

Data File : VV013537.D
Acq On : 08 Nov 2019 12:21
Operator : SY/MD
Sample : VSTD0.535
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.535

Quant Time: Nov 08 21:50:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR110819WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Nov 08 21:45:28 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	494106	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	472493	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	237384	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	9426	0.42	ug/L	0.00
7) Chloroethane-d5	1.58	69	9143	0.47	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	20034	0.48	ug/L	0.00
20) 2-Butanone-d5	3.97	46	30903	4.09	ug/L	0.02
24) Chloroform-d	4.40	84	24874	0.43	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	12794	0.44	ug/L	0.00
32) Benzene-d6	5.10	84	43410	0.42	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	13900	0.40	ug/L	0.00
41) Toluene-d8	7.36	98	34870	0.40	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	5318	0.39	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	16617	3.32	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	11579	0.43	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	21216	0.50	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	24753	0.513	ug/L	97
3) Chloromethane	1.25	50	21629	0.519	ug/L	98
5) Vinyl chloride	1.32	62	20781	0.521	ug/L	99
6) Bromomethane	1.53	94	11325	0.541	ug/L	99
8) Chloroethane	1.60	64	12298	0.555	ug/L	89
9) Trichlorofluoromethane	1.77	101	29960	0.565	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	16666	0.559	ug/L	97
12) 1,1-Dichloroethene	2.14	96	16278	0.590	ug/L #	78
13) Acetone	2.23	43	14514	3.320	ug/L	73
14) Carbon disulfide	2.32	76	49759	0.587	ug/L	99
15) Methyl Acetate	2.47	43	5943	0.452	ug/L #	78
16) Methylene chloride	2.53	84	22348	0.571	ug/L	94
17) Methyl tert-butyl Ether	2.81	73	38813	0.510	ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	18669	0.525	ug/L	99
19) 1,1-Dichloroethane	3.23	63	36074	0.537	ug/L	97
21) 2-Butanone	4.05	43	32747	3.940	ug/L #	75
22) cis-1,2-Dichloroethene	3.96	96	19146	0.518	ug/L #	93
23) Bromochloromethane	4.30	128	9695	0.583	ug/L	89
25) Chloroform	4.42	83	43467	0.615	ug/L	97
27) 1,2-Dichloroethane	5.19	62	19278	0.487	ug/L #	95
29) 1,1,1-Trichloroethane	4.66	97	29989	0.528	ug/L	96
30) Cyclohexane	4.72	56	27778	0.471	ug/L	96
31) Carbon tetrachloride	4.87	117	25899	0.508	ug/L	98
33) Benzene	5.15	78	74490	0.524	ug/L	100
34) Trichloroethene	5.96	95	21450	0.560	ug/L	93
35) Methylcyclohexane	6.17	83	29280	0.492	ug/L	95
37) 1,2-Dichloropropane	6.22	63	17202	0.481	ug/L #	93
38) Bromodichloromethane	6.55	83	24588	0.538	ug/L #	95
39) cis-1,3-Dichloropropene	7.07	75	23799	0.493	ug/L	96
40) 4-Methyl-2-pentanone	7.28	43	93116	4.617	ug/L	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	70709	0.480	ug/L	97
44) trans-1,3-Dichloropropene	7.69	75	18602	0.483	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	12840	0.522	ug/L	93
47) Tetrachloroethene	8.02	164	17798	0.523	ug/L	96
48) 2-Hexanone	8.19	43	65570	4.651	ug/L	95
49) Dibromochloromethane	8.29	129	15136	0.498	ug/L	97
50) 1,2-Dibromoethane	8.40	107	11590	0.504	ug/L #	91
51) Chlorobenzene	8.92	112	52964	0.546	ug/L	99
52) Ethylbenzene	9.05	91	77635	0.492	ug/L	96
53) m,p-xylene	9.18	106	25873	0.438	ug/L	93
54) o-xylene	9.59	106	26058	0.466	ug/L	97
55) Styrene	9.60	104	42795	0.451	ug/L	100
56) Isopropylbenzene	9.97	105	69756	0.457	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.28	83	12100	0.465	ug/L	94
59) 1,2,3-Trichloropropane	10.32	75	10816	0.519	ug/L	92
61) Bromoform	9.77	173	8613	0.515	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	43315	0.570	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	45984	0.613	ug/L	96
65) 1,2-Dichlorobenzene	11.68	146	41482	0.606	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.48	75	2003	0.546	ug/L	86
67) 1,3,5-Trichlorobenzene	12.69	180	34325	0.590	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	27868	0.633	ug/L	95
69) Naphthalene	13.55	128	36240	0.609	ug/L	98
70) 1,2,3-Trichlorobenzene	13.79	180	26844	0.652	ug/L	96

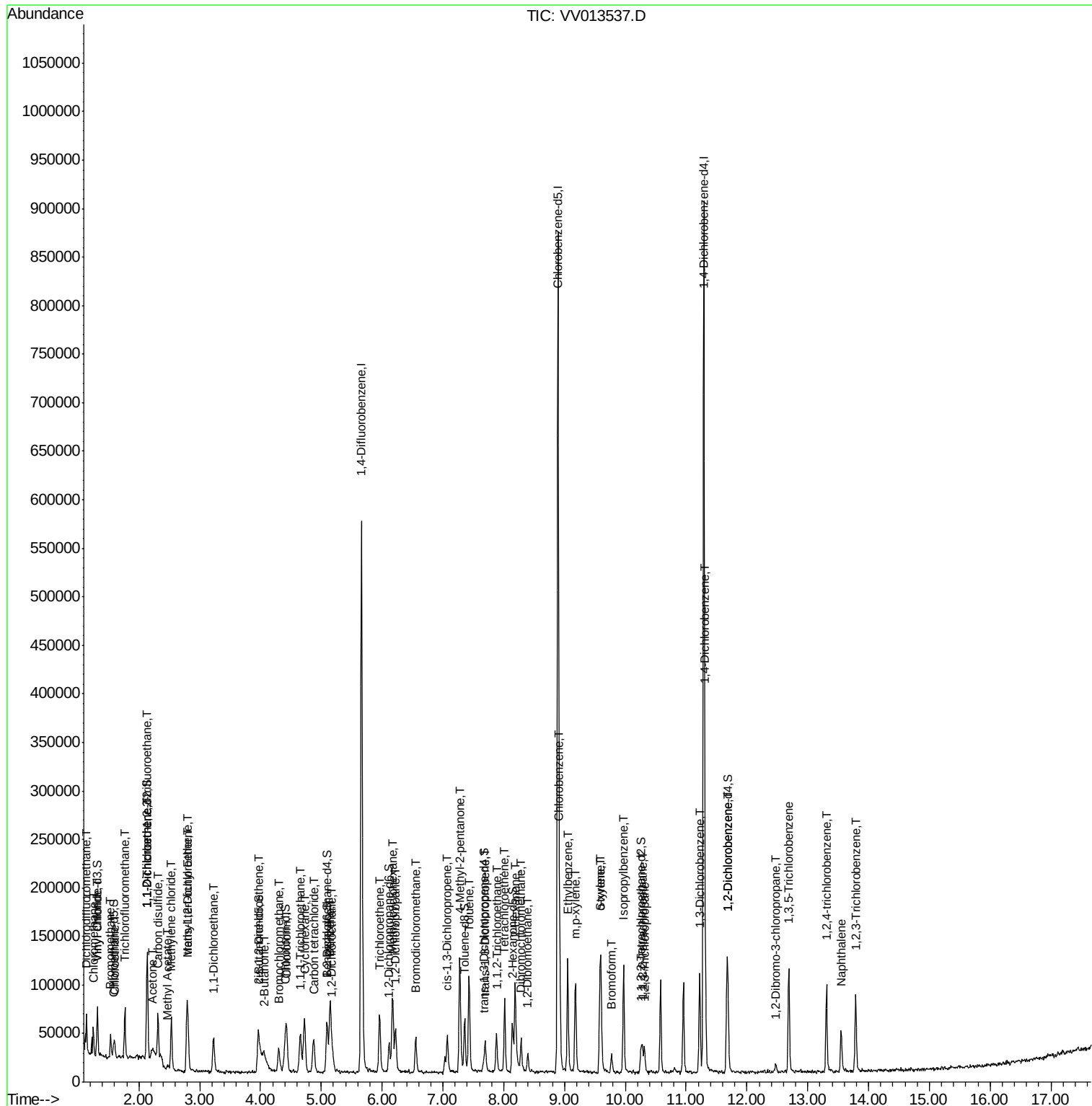
(#) = qualifier out of range (m) = manual integration (+) = signals summed

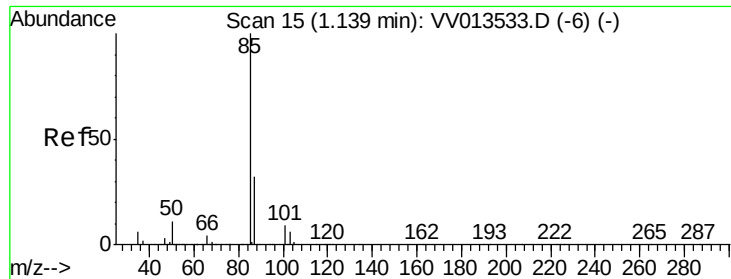
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#2

Dichlorodifluoromethane

Concen: 0.513 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

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Acq: 08 Nov 2019 12:21

Instrument :

MSVOA_V

ClientSampleId :

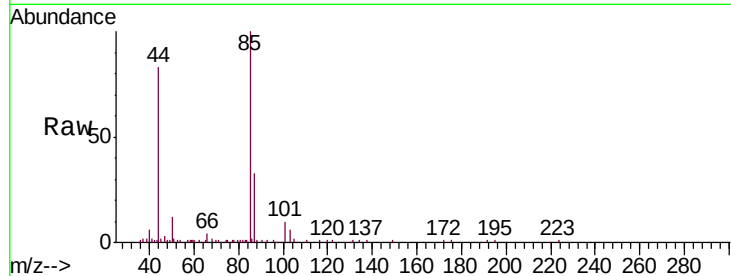
VSTD0.535

Tgt Ion: 85 Resp: 24753

Ion Ratio Lower Upper

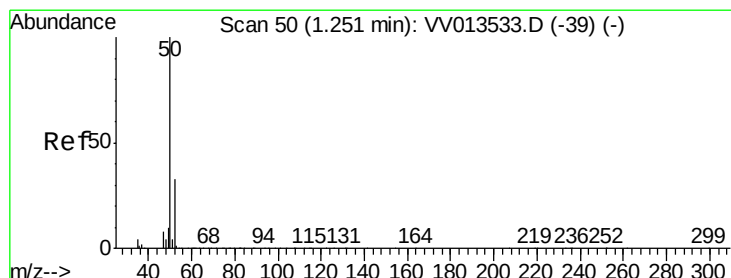
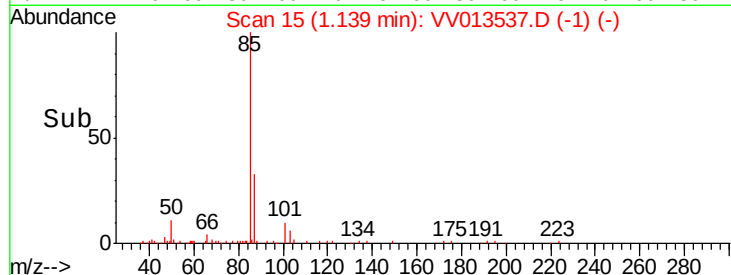
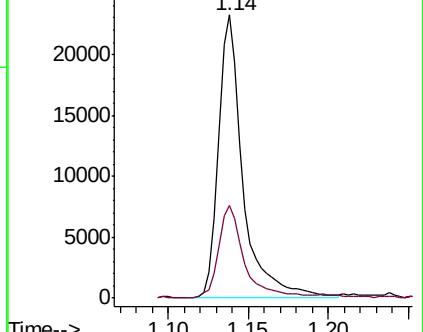
85 100

87 34.2 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 0.519 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV013537.D

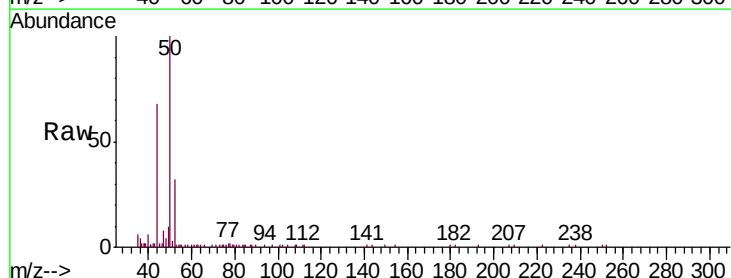
Acq: 08 Nov 2019 12:21

Tgt Ion: 50 Resp: 21629

Ion Ratio Lower Upper

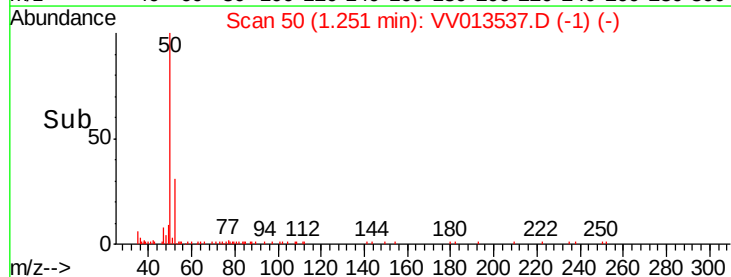
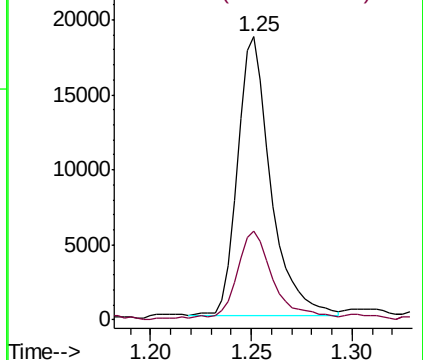
50 100

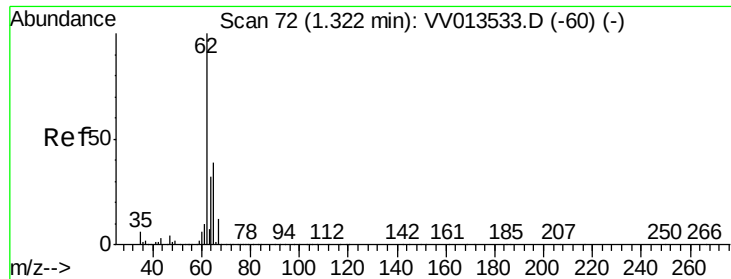
52 31.5 23.0 42.6



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 0.521 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV013537.D

Acq: 08 Nov 2019 12:21

Instrument :

MSVOA_V

ClientSampleId :

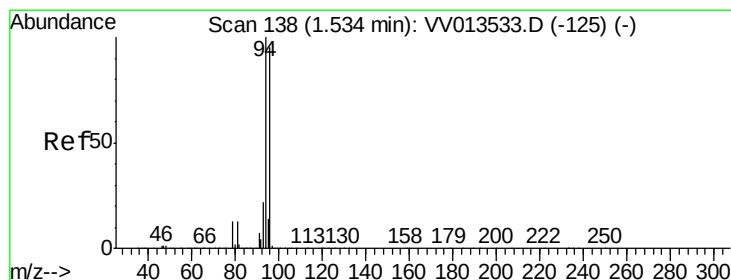
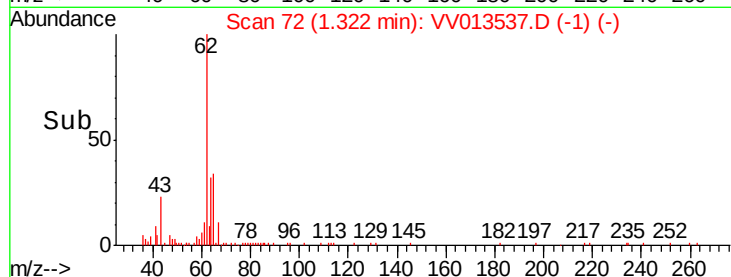
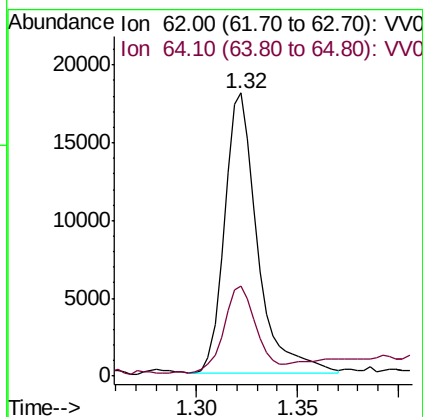
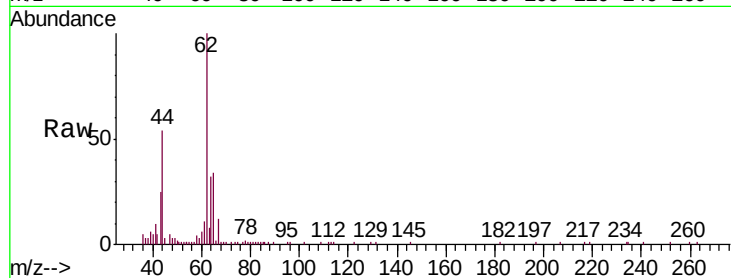
VSTD0.535

Tgt Ion: 62 Resp: 20781

Ion Ratio Lower Upper

62 100

64 31.7 22.4 41.6



#6

Bromomethane

Concen: 0.541 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV013537.D

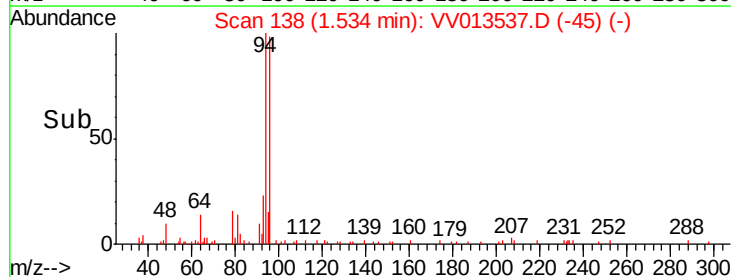
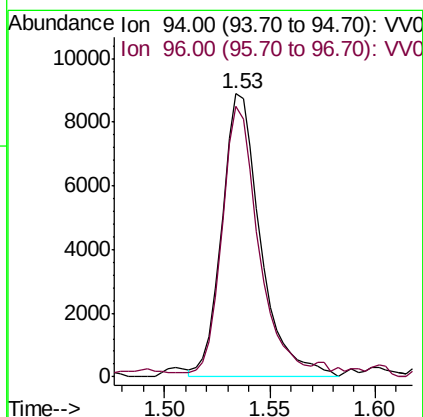
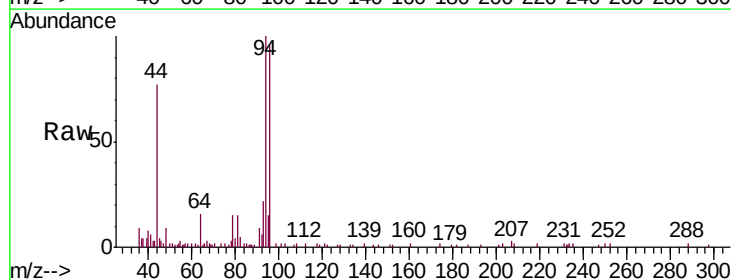
Acq: 08 Nov 2019 12:21

