

Data File : VU035860.D
Acq On : 26 Nov 2019 16:04
Operator : JC/SP
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00511

Quant Time: Nov 27 01:23:39 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR112119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Nov 27 01:18:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	241742	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	266741	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	151524	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	166845	5.28	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	105.60%
7) Chloroethane-d5	1.93	69	146895	5.37	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	107.40%
11) 1,1-Dichloroethene-d2	2.59	63	260918	4.44	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.80%
20) 2-Butanone-d5	4.70	46	377404	51.64	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.28%
24) Chloroform-d	5.11	84	270556	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.20%
26) 1,2-Dichloroethane-d4	5.75	65	142982	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.20%
32) Benzene-d6	5.77	84	517653	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.80%
36) 1,2-Dichloropropane-d6	6.73	67	171085	4.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.80%
41) Toluene-d8	7.93	98	475665	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.40%
43) trans-1,3-Dichloropropene-	8.21	79	65084	4.87	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.40%
46) 2-Hexanone-d5	8.68	63	315330	58.80	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	117.60%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	141985	4.92	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.40%
64) 1,2-Dichlorobenzene-d4	12.22	152	154736	4.70	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	150211	4.586	ug/L 97
3) Chloromethane	1.54	50	187160	4.641	ug/L 99
5) Vinyl chloride	1.62	62	191954	4.755	ug/L 98
6) Bromomethane	1.87	94	105300	5.075	ug/L 97
8) Chloroethane	1.95	64	119835	5.131	ug/L 98
9) Trichlorofluoromethane	2.16	101	223716	4.773	ug/L 96
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	125928	4.729	ug/L 95
12) 1,1-Dichloroethene	2.61	96	111992	4.452	ug/L 94
13) Acetone	2.68	43	262825	40.948	ug/L 98
14) Carbon disulfide	2.82	76	351812	4.211	ug/L 98
15) Methyl Acetate	3.00	43	61931	4.813	ug/L 100
16) Methylene chloride	3.08	84	139539	4.592	ug/L 99
17) Methyl tert-butyl Ether	3.42	73	282404	4.640	ug/L 99
18) trans-1,2-Dichloroethene	3.39	96	117945	4.762	ug/L 98
19) 1,1-Dichloroethane	3.92	63	268936	4.833	ug/L 99
21) 2-Butanone	4.78	43	409023	50.359	ug/L 98
22) cis-1,2-Dichloroethene	4.72	96	132259	4.792	ug/L 100

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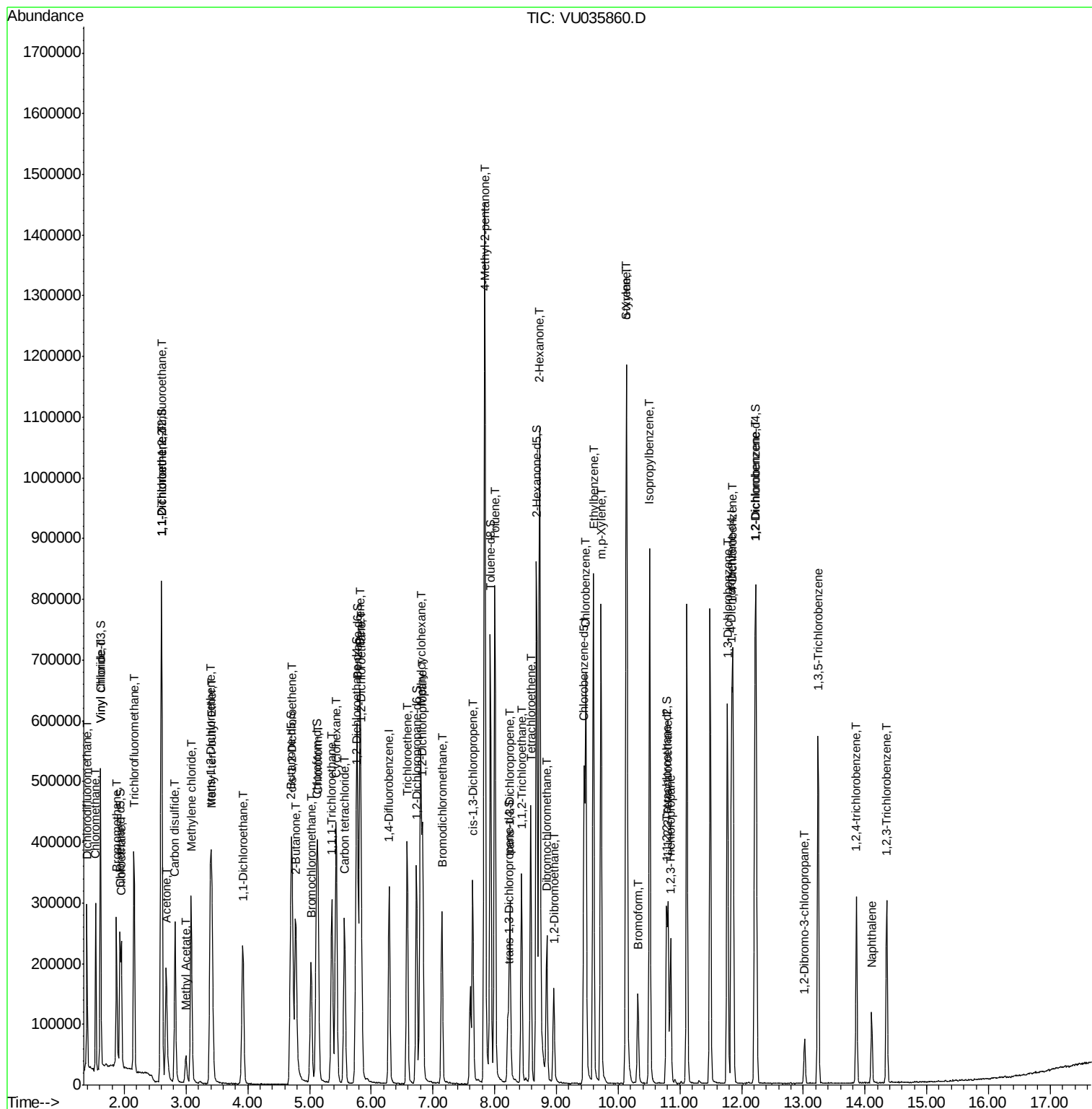
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	60608	5.041	ug/L	95
25) Chloroform	5.14	83	262696	4.851	ug/L	99
27) 1,2-Dichloroethane	5.84	62	175361	4.924	ug/L	97
29) 1,1,1-Trichloroethane	5.36	97	210927	4.897	ug/L	99
30) Cyclohexane	5.43	56	197177	4.684	ug/L	98
31) Carbon tetrachloride	5.57	117	181148	4.857	ug/L	98
33) Benzene	5.82	78	562128	5.048	ug/L	100
34) Trichloroethene	6.58	95	137567	5.039	ug/L	98
35) Methylcyclohexane	6.80	83	183493	4.580	ug/L	99
37) 1,2-Dichloropropane	6.83	63	153775	4.870	ug/L	99
38) Bromodichloromethane	7.15	83	187553	4.955	ug/L	98
39) cis-1,3-Dichloropropene	7.65	75	198951	4.867	ug/L	100
40) 4-Methyl-2-pentanone	7.84	43	972459	50.159	ug/L	99
42) Toluene	8.01	91	592117	5.112	ug/L	97
44) trans-1,3-Dichloropropene	8.25	75	171682	5.065	ug/L	100
45) 1,1,2-Trichloroethane	8.44	97	104995	5.103	ug/L	99
47) Tetrachloroethene	8.58	164	98730	4.753	ug/L	99
48) 2-Hexanone	8.73	43	742655	52.030	ug/L	98
49) Dibromochloromethane	8.84	129	117561	4.843	ug/L	99
50) 1,2-Dibromoethane	8.96	107	95903	5.093	ug/L	97
51) Chlorobenzene	9.48	112	341789	4.764	ug/L	99
52) Ethylbenzene	9.60	91	568456	4.746	ug/L	99
53) m,p-Xylene	9.72	106	207830	4.922	ug/L	100
54) o-Xylene	10.13	106	204300	4.982	ug/L	99
55) Styrene	10.14	104	352581	5.184	ug/L	98
56) Isopropylbenzene	10.51	105	533882	4.928	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.81	83	142412	5.001	ug/L	97
59) 1,2,3-Trichloropropane	10.85	75	101571	4.947	ug/L	99
61) Bromoform	10.32	173	68190	4.479	ug/L	95
62) 1,3-Dichlorobenzene	11.77	146	253026	4.653	ug/L	98
63) 1,4-Dichlorobenzene	11.86	146	248366	4.639	ug/L	97
65) 1,2-Dichlorobenzene	12.24	146	243115	4.686	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	19896	4.634	ug/L	99
67) 1,3,5-Trichlorobenzene	13.24	180	171782	5.256	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	90618	4.825	ug/L	97
69) Naphthalene	14.11	128	87039	3.291	ug/L	100
70) 1,2,3-Trichlorobenzene	14.35	180	88479	4.844	ug/L	99

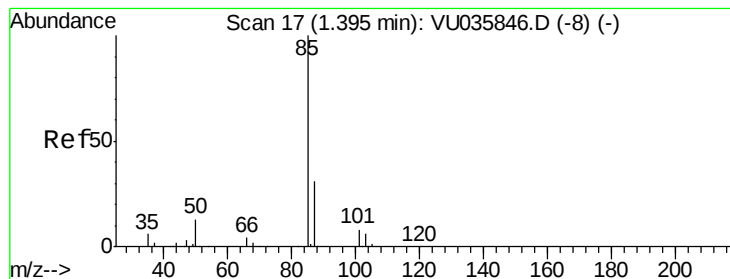
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VU035860.D
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#2

Dichlorodifluoromethane

Concen: 4.586 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU035860.D

Acq: 26 Nov 2019 16:04

Instrument :

MSVOA_U

ClientSampleId :

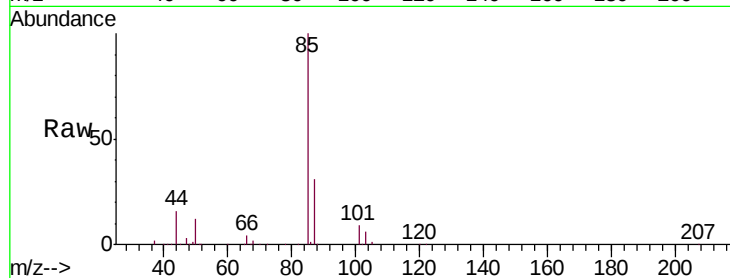
VSTD00511

Tgt Ion: 85 Resp: 150211

Ion Ratio Lower Upper

85 100

87 31.1 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VU035846.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VU035846.D (-8) (-)

1.39

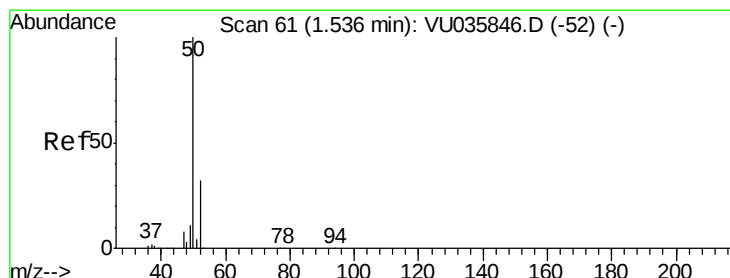
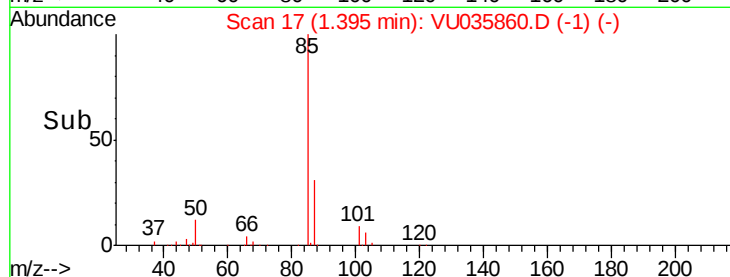
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 4.641 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU035860.D

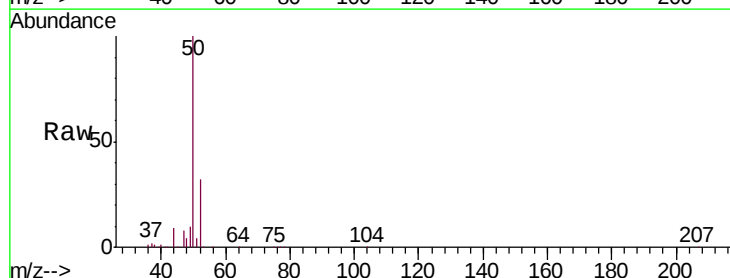
Acq: 26 Nov 2019 16:04

Tgt Ion: 50 Resp: 187160

Ion Ratio Lower Upper

50 100

52 31.7 22.7 42.3



Abundance Ion 50.05 (49.75 to 50.75): VU035846.D (-52) (-)

Ion 52.05 (51.75 to 52.75): VU035846.D (-52) (-)

1.54

200000

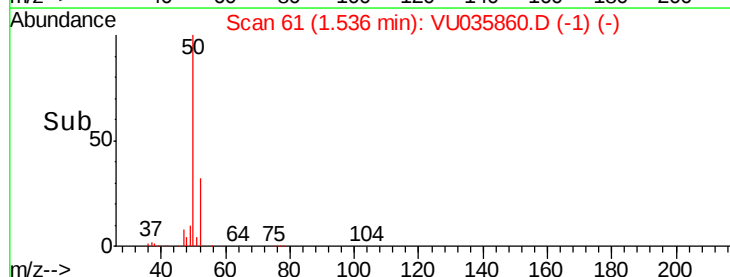
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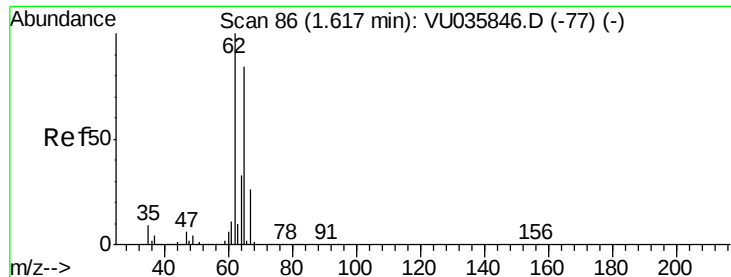
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50000

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Time-->





#5

Vinyl chloride

Concen: 4.755 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU035860.D

Acq: 26 Nov 2019 16:04

Instrument :

MSVOA_U

ClientSampleId :

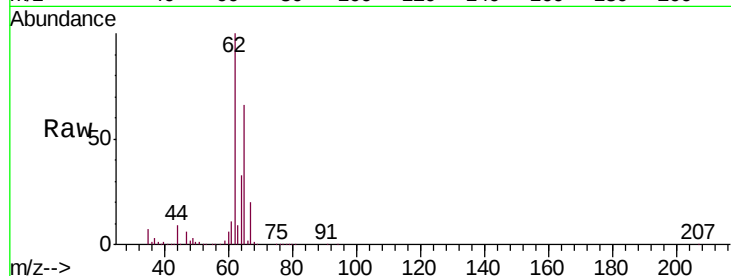
VSTD00511

Tgt Ion: 62 Resp: 191954

Ion Ratio Lower Upper

62 100

64 33.4 22.5 41.9



Abundance Ion 62.00 (61.70 to 62.70): VU035846.D (-77) (-)

Ion 64.10 (63.80 to 64.80): VU035846.D (-77) (-)

1.62

200000

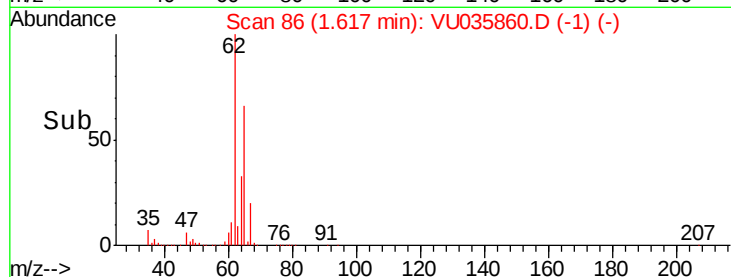
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 5.075 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU035860.D

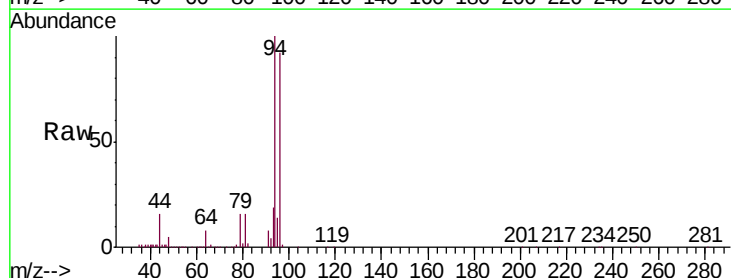
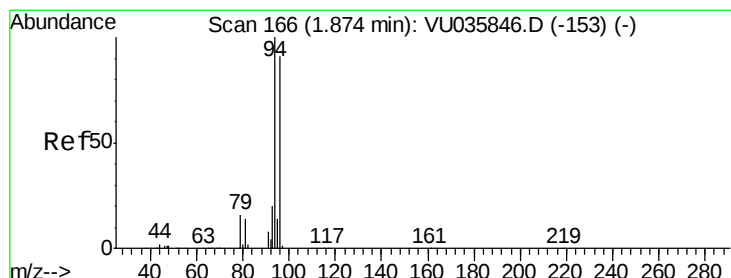
Acq: 26 Nov 2019 16:04

Tgt Ion: 94 Resp: 105300

Ion Ratio Lower Upper

94 100

96 92.3 66.5 123.5



Abundance Ion 94.00 (93.70 to 94.70): VU035846.D (-153) (-)

Ion 96.00 (95.70 to 96.70): VU035846.D (-153) (-)

1.87

100000

80000

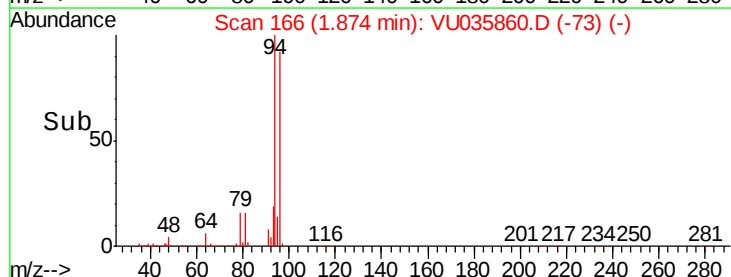
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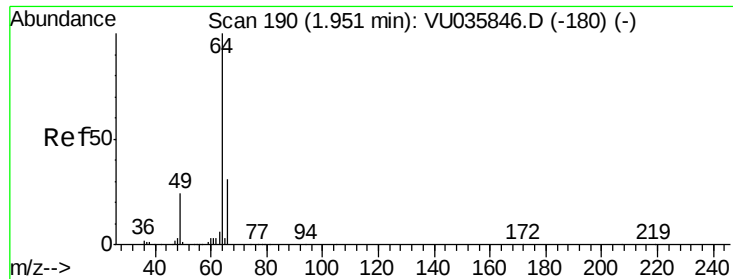
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Time-->

