

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102819\
 Data File : VU035533.D
 Acq On : 28 Oct 2019 13:30
 Operator : JC/SP
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 30 04:21:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102519WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Oct 30 04:18:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	225426	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	237270	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	139928	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	119611	3.99	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.80%
7) Chloroethane-d5	1.93	69	102419	4.20	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.00%
11) 1,1-Dichloroethene-d2	2.59	63	204567	4.16	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.20%
20) 2-Butanone-d5	4.71	46	303476	51.14	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.28%
24) Chloroform-d	5.11	84	202435	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.00%
26) 1,2-Dichloroethane-d4	5.75	65	103772	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.80%
32) Benzene-d6	5.77	84	388249	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.60%
36) 1,2-Dichloropropane-d6	6.73	67	130090	4.78	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.60%
41) Toluene-d8	7.93	98	347451	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.00%
43) trans-1,3-Dichloropropene-	8.21	79	51627	4.88	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.60%
46) 2-Hexanone-d5	8.68	63	231980	56.70	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	113.40%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	108942	4.90	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.00%
64) 1,2-Dichlorobenzene-d4	12.22	152	128121	4.53	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	139980	4.596	ug/L 99
3) Chloromethane	1.53	50	160487	4.510	ug/L 100
5) Vinyl chloride	1.62	62	162965	4.624	ug/L 98
6) Bromomethane	1.87	94	83593	4.558	ug/L 97
8) Chloroethane	1.95	64	94599	4.551	ug/L 97
9) Trichlorofluoromethane	2.16	101	188304	4.611	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	106329	4.622	ug/L 98
12) 1,1-Dichloroethene	2.61	96	102253	4.767	ug/L 89
13) Acetone	2.69	43	212712	47.197	ug/L 98
14) Carbon disulfide	2.82	76	342564	4.513	ug/L 100
15) Methyl Acetate	3.00	43	49292	4.771	ug/L 99
16) Methylene chloride	3.08	84	124095	4.466	ug/L 98
17) Methyl tert-butyl Ether	3.43	73	246880	4.759	ug/L 99
18) trans-1,2-Dichloroethene	3.39	96	110686	4.743	ug/L 100
19) 1,1-Dichloroethane	3.92	63	216333	4.698	ug/L 99
21) 2-Butanone	4.79	43	318115	48.649	ug/L 100
22) cis-1,2-Dichloroethene	4.72	96	119081	4.783	ug/L 99

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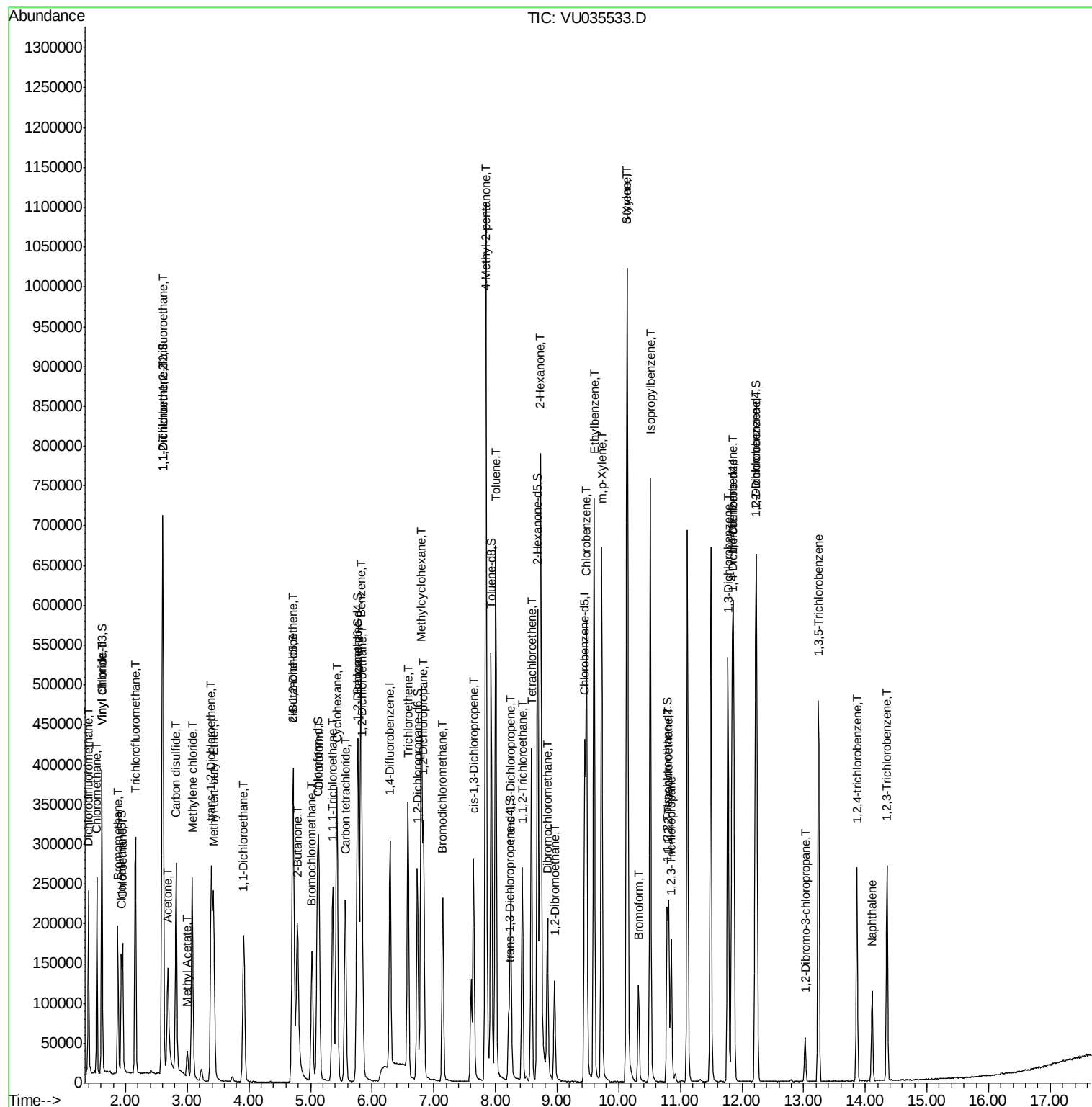
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	52786	4.585	ug/L	97
25) Chloroform	5.14	83	214261	4.387	ug/L	100
27) 1,2-Dichloroethane	5.84	62	133092	4.618	ug/L	99
29) 1,1,1-Trichloroethane	5.36	97	176757	4.958	ug/L	98
30) Cyclohexane	5.43	56	179698	4.933	ug/L	98
31) Carbon tetrachloride	5.56	117	155128	4.876	ug/L	99
33) Benzene	5.82	78	474879	5.025	ug/L	100
34) Trichloroethene	6.58	95	117768	5.073	ug/L	99
35) Methylcyclohexane	6.80	83	182801	5.088	ug/L	98
37) 1,2-Dichloropropane	6.83	63	124438	4.984	ug/L	99
38) Bromodichloromethane	7.14	83	151467	4.890	ug/L	99
39) cis-1,3-Dichloropropene	7.65	75	172851	4.974	ug/L	100
40) 4-Methyl-2-pentanone	7.84	43	750422	50.762	ug/L	99
42) Toluene	8.00	91	489747	5.078	ug/L	100
44) trans-1,3-Dichloropropene	8.25	75	141891	5.162	ug/L	98
45) 1,1,2-Trichloroethane	8.44	97	84076	4.849	ug/L	98
47) Tetrachloroethene	8.58	164	94797	4.973	ug/L	99
48) 2-Hexanone	8.73	43	555216	55.846	ug/L	99
49) Dibromochloromethane	8.84	129	99503	4.904	ug/L	99
50) 1,2-Dibromoethane	8.96	107	79273	4.919	ug/L	99
51) Chlorobenzene	9.48	112	301915	4.967	ug/L	97
52) Ethylbenzene	9.60	91	507944	5.041	ug/L	100
53) m,p-Xylene	9.72	106	196873	5.351	ug/L	100
54) o-Xylene	10.13	106	185477	5.174	ug/L	99
55) Styrene	10.14	104	314610	5.374	ug/L	100
56) Isopropylbenzene	10.51	105	489590	5.230	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.81	83	109701	4.838	ug/L	100
59) 1,2,3-Trichloropropane	10.85	75	77737	4.858	ug/L	97
61) Bromoform	10.32	173	57671	4.243	ug/L	99
62) 1,3-Dichlorobenzene	11.77	146	232852	4.873	ug/L	100
63) 1,4-Dichlorobenzene	11.86	146	226831	4.770	ug/L	98
65) 1,2-Dichlorobenzene	12.24	146	213933	4.660	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	14212	4.612	ug/L	94
67) 1,3,5-Trichlorobenzene	13.24	180	152278	5.159	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	85335	5.199	ug/L	97
69) Naphthalene	14.11	128	92757	4.139	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	83557	5.110	ug/L	99

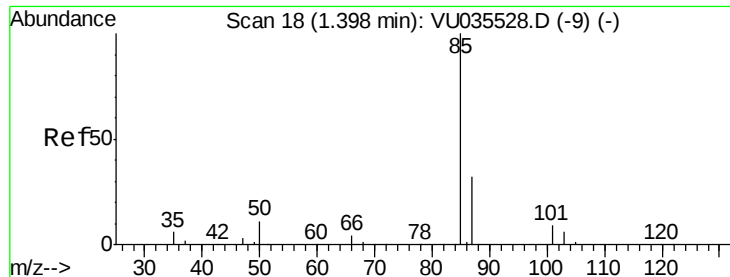
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.596 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU035533.D

Acq: 28 Oct 2019 13:30

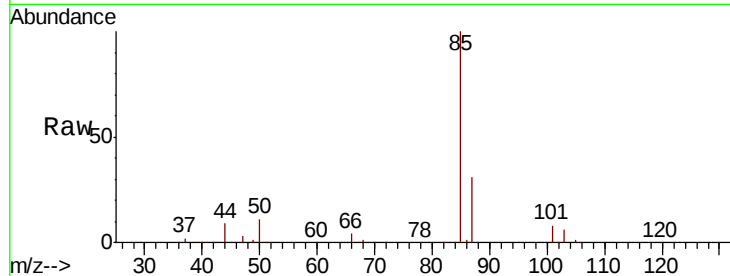
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 85 Resp: 139980

Ion Ratio Lower Upper

85 100

87 31.1 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VU035528.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU035528.D (-9) (-)

1.39

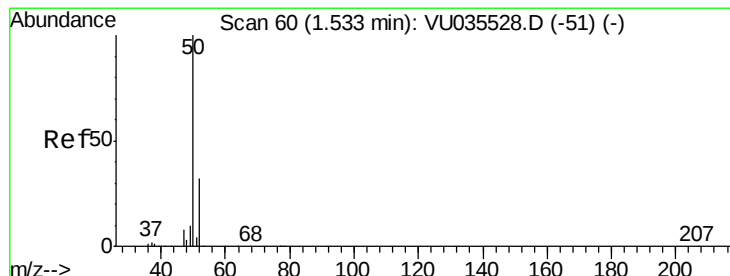
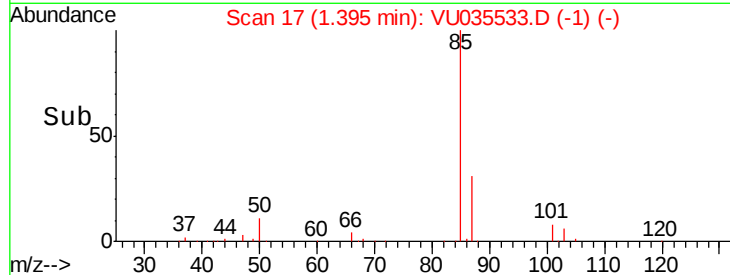
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 4.510 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU035533.D

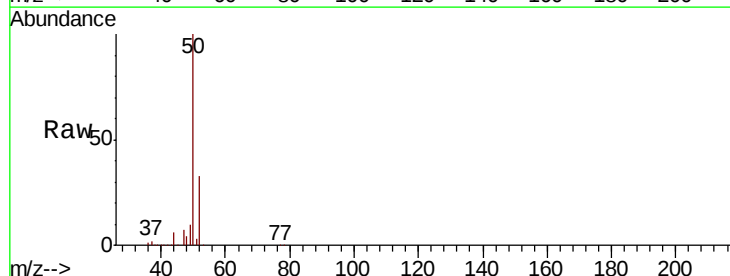
Acq: 28 Oct 2019 13:30

Tgt Ion: 50 Resp: 160487

Ion Ratio Lower Upper

50 100

52 32.8 22.7 42.3



Abundance Ion 50.05 (49.75 to 50.75): VU035528.D (-51) (-)

Ion 52.05 (51.75 to 52.75): VU035528.D (-51) (-)

1.53

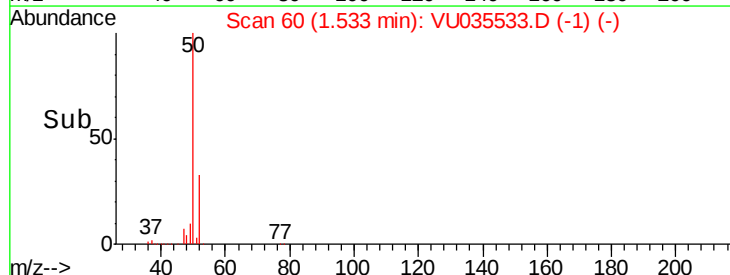
150000

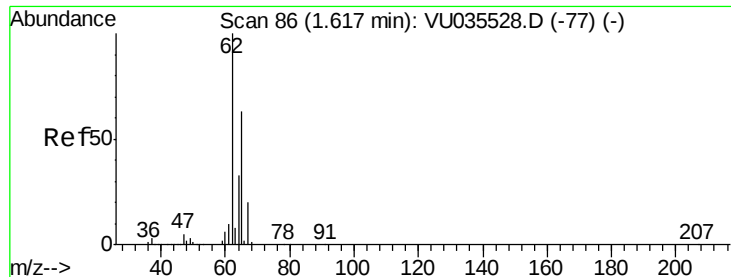
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 4.624 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU035533.D

Acq: 28 Oct 2019 13:30

Instrument :

MSVOA_U

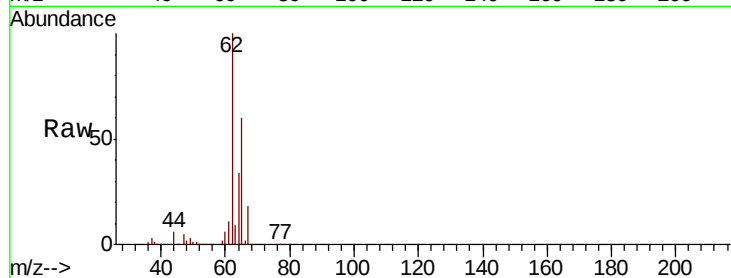
ClientSampleId :

Tot Ion: 62 Resp: 162965

Ion Ratio Lower Upper

62 100

64 33.5 22.5 41.9



Abundance Ion 62.00 (61.70 to 62.70): VU035528.D (-77) (-)

Ion 64.10 (63.80 to 64.80): VU035528.D (-77) (-)

1.62

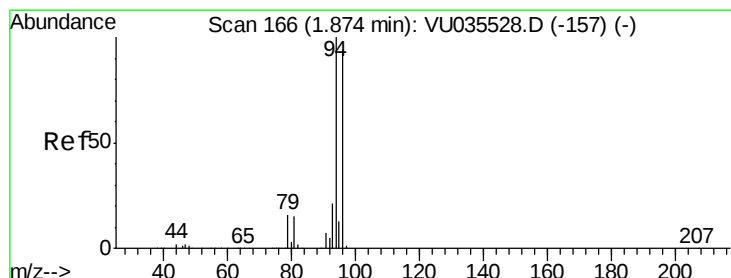
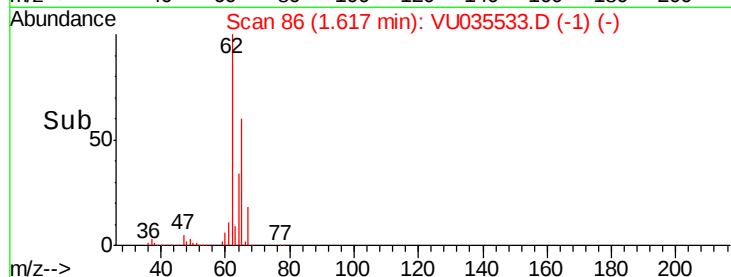
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 4.558 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU035533.D

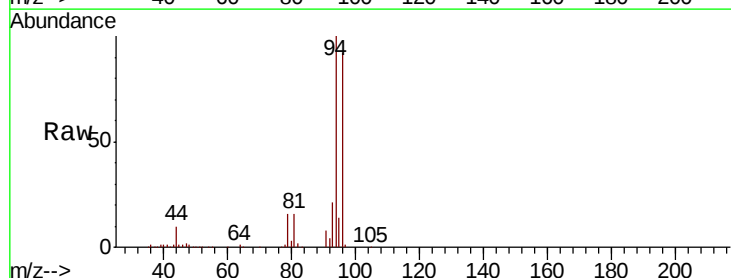
Acq: 28 Oct 2019 13:30

Tgt Ion: 94 Resp: 83593

Ion Ratio Lower Upper

94 100

96 92.2 66.3 123.1



Abundance Ion 94.00 (93.70 to 94.70): VU035528.D (-157) (-)

Ion 96.00 (95.70 to 96.70): VU035528.D (-157) (-)

1.87

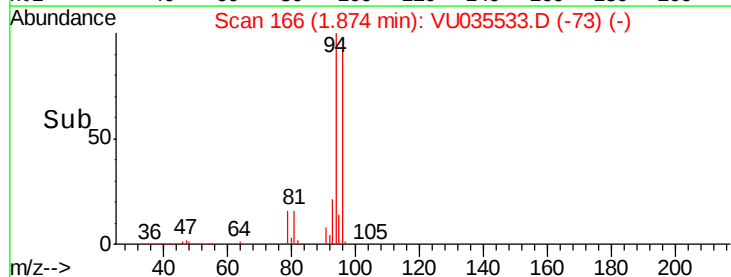
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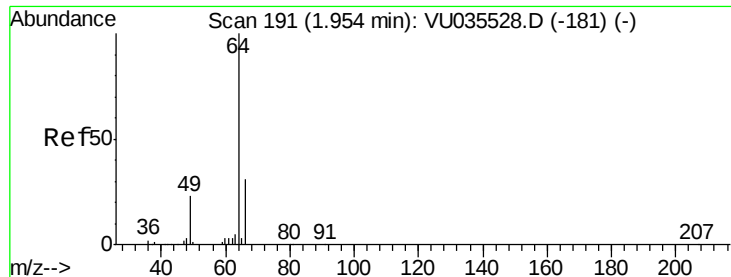
40000

