

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121319\
 Data File : VU036196.D
 Acq On : 13 Dec 2019 14:35
 Operator : JC/MD
 Sample : VSTDICV005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV06

Quant Time: Dec 14 01:06:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121319WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Dec 14 01:03:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	295299	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	309105	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	160192	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	128440	4.94	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.80%
7) Chloroethane-d5	1.93	69	112565	4.83	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.60%
11) 1,1-Dichloroethene-d2	2.59	63	182084	4.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.00%
20) 2-Butanone-d5	4.70	46	251250	51.57	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.14%
24) Chloroform-d	5.11	84	198809	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.00%
26) 1,2-Dichloroethane-d4	5.75	65	102085	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.00%
32) Benzene-d6	5.77	84	383284	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.60%
36) 1,2-Dichloropropane-d6	6.73	67	119929	4.90	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.00%
41) Toluene-d8	7.93	98	374100	5.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.40%
43) trans-1,3-Dichloropropene-	8.21	79	53584	5.32	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	106.40%
46) 2-Hexanone-d5	8.67	63	213200	55.35	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.70%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	108259	4.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.80%
64) 1,2-Dichlorobenzene-d4	12.21	152	151649	4.94	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	157192	4.769	ug/L 99
3) Chloromethane	1.54	50	183413	4.435	ug/L 99
5) Vinyl chloride	1.62	62	193043	4.920	ug/L 97
6) Bromomethane	1.87	94	99171	5.058	ug/L 96
8) Chloroethane	1.95	64	112966	4.821	ug/L 98
9) Trichlorofluoromethane	2.16	101	233542	4.723	ug/L 97
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	111250	4.696	ug/L 100
12) 1,1-Dichloroethene	2.61	96	108877	4.970	ug/L 96
13) Acetone	2.68	43	181283	42.697	ug/L 98
14) Carbon disulfide	2.82	76	344125	4.682	ug/L 99
15) Methyl Acetate	3.00	43	43063	5.020	ug/L 98
16) Methylene chloride	3.08	84	130212	4.043	ug/L 98
17) Methyl tert-butyl Ether	3.41	73	237938	5.068	ug/L 100
18) trans-1,2-Dichloroethene	3.39	96	113657	4.954	ug/L 97
19) 1,1-Dichloroethane	3.92	63	202651	4.784	ug/L 100
21) 2-Butanone	4.77	43	285101	50.251	ug/L 100
22) cis-1,2-Dichloroethene	4.72	96	119560	4.858	ug/L 99

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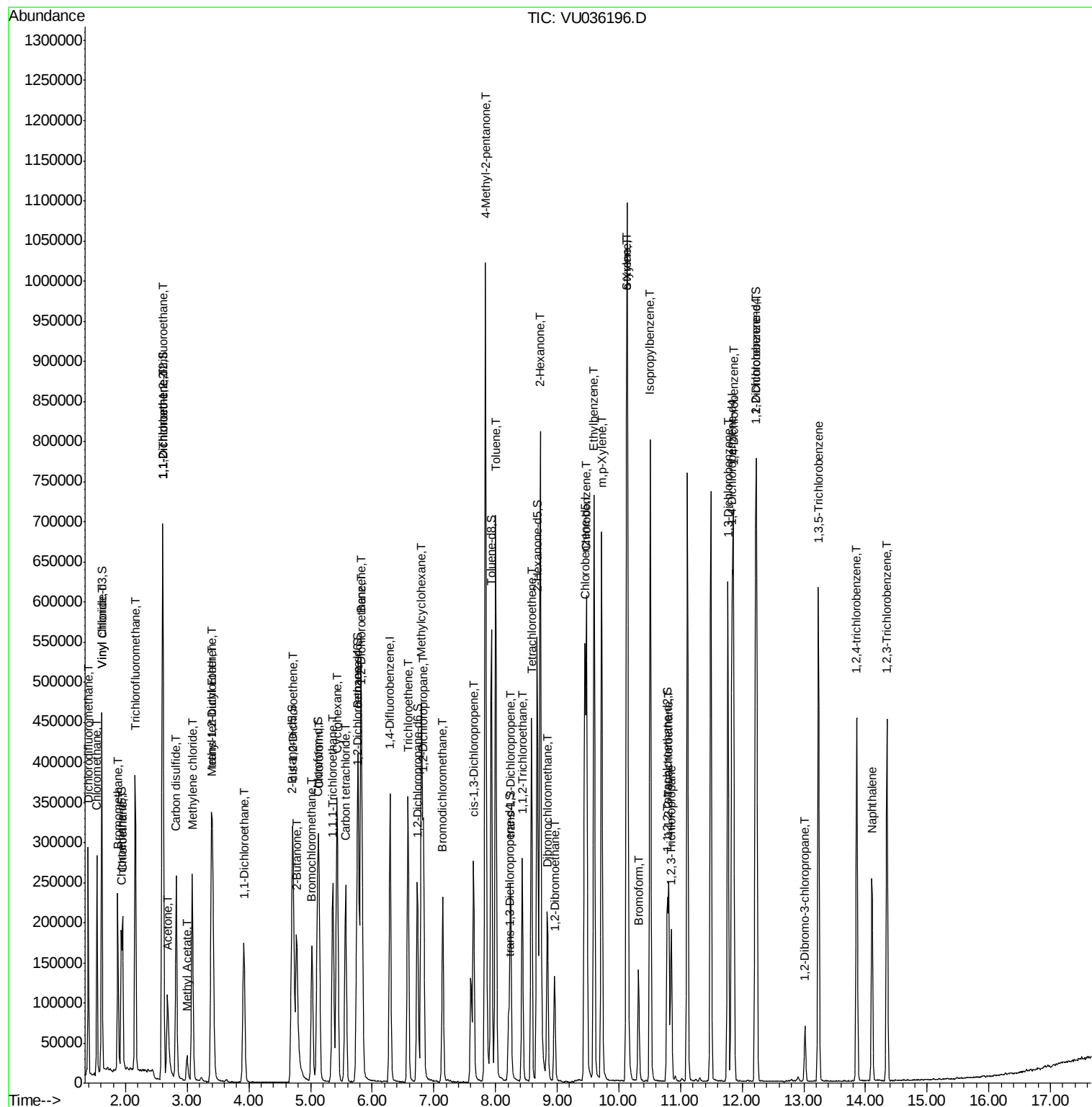
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	56057	4.707	ug/L	96
25) Chloroform	5.13	83	212543	4.639	ug/L	99
27) 1,2-Dichloroethane	5.84	62	130802	4.813	ug/L	97
29) 1,1,1-Trichloroethane	5.36	97	183629	4.826	ug/L	100
30) Cyclohexane	5.43	56	166577	5.145	ug/L	98
31) Carbon tetrachloride	5.57	117	164608	4.744	ug/L	99
33) Benzene	5.82	78	472410	4.973	ug/L	100
34) Trichloroethene	6.58	95	122835	5.015	ug/L	97
35) Methylcyclohexane	6.80	83	178279	5.120	ug/L	99
37) 1,2-Dichloropropane	6.83	63	117947	4.867	ug/L	99
38) Bromodichloromethane	7.14	83	150984	4.787	ug/L	100
39) cis-1,3-Dichloropropene	7.64	75	168763	5.111	ug/L	98
40) 4-Methyl-2-pentanone	7.84	43	671398	52.962	ug/L	98
42) Toluene	8.00	91	517499	5.082	ug/L	98
44) trans-1,3-Dichloropropene	8.24	75	144244	5.200	ug/L	100
45) 1,1,2-Trichloroethane	8.44	97	89953	4.953	ug/L	93
47) Tetrachloroethene	8.58	164	108381	4.900	ug/L	95
48) 2-Hexanone	8.73	43	519511	54.913	ug/L	99
49) Dibromochloromethane	8.84	129	108998	4.856	ug/L	100
50) 1,2-Dibromoethane	8.96	107	86331	4.984	ug/L	94
51) Chlorobenzene	9.47	112	327198	4.866	ug/L	98
52) Ethylbenzene	9.60	91	523238	5.116	ug/L	99
53) m,p-Xylene	9.72	106	207323	5.261	ug/L	97
54) o-Xylene	10.13	106	198457	5.222	ug/L	95
55) Styrene	10.14	104	345436	5.136	ug/L	99
56) Isopropylbenzene	10.51	105	510930	5.235	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.81	83	114562	4.955	ug/L	99
59) 1,2,3-Trichloropropane	10.85	75	80584	5.003	ug/L	95
61) Bromoform	10.32	173	67390	4.846	ug/L	99
62) 1,3-Dichlorobenzene	11.77	146	275211	5.092	ug/L	99
63) 1,4-Dichlorobenzene	11.86	146	278088	5.188	ug/L	97
65) 1,2-Dichlorobenzene	12.23	146	256083	4.973	ug/L	96
66) 1,2-Dibromo-3-chloropropan	13.02	75	17389	5.084	ug/L	86
67) 1,3,5-Trichlorobenzene	13.24	180	202429	4.999	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	144539	5.433	ug/L	96
69) Naphthalene	14.11	128	200947	5.937	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	145702	5.663	ug/L	100

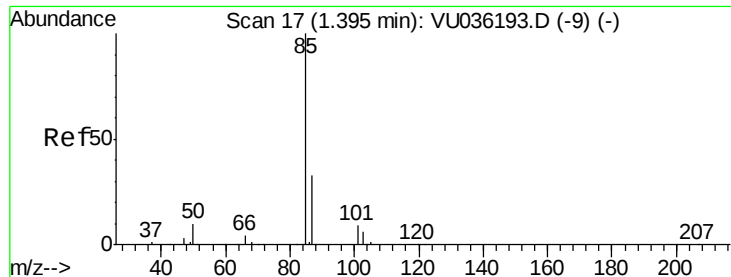
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.769 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU036196.D

Acq: 13 Dec 2019 14:35

Instrument :

MSVOA_U

ClientSampleId :

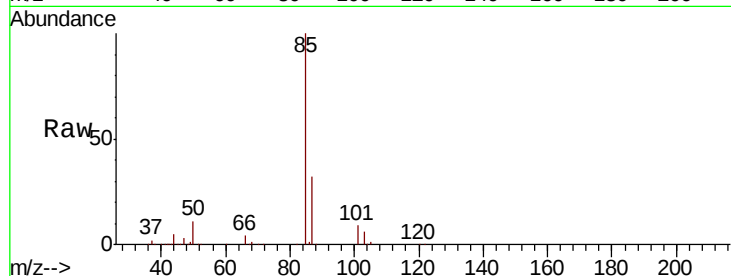
VICV06

Tot Ion: 85 Resp: 157192

Ion Ratio Lower Upper

85 100

87 32.4 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VU036196.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU036196.D (-9) (-)

1.39

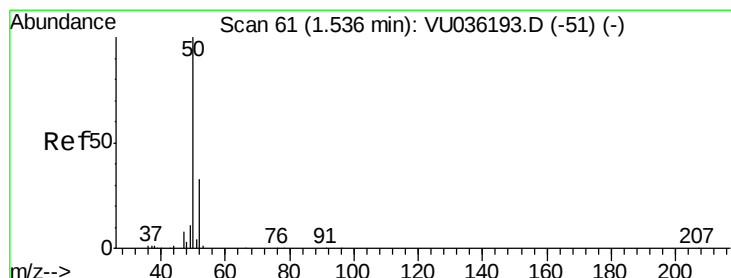
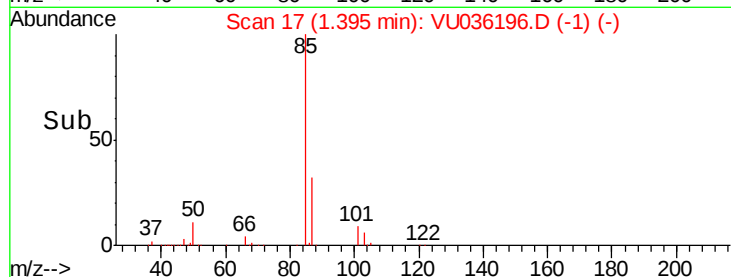
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 4.435 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU036196.D

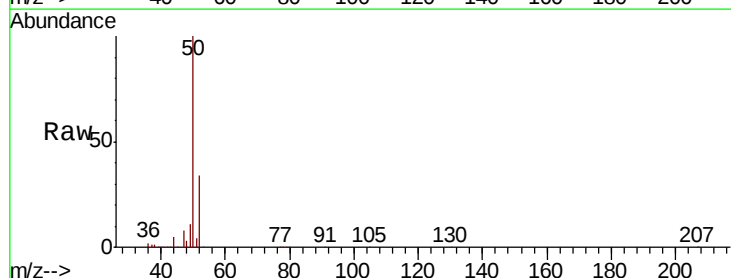
Acq: 13 Dec 2019 14:35

Tgt Ion: 50 Resp: 183413

Ion Ratio Lower Upper

50 100

52 33.7 23.1 42.9



Abundance Ion 50.05 (49.75 to 50.75): VU036196.D (-51) (-)

Ion 52.05 (51.75 to 52.75): VU036196.D (-51) (-)

1.54

200000

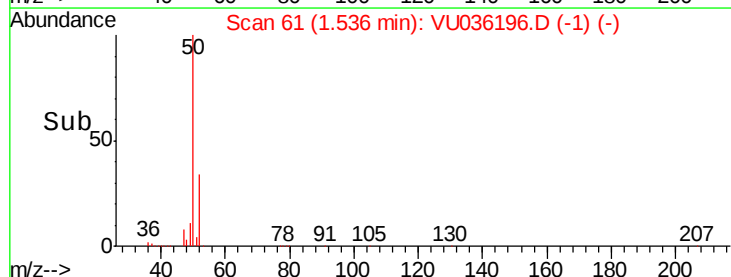
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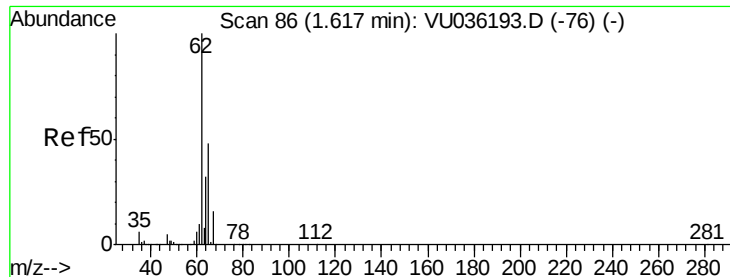
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 4.920 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU036196.D

Acq: 13 Dec 2019 14:35

Instrument :

MSVOA_U

ClientSampleId :

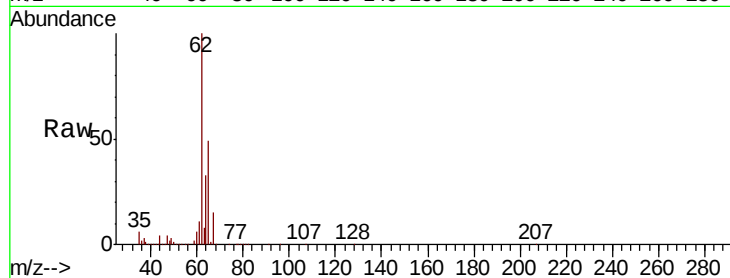
VICV06

Tot Ion: 62 Resp: 193043

Ion Ratio Lower Upper

62 100

64 33.5 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VU036196.D (-76) (-)

Ion 64.10 (63.80 to 64.80): VU036196.D (-76) (-)

1.62

200000

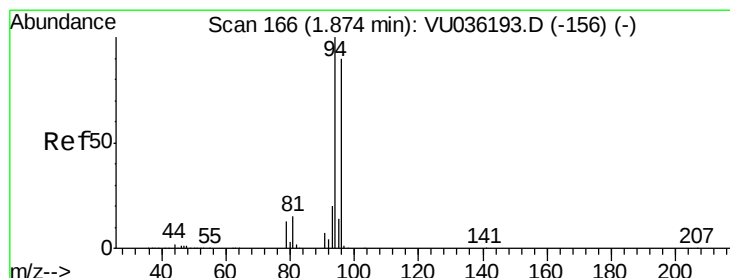
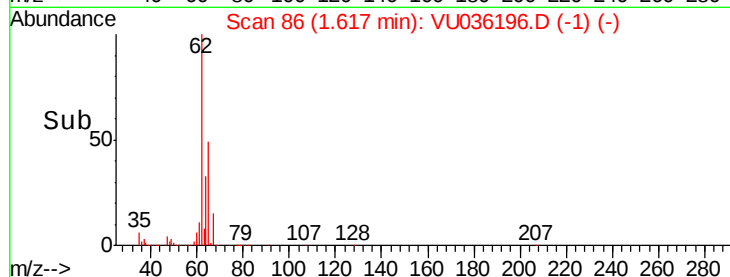
150000

100000

50000

0

Time--> 1.55 1.60 1.65 1.70



#6

Bromomethane

Concen: 5.058 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU036196.D

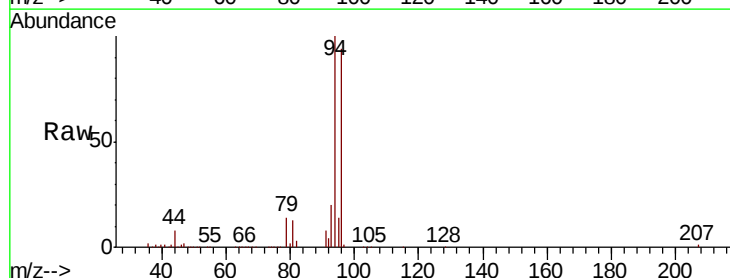
Acq: 13 Dec 2019 14:35

Tgt Ion: 94 Resp: 99171

Ion Ratio Lower Upper

94 100

96 94.0 62.9 116.9



Abundance Ion 94.00 (93.70 to 94.70): VU036196.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU036196.D (-156) (-)

1.87

80000

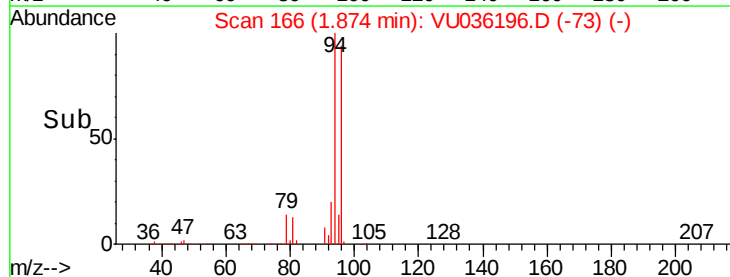
60000

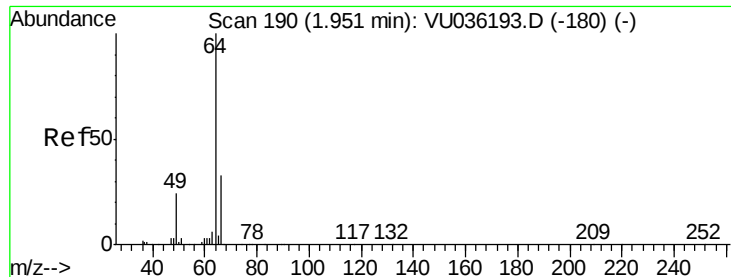
40000

20000

0

Time--> 1.80 1.85 1.90 1.95

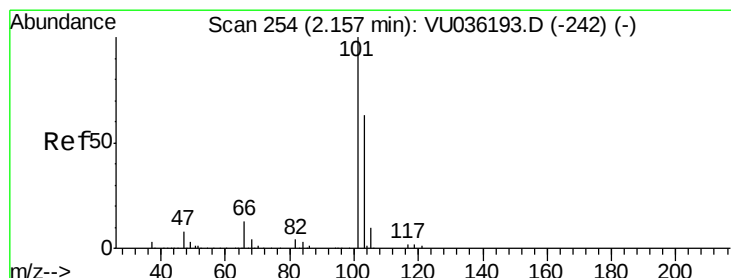
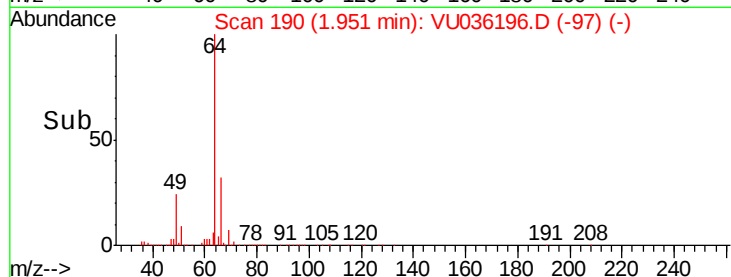
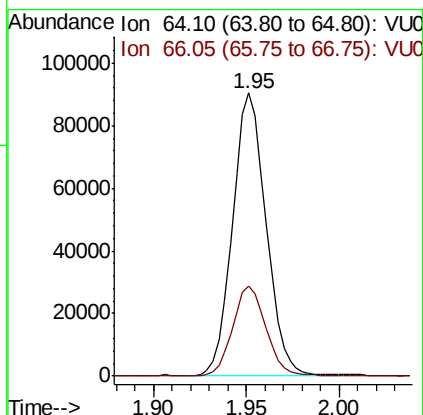
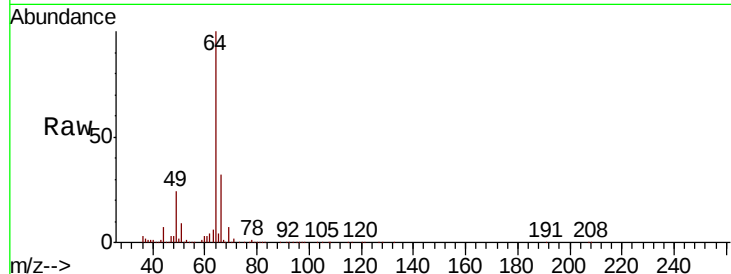