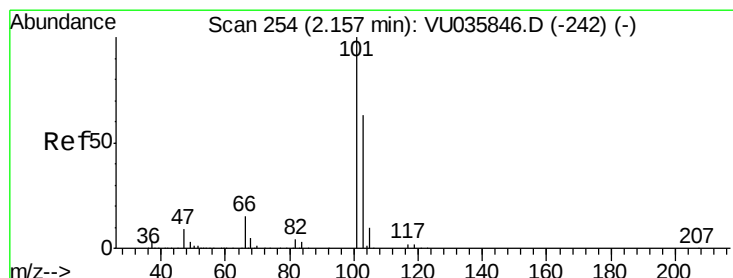
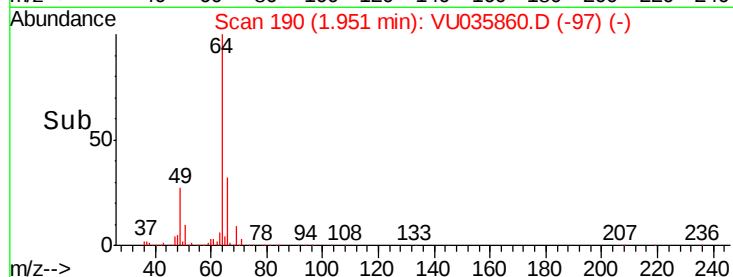
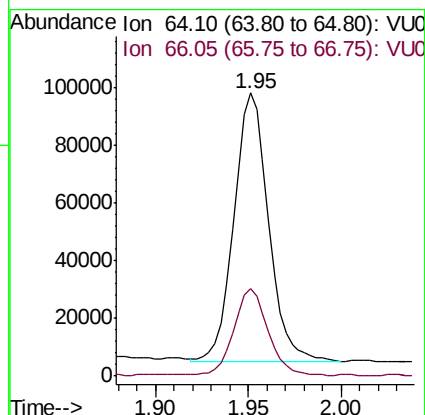
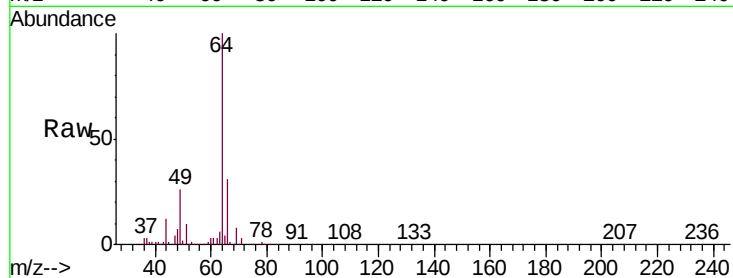




#8
Chloroethane
Concen: 5.131 ug/L
RT: 1.95 min Scan# 190
Delta R.T. 0.00 min
Lab File: VU035860.D
Acq: 26 Nov 2019 16:04

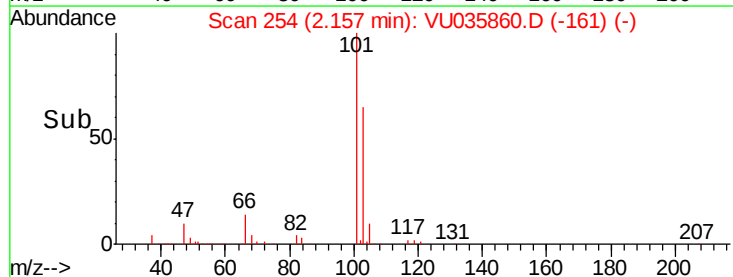
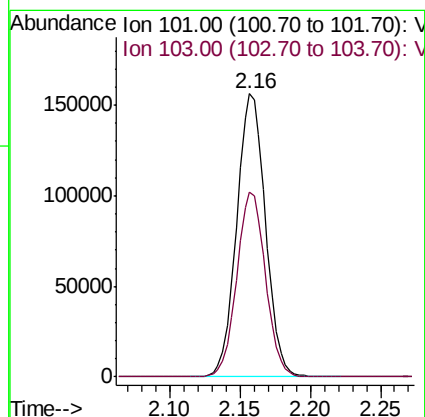
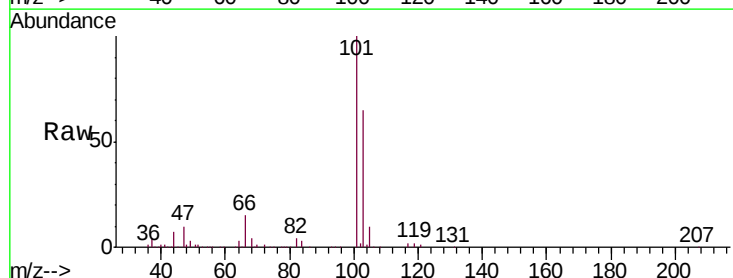
Instrument :
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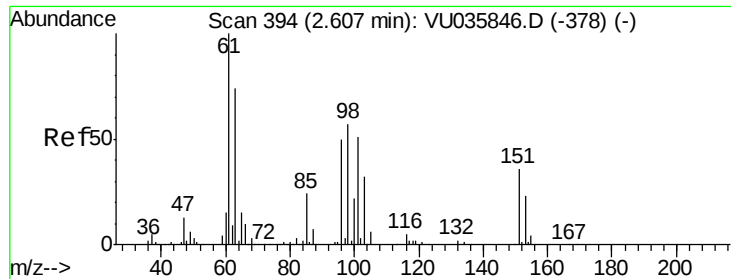
Tgt Ion: 64 Resp: 119835
Ion Ratio Lower Upper
64 100
66 30.8 22.3 41.5



#9
Trichlorofluoromethane
Concen: 4.773 ug/L
RT: 2.16 min Scan# 254
Delta R.T. 0.00 min
Lab File: VU035860.D
Acq: 26 Nov 2019 16:04

Tgt Ion: 101 Resp: 223716
Ion Ratio Lower Upper
101 100
103 65.1 49.8 74.6





#10

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

Concen: 4.729 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU035860.D

Acq: 26 Nov 2019 16:04

Instrument :

MSVOA_U

ClientSampled :

VSTD00511

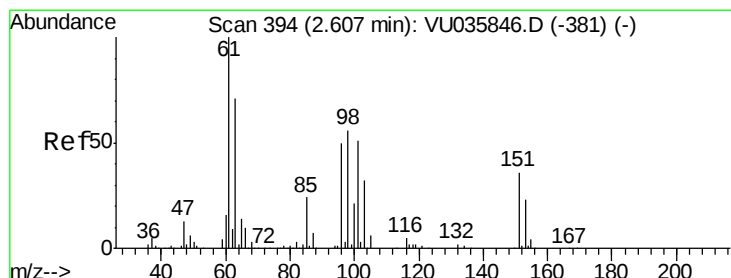
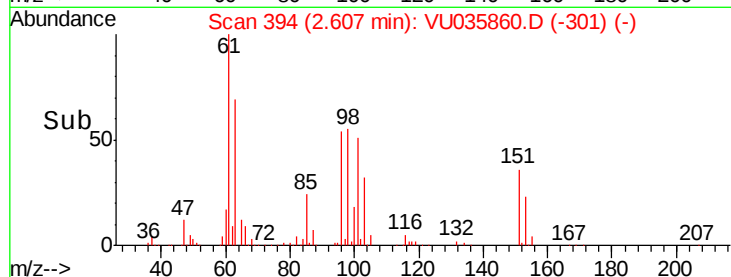
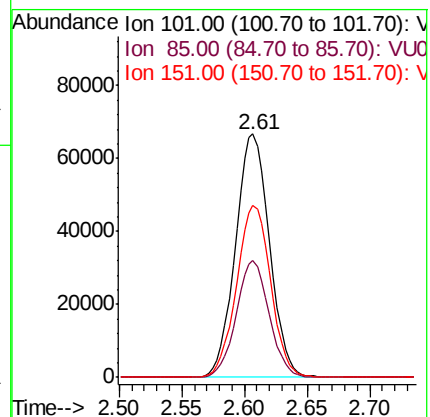
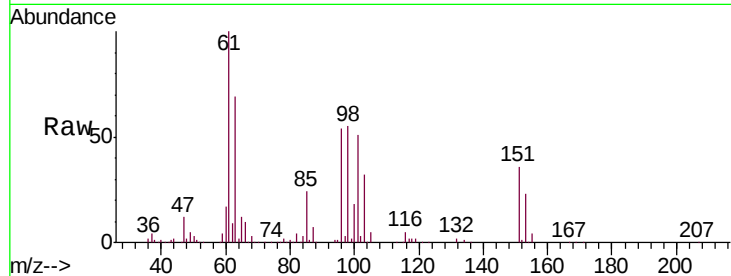
Tgt Ion: 101 Resp: 125928

Ion Ratio Lower Upper

101 100

85 46.2 38.1 57.1

151 70.6 52.0 78.0



#12

1,1-Dichloroethene

Concen: 4.452 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU035860.D

Acq: 26 Nov 2019 16:04

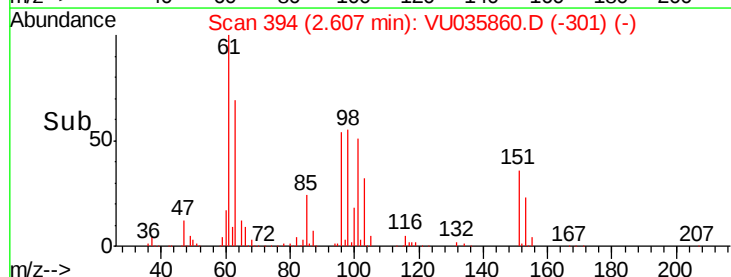
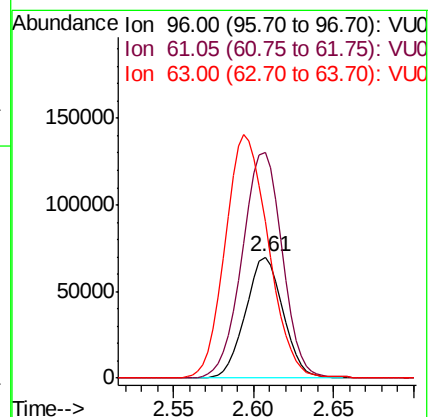
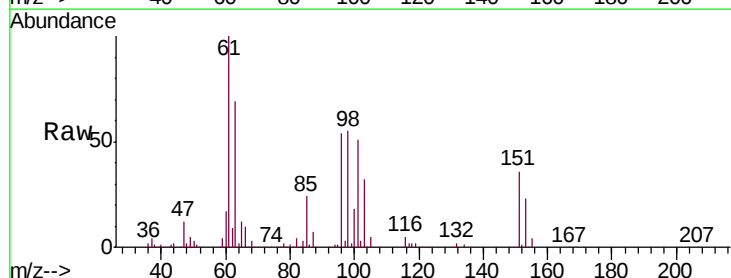
Tgt Ion: 96 Resp: 111992

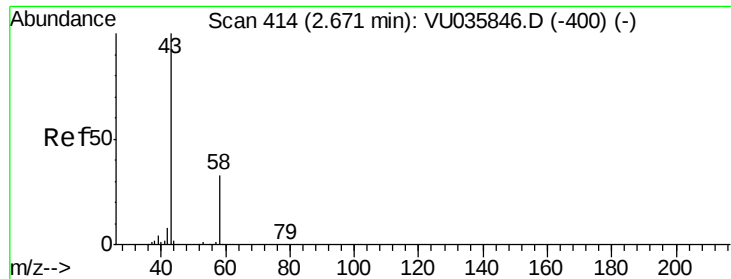
Ion Ratio Lower Upper

96 100

61 186.8 139.3 258.7

63 129.8 93.7 174.1





#13

Acetone

Concen: 40.948 ug/L

RT: 2.68 min Scan# 416

Delta R.T. 0.01 min

Lab File: VU035860.D

Acq: 26 Nov 2019 16:04

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MSVOA_U

ClientSampleId :

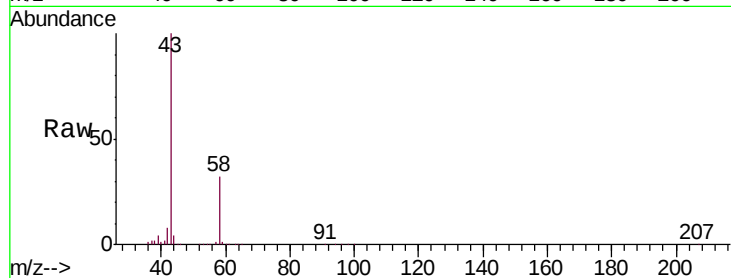
VSTD00511

Tgt Ion: 43 Resp: 262825

Ion Ratio Lower Upper

43 100

58 31.9 0.0 61.2



Abundance Ion 43.05 (42.75 to 43.75): VU035846.D (-400) (-)

Ion 58.05 (57.75 to 58.75): VU035846.D (-400) (-)

2.68

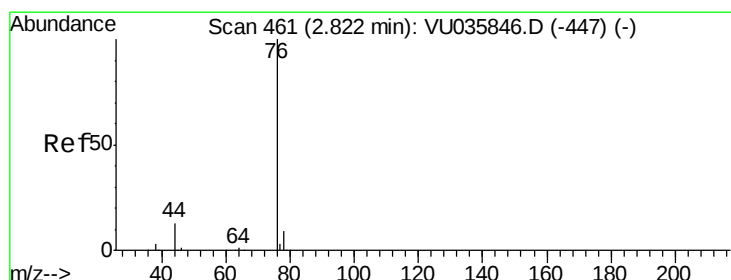
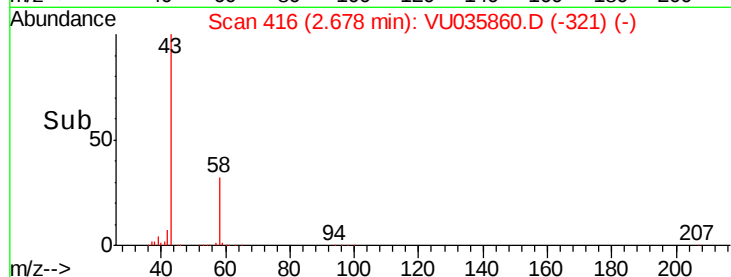
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50000

0

2.60 2.65 2.70 2.75 2.80

Time-->



#14

Carbon disulfide

Concen: 4.211 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU035860.D

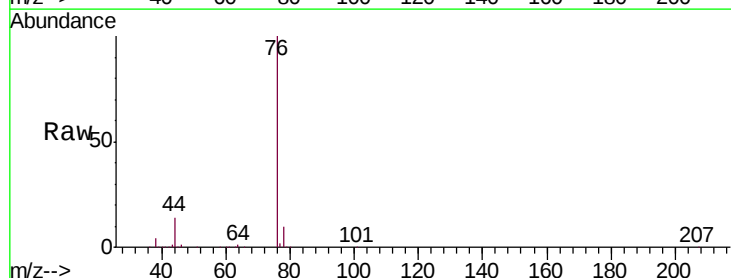
Acq: 26 Nov 2019 16:04

Tgt Ion: 76 Resp: 351812

Ion Ratio Lower Upper

76 100

78 9.7 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VU035846.D (-447) (-)

Ion 78.00 (77.70 to 78.70): VU035846.D (-447) (-)

2.82

200000

150000

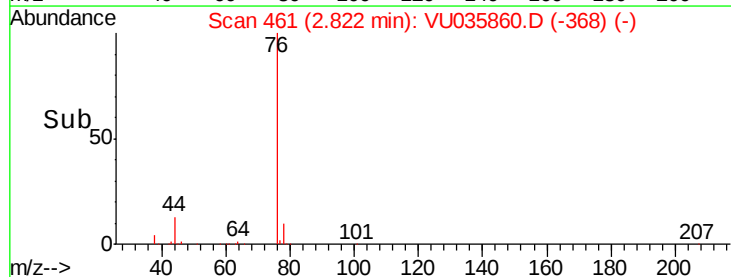
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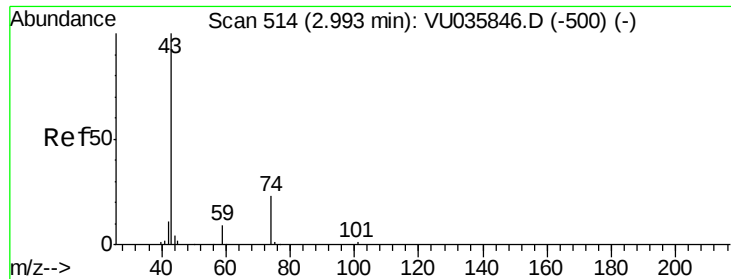
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2.75 2.80 2.85 2.90 2.95

Time-->

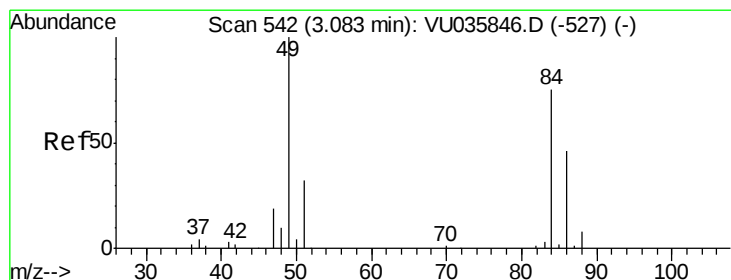
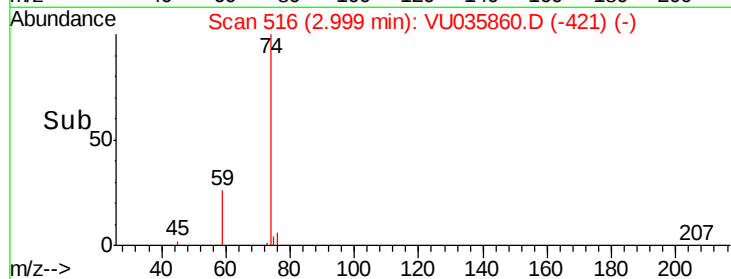
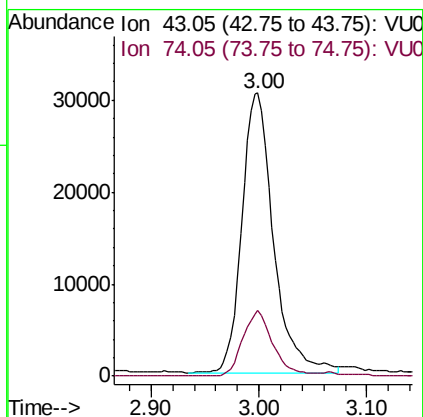
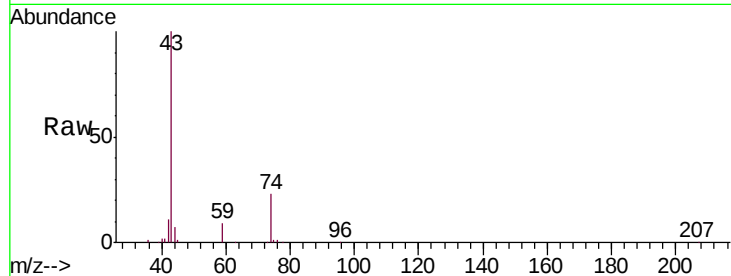




#15
Methyl Acetate
Concen: 4.813 ug/L
RT: 3.00 min Scan# 516
Delta R.T. 0.01 min
Lab File: VU035860.D
Acq: 26 Nov 2019 16:04

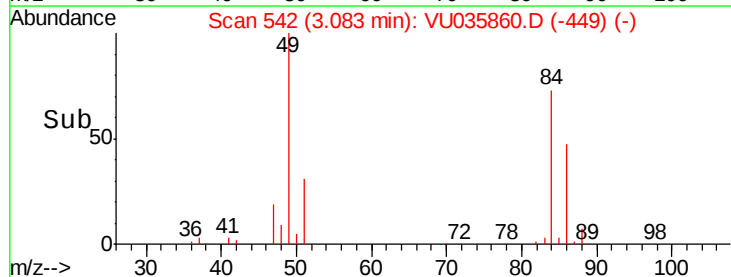
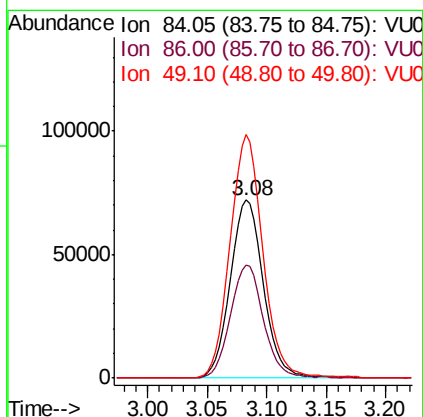
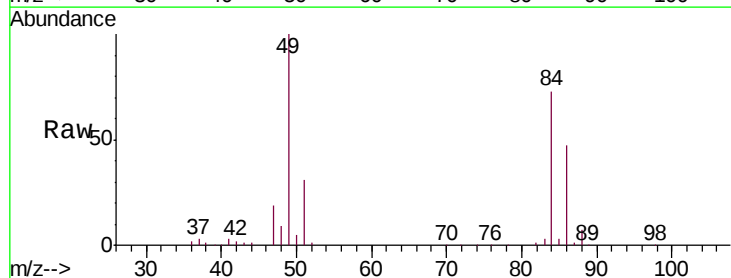
Instrument :
MSVOA_U
ClientSampleId :
VSTD00511