20000

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Time-->

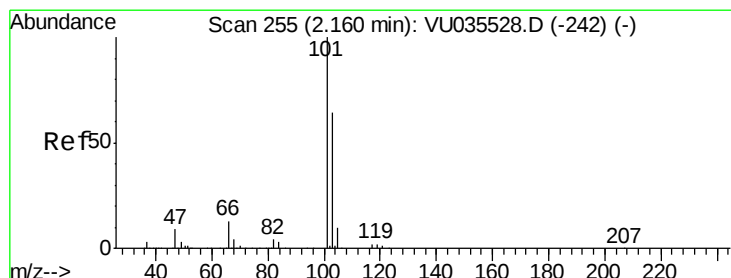
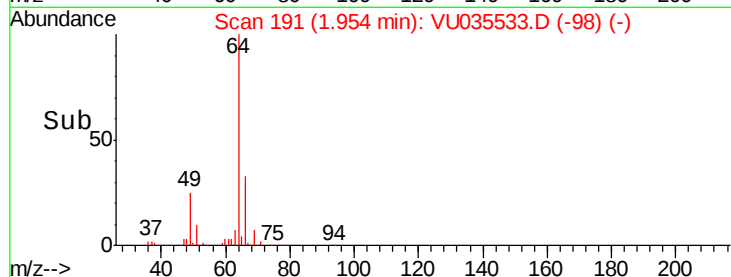
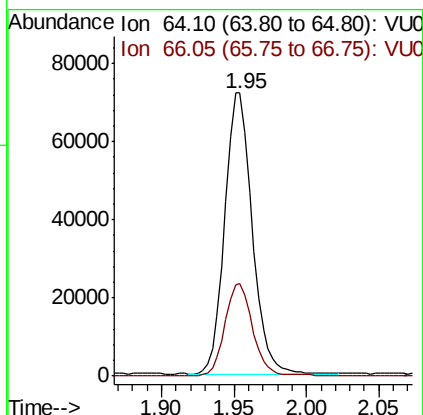
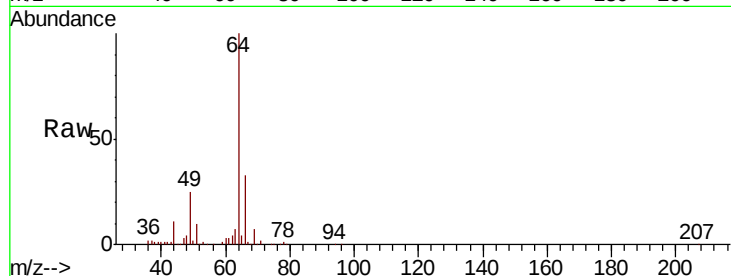




#8
Chloroethane
Concen: 4.551 ug/L
RT: 1.95 min Scan# 191
Delta R.T. 0.00 min
Lab File: VU035533.D
Acq: 28 Oct 2019 13:30

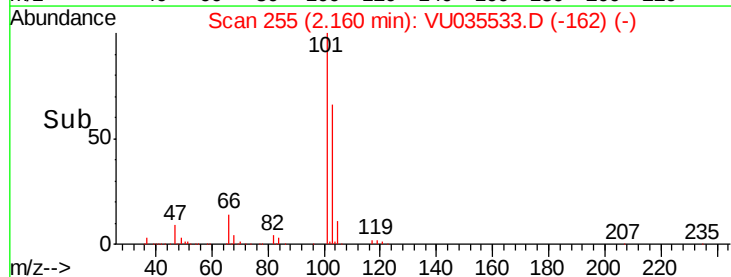
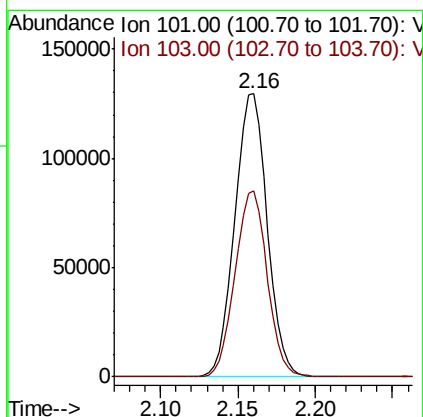
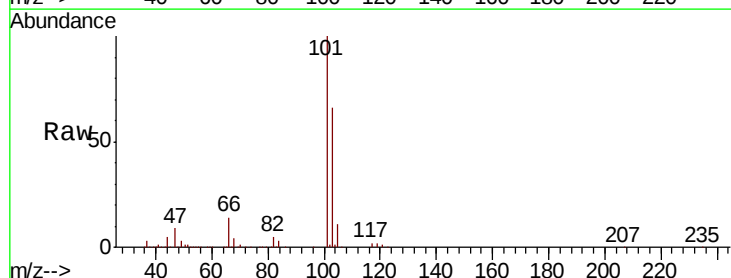
Instrument :
MSVOA_U
ClientSampleId :

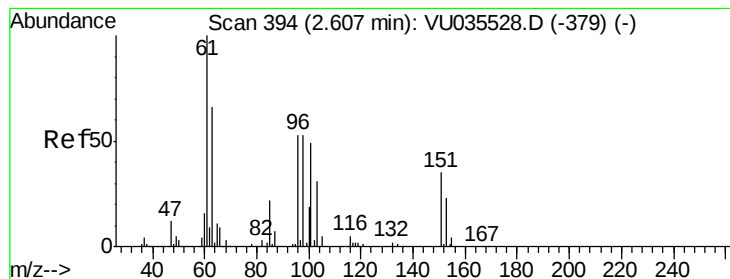
Tot Ion: 64 Resp: 94599
Ion Ratio Lower Upper
64 100
66 32.7 21.8 40.6



#9
Trichlorofluoromethane
Concen: 4.611 ug/L
RT: 2.16 min Scan# 255
Delta R.T. 0.00 min
Lab File: VU035533.D
Acq: 28 Oct 2019 13:30

Tgt Ion: 101 Resp: 188304
Ion Ratio Lower Upper
101 100
103 65.3 51.2 76.8





#10

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

Concen: 4.622 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU035533.D

Acq: 28 Oct 2019 13:30

Instrument :

MSVOA_U

ClientSampleId :

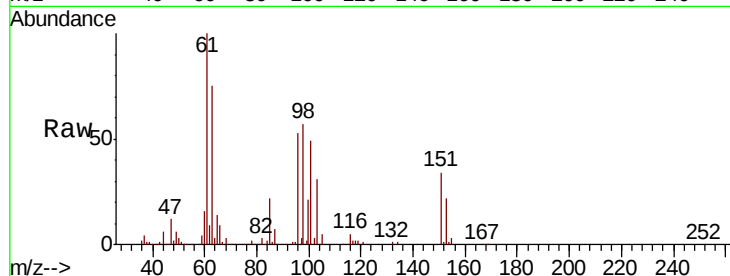
Tot Ion:101 Resp: 106329

Ion Ratio Lower Upper

101 100

85 44.7 34.7 52.1

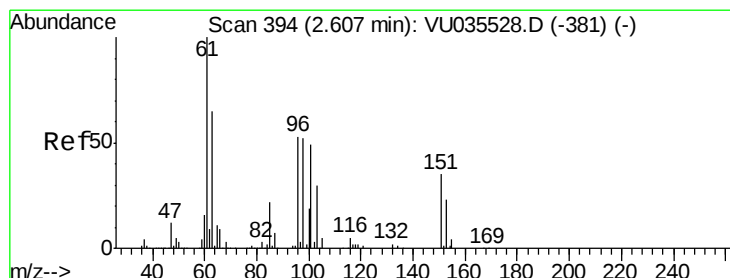
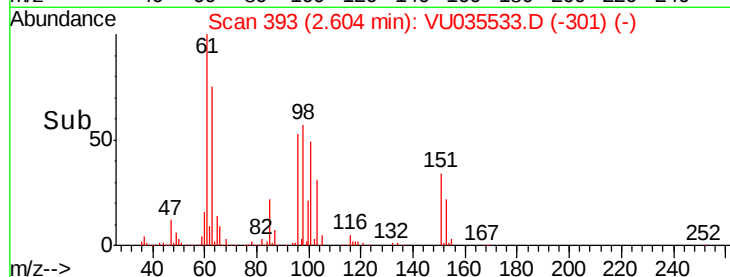
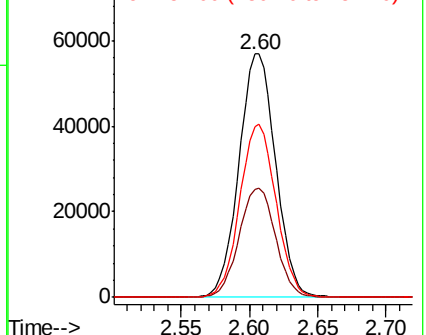
151 70.2 54.8 82.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.767 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU035533.D

Acq: 28 Oct 2019 13:30

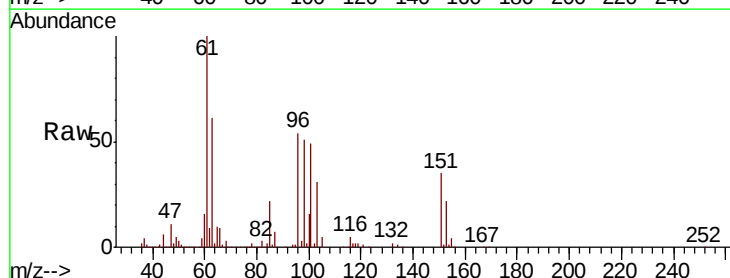
Tgt Ion: 96 Resp: 102253

Ion Ratio Lower Upper

96 100

61 183.9 131.9 244.9

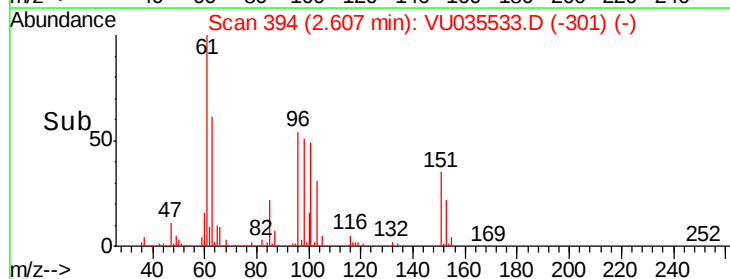
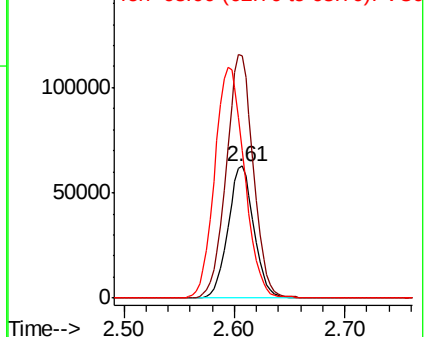
63 111.8 97.0 180.2

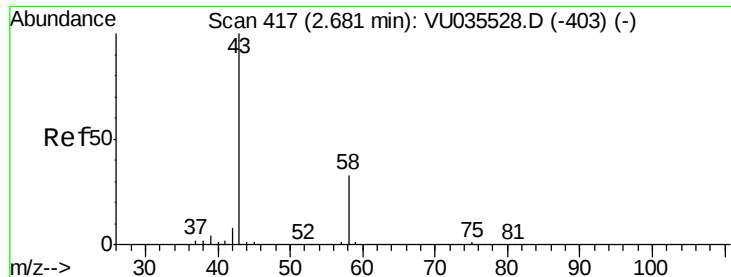


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 47.197 ug/L

RT: 2.69 min Scan# 419

Delta R.T. 0.01 min

Lab File: VU035533.D

Acq: 28 Oct 2019 13:30

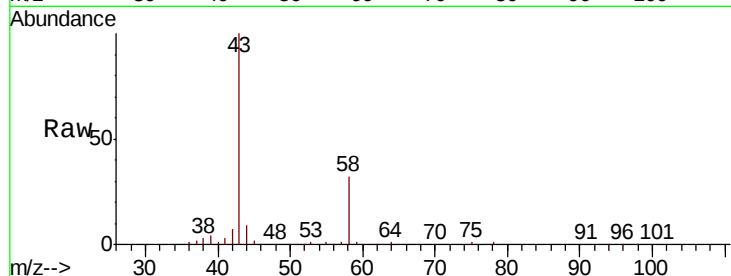
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 212712

Ion Ratio Lower Upper

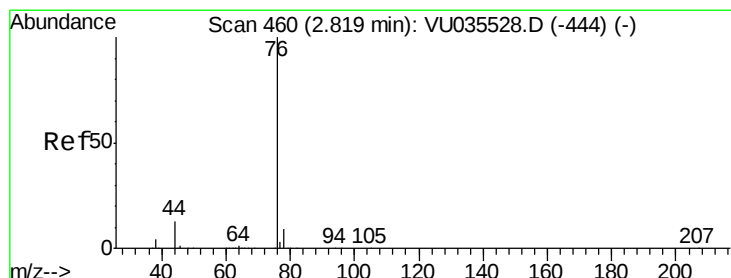
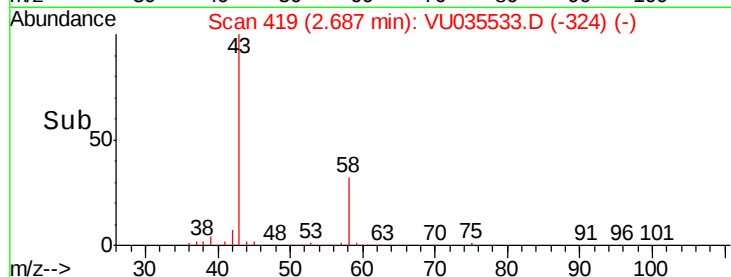
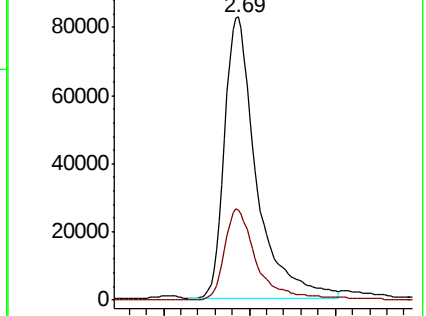
43 100

58 32.5 0.0 63.2



Abundance Ion 43.05 (42.75 to 43.75): VU035528.D (-403) (-)

Ion 58.05 (57.75 to 58.75): VU035528.D (-403) (-)



#14

Carbon disulfide

Concen: 4.513 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU035533.D

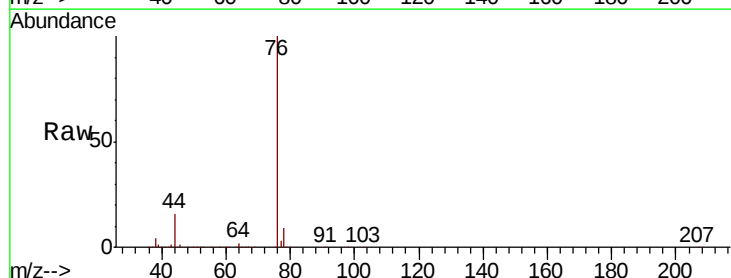
Acq: 28 Oct 2019 13:30

Tgt Ion: 76 Resp: 342564

Ion Ratio Lower Upper

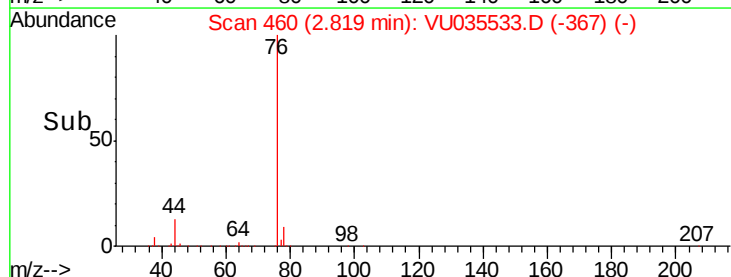
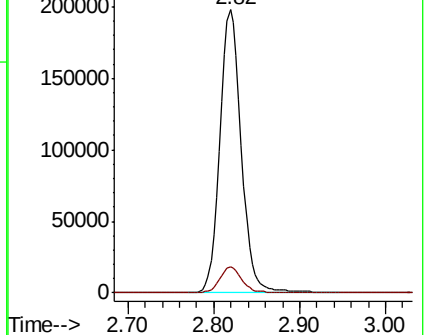
76 100

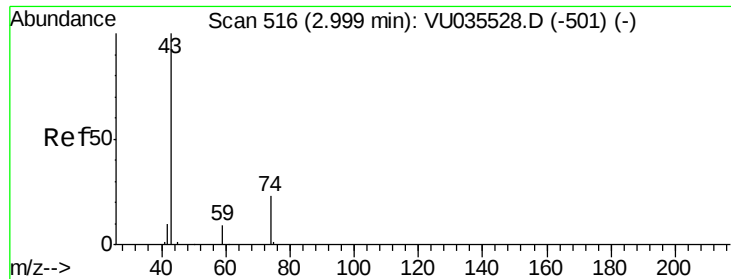
78 9.2 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VU035528.D (-444) (-)

Ion 78.00 (77.70 to 78.70): VU035528.D (-444) (-)

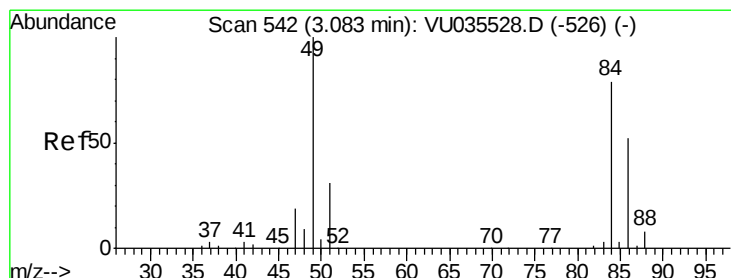
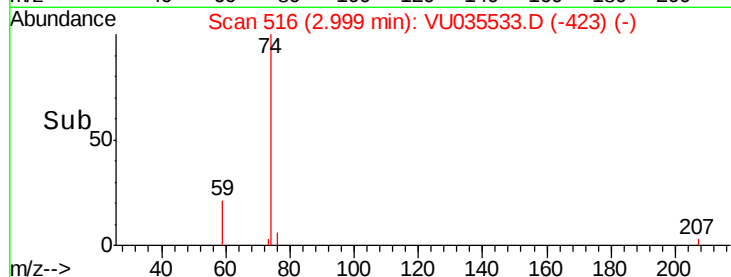
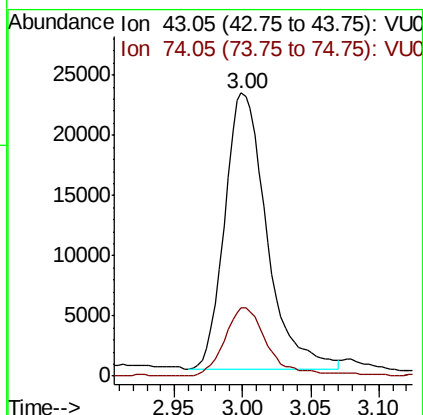
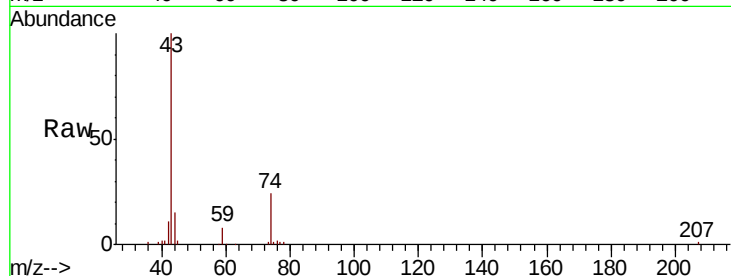




#15
Methvl Acetate
Concen: 4.771 ug/L
RT: 3.00 min Scan# 516
Delta R.T. 0.00 min
Lab File: VU035533.D
Acq: 28 Oct 2019 13:30