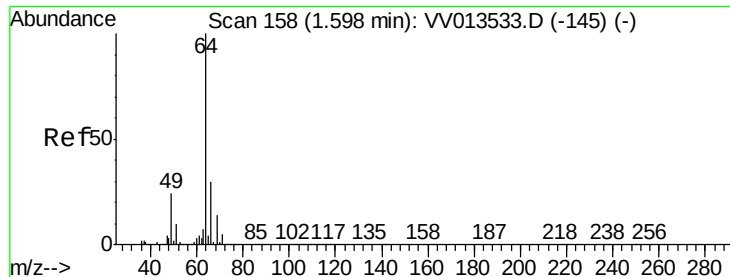
Tgt Ion: 94 Resp: 11325

Ion Ratio Lower Upper

94 100

96 95.6 66.4 123.4

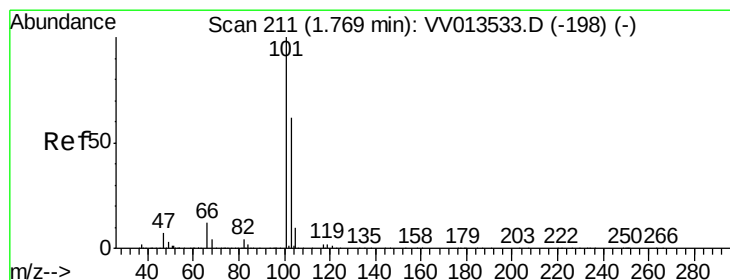
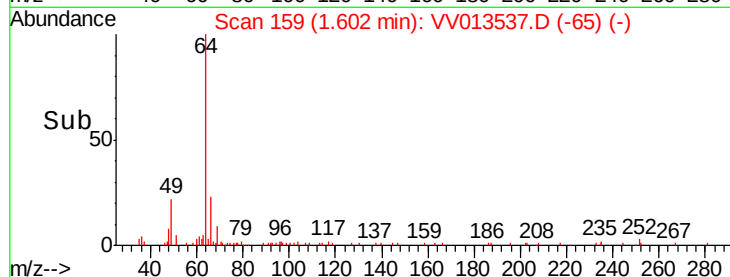
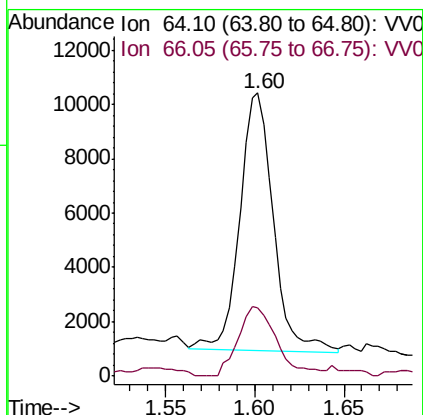
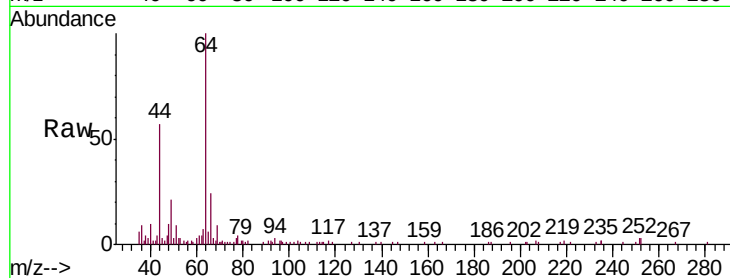




#8
Chloroethane
Concen: 0.555 ug/L
RT: 1.60 min Scan# 159
Delta R.T. 0.00 min
Lab File: VV013537.D
Acq: 08 Nov 2019 12:21

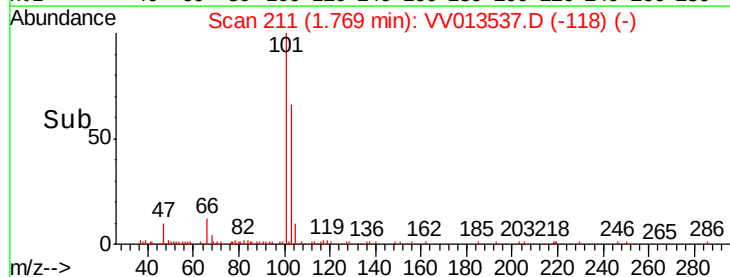
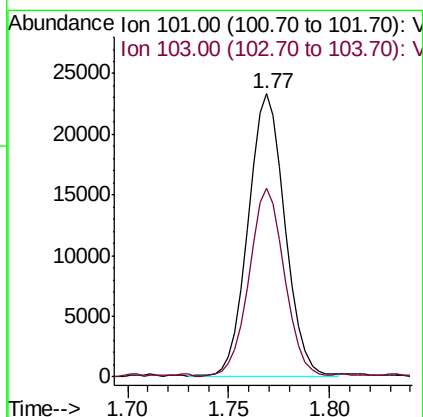
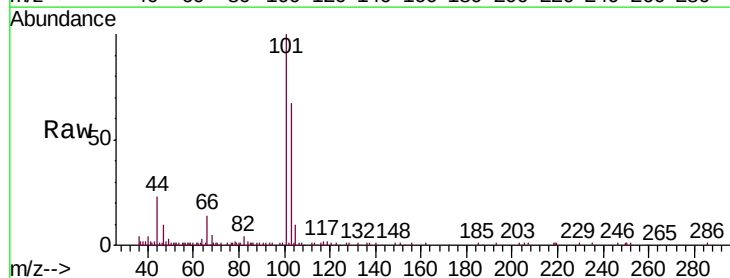
Instrument :
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VSTD0.535

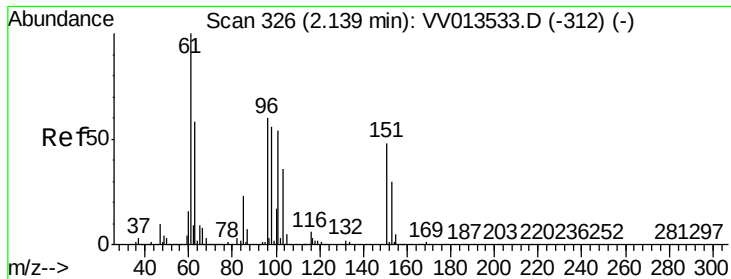
Tgt Ion: 64 Resp: 12298
Ion Ratio Lower Upper
64 100
66 24.2 21.1 39.3



#9
Trichlorofluoromethane
Concen: 0.565 ug/L
RT: 1.77 min Scan# 211
Delta R.T. 0.00 min
Lab File: VV013537.D
Acq: 08 Nov 2019 12:21

Tgt Ion: 101 Resp: 29960
Ion Ratio Lower Upper
101 100
103 64.5 50.5 75.7





#10

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

Concen: 0.559 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV013537.D

Acq: 08 Nov 2019 12:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.535

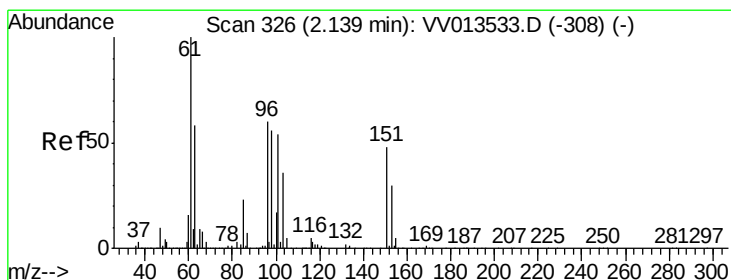
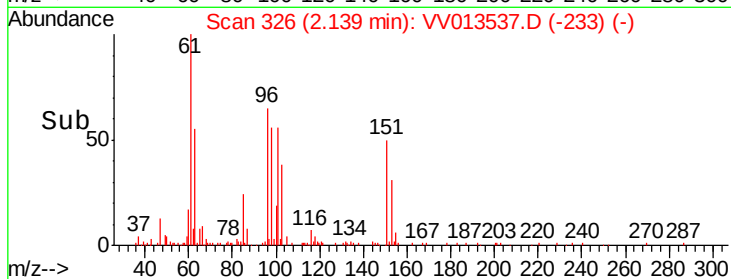
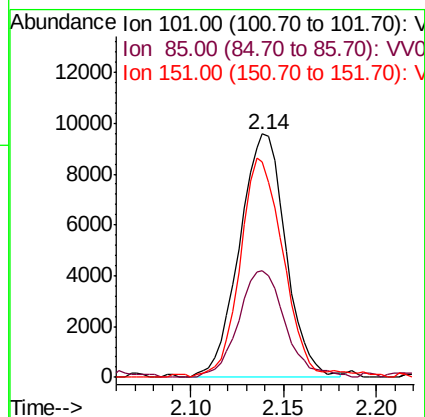
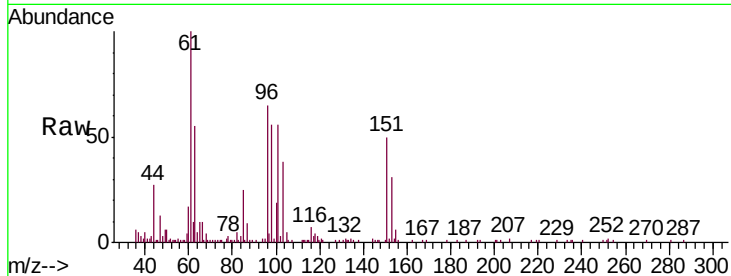
Tgt Ion: 101 Resp: 16666

Ion Ratio Lower Upper

101 100

85 44.0 33.8 50.8

151 84.5 69.5 104.3



#12

1,1-Dichloroethene

Concen: 0.590 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV013537.D

Acq: 08 Nov 2019 12:21

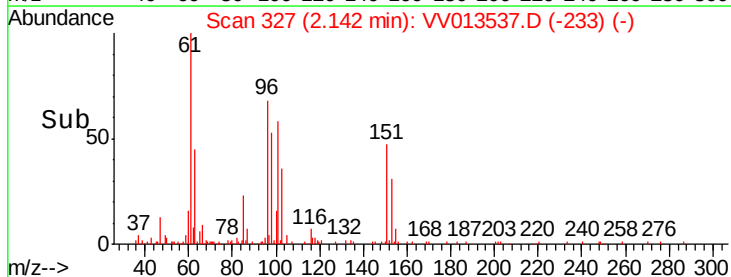
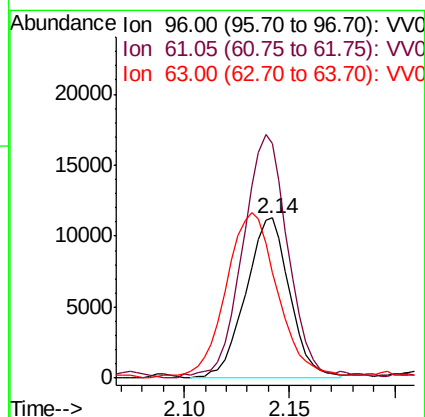
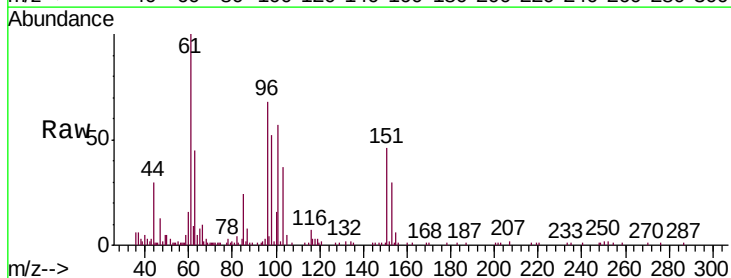
Tgt Ion: 96 Resp: 16278

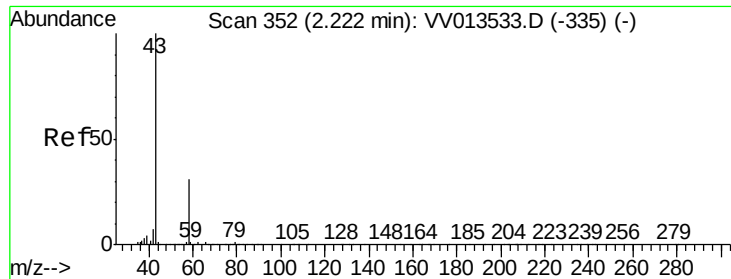
Ion Ratio Lower Upper

96 100

61 146.6 117.1 217.5

63 65.6 68.5 127.1#





#13

Acetone

Concen: 3.320 ug/L

RT: 2.23 min Scan# 353

Delta R.T. 0.00 min

Lab File: VV013537.D

Acq: 08 Nov 2019 12:21

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ClientSampleId :

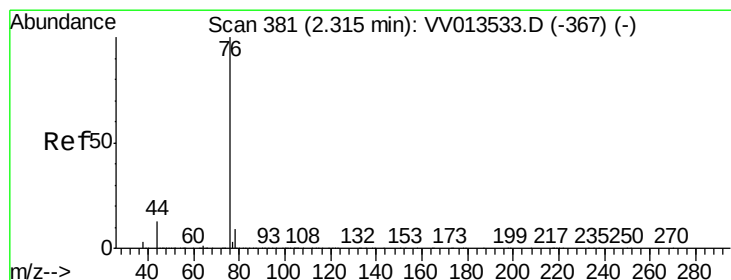
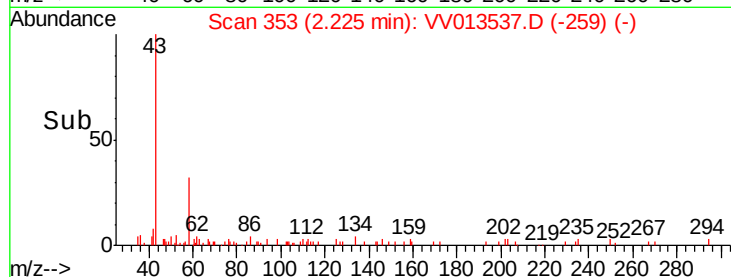
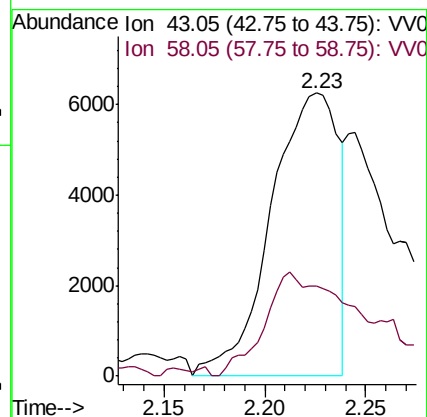
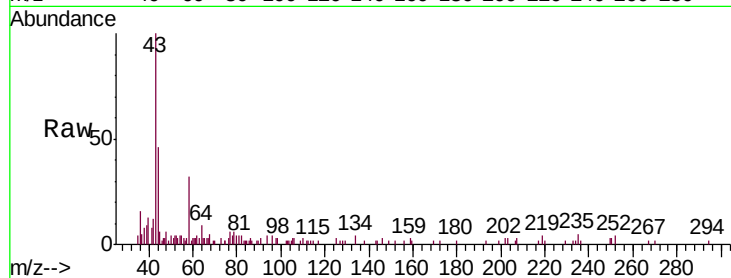
VSTD0.535

Tgt Ion: 43 Resp: 14514

Ion Ratio Lower Upper

43 100

58 45.1 0.0 60.8



#14

Carbon disulfide

Concen: 0.587 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV013537.D

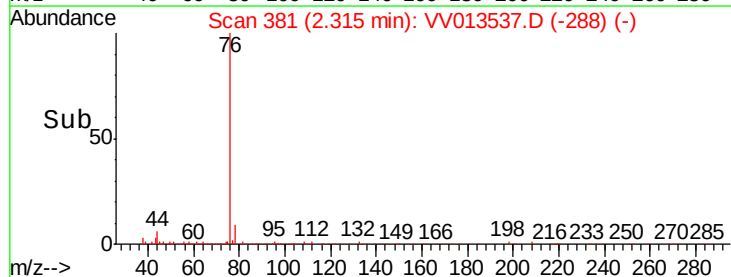
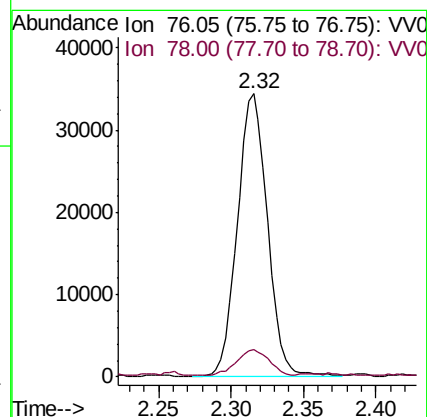
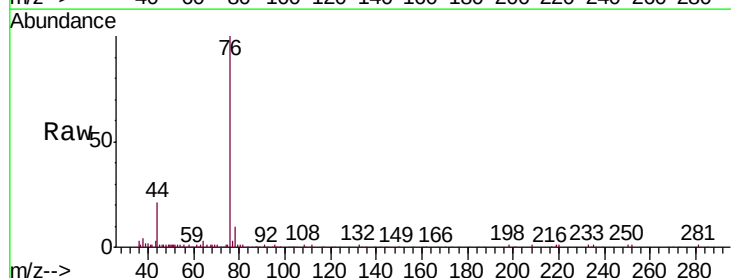
Acq: 08 Nov 2019 12:21

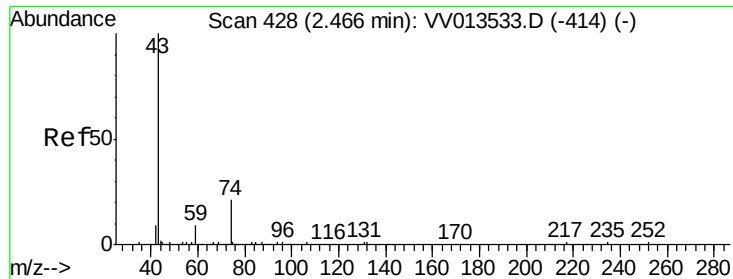
Tgt Ion: 76 Resp: 49759

Ion Ratio Lower Upper

76 100

78 9.7 7.5 11.3

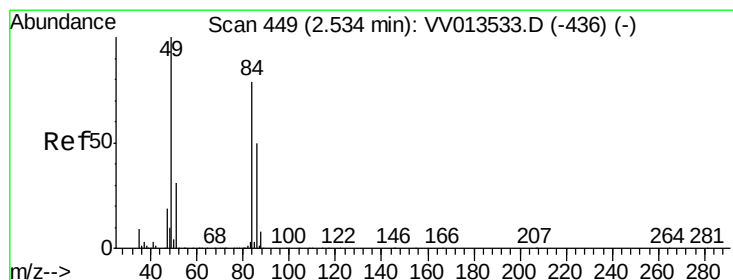
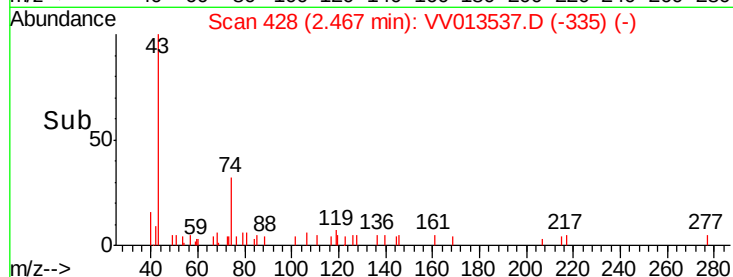
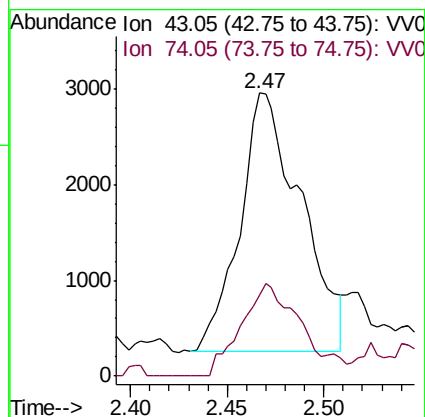
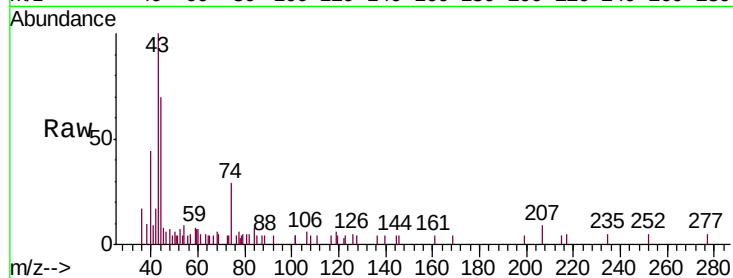




#15
Methyl Acetate
Concen: 0.452 ug/L
RT: 2.47 min Scan# 428
Delta R.T. 0.00 min
Lab File: VV013537.D
Acq: 08 Nov 2019 12:21