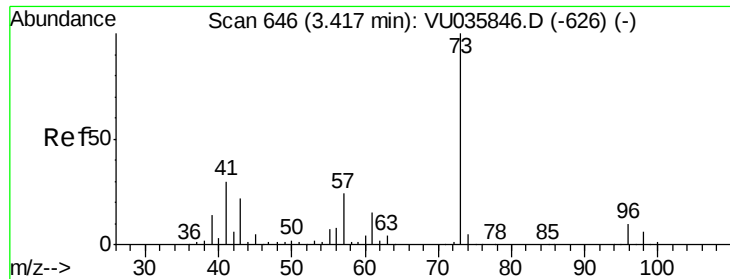
Tgt Ion: 43 Resp: 61931
Ion Ratio Lower Upper
43 100
74 22.7 18.2 27.4



#16
Methylene chloride
Concen: 4.592 ug/L
RT: 3.08 min Scan# 542
Delta R.T. 0.00 min
Lab File: VU035860.D
Acq: 26 Nov 2019 16:04

Tgt Ion: 84 Resp: 139539
Ion Ratio Lower Upper
84 100
86 63.5 44.4 82.5
49 136.6 94.0 174.6



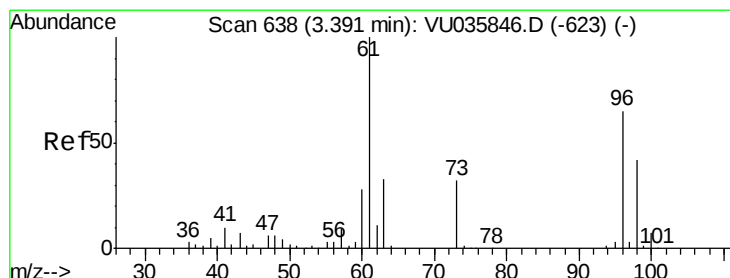
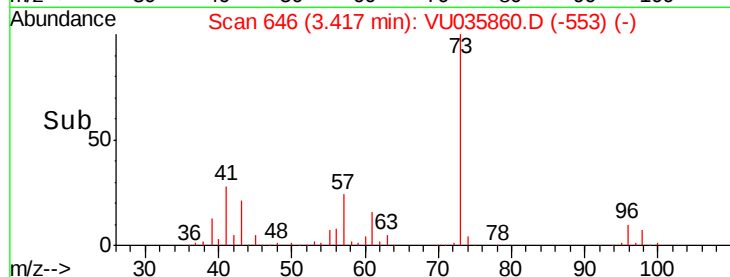
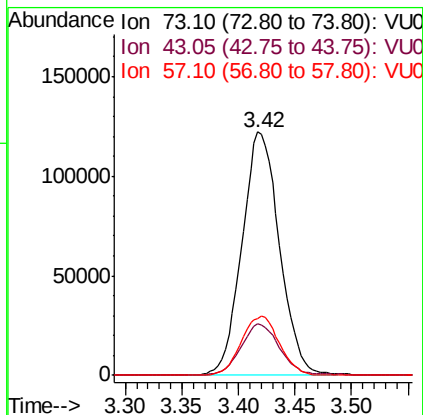
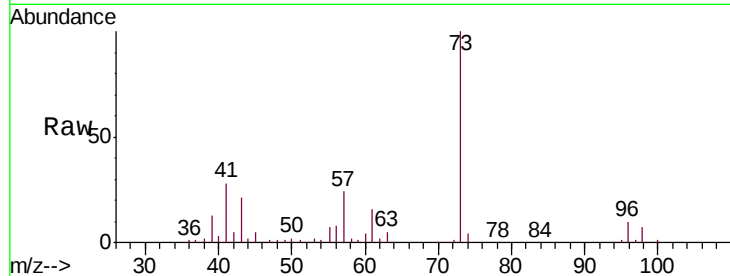


#17

Methyl tert-butyl Ether
 Concen: 4.640 ug/L
 RT: 3.42 min Scan# 646
 Delta R.T. 0.00 min
 Lab File: VU035860.D
 Acq: 26 Nov 2019 16:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00511

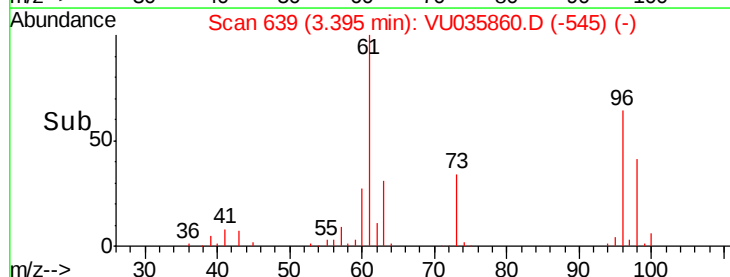
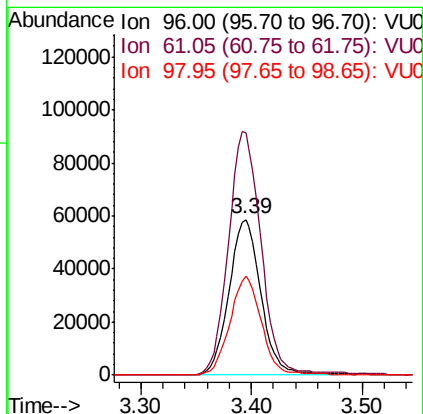
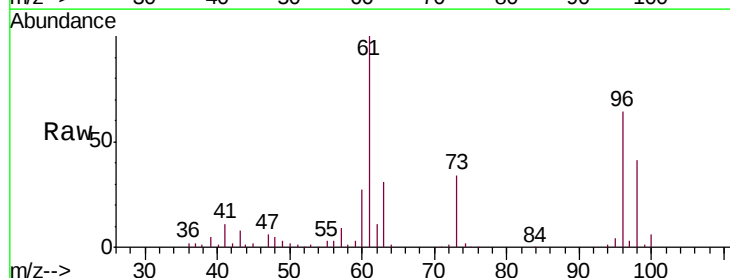
Tgt Ion: 73 Resp: 282404
 Ion Ratio Lower Upper
 73 100
 43 21.3 17.4 26.2
 57 24.7 19.4 29.0

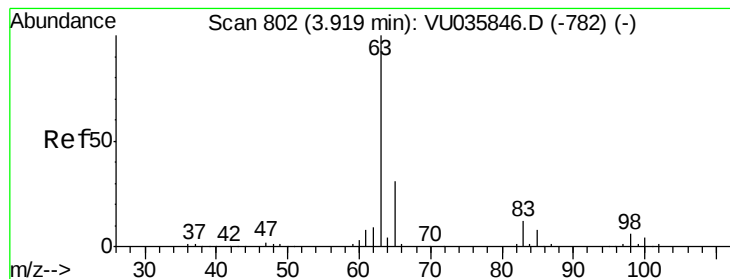


#18

trans-1,2-Dichloroethene
 Concen: 4.762 ug/L
 RT: 3.39 min Scan# 639
 Delta R.T. 0.00 min
 Lab File: VU035860.D
 Acq: 26 Nov 2019 16:04

Tgt Ion: 96 Resp: 117945
 Ion Ratio Lower Upper
 96 100
 61 155.4 111.1 206.3
 98 63.2 43.1 80.1





#19

1,1-Dichloroethane

Concen: 4.833 ug/L

RT: 3.92 min Scan# 802

Delta R.T. 0.00 min

Lab File: VU035860.D

Acq: 26 Nov 2019 16:04

Instrument :

MSVOA_U

ClientSampled :

VSTD00511

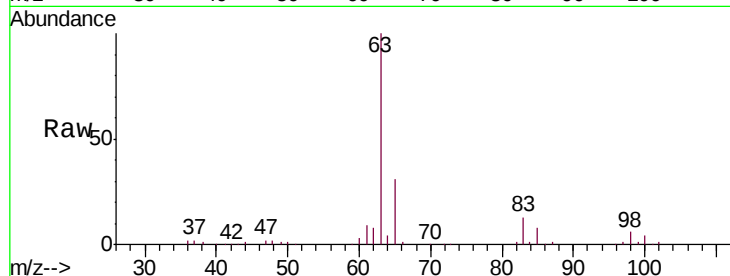
Tgt Ion: 63 Resp: 268936

Ion Ratio Lower Upper

63 100

65 30.6 21.8 40.4

83 13.0 8.6 16.0

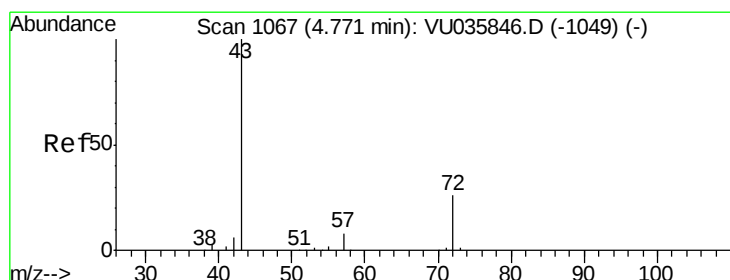
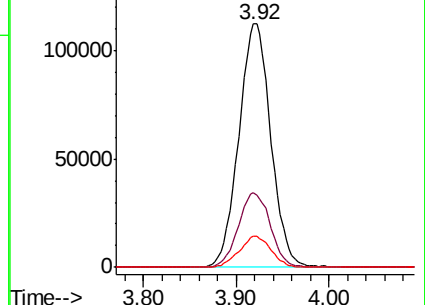
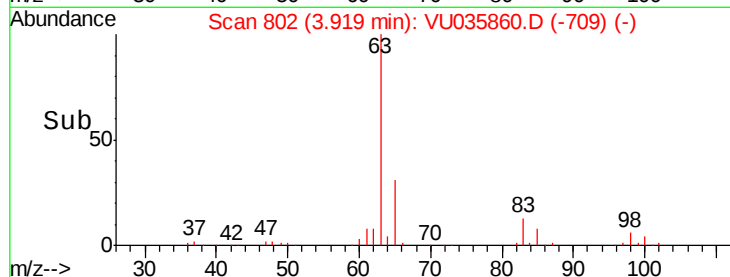


Abundance Ion 63.10 (62.80 to 63.80): VU035860.D (-782) (-)

Ion 65.10 (64.80 to 65.80): VU035860.D (-782) (-)

Ion 83.05 (82.75 to 83.75): VU035860.D (-782) (-)

Time-->



#21

2-Butanone

Concen: 50.359 ug/L

RT: 4.78 min Scan# 1069

Delta R.T. 0.01 min

Lab File: VU035860.D

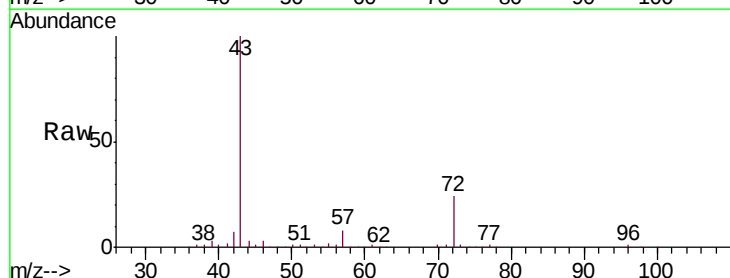
Acq: 26 Nov 2019 16:04

Tgt Ion: 43 Resp: 409023

Ion Ratio Lower Upper

43 100

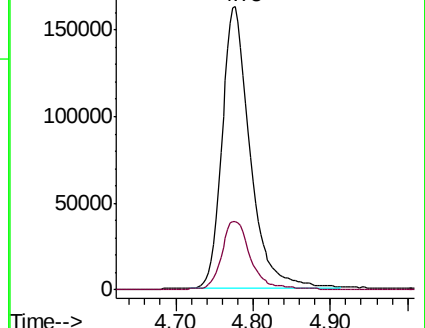
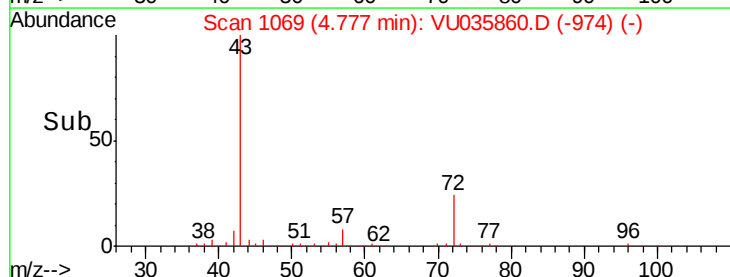
72 25.9 12.4 37.4

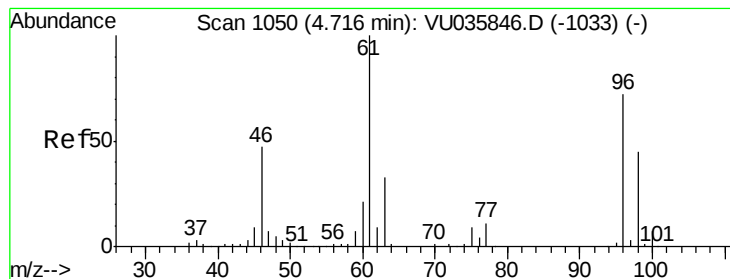


Abundance Ion 43.05 (42.75 to 43.75): VU035860.D (-974) (-)

Ion 72.10 (71.80 to 72.80): VU035860.D (-974) (-)

Time-->





#22

cis-1,2-Dichloroethene

Concen: 4.792 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU035860.D

Acq: 26 Nov 2019 16:04

Instrument :

MSVOA_U

ClientSampled :

VSTD00511

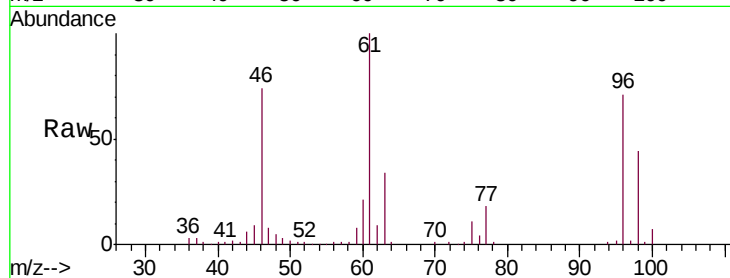
Tgt Ion: 96 Resp: 132259

Ion Ratio Lower Upper

96 100

61 140.2 98.1 182.1

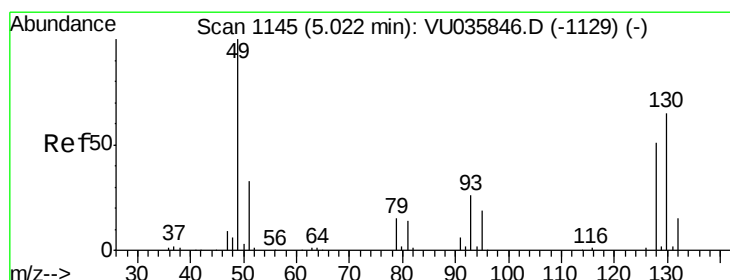
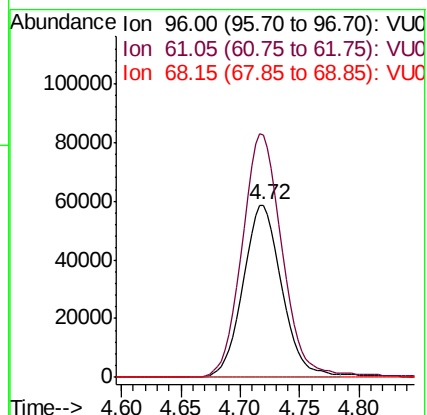
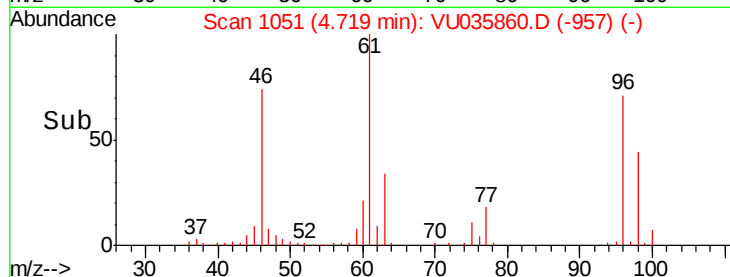
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU035860.D (-957) (-)

Ion 61.05 (60.75 to 61.75): VU035860.D (-957) (-)

Ion 68.15 (67.85 to 68.85): VU035860.D (-957) (-)



#23

Bromochloromethane

Concen: 5.041 ug/L

RT: 5.02 min Scan# 1146

Delta R.T. 0.00 min

Lab File: VU035860.D

Acq: 26 Nov 2019 16:04

Tgt Ion: 128 Resp: 60608

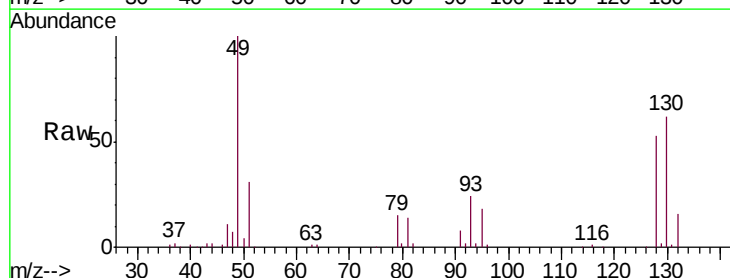
Ion Ratio Lower Upper

128 100

49 188.6 133.8 248.6

130 117.6 91.1 169.1

51 58.1 46.5 69.7

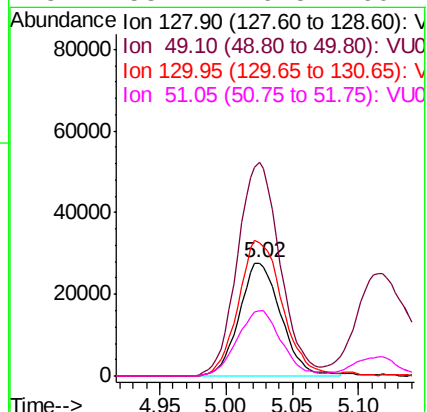
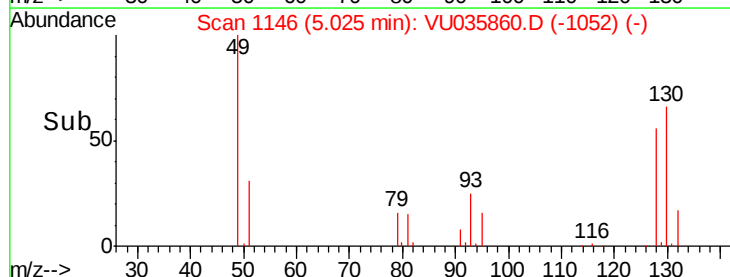


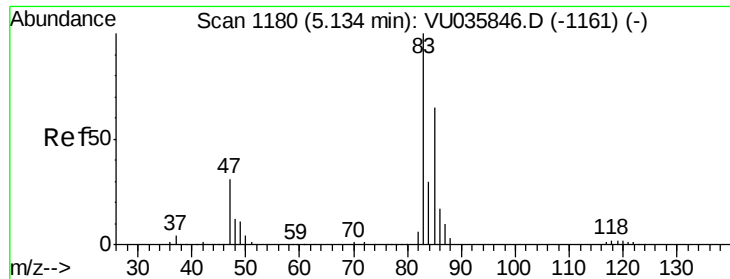
Abundance Ion 127.90 (127.60 to 128.60): VU035860.D (-1052) (-)

Ion 49.10 (48.80 to 49.80): VU035860.D (-1052) (-)

Ion 129.95 (129.65 to 130.65): VU035860.D (-1052) (-)

Ion 51.05 (50.75 to 51.75): VU035860.D (-1052) (-)