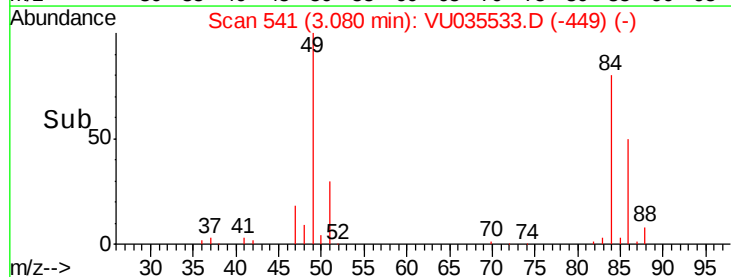
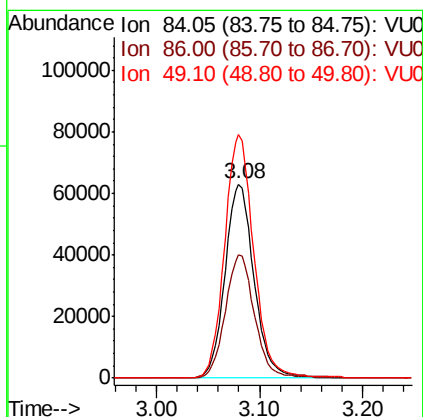
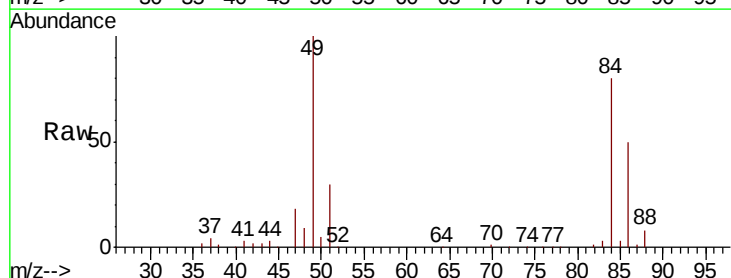
Instrument :
MSVOA_U
ClientSampled :

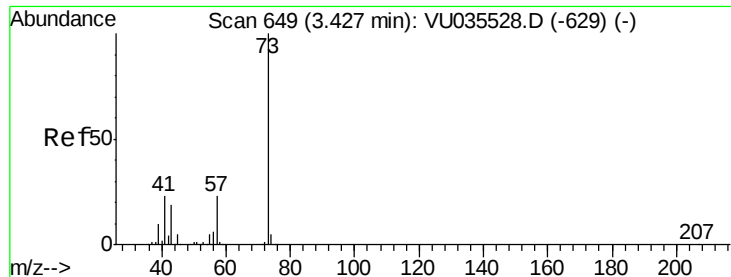
Tot Ion: 43 Resp: 49292
Ion Ratio Lower Upper
43 100
74 24.7 19.4 29.2



#16
Methylene chloride
Concen: 4.466 ug/L
RT: 3.08 min Scan# 541
Delta R.T. -0.00 min
Lab File: VU035533.D
Acq: 28 Oct 2019 13:30

Tgt Ion: 84 Resp: 124095
Ion Ratio Lower Upper
84 100
86 63.3 43.7 81.1
49 125.6 89.5 166.3

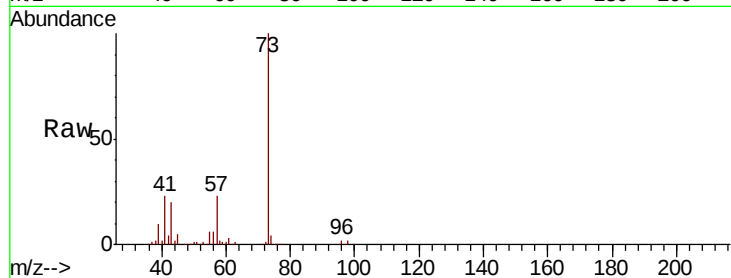




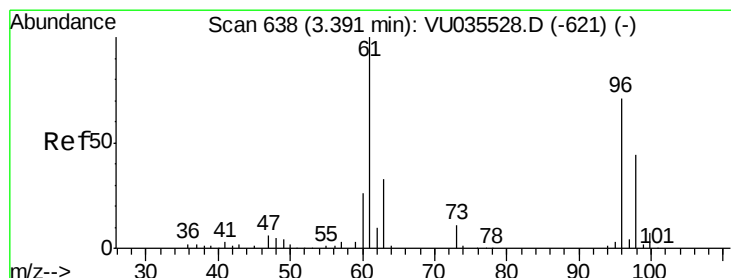
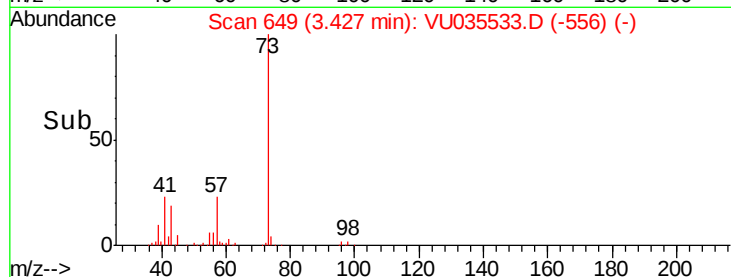
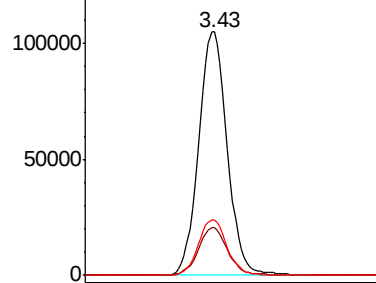
#17
Methvl tert-butvl Ether
Concen: 4.759 ug/L
RT: 3.43 min Scan# 649
Delta R.T. 0.00 min
Lab File: VU035533.D
Acq: 28 Oct 2019 13:30

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 73 Resp: 246880
Ion Ratio Lower Upper
73 100
43 19.6 15.8 23.8
57 23.1 19.0 28.6

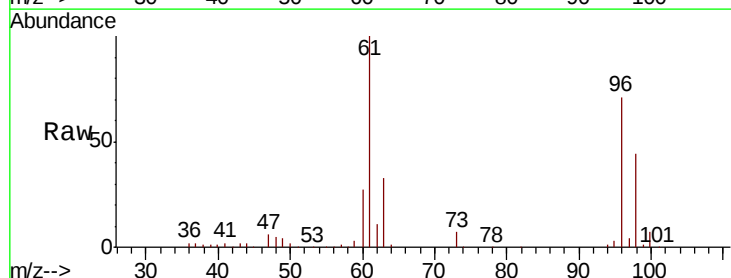


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

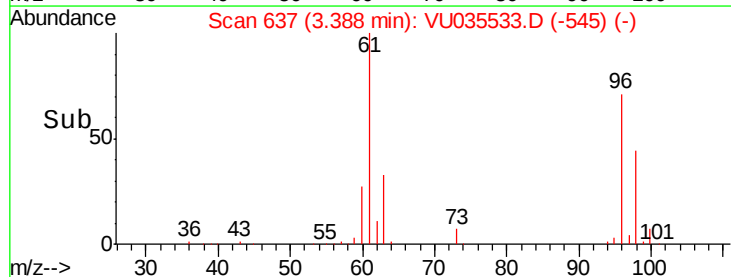
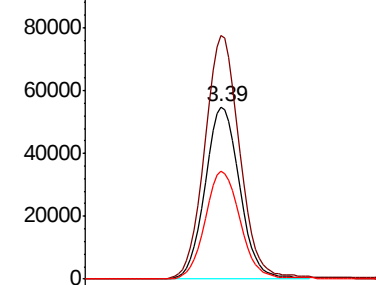


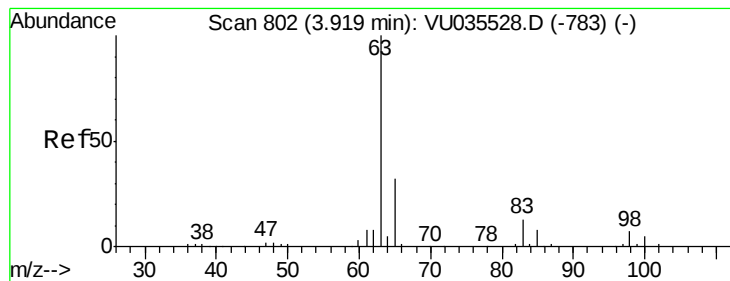
#18
trans-1,2-Dichloroethene
Concen: 4.743 ug/L
RT: 3.39 min Scan# 637
Delta R.T. -0.00 min
Lab File: VU035533.D
Acq: 28 Oct 2019 13:30

Tgt Ion: 96 Resp: 110686
Ion Ratio Lower Upper
96 100
61 141.6 99.0 184.0
98 62.7 43.8 81.4



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0





#19

1,1-Dichloroethane

Concen: 4.698 ug/L

RT: 3.92 min Scan# 801

Delta R.T. -0.00 min

Lab File: VU035533.D

Acq: 28 Oct 2019 13:30

Instrument :
MSVOA_U
ClientSampleId :

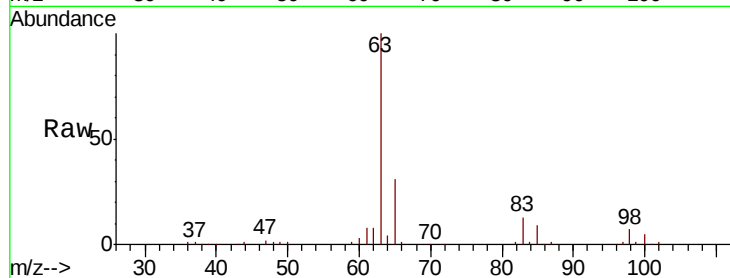
Tot Ion: 63 Resp: 216333

Ion Ratio Lower Upper

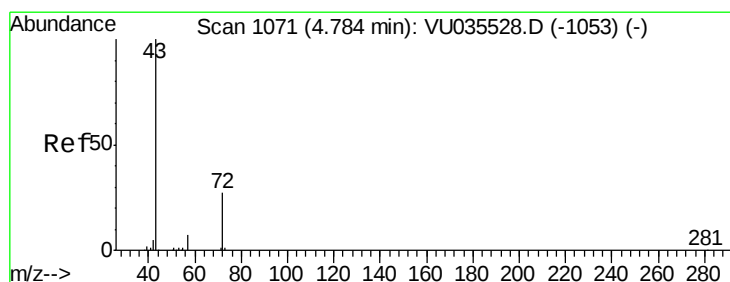
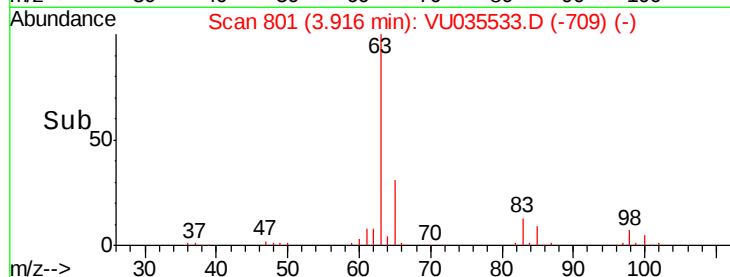
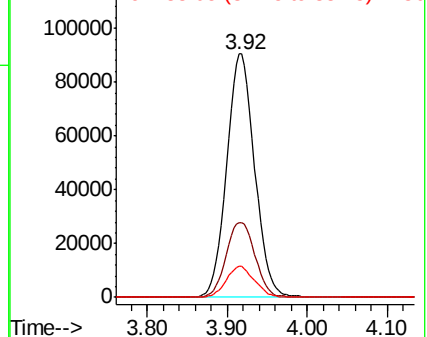
63 100

65 30.9 22.0 41.0

83 12.9 9.2 17.2



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 65.10 (64.80 to 65.80): VU0
Ion 83.05 (82.75 to 83.75): VU0



#21

2-Butanone

Concen: 48.649 ug/L

RT: 4.79 min Scan# 1072

Delta R.T. 0.00 min

Lab File: VU035533.D

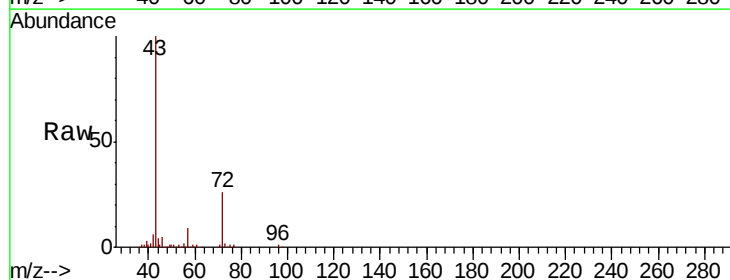
Acq: 28 Oct 2019 13:30

Tgt Ion: 43 Resp: 318115

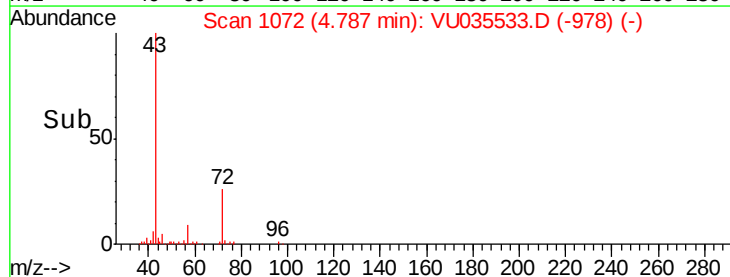
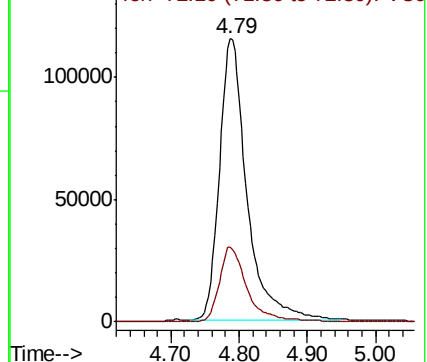
Ion Ratio Lower Upper

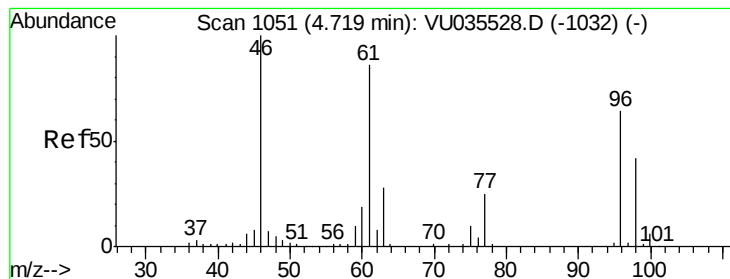
43 100

72 25.7 12.9 38.7



Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 72.10 (71.80 to 72.80): VU0





#22

cis-1,2-Dichloroethene

Concen: 4.783 ug/L

RT: 4.72 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VU035533.D

Acq: 28 Oct 2019 13:30

Instrument :

MSVOA_U

ClientSampled :

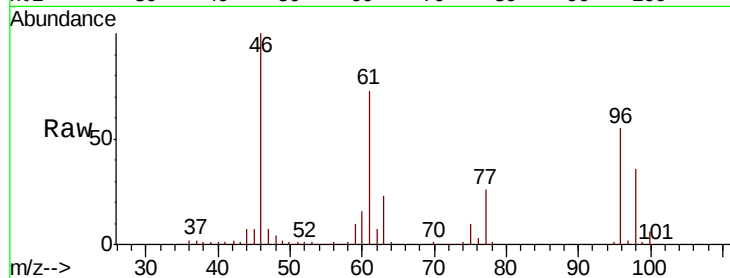
Tot Ion: 96 Resp: 119081

Ion Ratio Lower Upper

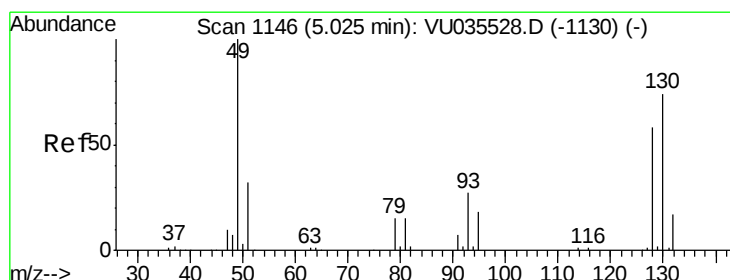
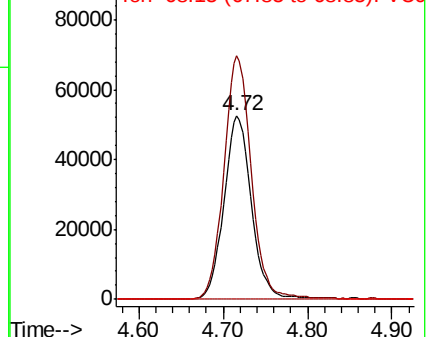
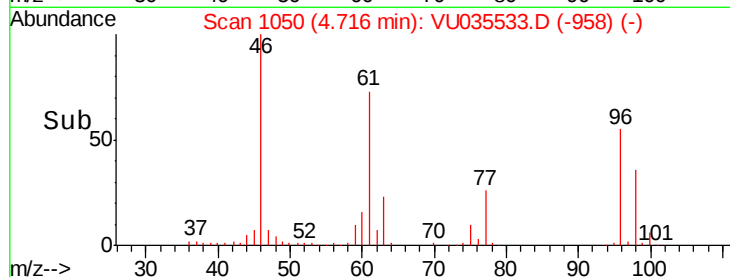
96 100

61 132.7 93.6 173.8

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU035533.D (-958) (-)



#23

Bromochloromethane

Concen: 4.585 ug/L

RT: 5.02 min Scan# 1145

Delta R.T. -0.00 min

Lab File: VU035533.D

Acq: 28 Oct 2019 13:30

Tgt Ion: 128 Resp: 52786

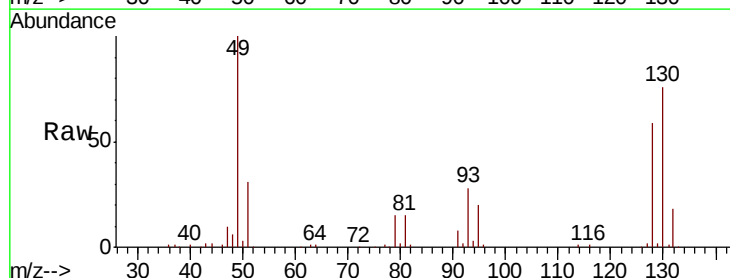
Ion Ratio Lower Upper

128 100

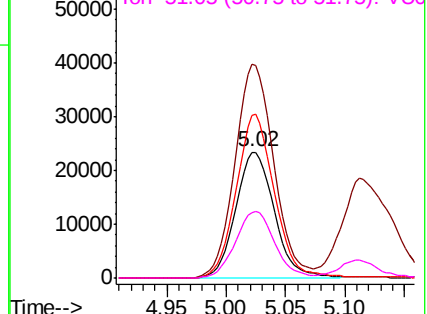
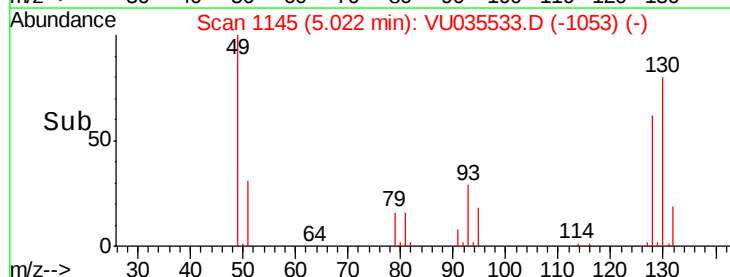
49 169.6 122.2 226.9

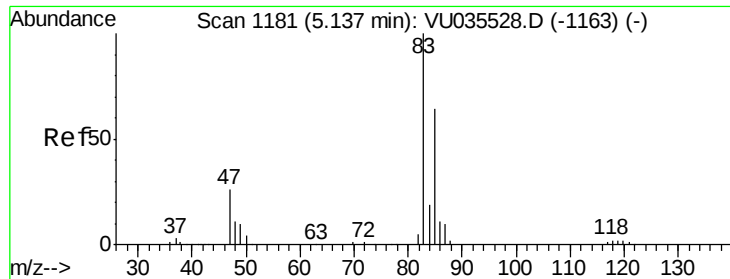
130 129.5 87.9 163.3

51 52.3 41.0 61.6



Abundance Ion 127.90 (127.60 to 128.60): VU035533.D (-1053) (-)