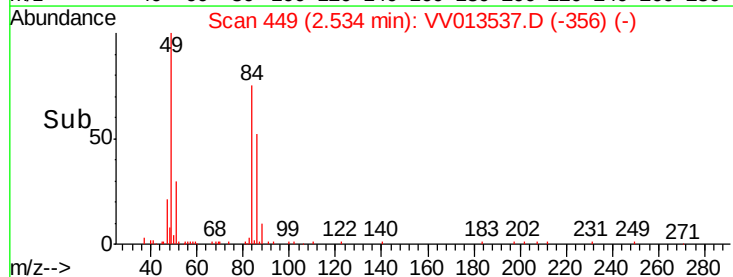
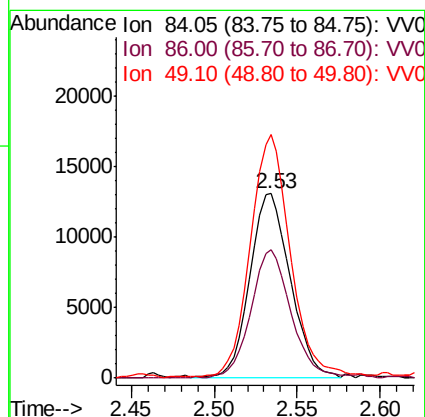
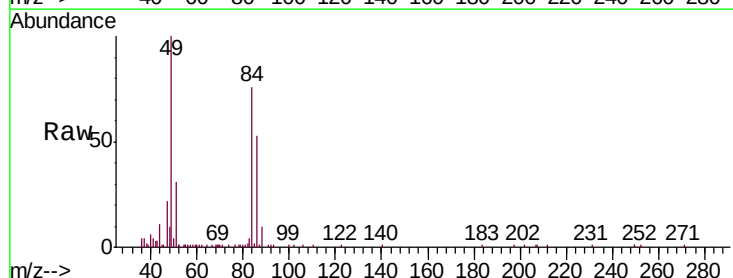
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.535

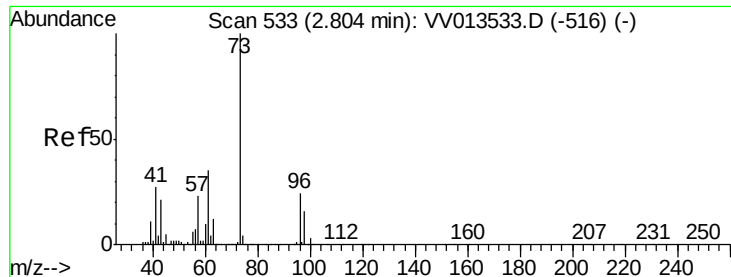
Tgt Ion: 43 Resp: 5943
Ion Ratio Lower Upper
43 100
74 35.1 19.4 29.0#



#16
Methylene chloride
Concen: 0.571 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV013537.D
Acq: 08 Nov 2019 12:21

Tgt Ion: 84 Resp: 22348
Ion Ratio Lower Upper
84 100
86 69.5 44.2 82.2
49 132.0 88.8 164.8

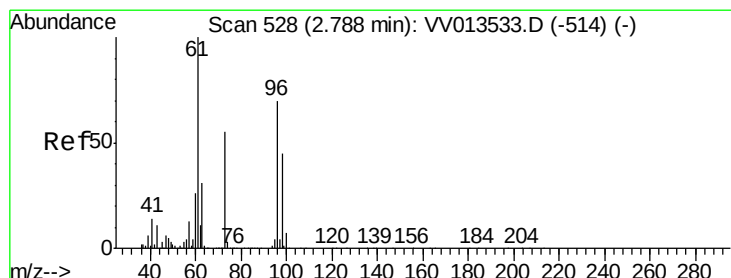
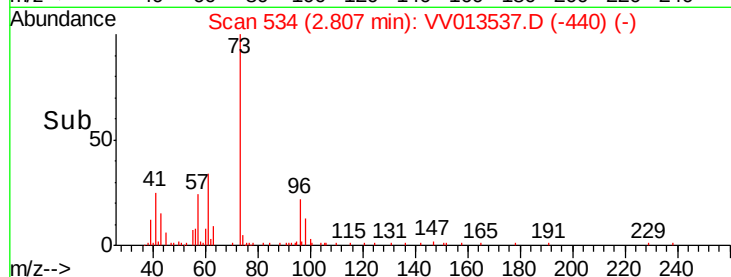
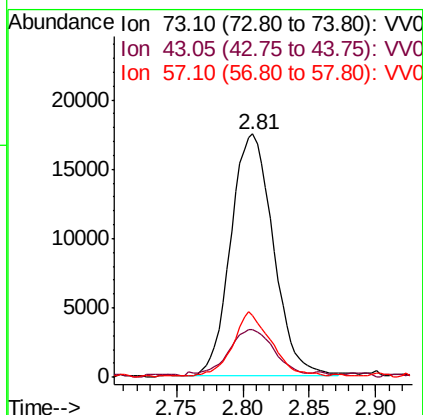
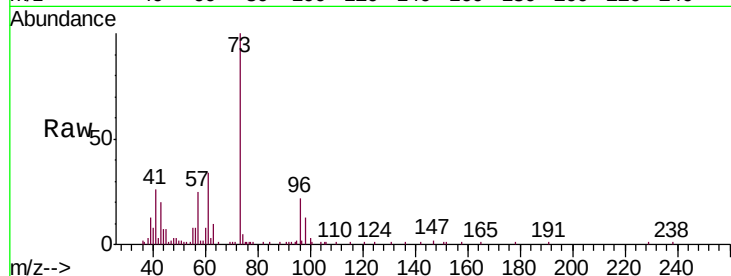




#17
Methyl tert-butyl Ether
Concen: 0.510 ug/L
RT: 2.81 min Scan# 534
Delta R.T. 0.00 min
Lab File: VV013537.D
Acq: 08 Nov 2019 12:21

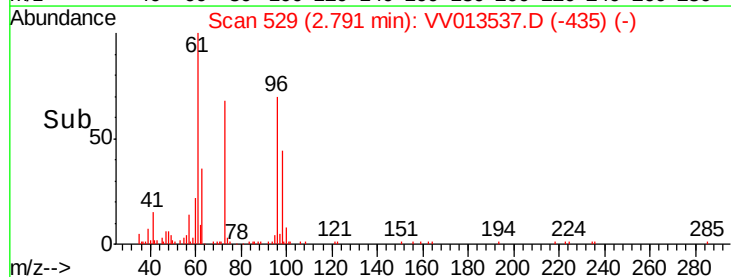
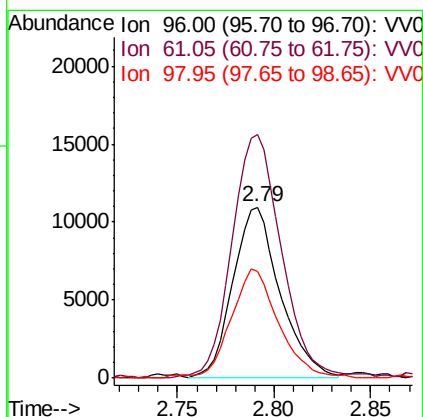
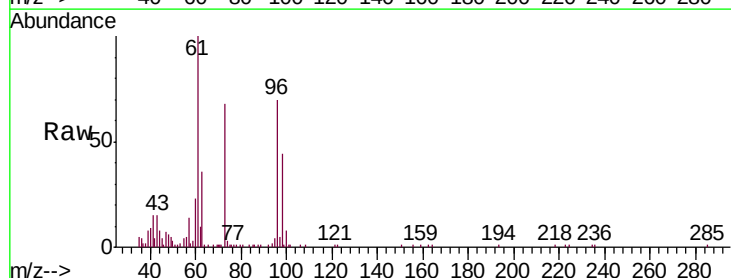
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.535

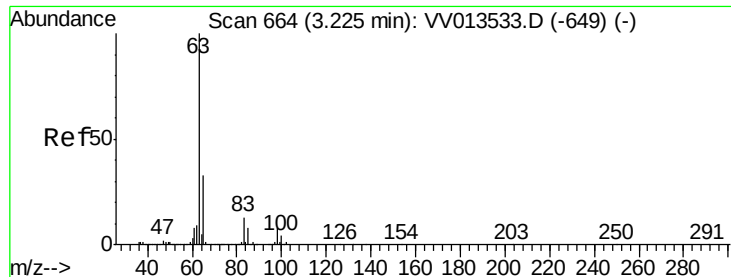
Tgt Ion: 73 Resp: 38813
Ion Ratio Lower Upper
73 100
43 20.5 16.4 24.6
57 24.0 18.2 27.2



#18
trans-1,2-Dichloroethene
Concen: 0.525 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV013537.D
Acq: 08 Nov 2019 12:21

Tgt Ion: 96 Resp: 18669
Ion Ratio Lower Upper
96 100
61 142.1 100.0 185.8
98 62.5 45.3 84.1

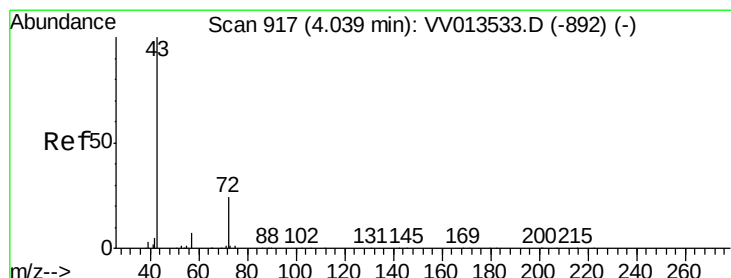
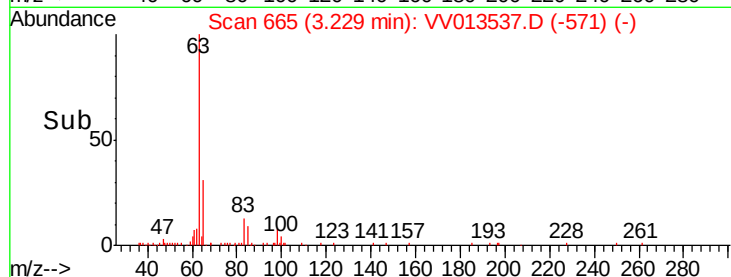
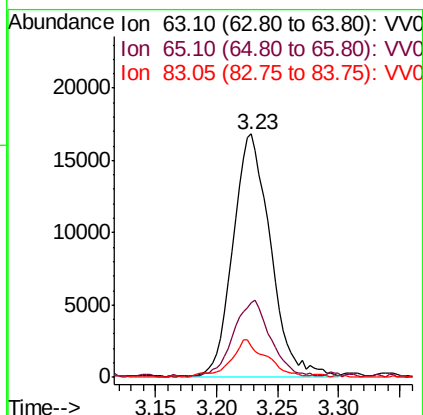
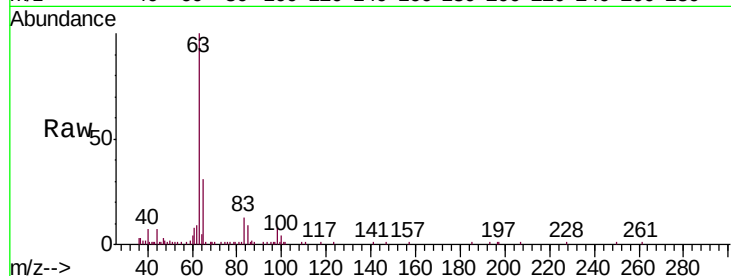




#19
 1,1-Dichloroethane
 Concen: 0.537 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV013537.D
 Acq: 08 Nov 2019 12:21

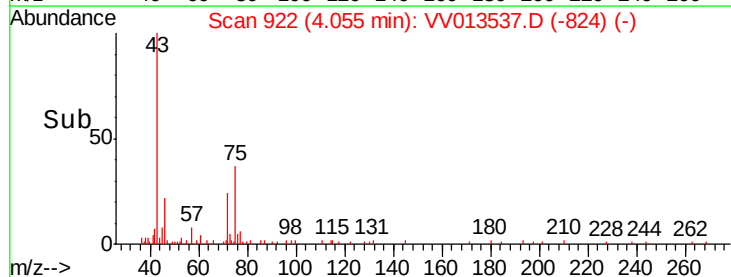
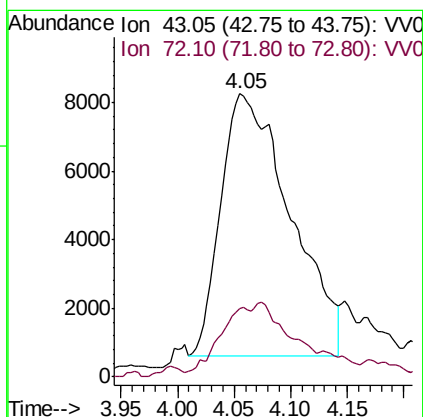
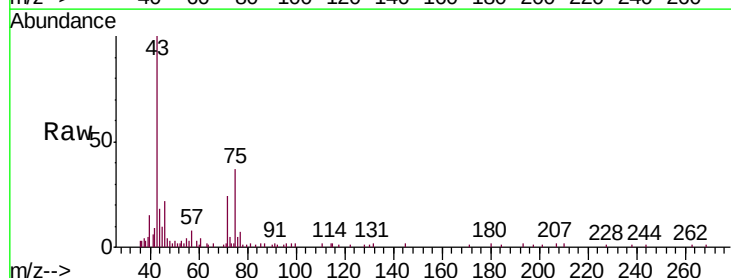
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.535

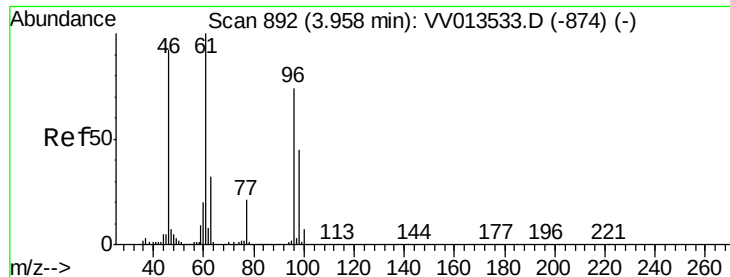
Tgt Ion: 63 Resp: 36074
 Ion Ratio Lower Upper
 63 100
 65 30.7 22.9 42.5
 83 13.0 9.1 16.9



#21
 2-Butanone
 Concen: 3.940 ug/L
 RT: 4.05 min Scan# 922
 Delta R.T. 0.02 min
 Lab File: VV013537.D
 Acq: 08 Nov 2019 12:21

Tgt Ion: 43 Resp: 32747
 Ion Ratio Lower Upper
 43 100
 72 11.0 11.6 34.7#



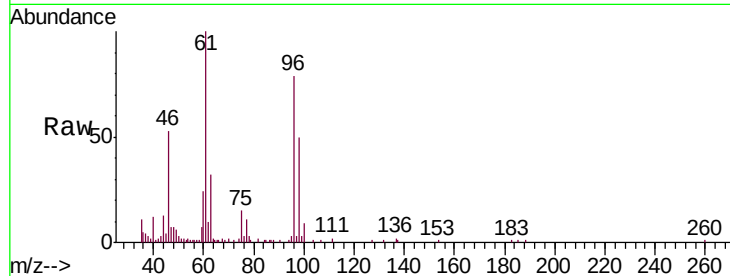


#22

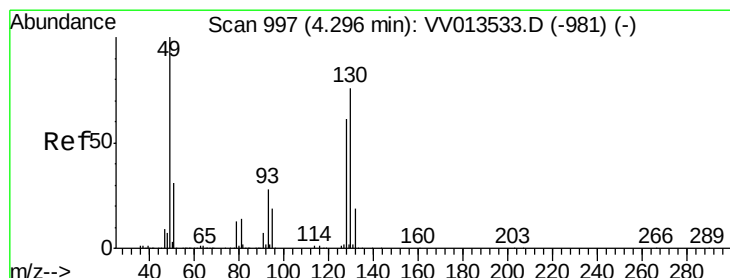
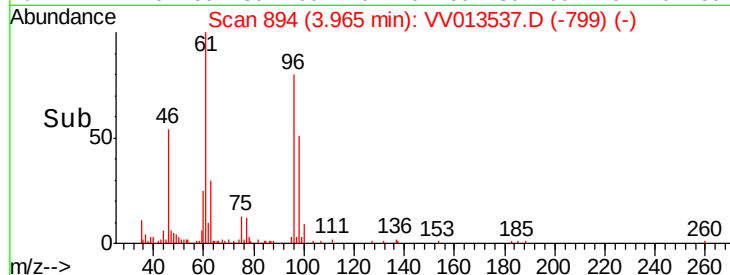
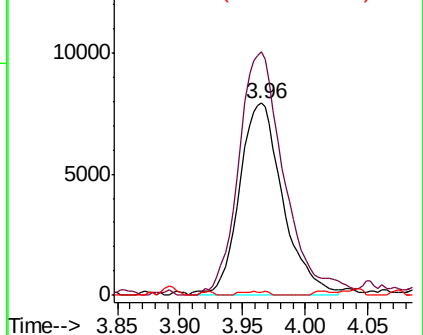
cis-1,2-Dichloroethene
 Concen: 0.518 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. 0.01 min
 Lab File: VV013537.D
 Acq: 08 Nov 2019 12:21

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.535

Tgt Ion: 96 Resp: 19146
 Ion Ratio Lower Upper
 96 100
 61 126.6 94.6 175.8
 68 1.8 0.1 0.3#



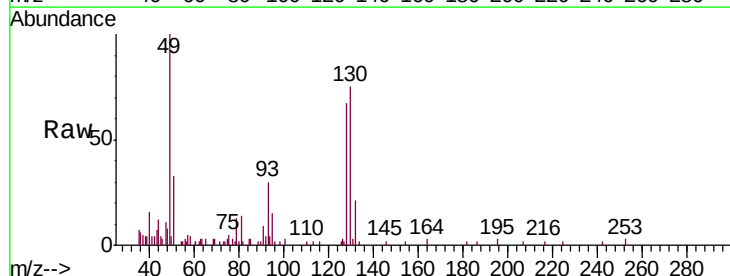
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



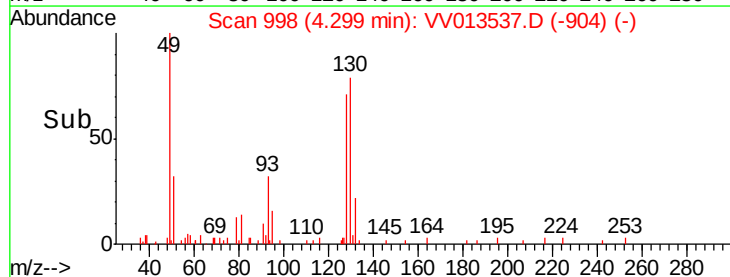
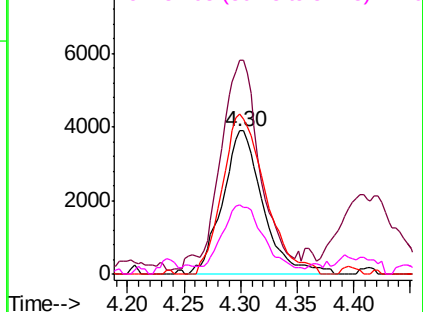
#23

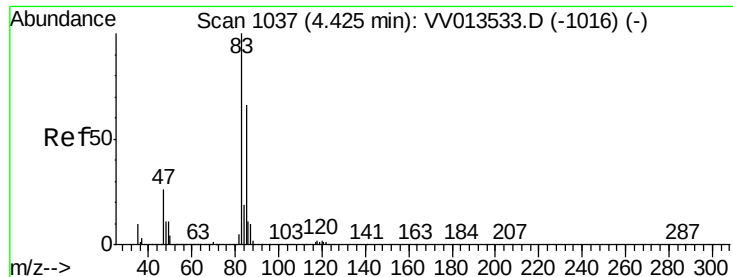
Bromochloromethane
 Concen: 0.583 ug/L
 RT: 4.30 min Scan# 998
 Delta R.T. 0.00 min
 Lab File: VV013537.D
 Acq: 08 Nov 2019 12:21

