

64 33.5 23.4 43.6



#6

Bromomethane

Concen: 5.365 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV013638.D

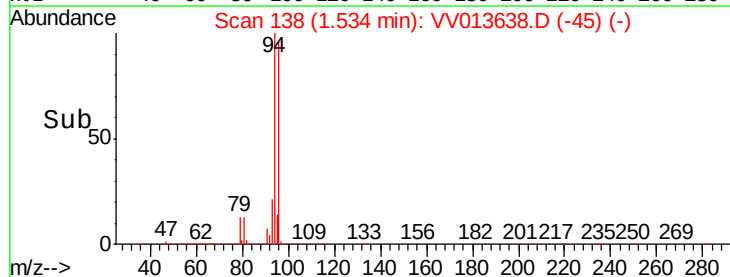
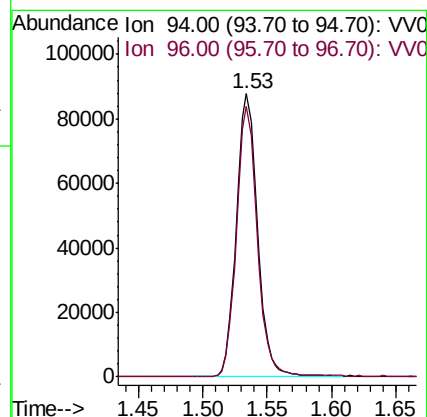
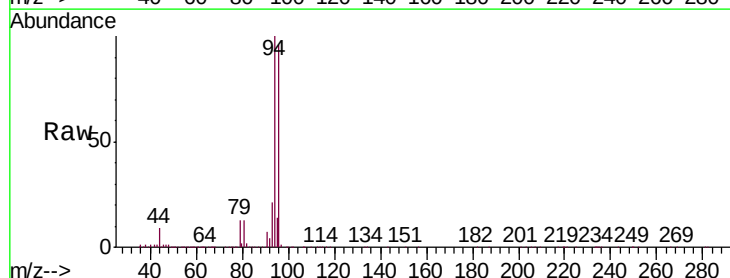
Acq: 15 Nov 2019 13:30

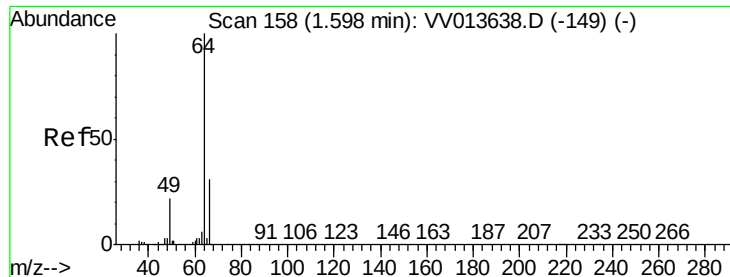
Tgt Ion: 94 Resp: 100077

Ion Ratio Lower Upper

94 100

96 95.7 67.0 124.4

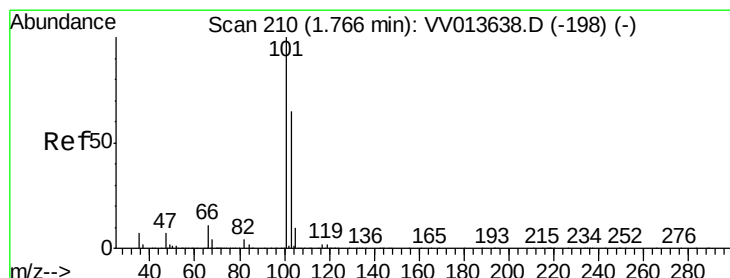
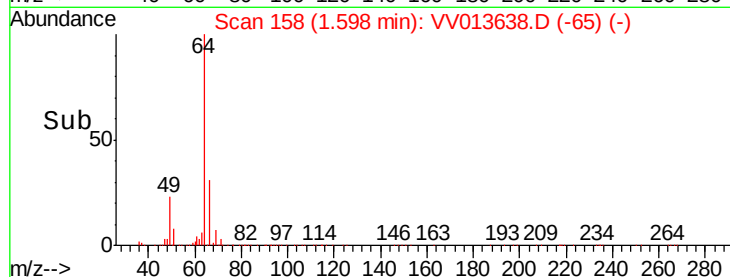
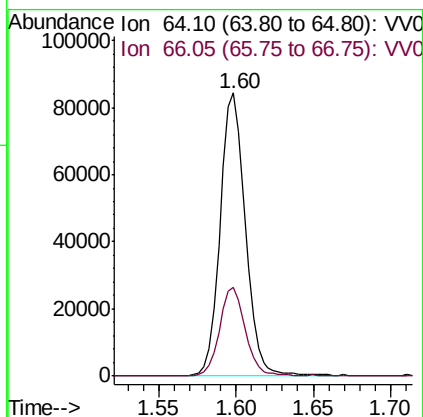
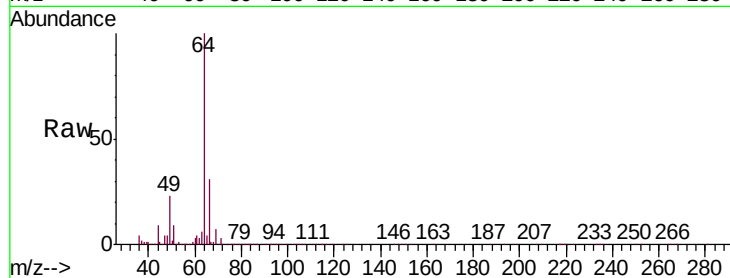




#8
Chloroethane
Concen: 5.267 ug/L
RT: 1.60 min Scan# 158
Delta R.T. 0.00 min
Lab File: VV013638.D
Acq: 15 Nov 2019 13:30

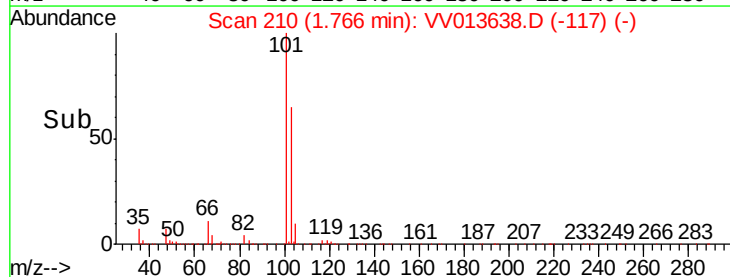
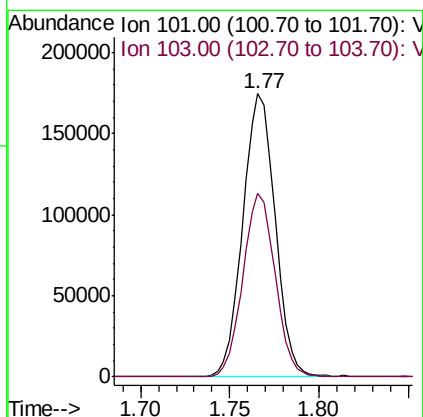
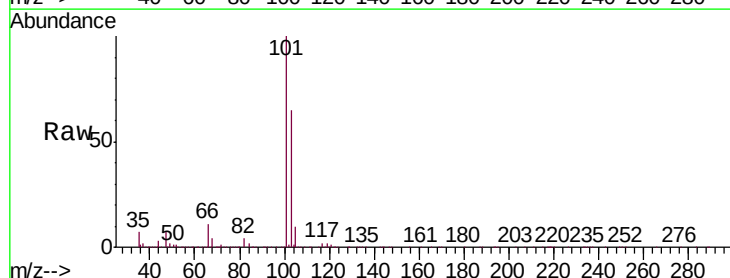
Instrument :
MSVOA_V
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VSTD00533

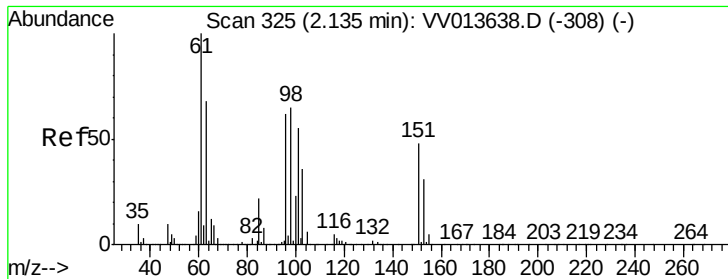
Tgt Ion: 64 Resp: 95877
Ion Ratio Lower Upper
64 100
66 31.3 21.9 40.7



#9
Trichlorofluoromethane
Concen: 4.942 ug/L
RT: 1.77 min Scan# 210
Delta R.T. 0.00 min
Lab File: VV013638.D
Acq: 15 Nov 2019 13:30

Tgt Ion: 101 Resp: 221234
Ion Ratio Lower Upper
101 100
103 64.5 51.6 77.4





#10

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

Concen: 4.871 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV013638.D

Acq: 15 Nov 2019 13:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD00533

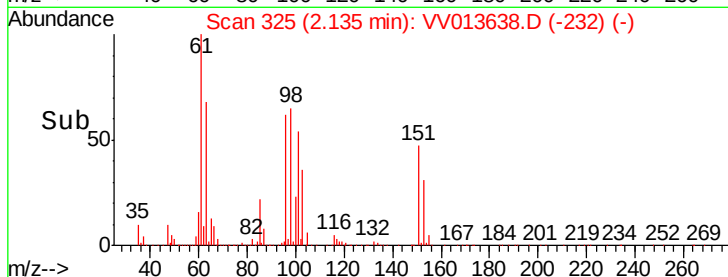
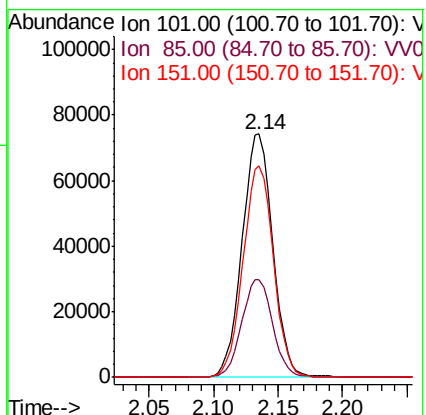
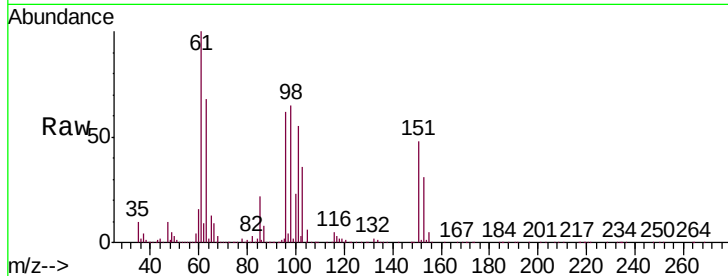
Tgt Ion: 101 Resp: 123285

Ion Ratio Lower Upper

101 100

85 40.0 32.0 48.0

151 86.3 69.0 103.6



#12

1,1-Dichloroethene

Concen: 4.947 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV013638.D

Acq: 15 Nov 2019 13:30

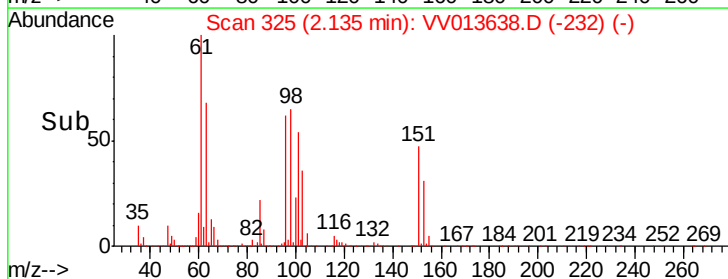
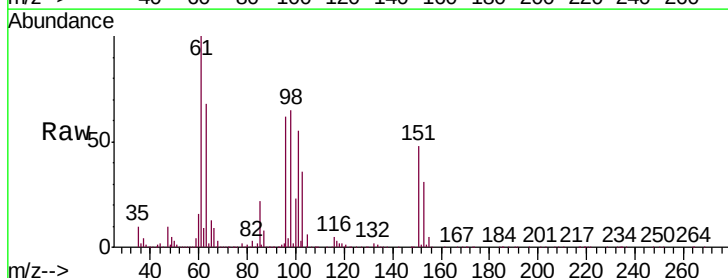
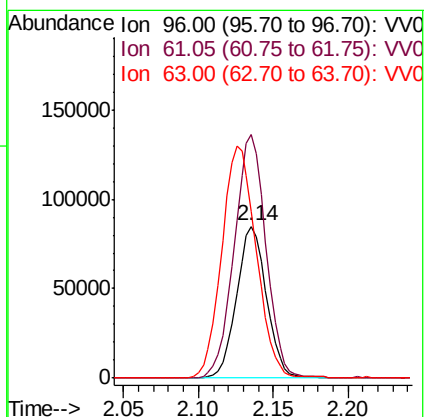
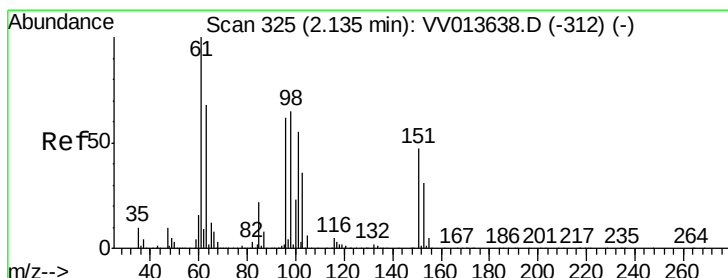
Tgt Ion: 96 Resp: 117180

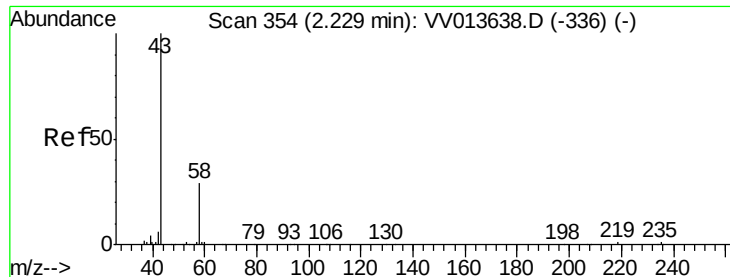
Ion Ratio Lower Upper

96 100

61 160.7 112.5 208.9

63 109.8 76.9 142.7





#13

Acetone

Concen: 57.467 ug/L

RT: 2.23 min Scan# 354

Delta R.T. 0.00 min

Lab File: VV013638.D

Acq: 15 Nov 2019 13:30

Instrument :

MSVOA_V

ClientSampleId :

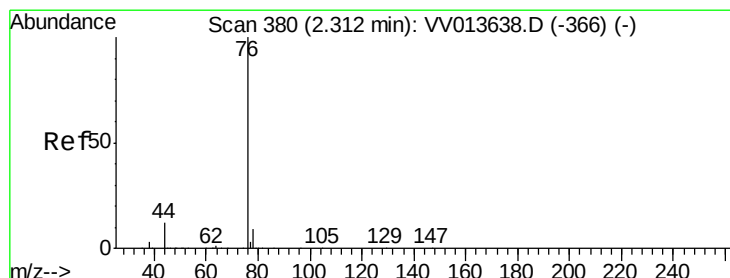
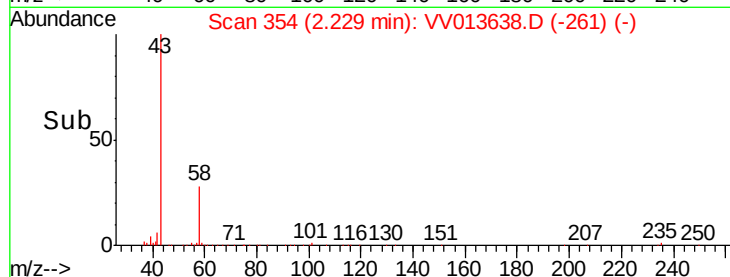
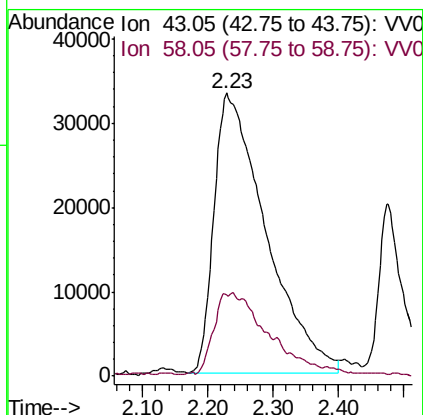
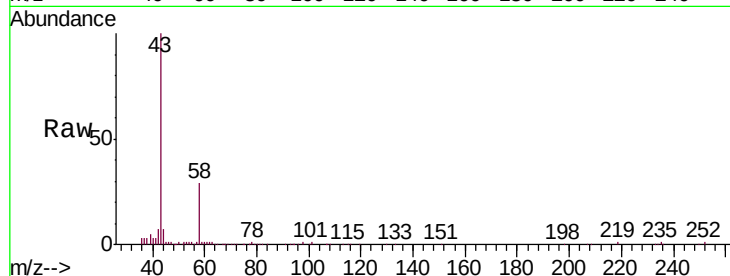
VSTD00533