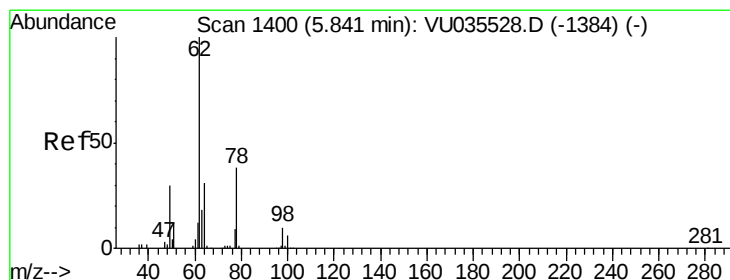
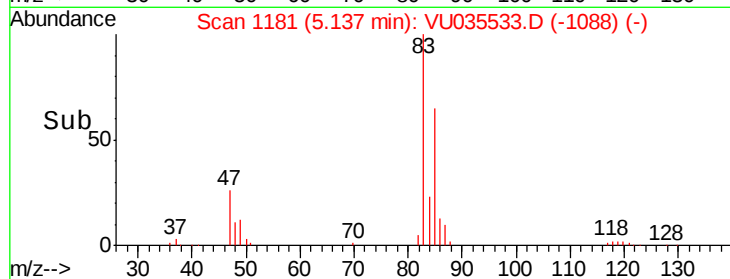
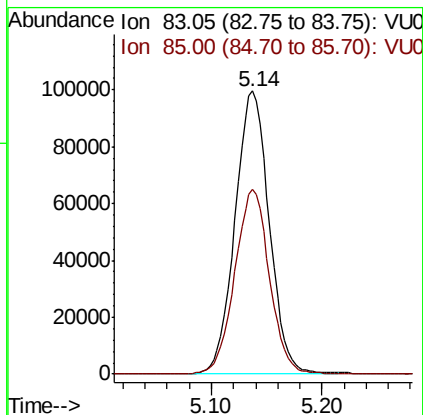
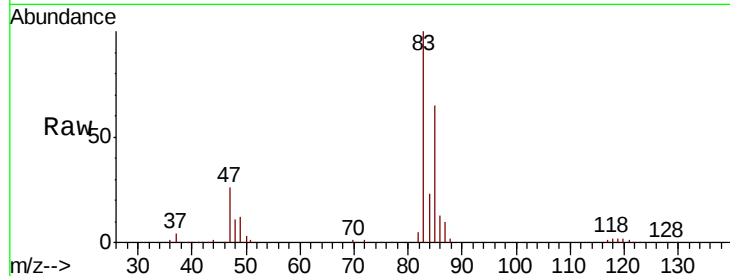




#25
Chloroform
Concen: 4.387 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VU035533.D
Acq: 28 Oct 2019 13:30

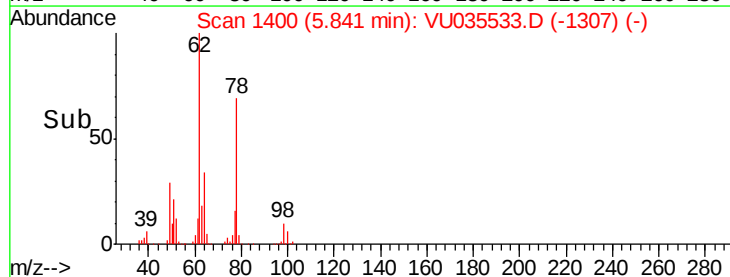
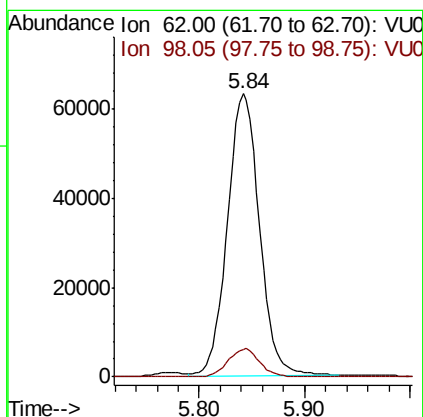
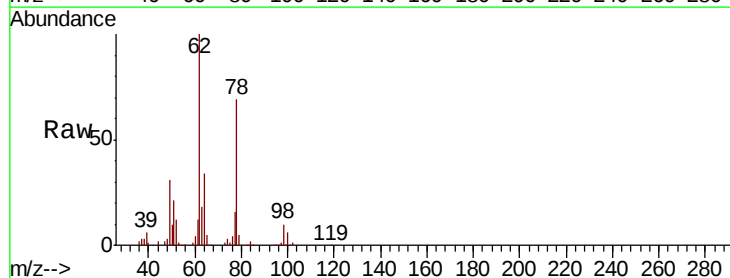
Instrument :
MSVOA_U
ClientSampled :

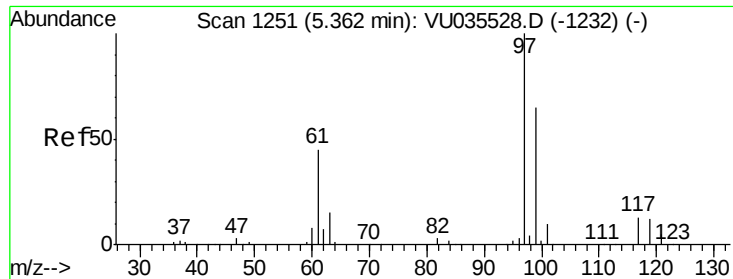
Tot Ion: 83 Resp: 214261
Ion Ratio Lower Upper
83 100
85 65.1 45.7 84.9



#27
1,2-Dichloroethane
Concen: 4.618 ug/L
RT: 5.84 min Scan# 1400
Delta R.T. 0.00 min
Lab File: VU035533.D
Acq: 28 Oct 2019 13:30

Tgt Ion: 62 Resp: 133092
Ion Ratio Lower Upper
62 100
98 9.9 7.6 11.4

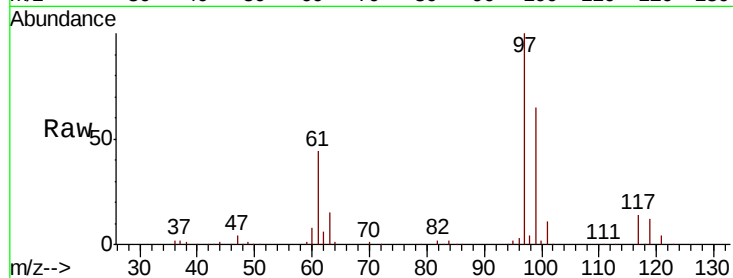




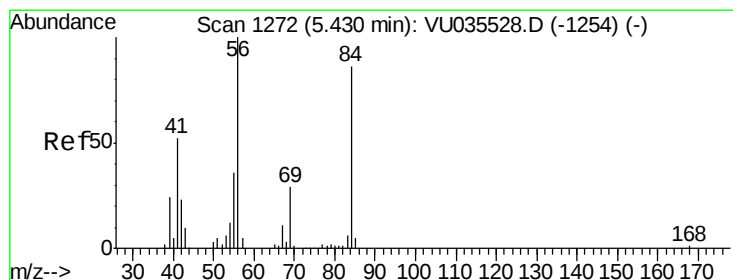
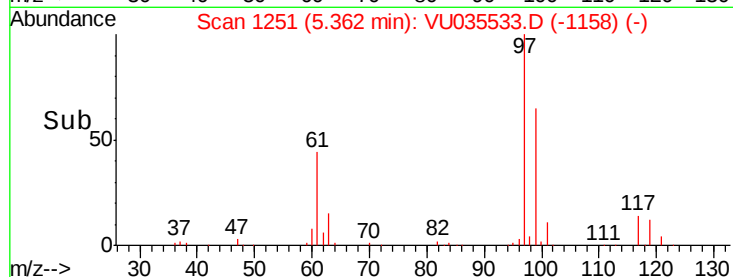
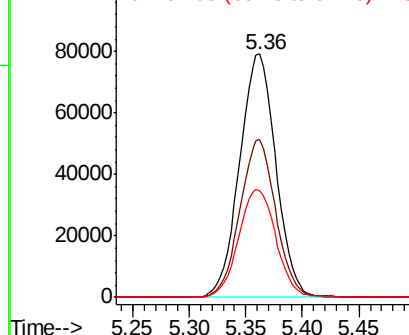
#29
1,1,1-Trichloroethane
Concen: 4.958 ug/L
RT: 5.36 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU035533.D
Acq: 28 Oct 2019 13:30

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 97 Resp: 176757
Ion Ratio Lower Upper
97 100
99 64.3 51.1 76.7
61 45.4 37.9 56.9

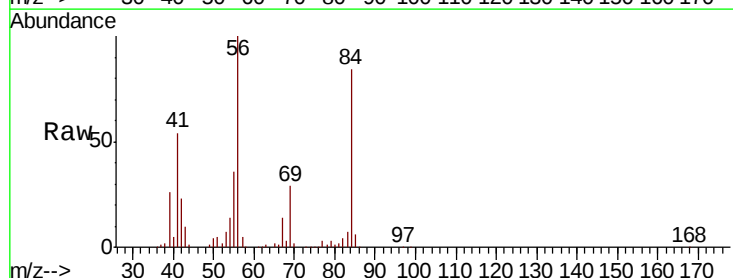


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 61.05 (60.75 to 61.75): VU0

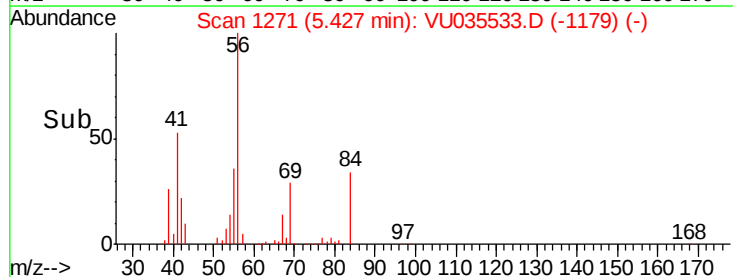
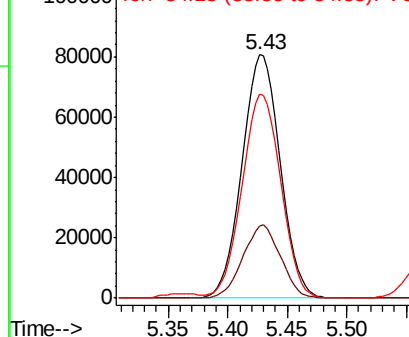


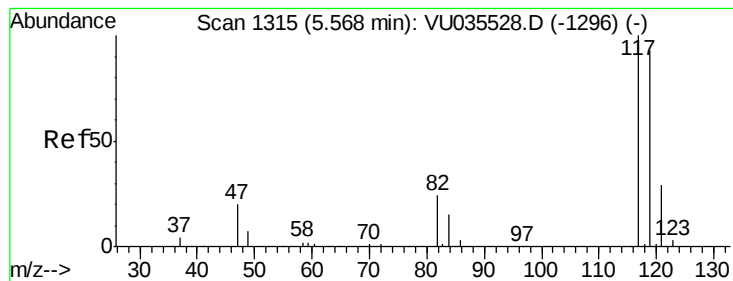
#30
Cyclohexane
Concen: 4.933 ug/L
RT: 5.43 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU035533.D
Acq: 28 Oct 2019 13:30

Tgt Ion: 56 Resp: 179698
Ion Ratio Lower Upper
56 100
69 29.6 23.9 35.9
84 85.1 69.4 104.2



Abundance Ion 56.10 (55.80 to 56.80): VU0
Ion 69.15 (68.85 to 69.85): VU0
Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 4.876 ug/L

RT: 5.56 min Scan# 1314

Delta R.T. -0.00 min

Lab File: VU035533.D

Acq: 28 Oct 2019 13:30

Instrument :

MSVOA_U

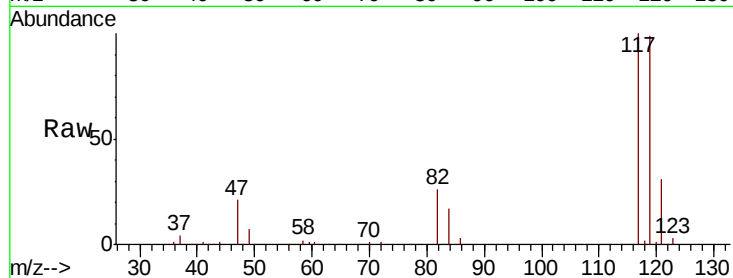
ClientSampleId :

Tot Ion:117 Resp: 155128

Ion Ratio Lower Upper

117 100

119 96.4 76.3 114.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.56

80000

60000

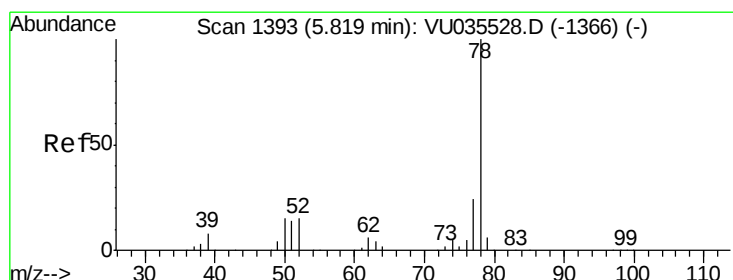
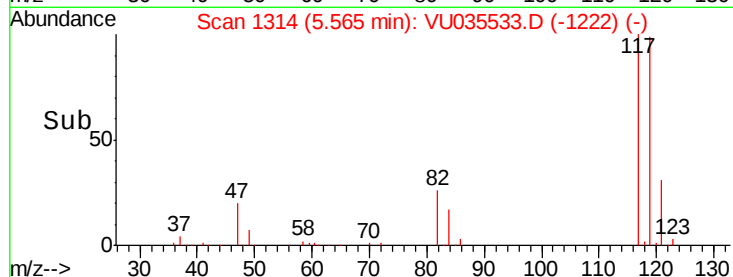
40000

20000

0

Time-->

5.50 5.60 5.70



#33

Benzene

Concen: 5.025 ug/L

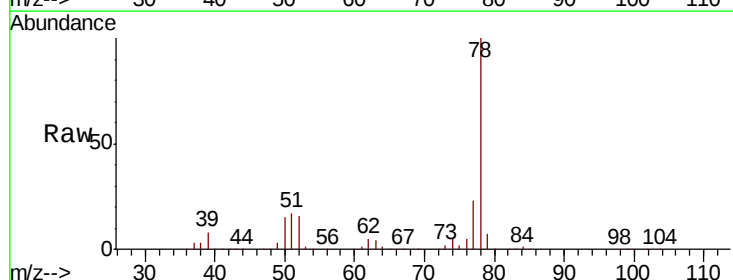
RT: 5.82 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VU035533.D

Acq: 28 Oct 2019 13:30

Tgt Ion: 78 Resp: 474879



Abundance Ion 78.10 (77.80 to 78.80): VU0

5.82

250000

200000

150000

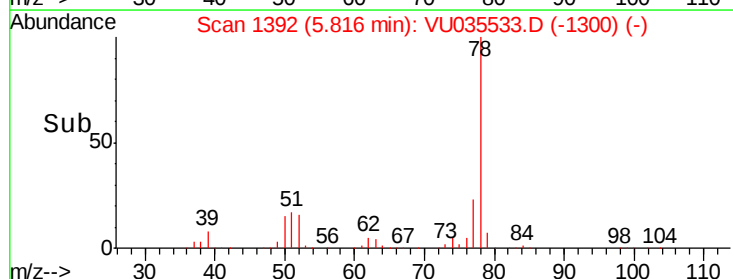
100000

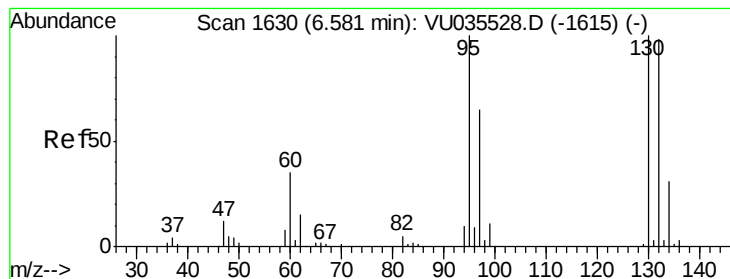
50000

0

Time-->

5.70 5.80 5.90





#34

Trichloroethene

Concen: 5.073 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU035533.D

Acq: 28 Oct 2019 13:30

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 117768

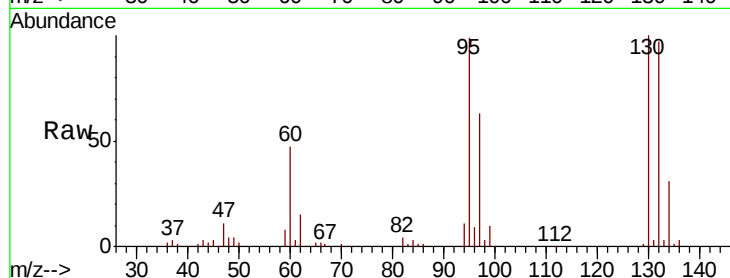
Ion Ratio Lower Upper

95 100

97 64.0 43.8 81.4

132 98.1 67.3 124.9

130 101.4 70.6 131.2

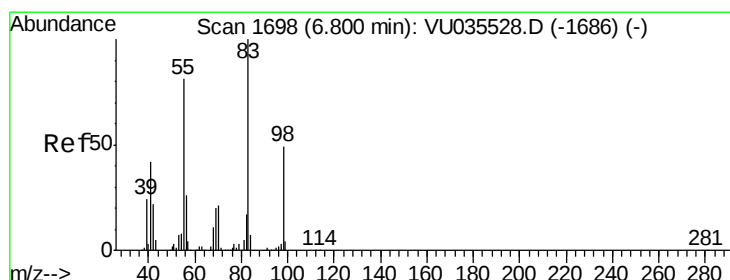
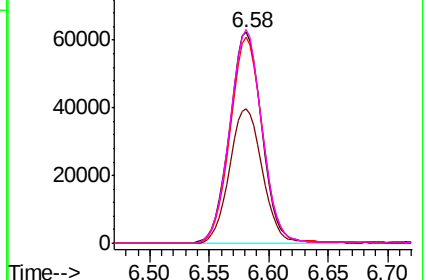
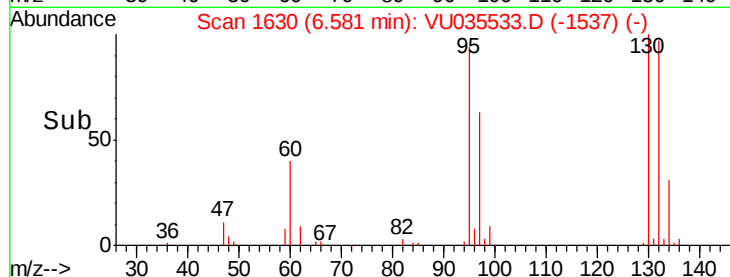


Abundance Ion 95.00 (94.70 to 95.70): VU035533.D (-1615) (-)

Ion 96.95 (96.65 to 97.65): VU035533.D (-1615) (-)

Ion 131.95 (131.65 to 132.65): VU035533.D (-1615) (-)

Ion 129.95 (129.65 to 130.65): VU035533.D (-1615) (-)