Tgt Ion: 128 Resp: 9695
 Ion Ratio Lower Upper
 128 100
 49 149.5 115.9 215.3
 130 111.6 87.6 162.6
 51 48.6 40.6 61.0



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

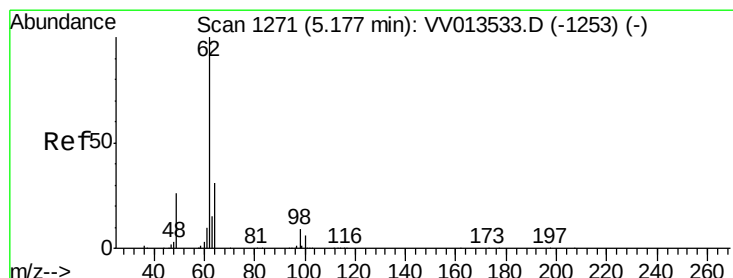
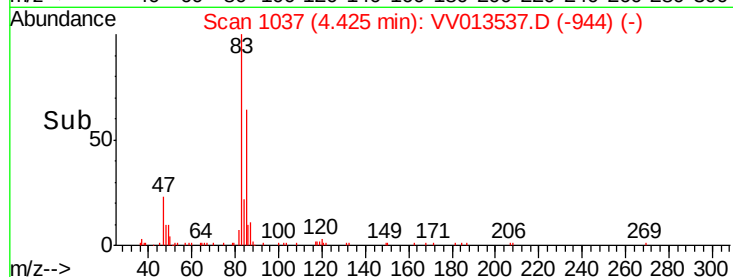
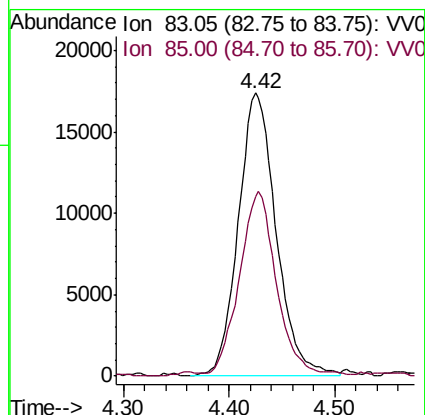
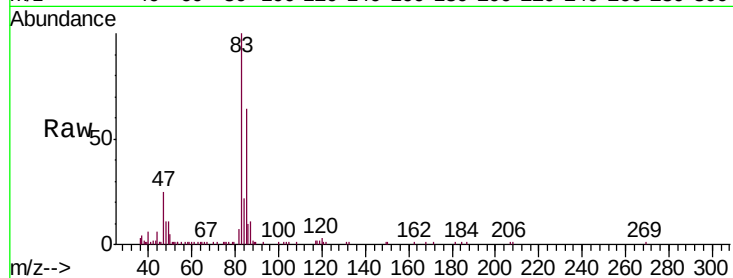




#25
Chloroform
Concen: 0.615 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV013537.D
Acq: 08 Nov 2019 12:21

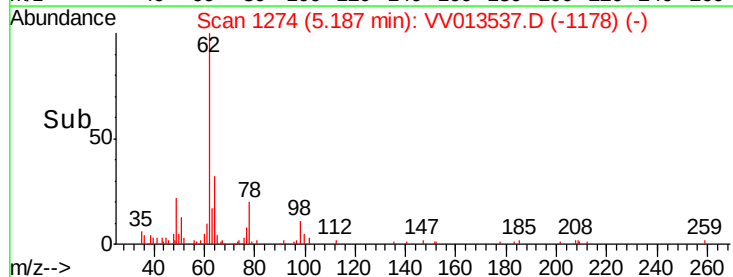
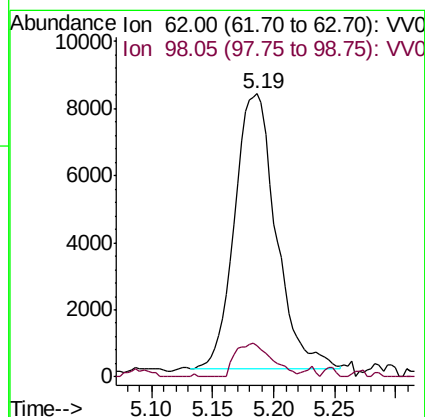
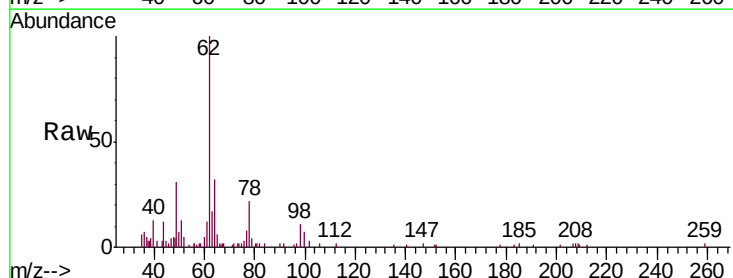
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.535

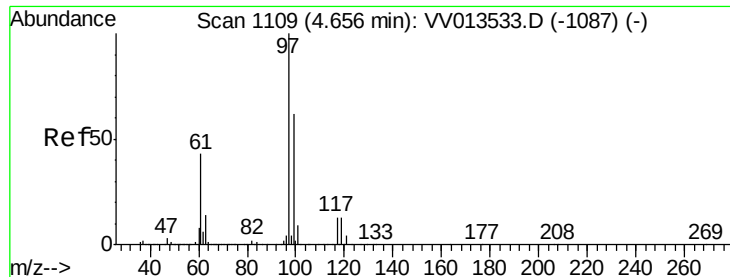
Tgt Ion: 83 Resp: 43467
Ion Ratio Lower Upper
83 100
85 63.6 46.3 86.1



#27
1,2-Dichloroethane
Concen: 0.487 ug/L
RT: 5.19 min Scan# 1274
Delta R.T. 0.01 min
Lab File: VV013537.D
Acq: 08 Nov 2019 12:21

Tgt Ion: 62 Resp: 19278
Ion Ratio Lower Upper
62 100
98 11.1 7.4 11.0#





#29

1,1,1-Trichloroethane

Concen: 0.528 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VV013537.D

Acq: 08 Nov 2019 12:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.535

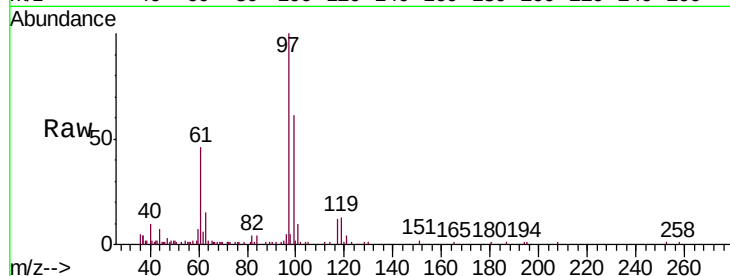
Tgt Ion: 97 Resp: 29989

Ion Ratio Lower Upper

97 100

99 65.4 50.4 75.6

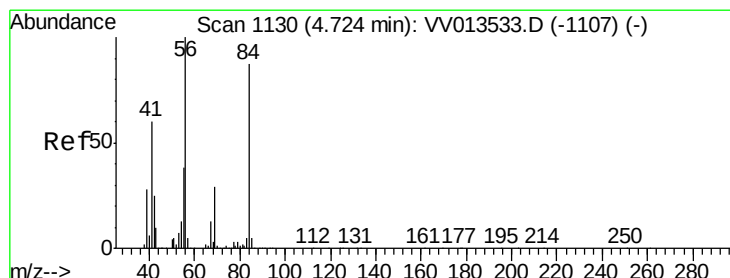
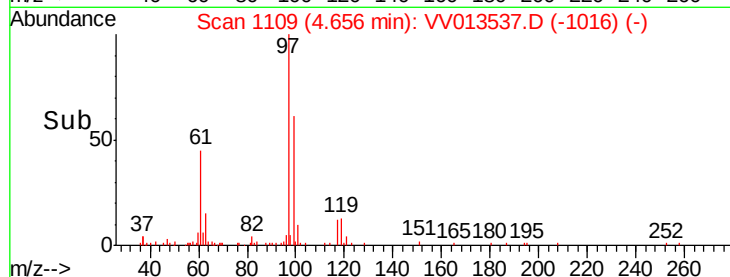
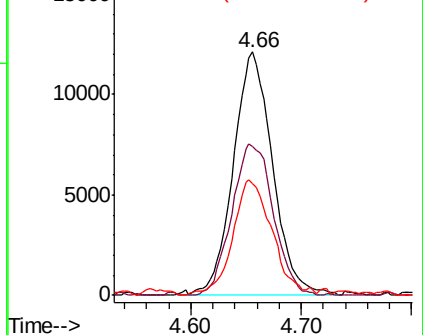
61 47.4 35.5 53.3



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: 0.471 ug/L

RT: 4.72 min Scan# 1129

Delta R.T. -0.00 min

Lab File: VV013537.D

Acq: 08 Nov 2019 12:21

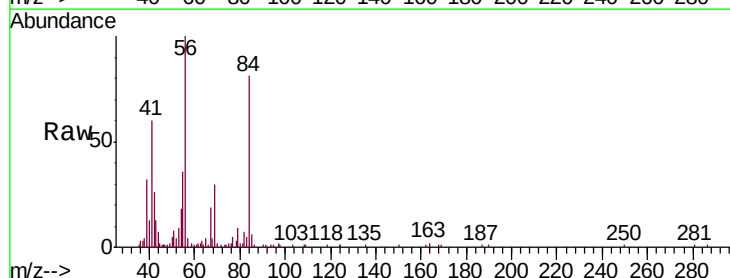
Tgt Ion: 56 Resp: 27778

Ion Ratio Lower Upper

56 100

69 31.7 22.9 34.3

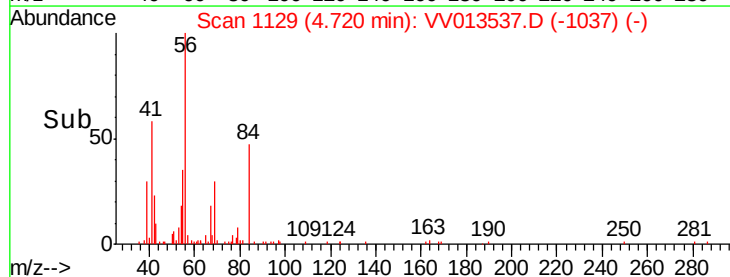
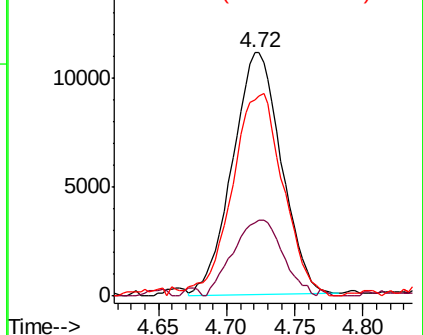
84 87.2 67.2 100.8

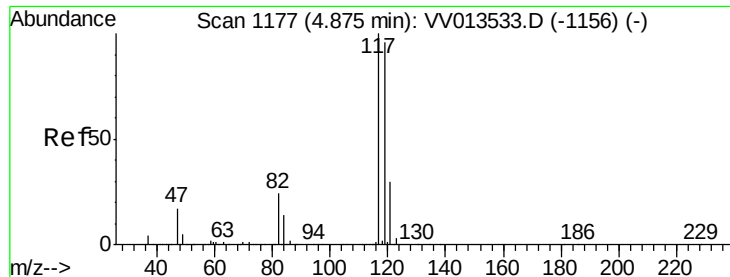


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 0.508 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV013537.D

Acq: 08 Nov 2019 12:21

Instrument :

MSVOA_V

ClientSampleId :

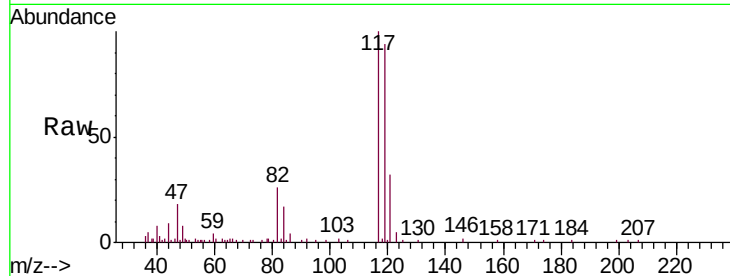
VSTD0.535

Tgt Ion:117 Resp: 25899

Ion Ratio Lower Upper

117 100

119 98.4 77.0 115.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.87

12000

10000

8000

6000

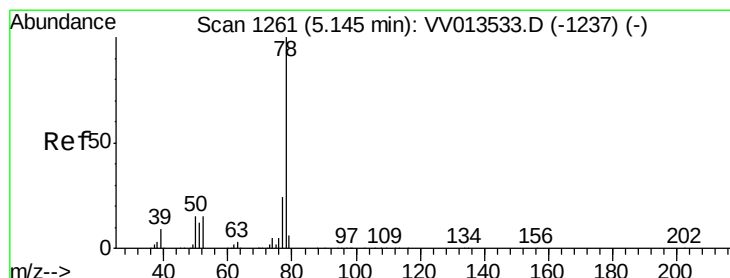
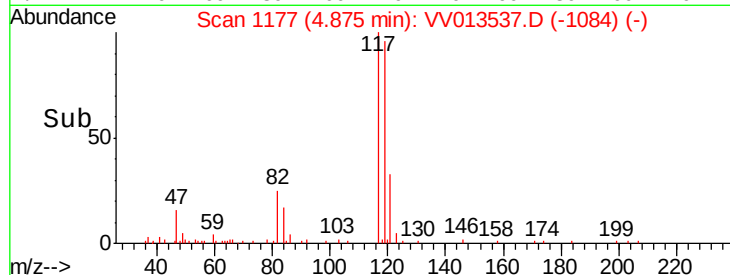
4000

2000

0

Time-->

4.80 4.85 4.90 4.95



#33

Benzene

Concen: 0.524 ug/L

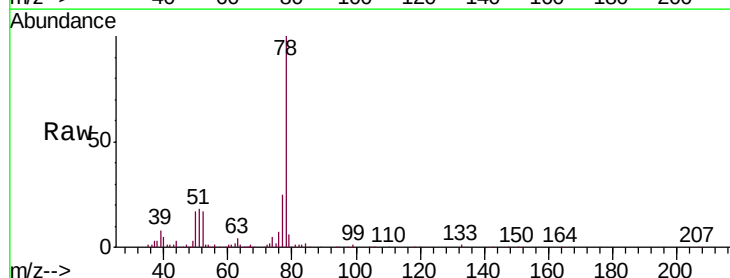
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VV013537.D

Acq: 08 Nov 2019 12:21

Tgt Ion: 78 Resp: 74490



Abundance Ion 78.10 (77.80 to 78.80): VV0

5.15

30000

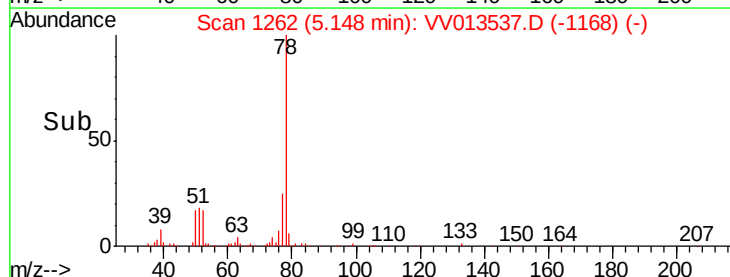
20000

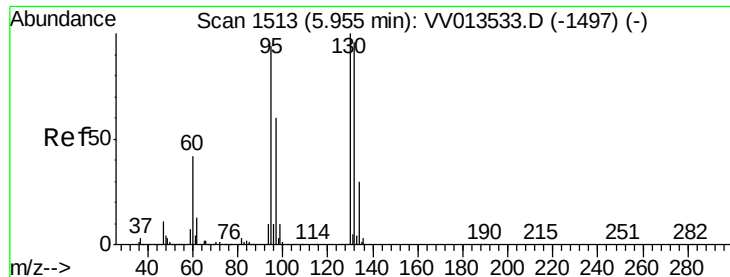
10000

0

Time-->

5.00 5.10 5.20

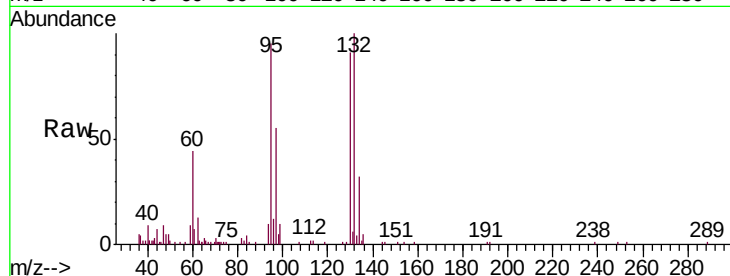




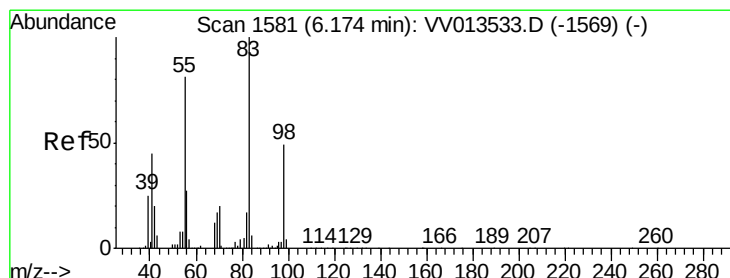
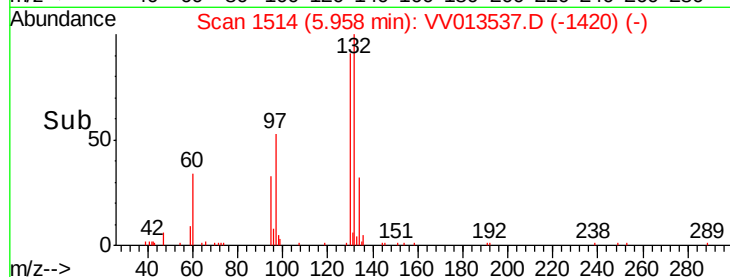
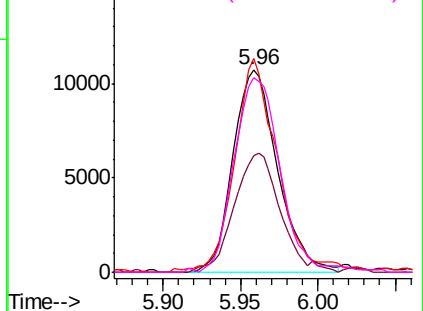
#34
 Trichloroethene
 Concen: 0.560 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV013537.D
 Acq: 08 Nov 2019 12:21

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.535

Tgt Ion: 95 Resp: 21450
 Ion Ratio Lower Upper
 95 100
 97 57.4 44.7 83.1
 132 105.3 71.6 133.0
 130 95.8 74.6 138.6

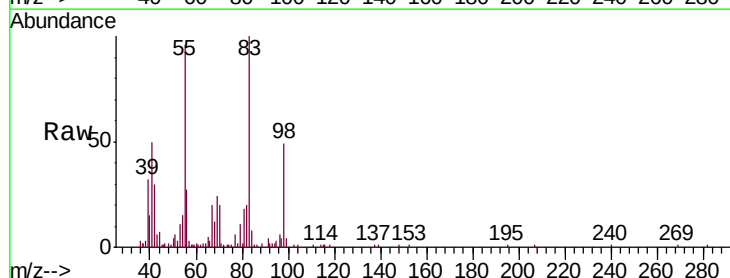


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

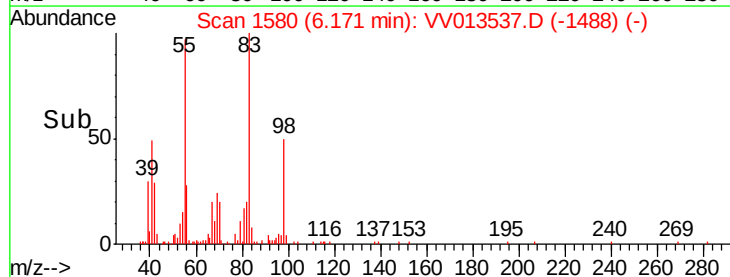
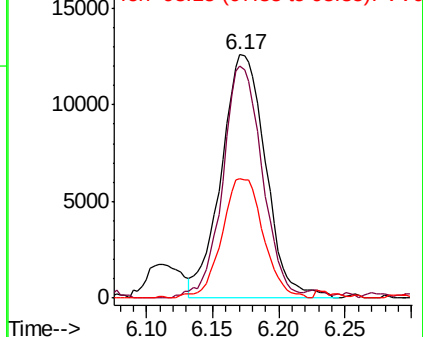