Tgt Ion: 43 Resp: 183466

Ion Ratio Lower Upper

43 100

58 8.5 0.0 17.0



#14

Carbon disulfide

Concen: 5.649 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV013638.D

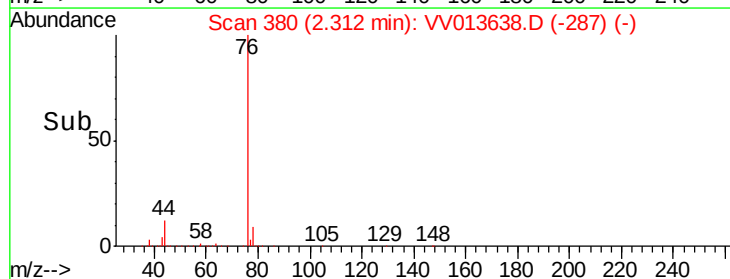
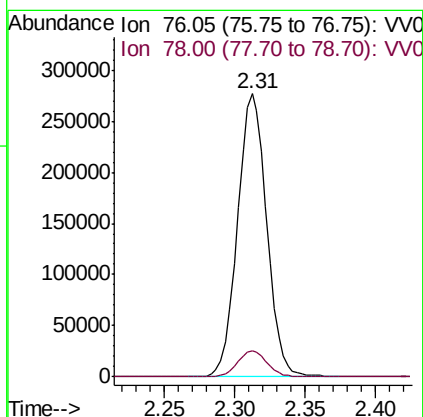
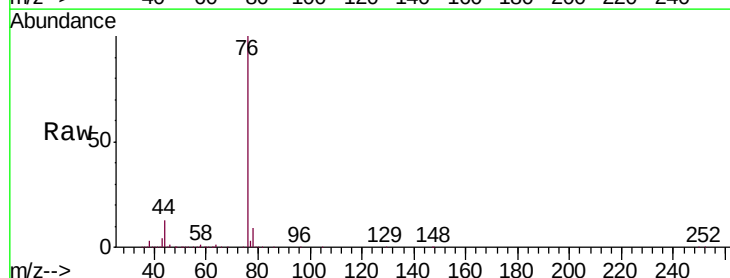
Acq: 15 Nov 2019 13:30

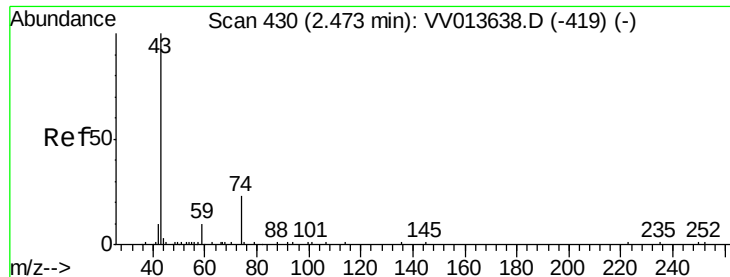
Tgt Ion: 76 Resp: 401240

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2

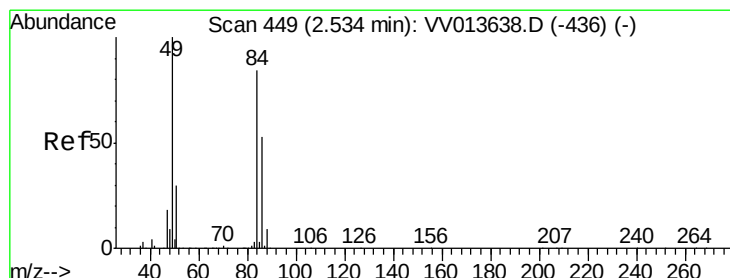
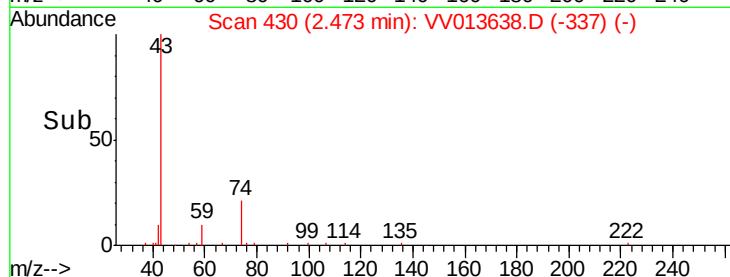
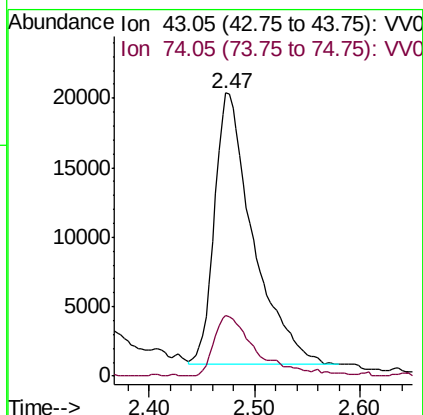
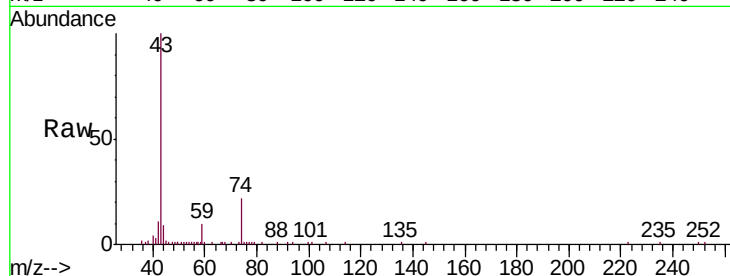




#15
Methyl Acetate
Concen: 5.235 ug/L
RT: 2.47 min Scan# 430
Delta R.T. 0.00 min
Lab File: VV013638.D
Acq: 15 Nov 2019 13:30

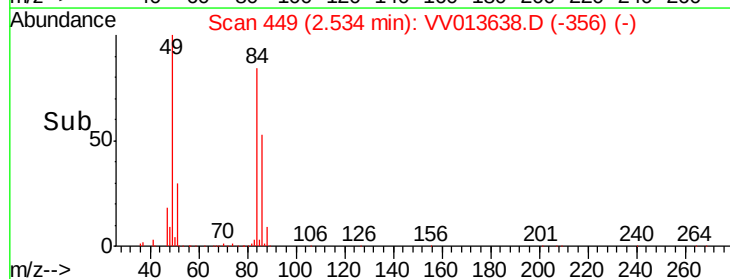
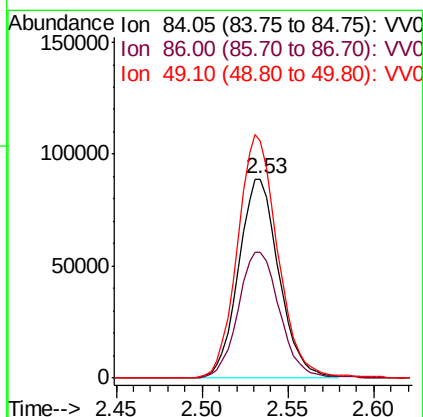
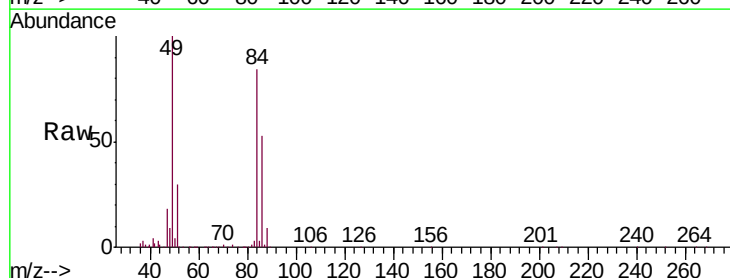
Instrument :
MSVOA_V
ClientSampleId :
VSTD00533

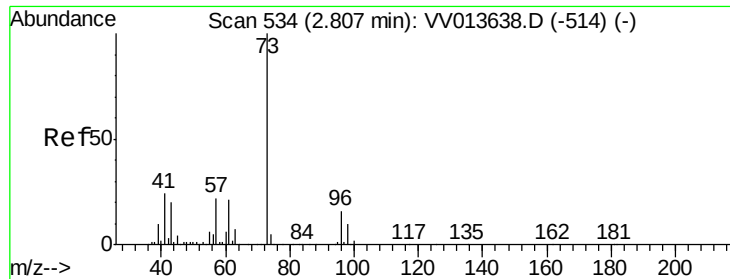
Tgt Ion: 43 Resp: 49724
Ion Ratio Lower Upper
43 100
74 23.6 18.9 28.3



#16
Methylene chloride
Concen: 5.439 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV013638.D
Acq: 15 Nov 2019 13:30

Tgt Ion: 84 Resp: 145375
Ion Ratio Lower Upper
84 100
86 63.0 44.1 81.9
49 119.2 83.4 155.0

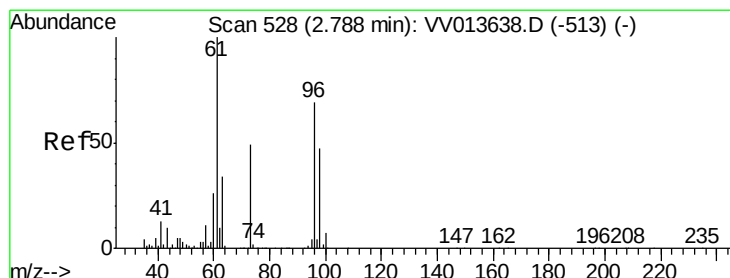
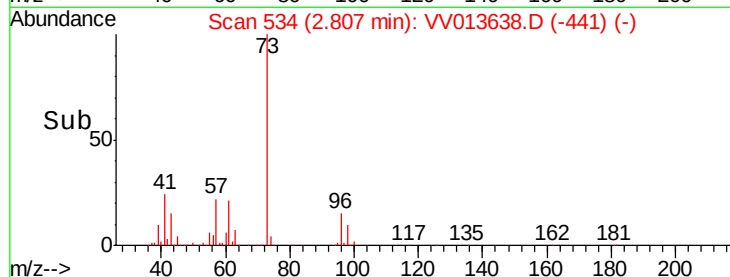
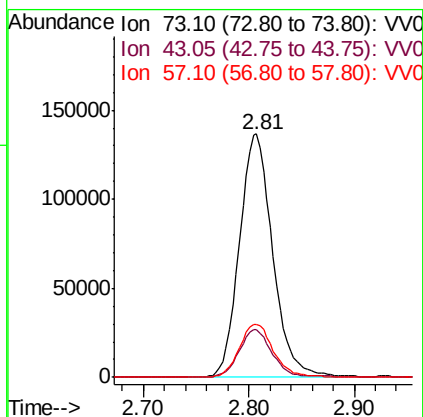
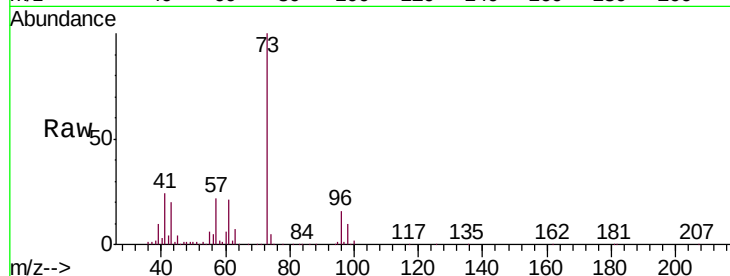




#17
Methyl tert-butyl Ether
Concen: 5.314 ug/L
RT: 2.81 min Scan# 534
Delta R.T. 0.00 min
Lab File: VV013638.D
Acq: 15 Nov 2019 13:30

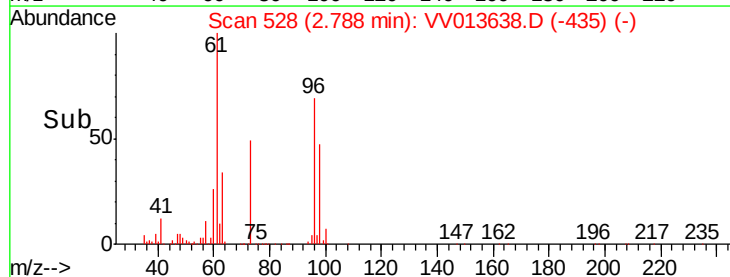
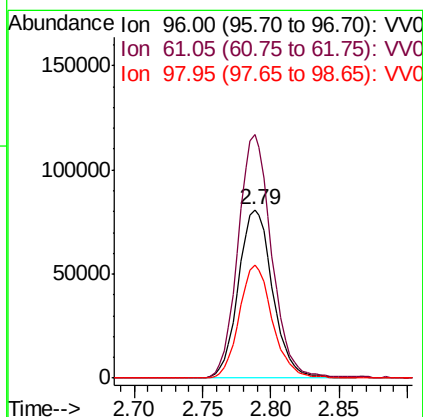
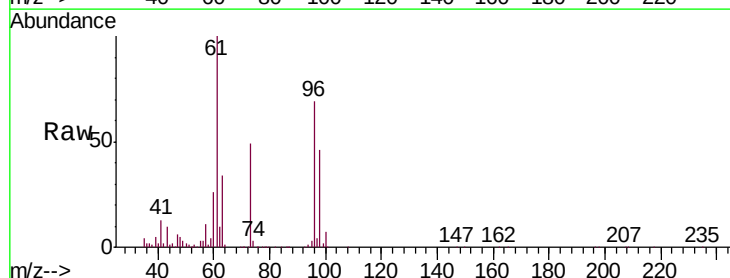
Instrument :
MSVOA_V
ClientSampleId :
VSTD00533

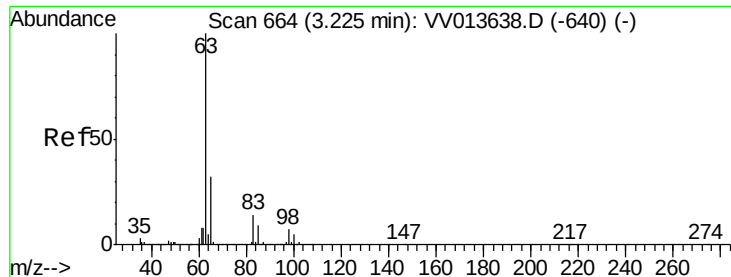
Tgt Ion	Ratio	Lower	Upper
73	100		
43	19.2	15.4	23.0
57	22.6	18.1	27.1



#18
trans-1,2-Dichloroethene
Concen: 5.466 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV013638.D
Acq: 15 Nov 2019 13:30

Tgt Ion	Ratio	Lower	Upper
96	100		
61	144.3	101.0	187.6
98	67.1	47.0	87.2

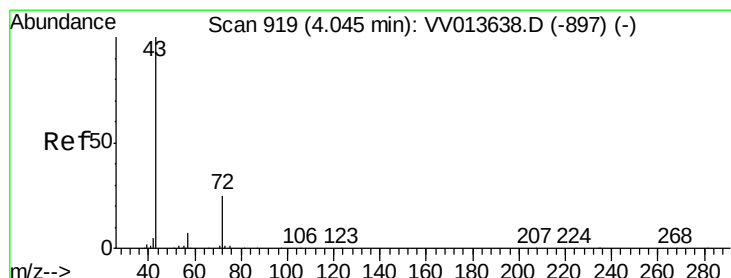
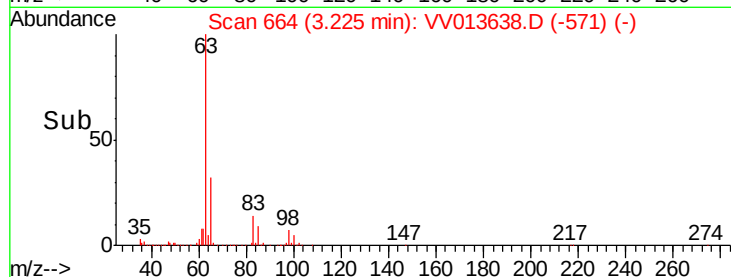
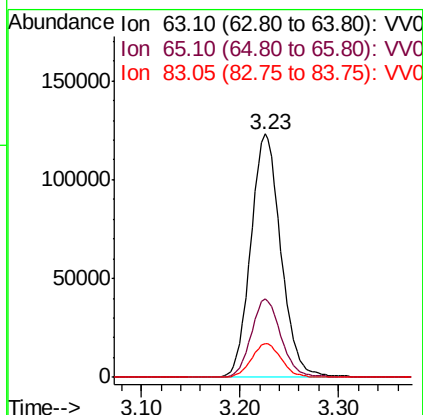
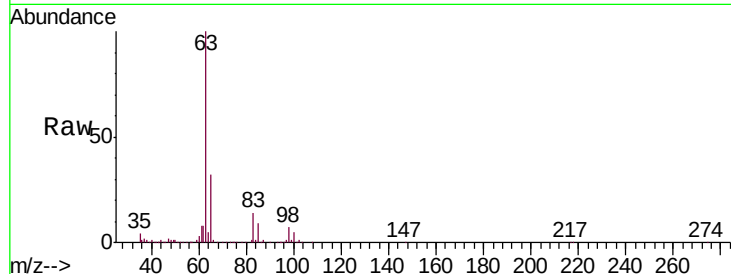




#19
 1,1-Dichloroethane
 Concen: 5.524 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. 0.00 min
 Lab File: VV013638.D
 Acq: 15 Nov 2019 13:30

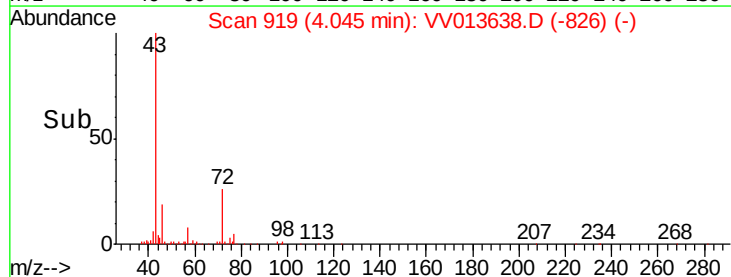
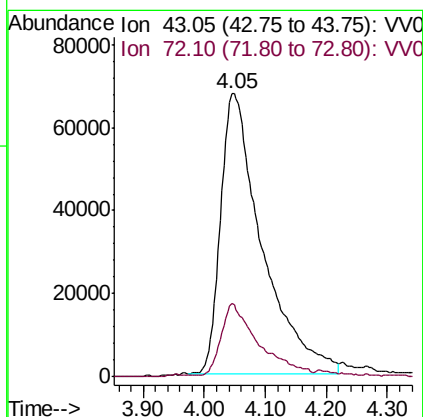
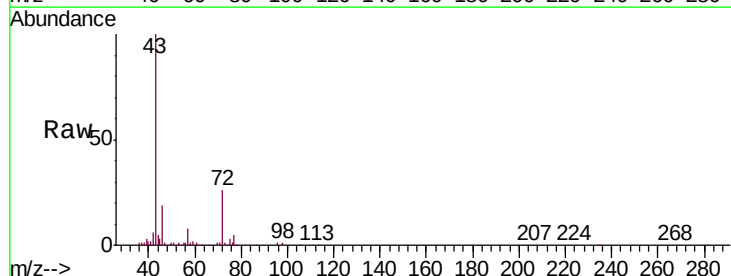
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00533