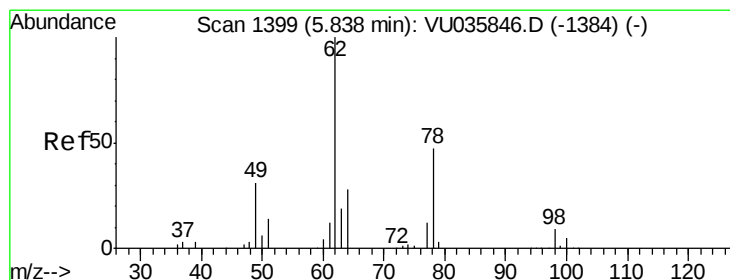
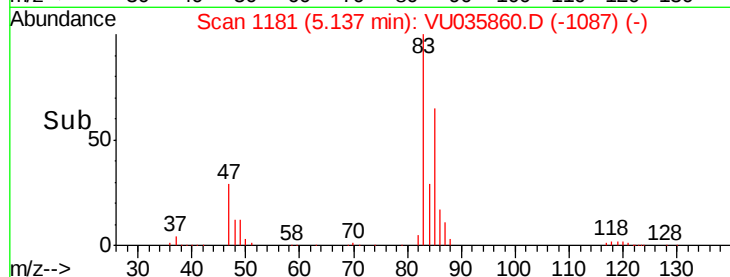
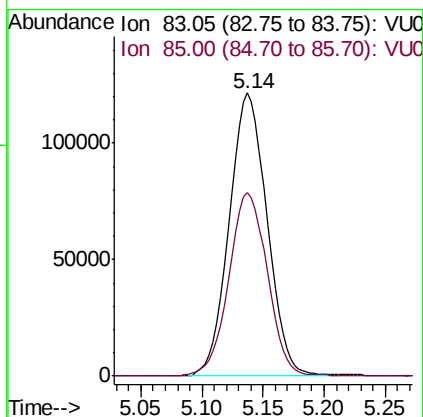
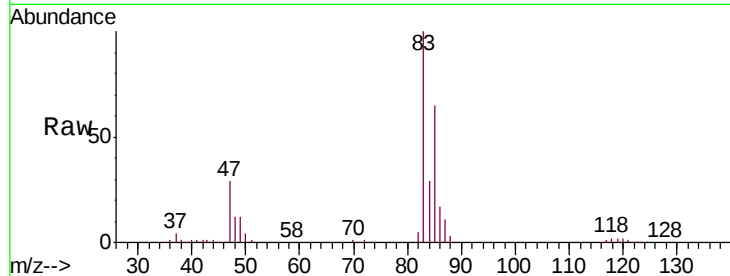




#25
Chloroform
Concen: 4.851 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VU035860.D
Acq: 26 Nov 2019 16:04

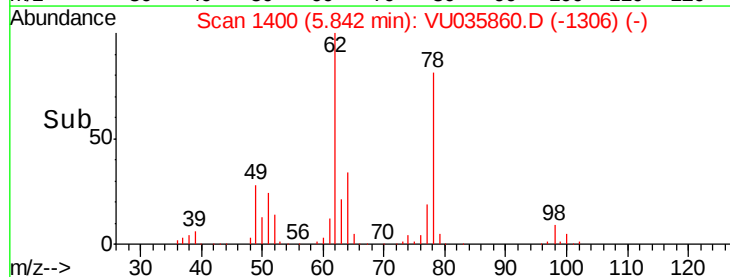
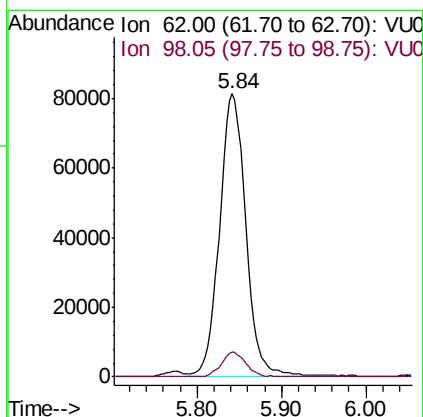
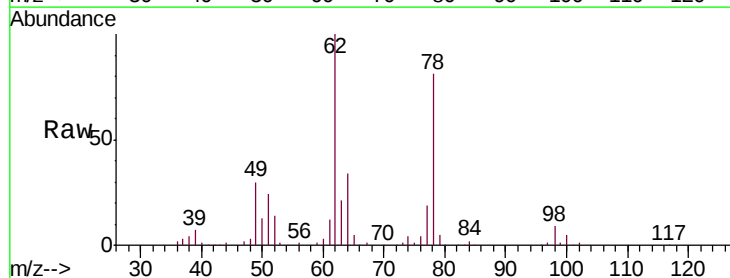
Instrument :
MSVOA_U
ClientSampleId :
VSTD00511

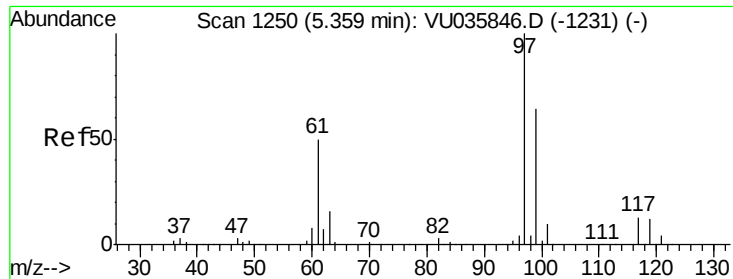
Tgt Ion: 83 Resp: 262696
Ion Ratio Lower Upper
83 100
85 64.7 44.6 82.8



#27
1,2-Dichloroethane
Concen: 4.924 ug/L
RT: 5.84 min Scan# 1400
Delta R.T. 0.00 min
Lab File: VU035860.D
Acq: 26 Nov 2019 16:04

Tgt Ion: 62 Resp: 175361
Ion Ratio Lower Upper
62 100
98 8.8 6.2 9.4

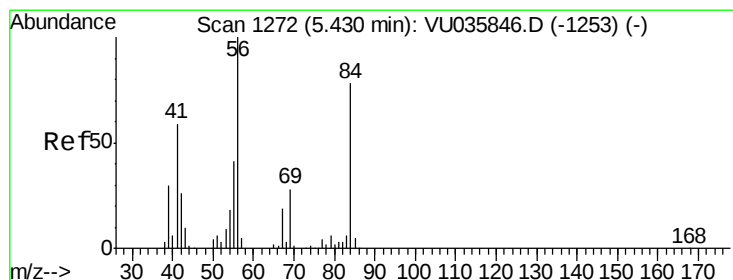
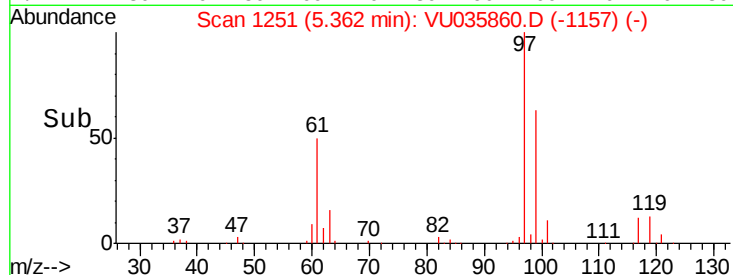
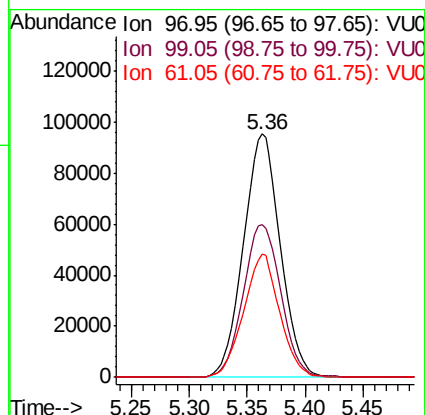
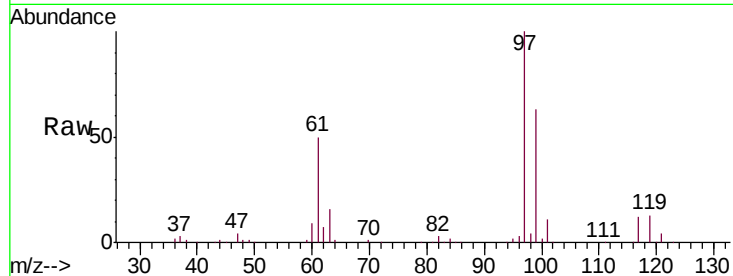




#29
 1,1,1-Trichloroethane
 Concen: 4.897 ug/L
 RT: 5.36 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VU035860.D
 Acq: 26 Nov 2019 16:04

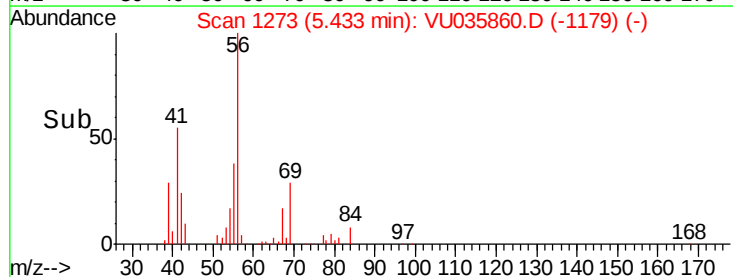
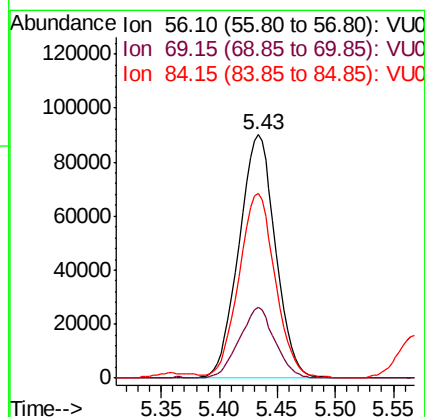
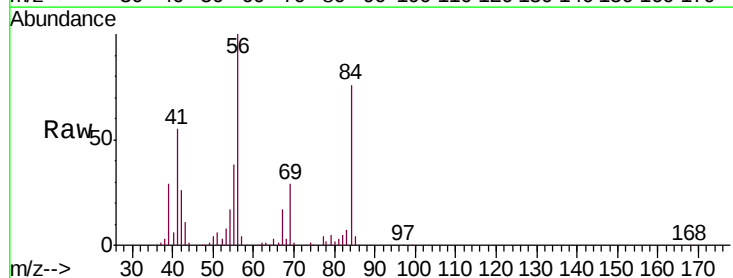
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00511

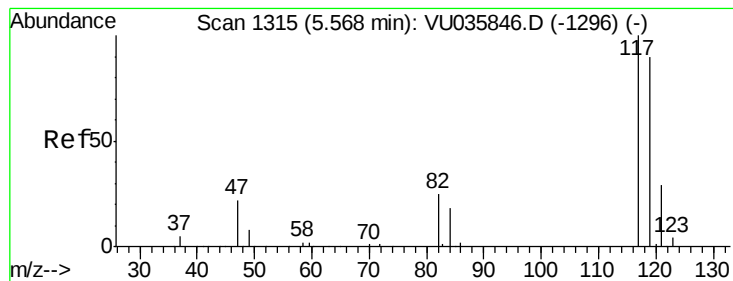
Tgt Ion: 97 Resp: 210927
 Ion Ratio Lower Upper
 97 100
 99 63.8 51.9 77.9
 61 49.5 40.3 60.5



#30
 Cyclohexane
 Concen: 4.684 ug/L
 RT: 5.43 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: VU035860.D
 Acq: 26 Nov 2019 16:04

Tgt Ion: 56 Resp: 197177
 Ion Ratio Lower Upper
 56 100
 69 28.3 24.0 36.0
 84 75.9 62.1 93.1





#31

Carbon tetrachloride

Concen: 4.857 ug/L

RT: 5.57 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VU035860.D

Acq: 26 Nov 2019 16:04

Instrument :

MSVOA_U

ClientSampleId :

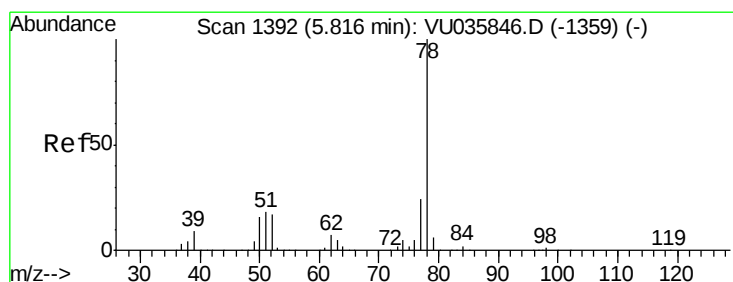
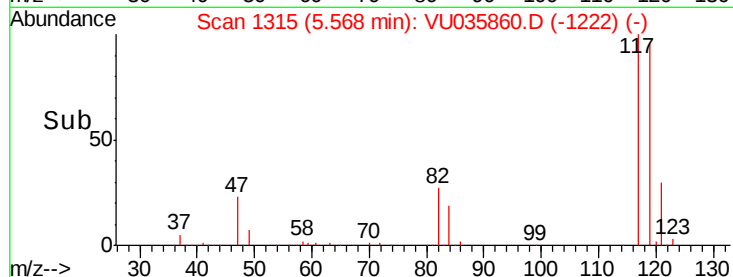
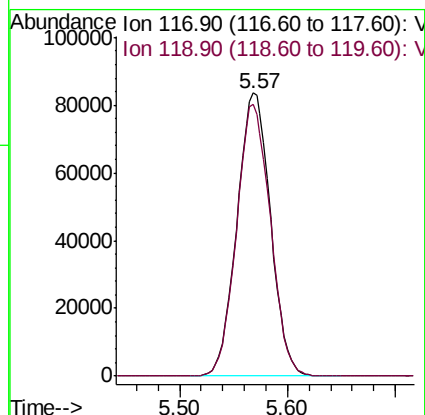
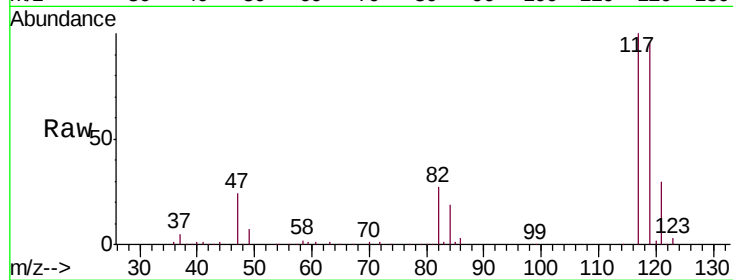
VSTD00511

Tgt Ion:117 Resp: 181148

Ion Ratio Lower Upper

117 100

119 96.8 76.0 114.0



#33

Benzene

Concen: 5.048 ug/L

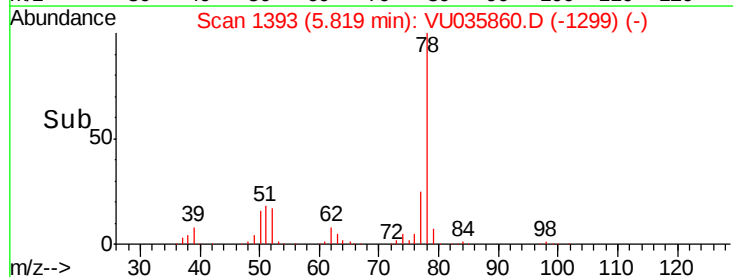
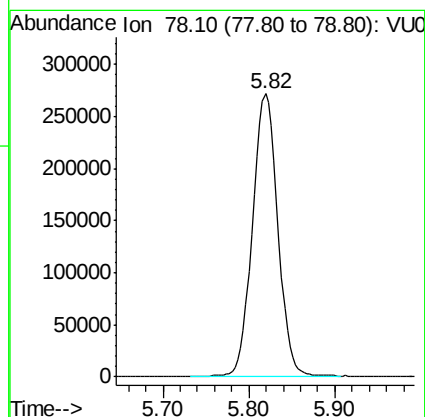
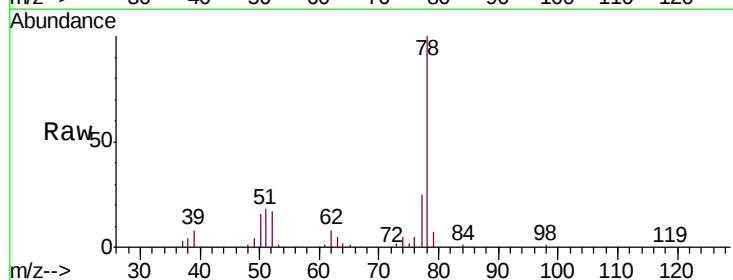
RT: 5.82 min Scan# 1393

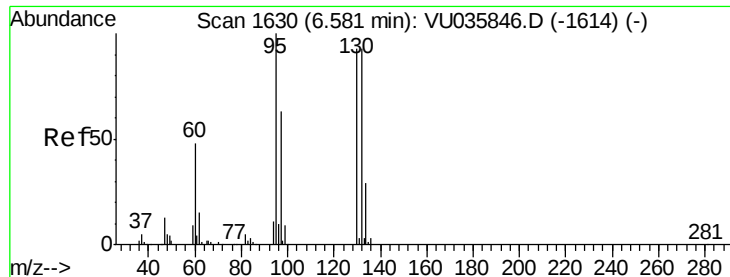
Delta R.T. 0.00 min

Lab File: VU035860.D

Acq: 26 Nov 2019 16:04

Tgt Ion: 78 Resp: 562128





#34

Trichloroethene

Concen: 5.039 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU035860.D

Acq: 26 Nov 2019 16:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD00511

Tgt Ion: 95 Resp: 137567

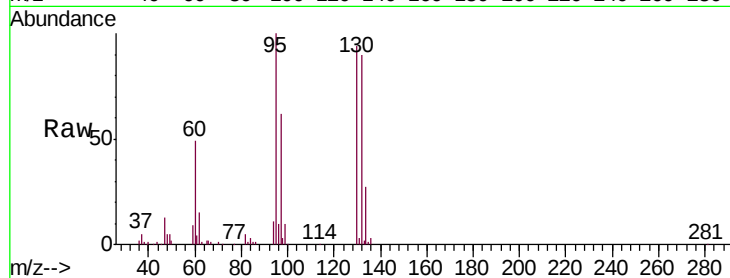
Ion Ratio Lower Upper

95 100

97 61.7 45.1 83.9

132 90.2 61.9 114.9

130 94.1 66.3 123.1

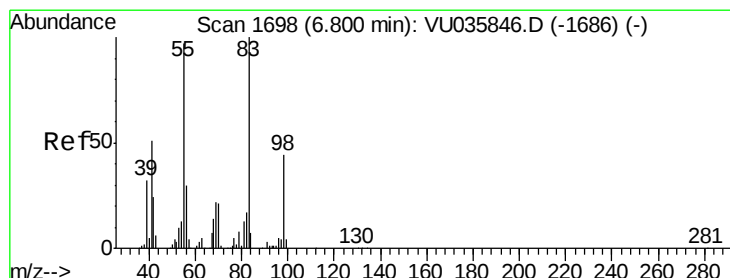
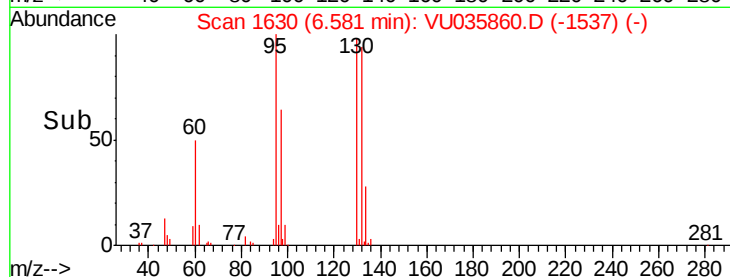
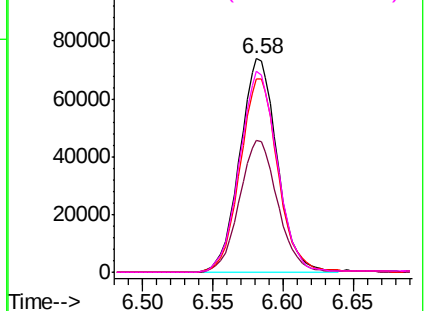


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 4.580 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VU035860.D