#8
Chloroethane
Concen: 4.821 ug/L
RT: 1.95 min Scan# 190
Delta R.T. 0.00 min
Lab File: VU036196.D
Acq: 13 Dec 2019 14:35

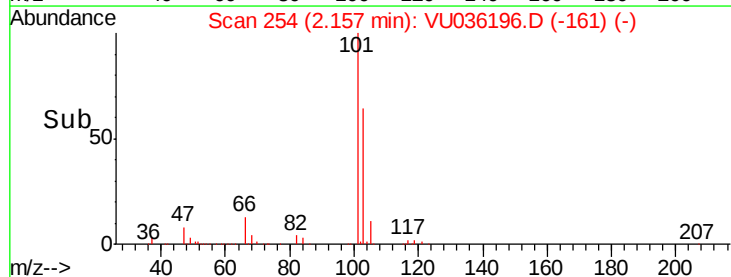
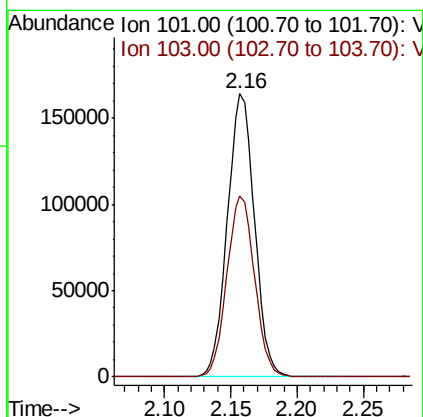
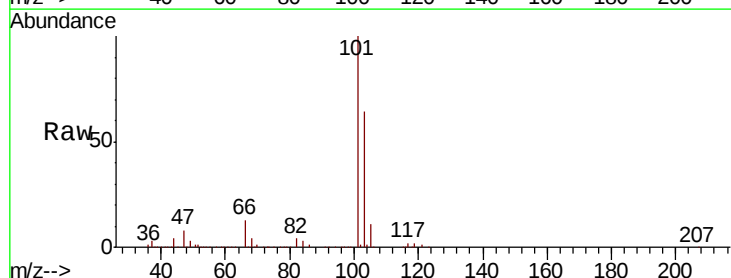
Instrument :
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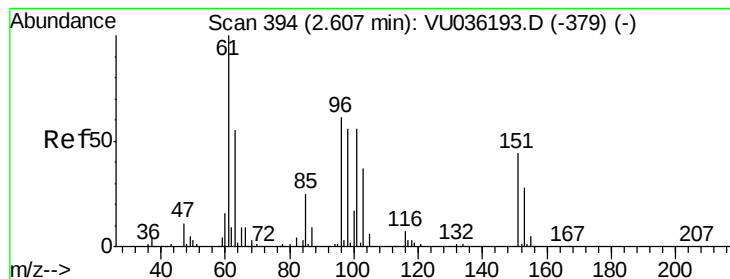
Tot Ion: 64 Resp: 112966
Ion Ratio Lower Upper
64 100
66 31.6 23.1 42.9



#9
Trichlorofluoromethane
Concen: 4.723 ug/L
RT: 2.16 min Scan# 254
Delta R.T. 0.00 min
Lab File: VU036196.D
Acq: 13 Dec 2019 14:35

Tgt Ion:101 Resp: 233542
Ion Ratio Lower Upper
101 100
103 65.3 50.4 75.6





#10

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

Concen: 4.696 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU036196.D

Acq: 13 Dec 2019 14:35

Instrument :

MSVOA_U

ClientSampleId :

VICV06

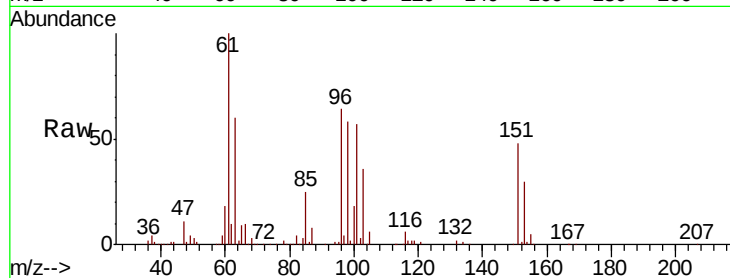
Tot Ion:101 Resp: 111250

Ion Ratio Lower Upper

101 100

85 43.5 35.0 52.6

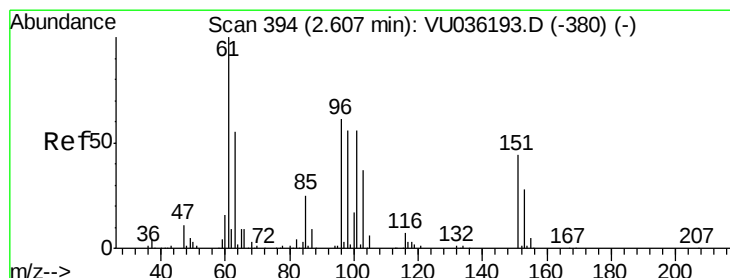
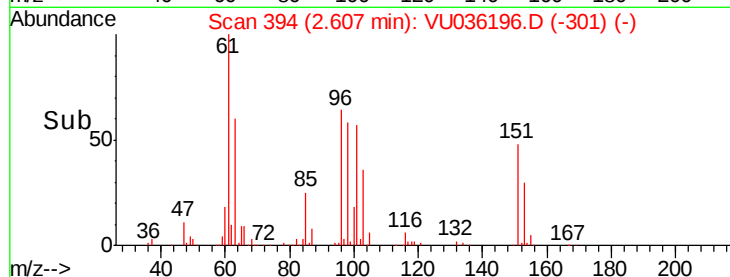
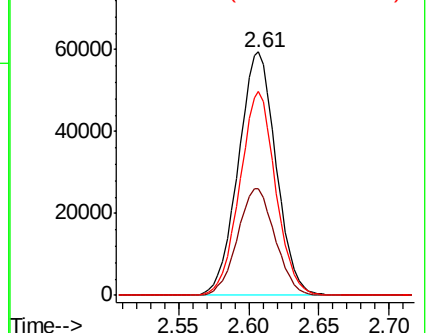
151 79.6 63.9 95.9



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: 4.970 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU036196.D

Acq: 13 Dec 2019 14:35

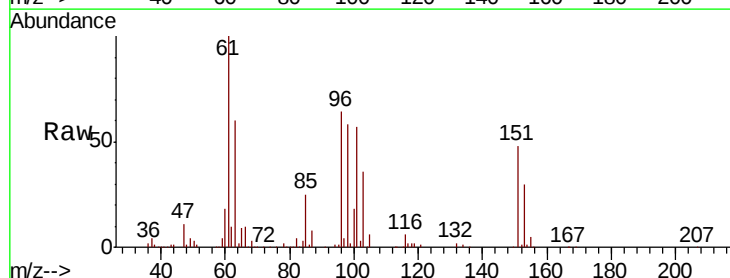
Tgt Ion: 96 Resp: 108877

Ion Ratio Lower Upper

96 100

61 156.0 114.0 211.8

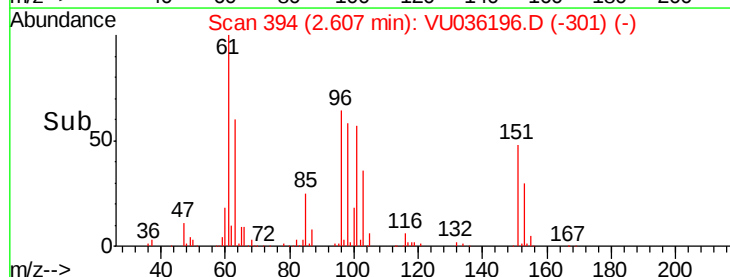
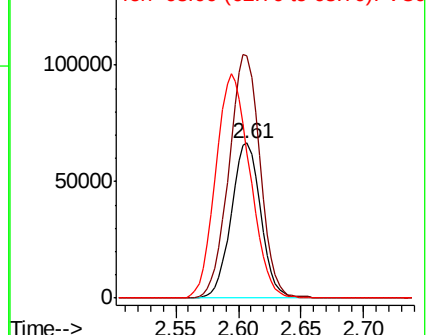
63 93.3 63.6 118.0

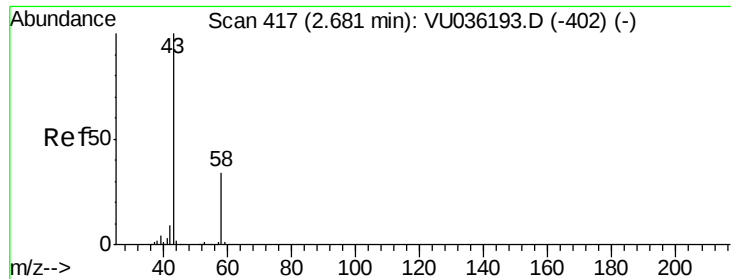


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 42.697 ug/L

RT: 2.68 min Scan# 417

Delta R.T. 0.00 min

Lab File: VU036196.D

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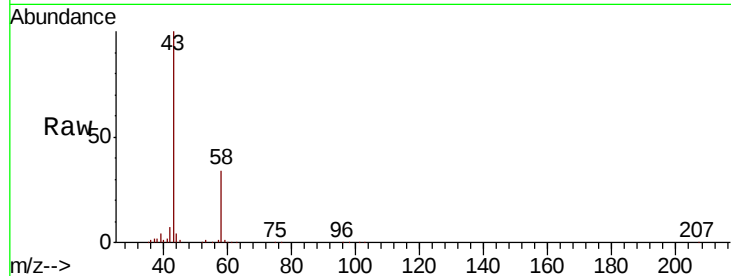
VICV06

Tot Ion: 43 Resp: 181283

Ion Ratio Lower Upper

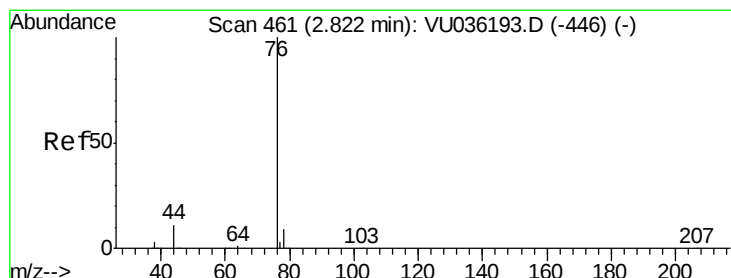
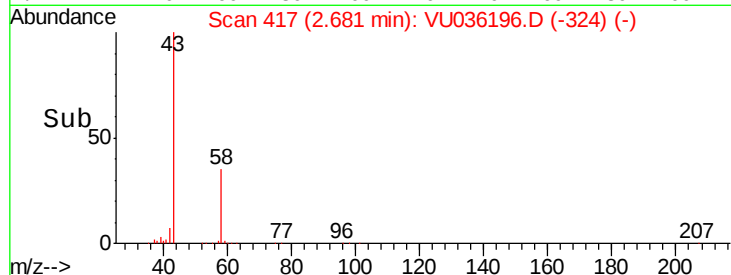
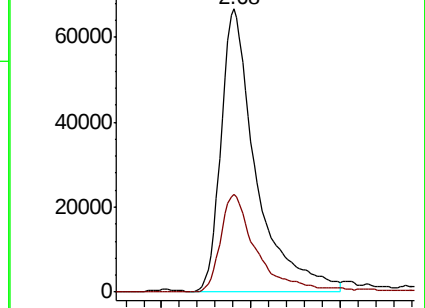
43 100

58 34.9 0.0 67.6



Abundance Ion 43.05 (42.75 to 43.75): VU036196.D (-324) (-)

Ion 58.05 (57.75 to 58.75): VU036196.D (-324) (-)



#14

Carbon disulfide

Concen: 4.682 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU036196.D

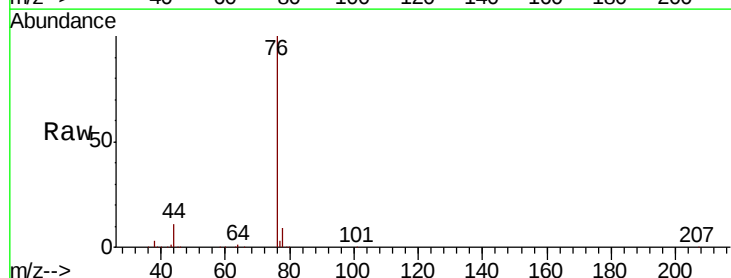
Acq: 13 Dec 2019 14:35

Tgt Ion: 76 Resp: 344125

Ion Ratio Lower Upper

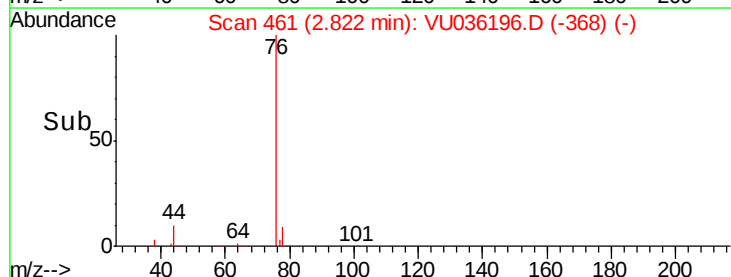
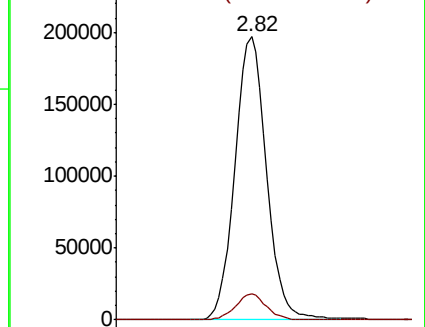
76 100

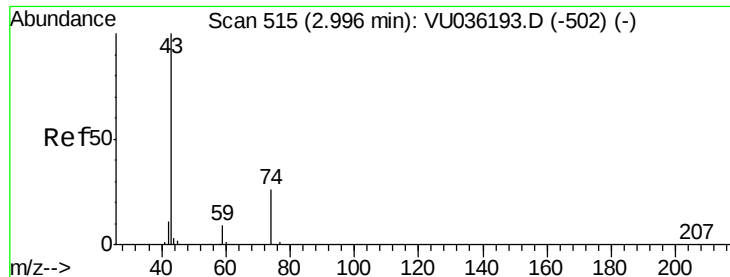
78 9.3 7.1 10.7



Abundance Ion 76.05 (75.75 to 76.75): VU036196.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VU036196.D (-368) (-)

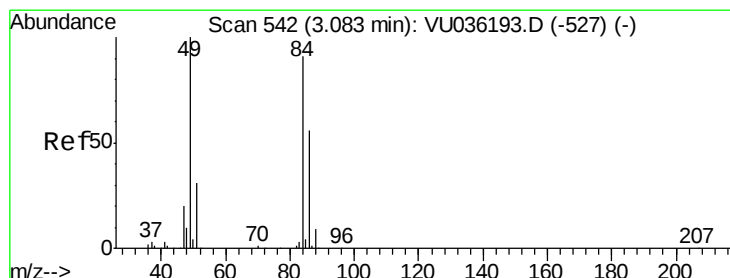
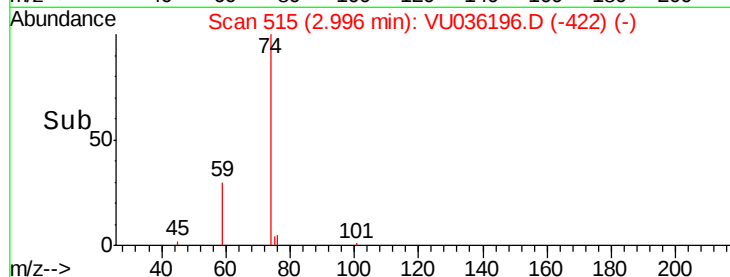
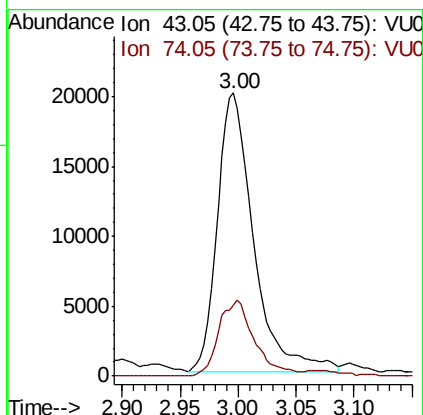
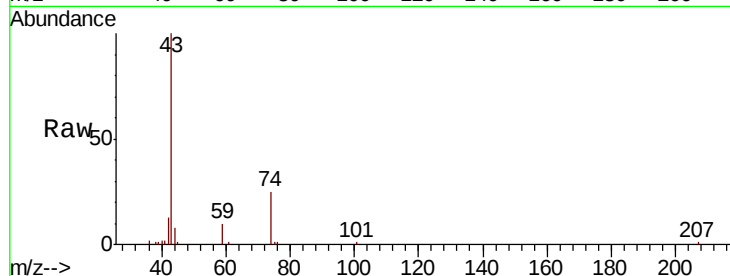




#15
Methvl Acetate
Concen: 5.020 ug/L
RT: 3.00 min Scan# 515
Delta R.T. 0.00 min
Lab File: VU036196.D
Acq: 13 Dec 2019 14:35

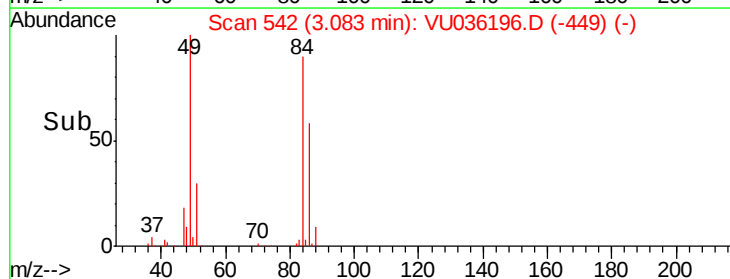
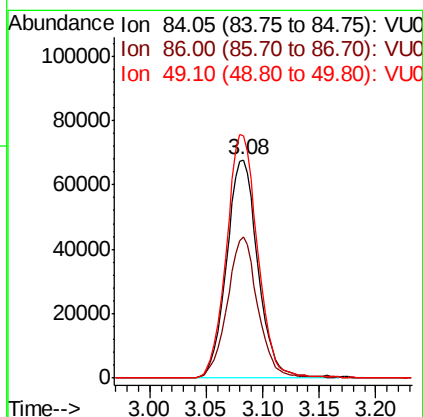
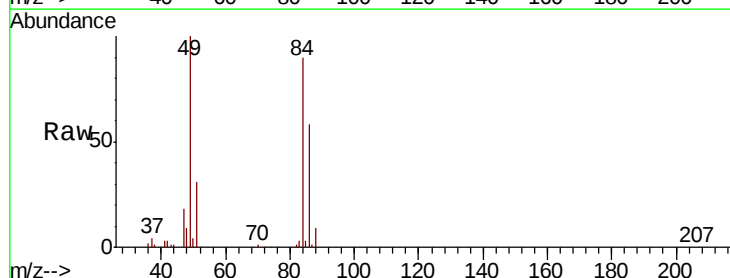
Instrument :
MSVOA_U
ClientSampleId :
VICV06