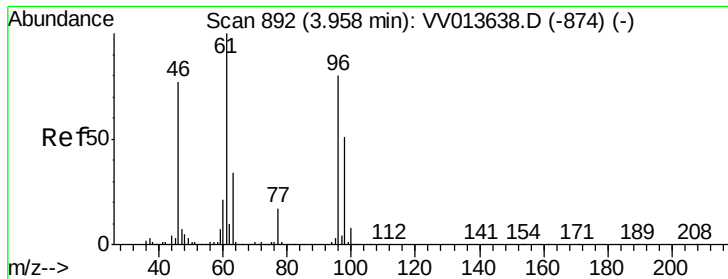
Tgt Ion: 63 Resp: 258463
 Ion Ratio Lower Upper
 63 100
 65 32.1 22.5 41.7
 83 13.8 9.7 17.9



#21
 2-Butanone
 Concen: 54.916 ug/L
 RT: 4.05 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VV013638.D
 Acq: 15 Nov 2019 13:30

Tgt Ion: 43 Resp: 318198
 Ion Ratio Lower Upper
 43 100
 72 23.2 11.6 34.8



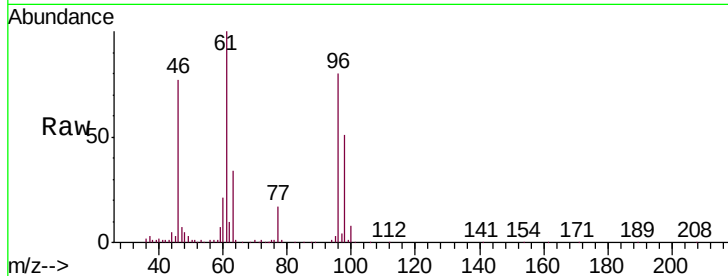


#22

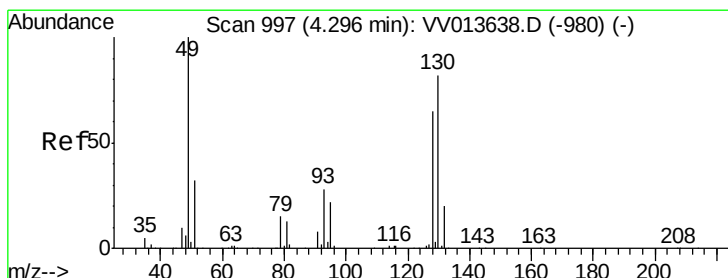
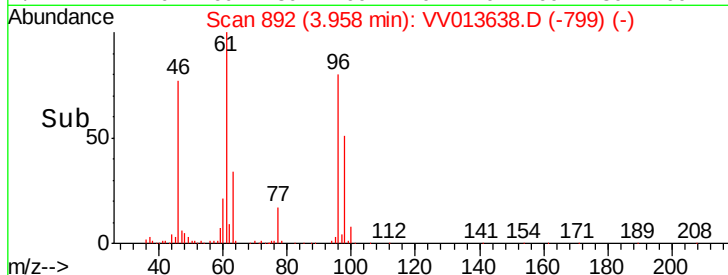
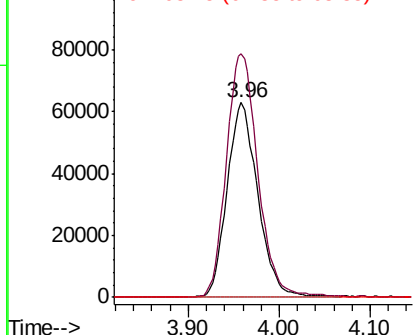
cis-1,2-Dichloroethene
Concen: 5.285 ug/L
RT: 3.96 min Scan# 892
Delta R.T. 0.00 min
Lab File: VV013638.D
Acq: 15 Nov 2019 13:30

Instrument :
MSVOA_V
ClientSampleId :
VSTD00533

Tgt Ion: 96 Resp: 148432
Ion Ratio Lower Upper
96 100
61 125.3 87.7 162.9
68 0.2 0.1 0.3



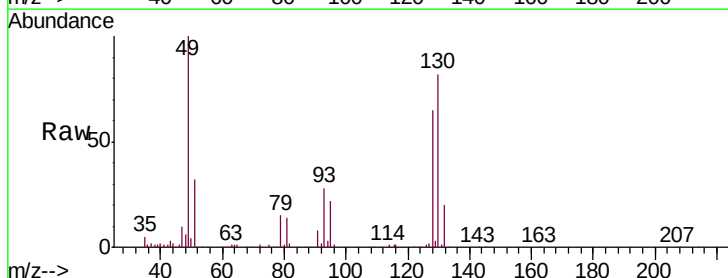
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



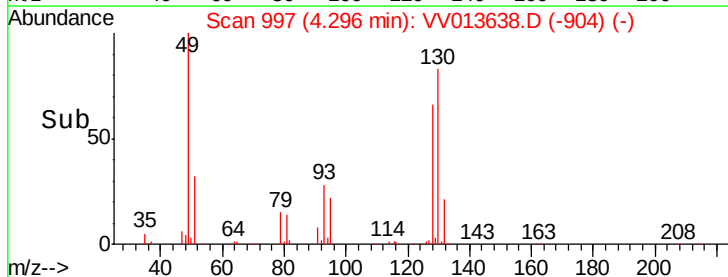
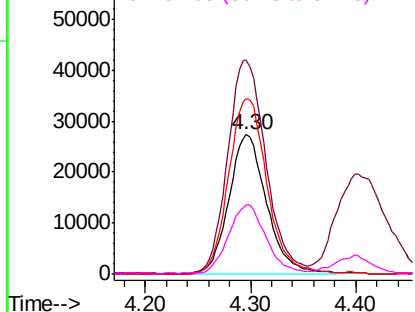
#23

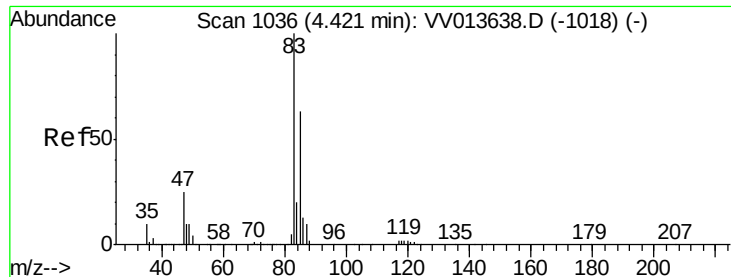
Bromochloromethane
Concen: 5.407 ug/L
RT: 4.30 min Scan# 997
Delta R.T. 0.00 min
Lab File: VV013638.D
Acq: 15 Nov 2019 13:30

Tgt Ion: 128 Resp: 67934
Ion Ratio Lower Upper
128 100
49 153.1 107.2 199.0
130 125.6 87.9 163.3
51 49.2 39.4 59.0



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: 5.010 ug/L

RT: 4.42 min Scan# 1036

Delta R.T. 0.00 min

Lab File: VV013638.D

Acq: 15 Nov 2019 13:30

Instrument :

MSVOA_V

ClientSampleId :

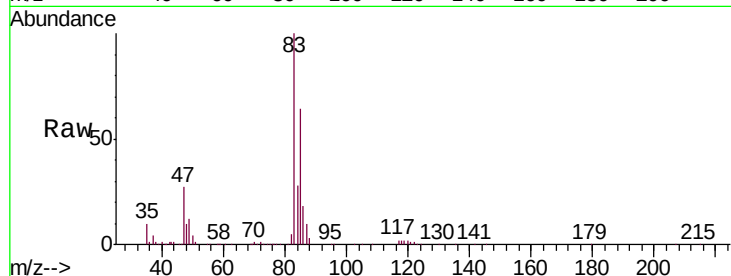
VSTD00533

Tgt Ion: 83 Resp: 291567

Ion Ratio Lower Upper

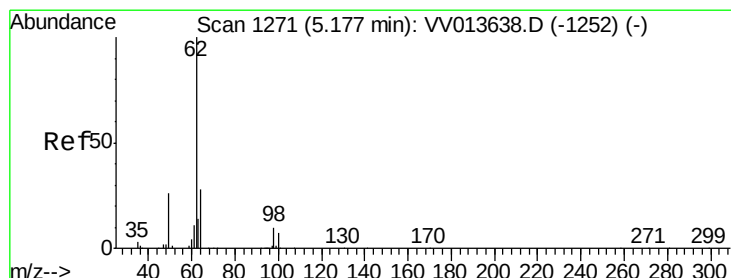
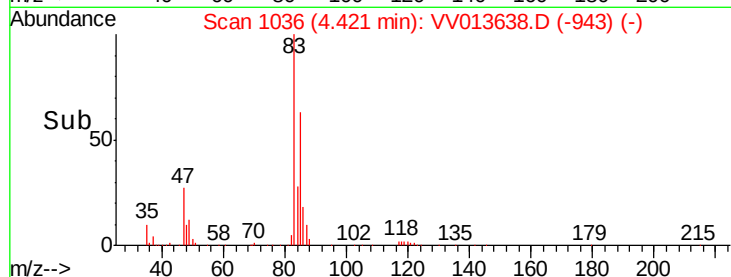
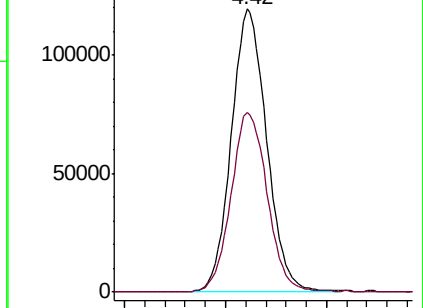
83 100

85 63.5 44.4 82.5



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0



#27

1,2-Dichloroethane

Concen: 5.165 ug/L

RT: 5.18 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VV013638.D

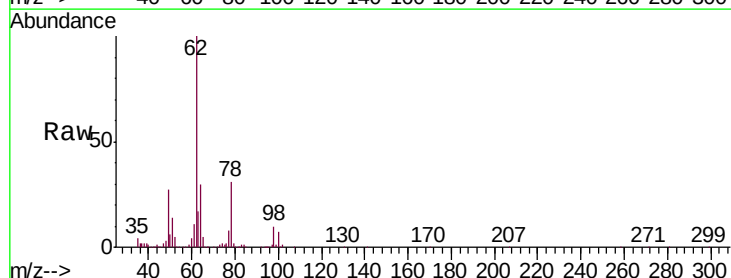
Acq: 15 Nov 2019 13:30

Tgt Ion: 62 Resp: 160178

Ion Ratio Lower Upper

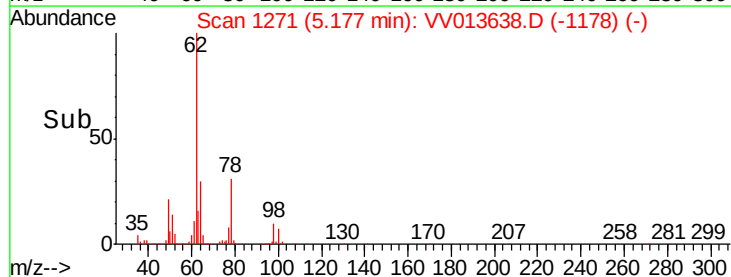
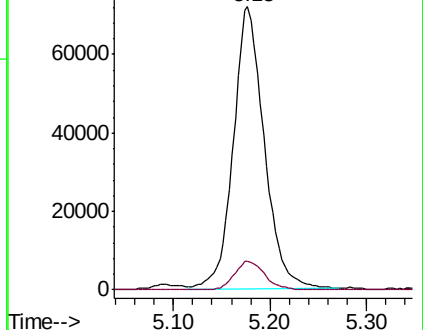
62 100

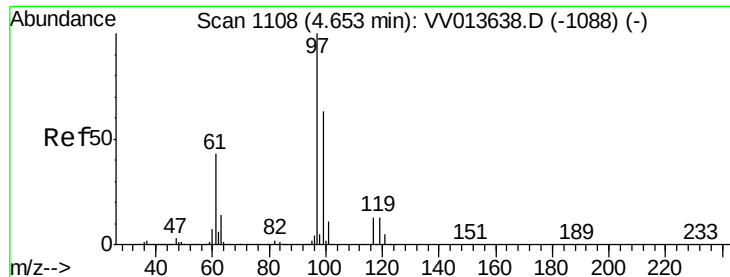
98 10.2 8.2 12.2



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.05 (97.75 to 98.75): VV0

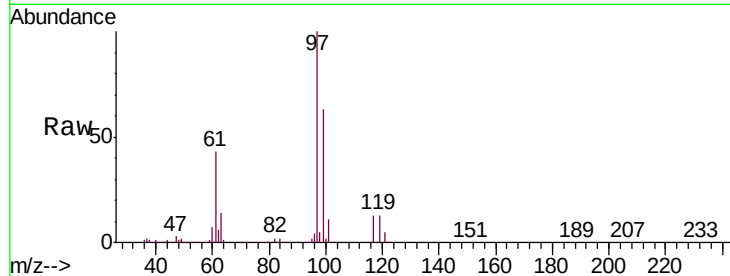




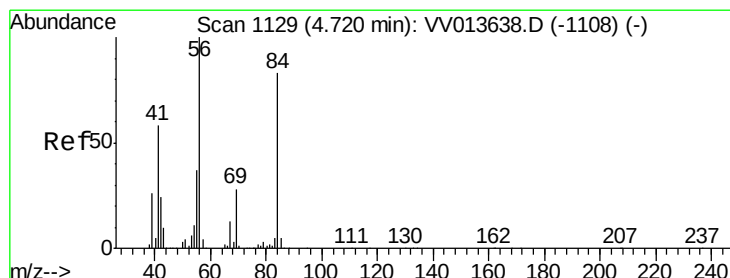
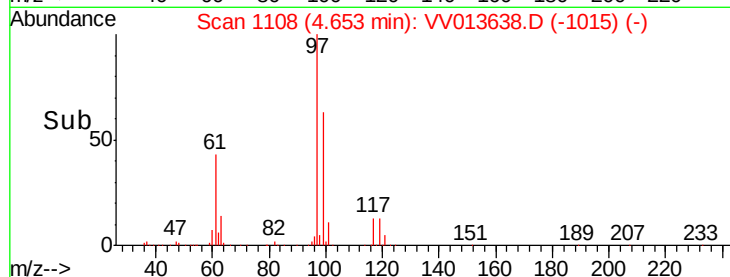
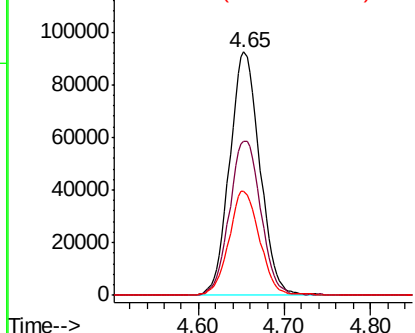
#29
 1,1,1-Trichloroethane
 Concen: 5.263 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. 0.00 min
 Lab File: VV013638.D
 Acq: 15 Nov 2019 13:30

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00533

Tgt Ion: 97 Resp: 225383
 Ion Ratio Lower Upper
 97 100
 99 65.8 52.6 79.0
 61 43.4 34.7 52.1

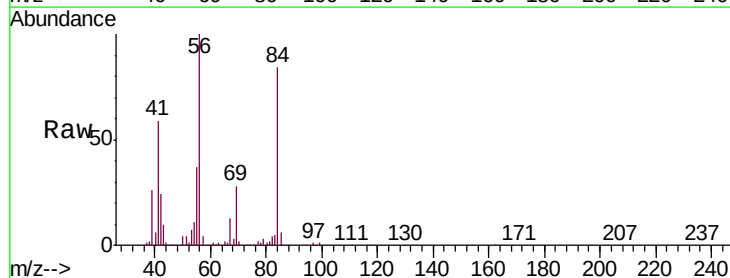


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

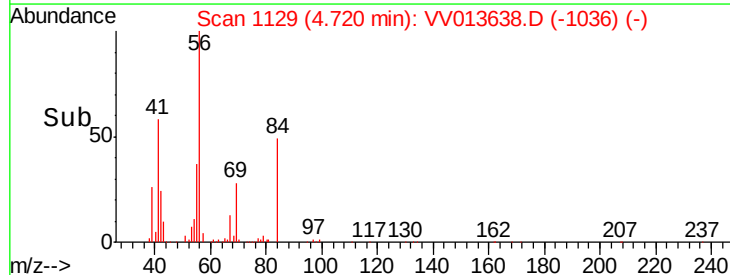
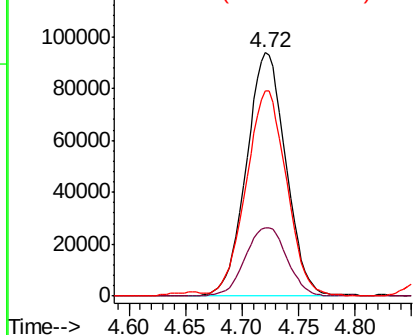


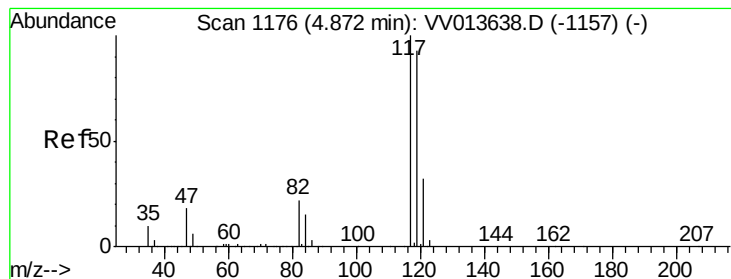
#30
 Cyclohexane
 Concen: 5.321 ug/L
 RT: 4.72 min Scan# 1129
 Delta R.T. 0.00 min
 Lab File: VV013638.D
 Acq: 15 Nov 2019 13:30