Acq: 26 Nov 2019 16:04

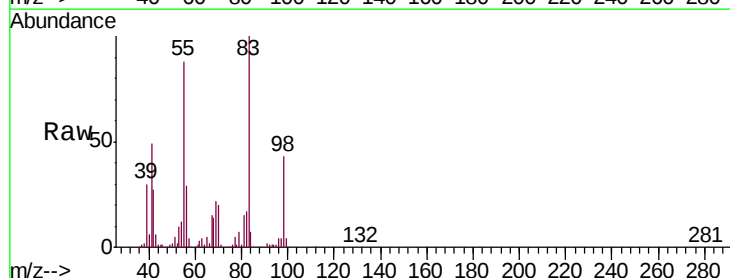
Tgt Ion: 83 Resp: 183493

Ion Ratio Lower Upper

83 100

55 89.8 72.7 109.1

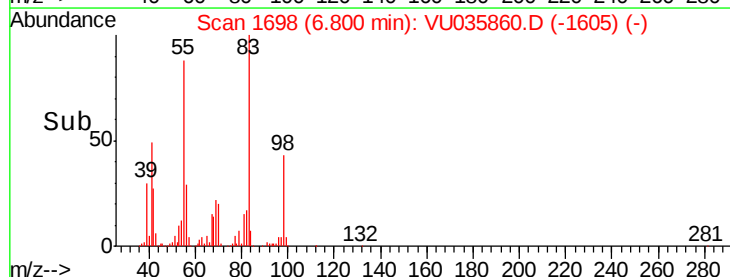
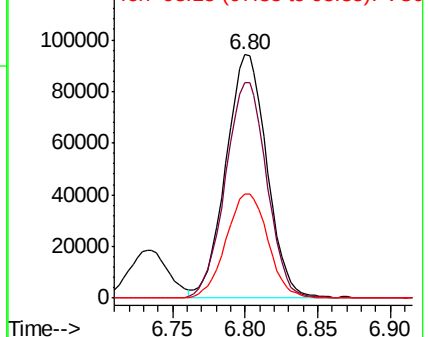
98 44.3 36.2 54.4

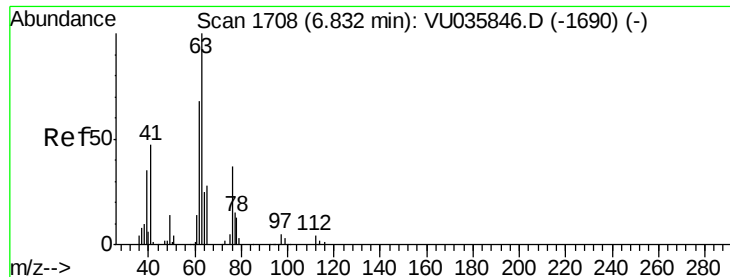


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 4.870 ug/L

RT: 6.83 min Scan# 1708

Delta R.T. 0.00 min

Lab File: VU035860.D

Acq: 26 Nov 2019 16:04

Instrument :

MSVOA_U

ClientSampleId :

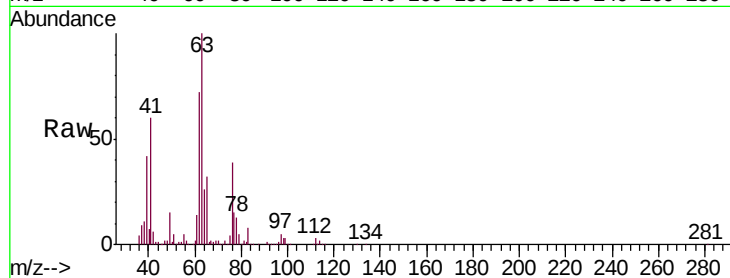
VSTD00511

Tgt Ion: 63 Resp: 153775

Ion Ratio Lower Upper

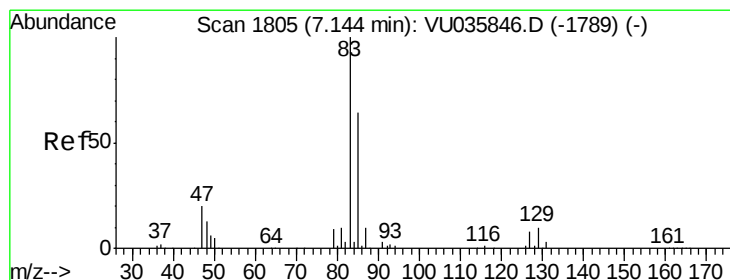
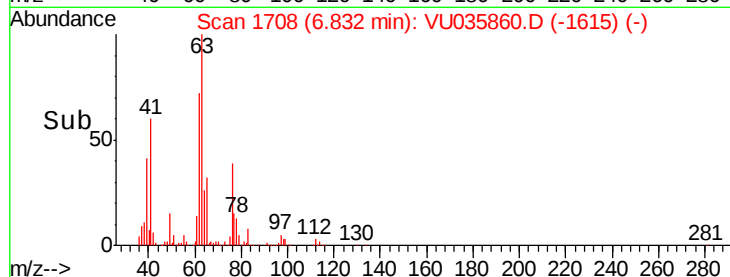
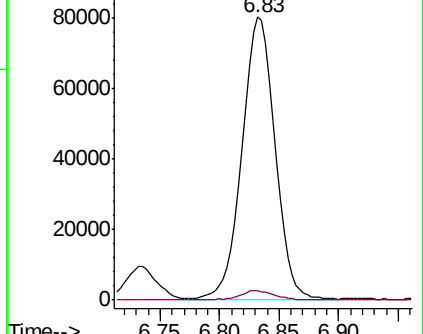
63 100

112 3.7 2.7 4.1



Abundance Ion 63.10 (62.80 to 63.80): VU035860.D (-1615) (-)

Ion 112.10 (111.80 to 112.80): VU035860.D (-1615) (-)



#38

Bromodichloromethane

Concen: 4.955 ug/L

RT: 7.15 min Scan# 1806

Delta R.T. 0.00 min

Lab File: VU035860.D

Acq: 26 Nov 2019 16:04

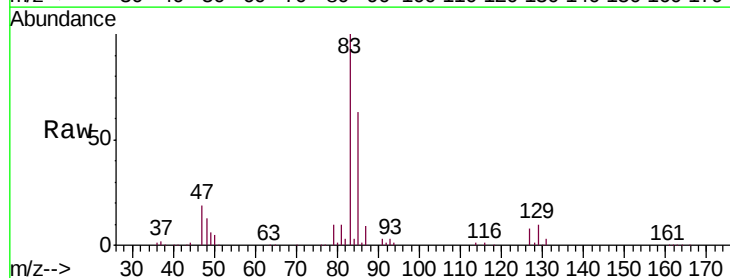
Tgt Ion: 83 Resp: 187553

Ion Ratio Lower Upper

83 100

85 63.2 45.6 84.8

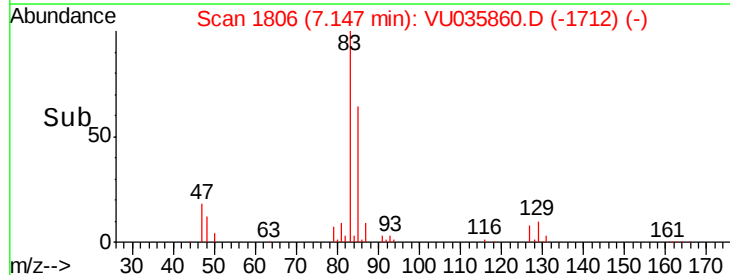
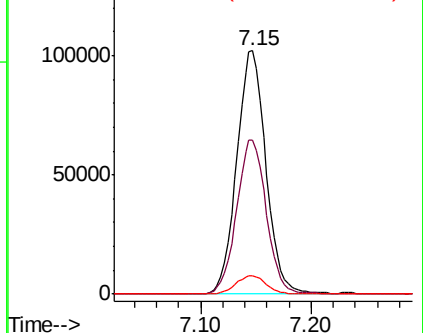
127 7.6 6.0 9.0

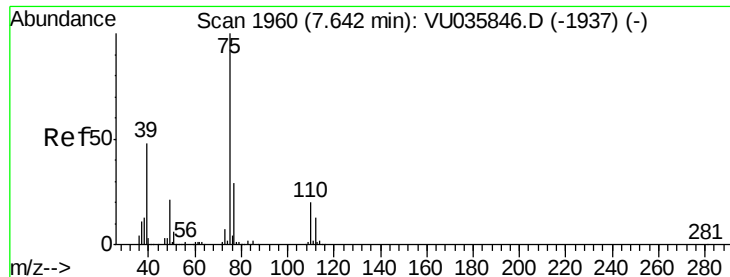


Abundance Ion 82.95 (82.65 to 83.65): VU035860.D (-1712) (-)

Ion 85.00 (84.70 to 85.70): VU035860.D (-1712) (-)

Ion 126.90 (126.60 to 127.60): VU035860.D (-1712) (-)





#39

cis-1,3-Dichloropropene

Concen: 4.867 ug/L

RT: 7.65 min Scan# 1961

Delta R.T. 0.00 min

Lab File: VU035860.D

Acq: 26 Nov 2019 16:04

Instrument :

MSVOA_U

ClientSampleId :

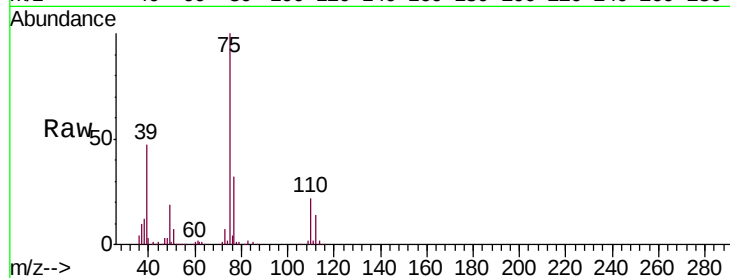
VSTD00511

Tgt Ion: 75 Resp: 198951

Ion Ratio Lower Upper

75 100

77 31.7 22.1 41.1



Abundance Ion 75.05 (74.75 to 75.75): VU035846.D (-1937) (-)

Ion 77.05 (76.75 to 77.75): VU035846.D (-1937) (-)

7.65

120000

100000

80000

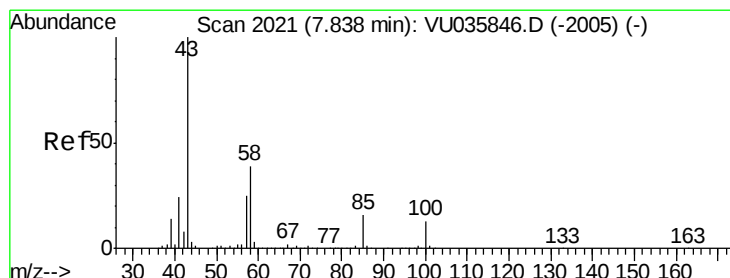
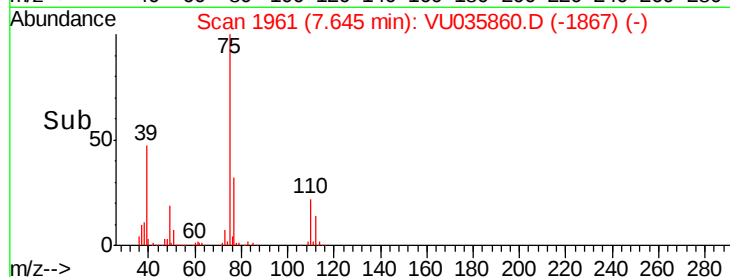
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#40

4-Methyl-2-pentanone

Concen: 50.159 ug/L

RT: 7.84 min Scan# 2021

Delta R.T. 0.00 min

Lab File: VU035860.D

Acq: 26 Nov 2019 16:04

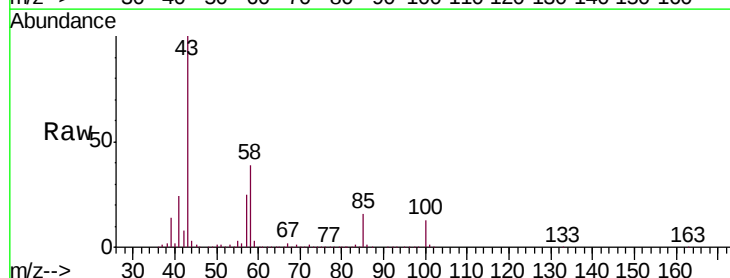
Tgt Ion: 43 Resp: 972459

Ion Ratio Lower Upper

43 100

58 38.9 30.8 46.2

100 12.8 10.0 15.0



Abundance Ion 43.05 (42.75 to 43.75): VU035846.D (-2005) (-)

Ion 58.05 (57.75 to 58.75): VU035846.D (-2005) (-)

Ion 100.15 (99.85 to 100.85): VU035846.D (-2005) (-)

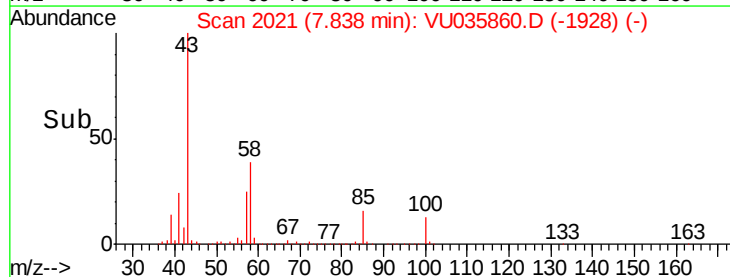
600000

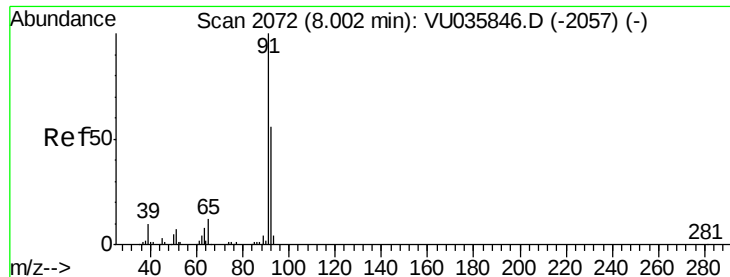
400000

200000

0

Time--> 7.80 7.90





#42

Toluene

Concen: 5.112 ug/L

RT: 8.01 min Scan# 2073

Delta R.T. 0.00 min

Lab File: VU035860.D

Acq: 26 Nov 2019 16:04

Instrument :

MSVOA_U

ClientSampleId :

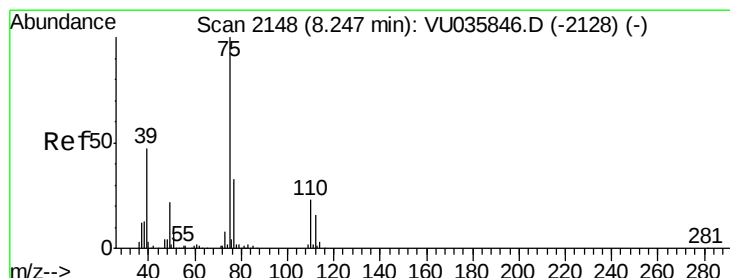
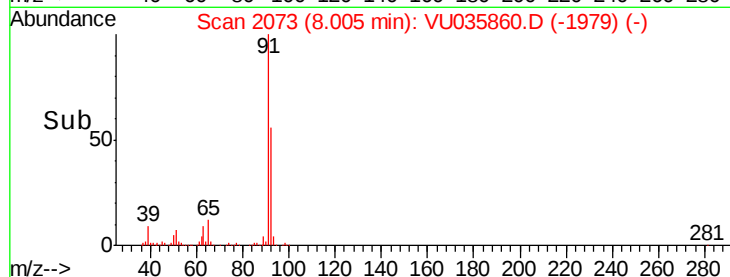
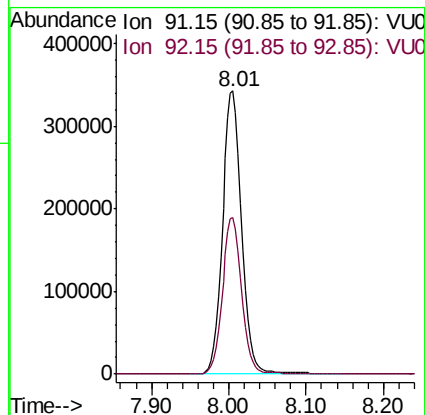
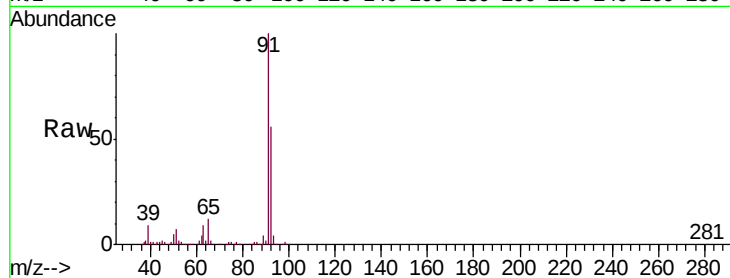
VSTD00511

Tgt Ion: 91 Resp: 592117

Ion Ratio Lower Upper

91 100

92 55.5 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 5.065 ug/L

RT: 8.25 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VU035860.D

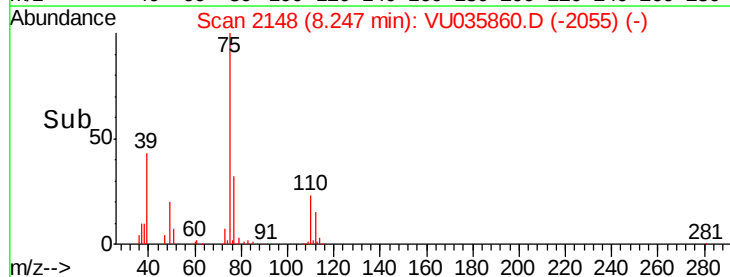
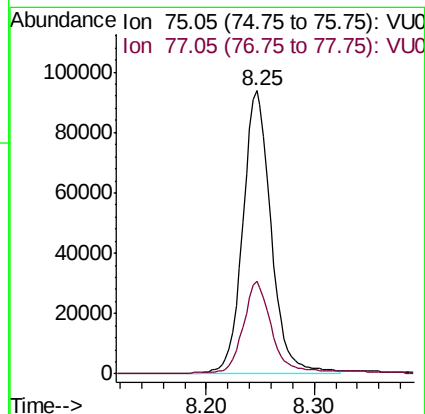
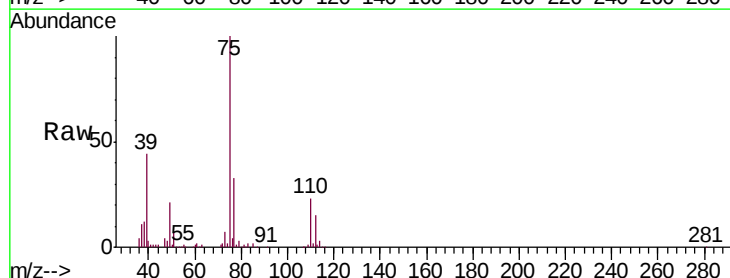
Acq: 26 Nov 2019 16:04

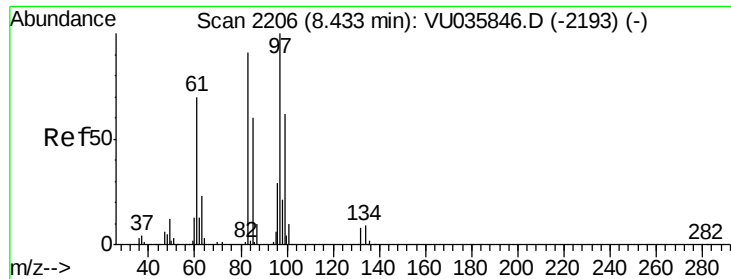
Tgt Ion: 75 Resp: 171682

Ion Ratio Lower Upper

75 100

77 32.6 22.7 42.1

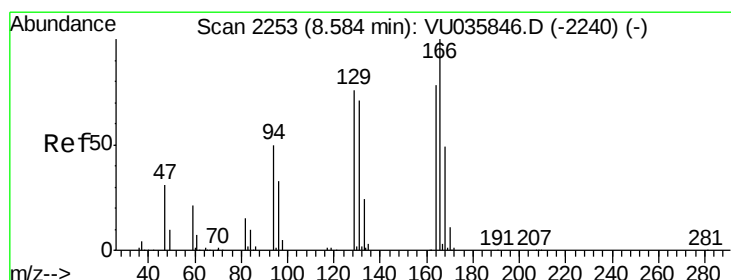
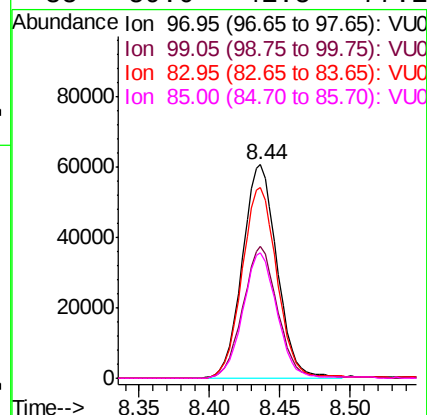
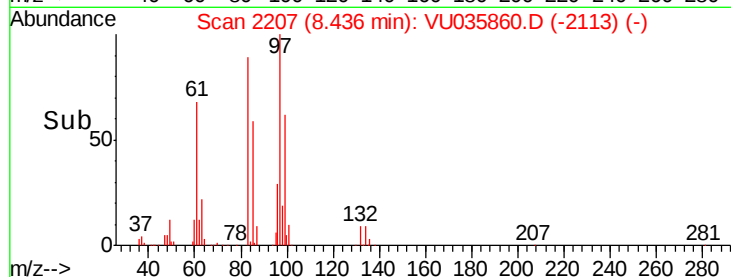
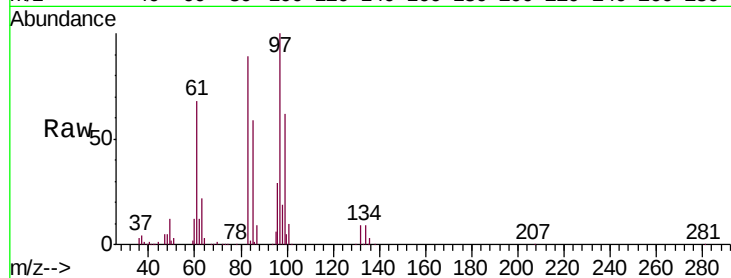