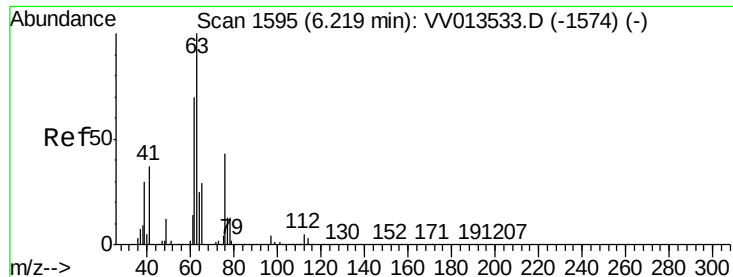
#35
 Methylcyclohexane
 Concen: 0.492 ug/L
 RT: 6.17 min Scan# 1580
 Delta R.T. -0.00 min
 Lab File: VV013537.D
 Acq: 08 Nov 2019 12:21

Tgt Ion: 83 Resp: 29280
 Ion Ratio Lower Upper
 83 100
 55 84.8 63.8 95.8
 98 45.8 38.4 57.6



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

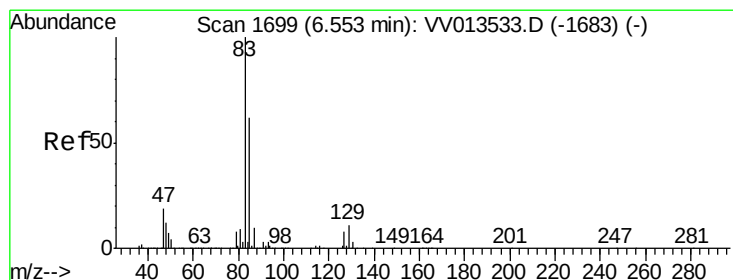
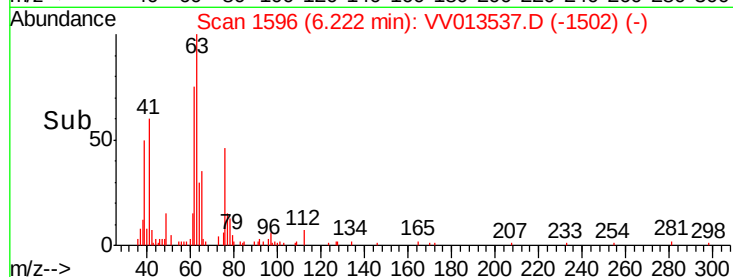
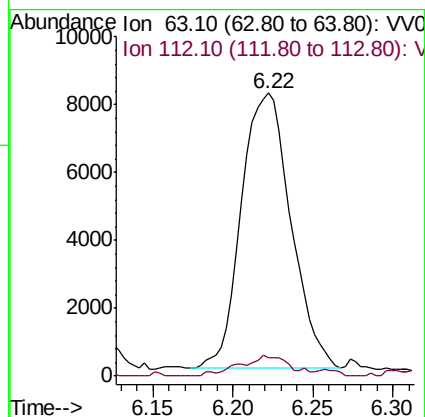
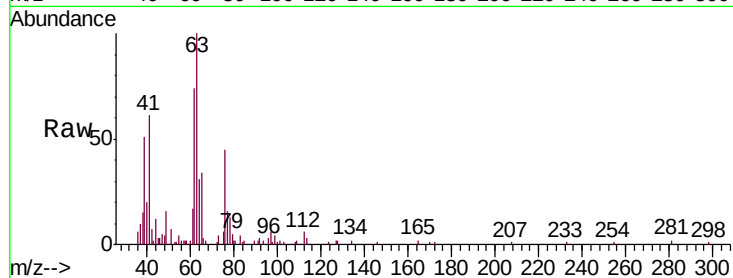




#37
 1,2-Dichloropropane
 Concen: 0.481 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. 0.00 min
 Lab File: VV013537.D
 Acq: 08 Nov 2019 12:21

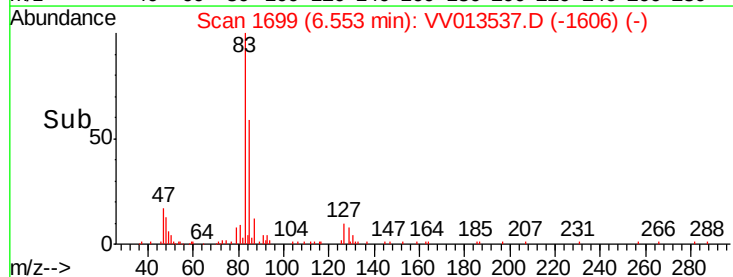
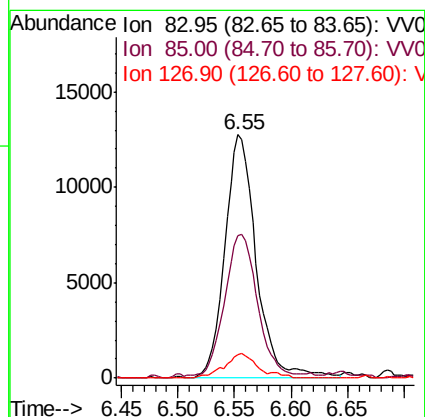
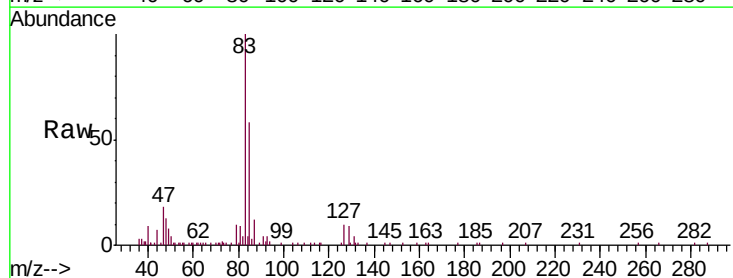
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.535

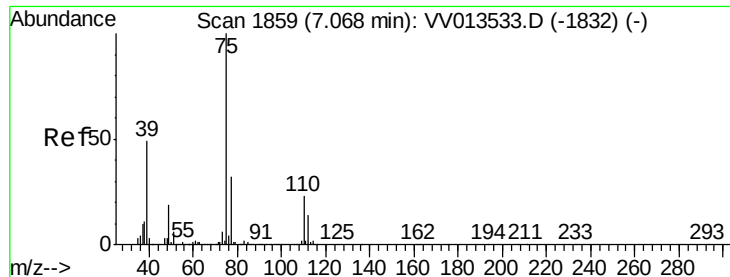
Tgt Ion: 63 Resp: 17202
 Ion Ratio Lower Upper
 63 100
 112 7.0 3.8 5.6#



#38
 Bromodichloromethane
 Concen: 0.538 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV013537.D
 Acq: 08 Nov 2019 12:21

Tgt Ion: 83 Resp: 24588
 Ion Ratio Lower Upper
 83 100
 85 58.5 43.6 81.0
 127 9.9 6.5 9.7#

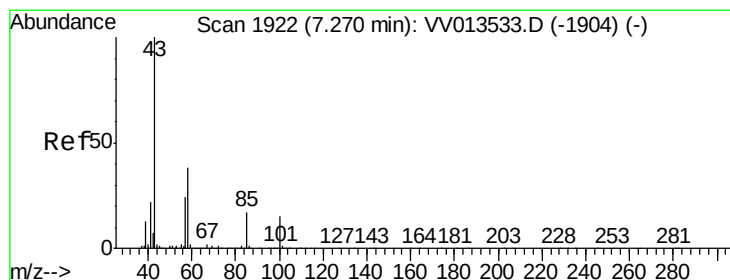
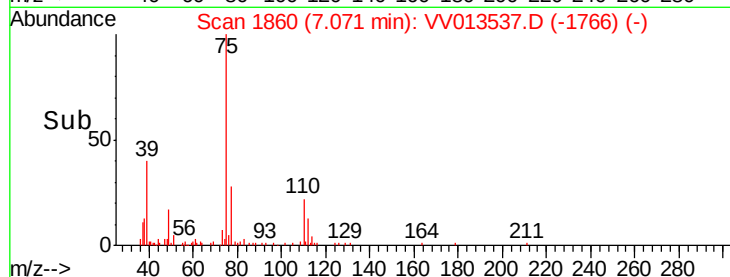
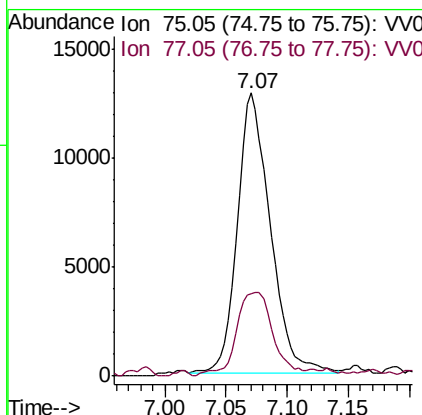
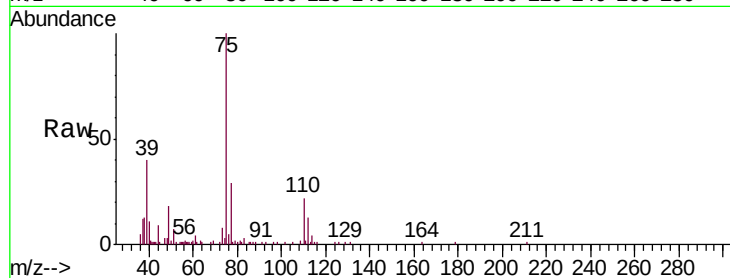




#39
 cis-1,3-Dichloropropene
 Concen: 0.493 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV013537.D
 Acq: 08 Nov 2019 12:21

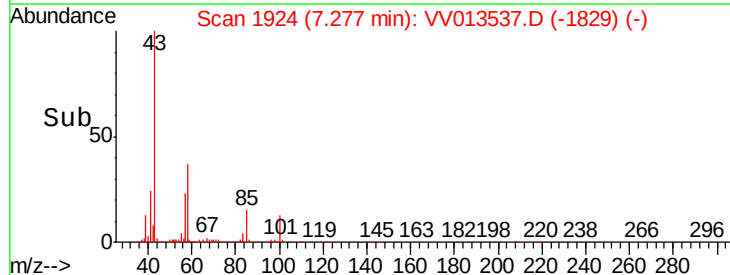
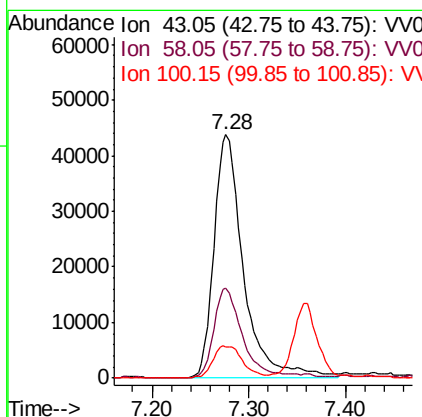
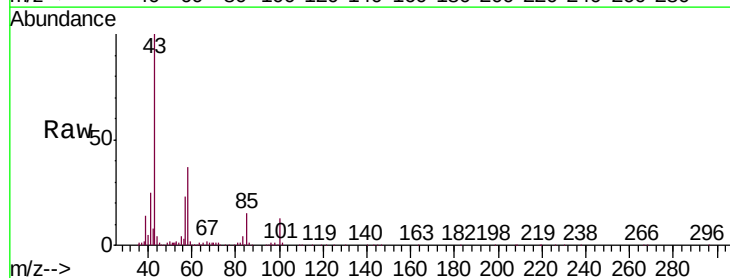
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.535

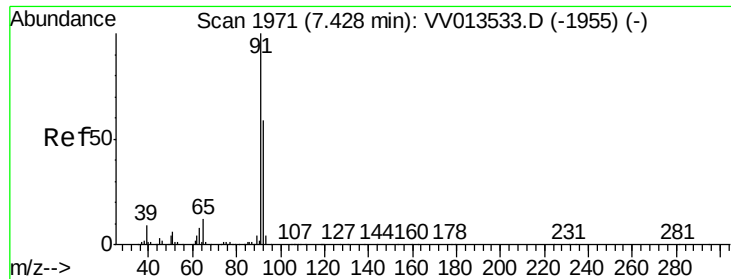
Tgt Ion: 75 Resp: 23799
 Ion Ratio Lower Upper
 75 100
 77 29.3 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 4.617 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.01 min
 Lab File: VV013537.D
 Acq: 08 Nov 2019 12:21

Tgt Ion: 43 Resp: 93116
 Ion Ratio Lower Upper
 43 100
 58 34.6 30.6 45.8
 100 13.5 12.0 18.0





#42

Toluene

Concen: 0.480 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV013537.D

Acq: 08 Nov 2019 12:21

Instrument :

MSVOA_V

ClientSampleId :

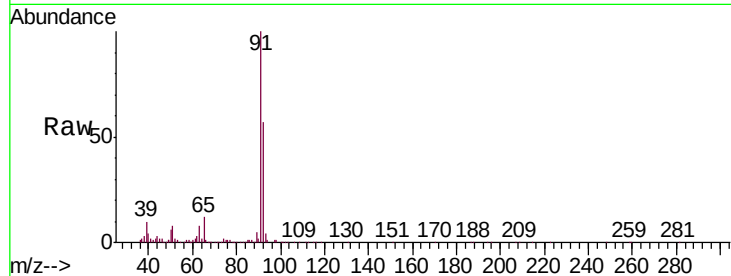
VSTD0.535

Tgt Ion: 91 Resp: 70709

Ion Ratio Lower Upper

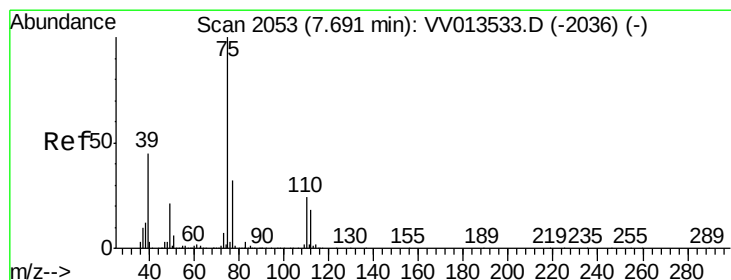
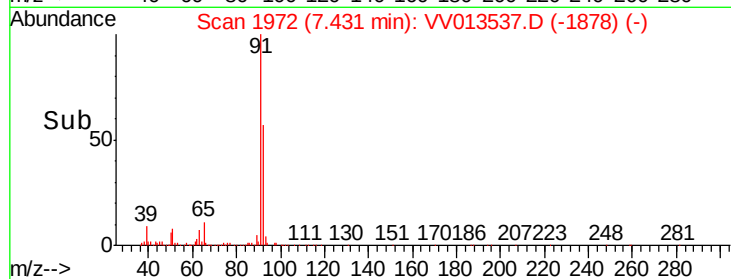
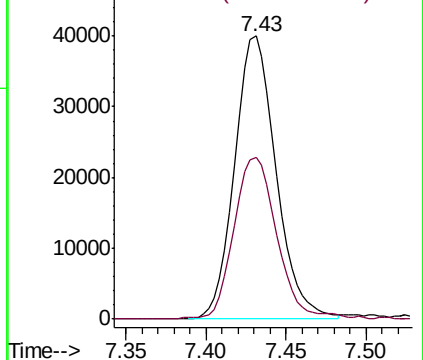
91 100

92 57.0 41.4 77.0



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: 0.483 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV013537.D

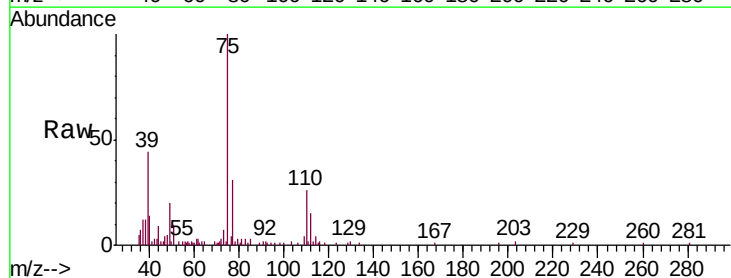
Acq: 08 Nov 2019 12:21

Tgt Ion: 75 Resp: 18602

Ion Ratio Lower Upper

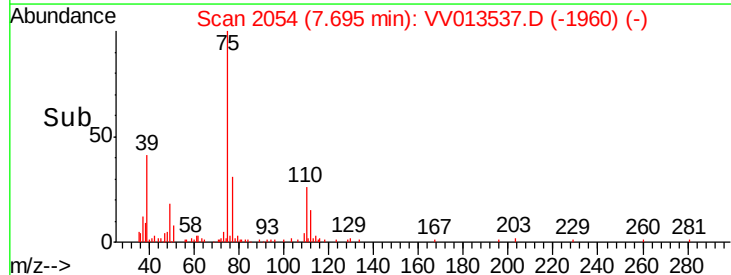
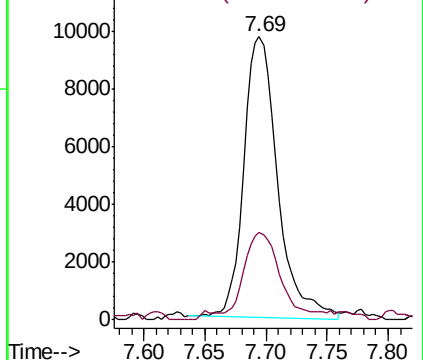
75 100

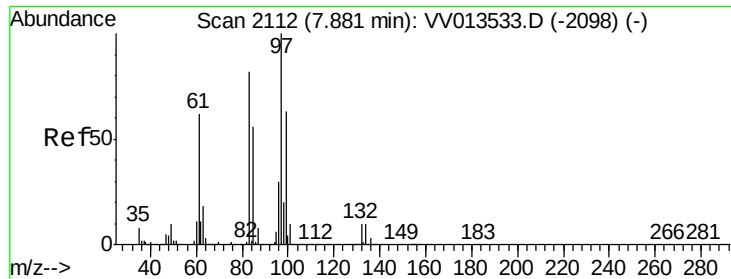
77 31.0 22.2 41.2



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0





#45

1,1,2-Trichloroethane

Concen: 0.522 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VV013537.D

Acq: 08 Nov 2019 12:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.535

Tgt Ion: 97 Resp: 12840

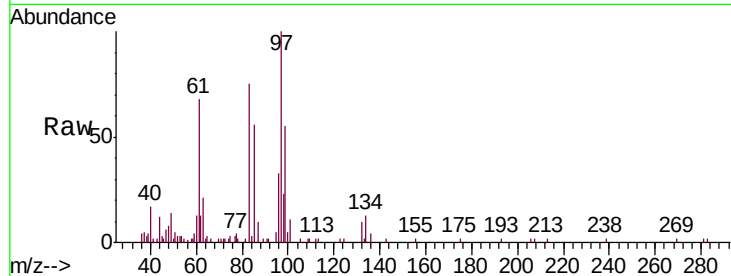
Ion Ratio Lower Upper

97 100

99 54.6 44.4 82.5

83 75.0 57.5 106.7

85 55.9 39.5 73.4

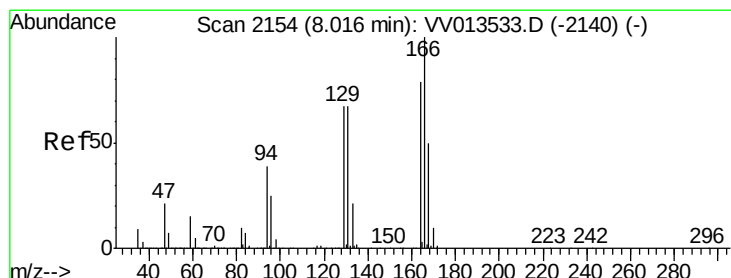
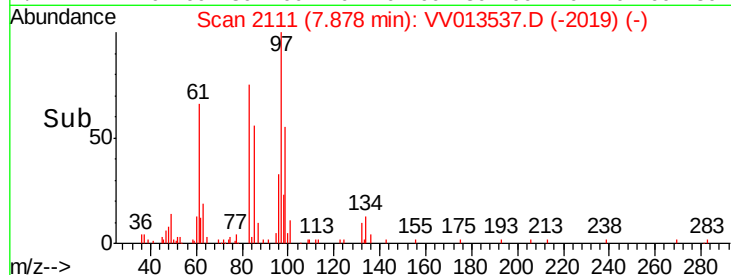
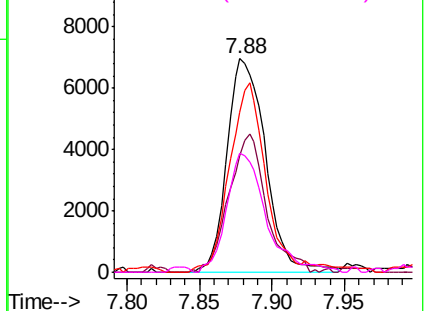