#35

Methylcyclohexane

Concen: 5.088 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VU035533.D

Acq: 28 Oct 2019 13:30

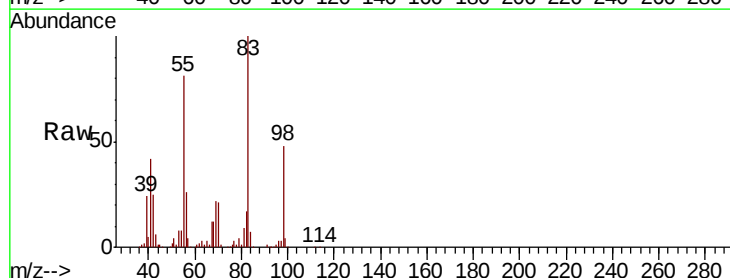
Tgt Ion: 83 Resp: 182801

Ion Ratio Lower Upper

83 100

55 81.4 67.3 100.9

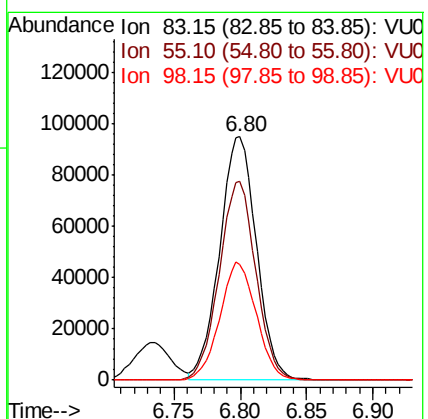
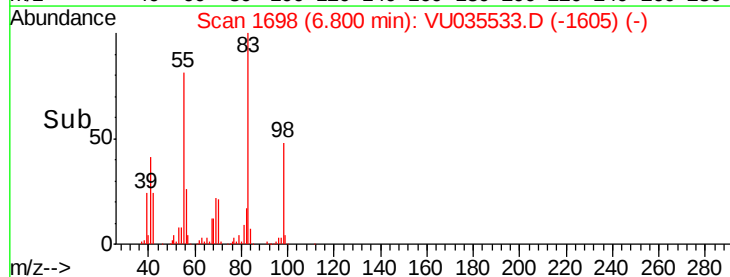
98 48.1 39.0 58.6

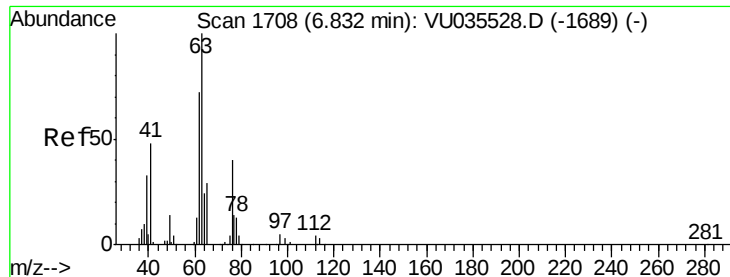


Abundance Ion 83.15 (82.85 to 83.85): VU035533.D (-1605) (-)

Ion 55.10 (54.80 to 55.80): VU035533.D (-1605) (-)

Ion 98.15 (97.85 to 98.85): VU035533.D (-1605) (-)

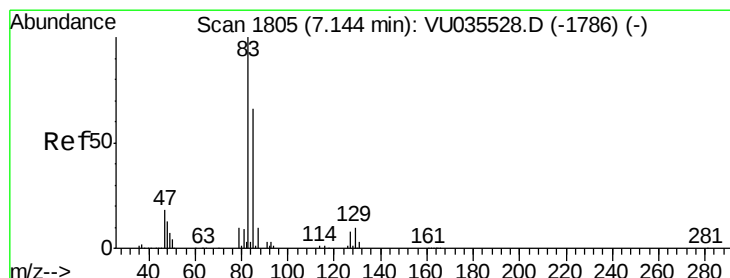
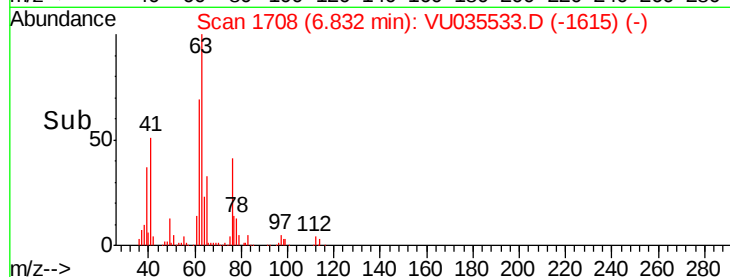
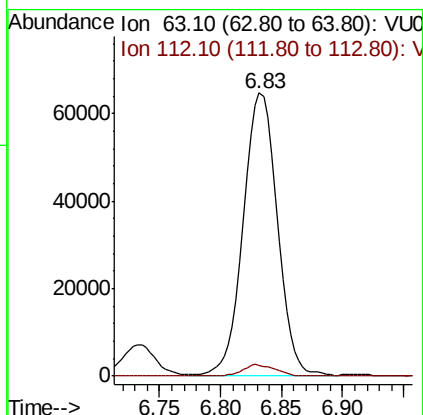
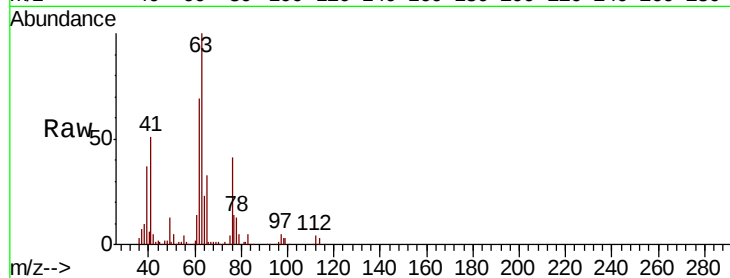




#37
 1,2-Dichloropropane
 Concen: 4.984 ug/L
 RT: 6.83 min Scan# 1708
 Delta R.T. 0.00 min
 Lab File: VU035533.D
 Acq: 28 Oct 2019 13:30

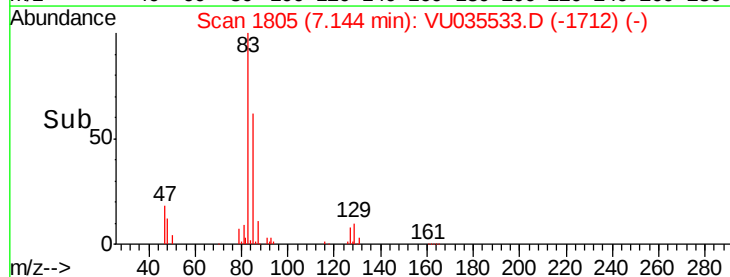
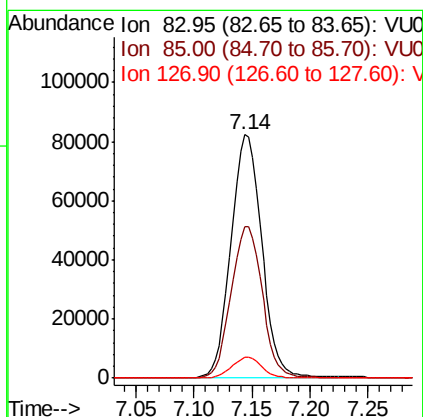
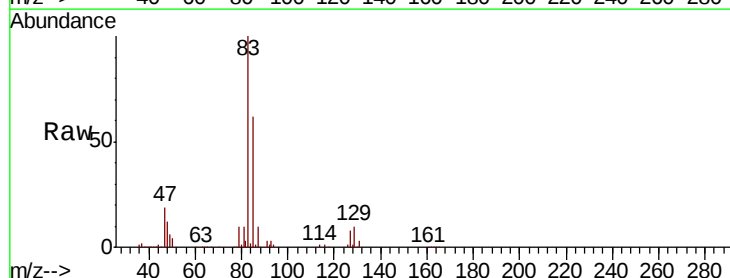
Instrument :
 MSVOA_U
 ClientSampleId :

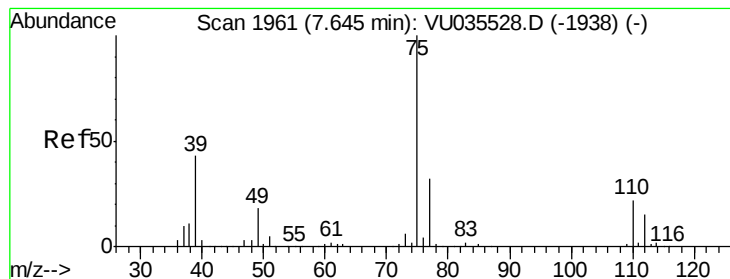
Tot Ion: 63 Resp: 124438
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.6 5.4



#38
 Bromodichloromethane
 Concen: 4.890 ug/L
 RT: 7.14 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VU035533.D
 Acq: 28 Oct 2019 13:30

Tgt Ion: 83 Resp: 151467
 Ion Ratio Lower Upper
 83 100
 85 62.0 44.2 82.2
 127 8.3 6.6 9.8



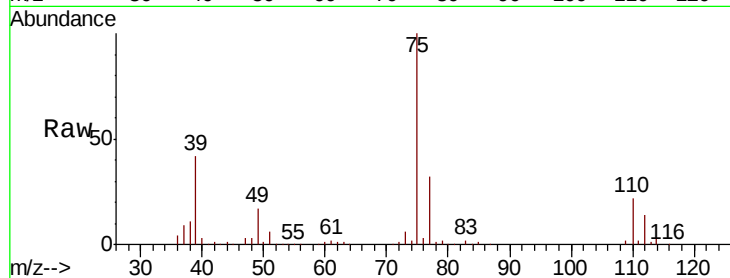


#39

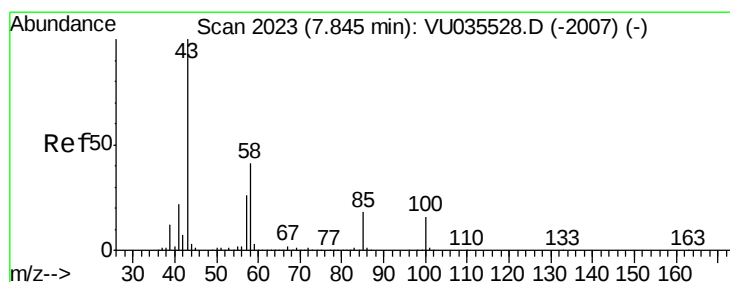
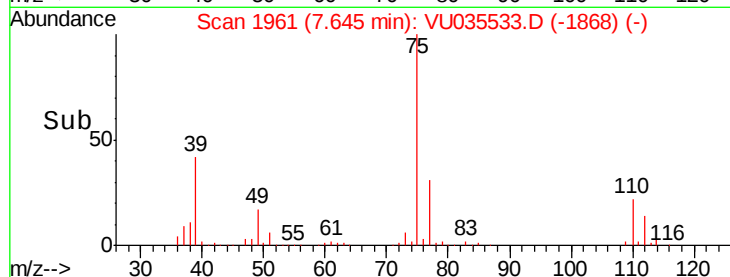
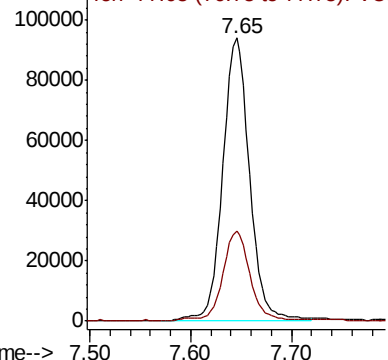
cis-1,3-Dichloropropene
 Concen: 4.974 ug/L
 RT: 7.65 min Scan# 1961
 Delta R.T. 0.00 min
 Lab File: VU035533.D
 Acq: 28 Oct 2019 13:30

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 75 Resp: 172851
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.0 40.8



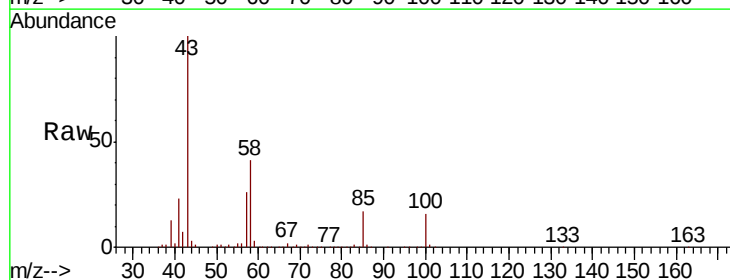
Abundance Ion 75.05 (74.75 to 75.75): VU0
 Ion 77.05 (76.75 to 77.75): VU0



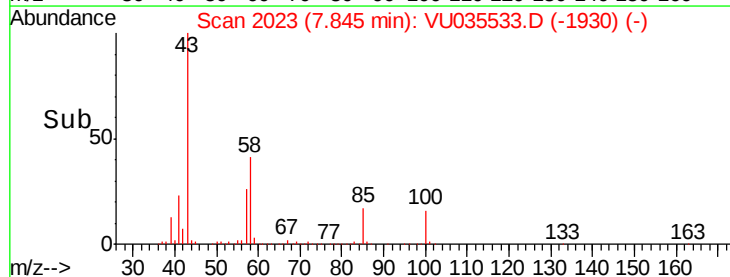
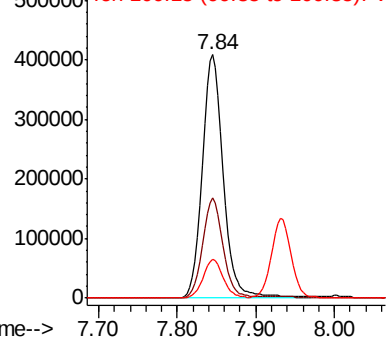
#40

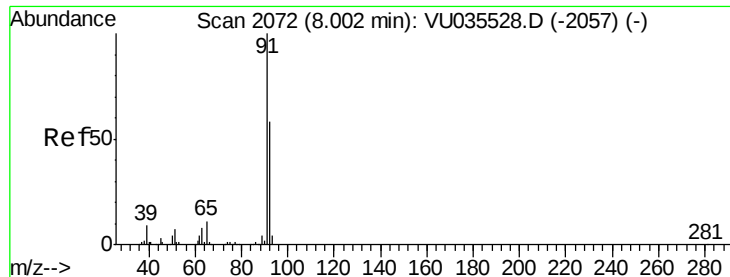
4-Methyl-2-pentanone
 Concen: 50.762 ug/L
 RT: 7.84 min Scan# 2023
 Delta R.T. 0.00 min
 Lab File: VU035533.D
 Acq: 28 Oct 2019 13:30

Tgt Ion: 43 Resp: 750422
 Ion Ratio Lower Upper
 43 100
 58 40.2 31.6 47.4
 100 15.2 11.8 17.8



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 58.05 (57.75 to 58.75): VU0
 Ion 100.15 (99.85 to 100.85): VU0





#42

Toluene

Concen: 5.078 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. 0.00 min

Lab File: VU035533.D

Acq: 28 Oct 2019 13:30

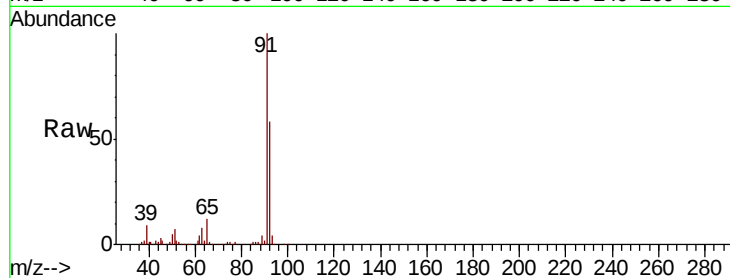
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 489747

Ion Ratio Lower Upper

91 100

92 58.3 40.9 75.9



Abundance Ion 91.15 (90.85 to 91.85): VU035528.D (-2057) (-)

Ion 92.15 (91.85 to 92.85): VU035528.D (-2057) (-)

8.00

300000

250000

200000

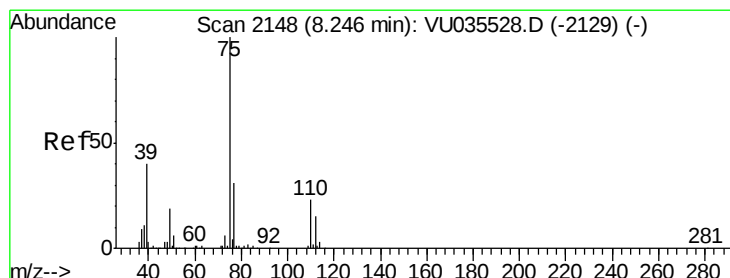
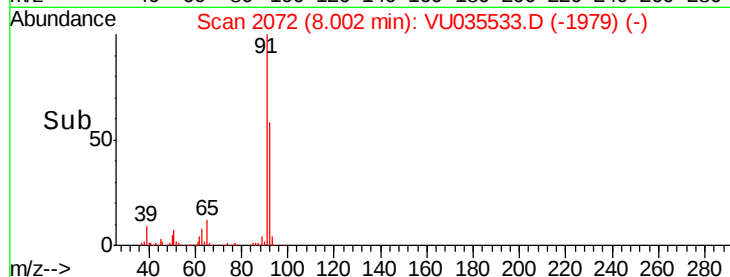
150000

100000

50000

0

Time--> 7.90 8.00 8.10



#44

trans-1,3-Dichloropropene

Concen: 5.162 ug/L

RT: 8.25 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VU035533.D

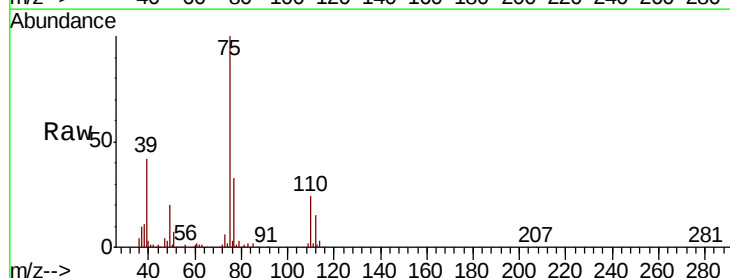
Acq: 28 Oct 2019 13:30

Tgt Ion: 75 Resp: 141891

Ion Ratio Lower Upper

75 100

77 32.7 22.0 40.8



Abundance Ion 75.05 (74.75 to 75.75): VU035528.D (-2129) (-)

Ion 77.05 (76.75 to 77.75): VU035528.D (-2129) (-)

8.25

80000

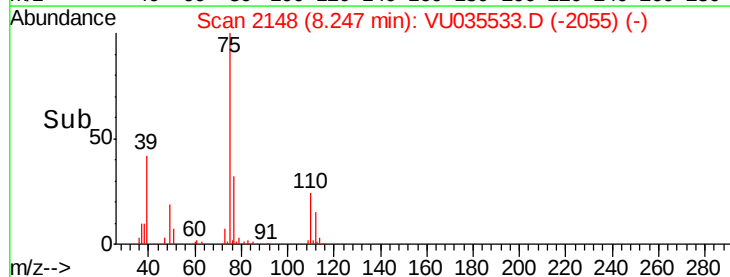
60000

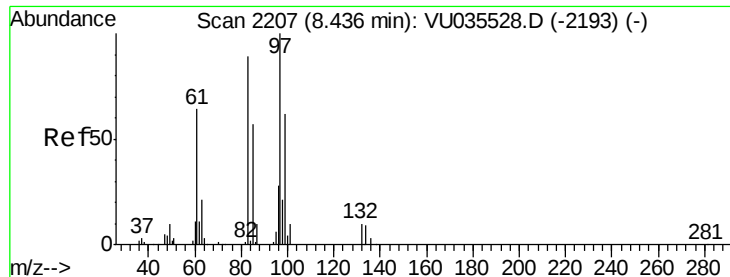
40000

20000

0

Time--> 8.20 8.30

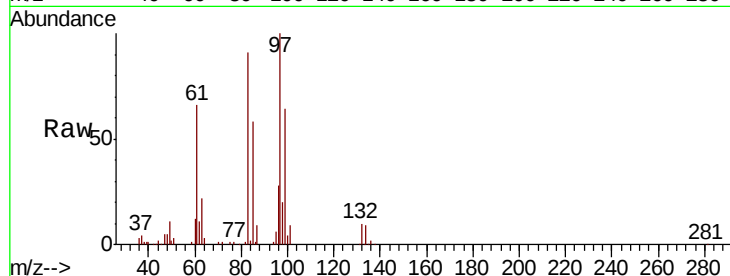




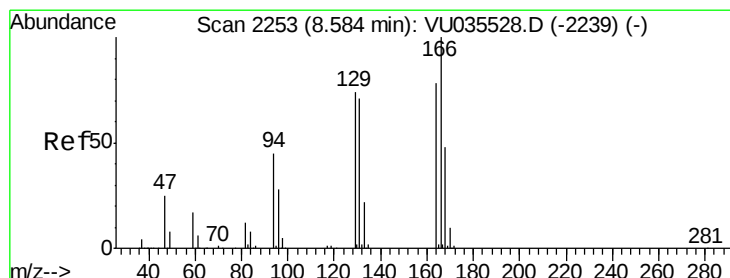
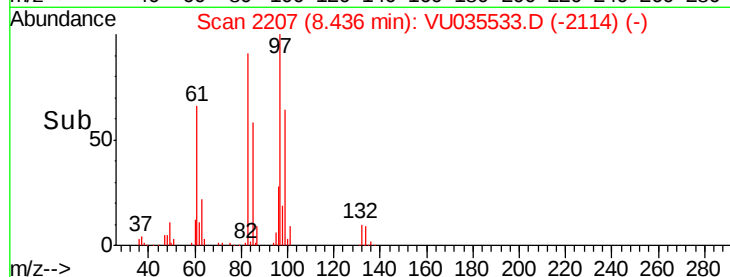
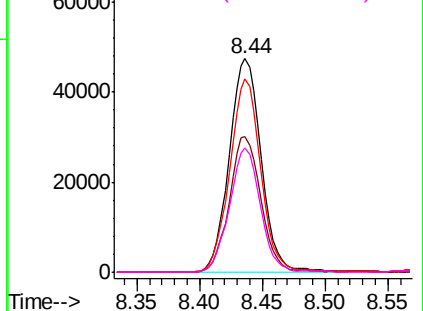
#45
 1,1,2-Trichloroethane
 Concen: 4.849 ug/L
 RT: 8.44 min Scan# 2207
 Delta R.T. 0.00 min
 Lab File: VU035533.D
 Acq: 28 Oct 2019 13:30