#45
 1,1,2-Trichloroethane
 Concen: 5.103 ug/L
 RT: 8.44 min Scan# 2207
 Delta R.T. 0.00 min
 Lab File: VU035860.D
 Acq: 26 Nov 2019 16:04

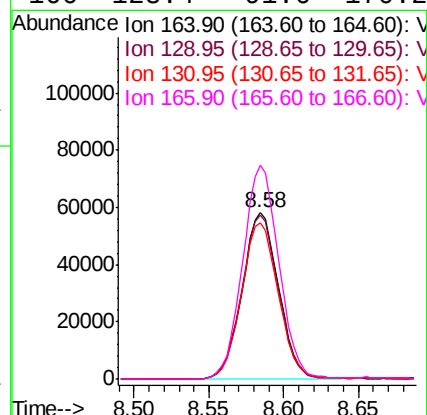
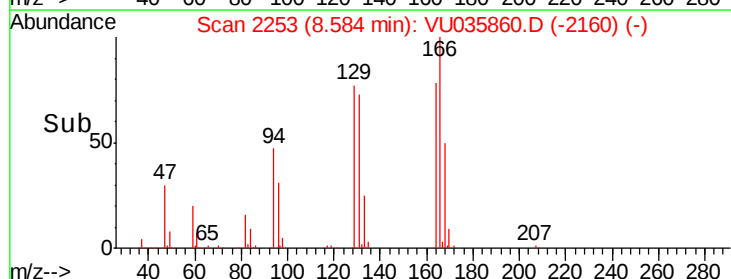
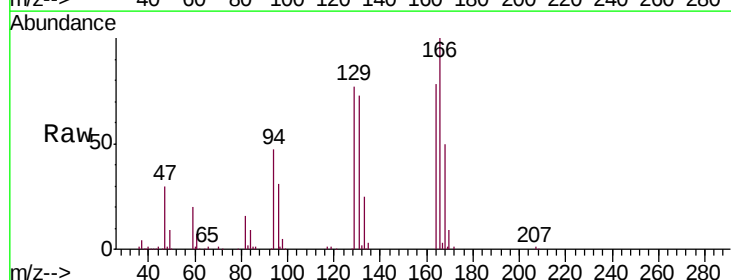
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00511

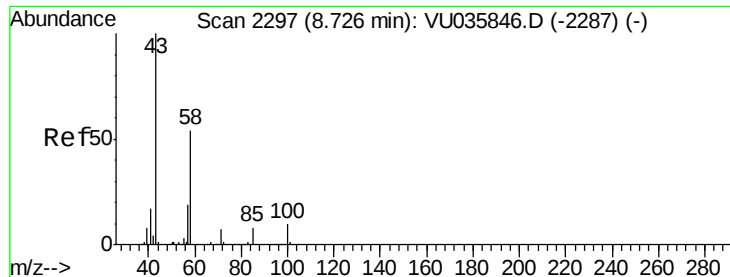
Tgt Ion:	97	Resp:	104995
Ion	Ratio	Lower	Upper
97	100		
99	61.8	44.2	82.0
83	89.4	62.2	115.6
85	59.0	41.5	77.1



#47
 Tetrachloroethene
 Concen: 4.753 ug/L
 RT: 8.58 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VU035860.D
 Acq: 26 Nov 2019 16:04

Tgt Ion:	164	Resp:	98730
Ion	Ratio	Lower	Upper
164	100		
129	98.3	68.8	127.8
131	94.1	67.3	124.9
166	128.4	91.6	170.2

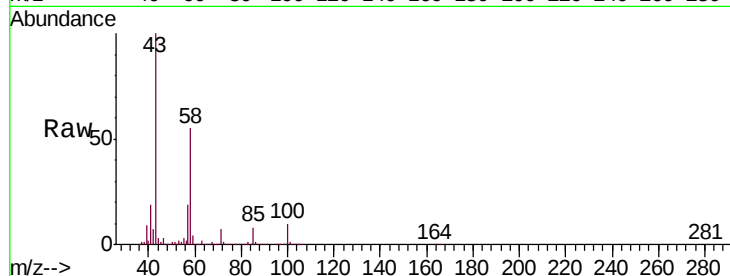




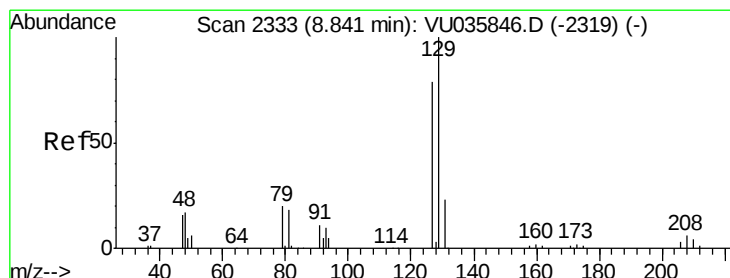
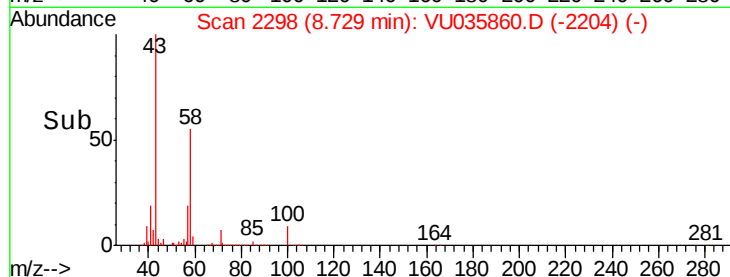
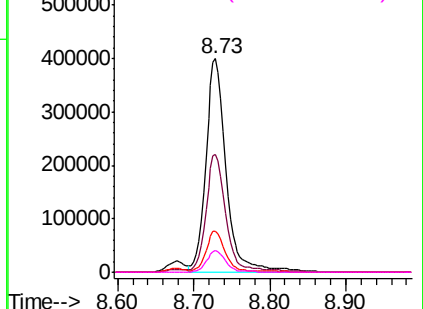
#48
2-Hexanone
Concen: 52.030 ug/L
RT: 8.73 min Scan# 2298
Delta R.T. 0.00 min
Lab File: VU035860.D
Acq: 26 Nov 2019 16:04

Instrument :
MSVOA_U
ClientSampleId :
VSTD00511

Tgt Ion:	43	Resp:	742655
Ion	Ratio	Lower	Upper
43	100		
58	51.6	39.8	59.8
57	18.0	14.0	21.0
100	9.6	7.2	10.8

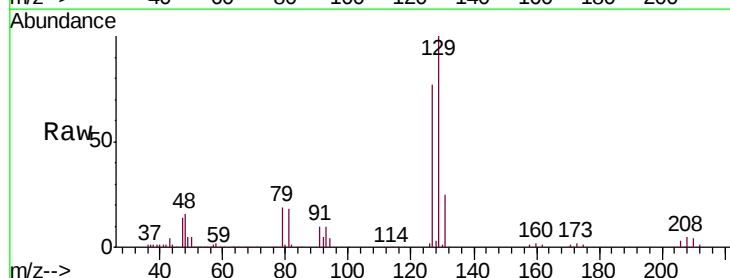


Abundance Ion 43.05 (42.75 to 43.75): VU035860.D (-2298) (-)
Ion 58.05 (57.75 to 58.75): VU035860.D (-2298) (-)
Ion 57.20 (56.90 to 57.90): VU035860.D (-2298) (-)
Ion 100.15 (99.85 to 100.85): VU035860.D (-2298) (-)

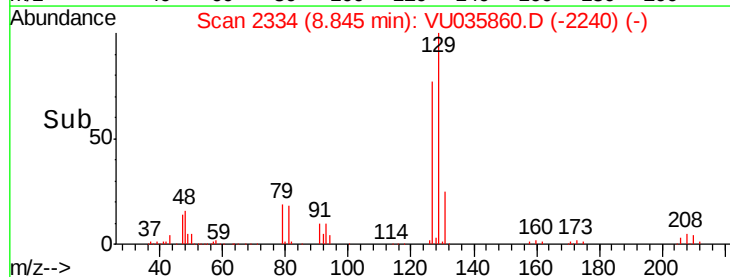
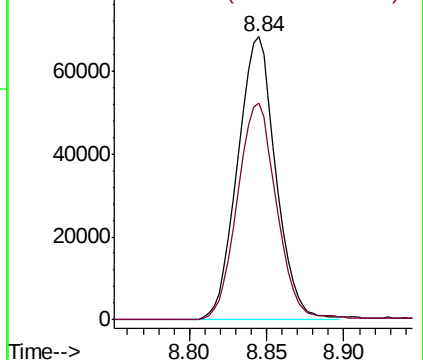


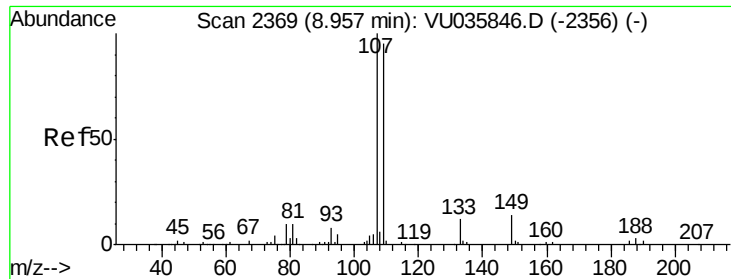
#49
Dibromochloromethane
Concen: 4.843 ug/L
RT: 8.84 min Scan# 2334
Delta R.T. 0.00 min
Lab File: VU035860.D
Acq: 26 Nov 2019 16:04

Tgt Ion:	129	Resp:	117561
Ion	Ratio	Lower	Upper
129	100		
127	76.6	53.1	98.5



Abundance Ion 128.95 (128.65 to 129.65): VU035860.D (-2334) (-)
Ion 126.90 (126.60 to 127.60): VU035860.D (-2334) (-)

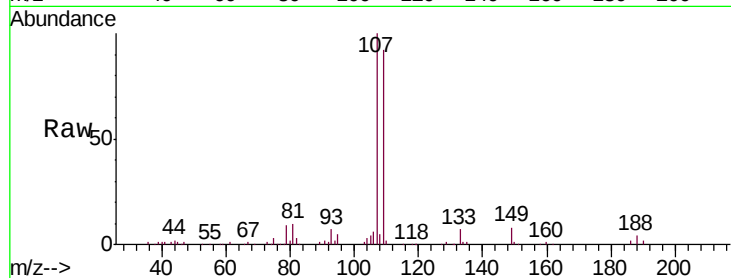




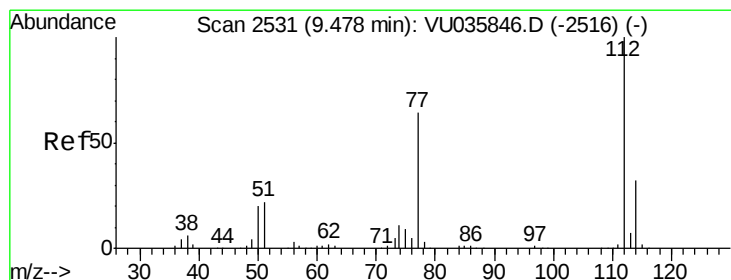
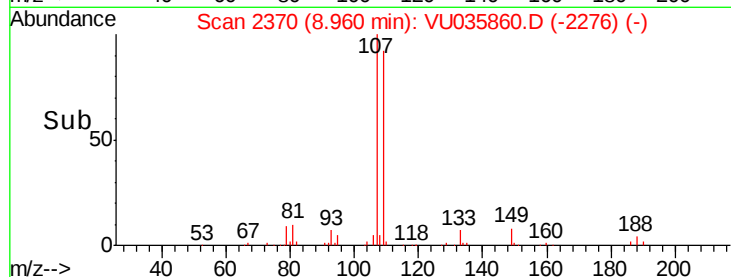
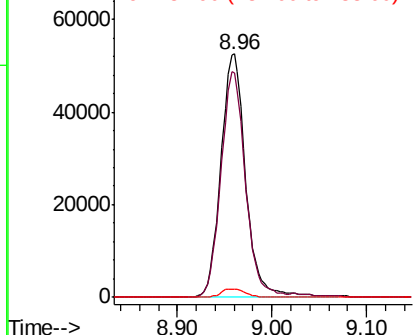
#50
1,2-Dibromoethane
Concen: 5.093 ug/L
RT: 8.96 min Scan# 2370
Delta R.T. 0.00 min
Lab File: VU035860.D
Acq: 26 Nov 2019 16:04

Instrument :
MSVOA_U
ClientSampleId :
VSTD00511

Tgt Ion:107 Resp: 95903
Ion Ratio Lower Upper
107 100
109 92.1 62.6 116.3
188 3.5 2.8 4.2

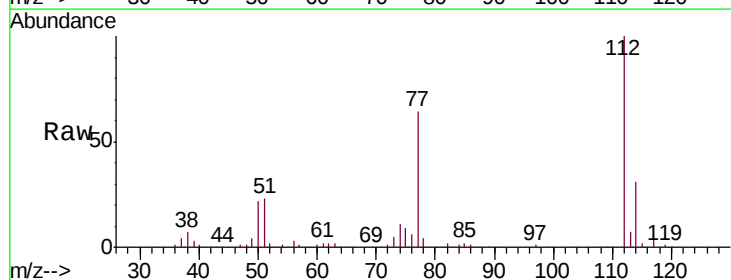


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

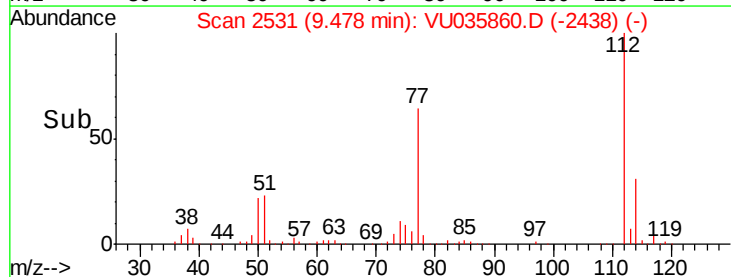
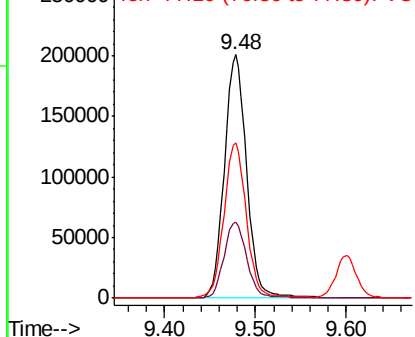


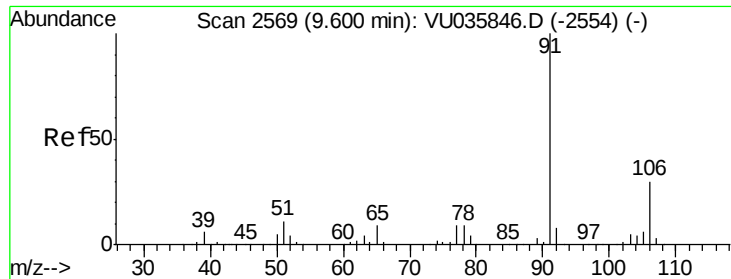
#51
Chlorobenzene
Concen: 4.764 ug/L
RT: 9.48 min Scan# 2531
Delta R.T. 0.00 min
Lab File: VU035860.D
Acq: 26 Nov 2019 16:04

Tgt Ion:112 Resp: 341789
Ion Ratio Lower Upper
112 100
114 31.4 22.2 41.2
77 64.0 50.1 75.1



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: 4.746 ug/L

RT: 9.60 min Scan# 2569

Delta R.T. 0.00 min

Lab File: VU035860.D

Acq: 26 Nov 2019 16:04

Instrument :

MSVOA_U

ClientSampleId :

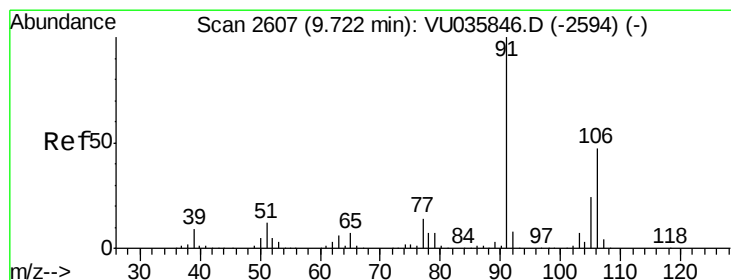
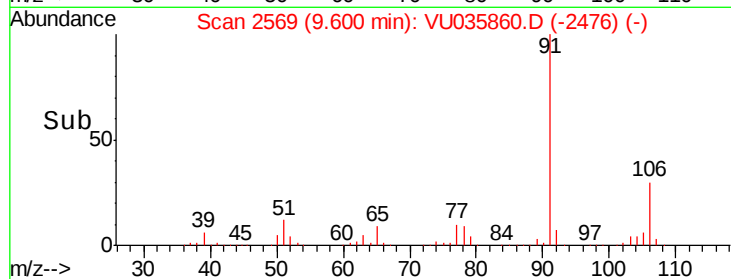
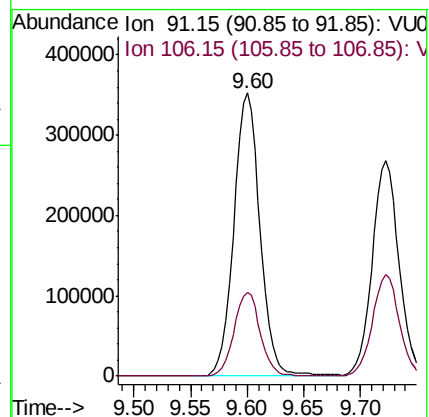
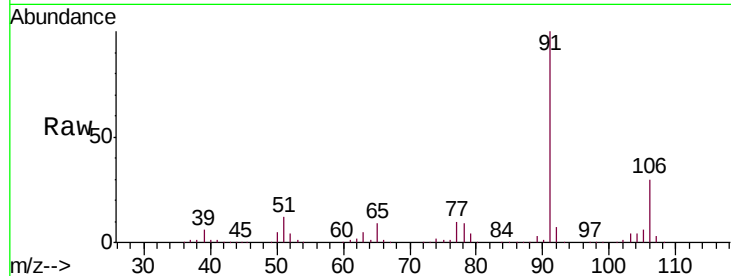
VSTD00511