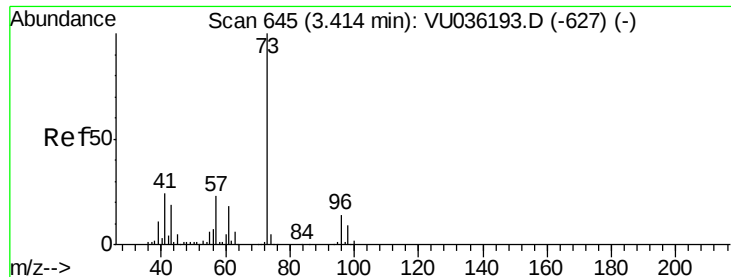
Tot Ion: 43 Resp: 43063
Ion Ratio Lower Upper
43 100
74 27.1 20.8 31.2



#16
Methylene chloride
Concen: 4.043 ug/L
RT: 3.08 min Scan# 542
Delta R.T. 0.00 min
Lab File: VU036196.D
Acq: 13 Dec 2019 14:35

Tgt Ion: 84 Resp: 130212
Ion Ratio Lower Upper
84 100
86 64.4 43.0 79.8
49 111.1 77.3 143.5



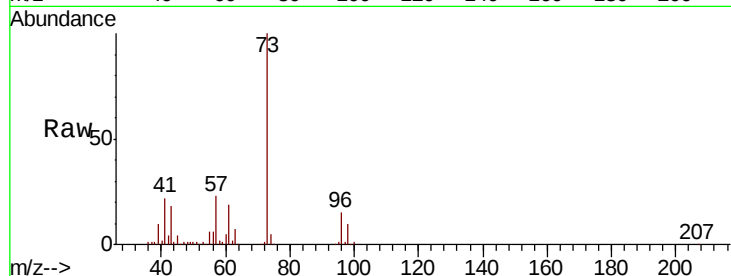


#17

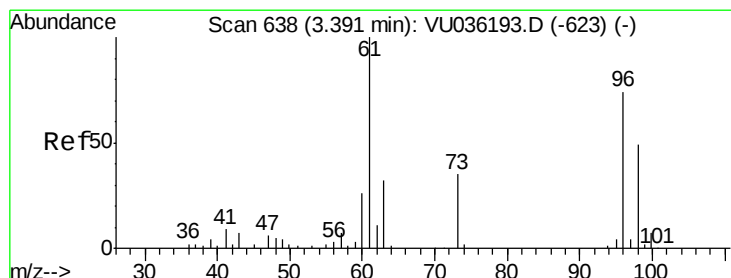
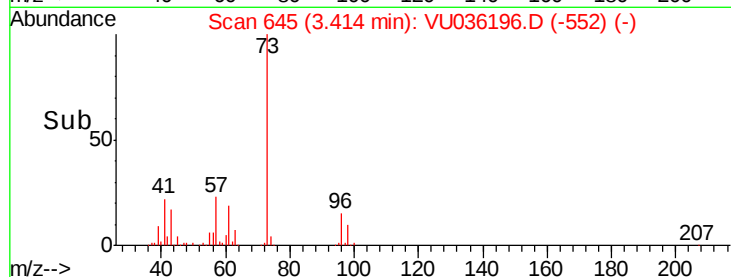
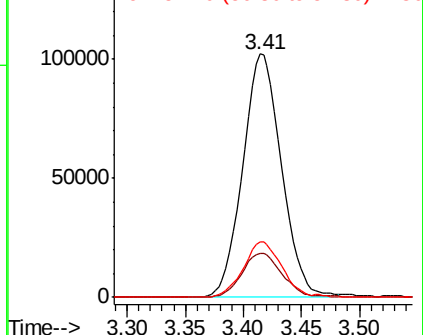
Methyl tert-butyl Ether
 Concen: 5.068 ug/L
 RT: 3.41 min Scan# 645
 Delta R.T. 0.00 min
 Lab File: VU036196.D
 Acq: 13 Dec 2019 14:35

Instrument :
 MSVOA_U
 ClientSampled :
 VICV06

Tot Ion	Ratio	Lower	Upper
73	100		
43	18.9	15.3	22.9
57	22.6	18.2	27.2



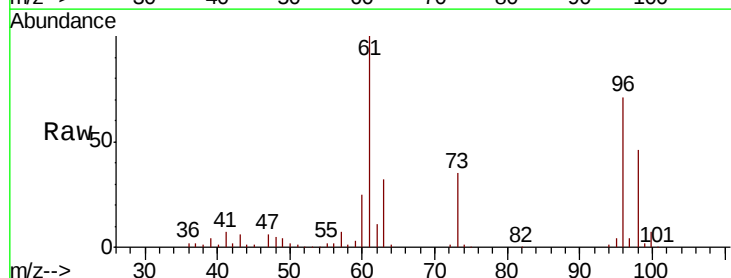
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



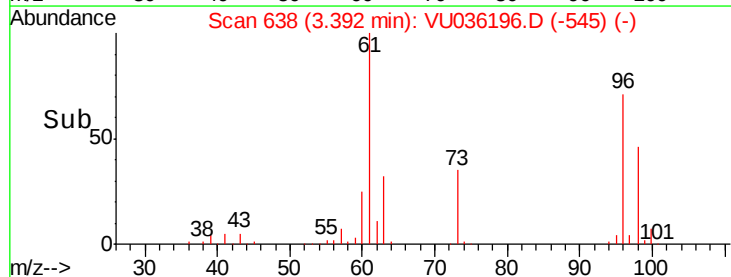
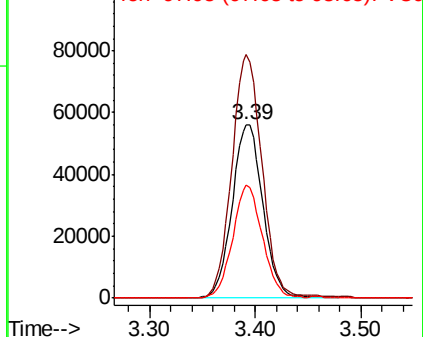
#18

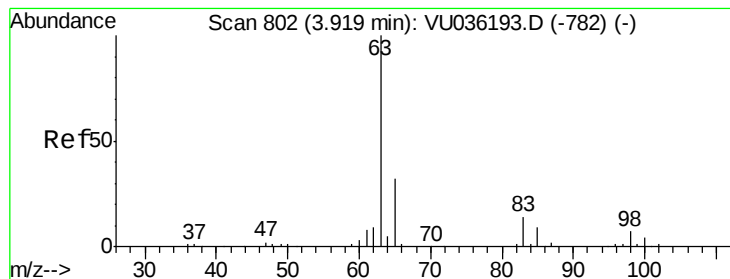
trans-1,2-Dichloroethene
 Concen: 4.954 ug/L
 RT: 3.39 min Scan# 638
 Delta R.T. 0.00 min
 Lab File: VU036196.D
 Acq: 13 Dec 2019 14:35

Tgt Ion	Ratio	Lower	Upper
96	100		
61	140.2	94.8	176.2
98	65.0	46.8	86.8



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: 4.784 ug/L

RT: 3.92 min Scan# 802

Delta R.T. 0.00 min

Lab File: VU036196.D

Acq: 13 Dec 2019 14:35

Instrument :

MSVOA_U

ClientSampled :

VICV06

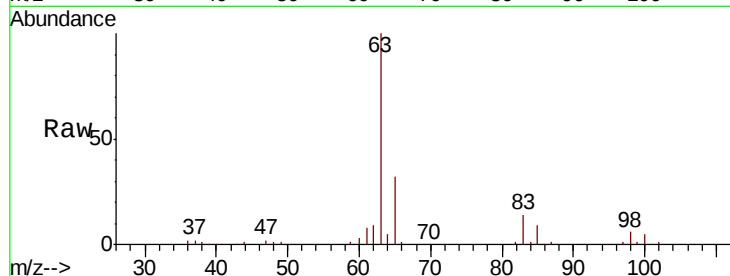
Tot Ion: 63 Resp: 202651

Ion Ratio Lower Upper

63 100

65 32.2 22.6 42.0

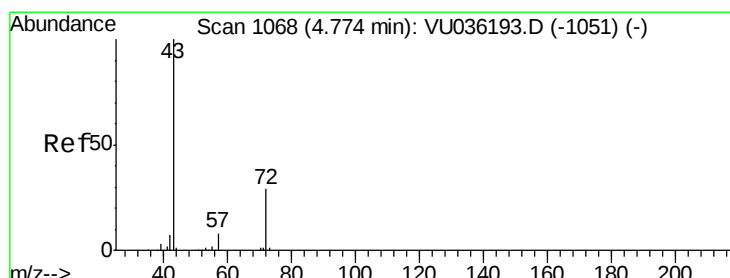
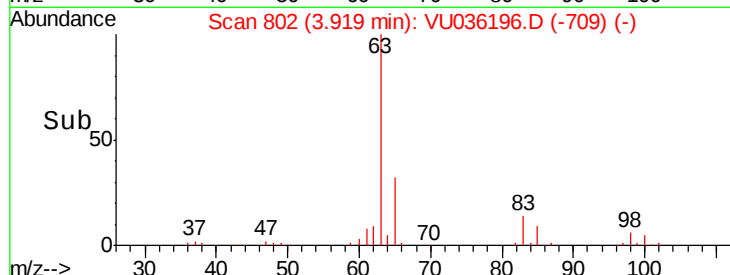
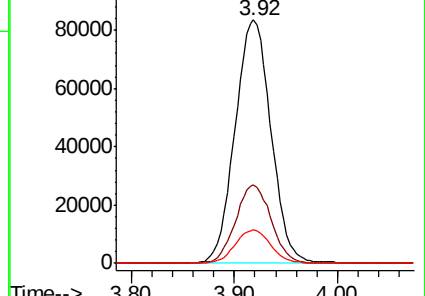
83 13.7 9.7 18.1



Abundance Ion 63.10 (62.80 to 63.80): VU036196.D (-709) (-)

Ion 65.10 (64.80 to 65.80): VU036196.D (-709) (-)

Ion 83.05 (82.75 to 83.75): VU036196.D (-709) (-)



#21

2-Butanone

Concen: 50.251 ug/L

RT: 4.77 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VU036196.D

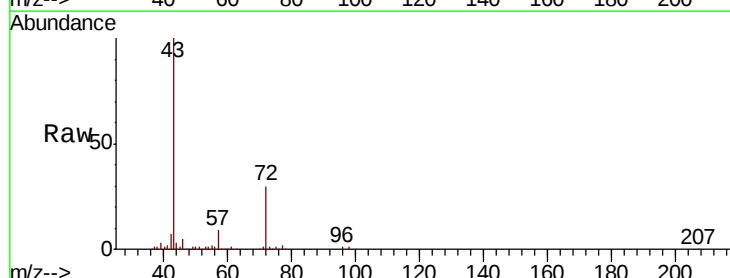
Acq: 13 Dec 2019 14:35

Tgt Ion: 43 Resp: 285101

Ion Ratio Lower Upper

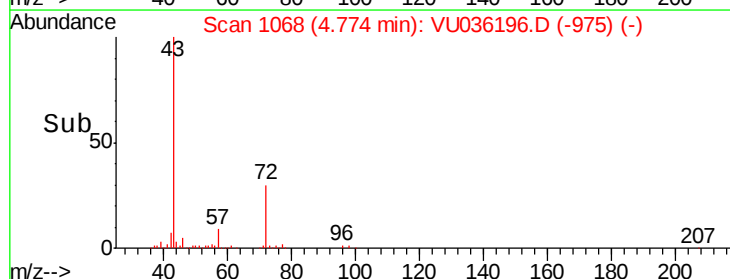
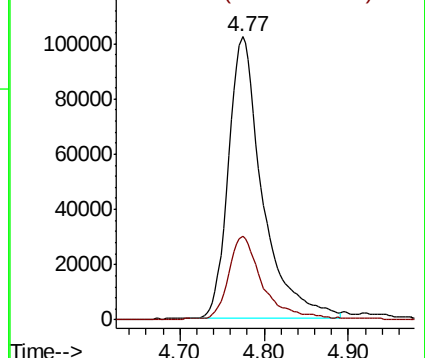
43 100

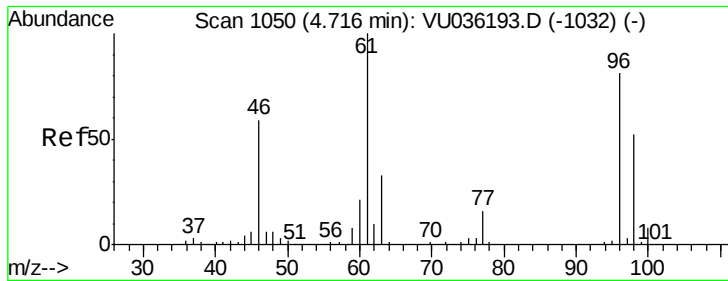
72 29.0 14.4 43.4



Abundance Ion 43.05 (42.75 to 43.75): VU036196.D (-975) (-)

Ion 72.10 (71.80 to 72.80): VU036196.D (-975) (-)





#22

cis-1,2-Dichloroethene

Concen: 4.858 ug/L

RT: 4.72 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VU036196.D

Acq: 13 Dec 2019 14:35

Instrument :

MSVOA_U

ClientSampleId :

VICV06

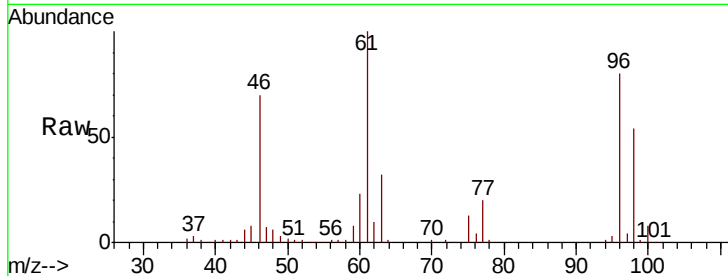
Tot Ion: 96 Resp: 119560

Ion Ratio Lower Upper

96 100

61 124.5 86.7 161.1

68 0.0 0.0 0.0

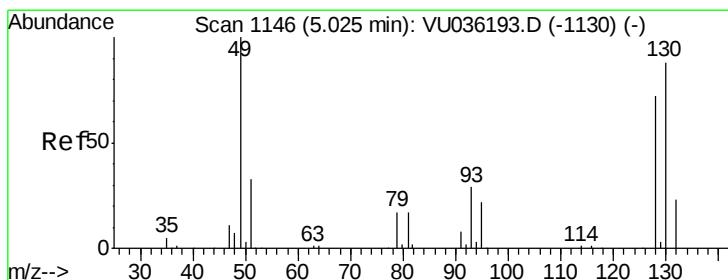
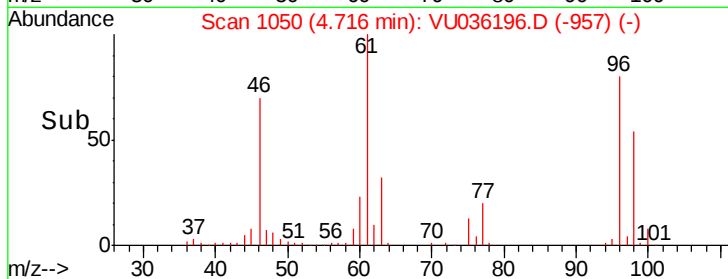
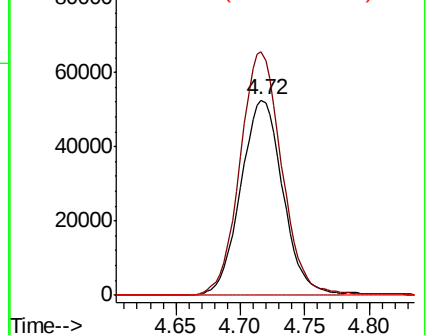


Abundance

Ion 96.00 (95.70 to 96.70): VU036196.D (-957) (-)

Ion 61.05 (60.75 to 61.75): VU036196.D (-957) (-)

Ion 68.15 (67.85 to 68.85): VU036196.D (-957) (-)



#23

Bromochloromethane

Concen: 4.707 ug/L

RT: 5.02 min Scan# 1145

Delta R.T. -0.00 min

Lab File: VU036196.D

Acq: 13 Dec 2019 14:35

Tgt Ion: 128 Resp: 56057

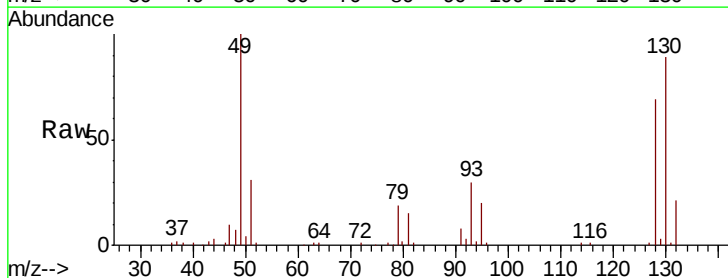
Ion Ratio Lower Upper

128 100

49 144.4 97.6 181.4

130 127.9 85.9 159.5

51 45.3 37.0 55.4



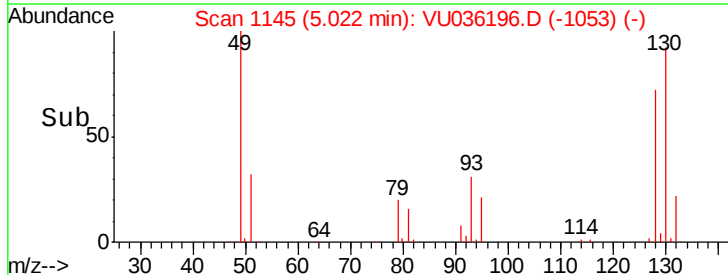
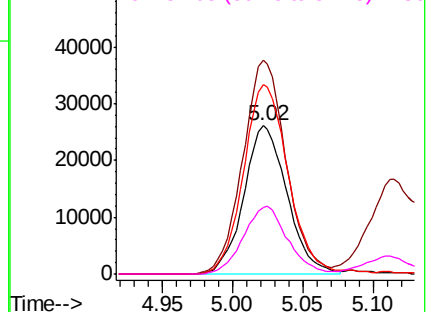
Abundance

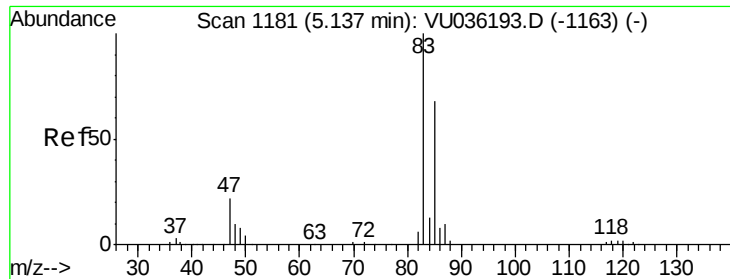
Ion 127.90 (127.60 to 128.60): VU036196.D (-1053) (-)

Ion 49.10 (48.80 to 49.80): VU036196.D (-1053) (-)

Ion 129.95 (129.65 to 130.65): VU036196.D (-1053) (-)

Ion 51.05 (50.75 to 51.75): VU036196.D (-1053) (-)