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	97	Resp:	84076
Ion	Ratio	Lower	Upper
97	100		
99	63.5	43.6	81.0
83	90.5	62.3	115.7
85	58.4	40.0	74.4

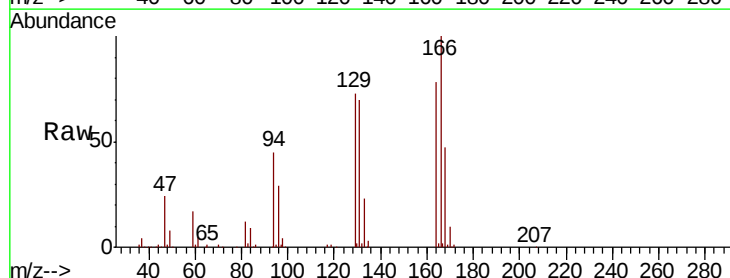


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

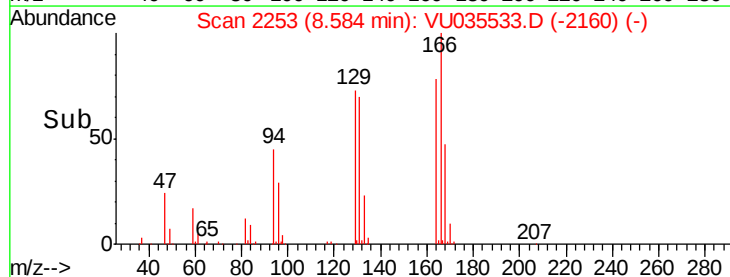
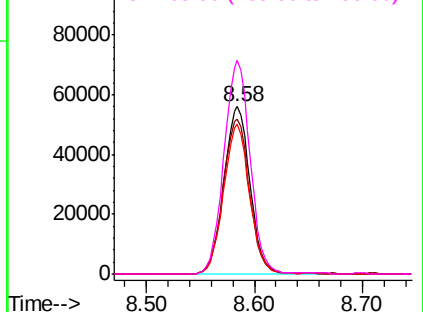


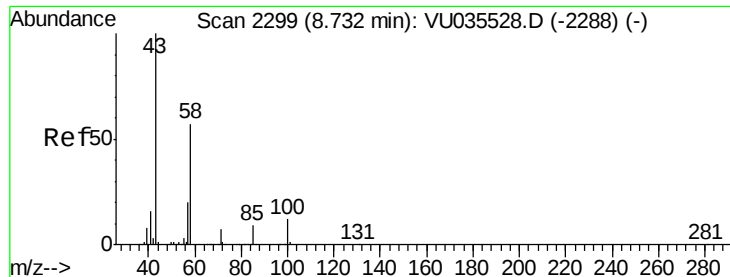
#47
 Tetrachloroethene
 Concen: 4.973 ug/L
 RT: 8.58 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VU035533.D
 Acq: 28 Oct 2019 13:30

Tgt Ion:	164	Resp:	94797
Ion	Ratio	Lower	Upper
164	100		
129	93.0	64.6	120.0
131	89.9	63.1	117.3
166	127.8	90.4	168.0



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

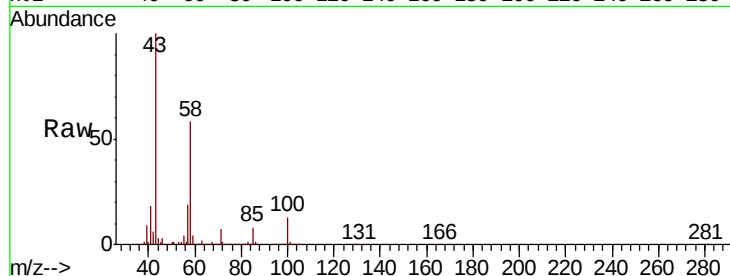




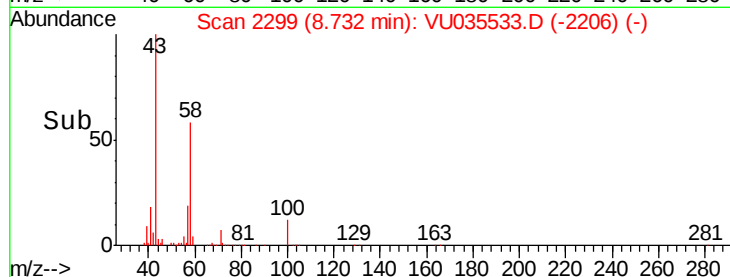
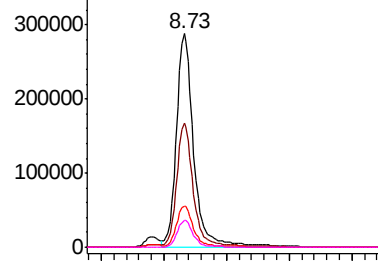
#48
2-Hexanone
Concen: 55.846 ug/L
RT: 8.73 min Scan# 2299
Delta R.T. 0.00 min
Lab File: VU035533.D
Acq: 28 Oct 2019 13:30

Instrument :
MSVOA_U
ClientSampleId :

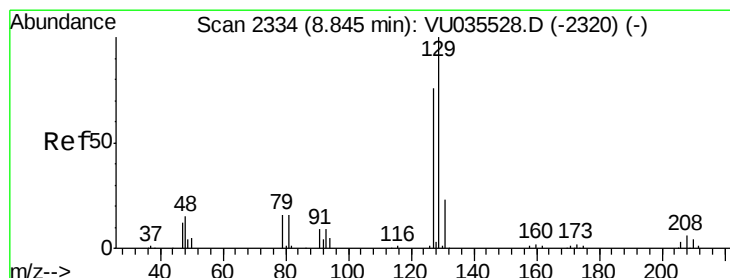
Tot Ion:	43	Resp:	555216
Ion	Ratio	Lower	Upper
43	100		
58	55.0	43.1	64.7
57	18.1	14.2	21.2
100	11.8	9.0	13.4



Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

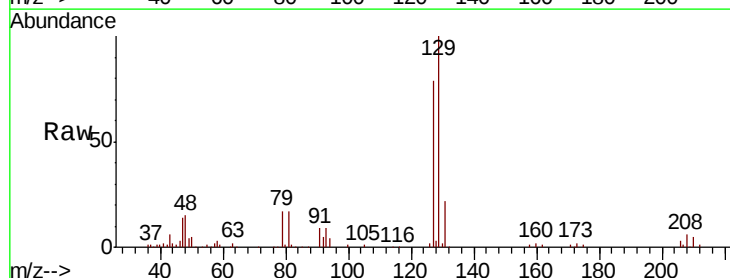


Time-->

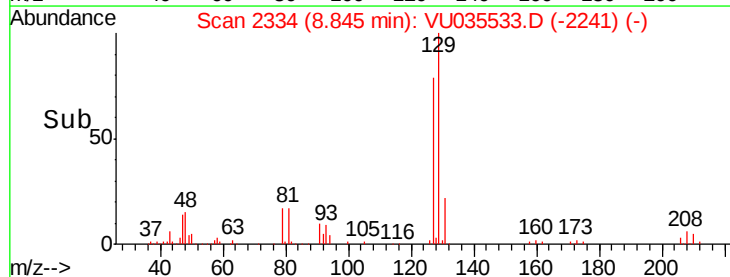
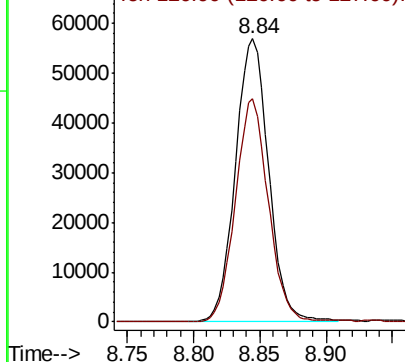


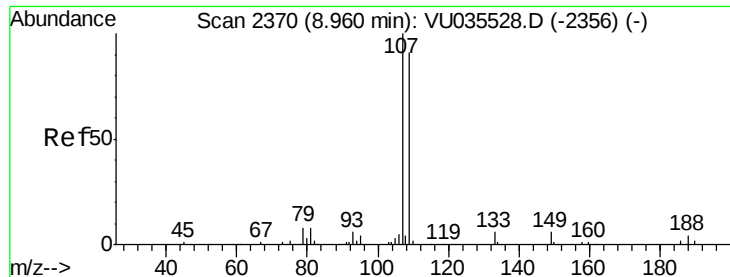
#49
Dibromochloromethane
Concen: 4.904 ug/L
RT: 8.84 min Scan# 2334
Delta R.T. 0.00 min
Lab File: VU035533.D
Acq: 28 Oct 2019 13:30

Tgt Ion:	129	Resp:	99503
Ion	Ratio	Lower	Upper
129	100		
127	78.9	55.6	103.4



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

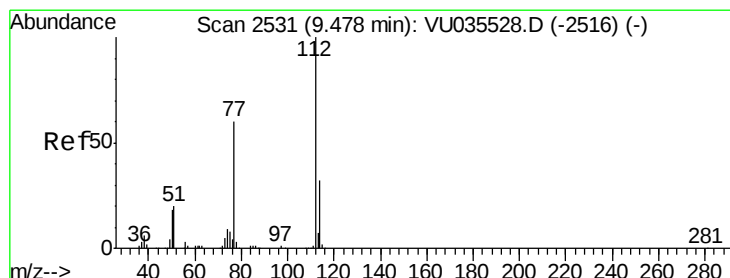
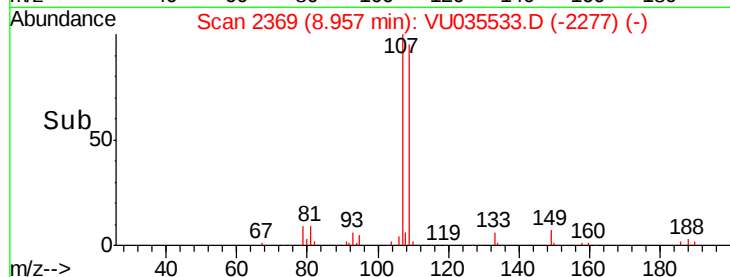
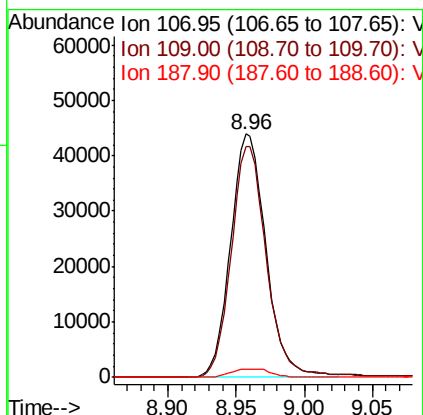
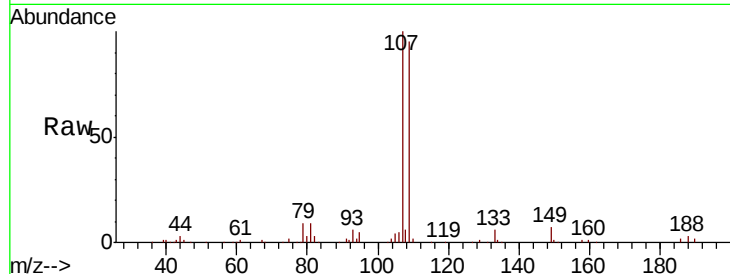




#50
 1,2-Dibromoethane
 Concen: 4.919 ug/L
 RT: 8.96 min Scan# 2369
 Delta R.T. -0.00 min
 Lab File: VU035533.D
 Acq: 28 Oct 2019 13:30

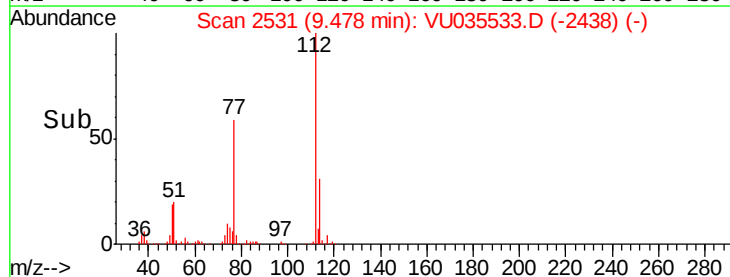
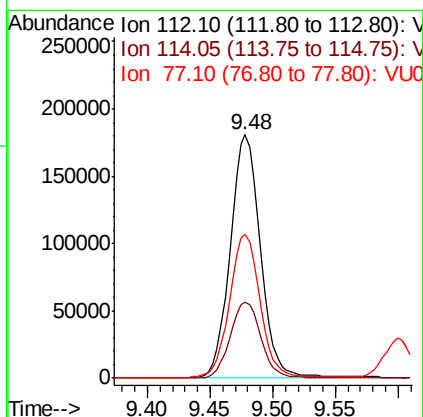
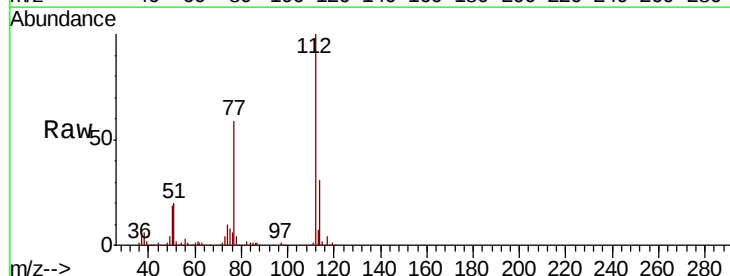
Instrument :
 MSVOA_U
 ClientSampled :

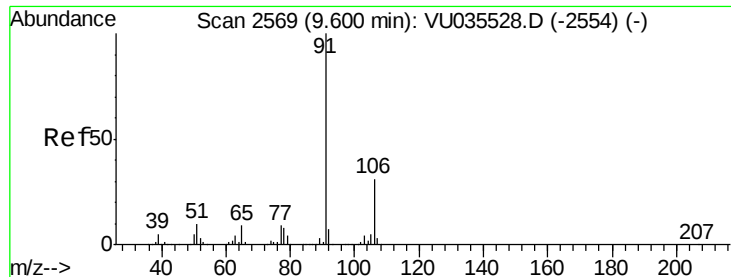
Tot Ion	107	Resp	79273
Ion	Ratio	Lower	Upper
107	100		
109	95.0	66.9	124.3
188	3.4	2.6	4.0



#51
 Chlorobenzene
 Concen: 4.967 ug/L
 RT: 9.48 min Scan# 2531
 Delta R.T. 0.00 min
 Lab File: VU035533.D
 Acq: 28 Oct 2019 13:30

Tgt Ion	112	Resp	301915
Ion	Ratio	Lower	Upper
112	100		
114	31.3	22.7	42.3
77	59.1	49.1	73.7





#52

Ethylbenzene

Concen: 5.041 ug/L

RT: 9.60 min Scan# 2569

Delta R.T. 0.00 min

Lab File: VU035533.D

Acq: 28 Oct 2019 13:30

Instrument :

MSVOA_U

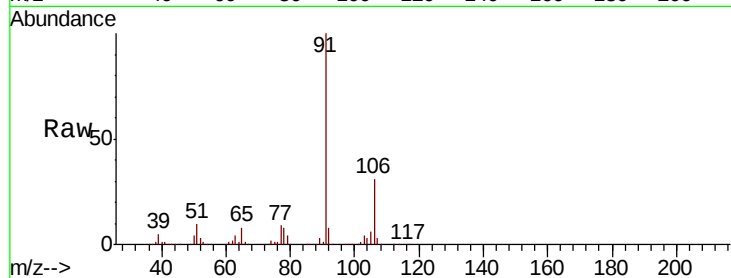
ClientSampleId :

Tot Ion: 91 Resp: 507944

Ion Ratio Lower Upper

91 100

106 30.5 21.3 39.6



Abundance Ion 91.15 (90.85 to 91.85): VU035528.D (-2554) (-)

Ion 106.15 (105.85 to 106.85): VU035528.D (-2554) (-)

9.60

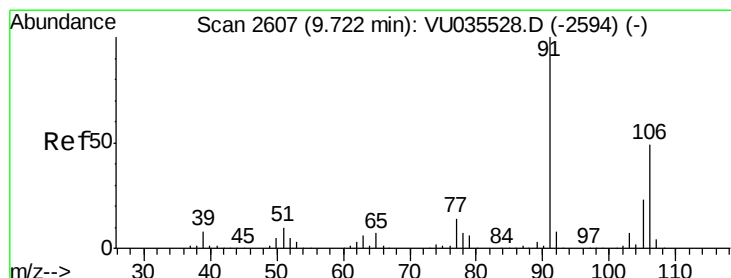
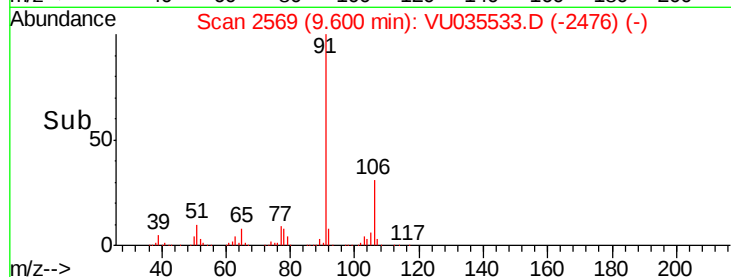
300000

200000

100000

0

Time-->



#53

m,p-Xylene

Concen: 5.351 ug/L

RT: 9.72 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VU035533.D

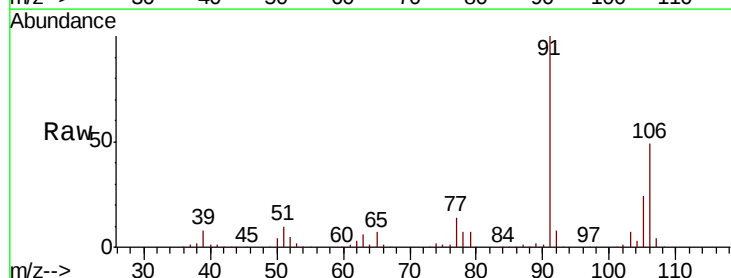
Acq: 28 Oct 2019 13:30

Tgt Ion: 106 Resp: 196873

Ion Ratio Lower Upper

106 100

91 202.8 142.3 264.3



Abundance Ion 106.15 (105.85 to 106.85): VU035528.D (-2594) (-)