Abundance Ion 96.95 (96.65 to 97.65): VV013537.D (-2019) (-)

Ion 99.05 (98.75 to 99.75): VV013537.D (-2019) (-)

Ion 82.95 (82.65 to 83.65): VV013537.D (-2019) (-)

Ion 85.00 (84.70 to 85.70): VV013537.D (-2019) (-)



#47

Tetrachloroethene

Concen: 0.523 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV013537.D

Acq: 08 Nov 2019 12:21

Tgt Ion: 164 Resp: 17798

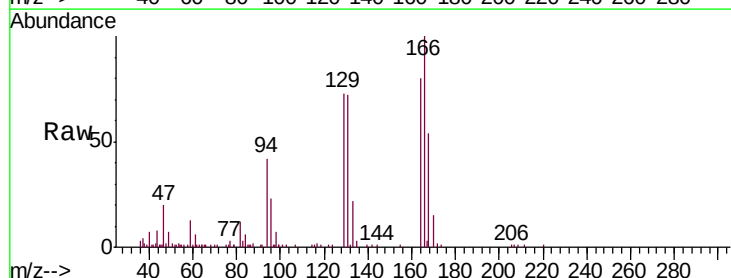
Ion Ratio Lower Upper

164 100

129 91.1 59.6 110.8

131 89.9 59.1 109.9

166 125.6 88.6 164.6

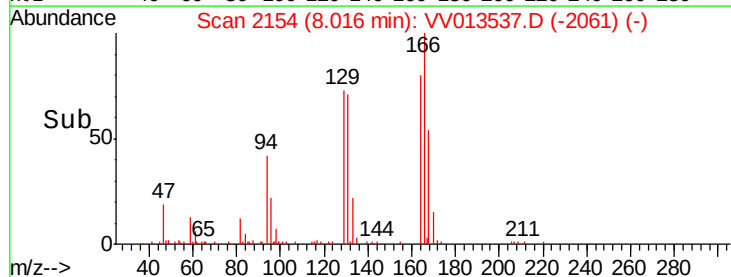
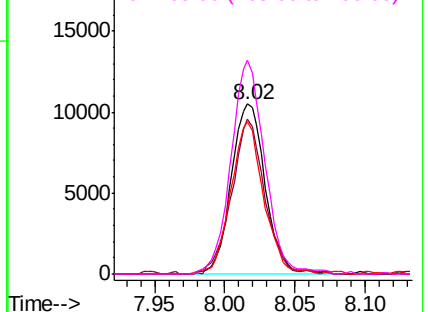


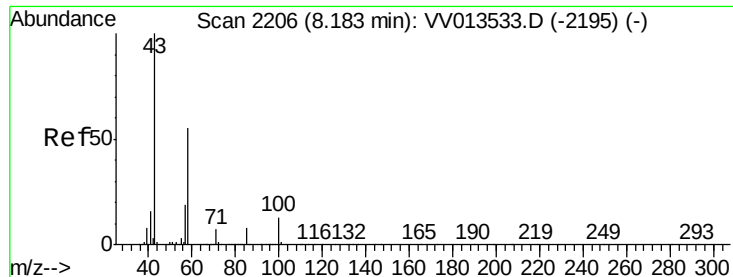
Abundance Ion 163.90 (163.60 to 164.60): VV013537.D (-2061) (-)

Ion 128.95 (128.65 to 129.65): VV013537.D (-2061) (-)

Ion 130.95 (130.65 to 131.65): VV013537.D (-2061) (-)

Ion 165.90 (165.60 to 166.60): VV013537.D (-2061) (-)

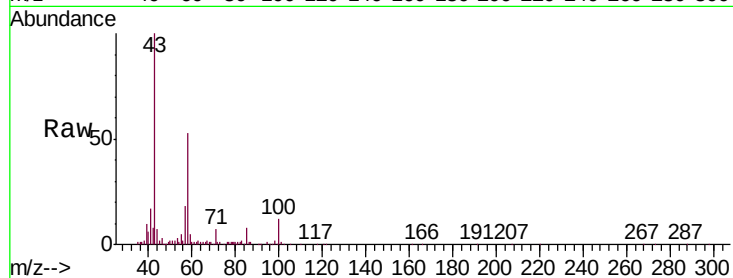




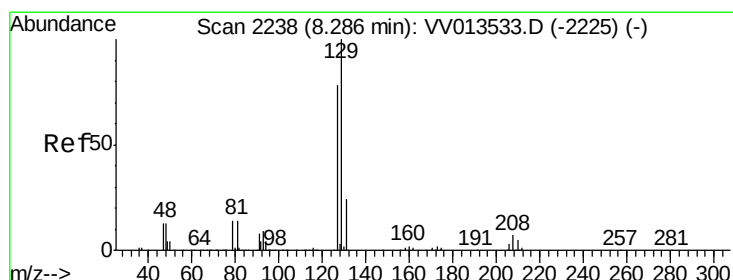
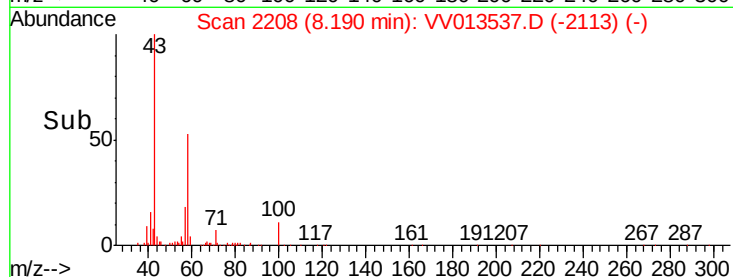
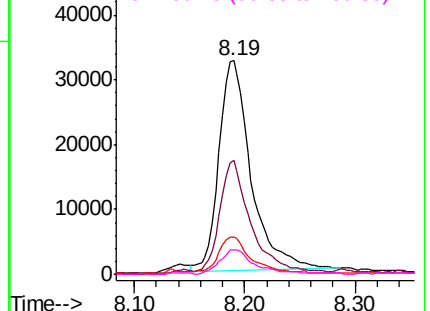
#48
2-Hexanone
Concen: 4.651 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.01 min
Lab File: VV013537.D
Acq: 08 Nov 2019 12:21

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.535

Tgt Ion:	43	Resp:	65570
Ion	Ratio	Lower	Upper
43	100		
58	50.3	43.8	65.8
57	16.9	15.0	22.6
100	12.1	9.8	14.6

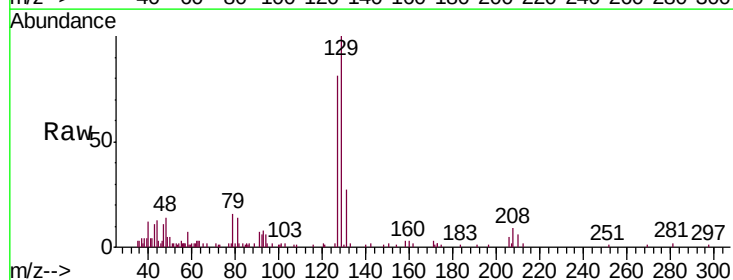


Abundance Ion 43.05 (42.75 to 43.75): VV013537.D (-2195) (-)
Ion 58.05 (57.75 to 58.75): VV013537.D (-2195) (-)
Ion 57.20 (56.90 to 57.90): VV013537.D (-2195) (-)
Ion 100.15 (99.85 to 100.85): VV013537.D (-2195) (-)

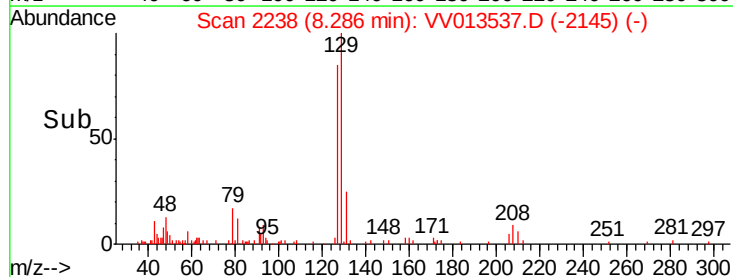
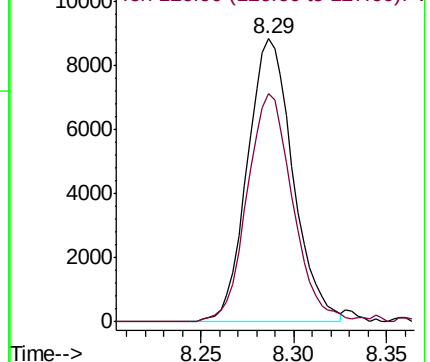


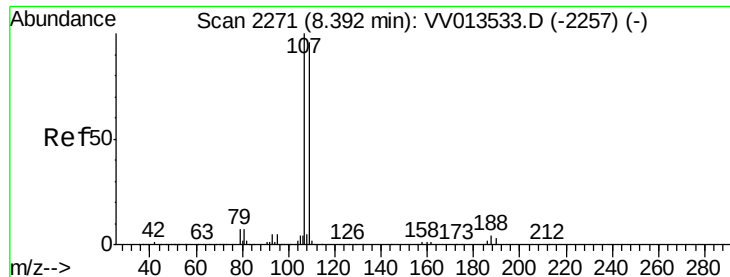
#49
Dibromochloromethane
Concen: 0.498 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV013537.D
Acq: 08 Nov 2019 12:21

Tgt Ion:	129	Resp:	15136
Ion	Ratio	Lower	Upper
129	100		
127	80.5	54.7	101.7



Abundance Ion 128.95 (128.65 to 129.65): VV013537.D (-2145) (-)
Ion 126.90 (126.60 to 127.60): VV013537.D (-2145) (-)

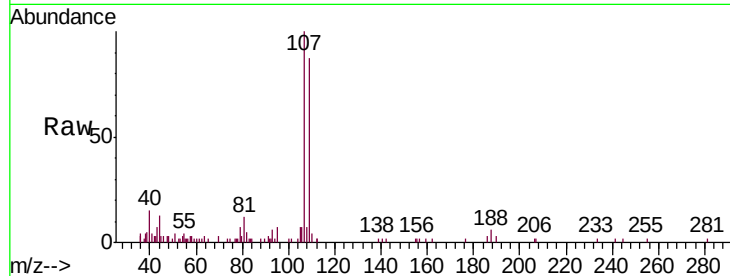




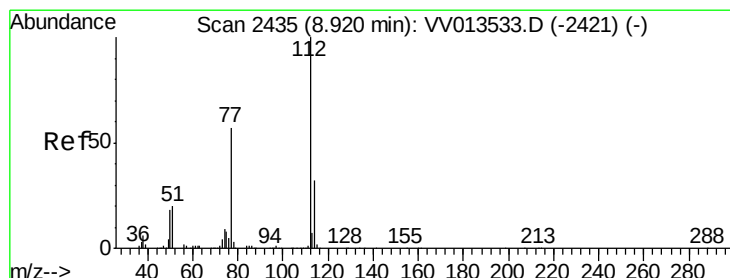
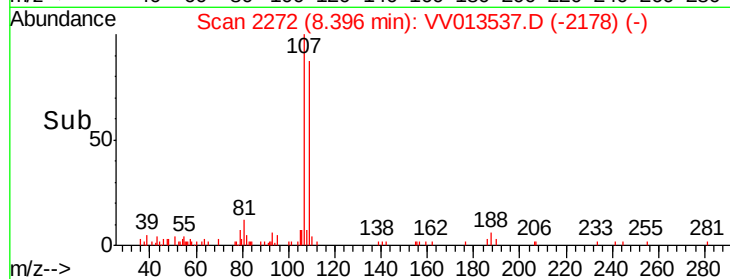
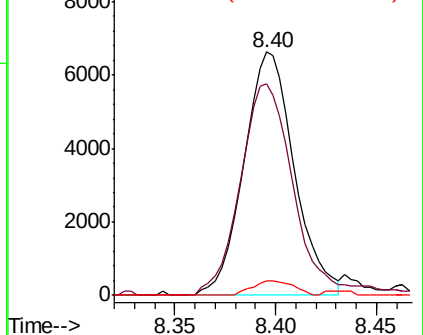
#50
 1,2-Dibromoethane
 Concen: 0.504 ug/L
 RT: 8.40 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VV013537.D
 Acq: 08 Nov 2019 12:21

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.535

Tgt Ion:107 Resp: 11590
 Ion Ratio Lower Upper
 107 100
 109 86.8 66.9 124.3
 188 6.1 3.4 5.0#

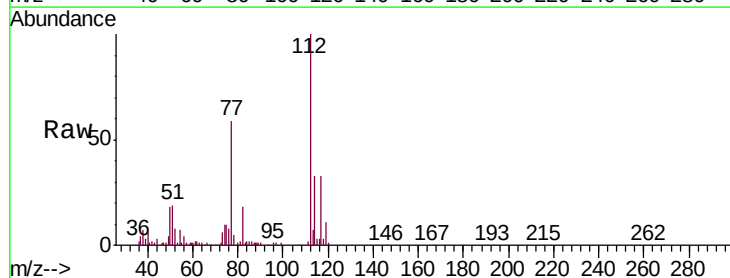


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

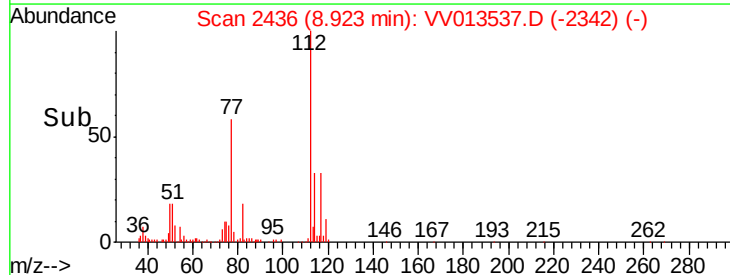
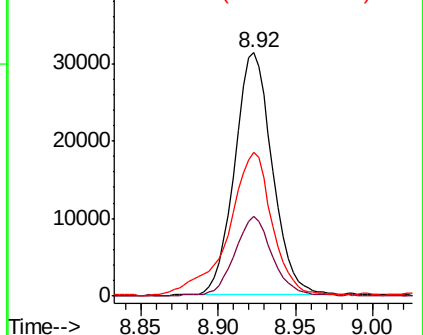


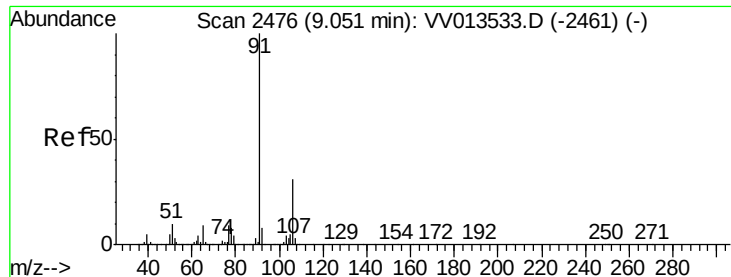
#51
 Chlorobenzene
 Concen: 0.546 ug/L
 RT: 8.92 min Scan# 2436
 Delta R.T. 0.00 min
 Lab File: VV013537.D
 Acq: 08 Nov 2019 12:21

Tgt Ion:112 Resp: 52964
 Ion Ratio Lower Upper
 112 100
 114 32.7 22.6 42.0
 77 59.1 46.2 69.2



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): VV0





#52

Ethylbenzene

Concen: 0.492 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV013537.D

Acq: 08 Nov 2019 12:21

Instrument :

MSVOA_V

ClientSampleId :

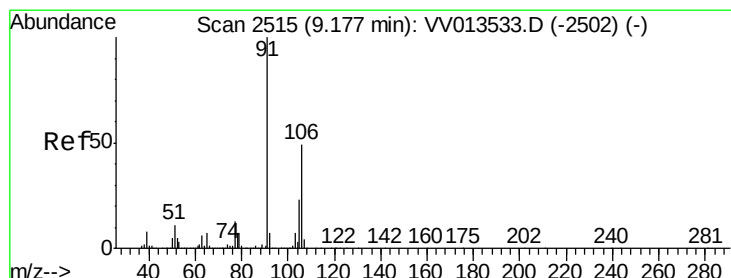
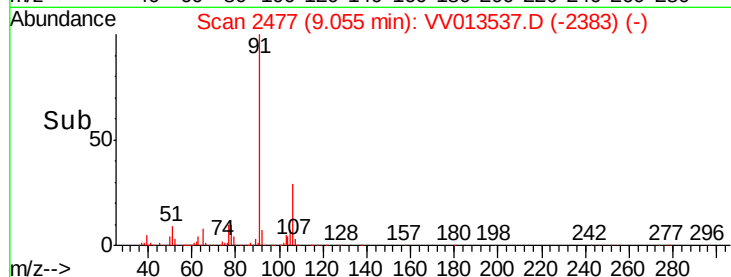
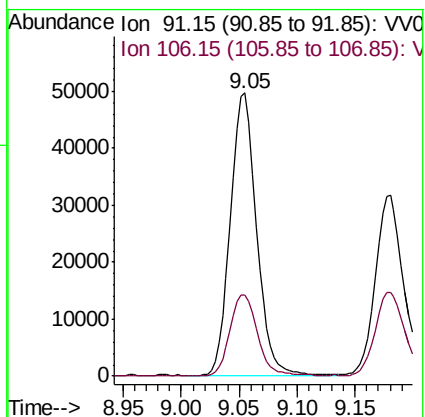
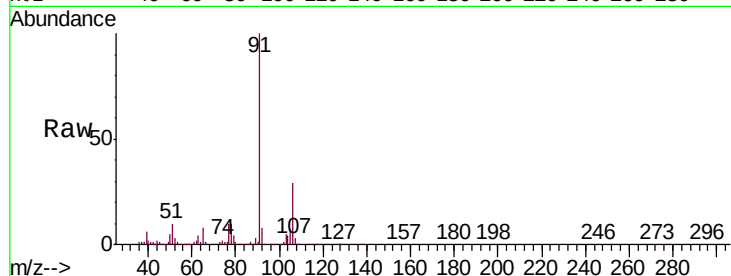
VSTD0.535