Tgt Ion: 56 Resp: 227539
 Ion Ratio Lower Upper
 56 100
 69 29.8 23.8 35.8
 84 86.4 69.1 103.7



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: 5.424 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VV013638.D

Acq: 15 Nov 2019 13:30

Instrument :

MSVOA_V

ClientSampleId :

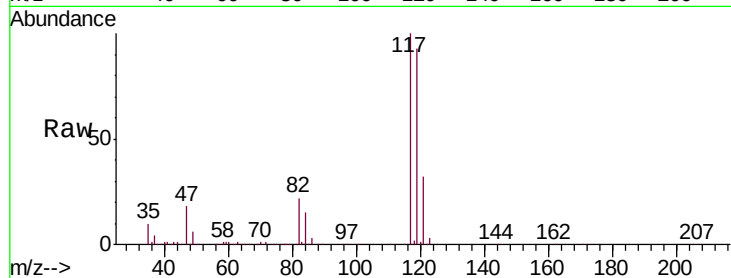
VSTD00533

Tgt Ion:117 Resp: 209538

Ion Ratio Lower Upper

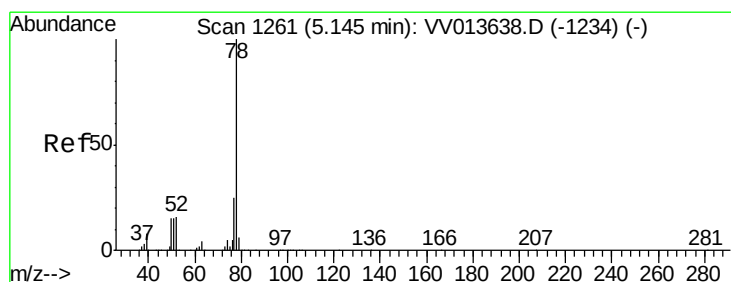
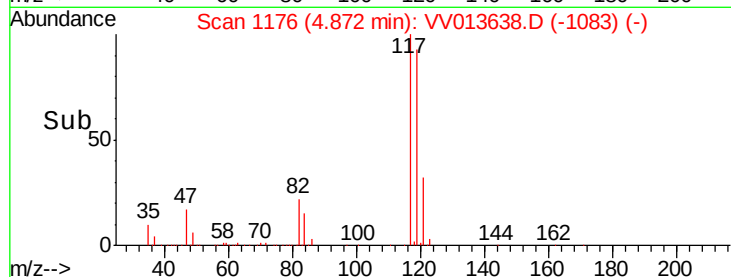
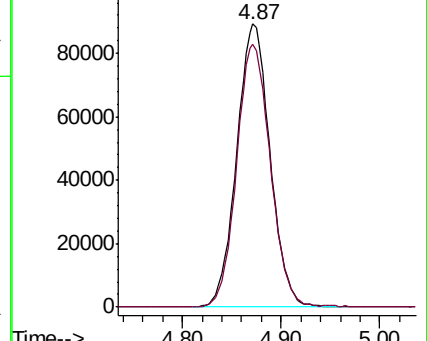
117 100

119 93.5 74.8 112.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.171 ug/L

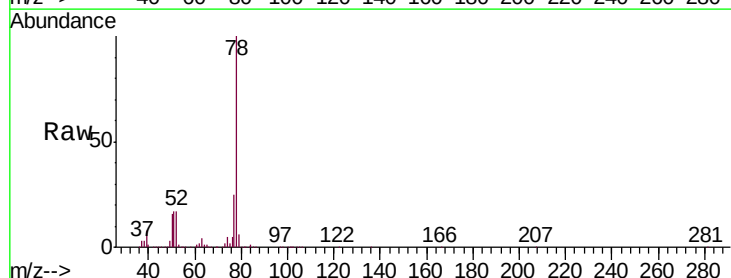
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

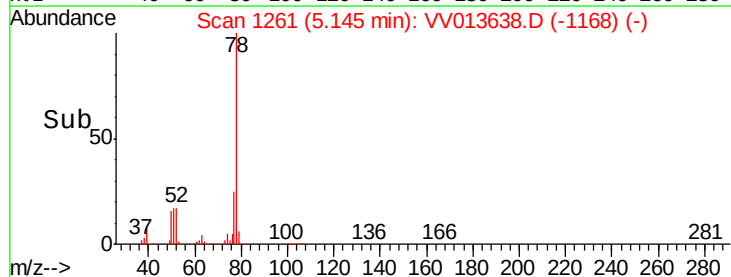
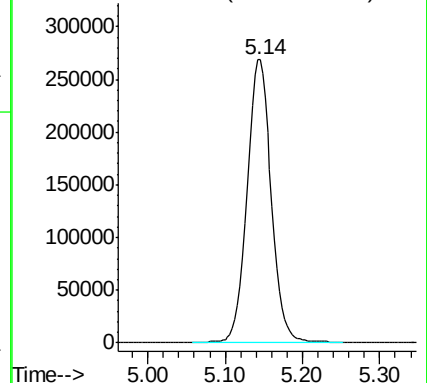
Lab File: VV013638.D

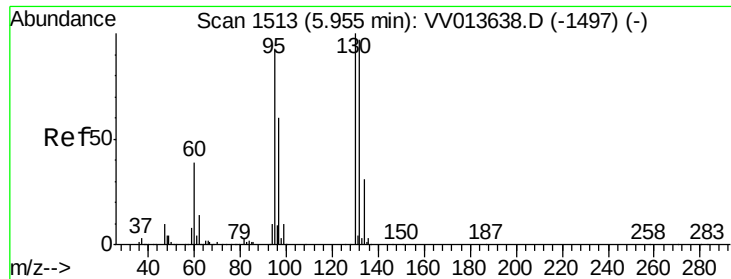
Acq: 15 Nov 2019 13:30

Tgt Ion: 78 Resp: 584563



Abundance Ion 78.10 (77.80 to 78.80): VV0

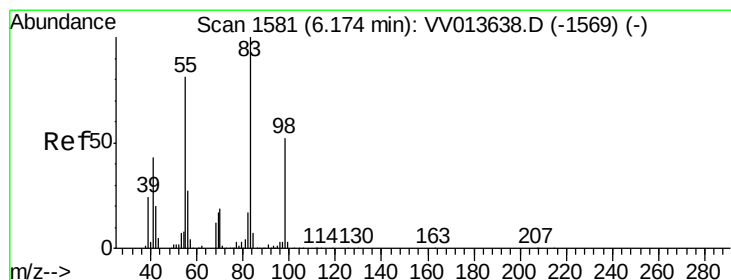
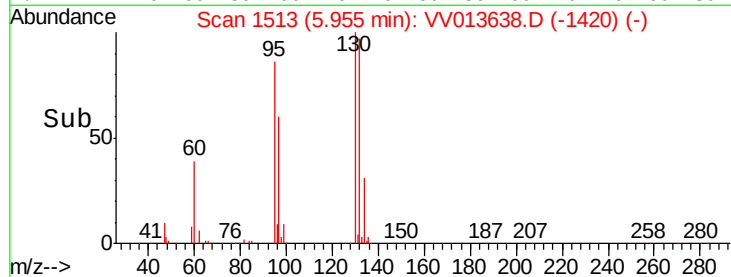
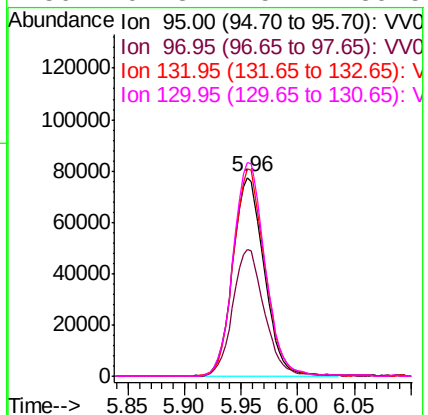
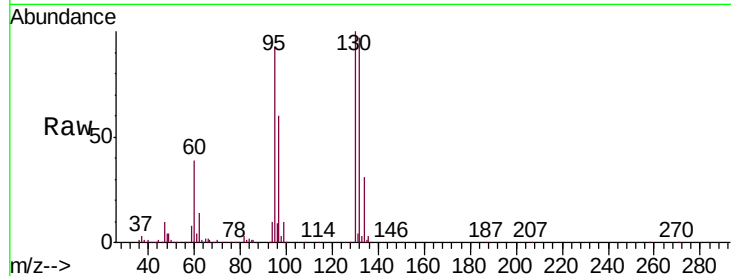




#34
 Trichloroethene
 Concen: 4.734 ug/L
 RT: 5.96 min Scan# 1513
 Delta R.T. 0.00 min
 Lab File: VV013638.D
 Acq: 15 Nov 2019 13:30

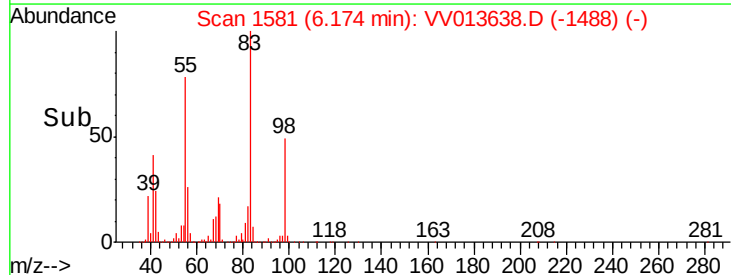
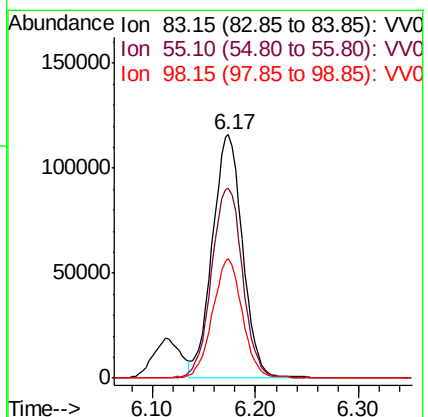
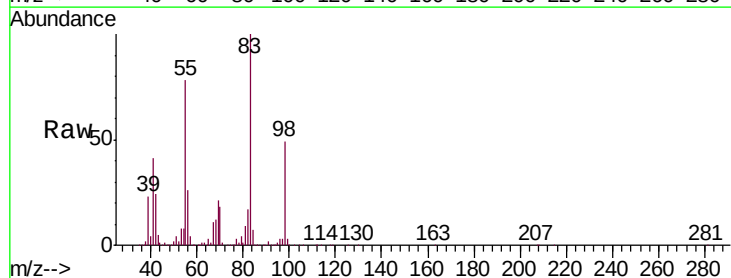
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00533

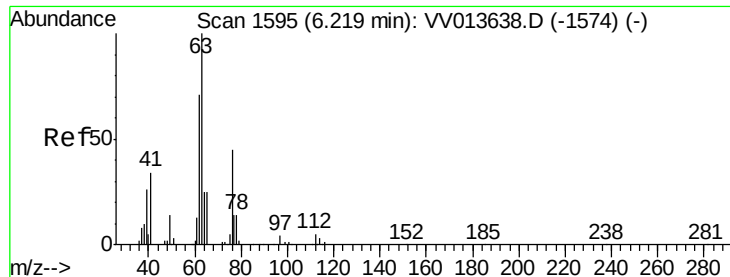
Tgt Ion:	95	Resp:	150390
Ion	Ratio	Lower	Upper
95	100		
97	64.0	44.8	83.2
132	104.1	72.9	135.3
130	107.3	75.1	139.5



#35
 Methylcyclohexane
 Concen: 5.042 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: VV013638.D
 Acq: 15 Nov 2019 13:30

Tgt Ion:	83	Resp:	235299
Ion	Ratio	Lower	Upper
83	100		
55	80.1	64.1	96.1
98	47.7	38.2	57.2

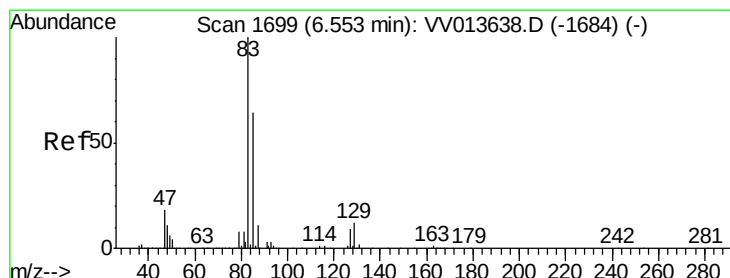
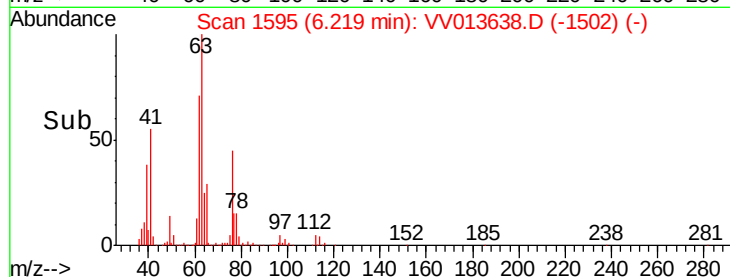
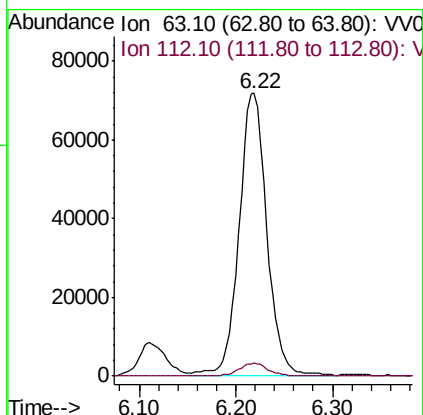
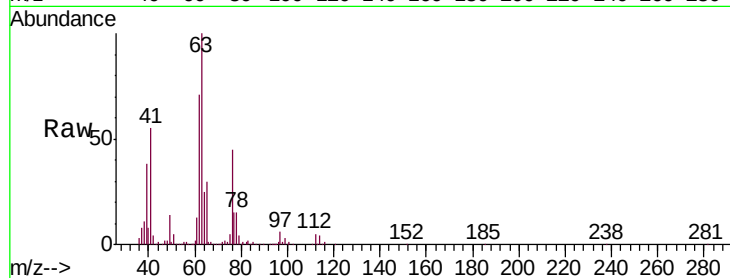




#37
 1,2-Dichloropropane
 Concen: 4.879 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV013638.D
 Acq: 15 Nov 2019 13:30

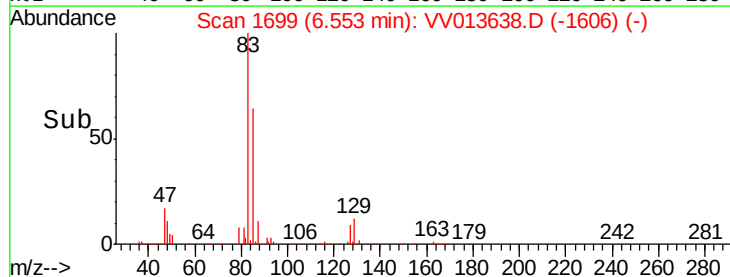
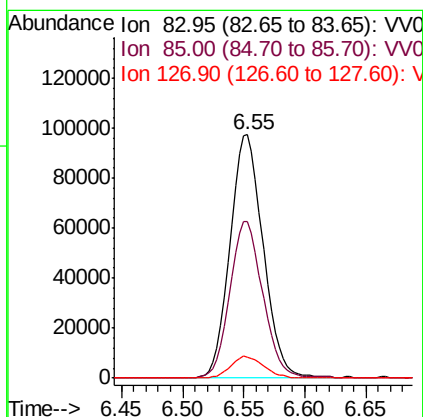
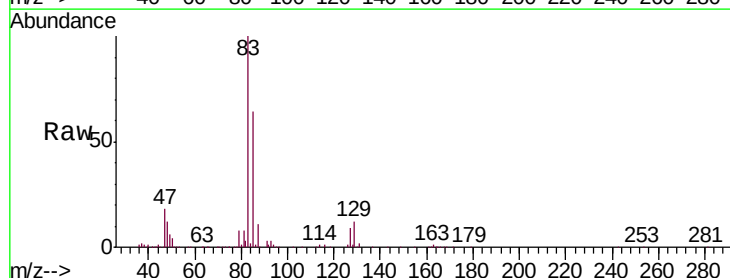
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00533

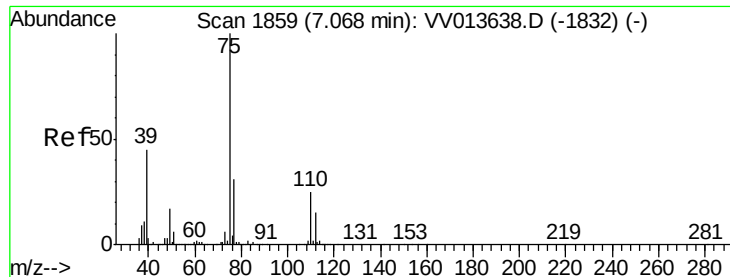
Tgt Ion: 63 Resp: 142131
 Ion Ratio Lower Upper
 63 100
 112 5.1 4.1 6.1



#38
 Bromodichloromethane
 Concen: 4.637 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV013638.D
 Acq: 15 Nov 2019 13:30

Tgt Ion: 83 Resp: 184758
 Ion Ratio Lower Upper
 83 100
 85 64.2 44.9 83.5
 127 8.8 7.0 10.6