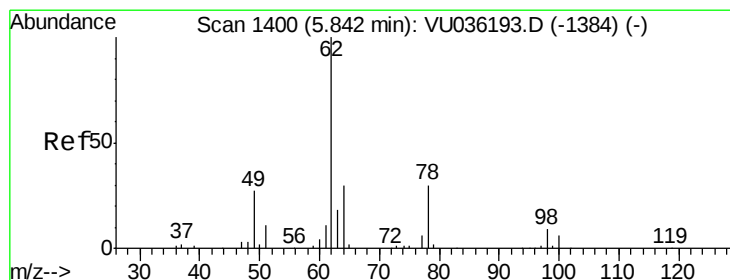
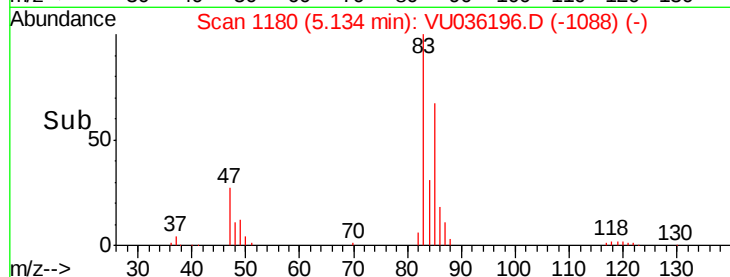
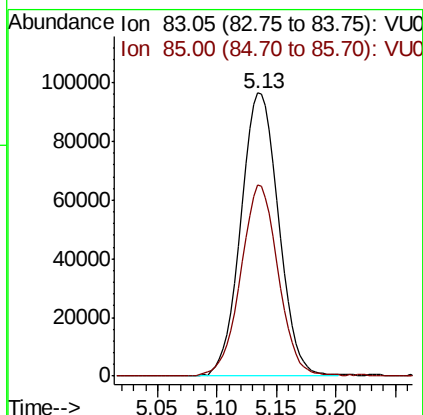
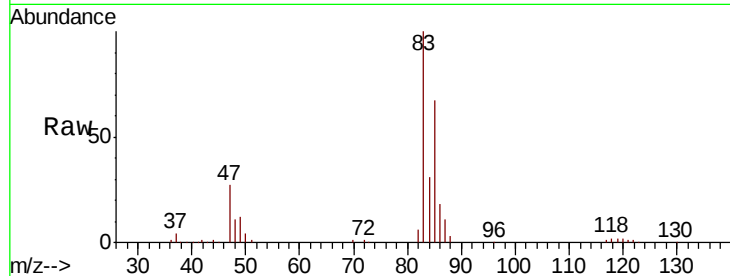




#25
Chloroform
Concen: 4.639 ug/L
RT: 5.13 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VU036196.D
Acq: 13 Dec 2019 14:35

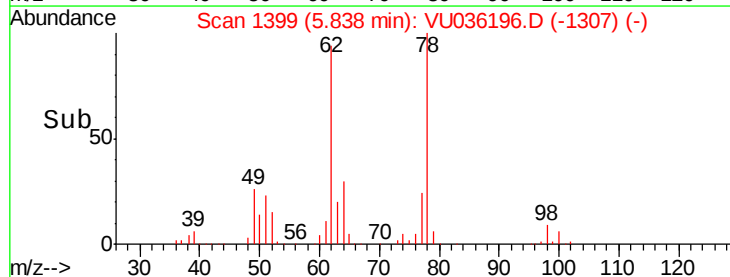
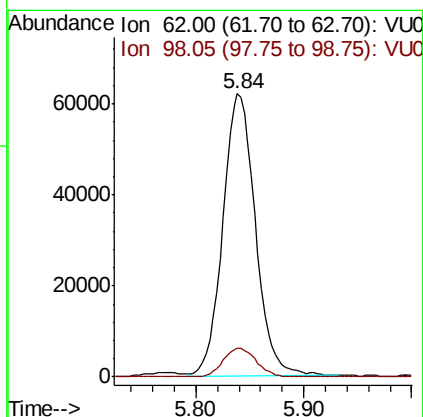
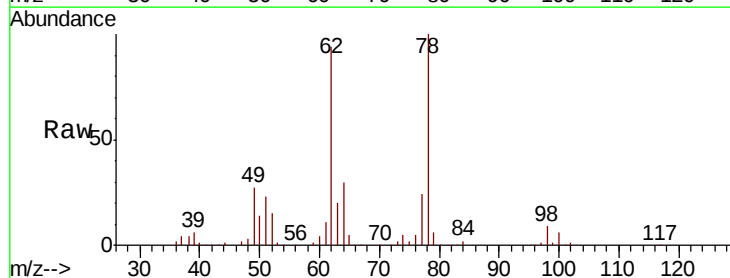
Instrument :
MSVOA_U
ClientSampled :
VICV06

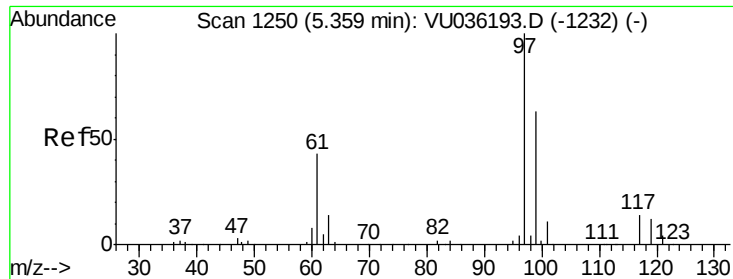
Tot Ion: 83 Resp: 212543
Ion Ratio Lower Upper
83 100
85 67.4 47.5 88.1



#27
1,2-Dichloroethane
Concen: 4.813 ug/L
RT: 5.84 min Scan# 1399
Delta R.T. -0.00 min
Lab File: VU036196.D
Acq: 13 Dec 2019 14:35

Tgt Ion: 62 Resp: 130802
Ion Ratio Lower Upper
62 100
98 10.1 7.3 10.9

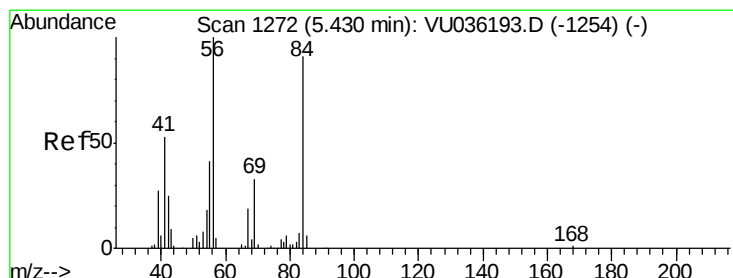
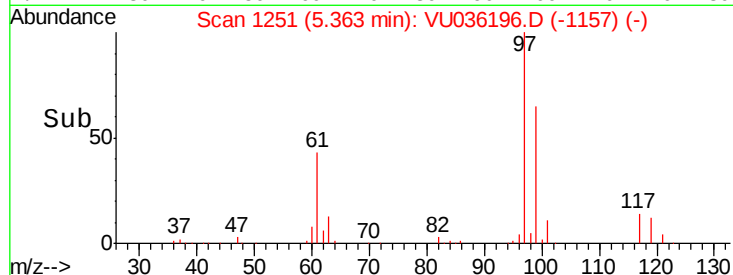
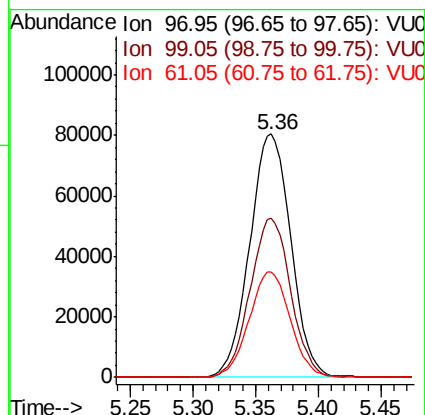
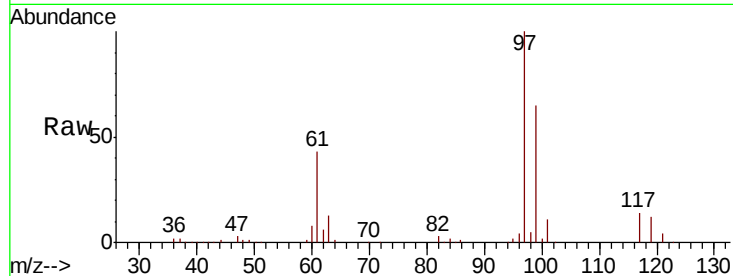




#29
 1,1,1-Trichloroethane
 Concen: 4.826 ug/L
 RT: 5.36 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VU036196.D
 Acq: 13 Dec 2019 14:35

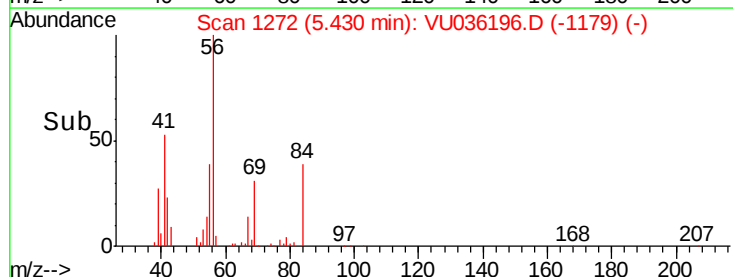
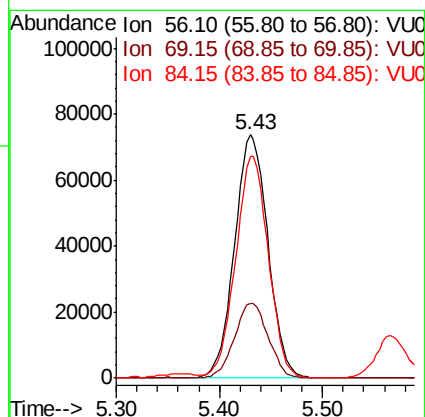
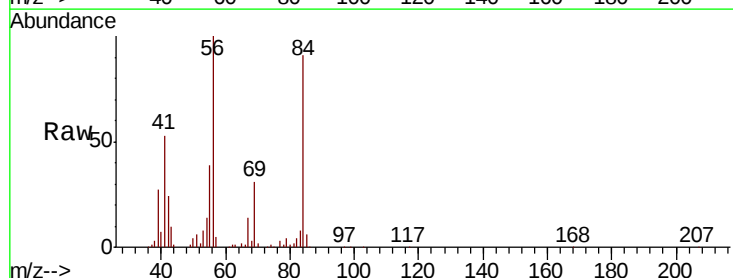
Instrument :
 MSVOA_U
 ClientSampled :
 VICV06

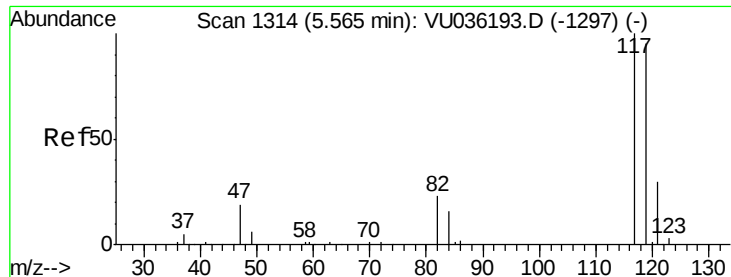
Tot Ion: 97 Resp: 183629
 Ion Ratio Lower Upper
 97 100
 99 64.1 51.4 77.2
 61 43.4 35.0 52.6



#30
 Cyclohexane
 Concen: 5.145 ug/L
 RT: 5.43 min Scan# 1272
 Delta R.T. 0.00 min
 Lab File: VU036196.D
 Acq: 13 Dec 2019 14:35

Tgt Ion: 56 Resp: 166577
 Ion Ratio Lower Upper
 56 100
 69 31.0 25.6 38.4
 84 88.9 73.0 109.4





#31

Carbon tetrachloride

Concen: 4.744 ug/L

RT: 5.57 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VU036196.D

Acq: 13 Dec 2019 14:35

Instrument :

MSVOA_U

ClientSampleId :

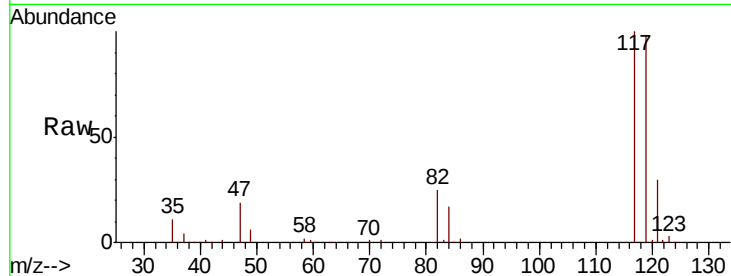
VICV06

Tot Ion:117 Resp: 164608

Ion Ratio Lower Upper

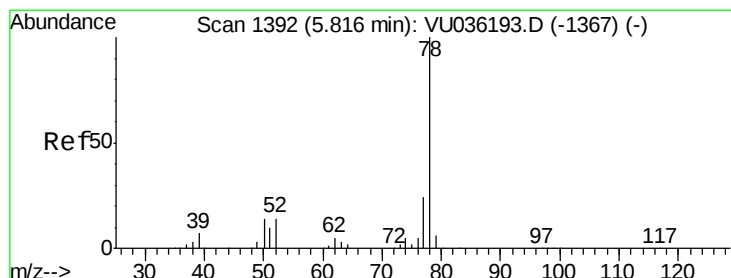
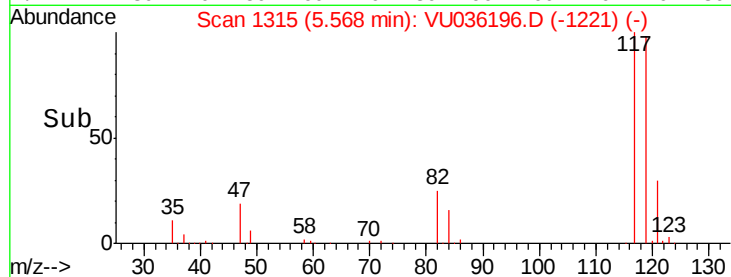
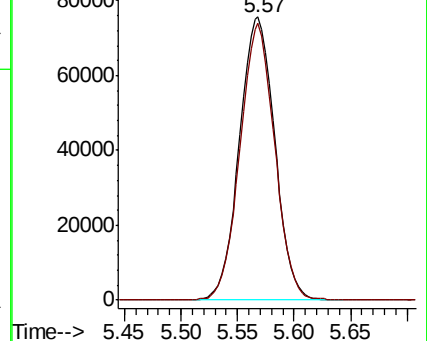
117 100

119 95.5 77.2 115.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.973 ug/L

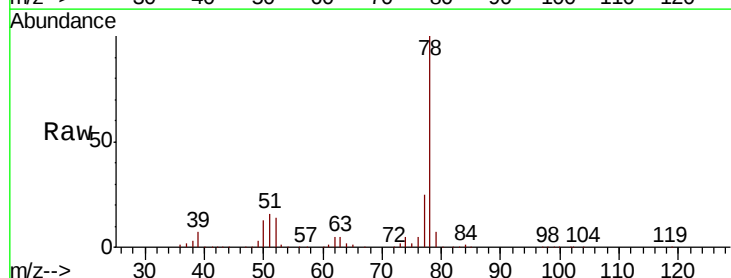
RT: 5.82 min Scan# 1392

Delta R.T. 0.00 min

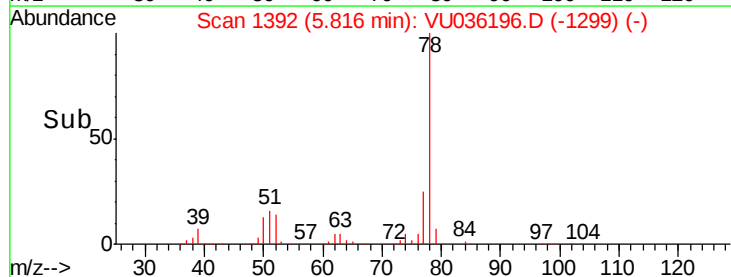
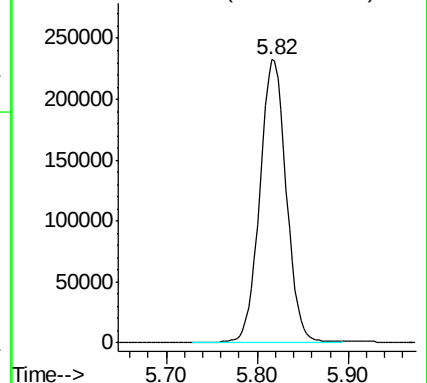
Lab File: VU036196.D

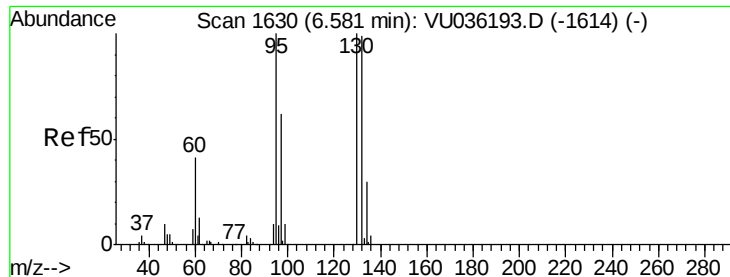
Acq: 13 Dec 2019 14:35

Tgt Ion: 78 Resp: 472410



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 5.015 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU036196.D

Acq: 13 Dec 2019 14:35

Instrument :

MSVOA_U

ClientSampleId :

VICV06

Tot Ion: 95 Resp: 122835

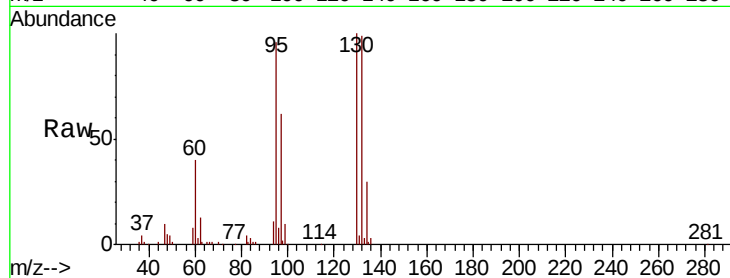
Ion Ratio Lower Upper

95 100

97 64.0 43.6 81.0

132 103.3 69.6 129.2

130 103.9 70.3 130.7

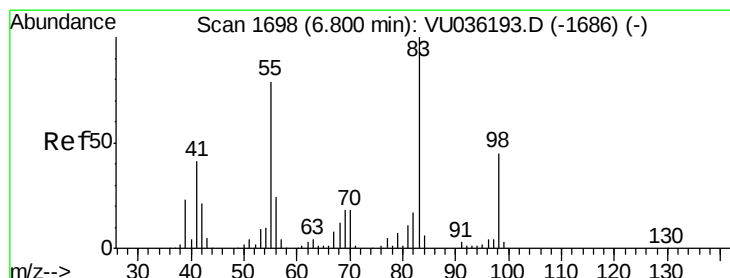
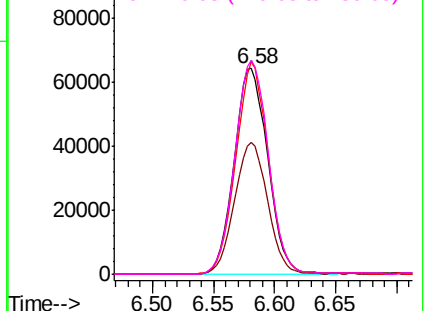
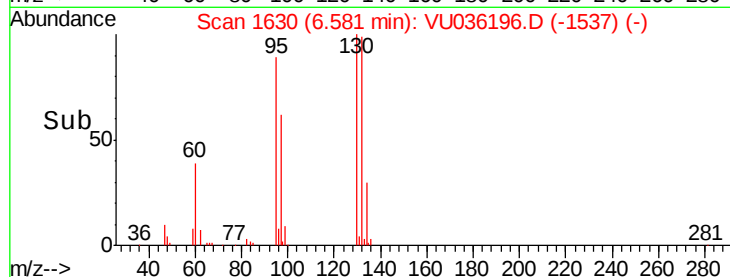


Abundance Ion 95.00 (94.70 to 95.70): VU036196.D (-1537) (-)

Ion 96.95 (96.65 to 97.65): VU036196.D (-1537) (-)

Ion 131.95 (131.65 to 132.65): VU036196.D (-1537) (-)

Ion 129.95 (129.65 to 130.65): VU036196.D (-1537) (-)