Tgt Ion: 91 Resp: 568456

Ion Ratio Lower Upper

91 100

106 29.7 21.2 39.4



#53

m,p-Xylene

Concen: 4.922 ug/L

RT: 9.72 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VU035860.D

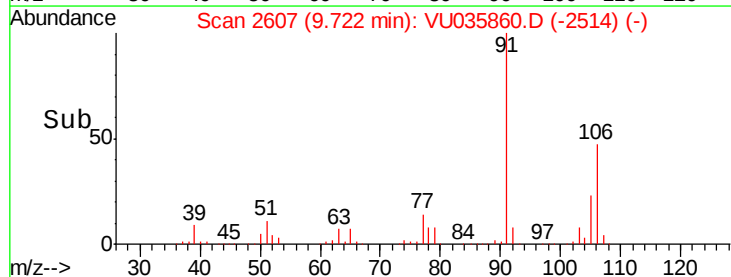
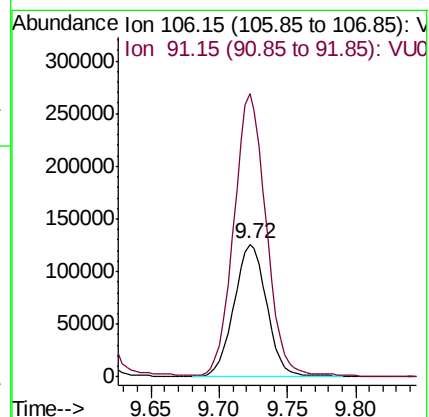
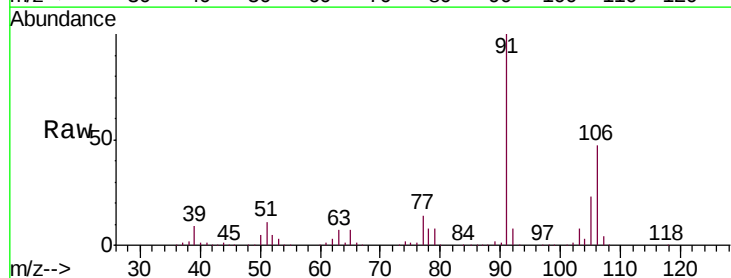
Acq: 26 Nov 2019 16:04

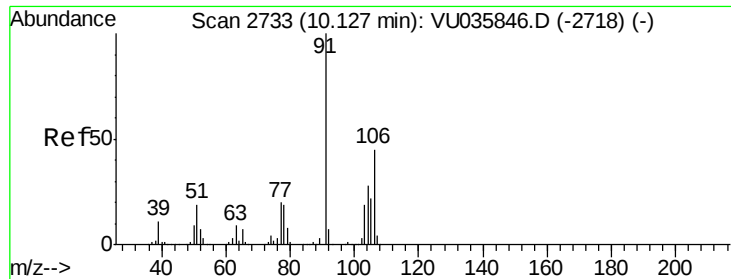
Tgt Ion: 106 Resp: 207830

Ion Ratio Lower Upper

106 100

91 213.7 149.9 278.5

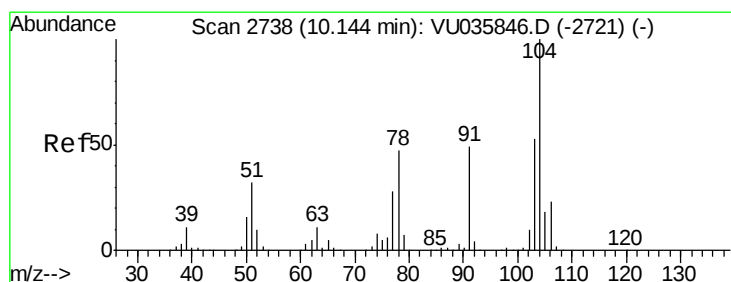
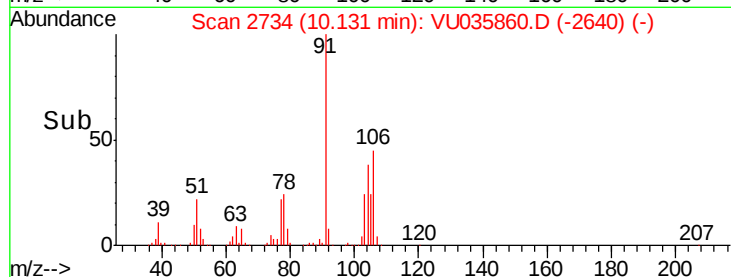
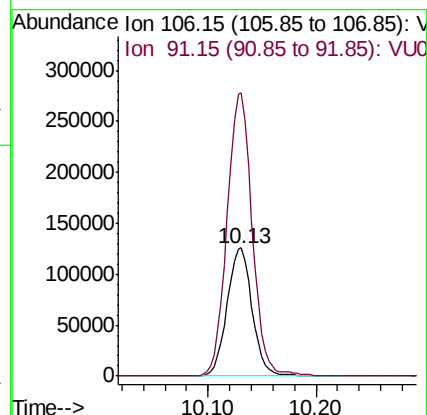
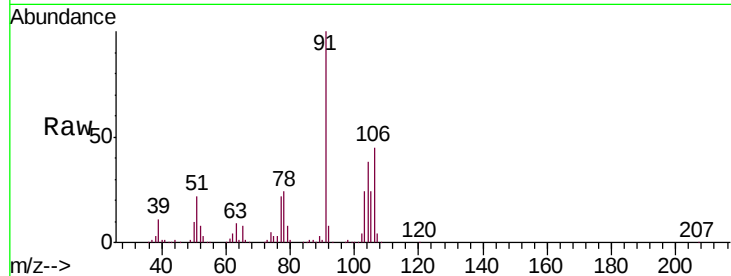




#54
o-Xylene
Concen: 4.982 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU035860.D
Acq: 26 Nov 2019 16:04

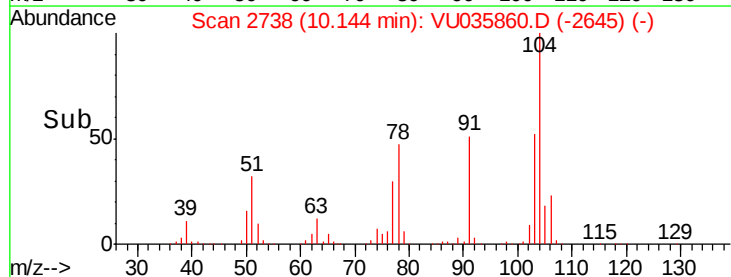
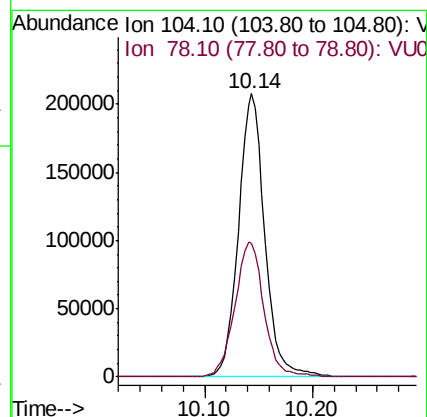
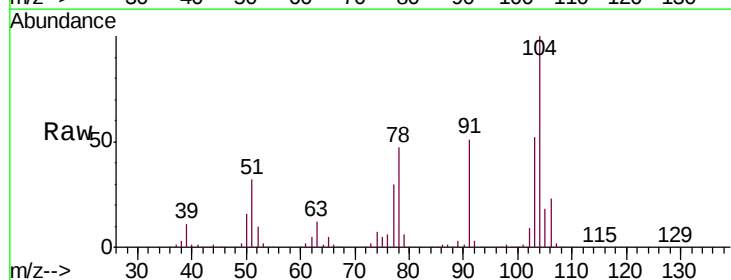
Instrument :
MSVOA_U
ClientSampleId :
VSTD00511

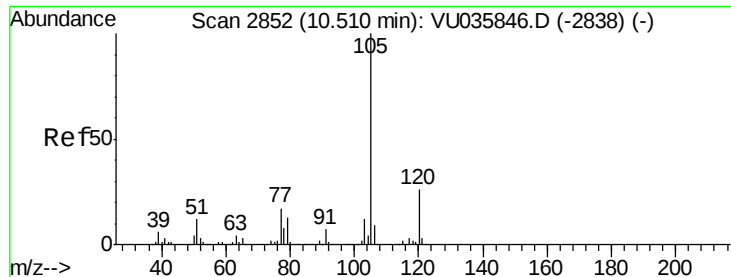
Tgt Ion:106 Resp: 204300
Ion Ratio Lower Upper
106 100
91 220.8 153.6 285.2



#55
Styrene
Concen: 5.184 ug/L
RT: 10.14 min Scan# 2738
Delta R.T. 0.00 min
Lab File: VU035860.D
Acq: 26 Nov 2019 16:04

Tgt Ion:104 Resp: 352581
Ion Ratio Lower Upper
104 100
78 47.3 33.9 62.9





#56

Isopropylbenzene

Concen: 4.928 ug/L

RT: 10.51 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VU035860.D

Acq: 26 Nov 2019 16:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD00511

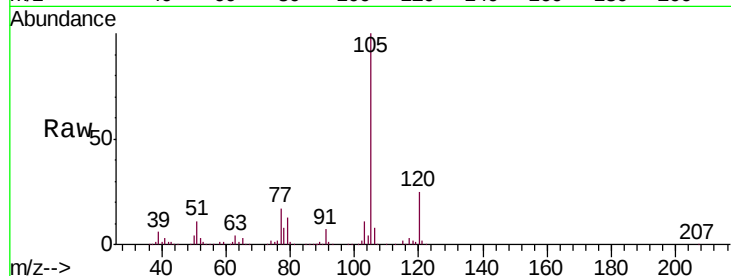
Tgt Ion: 105 Resp: 533882

Ion Ratio Lower Upper

105 100

120 25.7 20.2 30.2

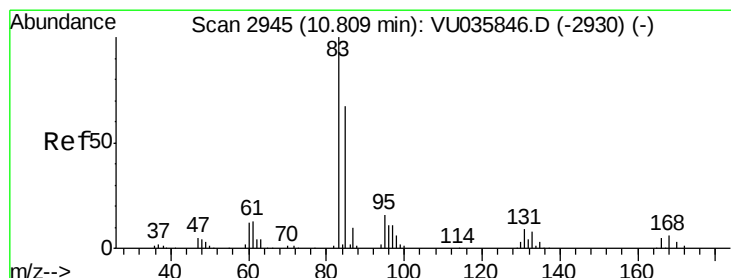
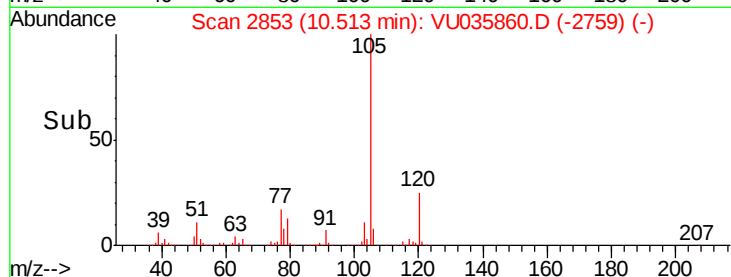
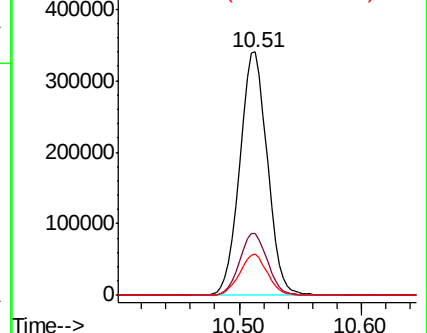
77 17.0 13.7 20.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.001 ug/L

RT: 10.81 min Scan# 2945

Delta R.T. 0.00 min

Lab File: VU035860.D

Acq: 26 Nov 2019 16:04

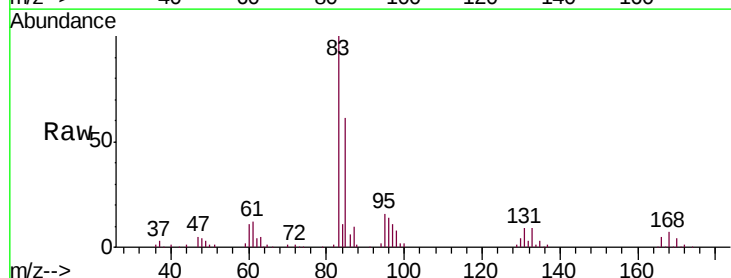
Tgt Ion: 83 Resp: 142412

Ion Ratio Lower Upper

83 100

85 61.5 44.6 82.8

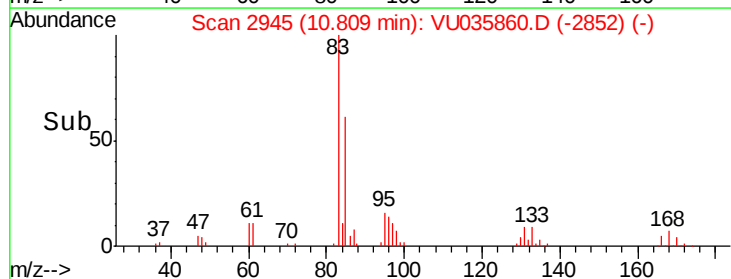
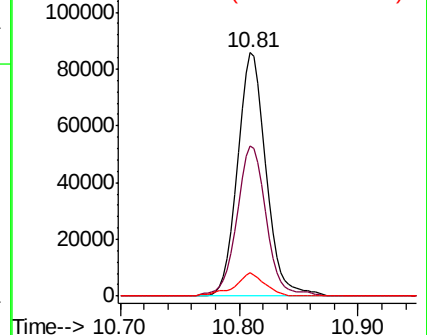
131 9.4 6.9 10.3

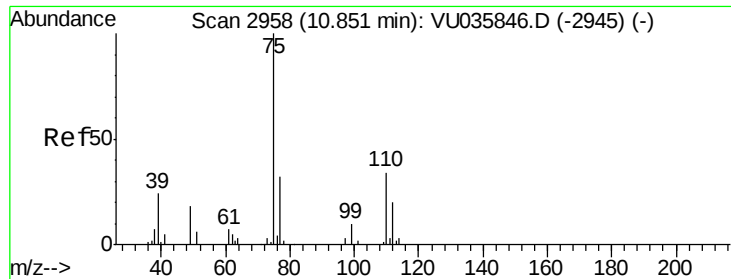


Abundance Ion 82.95 (82.65 to 83.65): VU

Ion 85.00 (84.70 to 85.70): VU

Ion 130.95 (130.65 to 131.65): V

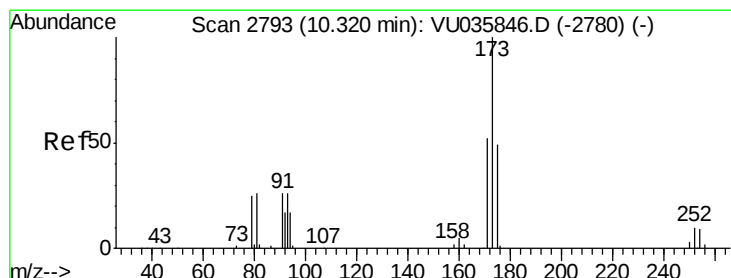
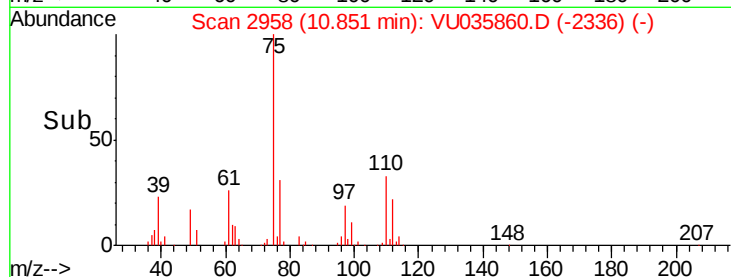
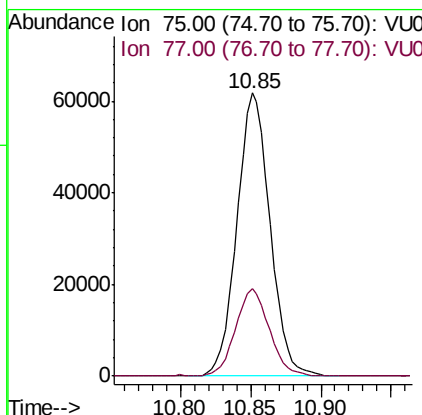
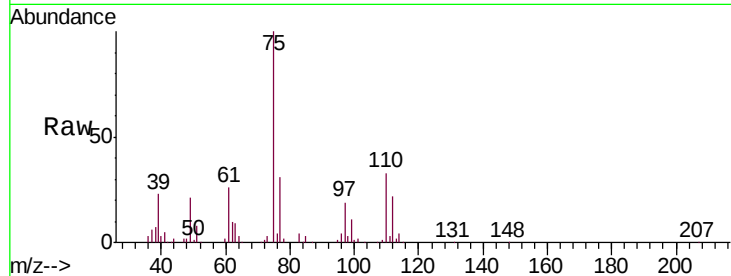




#59
 1,2,3-Trichloropropane
 Concen: 4.947 ug/L
 RT: 10.85 min Scan# 2958
 Delta R.T. 0.00 min
 Lab File: VU035860.D
 Acq: 26 Nov 2019 16:04

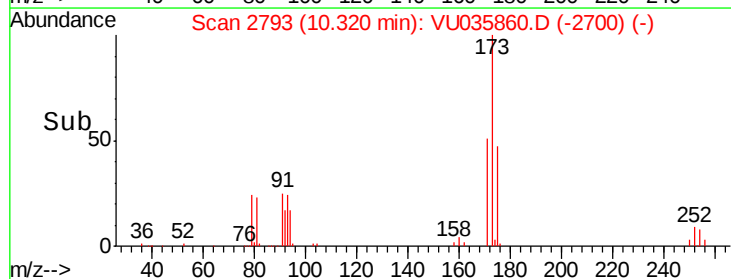
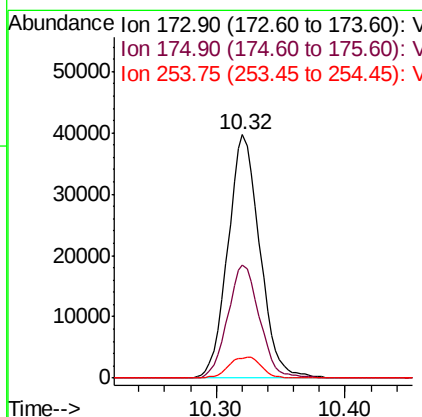
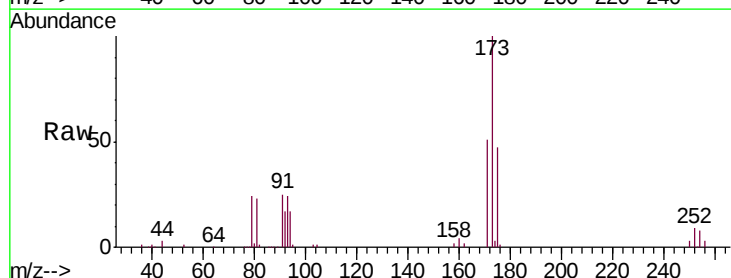
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00511

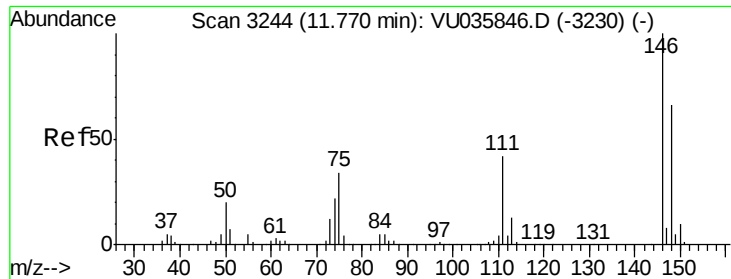
Tgt Ion: 75 Resp: 101571
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.4 38.2



#61
 Bromoform
 Concen: 4.479 ug/L
 RT: 10.32 min Scan# 2793
 Delta R.T. 0.00 min
 Lab File: VU035860.D
 Acq: 26 Nov 2019 16:04

Tgt Ion: 173 Resp: 68190
 Ion Ratio Lower Upper
 173 100
 175 46.3 40.1 60.1
 254 8.9 7.1 10.7