Ion 91.15 (90.85 to 91.85): VU035528.D (-2594) (-)

9.72

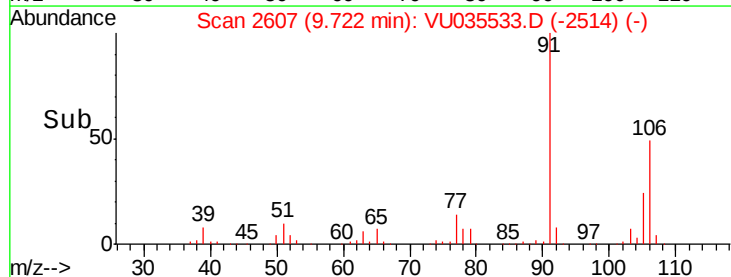
300000

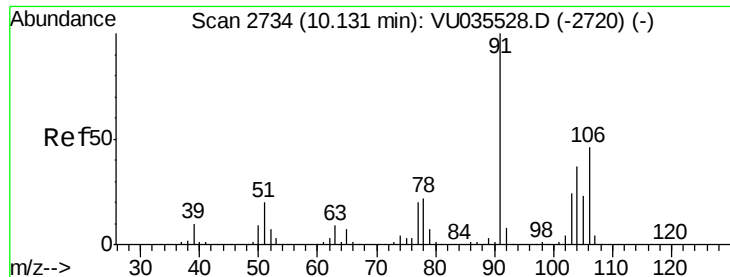
200000

100000

0

Time-->

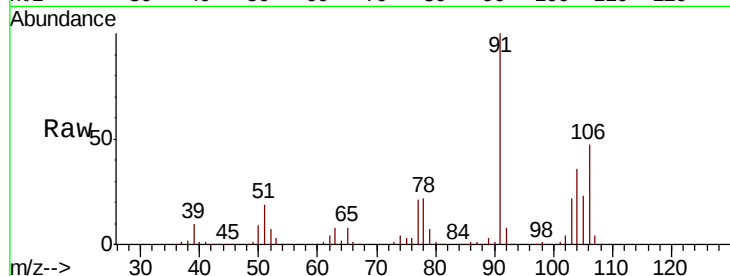




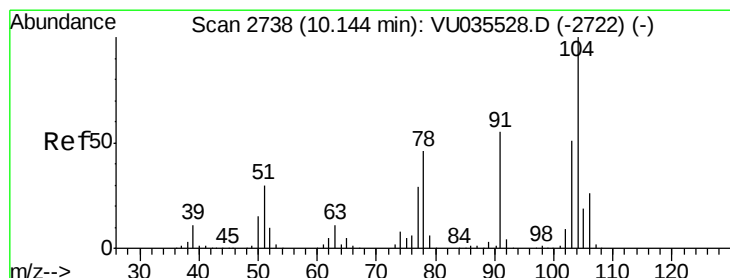
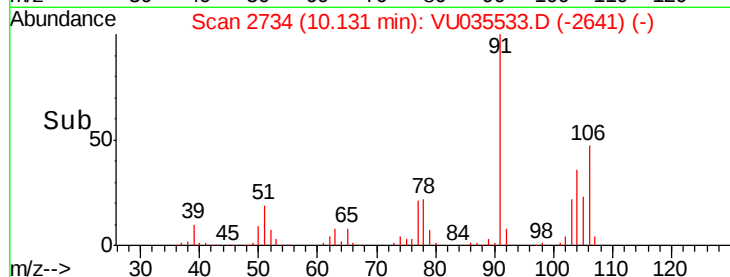
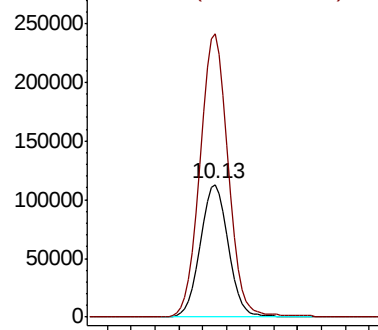
#54
o-Xylene
Concen: 5.174 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU035533.D
Acq: 28 Oct 2019 13:30

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 185477
Ion Ratio Lower Upper
106 100
91 213.7 150.8 280.1

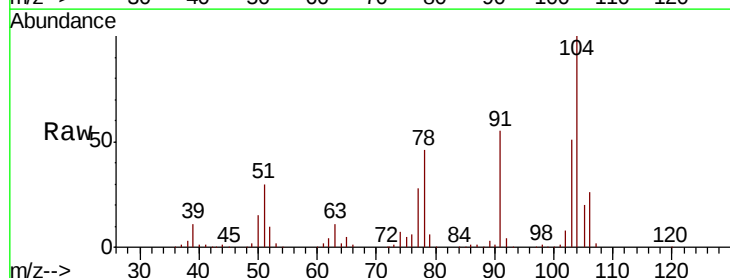


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

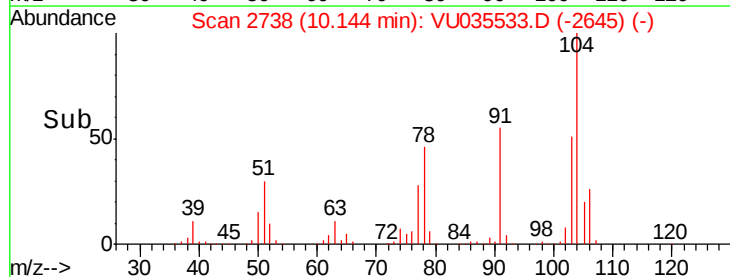
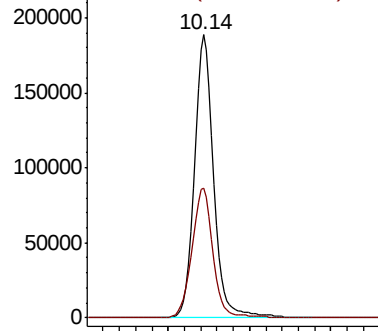


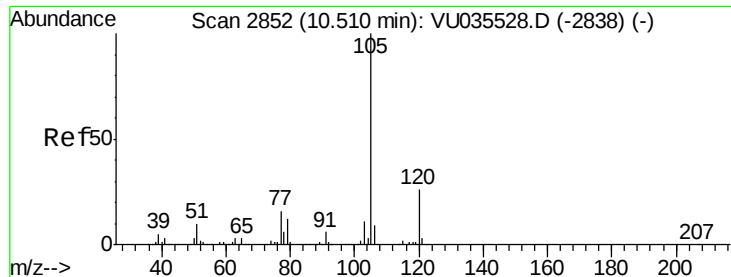
#55
Styrene
Concen: 5.374 ug/L
RT: 10.14 min Scan# 2738
Delta R.T. 0.00 min
Lab File: VU035533.D
Acq: 28 Oct 2019 13:30

Tgt Ion:104 Resp: 314610
Ion Ratio Lower Upper
104 100
78 46.0 32.2 59.8



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 5.230 ug/L

RT: 10.51 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VU035533.D

Acq: 28 Oct 2019 13:30

Instrument :

MSVOA_U

ClientSampleId :

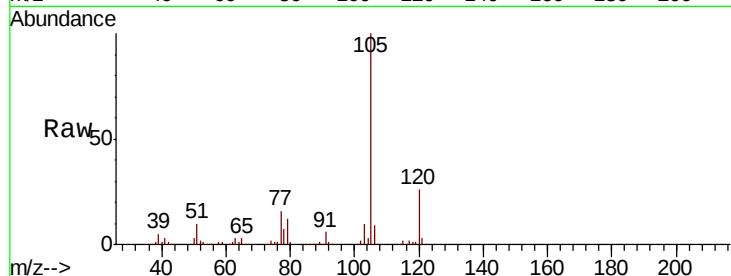
Tot Ion:105 Resp: 489590

Ion Ratio Lower Upper

105 100

120 26.3 21.0 31.4

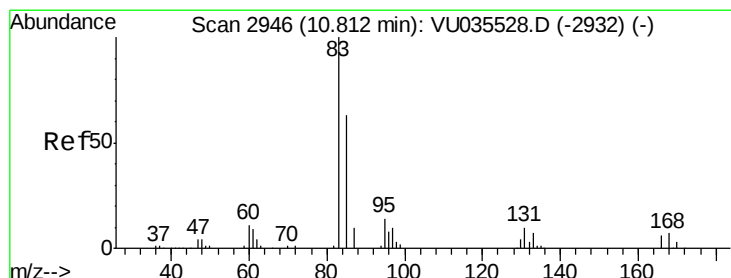
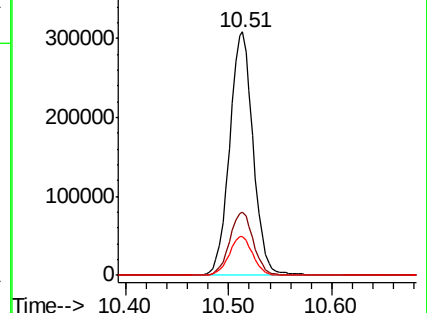
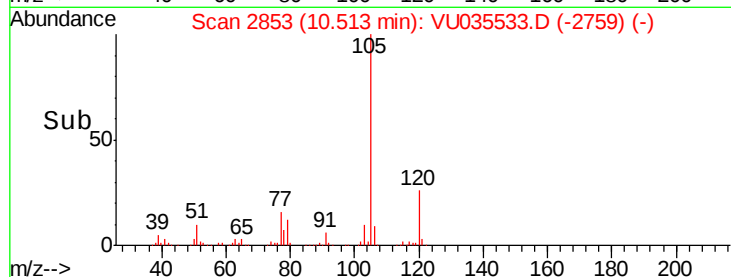
77 16.0 13.0 19.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.838 ug/L

RT: 10.81 min Scan# 2946

Delta R.T. 0.00 min

Lab File: VU035533.D

Acq: 28 Oct 2019 13:30

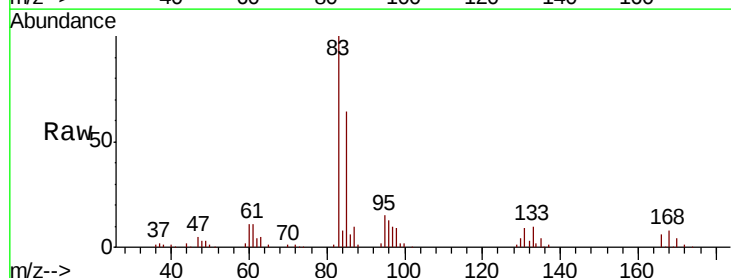
Tgt Ion: 83 Resp: 109701

Ion Ratio Lower Upper

83 100

85 64.0 44.7 83.1

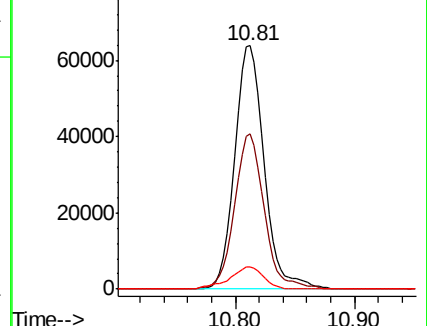
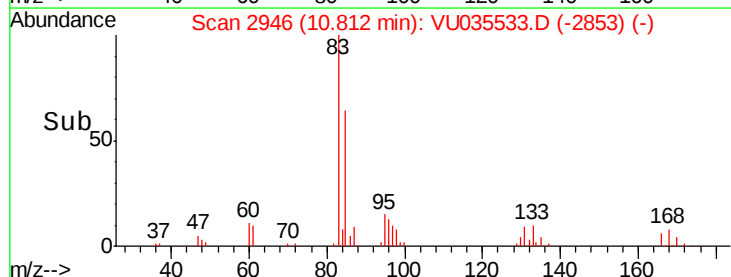
131 9.2 7.4 11.2

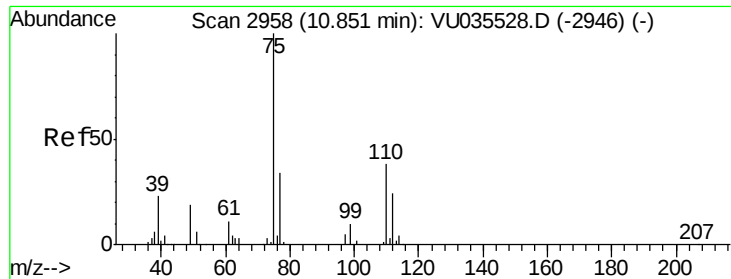


Abundance Ion 82.95 (82.65 to 83.65): VU

Ion 85.00 (84.70 to 85.70): VU

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.858 ug/L

RT: 10.85 min Scan# 2958

Delta R.T. 0.00 min

Lab File: VU035533.D

Acq: 28 Oct 2019 13:30

Instrument :

MSVOA_U

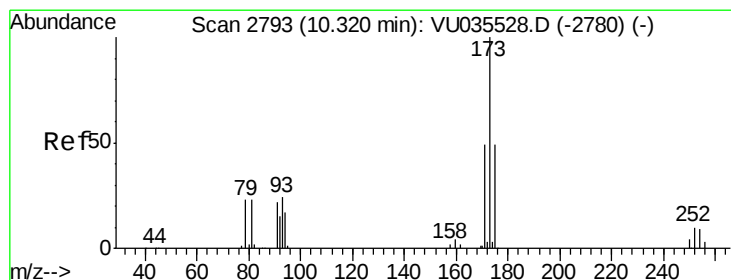
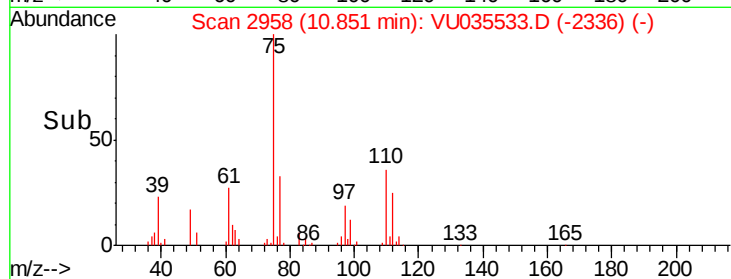
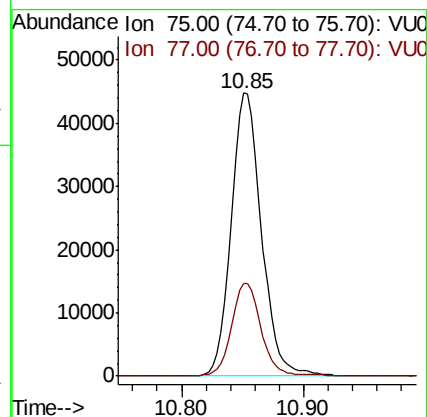
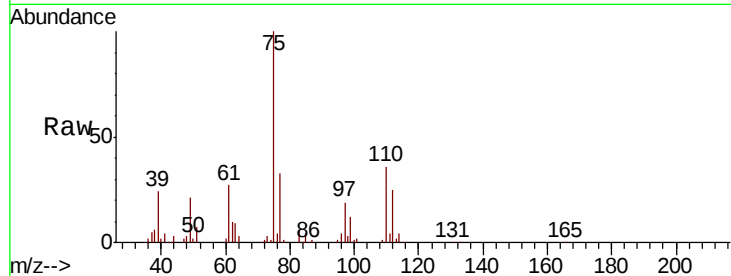
ClientSampleId :

Tot Ion: 75 Resp: 77737

Ion Ratio Lower Upper

75 100

77 32.3 27.4 41.0



#61

Bromoform

Concen: 4.243 ug/L

RT: 10.32 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VU035533.D

Acq: 28 Oct 2019 13:30

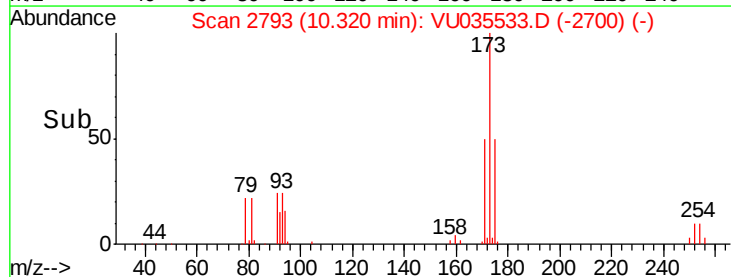
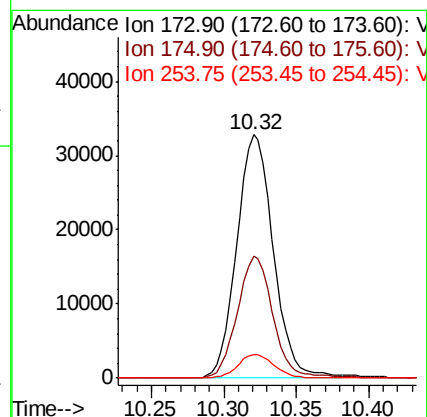
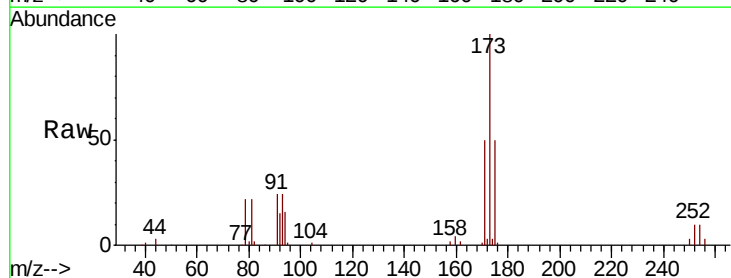
Tgt Ion: 173 Resp: 57671

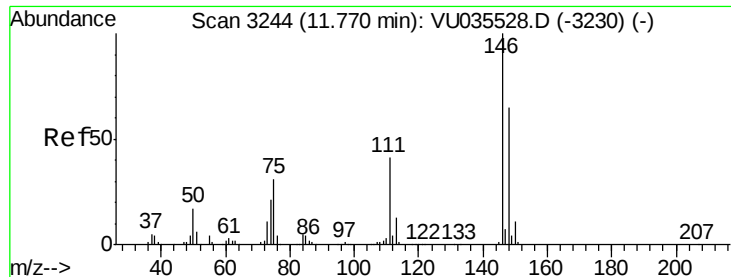
Ion Ratio Lower Upper

173 100

175 48.4 39.1 58.7

254 9.5 6.8 10.2





#62

1,3-Dichlorobenzene

Concen: 4.873 ug/L

RT: 11.77 min Scan# 3244

Delta R.T. 0.00 min

Lab File: VU035533.D

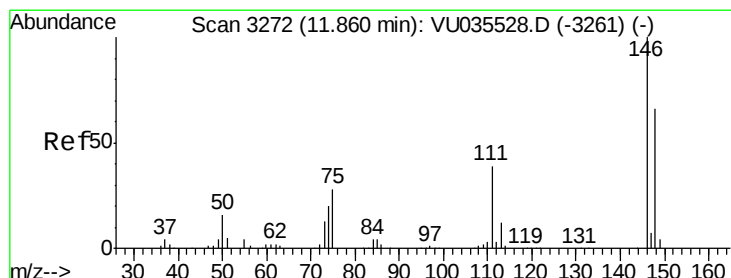
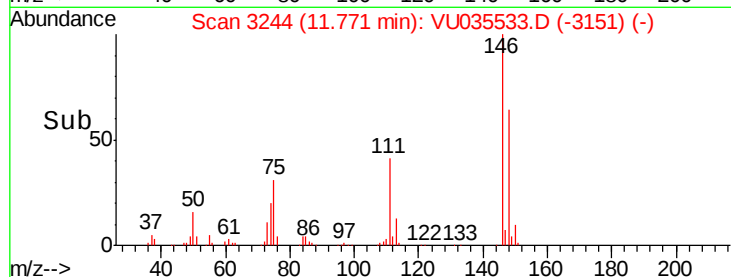
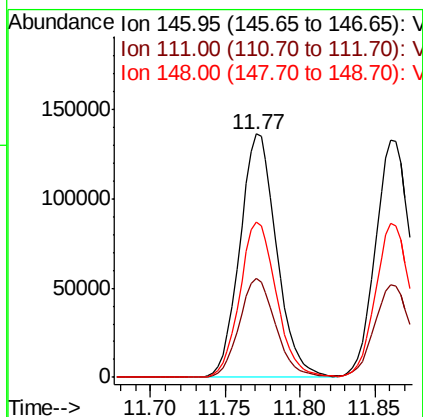
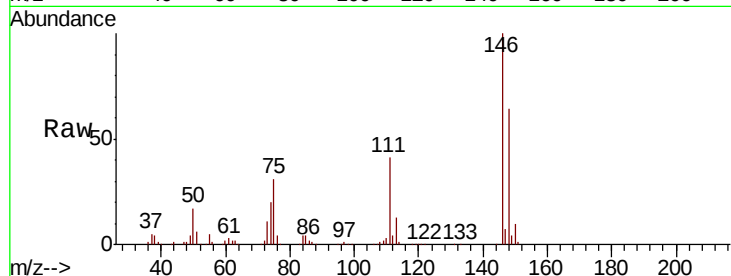
Acq: 28 Oct 2019 13:30