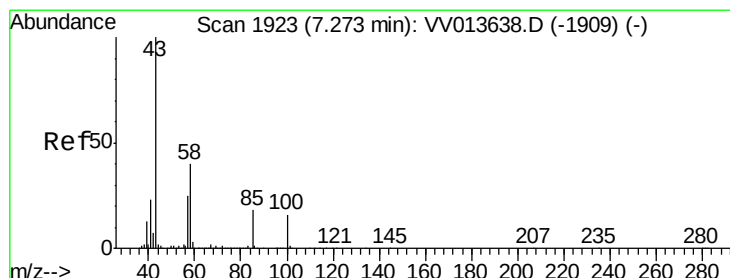
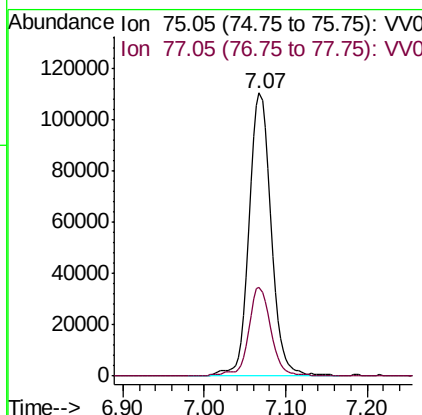
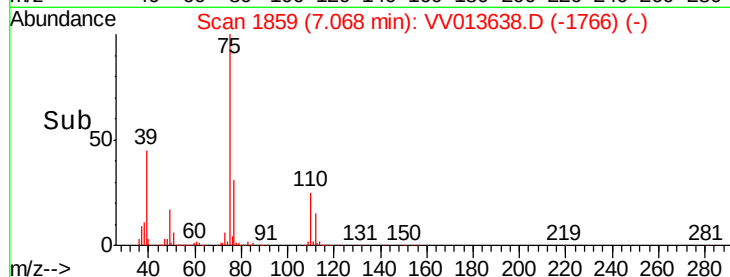
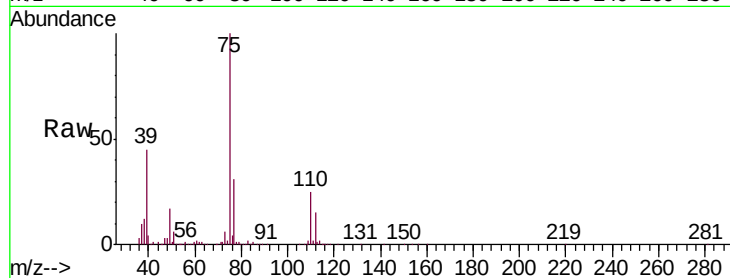




#39
 cis-1,3-Dichloropropene
 Concen: 4.989 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VV013638.D
 Acq: 15 Nov 2019 13:30

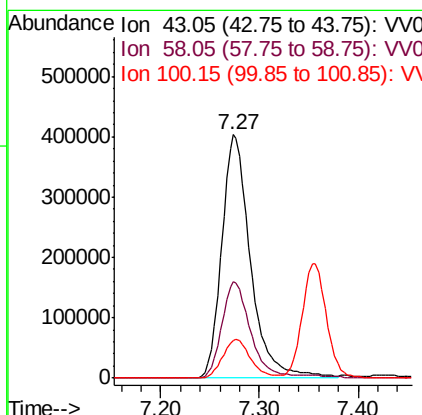
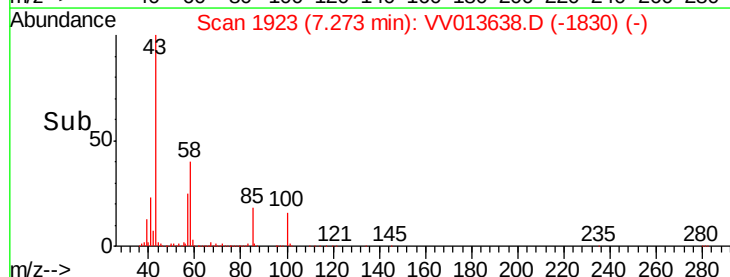
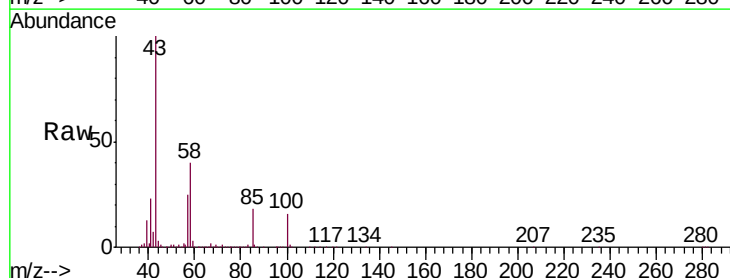
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00533

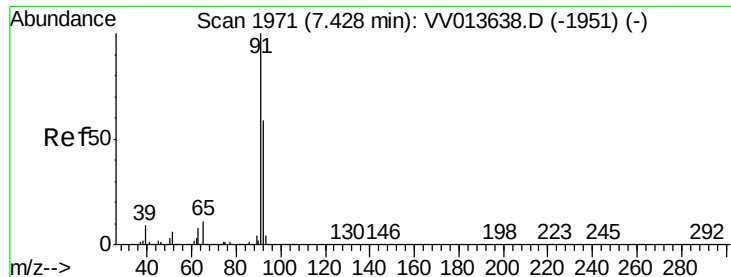
Tgt Ion: 75 Resp: 204170
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.0 40.8



#40
 4-Methyl-2-pentanone
 Concen: 50.153 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VV013638.D
 Acq: 15 Nov 2019 13:30

Tgt Ion: 43 Resp: 825557
 Ion Ratio Lower Upper
 43 100
 58 39.4 31.5 47.3
 100 15.3 12.2 18.4





#42

Toluene

Concen: 5.168 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV013638.D

Acq: 15 Nov 2019 13:30

Instrument :

MSVOA_V

ClientSampleId :

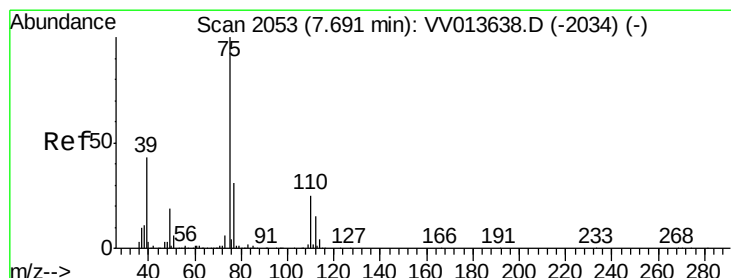
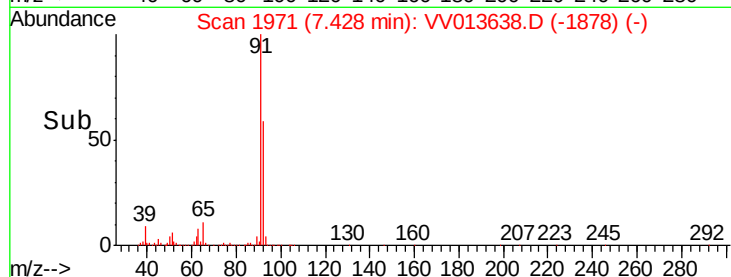
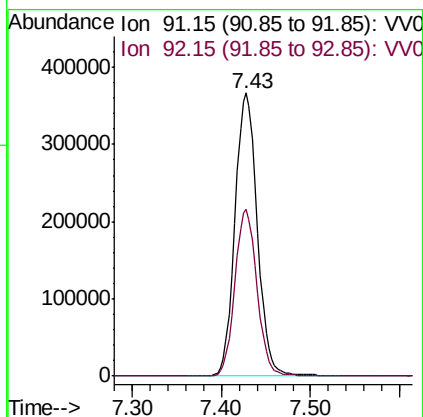
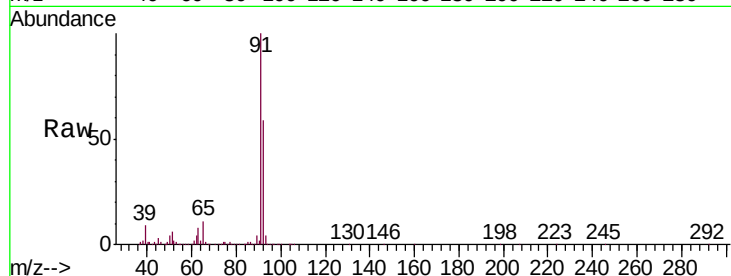
VSTD00533

Tgt Ion: 91 Resp: 635708

Ion Ratio Lower Upper

91 100

92 58.9 41.2 76.6



#44

trans-1,3-Dichloropropene

Concen: 5.037 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV013638.D

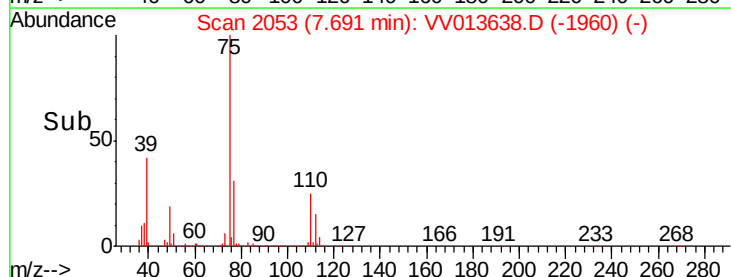
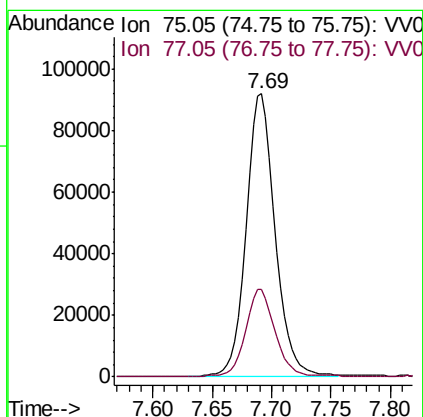
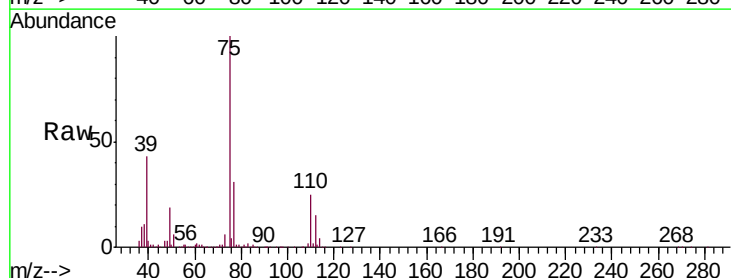
Acq: 15 Nov 2019 13:30

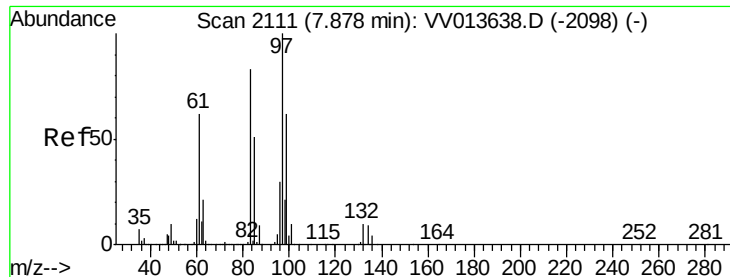
Tgt Ion: 75 Resp: 155600

Ion Ratio Lower Upper

75 100

77 30.9 21.6 40.2

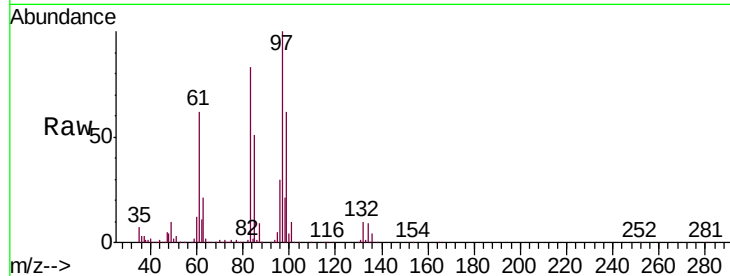




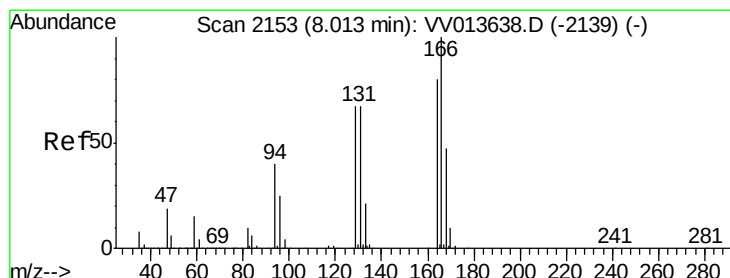
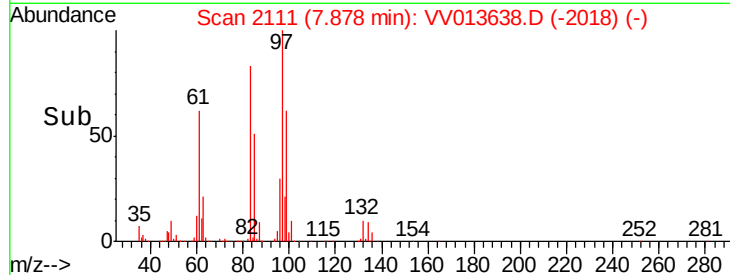
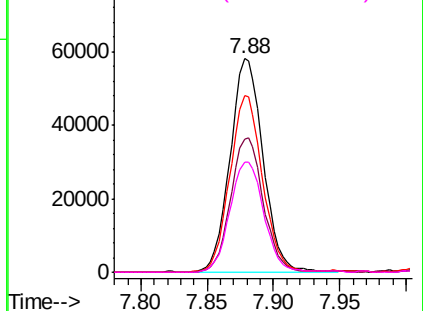
#45
 1,1,2-Trichloroethane
 Concen: 4.804 ug/L
 RT: 7.88 min Scan# 2111
 Delta R.T. 0.00 min
 Lab File: VV013638.D
 Acq: 15 Nov 2019 13:30

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00533

Tgt Ion:	97	Resp:	100642
Ion	Ratio	Lower	Upper
97	100		
99	62.5	43.8	81.3
83	82.9	58.0	107.8
85	51.5	36.0	67.0

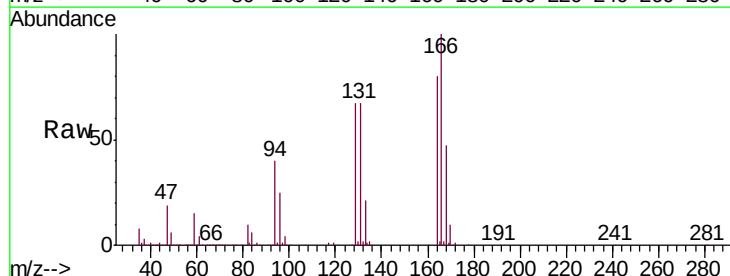


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

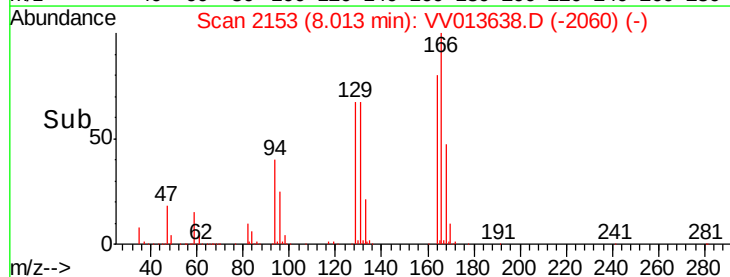
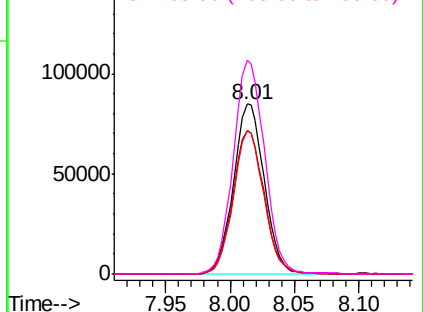


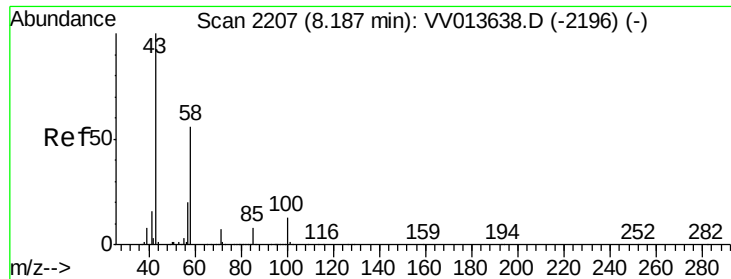
#47
 Tetrachloroethene
 Concen: 4.870 ug/L
 RT: 8.01 min Scan# 2153
 Delta R.T. 0.00 min
 Lab File: VV013638.D
 Acq: 15 Nov 2019 13:30

Tgt Ion:	164	Resp:	141252
Ion	Ratio	Lower	Upper
164	100		
129	84.5	59.1	109.9
131	84.2	58.9	109.5
166	125.5	87.8	163.2