Tgt Ion: 91 Resp: 77635

Ion Ratio Lower Upper

91 100

106 28.8 21.6 40.0



#53

m,p-xylene

Concen: 0.438 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV013537.D

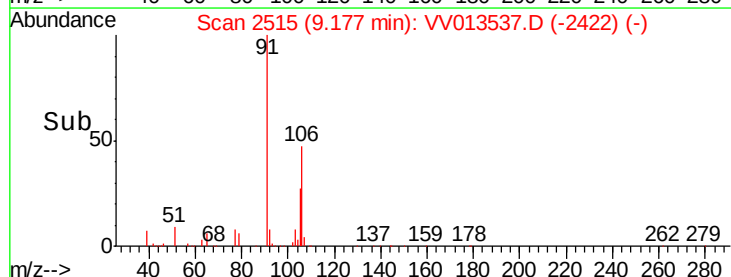
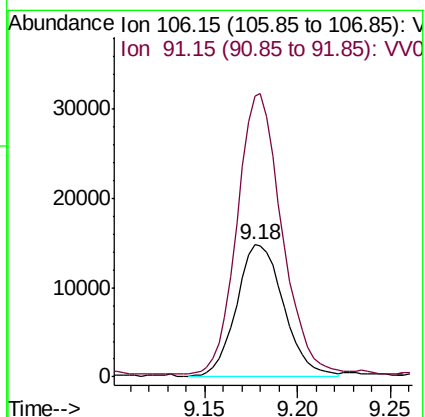
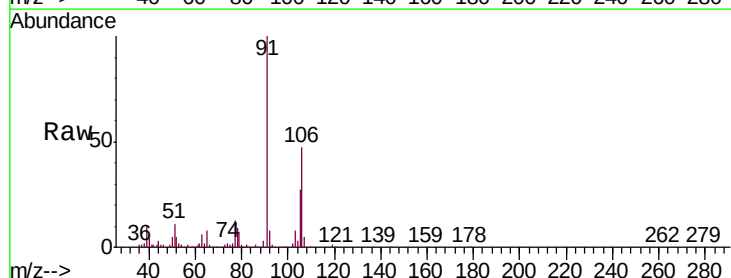
Acq: 08 Nov 2019 12:21

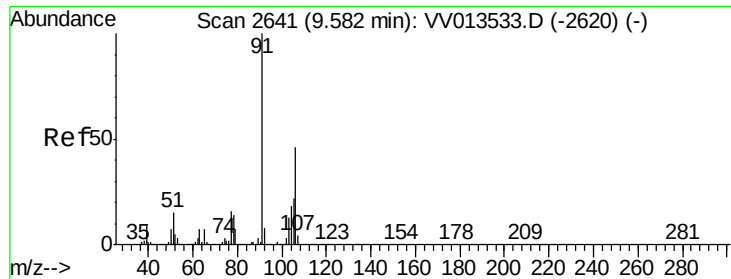
Tgt Ion: 106 Resp: 25873

Ion Ratio Lower Upper

106 100

91 213.4 142.0 263.6

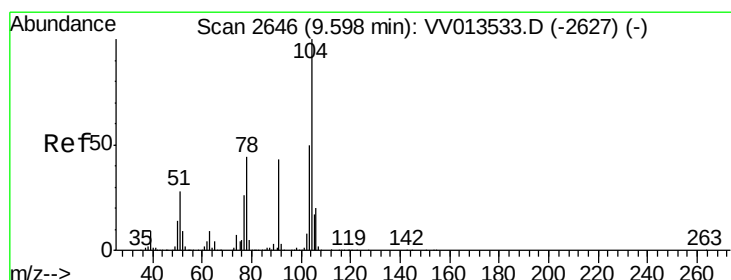
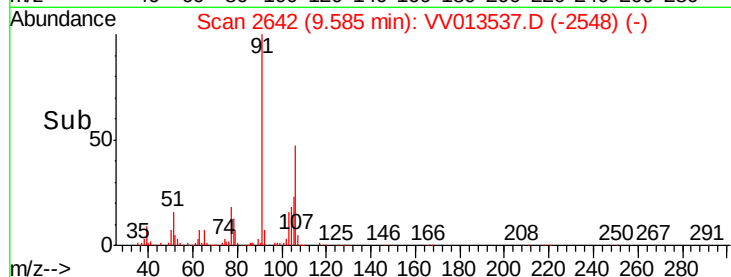
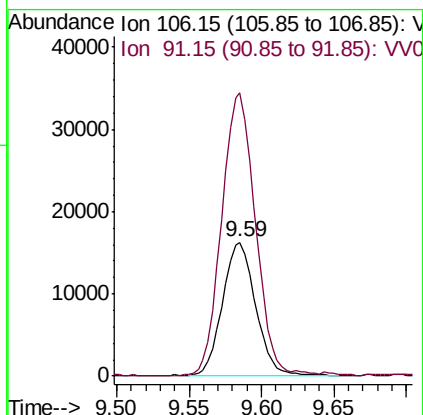
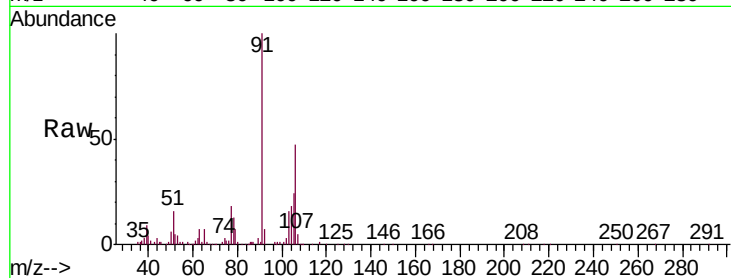




#54
o-xylene
Concen: 0.466 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.00 min
Lab File: VV013537.D
Acq: 08 Nov 2019 12:21

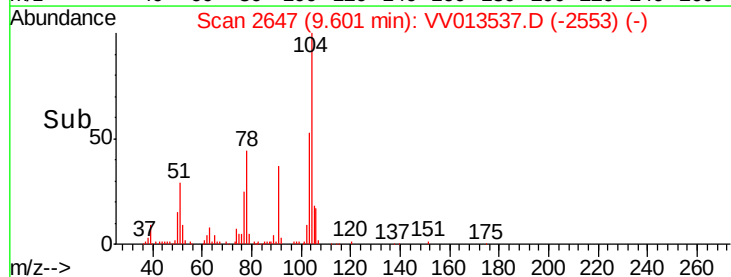
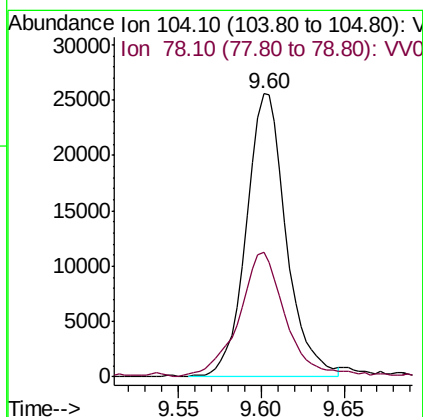
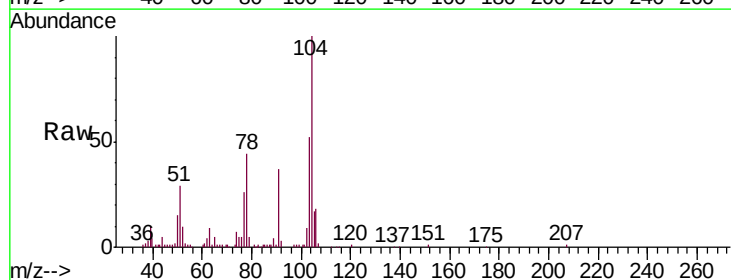
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.535

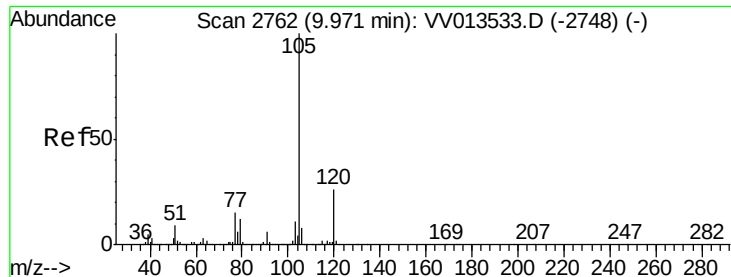
Tgt Ion:106 Resp: 26058
Ion Ratio Lower Upper
106 100
91 211.1 150.8 280.0



#55
Styrene
Concen: 0.451 ug/L
RT: 9.60 min Scan# 2647
Delta R.T. 0.00 min
Lab File: VV013537.D
Acq: 08 Nov 2019 12:21

Tgt Ion:104 Resp: 42795
Ion Ratio Lower Upper
104 100
78 44.2 30.8 57.2





#56

Isopropylbenzene

Concen: 0.457 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV013537.D

Acq: 08 Nov 2019 12:21

Instrument :

MSVOA_V

ClientSampled :

VSTD0.535

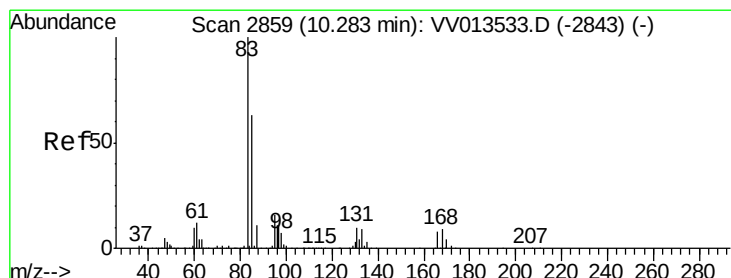
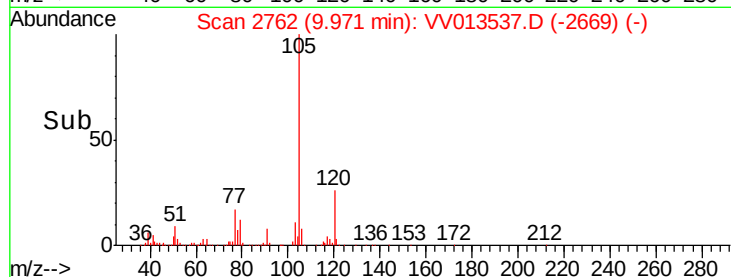
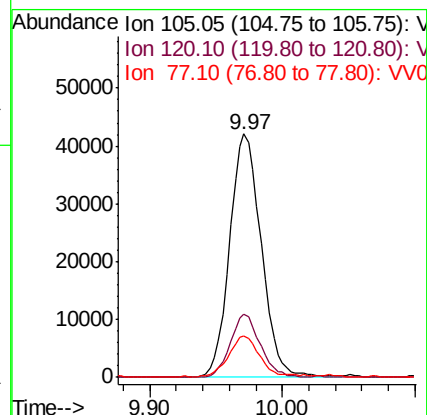
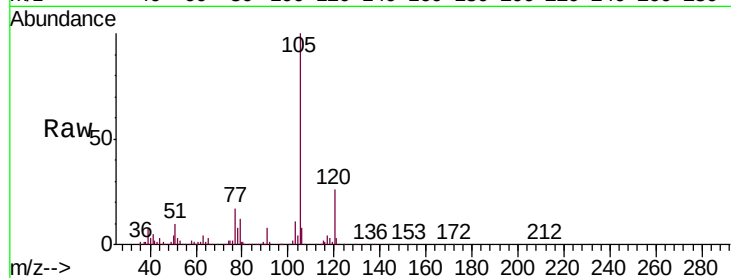
Tgt Ion:105 Resp: 69756

Ion Ratio Lower Upper

105 100

120 24.5 20.9 31.3

77 16.2 12.3 18.5



#58

1,1,2,2-Tetrachloroethane

Concen: 0.465 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. -0.00 min

Lab File: VV013537.D

Acq: 08 Nov 2019 12:21

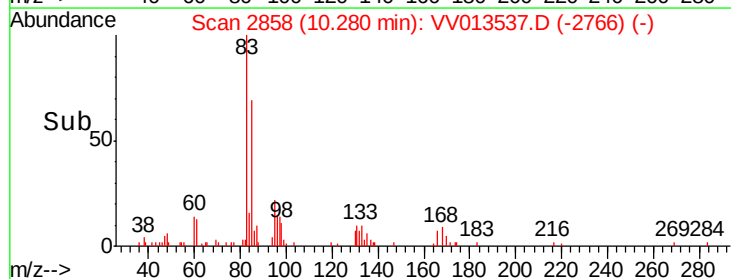
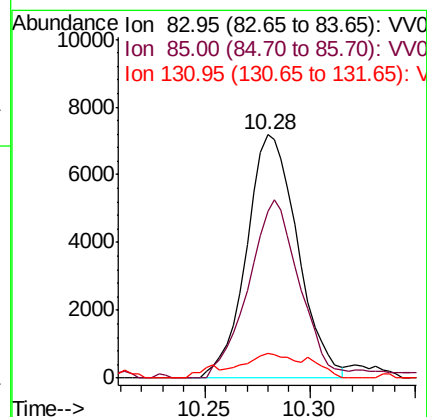
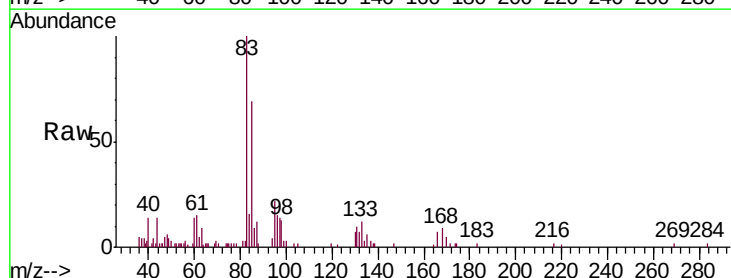
Tgt Ion: 83 Resp: 12100

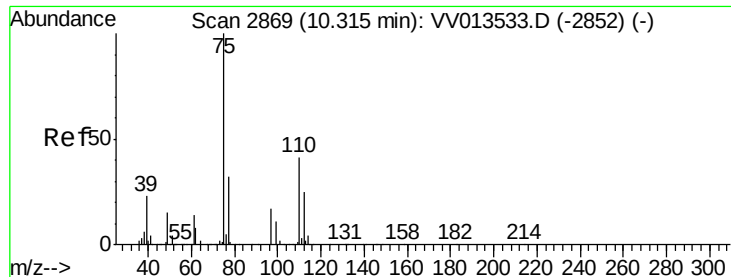
Ion Ratio Lower Upper

83 100

85 68.7 44.1 81.9

131 10.3 8.5 12.7

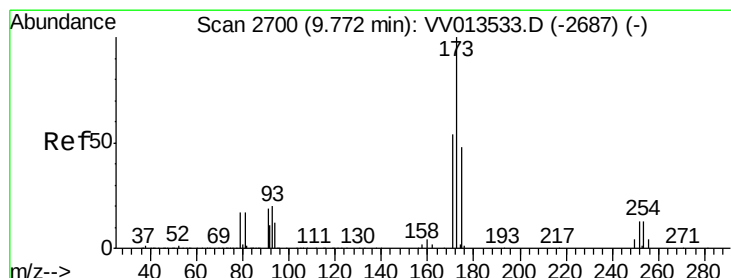
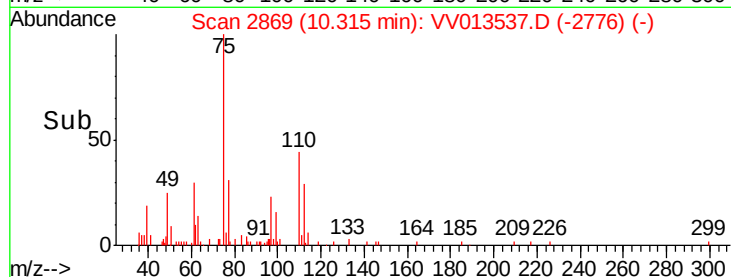
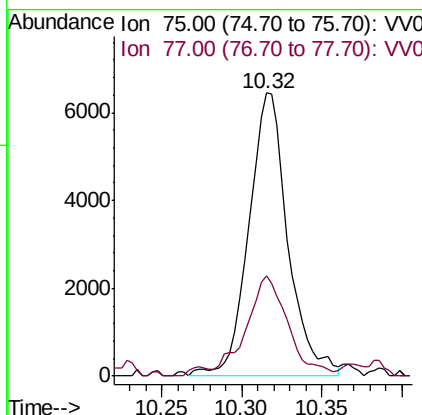
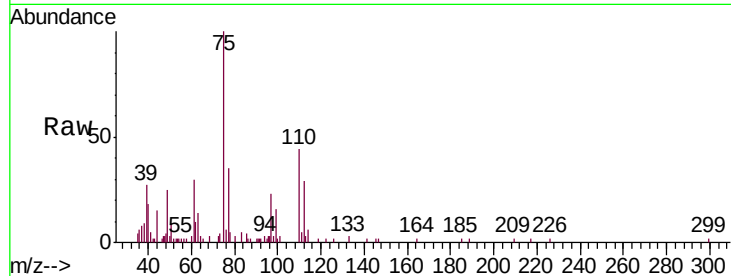




#59
 1,2,3-Trichloropropane
 Concen: 0.519 ug/L
 RT: 10.32 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VV013537.D
 Acq: 08 Nov 2019 12:21

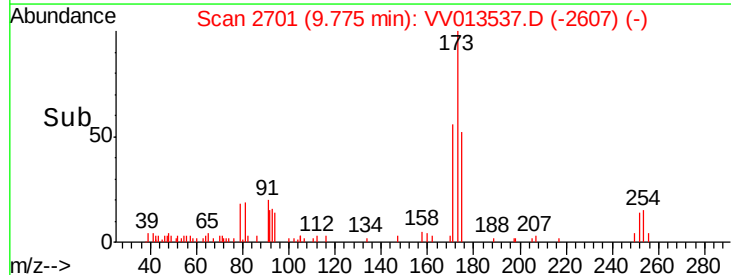
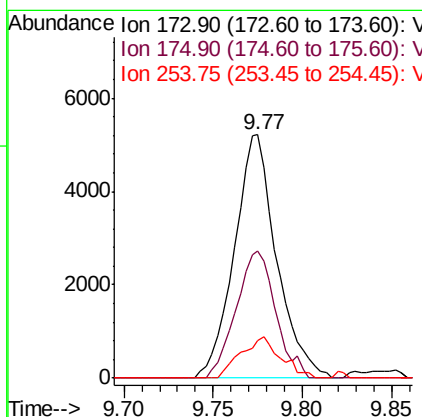
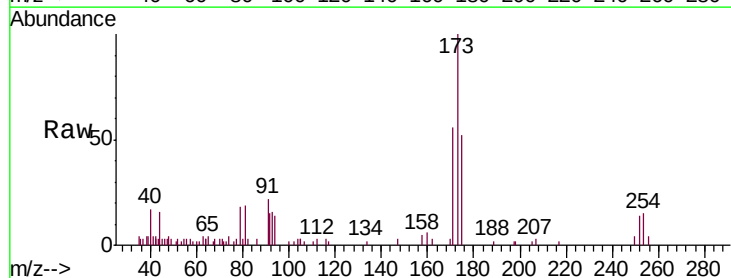
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.535

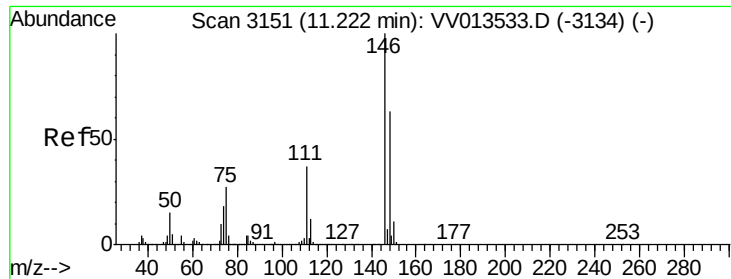
Tgt Ion: 75 Resp: 10816
 Ion Ratio Lower Upper
 75 100
 77 37.4 26.3 39.5



#61
 Bromoform
 Concen: 0.515 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. 0.00 min
 Lab File: VV013537.D
 Acq: 08 Nov 2019 12:21

Tgt Ion: 173 Resp: 8613
 Ion Ratio Lower Upper
 173 100
 175 48.7 38.8 58.2
 254 15.9 11.2 16.8