#35

Methylcyclohexane

Concen: 5.120 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VU036196.D

Acq: 13 Dec 2019 14:35

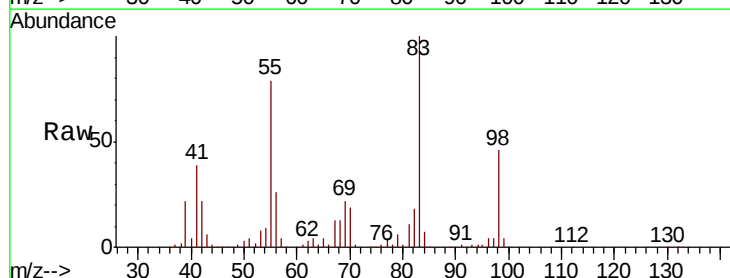
Tgt Ion: 83 Resp: 178279

Ion Ratio Lower Upper

83 100

55 79.2 62.6 94.0

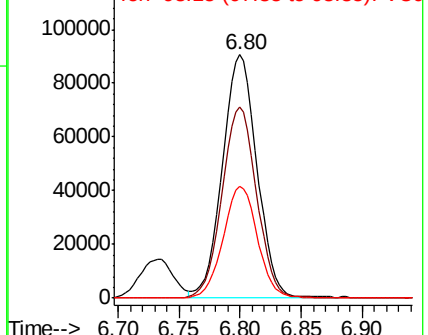
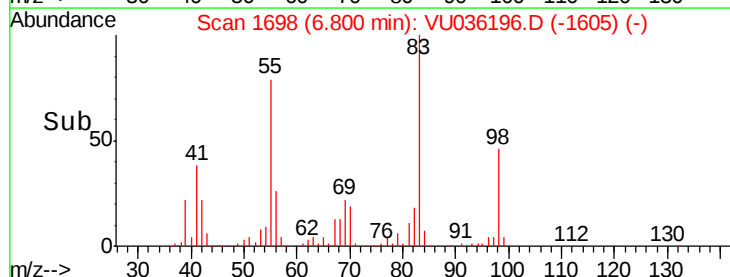
98 45.4 36.2 54.2

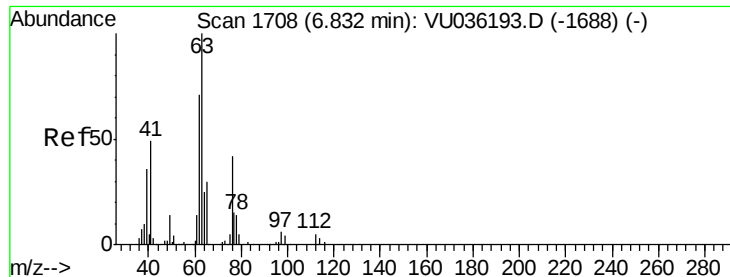


Abundance Ion 83.15 (82.85 to 83.85): VU036196.D (-1605) (-)

Ion 55.10 (54.80 to 55.80): VU036196.D (-1605) (-)

Ion 98.15 (97.85 to 98.85): VU036196.D (-1605) (-)

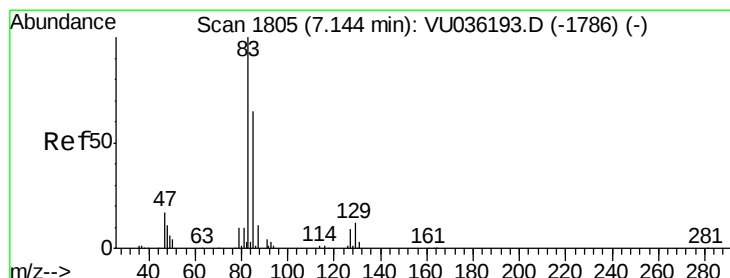
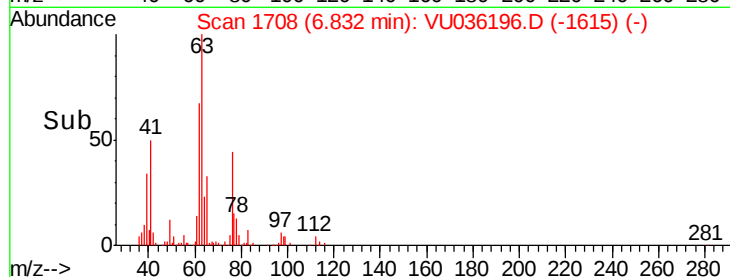
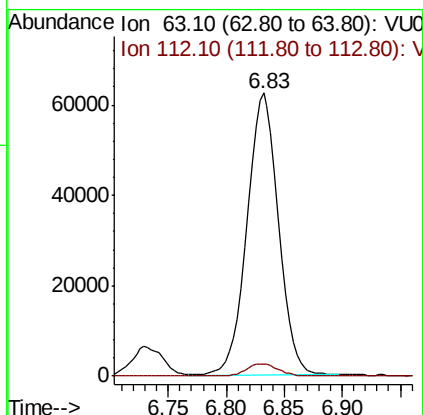
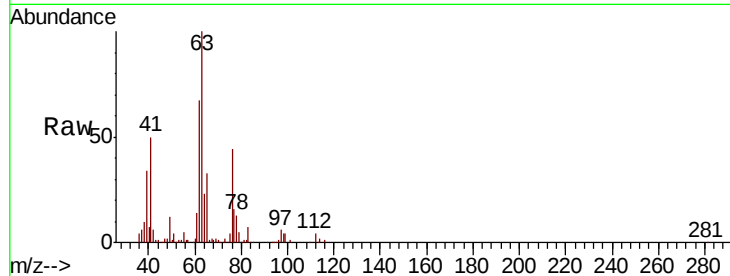




#37
 1,2-Dichloropropane
 Concen: 4.867 ug/L
 RT: 6.83 min Scan# 1708
 Delta R.T. 0.00 min
 Lab File: VU036196.D
 Acq: 13 Dec 2019 14:35

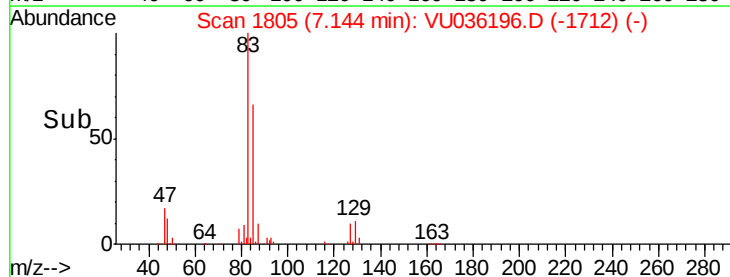
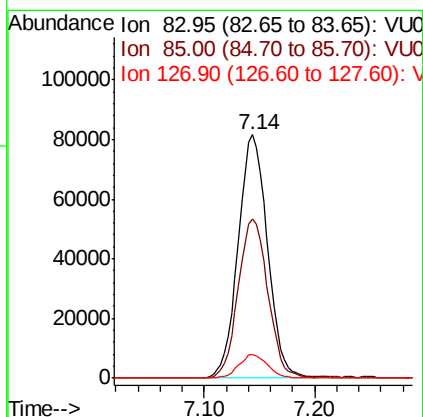
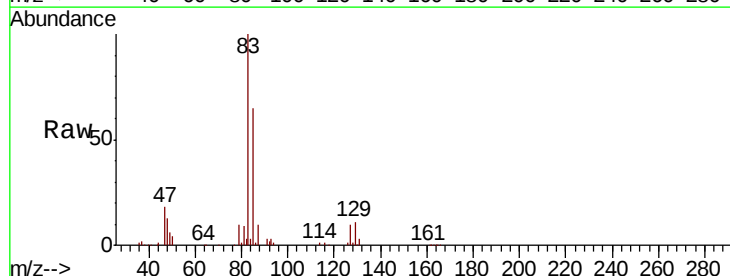
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV06

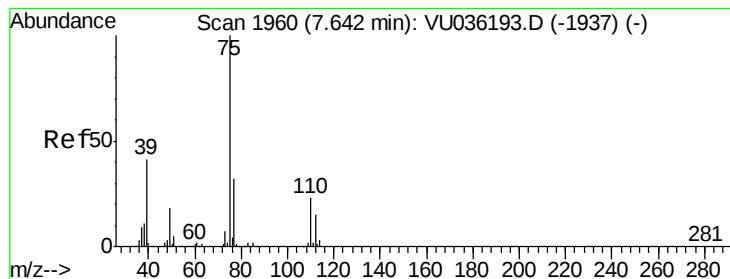
Tot Ion: 63 Resp: 117947
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.8 5.8



#38
 Bromodichloromethane
 Concen: 4.787 ug/L
 RT: 7.14 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VU036196.D
 Acq: 13 Dec 2019 14:35

Tgt Ion: 83 Resp: 150984
 Ion Ratio Lower Upper
 83 100
 85 65.3 45.6 84.6
 127 9.7 7.1 10.7



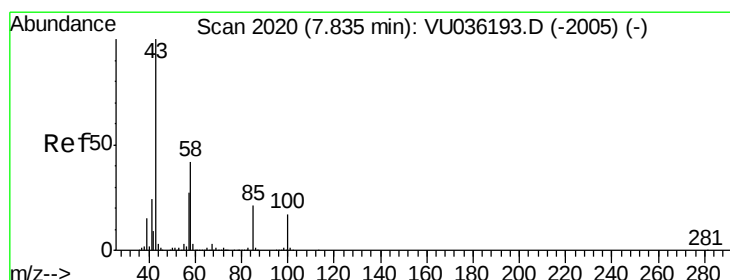
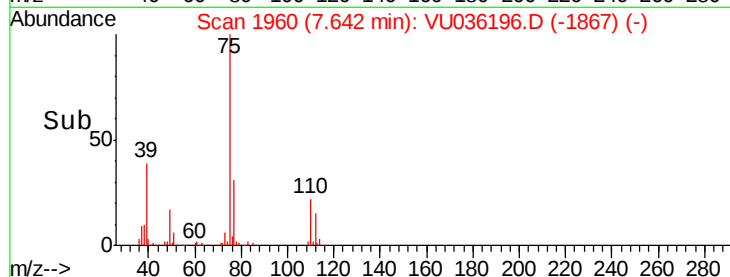
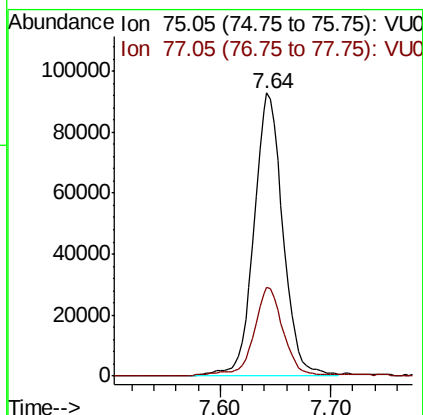
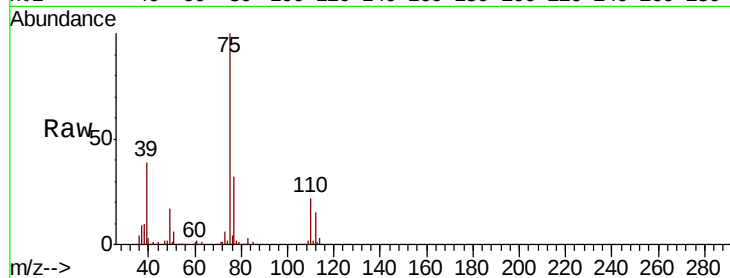


#39

cis-1,3-Dichloropropene
Concen: 5.111 ug/L
RT: 7.64 min Scan# 1960
Delta R.T. 0.00 min
Lab File: VU036196.D
Acq: 13 Dec 2019 14:35

Instrument :
MSVOA_U
ClientSampled :
VICV06

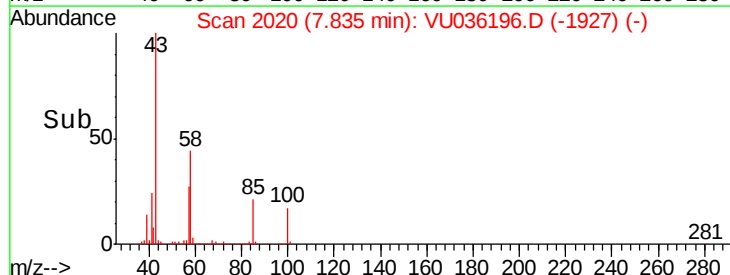
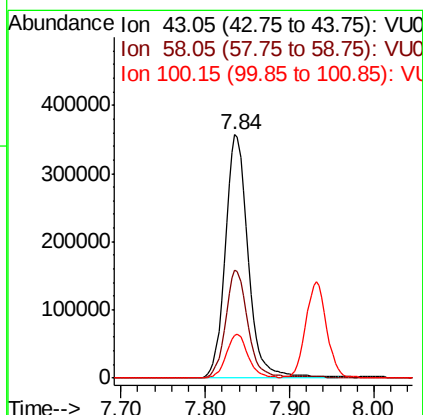
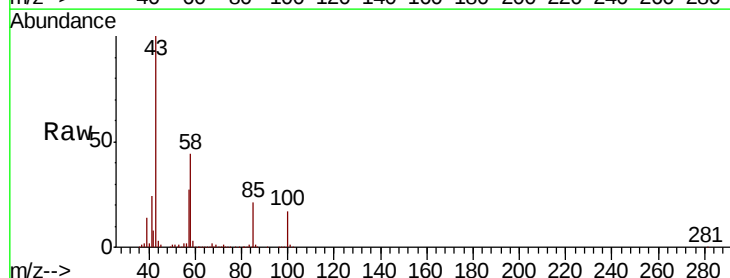
Tot Ion: 75 Resp: 168763
Ion Ratio Lower Upper
75 100
77 31.5 22.7 42.1

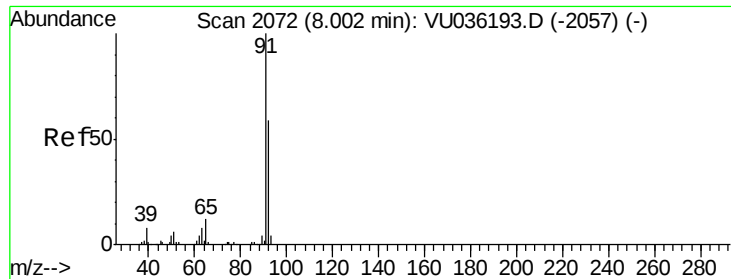


#40

4-Methyl-2-pentanone
Concen: 52.962 ug/L
RT: 7.84 min Scan# 2020
Delta R.T. 0.00 min
Lab File: VU036196.D
Acq: 13 Dec 2019 14:35

Tgt Ion: 43 Resp: 671398
Ion Ratio Lower Upper
43 100
58 42.9 33.3 49.9
100 17.3 13.7 20.5





#42

Toluene

Concen: 5.082 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. 0.00 min

Lab File: VU036196.D

Acq: 13 Dec 2019 14:35

Instrument :

MSVOA_U

ClientSampleId :

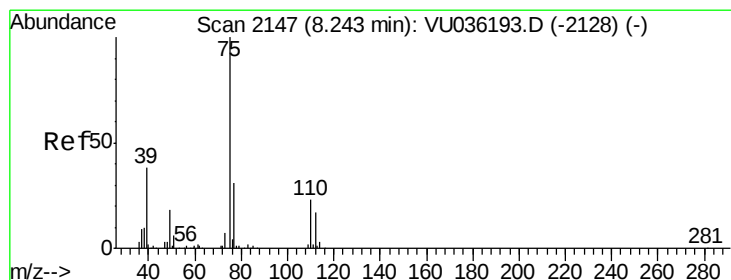
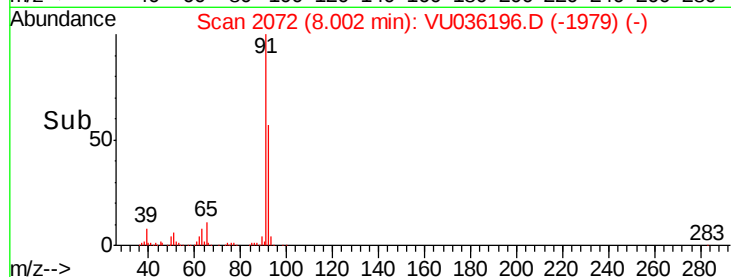
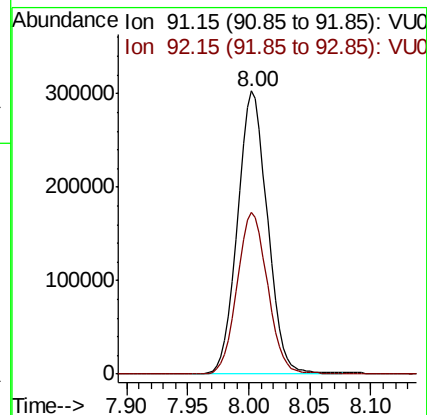
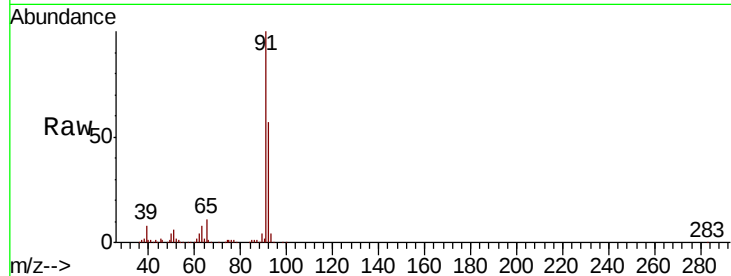
VICV06

Tot Ion: 91 Resp: 517499

Ion Ratio Lower Upper

91 100

92 57.1 41.2 76.6



#44

trans-1,3-Dichloropropene

Concen: 5.200 ug/L

RT: 8.24 min Scan# 2147

Delta R.T. 0.00 min

Lab File: VU036196.D

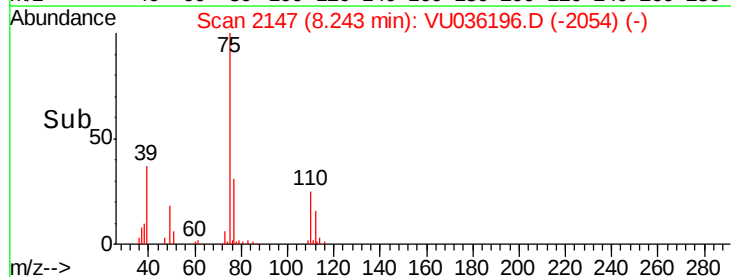
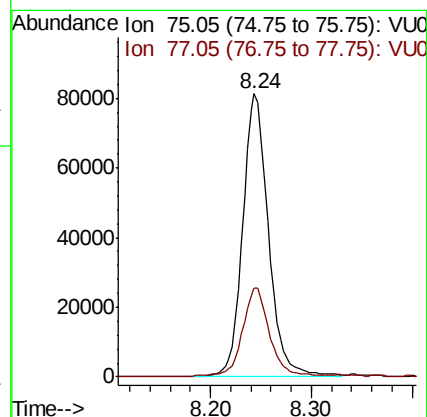
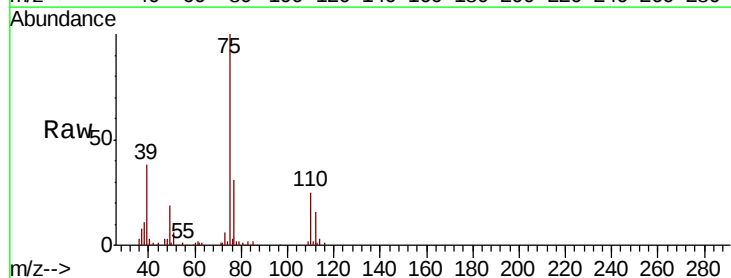
Acq: 13 Dec 2019 14:35