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:	146	Resp:	232852
Ion	Ratio	Lower	Upper
146	100		
111	40.5	28.1	52.3
148	63.9	44.8	83.2



#63

1,4-Dichlorobenzene

Concen: 4.770 ug/L

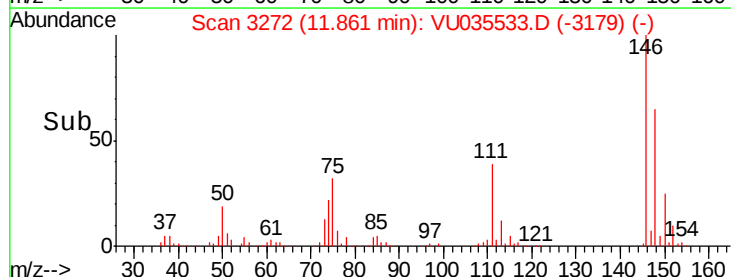
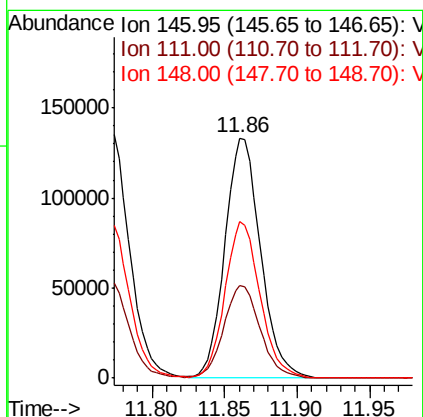
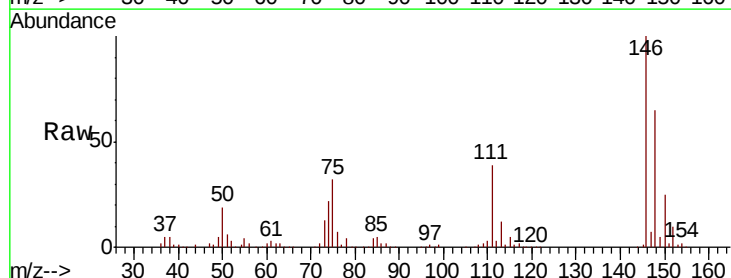
RT: 11.86 min Scan# 3272

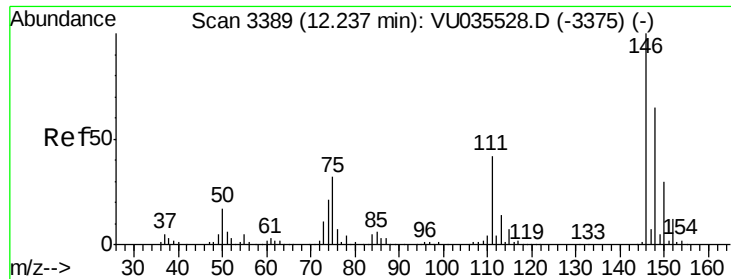
Delta R.T. 0.00 min

Lab File: VU035533.D

Acq: 28 Oct 2019 13:30

Tgt Ion:	146	Resp:	226831
Ion	Ratio	Lower	Upper
146	100		
111	38.8	26.9	49.9
148	65.0	44.2	82.2





#65

1,2-Dichlorobenzene

Concen: 4.660 ug/L

RT: 12.24 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU035533.D

Acq: 28 Oct 2019 13:30

Instrument :

MSVOA_U

ClientSampleId :

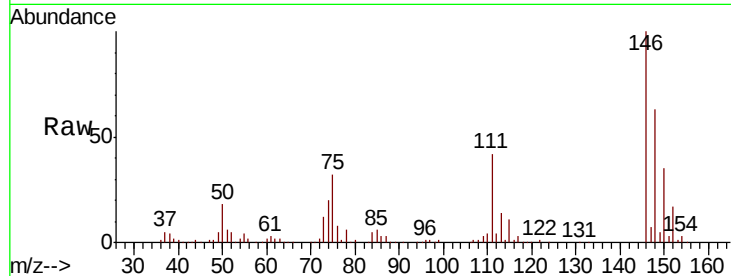
Tot Ion:146 Resp: 213933

Ion Ratio Lower Upper

146 100

111 41.8 33.4 50.2

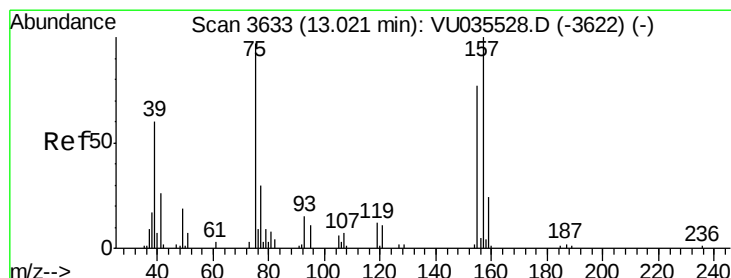
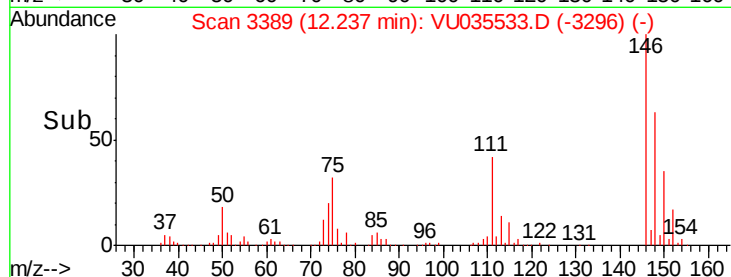
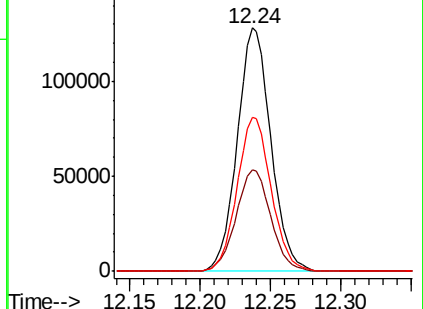
148 63.3 52.7 79.1



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.612 ug/L

RT: 13.02 min Scan# 3634

Delta R.T. 0.00 min

Lab File: VU035533.D

Acq: 28 Oct 2019 13:30

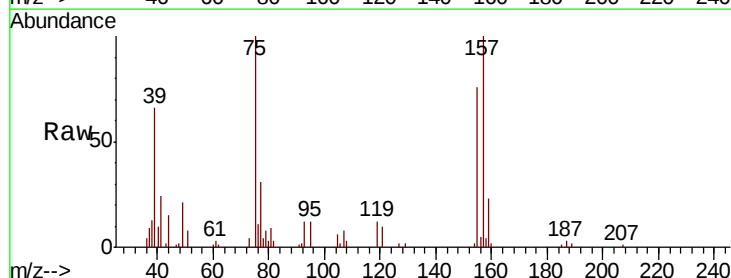
Tgt Ion: 75 Resp: 14212

Ion Ratio Lower Upper

75 100

155 76.0 67.1 100.7

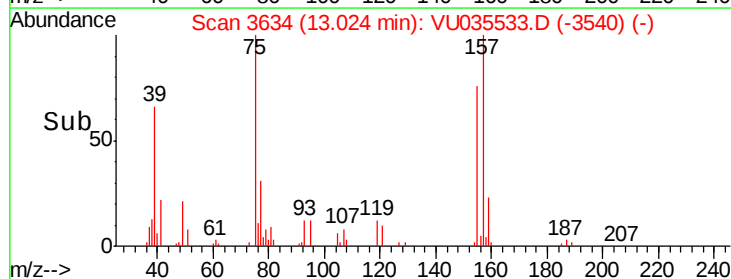
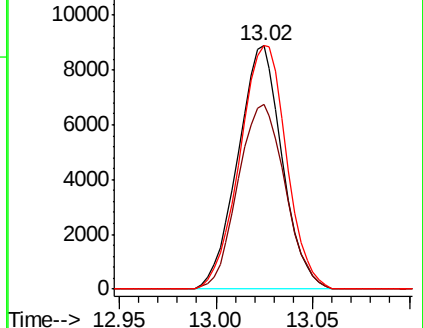
157 100.1 83.4 125.2

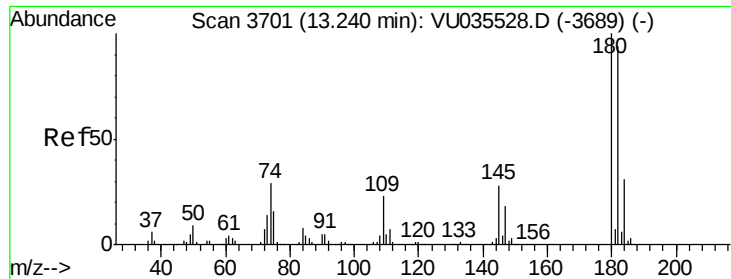


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V





#67

1,3,5-Trichlorobenzene

Concen: 5.159 ug/L

RT: 13.24 min Scan# 3701

Delta R.T. 0.00 min

Lab File: VU035533.D

Acq: 28 Oct 2019 13:30

Instrument :

MSVOA_U

ClientSampled :

Tot Ion:180 Resp: 152278

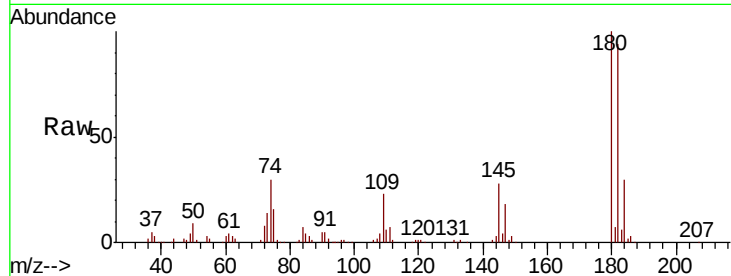
Ion Ratio Lower Upper

180 100

182 95.3 75.3 112.9

184 31.1 25.1 37.7

145 27.7 21.8 32.8

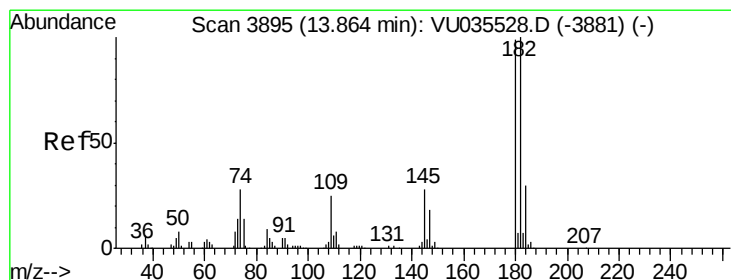
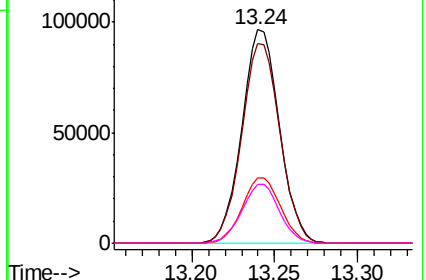
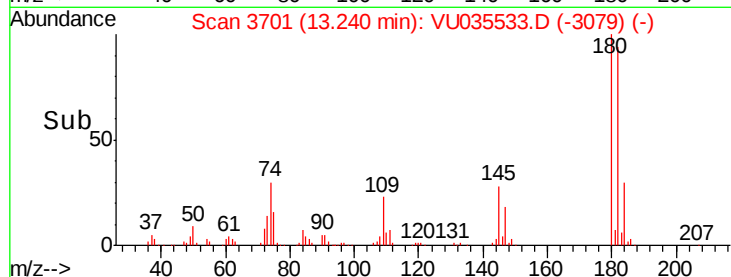


Abundance Ion 180.00 (179.70 to 180.70): V

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: 5.199 ug/L

RT: 13.86 min Scan# 3895

Delta R.T. 0.00 min

Lab File: VU035533.D

Acq: 28 Oct 2019 13:30

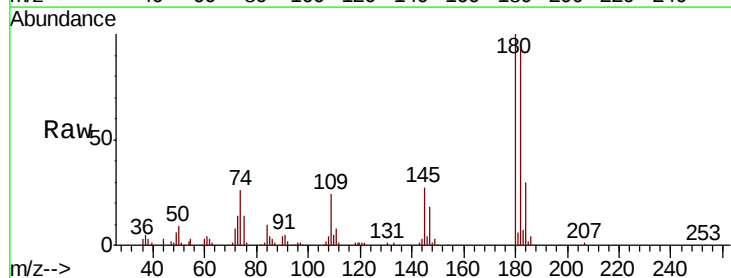
Tgt Ion:180 Resp: 85335

Ion Ratio Lower Upper

180 100

182 94.7 78.7 118.1

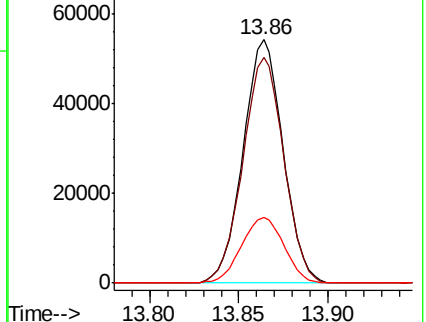
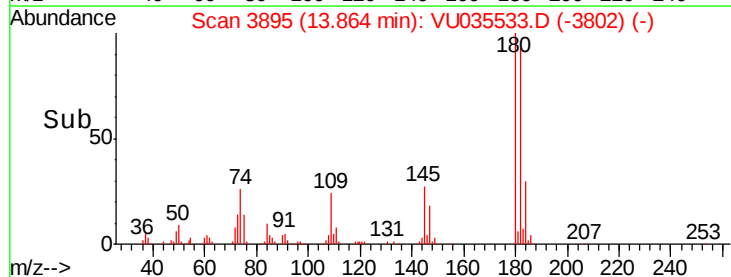
145 28.6 23.4 35.2

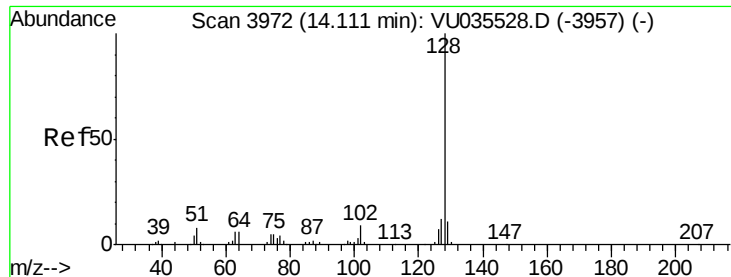


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.139 ug/L

RT: 14.11 min Scan# 3972

Delta R.T. 0.00 min

Lab File: VU035533.D

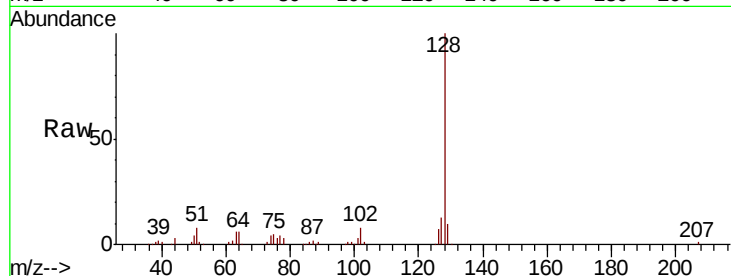
Acq: 28 Oct 2019 13:30

Instrument :

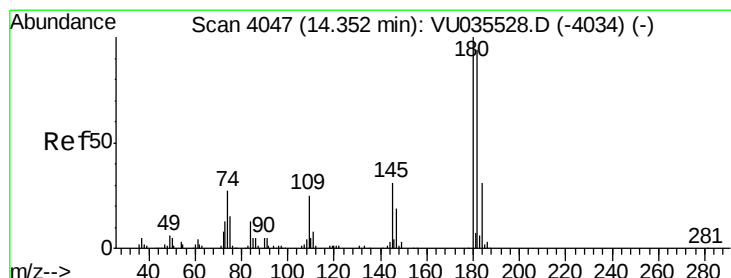
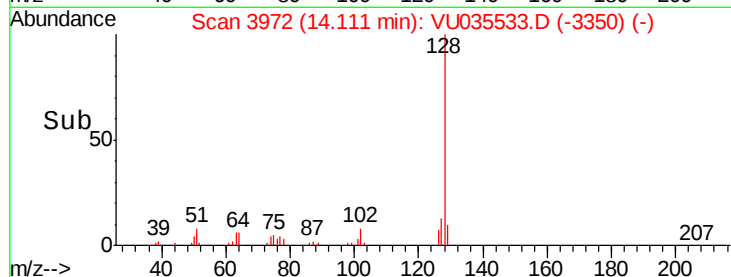
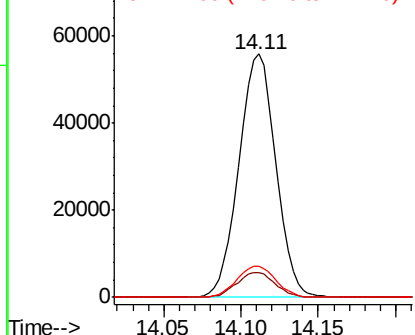
MSVOA_U

ClientSampleId :

Tot Ion:128	Resp:	92757
Ion	Ratio	Lower Upper
128	100	
129	10.6	8.9 13.3
127	13.4	10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.110 ug/L

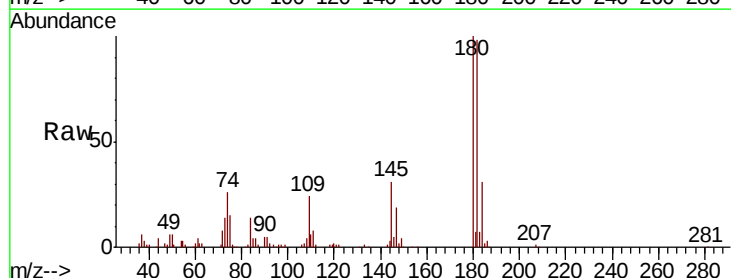
RT: 14.35 min Scan# 4047

Delta R.T. 0.00 min

Lab File: VU035533.D

Acq: 28 Oct 2019 13:30

Tgt Ion:180	Resp:	83557
Ion	Ratio	Lower Upper
180	100	
182	96.9	76.6 114.8
145	30.8	23.8 35.8



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