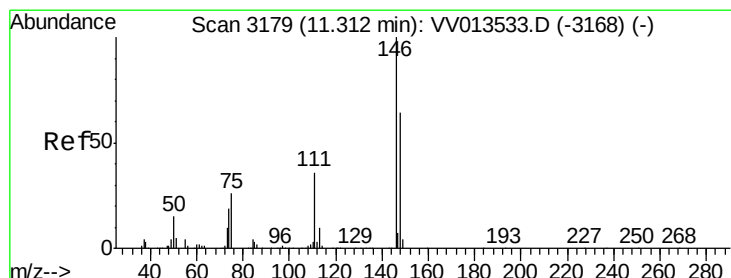
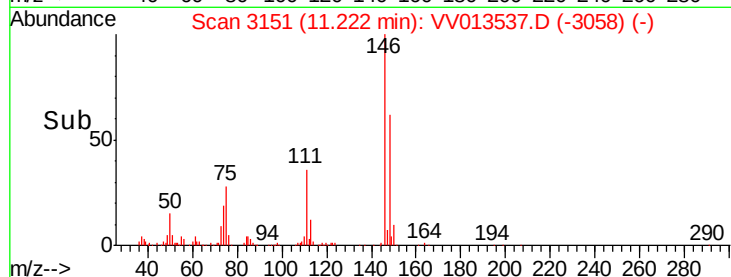
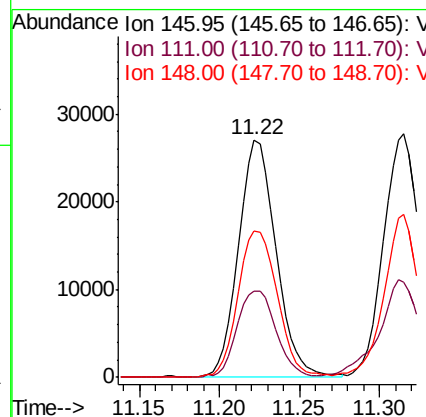
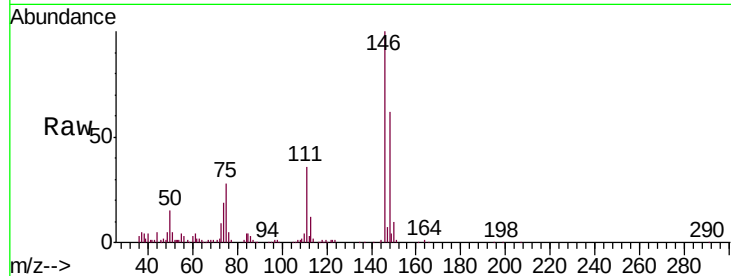




#62
 1,3-Dichlorobenzene
 Concen: 0.570 ug/L
 RT: 11.22 min Scan# 3151
 Delta R.T. 0.00 min
 Lab File: VV013537.D
 Acq: 08 Nov 2019 12:21

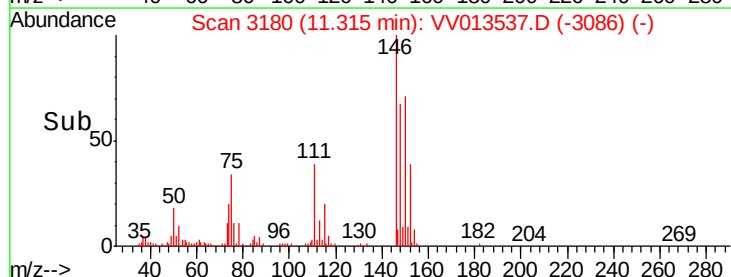
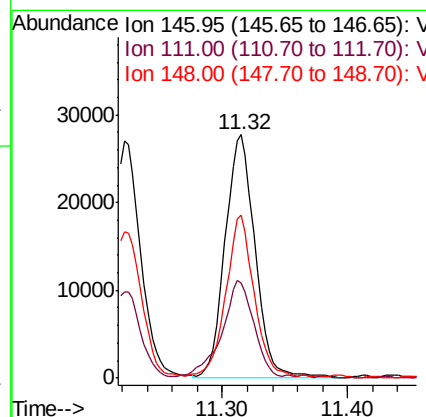
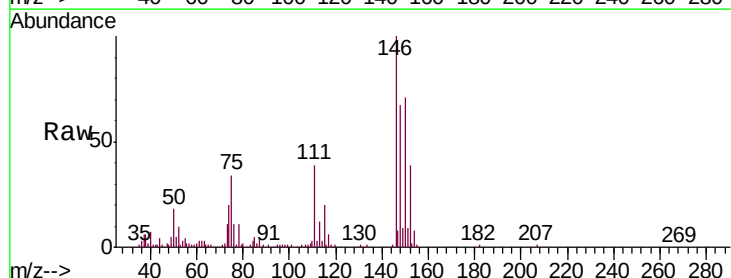
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.535

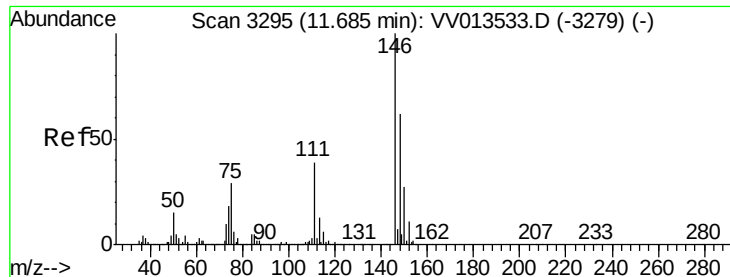
Tgt Ion:146 Resp: 43315
 Ion Ratio Lower Upper
 146 100
 111 36.0 26.2 48.6
 148 61.7 44.2 82.0



#63
 1,4-Dichlorobenzene
 Concen: 0.613 ug/L
 RT: 11.32 min Scan# 3180
 Delta R.T. 0.00 min
 Lab File: VV013537.D
 Acq: 08 Nov 2019 12:21

Tgt Ion:146 Resp: 45984
 Ion Ratio Lower Upper
 146 100
 111 39.2 25.2 46.8
 148 66.8 44.7 82.9

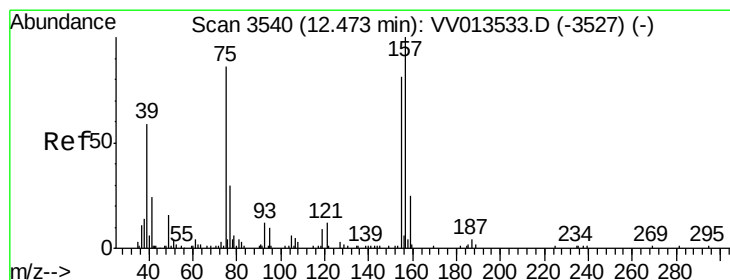
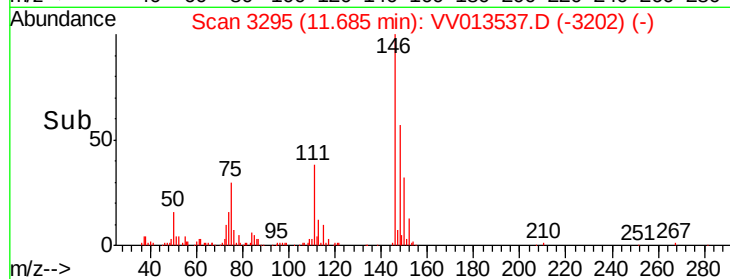
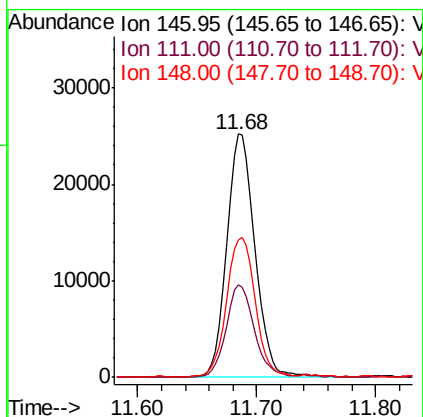
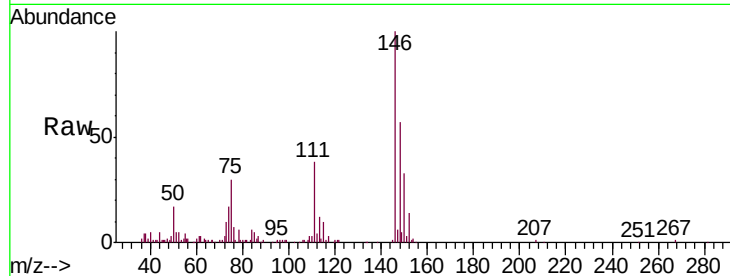




#65
 1,2-Dichlorobenzene
 Concen: 0.606 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. 0.00 min
 Lab File: VV013537.D
 Acq: 08 Nov 2019 12:21

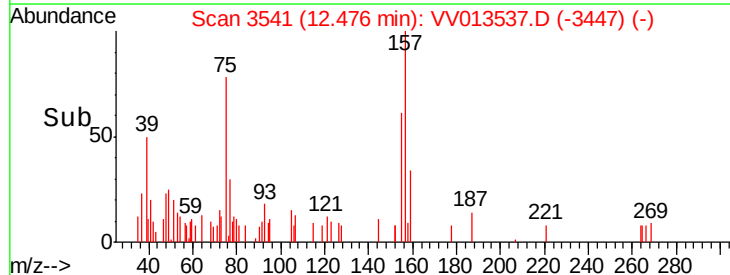
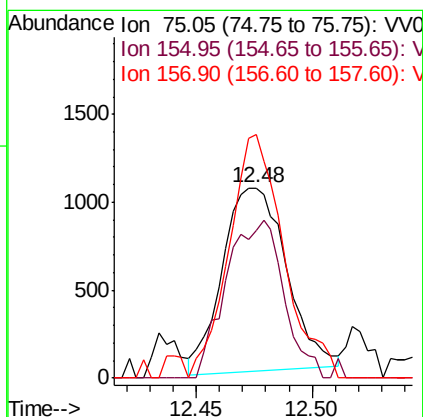
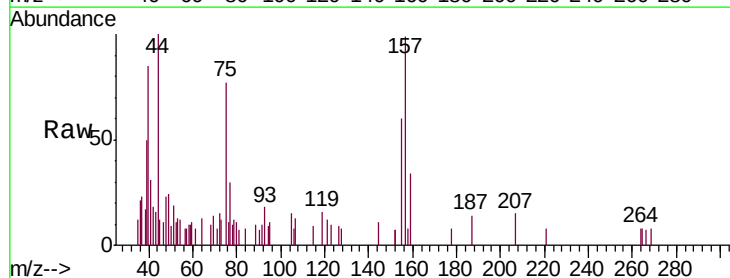
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.535

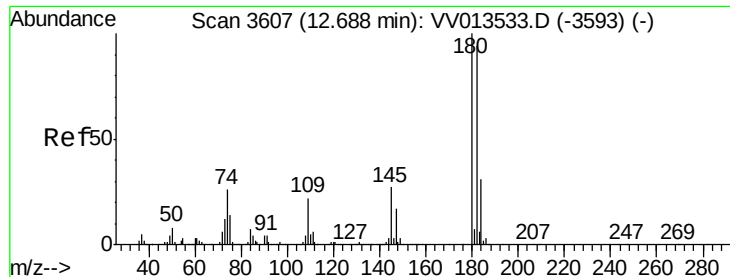
Tgt Ion: 146 Resp: 41482
 Ion Ratio Lower Upper
 146 100
 111 38.3 31.2 46.8
 148 56.6 49.4 74.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.546 ug/L
 RT: 12.48 min Scan# 3541
 Delta R.T. 0.00 min
 Lab File: VV013537.D
 Acq: 08 Nov 2019 12:21

Tgt Ion: 75 Resp: 2003
 Ion Ratio Lower Upper
 75 100
 155 77.6 75.0 112.6
 157 128.1 92.2 138.4

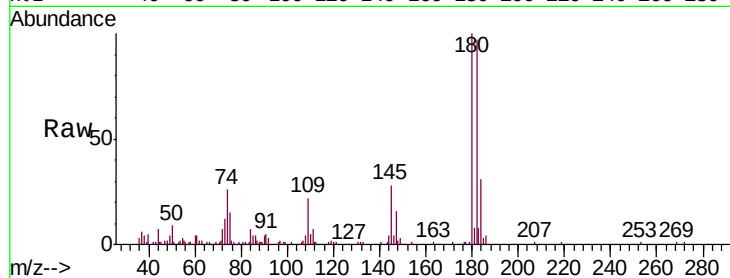




#67
 1,3,5-Trichlorobenzene
 Concen: 0.590 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV013537.D
 Acq: 08 Nov 2019 12:21

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.535

Tgt Ion:	180	Resp:	34325
Ion	Ratio	Lower	Upper
180	100		
182	99.4	76.8	115.2
184	31.1	25.0	37.6
145	28.0	22.1	33.1



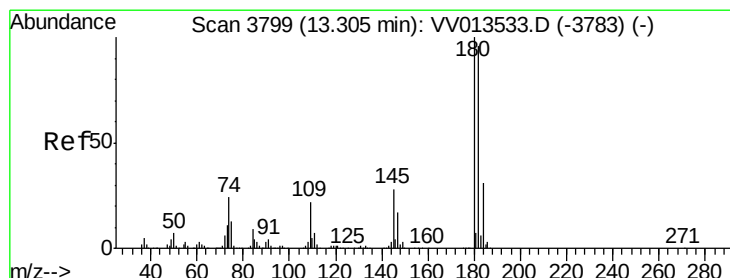
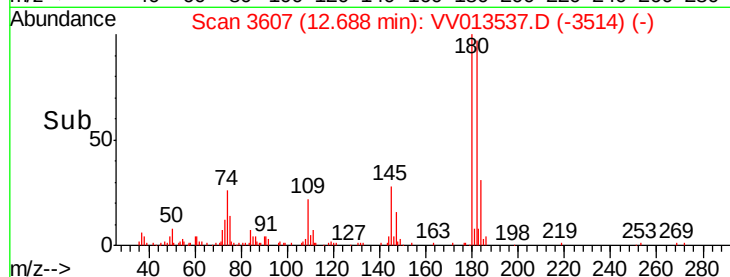
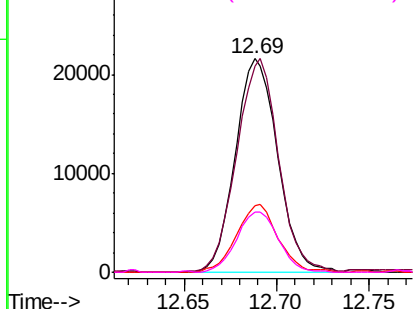
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

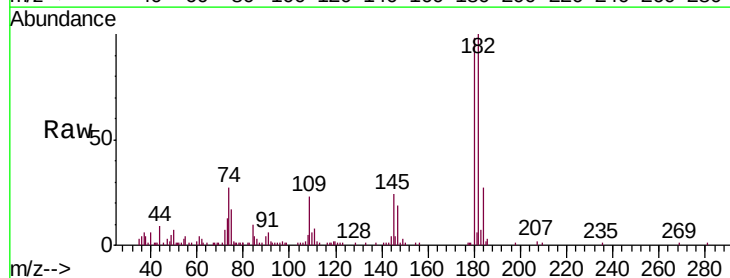
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 0.633 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV013537.D
 Acq: 08 Nov 2019 12:21

Tgt Ion:	180	Resp:	27868
Ion	Ratio	Lower	Upper
180	100		
182	101.6	76.6	115.0
145	27.5	22.2	33.4

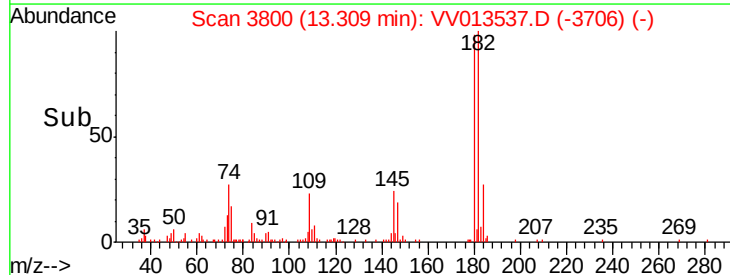
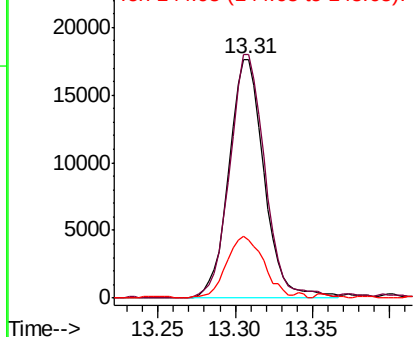


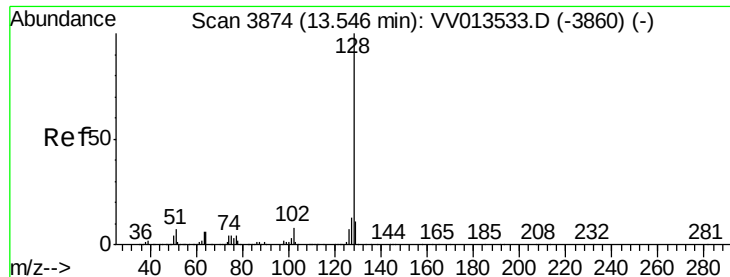
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 0.609 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. 0.00 min

Lab File: VV013537.D

Acq: 08 Nov 2019 12:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.535

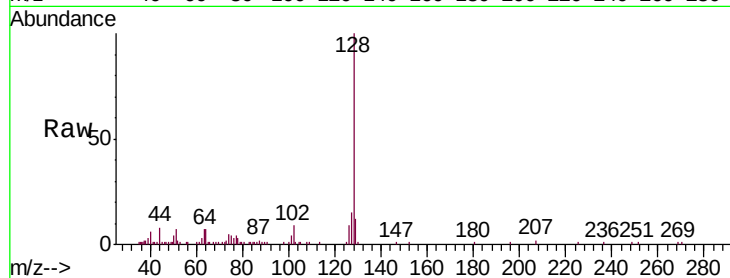
Tgt Ion:128 Resp: 36240

Ion Ratio Lower Upper

128 100

129 11.2 8.5 12.7

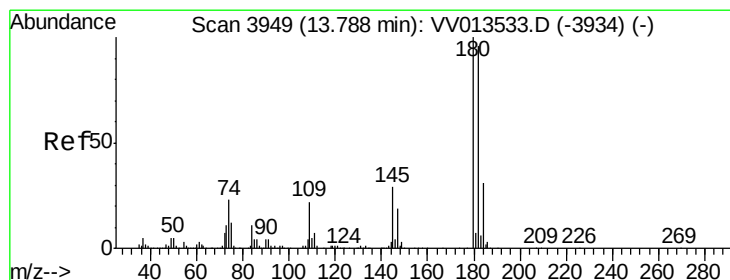
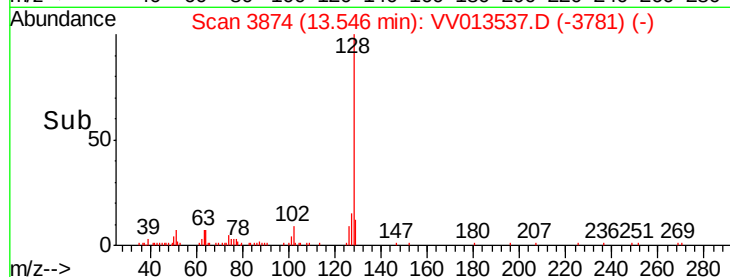
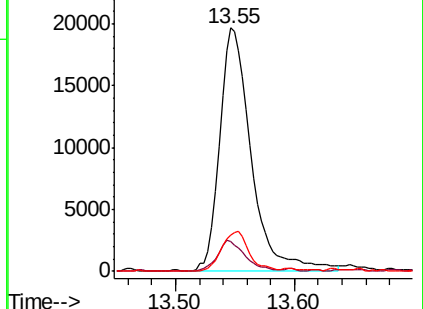
127 14.2 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.652 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV013537.D

Acq: 08 Nov 2019 12:21

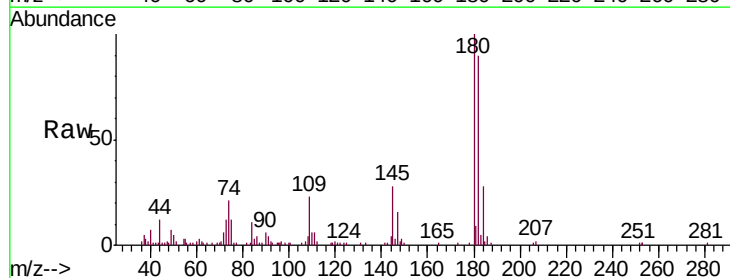
Tgt Ion:180 Resp: 26844

Ion Ratio Lower Upper

180 100

182 90.4 76.2 114.4

145 30.3 23.2 34.8



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