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

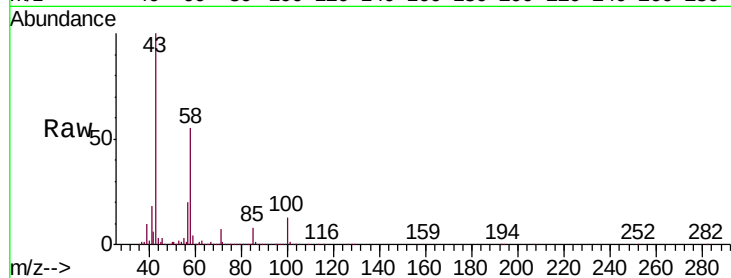




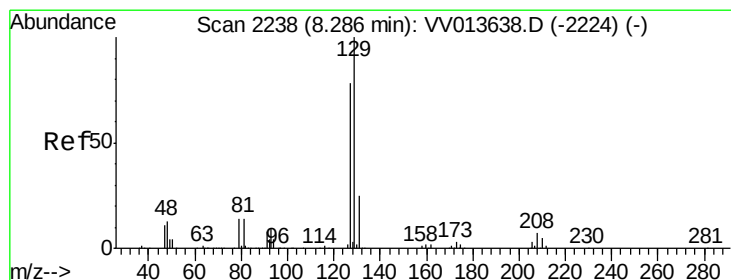
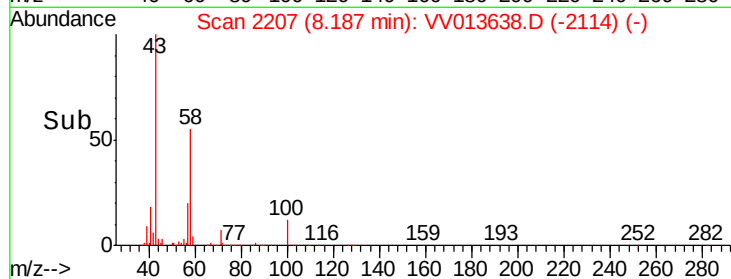
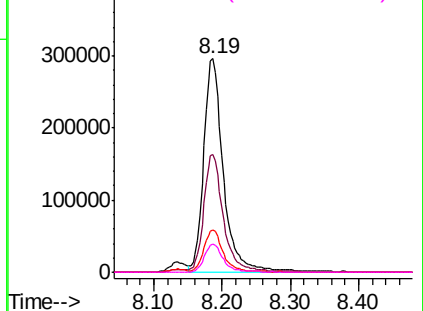
#48
2-Hexanone
Concen: 51.596 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV013638.D
Acq: 15 Nov 2019 13:30

Instrument :
MSVOA_V
ClientSampleId :
VSTD00533

Tgt Ion:	43	Resp:	590089
Ion	Ratio	Lower	Upper
43	100		
58	53.8	43.0	64.6
57	19.3	15.4	23.2
100	12.6	10.1	15.1

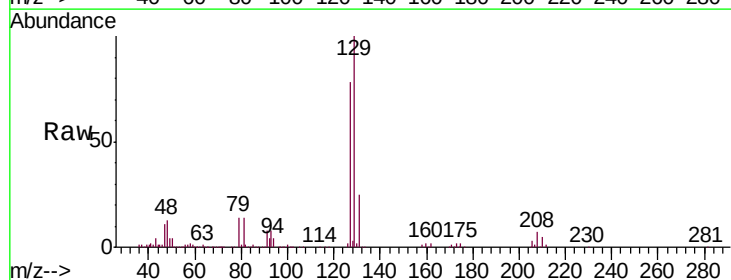


Abundance Ion 43.05 (42.75 to 43.75): VV013638.D (-2196) (-)
Ion 58.05 (57.75 to 58.75): VV013638.D (-2196) (-)
Ion 57.20 (56.90 to 57.90): VV013638.D (-2196) (-)
Ion 100.15 (99.85 to 100.85): VV013638.D (-2196) (-)

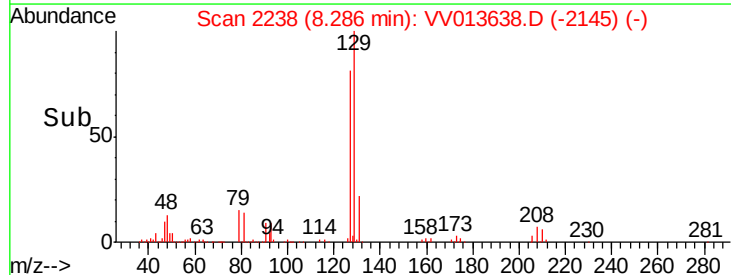
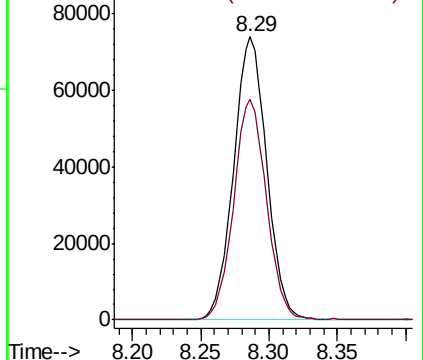


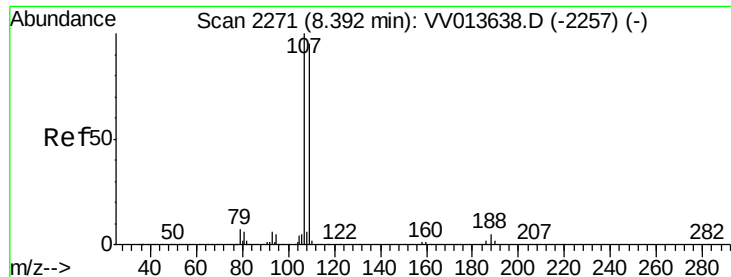
#49
Dibromochloromethane
Concen: 4.752 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV013638.D
Acq: 15 Nov 2019 13:30

Tgt Ion:	129	Resp:	124841
Ion	Ratio	Lower	Upper
129	100		
127	77.9	54.5	101.3



Abundance Ion 128.95 (128.65 to 129.65): VV013638.D (-2224) (-)
Ion 126.90 (126.60 to 127.60): VV013638.D (-2224) (-)

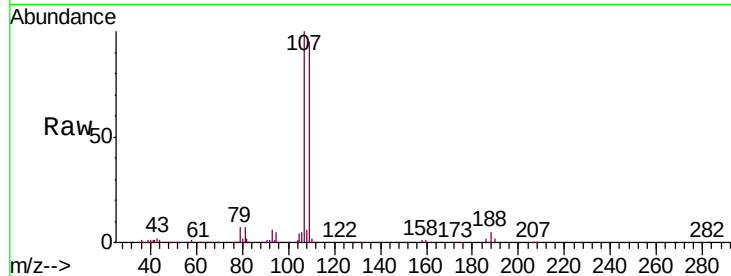




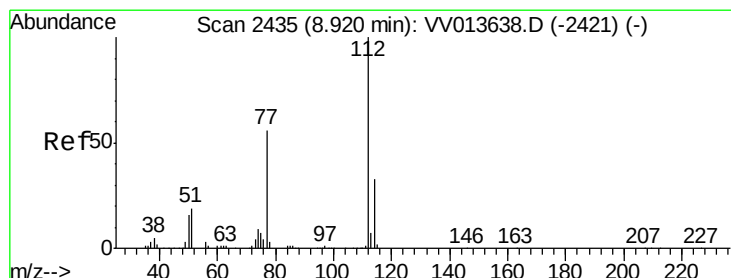
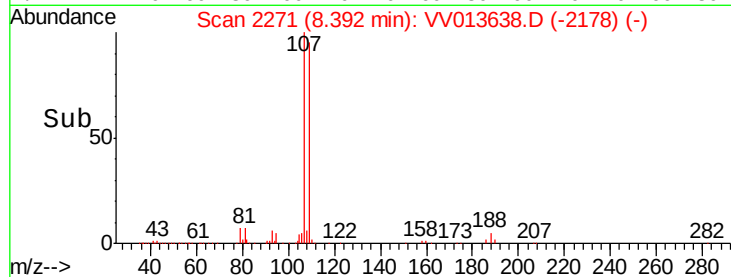
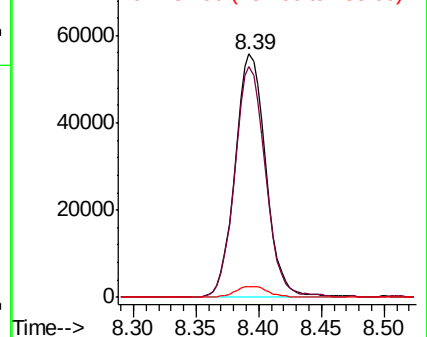
#50
 1,2-Dibromoethane
 Concen: 4.952 ug/L
 RT: 8.39 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VV013638.D
 Acq: 15 Nov 2019 13:30

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00533

Tgt Ion: 107 Resp: 95233
 Ion Ratio Lower Upper
 107 100
 109 95.0 66.5 123.5
 188 4.5 3.6 5.4

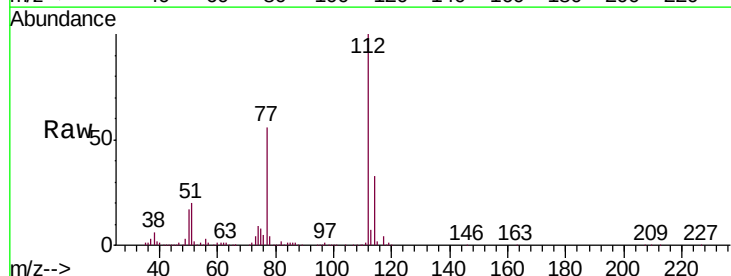


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

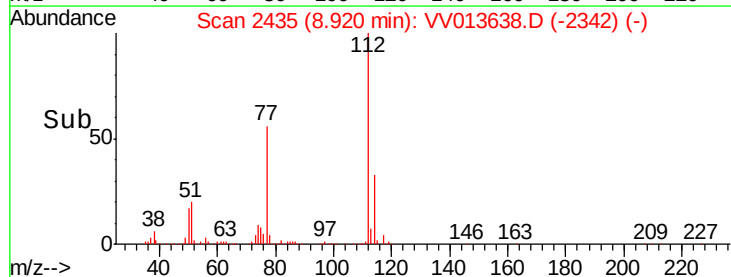
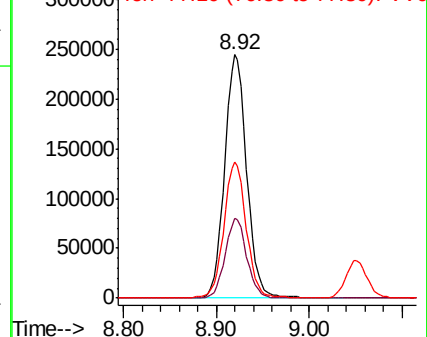


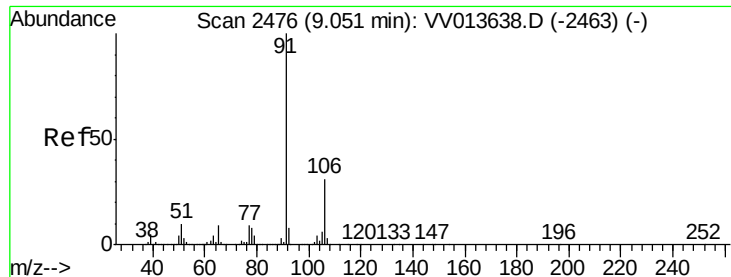
#51
 Chlorobenzene
 Concen: 4.986 ug/L
 RT: 8.92 min Scan# 2435
 Delta R.T. 0.00 min
 Lab File: VV013638.D
 Acq: 15 Nov 2019 13:30

Tgt Ion: 112 Resp: 402846
 Ion Ratio Lower Upper
 112 100
 114 32.6 22.8 42.4
 77 56.2 45.0 67.4



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: 5.086 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV013638.D

Acq: 15 Nov 2019 13:30

Instrument :

MSVOA_V

ClientSampleId :

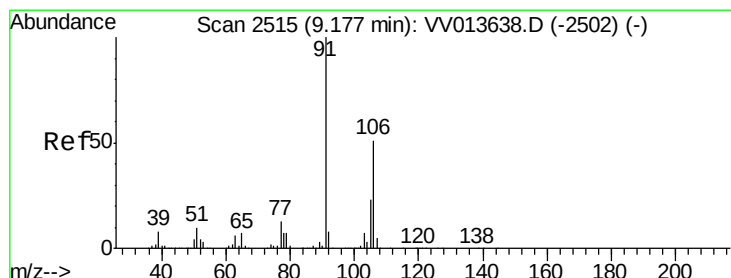
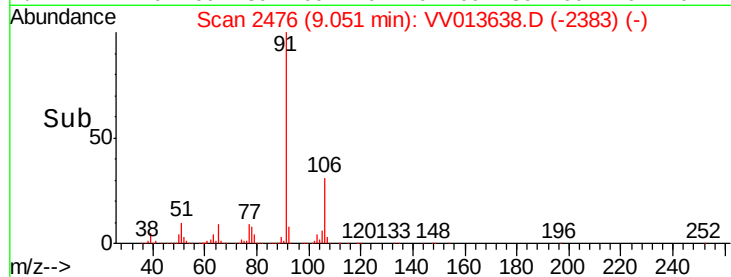
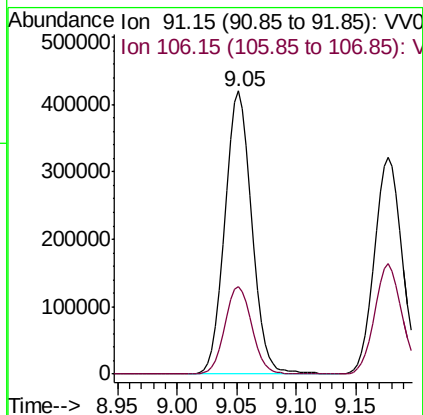
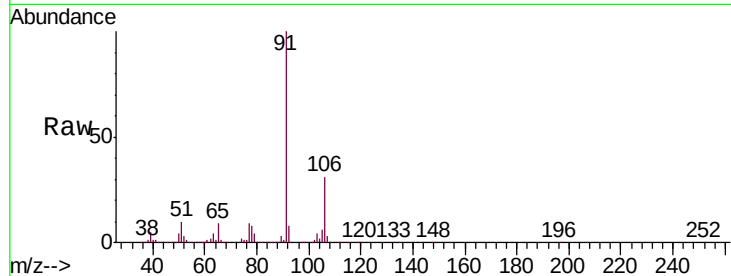
VSTD00533

Tgt Ion: 91 Resp: 660093

Ion Ratio Lower Upper

91 100

106 31.0 21.7 40.3



#53

m,p-xylene

Concen: 5.262 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV013638.D

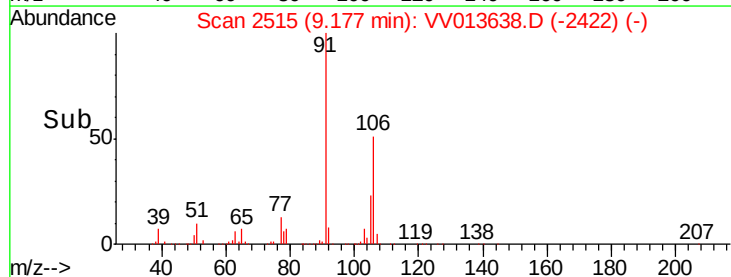
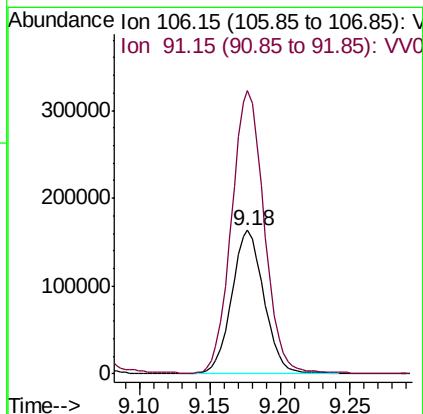
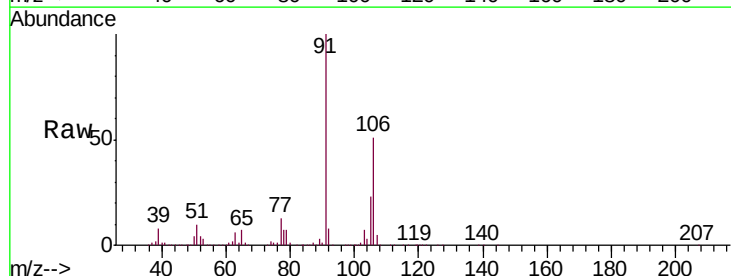
Acq: 15 Nov 2019 13:30

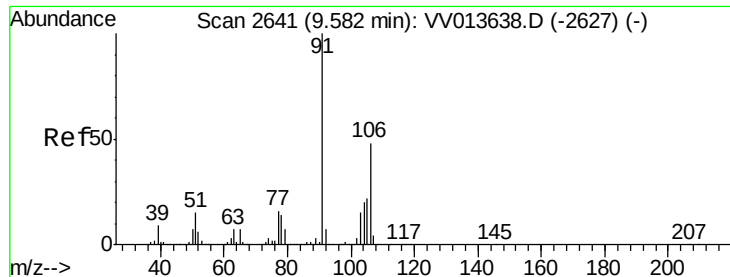
Tgt Ion: 106 Resp: 260140

Ion Ratio Lower Upper

106 100

91 197.3 138.1 256.5

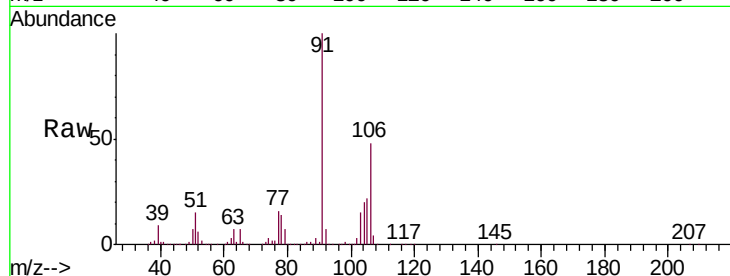




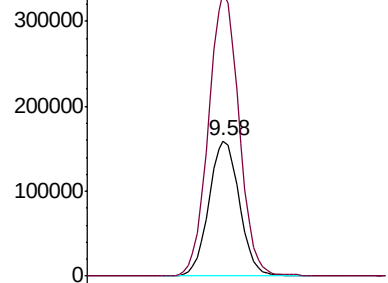
#54
o-xylene
Concen: 5.316 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV013638.D
Acq: 15 Nov 2019 13:30