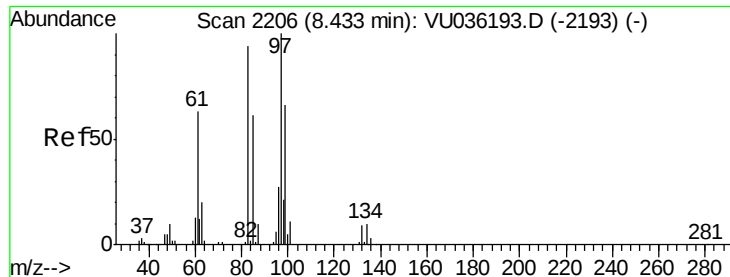
Tgt Ion: 75 Resp: 144244

Ion Ratio Lower Upper

75 100

77 31.4 22.1 41.1

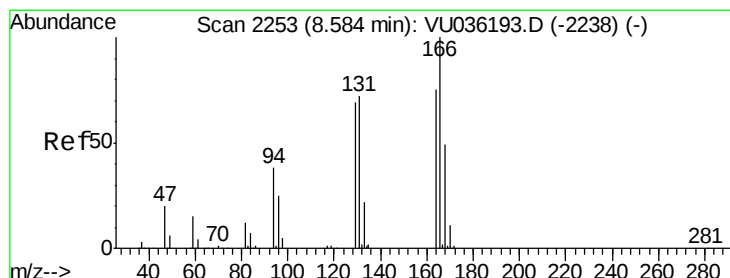
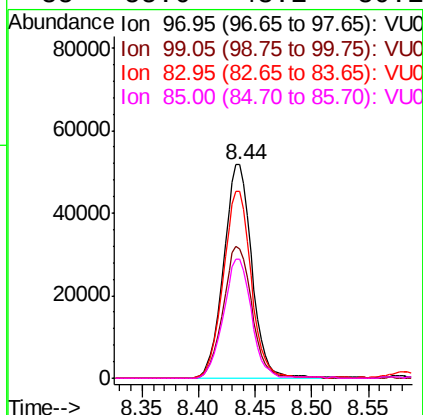
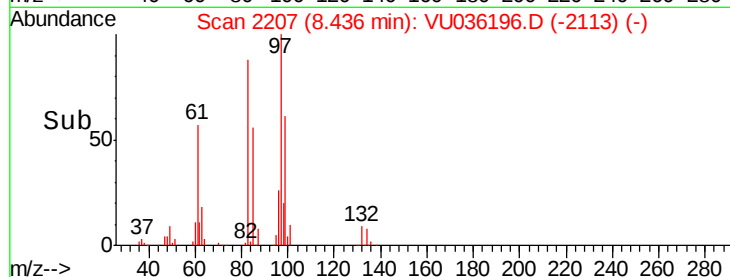
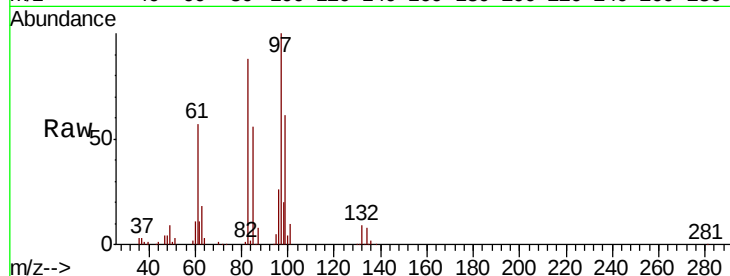




#45
 1,1,2-Trichloroethane
 Concen: 4.953 ug/L
 RT: 8.44 min Scan# 2207
 Delta R.T. 0.00 min
 Lab File: VU036196.D
 Acq: 13 Dec 2019 14:35

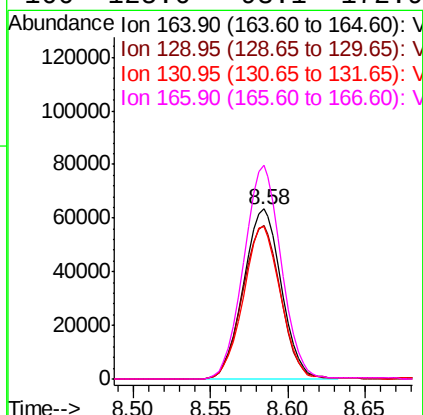
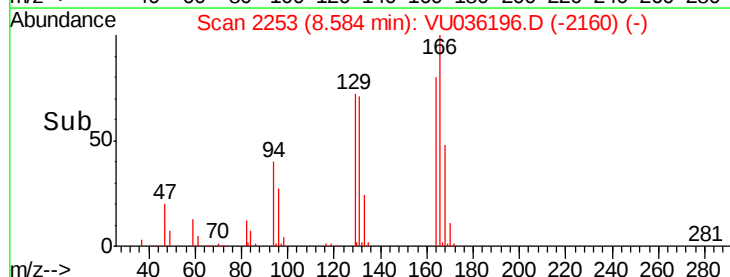
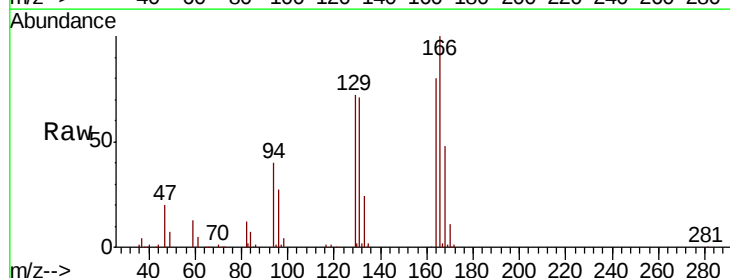
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV06

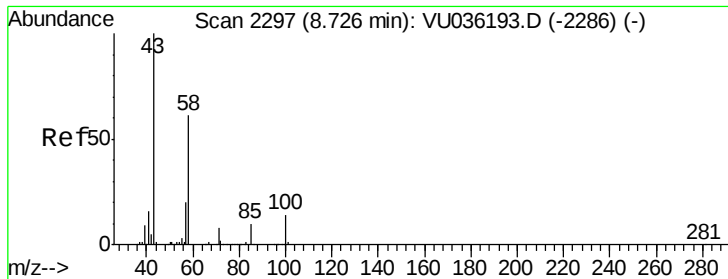
Tot Ion:	97	Resp:	89953
Ion	Ratio	Lower	Upper
97	100		
99	60.6	46.1	85.5
83	87.7	65.9	122.3
85	55.6	43.1	80.1



#47
 Tetrachloroethene
 Concen: 4.900 ug/L
 RT: 8.58 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VU036196.D
 Acq: 13 Dec 2019 14:35

Tgt Ion:	164	Resp:	108381
Ion	Ratio	Lower	Upper
164	100		
129	90.1	64.2	119.2
131	89.8	66.6	123.8
166	125.6	93.1	172.9

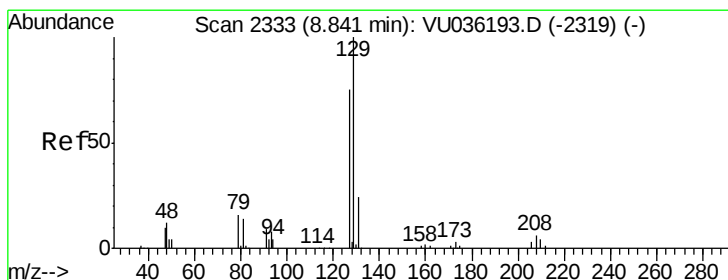
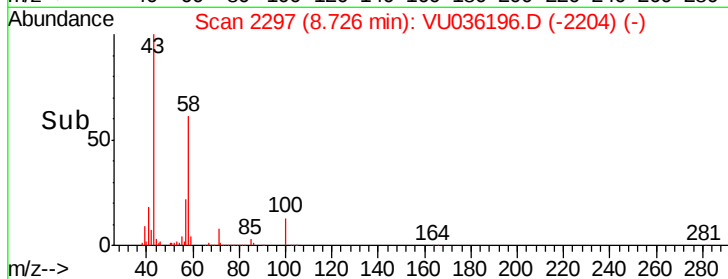
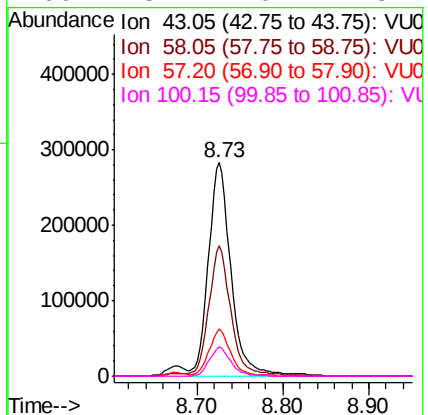
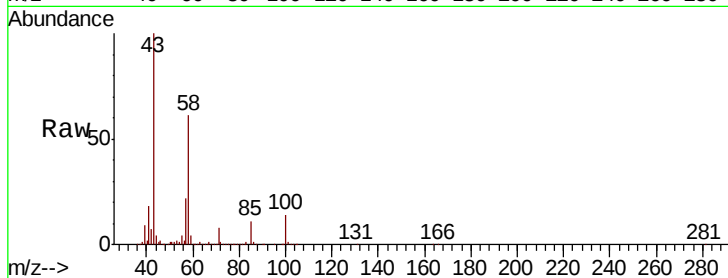




#48
2-Hexanone
Concen: 54.913 ug/L
RT: 8.73 min Scan# 2297
Delta R.T. 0.00 min
Lab File: VU036196.D
Acq: 13 Dec 2019 14:35

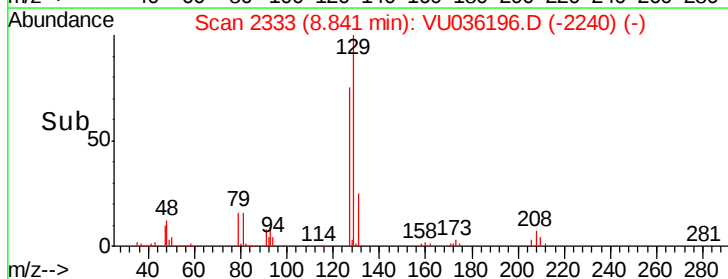
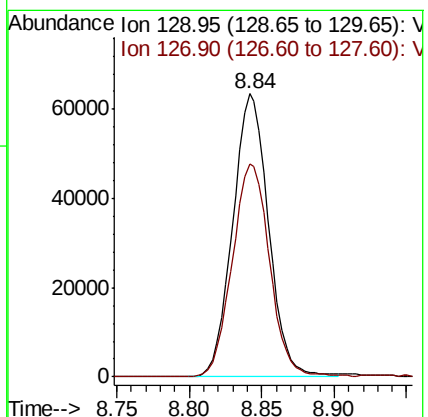
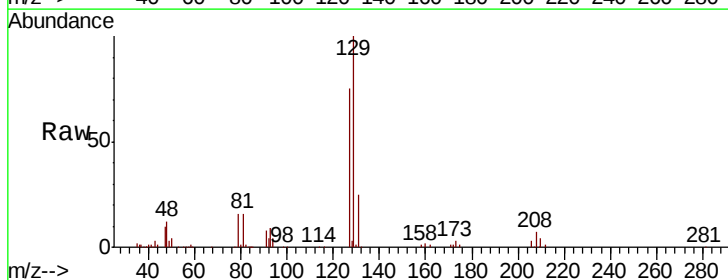
Instrument :
MSVOA_U
ClientSampleId :
VICV06

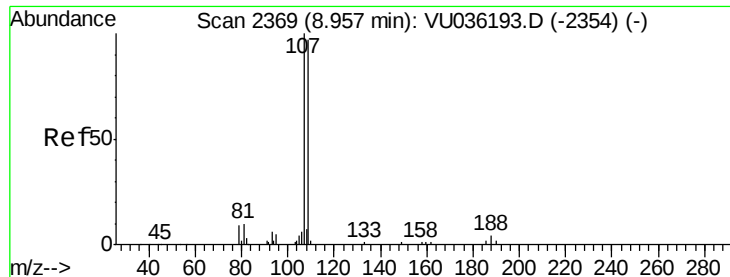
Tot Ion:	43	Resp:	519511
Ion	Ratio	Lower	Upper
43	100		
58	58.5	46.2	69.2
57	20.9	16.2	24.4
100	13.1	10.2	15.4



#49
Dibromochloromethane
Concen: 4.856 ug/L
RT: 8.84 min Scan# 2333
Delta R.T. 0.00 min
Lab File: VU036196.D
Acq: 13 Dec 2019 14:35

Tgt Ion:	129	Resp:	108998
Ion	Ratio	Lower	Upper
129	100		
127	75.4	52.6	97.6

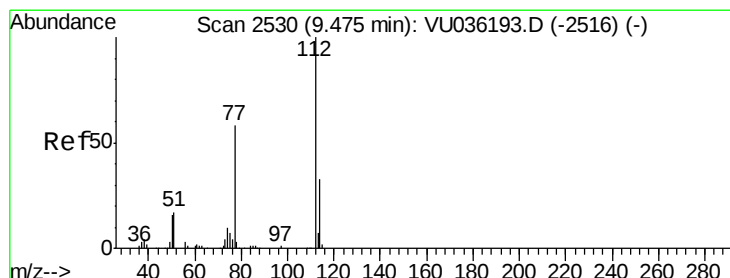
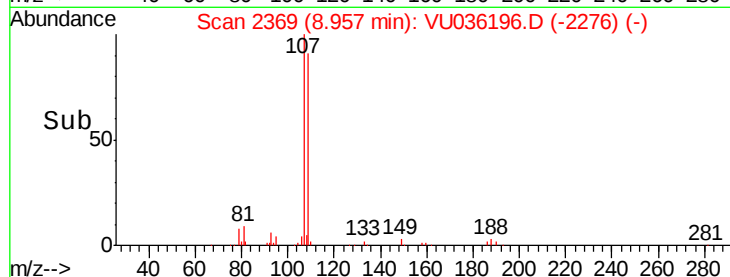
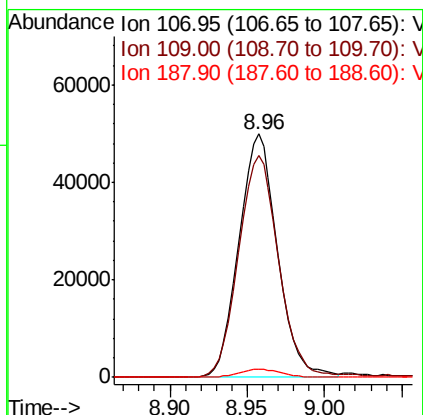
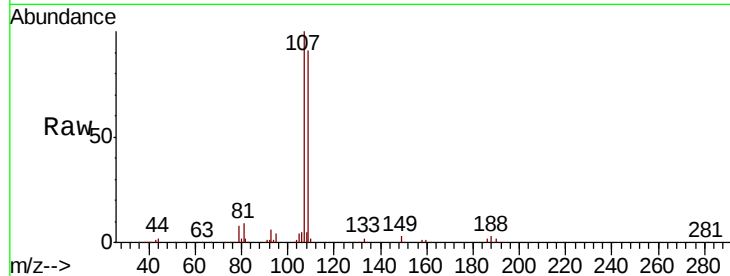




#50
 1,2-Dibromoethane
 Concen: 4.984 ug/L
 RT: 8.96 min Scan# 2369
 Delta R.T. 0.00 min
 Lab File: VU036196.D
 Acq: 13 Dec 2019 14:35

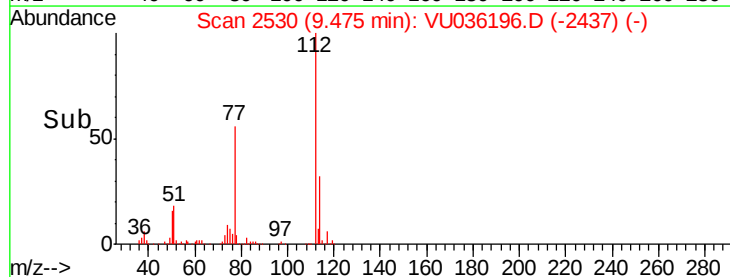
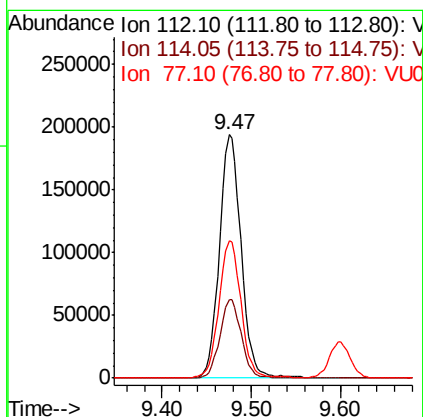
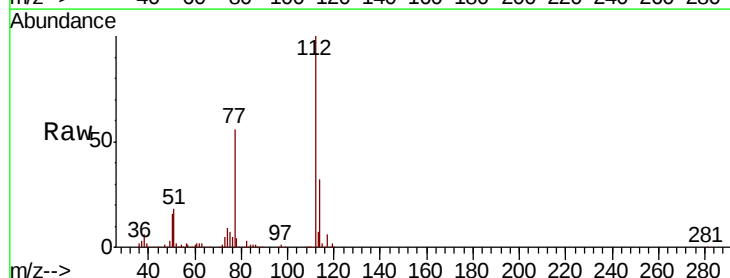
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV06

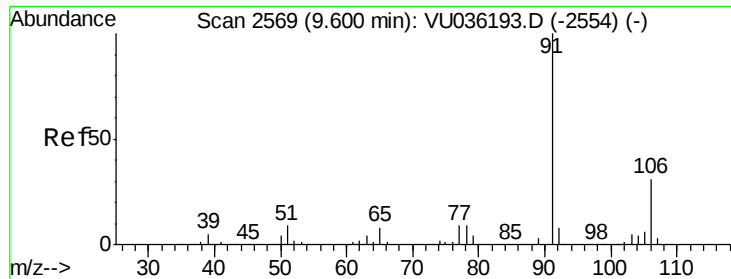
Tot Ion	Ratio	Lower	Upper
107	100		
109	90.9	67.5	125.4
188	3.5	3.1	4.7



#51
 Chlorobenzene
 Concen: 4.866 ug/L
 RT: 9.47 min Scan# 2530
 Delta R.T. 0.00 min
 Lab File: VU036196.D
 Acq: 13 Dec 2019 14:35

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.3	23.2	43.2
77	56.4	46.5	69.7





#52

Ethylbenzene

Concen: 5.116 ug/L

RT: 9.60 min Scan# 2568

Delta R.T. -0.00 min

Lab File: VU036196.D

Acq: 13 Dec 2019 14:35

Instrument :

MSVOA_U

ClientSampleId :

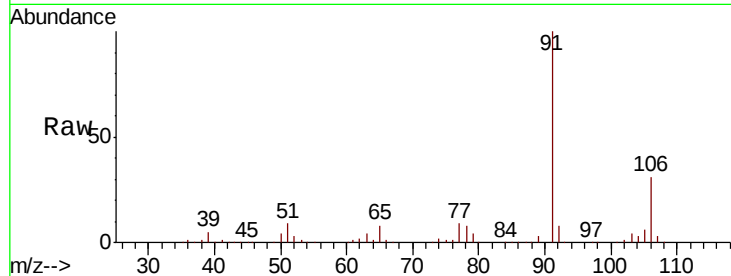
VICV06

Tot Ion: 91 Resp: 523238

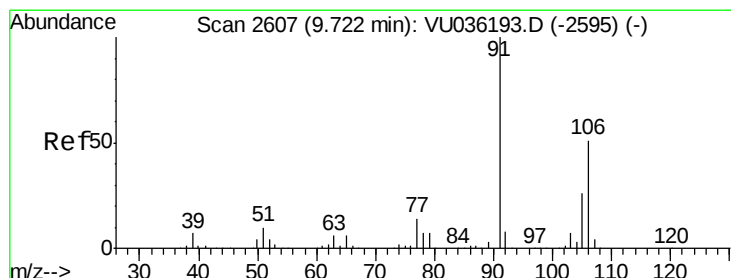
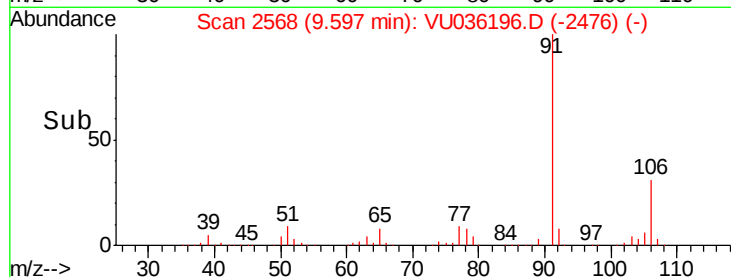
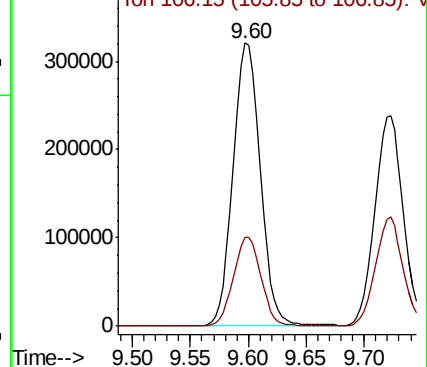
Ion Ratio Lower Upper

91 100

106 31.2 22.0 41.0



Abundance Ion 91.15 (90.85 to 91.85): VU036193.D (-2554) (-)