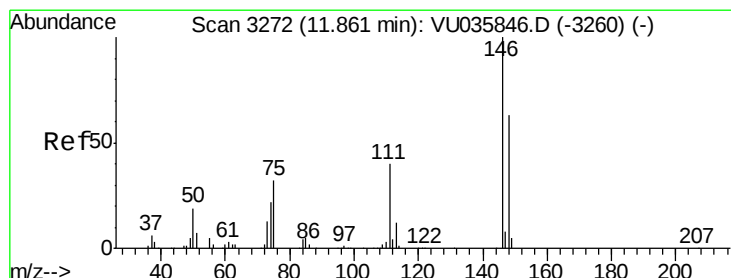
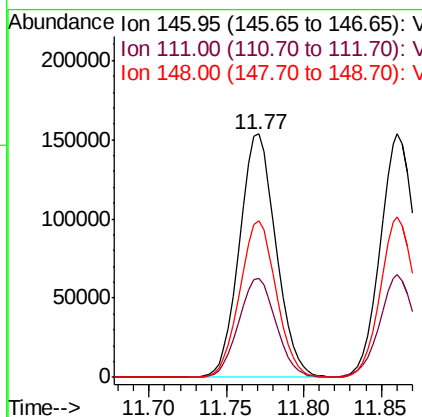
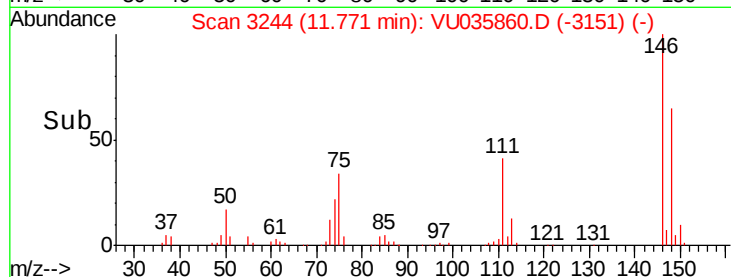
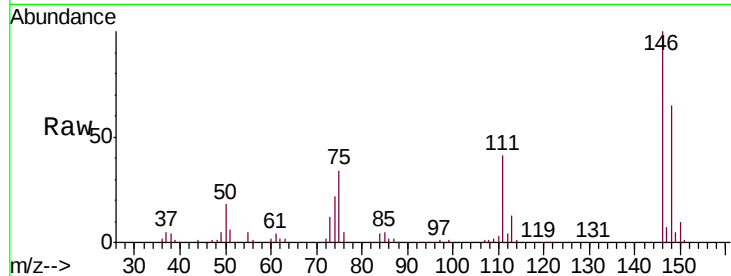




#62
 1,3-Dichlorobenzene
 Concen: 4.653 ug/L
 RT: 11.77 min Scan# 3244
 Delta R.T. 0.00 min
 Lab File: VU035860.D
 Acq: 26 Nov 2019 16:04

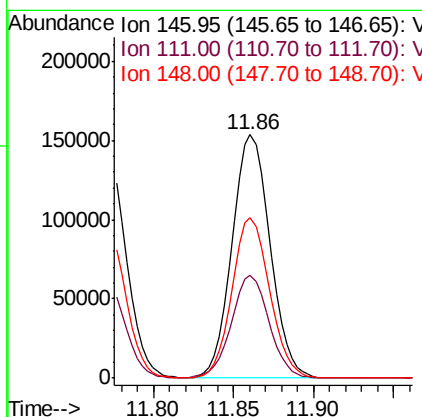
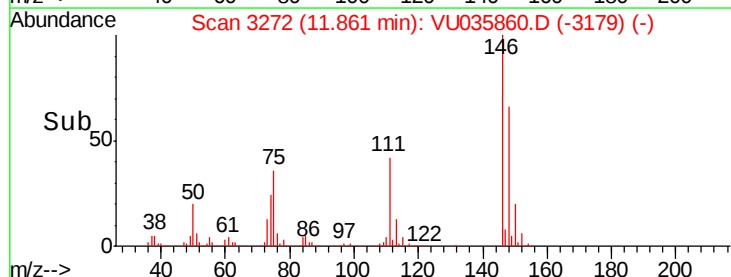
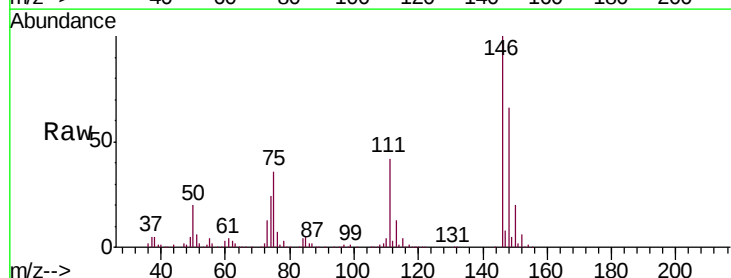
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00511

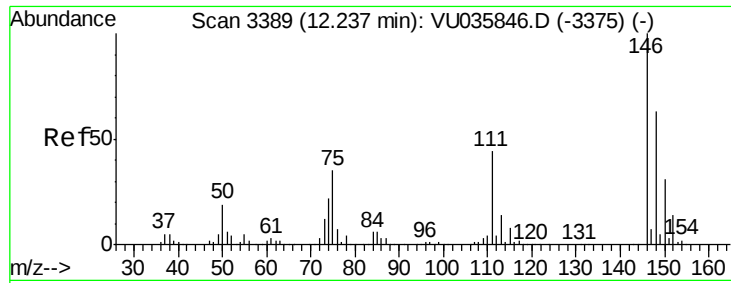
Tgt Ion:146 Resp: 253026
 Ion Ratio Lower Upper
 146 100
 111 40.7 29.5 54.7
 148 64.5 44.1 81.9



#63
 1,4-Dichlorobenzene
 Concen: 4.639 ug/L
 RT: 11.86 min Scan# 3272
 Delta R.T. 0.00 min
 Lab File: VU035860.D
 Acq: 26 Nov 2019 16:04

Tgt Ion:146 Resp: 248366
 Ion Ratio Lower Upper
 146 100
 111 42.1 27.9 51.7
 148 65.7 44.2 82.2

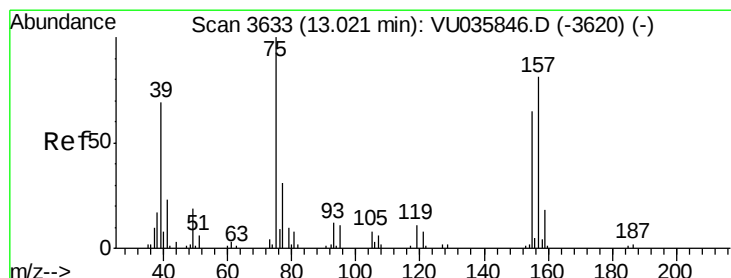
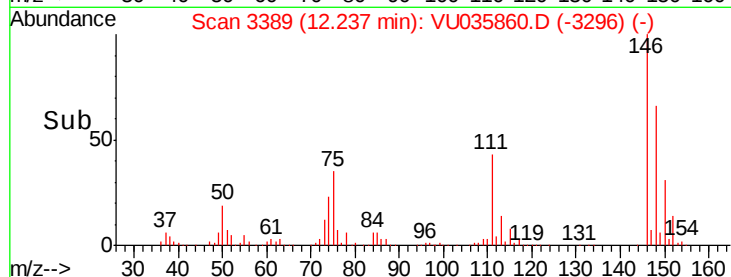
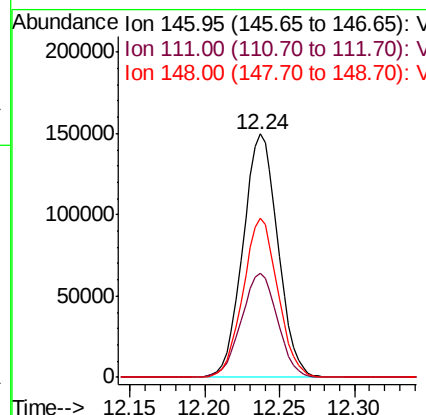
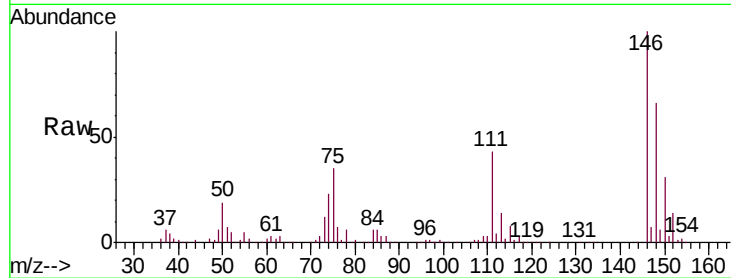




#65
 1,2-Dichlorobenzene
 Concen: 4.686 ug/L
 RT: 12.24 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VU035860.D
 Acq: 26 Nov 2019 16:04

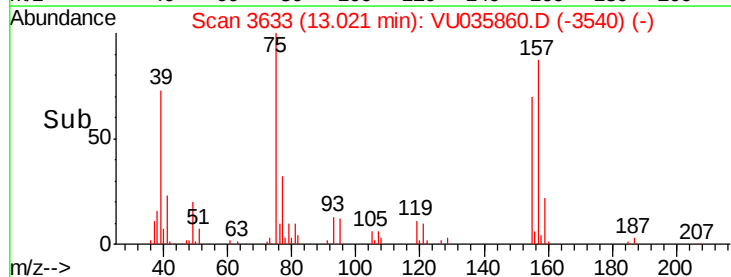
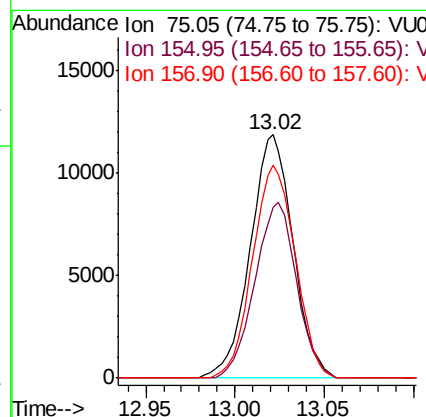
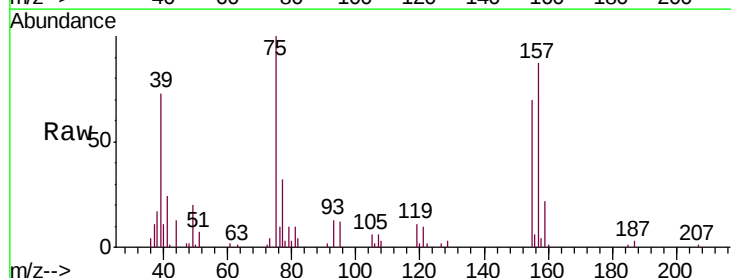
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00511

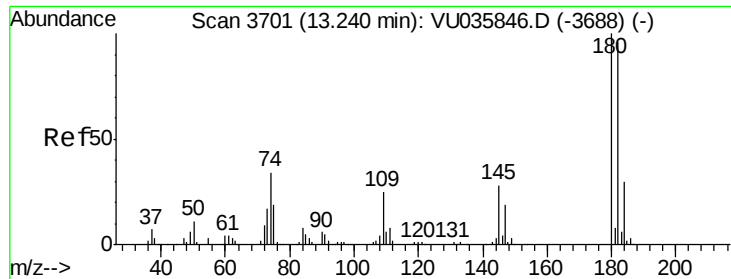
Tgt Ion: 146 Resp: 243115
 Ion Ratio Lower Upper
 146 100
 111 42.9 35.4 53.0
 148 65.6 50.8 76.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.634 ug/L
 RT: 13.02 min Scan# 3633
 Delta R.T. 0.00 min
 Lab File: VU035860.D
 Acq: 26 Nov 2019 16:04

Tgt Ion: 75 Resp: 19896
 Ion Ratio Lower Upper
 75 100
 155 70.3 55.4 83.2
 157 87.2 69.4 104.2

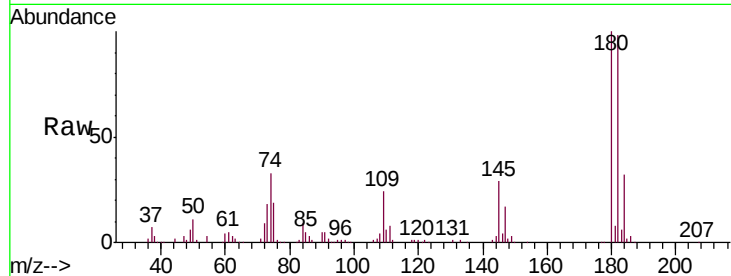




#67
 1,3,5-Trichlorobenzene
 Concen: 5.256 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VU035860.D
 Acq: 26 Nov 2019 16:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00511

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	75.6	113.4
184	30.9	24.1	36.1
145	28.5	23.7	35.5



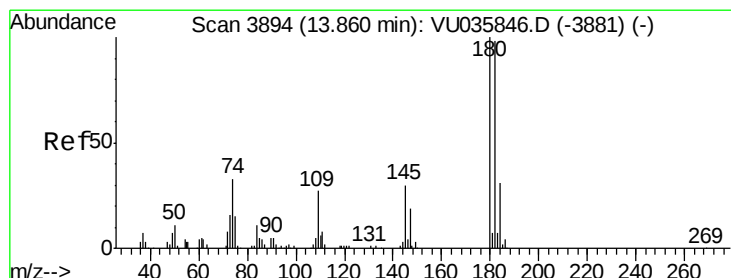
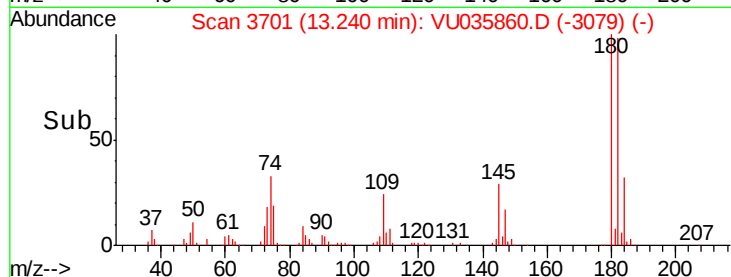
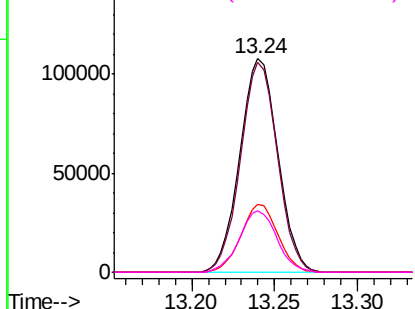
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

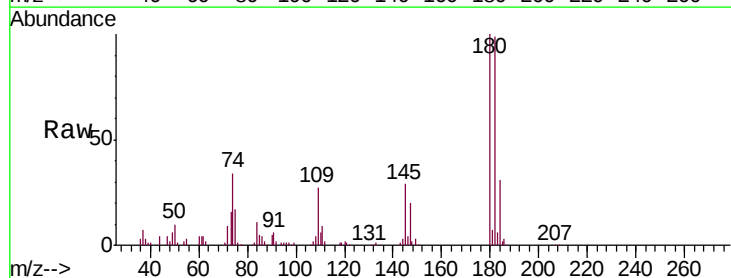
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.825 ug/L
 RT: 13.86 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU035860.D
 Acq: 26 Nov 2019 16:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.4	75.1	112.7
145	28.9	24.0	36.0

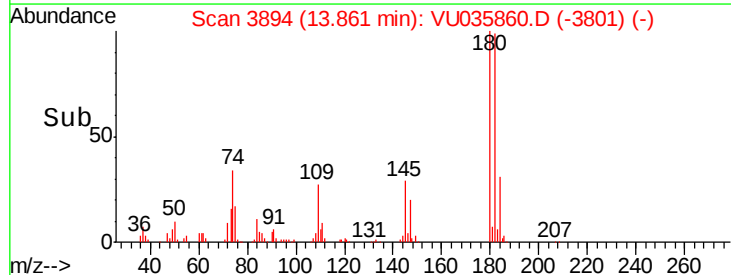
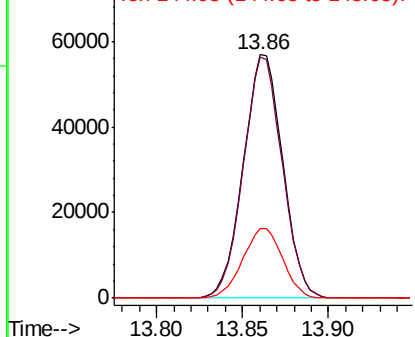


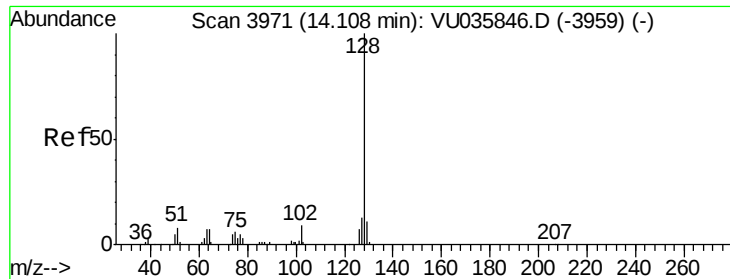
Abundance

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: 3.291 ug/L

RT: 14.11 min Scan# 3971

Delta R.T. 0.00 min

Lab File: VU035860.D

Acq: 26 Nov 2019 16:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD00511

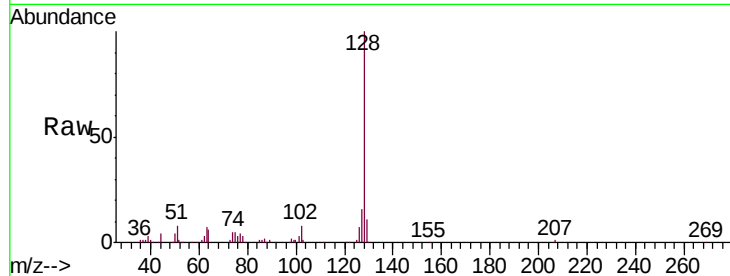
Tgt Ion:128 Resp: 87039

Ion Ratio Lower Upper

128 100

129 11.4 9.0 13.4

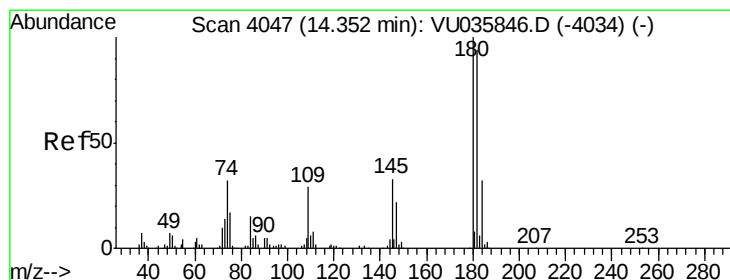
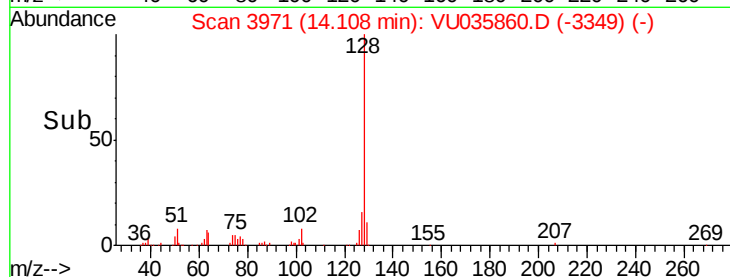
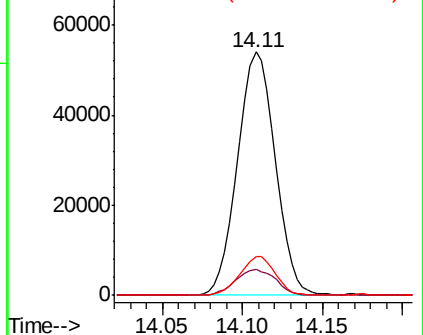
127 14.8 11.8 17.6



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: 4.844 ug/L

RT: 14.35 min Scan# 4047

Delta R.T. 0.00 min

Lab File: VU035860.D

Acq: 26 Nov 2019 16:04

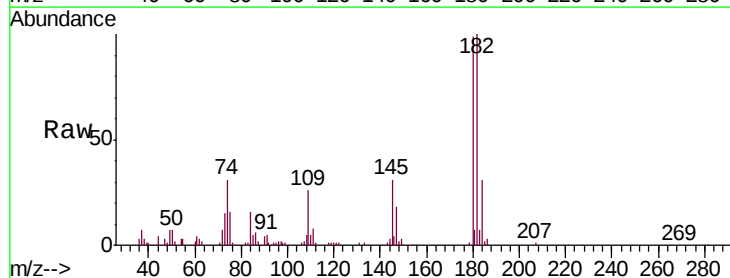
Tgt Ion:180 Resp: 88479

Ion Ratio Lower Upper

180 100

182 97.1 77.4 116.0

145 32.0 24.7 37.1



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