Instrument :
MSVOA_V
ClientSampleId :
VSTD00533

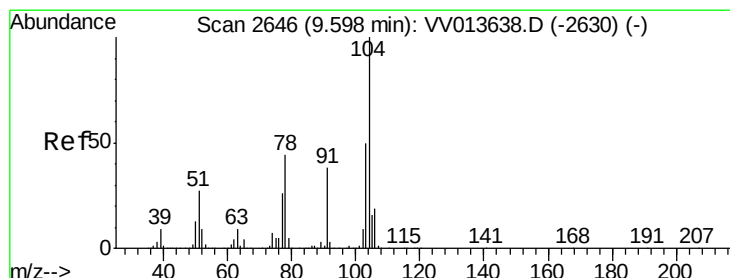
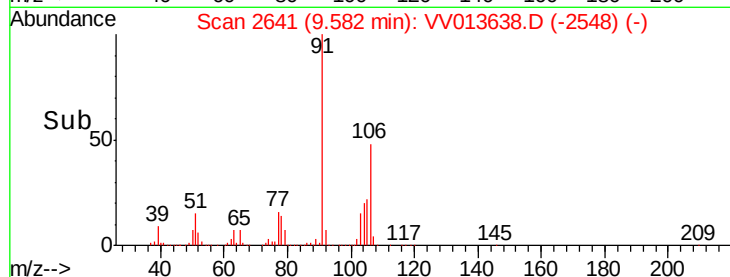
Tgt Ion:106 Resp: 247663
Ion Ratio Lower Upper
106 100
91 209.8 146.9 272.7



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

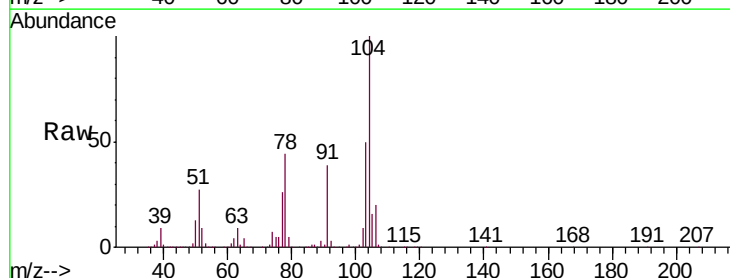


Time-->

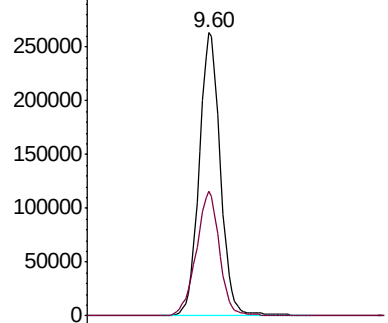


#55
Styrene
Concen: 5.327 ug/L
RT: 9.60 min Scan# 2646
Delta R.T. 0.00 min
Lab File: VV013638.D
Acq: 15 Nov 2019 13:30

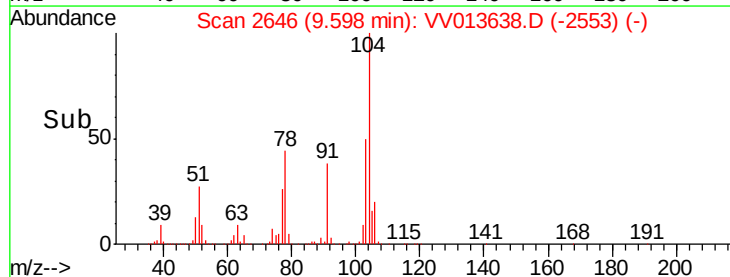
Tgt Ion:104 Resp: 426949
Ion Ratio Lower Upper
104 100
78 44.0 30.8 57.2

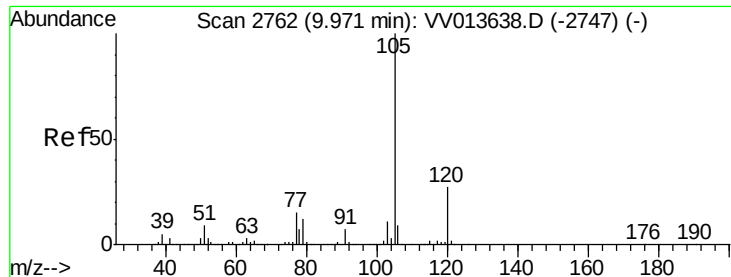


Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0



Time-->





#56

Isopropylbenzene

Concen: 5.278 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV013638.D

Acq: 15 Nov 2019 13:30

Instrument :

MSVOA_V

ClientSampled :

VSTD00533

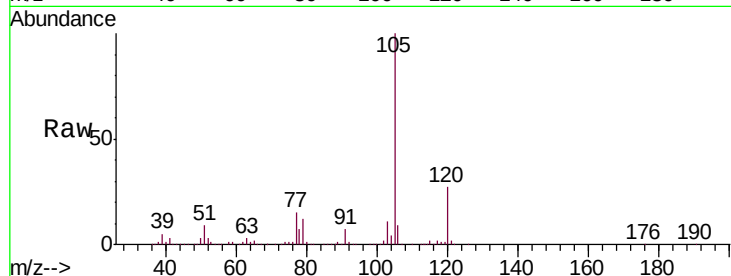
Tgt Ion: 105 Resp: 655804

Ion Ratio Lower Upper

105 100

120 26.5 21.2 31.8

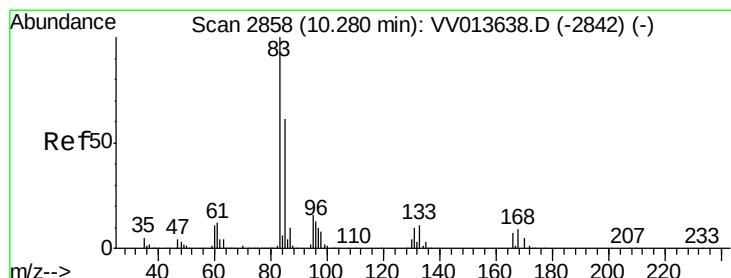
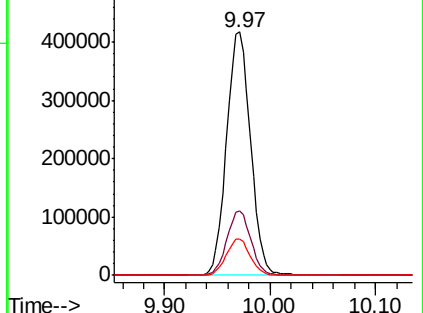
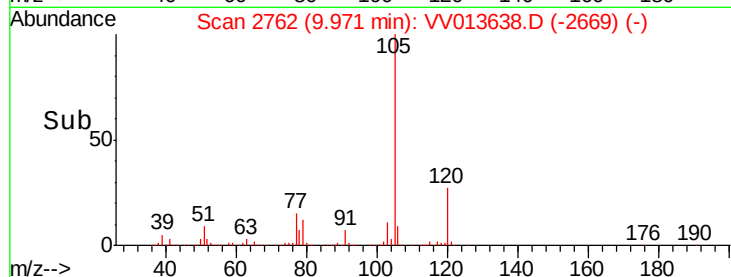
77 14.9 11.9 17.9



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: 4.914 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. 0.00 min

Lab File: VV013638.D

Acq: 15 Nov 2019 13:30

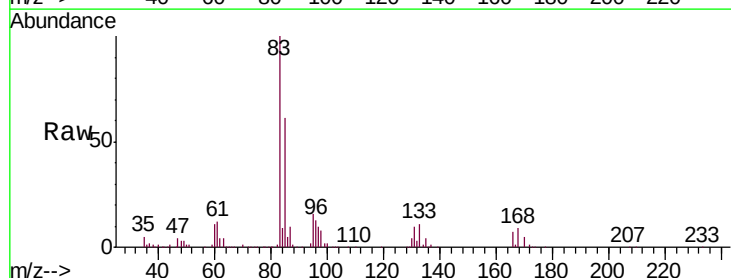
Tgt Ion: 83 Resp: 113193

Ion Ratio Lower Upper

83 100

85 61.5 43.0 80.0

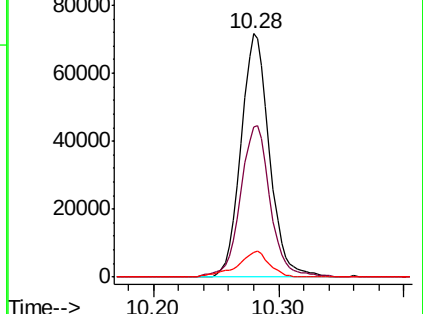
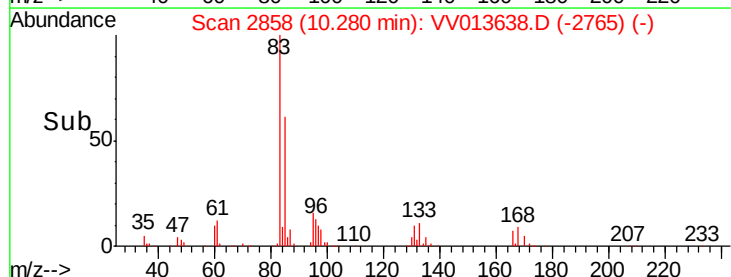
131 10.4 8.3 12.5

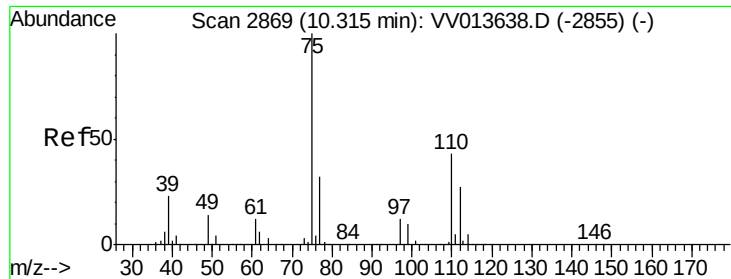


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

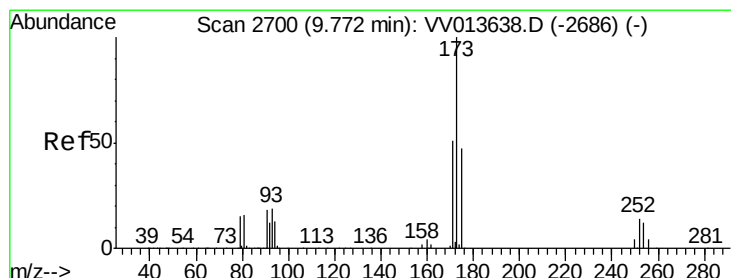
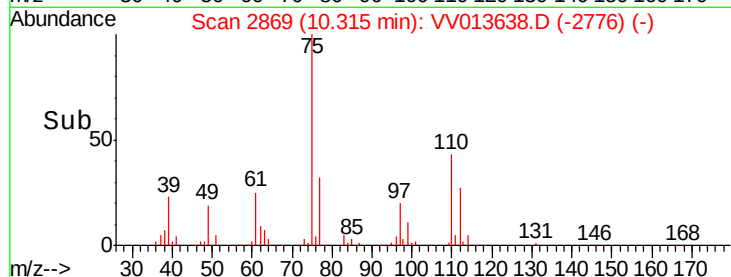
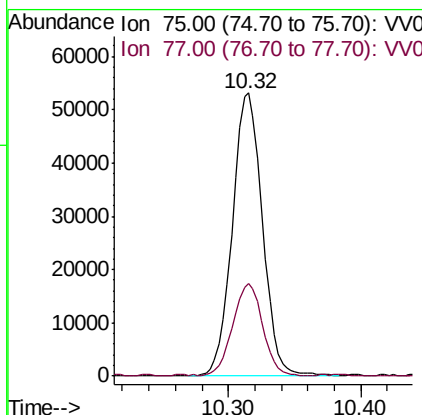
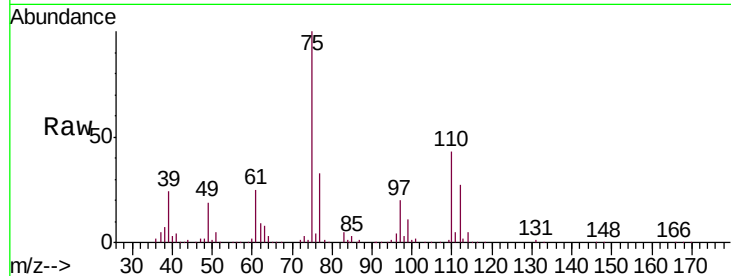




#59
 1,2,3-Trichloropropane
 Concen: 4.720 ug/L
 RT: 10.32 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VV013638.D
 Acq: 15 Nov 2019 13:30

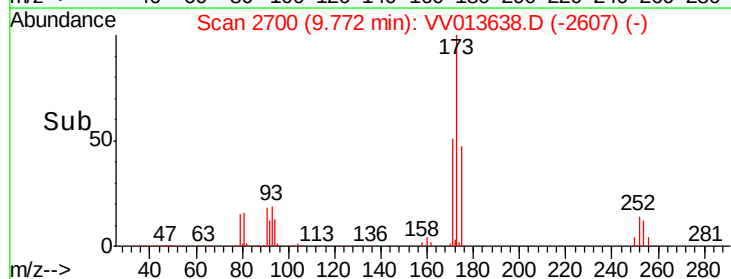
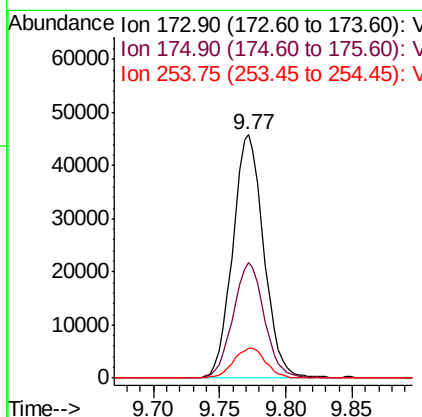
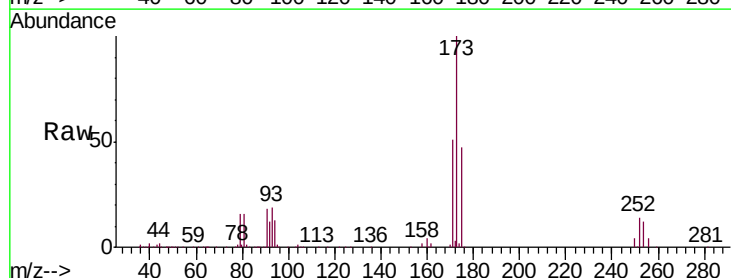
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00533

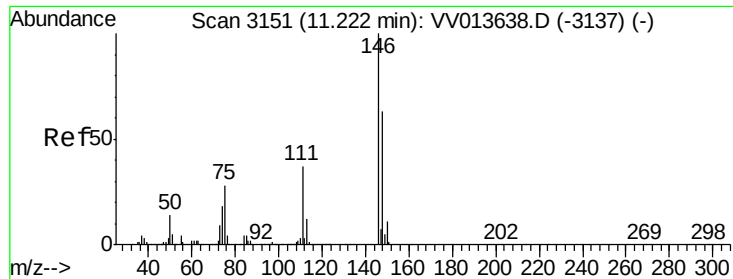
Tgt Ion: 75 Resp: 83855
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.6 38.4



#61
 Bromoform
 Concen: 4.745 ug/L
 RT: 9.77 min Scan# 2700
 Delta R.T. 0.00 min
 Lab File: VV013638.D
 Acq: 15 Nov 2019 13:30

Tgt Ion: 173 Resp: 74557
 Ion Ratio Lower Upper
 173 100
 175 47.7 38.2 57.2
 254 13.0 10.4 15.6

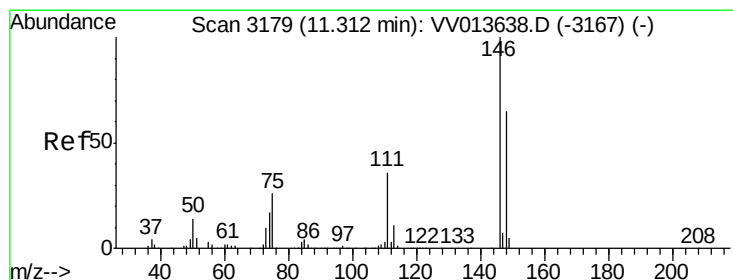
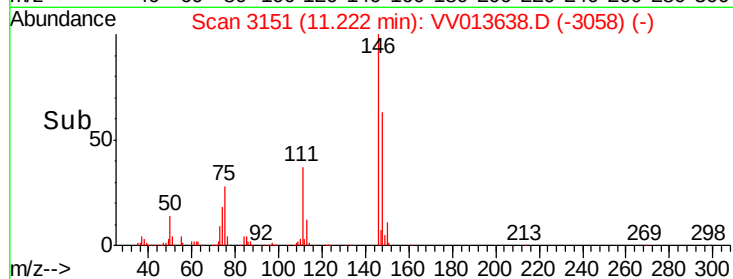
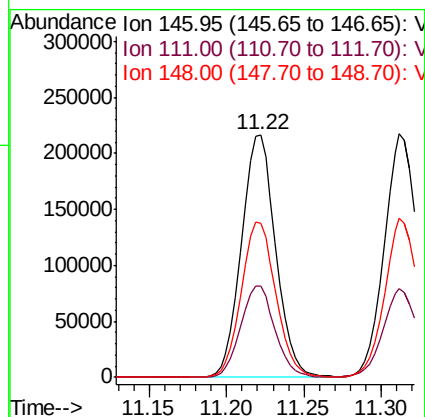
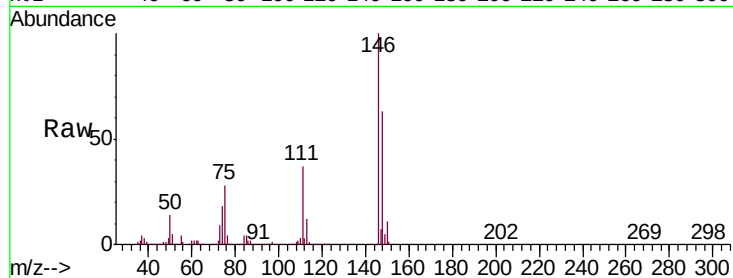




#62
 1,3-Dichlorobenzene
 Concen: 4.928 ug/L
 RT: 11.22 min Scan# 3151
 Delta R.T. 0.00 min
 Lab File: VV013638.D
 Acq: 15 Nov 2019 13:30