#53

m,p-Xylene

Concen: 5.261 ug/L

RT: 9.72 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VU036196.D

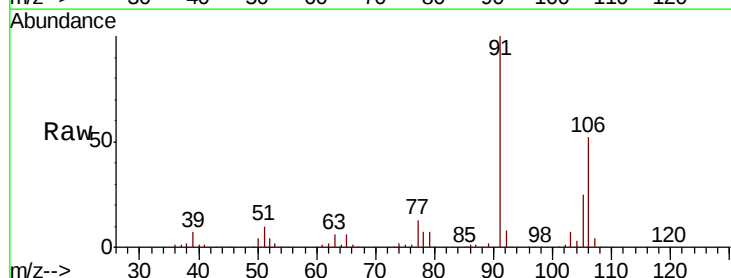
Acq: 13 Dec 2019 14:35

Tgt Ion: 106 Resp: 207323

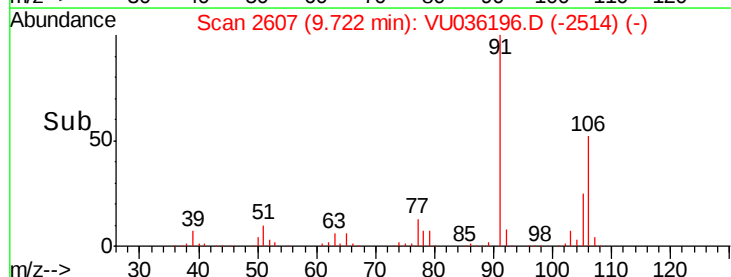
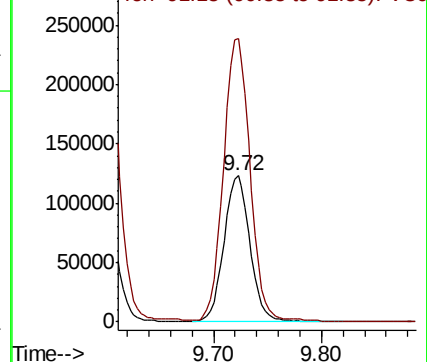
Ion Ratio Lower Upper

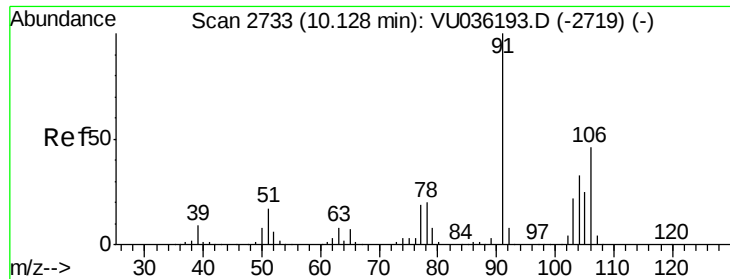
106 100

91 193.4 138.7 257.7



Abundance Ion 106.15 (105.85 to 106.85): VU036193.D (-2595) (-)

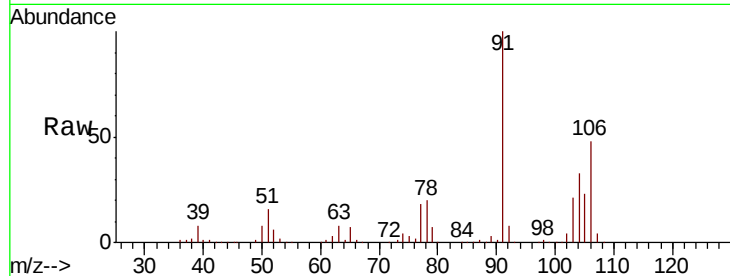




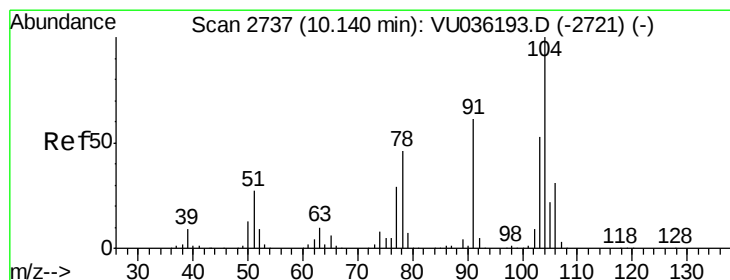
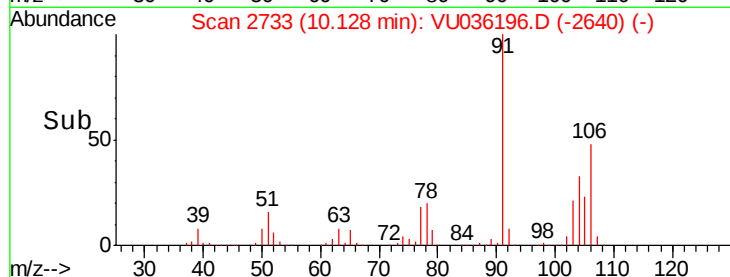
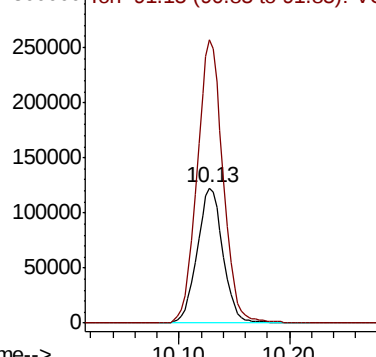
#54
o-Xylene
Concen: 5.222 ug/L
RT: 10.13 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU036196.D
Acq: 13 Dec 2019 14:35

Instrument :
MSVOA_U
ClientSampled :
VICV06

Tot Ion:106 Resp: 198457
Ion Ratio Lower Upper
106 100
91 209.8 152.8 283.8

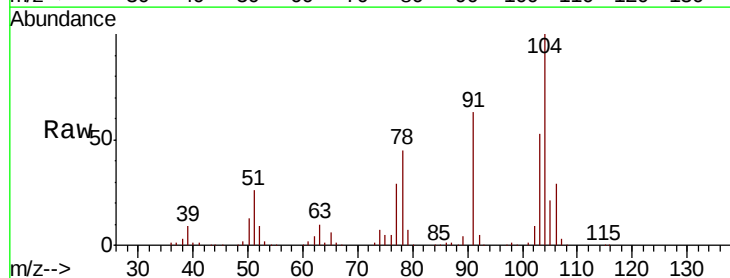


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

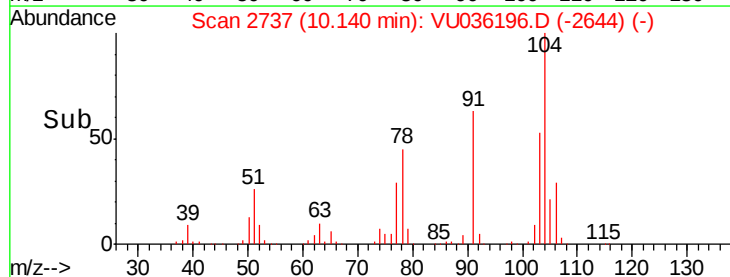
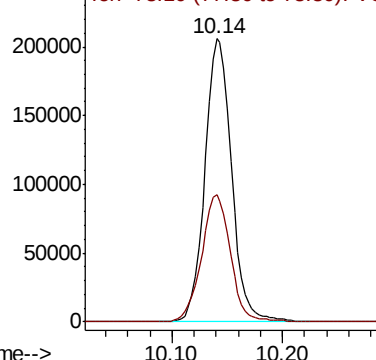


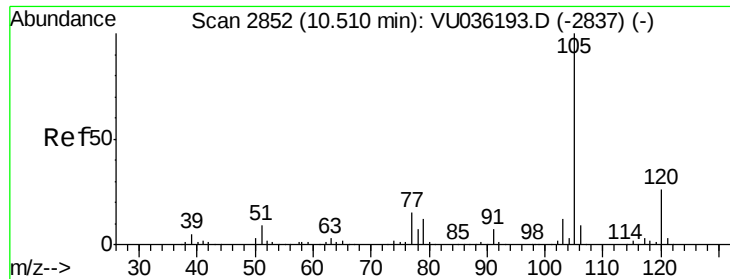
#55
Styrene
Concen: 5.136 ug/L
RT: 10.14 min Scan# 2737
Delta R.T. 0.00 min
Lab File: VU036196.D
Acq: 13 Dec 2019 14:35

Tgt Ion:104 Resp: 345436
Ion Ratio Lower Upper
104 100
78 45.1 32.1 59.5



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





#56

Isopropylbenzene

Concen: 5.235 ug/L

RT: 10.51 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VU036196.D

Acq: 13 Dec 2019 14:35

Instrument :

MSVOA_U

ClientSampled :

VICV06

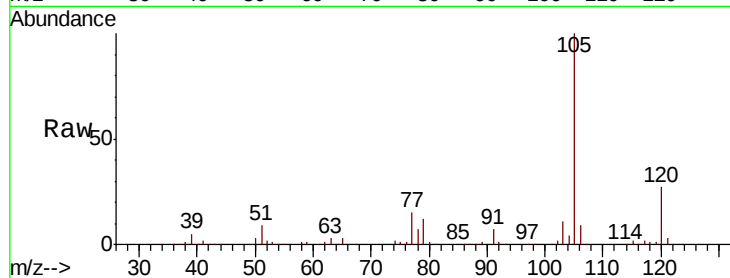
Tot Ion:105 Resp: 510930

Ion Ratio Lower Upper

105 100

120 26.3 21.0 31.6

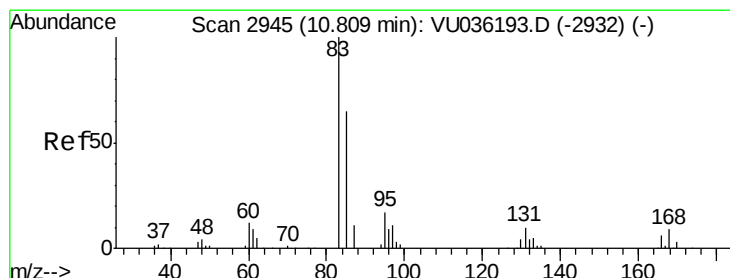
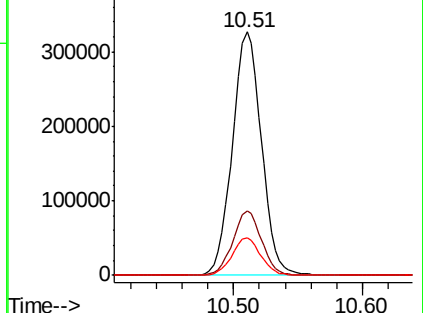
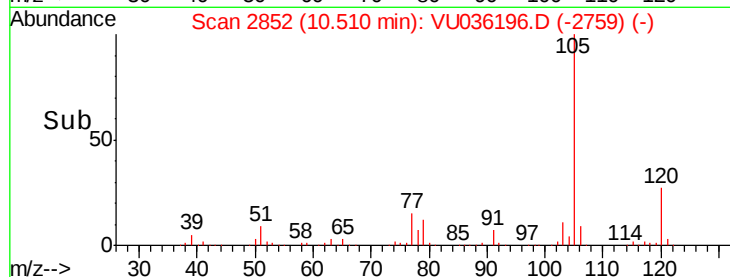
77 15.2 12.5 18.7



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: 4.955 ug/L

RT: 10.81 min Scan# 2945

Delta R.T. 0.00 min

Lab File: VU036196.D

Acq: 13 Dec 2019 14:35

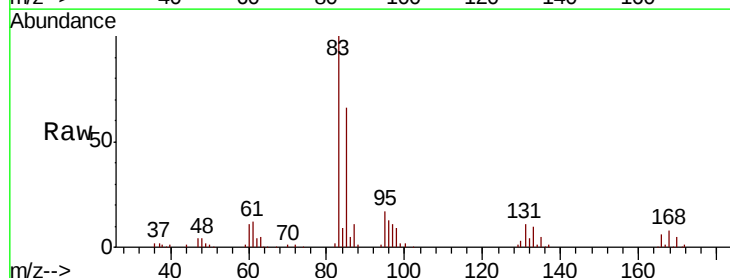
Tgt Ion: 83 Resp: 114562

Ion Ratio Lower Upper

83 100

85 65.7 45.6 84.8

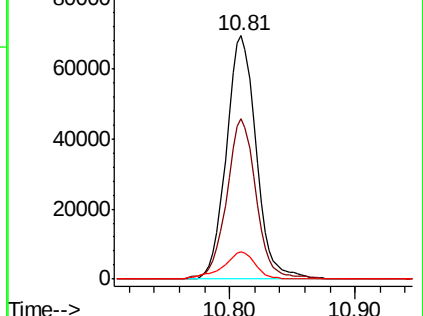
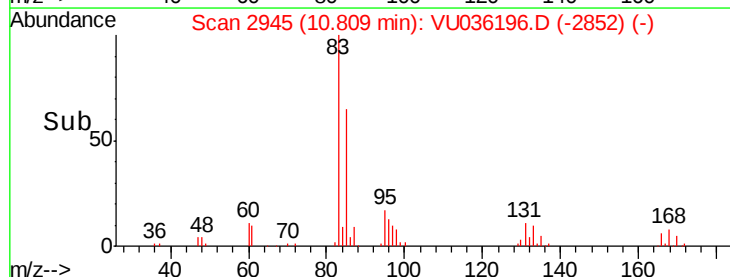
131 11.0 8.5 12.7

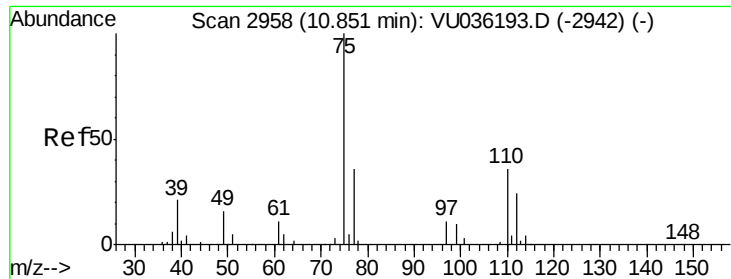


Abundance Ion 82.95 (82.65 to 83.65): VU

Ion 85.00 (84.70 to 85.70): VU

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.003 ug/L

RT: 10.85 min Scan# 2958

Delta R.T. 0.00 min

Lab File: VU036196.D

Acq: 13 Dec 2019 14:35

Instrument :

MSVOA_U

ClientSampleId :

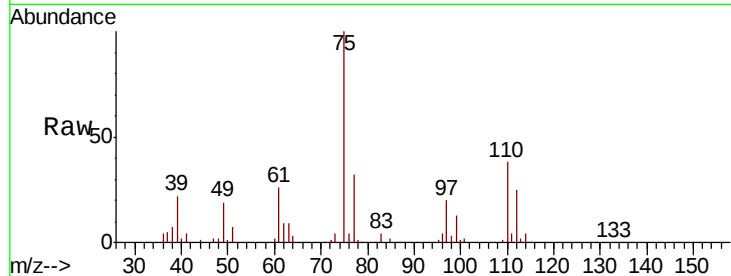
VICV06

Tot Ion: 75 Resp: 80584

Ion Ratio Lower Upper

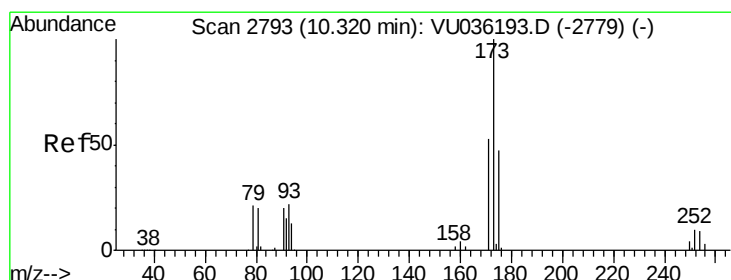
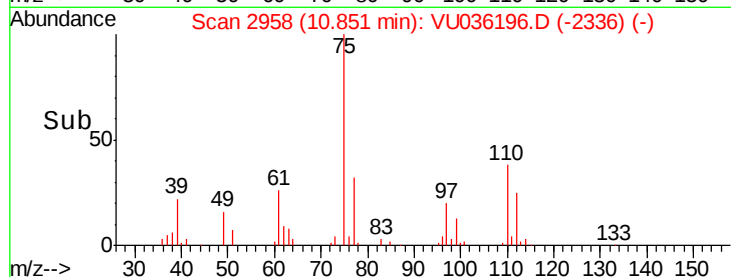
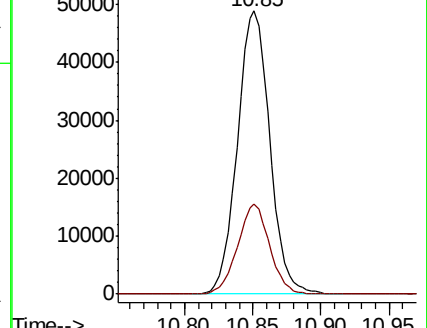
75 100

77 31.3 27.2 40.8



Abundance Ion 75.00 (74.70 to 75.70): VU036193.D (-2942) (-)

Ion 77.00 (76.70 to 77.70): VU036193.D (-2942) (-)



#61

Bromoform

Concen: 4.846 ug/L

RT: 10.32 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VU036196.D

Acq: 13 Dec 2019 14:35

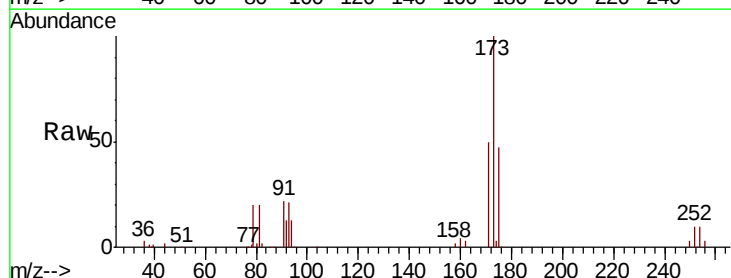
Tgt Ion: 173 Resp: 67390

Ion Ratio Lower Upper

173 100

175 48.3 39.2 58.8

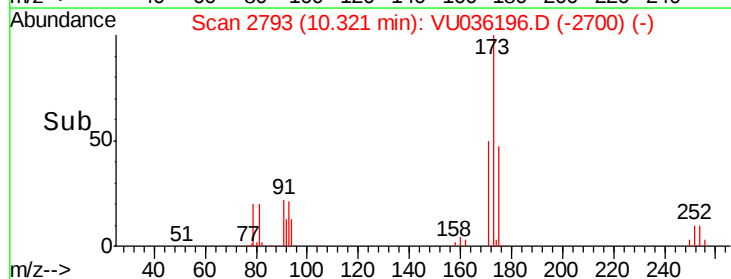
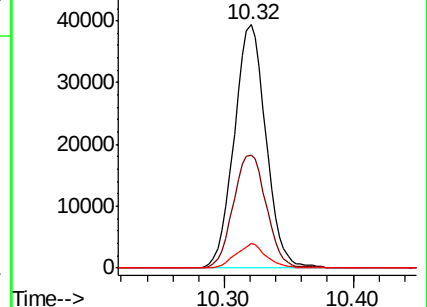
254 9.6 7.8 11.6

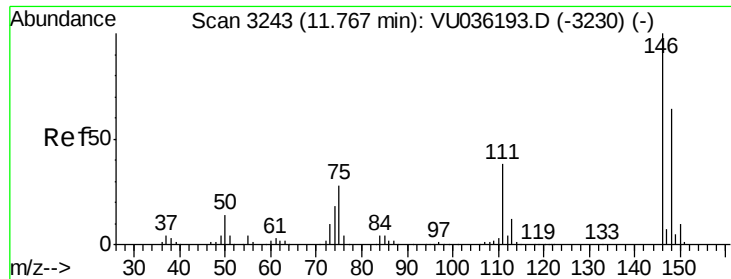


Abundance Ion 172.90 (172.60 to 173.60): VU036193.D (-2779) (-)

Ion 174.90 (174.60 to 175.60): VU036193.D (-2779) (-)

Ion 253.75 (253.45 to 254.45): VU036193.D (-2779) (-)





#62

1,3-Dichlorobenzene

Concen: 5.092 ug/L

RT: 11.77 min Scan# 3243

Delta R.T. 0.00 min

Lab File: VU036196.D

Acq: 13 Dec 2019 14:35

Instrument :