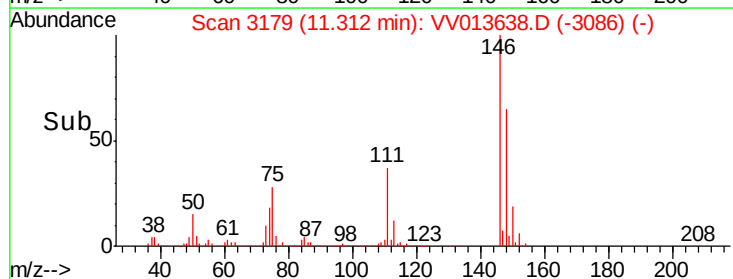
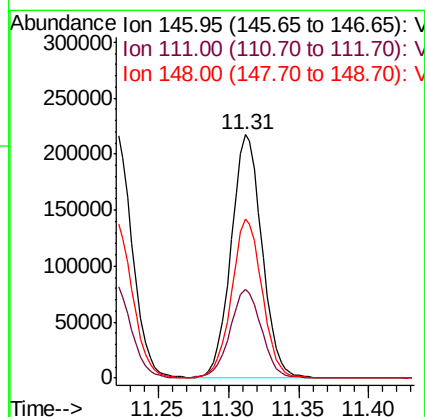
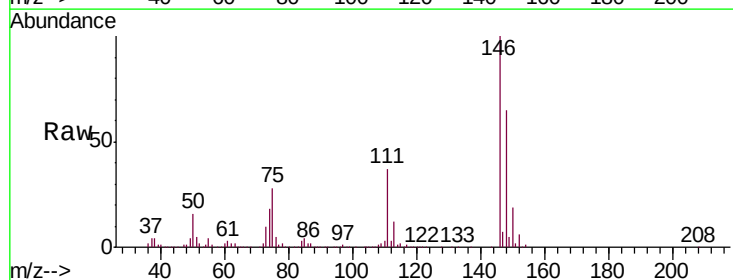
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00533

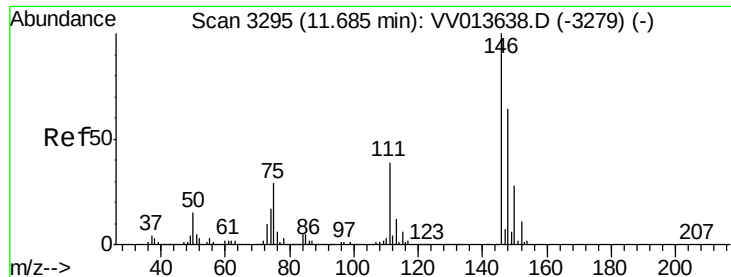
Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	26.2	48.6
148	63.5	44.4	82.5



#63
 1,4-Dichlorobenzene
 Concen: 4.804 ug/L
 RT: 11.31 min Scan# 3179
 Delta R.T. 0.00 min
 Lab File: VV013638.D
 Acq: 15 Nov 2019 13:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	25.6	47.6
148	65.2	45.6	84.8

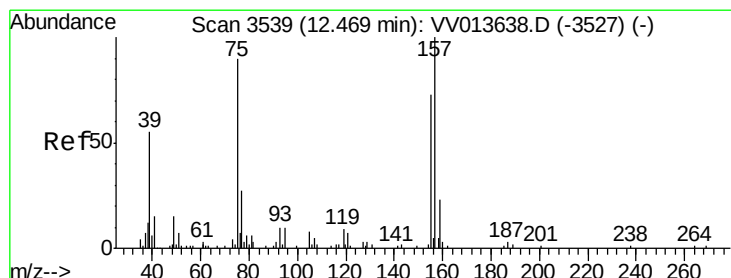
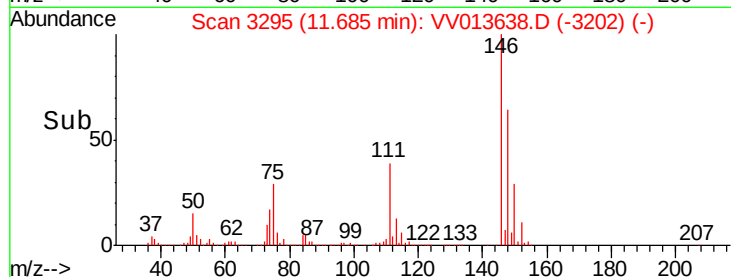
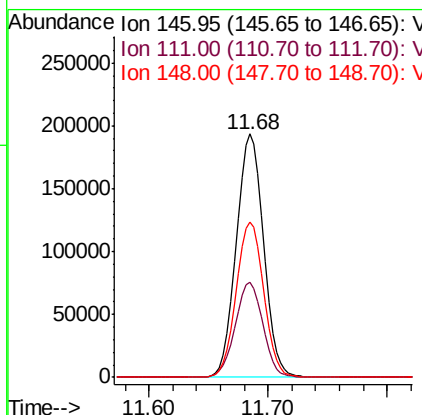
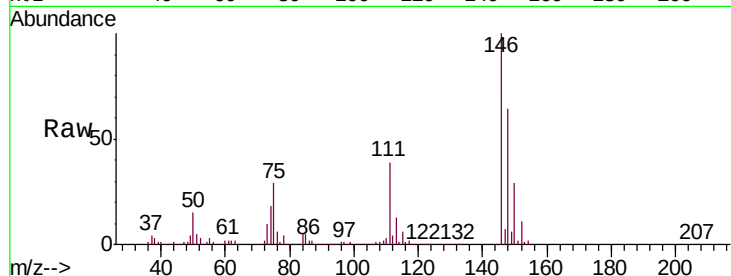




#65
 1,2-Dichlorobenzene
 Concen: 4.923 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. 0.00 min
 Lab File: VV013638.D
 Acq: 15 Nov 2019 13:30

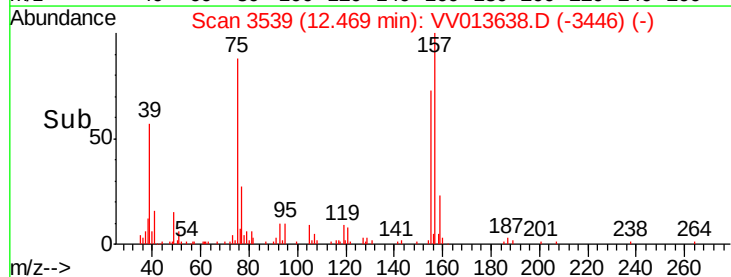
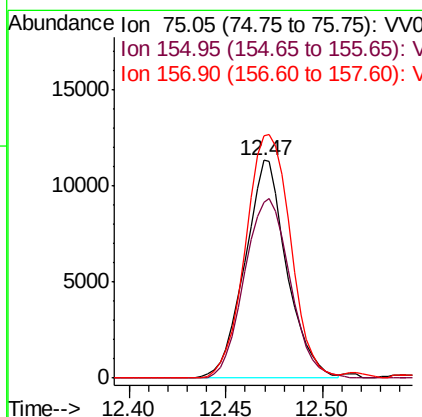
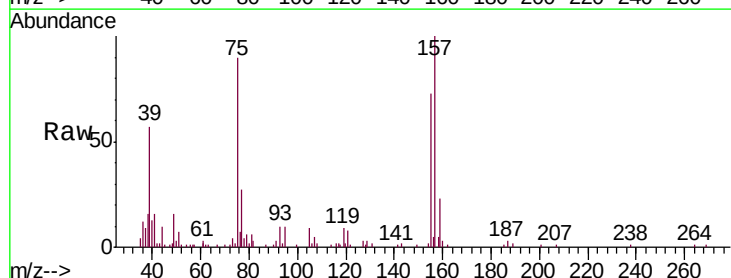
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00533

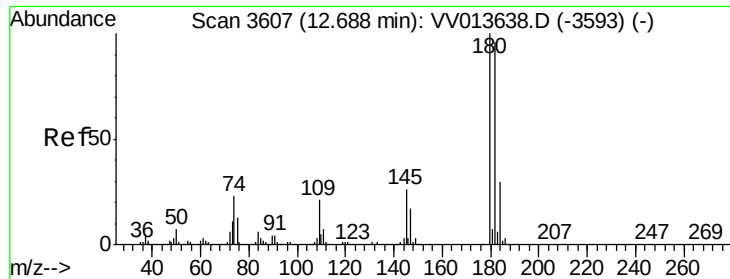
Tgt Ion: 146 Resp: 307993
 Ion Ratio Lower Upper
 146 100
 111 39.1 31.3 46.9
 148 63.9 51.1 76.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.483 ug/L
 RT: 12.47 min Scan# 3539
 Delta R.T. 0.00 min
 Lab File: VV013638.D
 Acq: 15 Nov 2019 13:30

Tgt Ion: 75 Resp: 17164
 Ion Ratio Lower Upper
 75 100
 155 81.0 64.8 97.2
 157 111.4 89.1 133.7

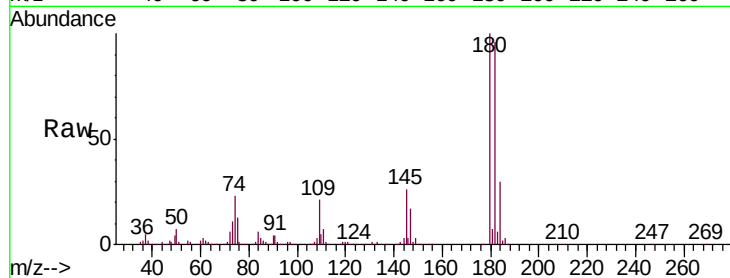




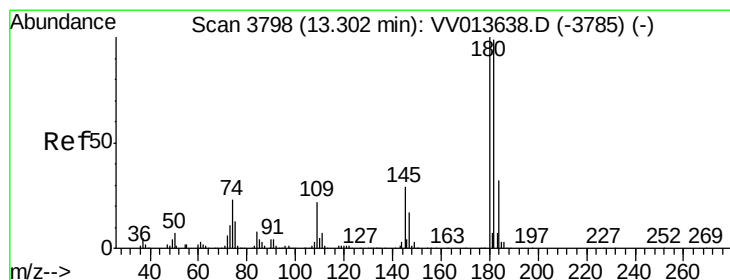
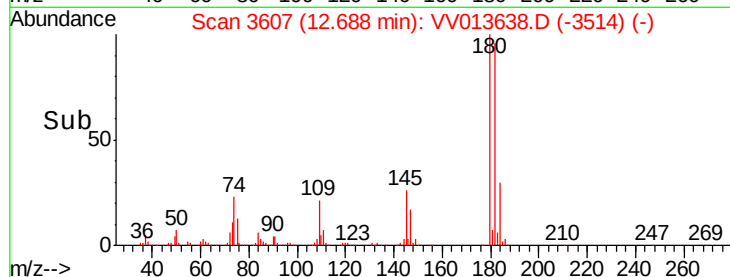
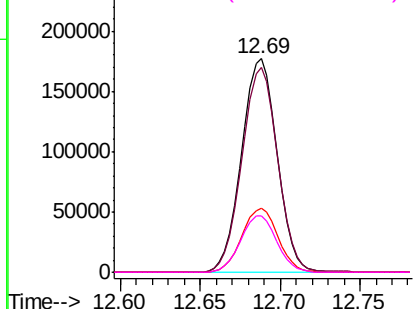
#67
 1,3,5-Trichlorobenzene
 Concen: 4.850 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV013638.D
 Acq: 15 Nov 2019 13:30

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00533

Tgt Ion:	180	Resp:	267367
Ion	Ratio	Lower	Upper
180	100		
182	96.3	77.0	115.6
184	30.5	24.4	36.6
145	26.9	21.5	32.3

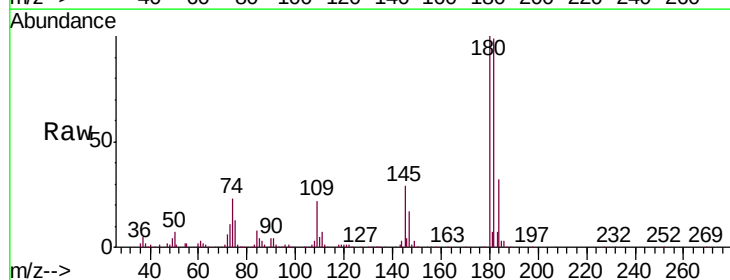


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

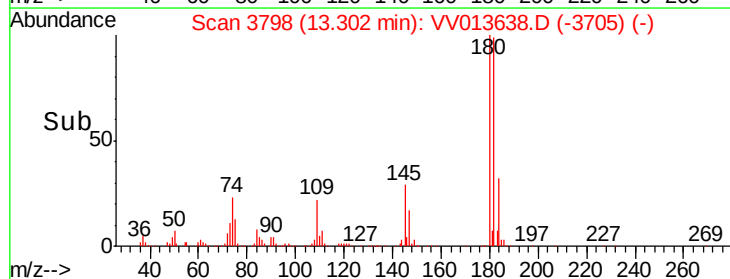
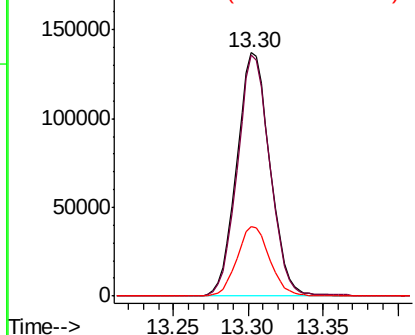


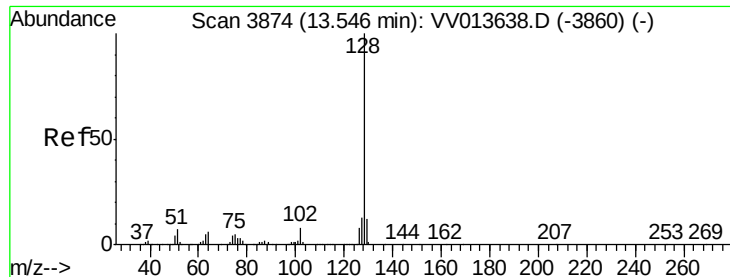
#68
 1,2,4-trichlorobenzene
 Concen: 4.901 ug/L
 RT: 13.30 min Scan# 3798
 Delta R.T. 0.00 min
 Lab File: VV013638.D
 Acq: 15 Nov 2019 13:30

Tgt Ion:	180	Resp:	212298
Ion	Ratio	Lower	Upper
180	100		
182	96.5	77.2	115.8
145	28.2	22.6	33.8



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: 5.072 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. 0.00 min

Lab File: VV013638.D

Acq: 15 Nov 2019 13:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD00533

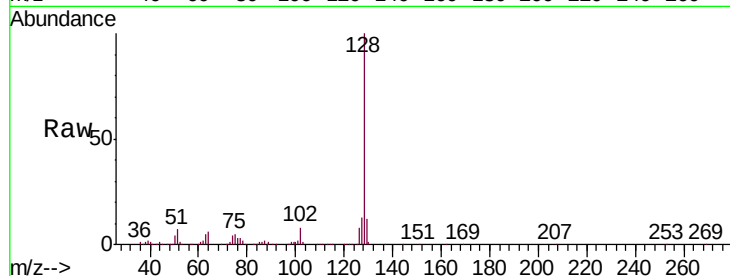
Tgt Ion:128 Resp: 282559

Ion Ratio Lower Upper

128 100

129 10.8 8.6 13.0

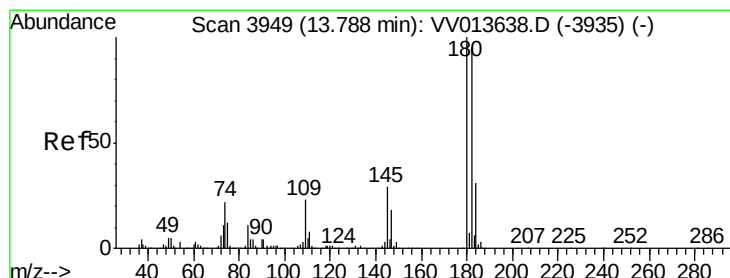
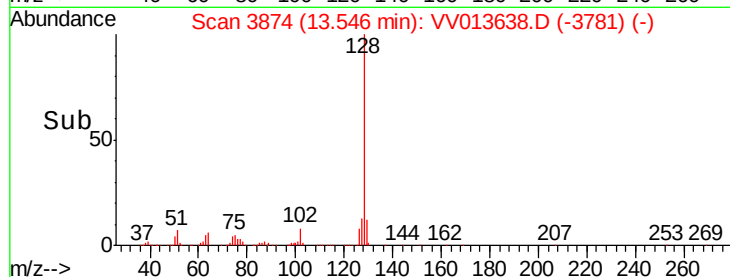
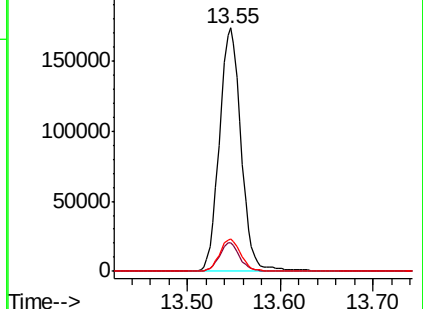
127 13.0 10.4 15.6



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: 5.061 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VV013638.D

Acq: 15 Nov 2019 13:30

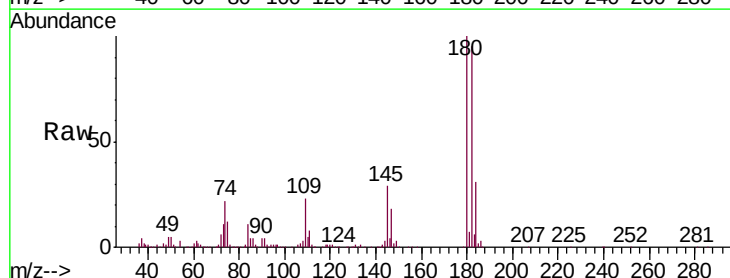
Tgt Ion:180 Resp: 202850

Ion Ratio Lower Upper

180 100

182 94.5 75.6 113.4

145 29.2 23.4 35.0



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