MSVOA_U

ClientSampleId :

VICV06

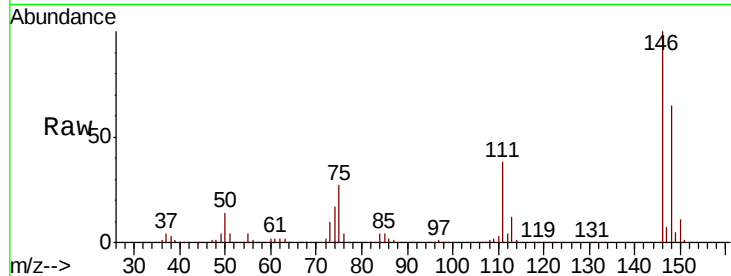
Tot Ion:146 Resp: 275211

Ion Ratio Lower Upper

146 100

111 38.5 26.3 48.9

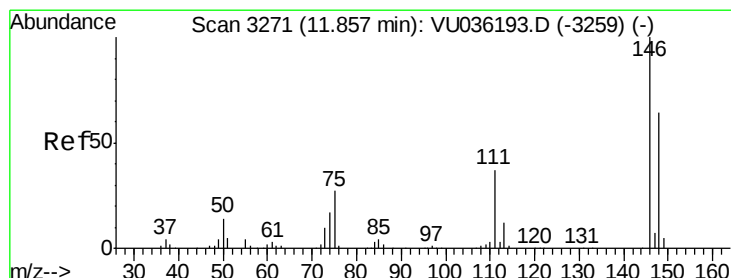
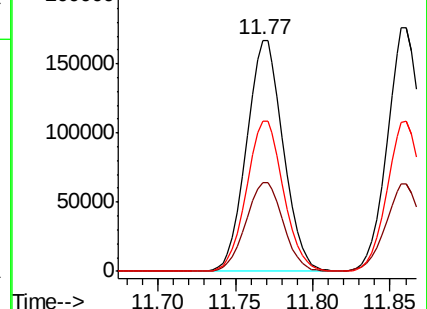
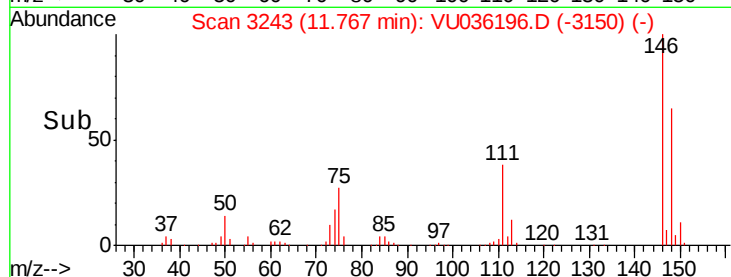
148 65.1 45.1 83.9



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.188 ug/L

RT: 11.86 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VU036196.D

Acq: 13 Dec 2019 14:35

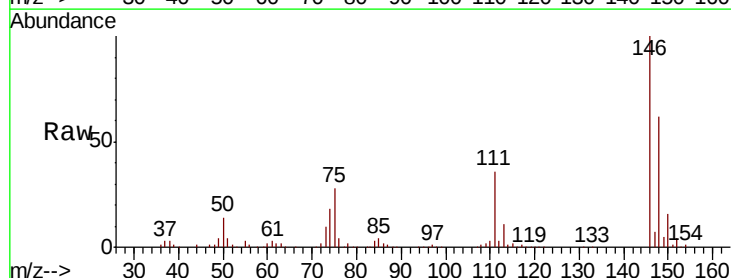
Tgt Ion:146 Resp: 278088

Ion Ratio Lower Upper

146 100

111 35.8 25.8 48.0

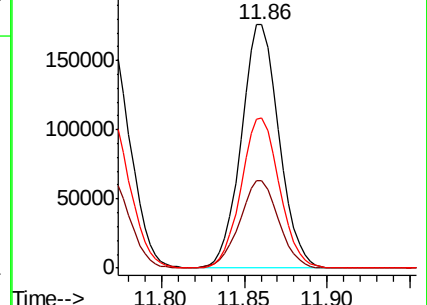
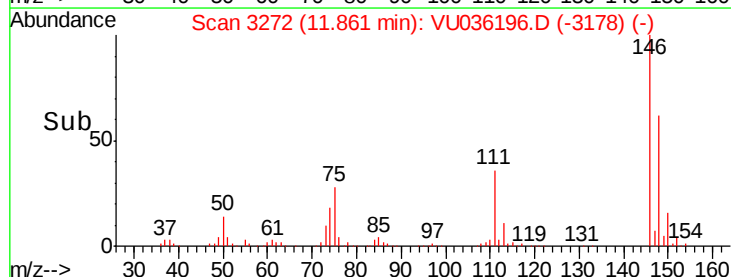
148 61.5 44.7 82.9

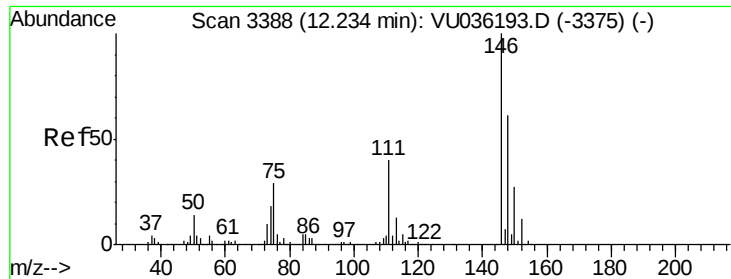


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.973 ug/L

RT: 12.23 min Scan# 3388

Delta R.T. 0.00 min

Lab File: VU036196.D

Acq: 13 Dec 2019 14:35

Instrument :

MSVOA_U

ClientSampled :

VICV06

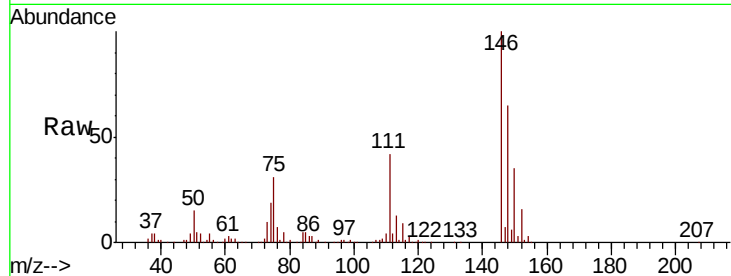
Tot Ion:146 Resp: 256083

Ion Ratio Lower Upper

146 100

111 42.1 32.5 48.7

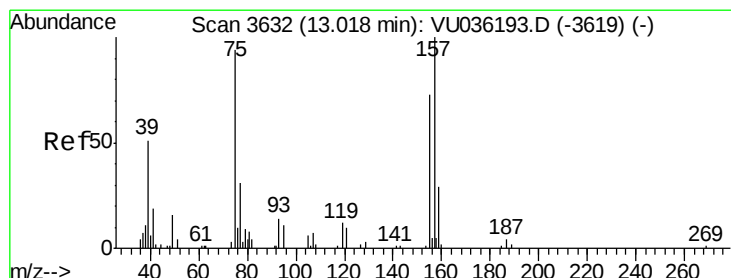
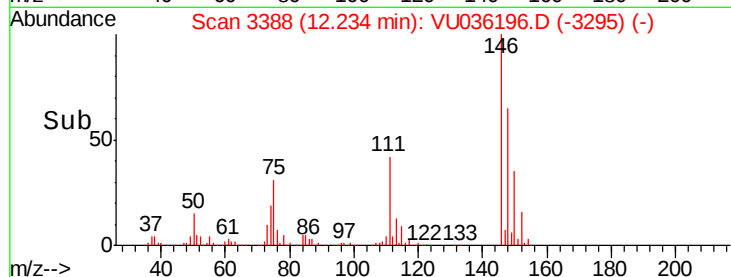
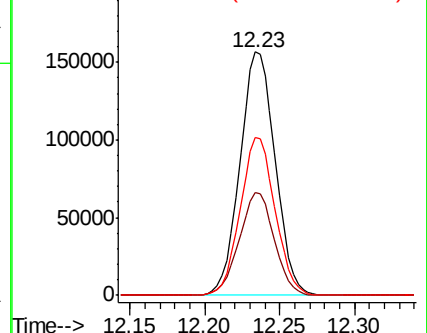
148 64.7 49.2 73.8



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: 5.084 ug/L

RT: 13.02 min Scan# 3632

Delta R.T. 0.00 min

Lab File: VU036196.D

Acq: 13 Dec 2019 14:35

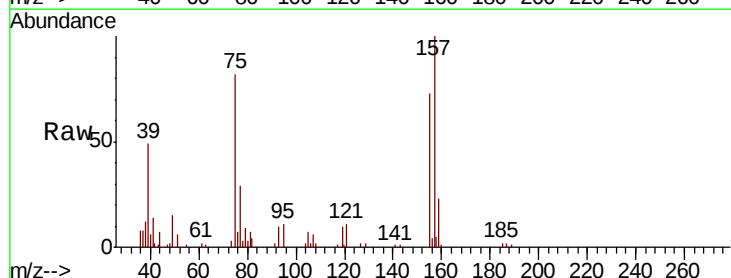
Tgt Ion: 75 Resp: 17389

Ion Ratio Lower Upper

75 100

155 88.9 61.9 92.9

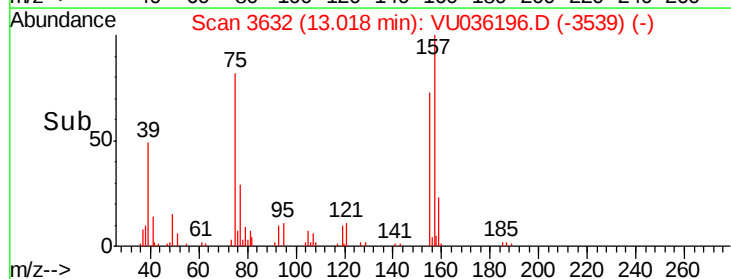
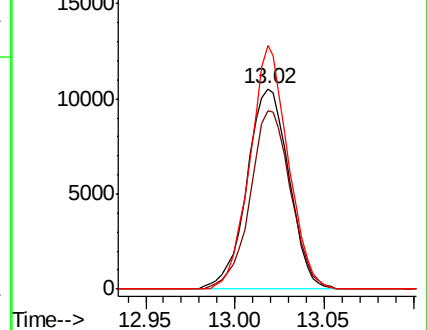
157 121.6 84.9 127.3

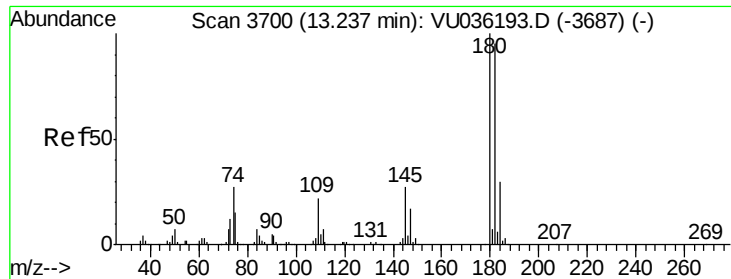


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

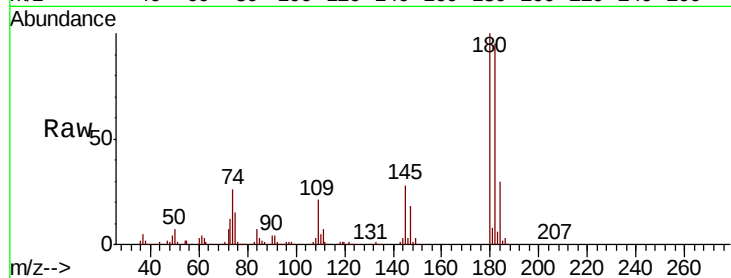




#67
 1,3,5-Trichlorobenzene
 Concen: 4.999 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. 0.00 min
 Lab File: VU036196.D
 Acq: 13 Dec 2019 14:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV06

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.9	115.3
184	30.7	24.2	36.4
145	28.3	22.0	33.0



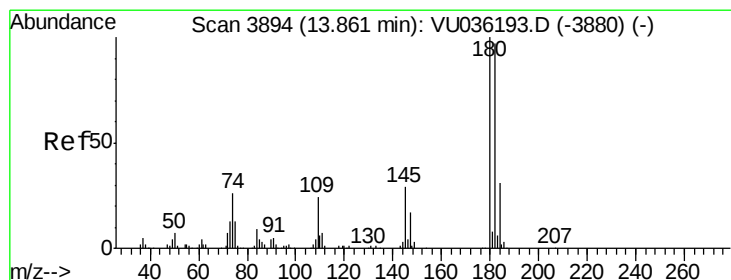
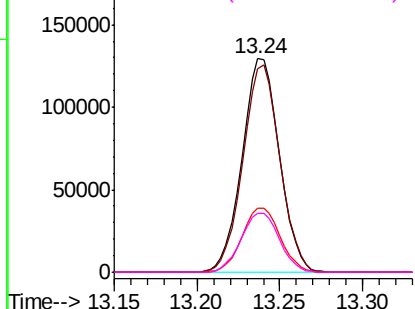
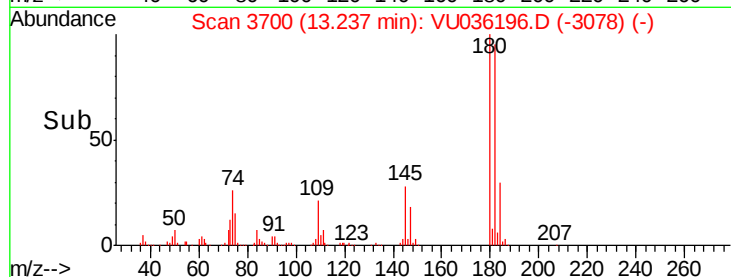
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

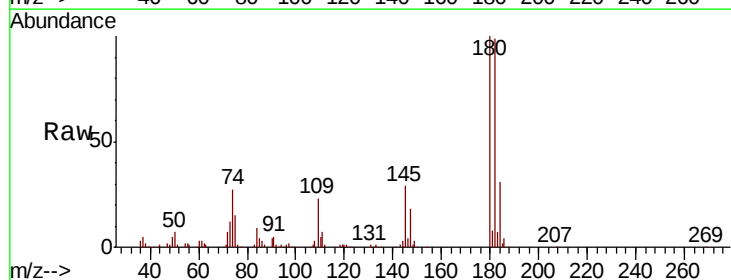
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.433 ug/L
 RT: 13.86 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU036196.D
 Acq: 13 Dec 2019 14:35

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.1	75.3	112.9
145	28.0	22.7	34.1

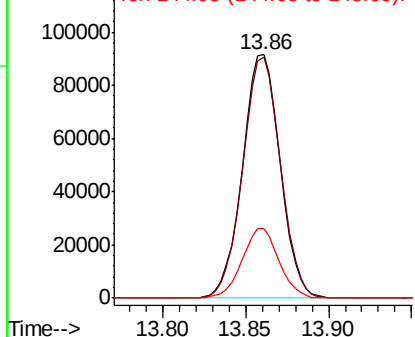
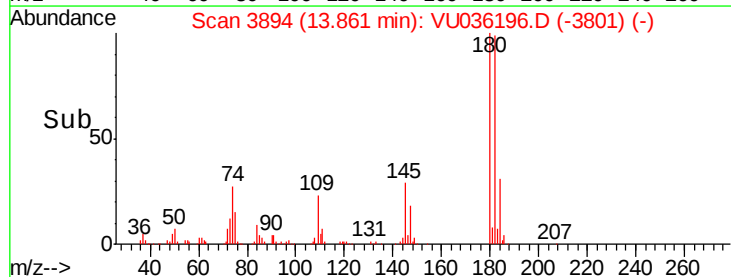


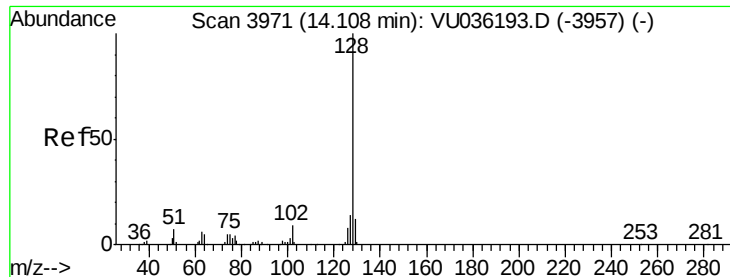
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 5.937 ug/L

RT: 14.11 min Scan# 3971

Delta R.T. 0.00 min

Lab File: VU036196.D

Acq: 13 Dec 2019 14:35

Instrument :

MSVOA_U

ClientSampleId :

VICV06

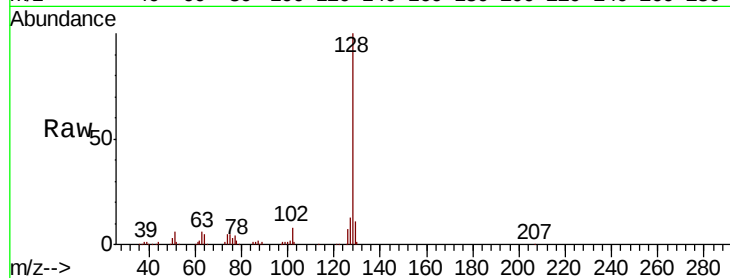
Tot Ion:128 Resp: 200947

Ion Ratio Lower Upper

128 100

129 10.9 8.4 12.6

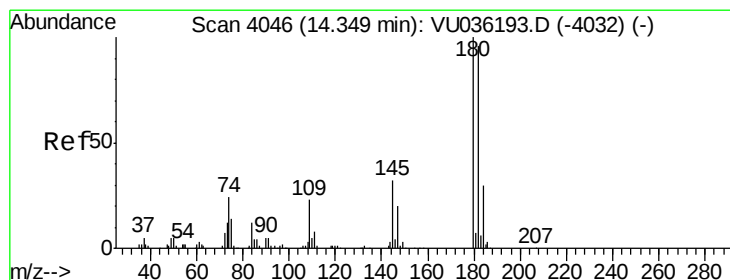
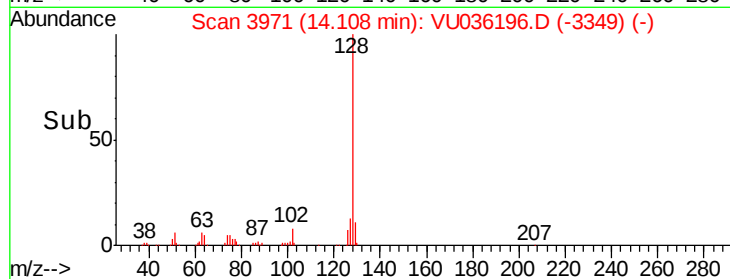
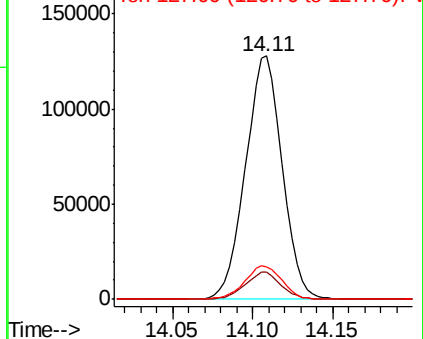
127 13.9 11.5 17.3



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: 5.663 ug/L

RT: 14.35 min Scan# 4046

Delta R.T. 0.00 min

Lab File: VU036196.D

Acq: 13 Dec 2019 14:35

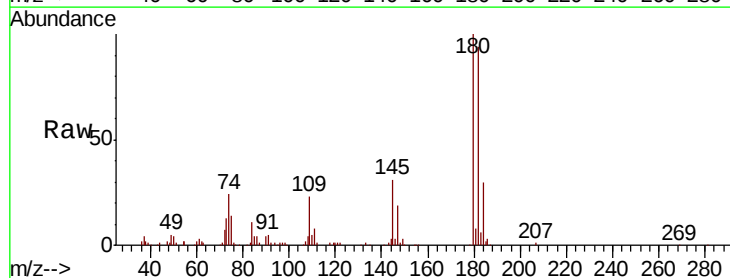
Tgt Ion:180 Resp: 145702

Ion Ratio Lower Upper

180 100

182 96.0 77.0 115.6

145 30.9 24.9 37.3



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

