

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102619\
 Data File : VU035513.D
 Acq On : 26 Oct 2019 12:52
 Operator : JC/SP
 Sample : VSTD10032
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 30 01:27:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM102619WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 30 01:21:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	612560	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	616041	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	289303	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	483724	93.46	ug/L	0.00
7) Chloroethane-d5	1.93	69	399131	92.02	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.60	63	817315	95.06	ug/L	0.00
21) 2-Butanone-d5	4.69	46	660024	191.68	ug/L	0.00
24) Chloroform-d	5.11	84	805461	95.87	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.75	65	499248	90.90	ug/L	0.00
32) Benzene-d6	5.77	84	1652129	94.20	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.73	67	536076	95.14	ug/L	0.00
41) Toluene-d8	7.93	98	1544133	93.70	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.22	79	262750	91.93	ug/L	0.00
47) 2-Hexanone-d5	8.68	63	447203	183.36	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.78	84	755371	91.01	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.22	152	541023	82.96	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.40	85	513518	101.386	ug/L	100
3) Chloromethane	1.54	50	546511	103.407	ug/L	99
5) Vinyl chloride	1.62	62	603903	110.703	ug/L	99
6) Bromomethane	1.87	94	284604	92.067	ug/L	98
8) Chloroethane	1.95	64	352551	105.763	ug/L	99
9) Trichlorofluoromethane	2.16	101	684019	101.332	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	398996	101.583	ug/L	100
12) 1,1-Dichloroethene	2.61	96	386092	101.441	ug/L	97
13) Acetone	2.67	43	623713	197.931	ug/L	99
14) Carbon disulfide	2.82	76	1245436	102.929	ug/L	100
15) Methyl Acetate	2.99	43	522955	109.172	ug/L	100
16) Methylene chloride	3.08	84	476111	104.508	ug/L	98
17) trans-1,2-Dichloroethene	3.40	96	416052	101.890	ug/L	98
18) Methyl tert-butyl Ether	3.42	73	1353559	104.920	ug/L	99
19) 1,1-Dichloroethane	3.92	63	838097	106.387	ug/L	99
20) cis-1,2-Dichloroethene	4.72	96	478830	103.321	ug/L	99
22) 2-Butanone	4.77	43	829817	215.036	ug/L	99
23) Bromochloromethane	5.03	128	239641	102.954	ug/L	98
25) Chloroform	5.14	83	818518	101.623	ug/L	99
27) 1,2-Dichloroethane	5.84	62	641086	102.980	ug/L	100
29) Cyclohexane	5.43	56	735387	105.600	ug/L	100
30) 1,1,1-Trichloroethane	5.36	97	675786	99.129	ug/L	99
31) Carbon tetrachloride	5.57	117	603637	101.331	ug/L	98
33) Benzene	5.82	78	1852666	104.202	ug/L	100
34) Trichloroethene	6.58	95	448549	99.415	ug/L	99
35) Methylcyclohexane	6.80	83	687522	100.085	ug/L	96
37) 1,2-Dichloropropane	6.83	63	499830	107.847	ug/L	100
38) Bromodichloromethane	7.14	83	621530	101.331	ug/L	100
39) cis-1,3-Dichloropropene	7.65	75	811453	109.537	ug/L	100
40) 4-Methyl-2-pentanone	7.84	43	1433797	210.998	ug/L	99

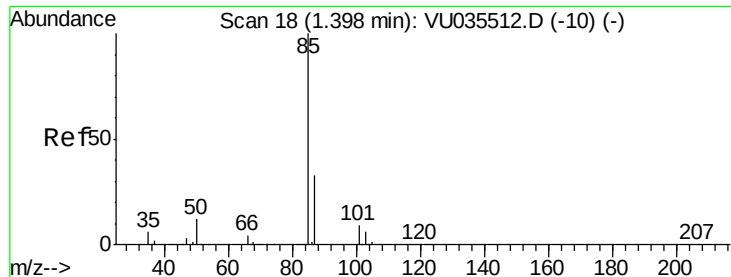
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102619\
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 Quant Title : VOC Analysis
 QLast Update : Wed Oct 30 01:21:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.00	91	1968816	101.955	ug/L	100
44) trans-1,3-Dichloropropene	8.24	75	714249	103.756	ug/L	100
45) 1,1,2-Trichloroethane	8.44	97	448968	99.377	ug/L	97
46) Tetrachloroethene	8.59	164	352060	96.926	ug/L	99
48) 2-Hexanone	8.73	43	1160960	201.818	ug/L	99
49) Dibromochloromethane	8.84	129	511332	102.010	ug/L	99
50) 1,2-Dibromoethane	8.96	107	493455	99.558	ug/L	99
51) Chlorobenzene	9.48	112	1243978	99.153	ug/L	98
52) Ethylbenzene	9.60	91	2173346	101.670	ug/L	100
53) m,p-Xylene	9.72	106	817221	103.024	ug/L	100
54) o-xylene	10.13	106	803990	102.999	ug/L	100
55) Styrene	10.14	104	1353515	106.422	ug/L	99
56) Isopropylbenzene	10.51	105	2047763	101.948	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.81	83	816289	103.430	ug/L	99
59) 1,2,3-Trichloropropane	10.85	75	645736	103.042	ug/L	100
61) Bromoform	10.32	173	386357	93.101	ug/L	99
62) 1,3-Dichlorobenzene	11.77	146	902839	96.106	ug/L	100
63) 1,4-Dichlorobenzene	11.86	146	899369	95.478	ug/L	99
65) 1,2-Dichlorobenzene	12.24	146	904713	96.405	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	150711	101.108	ug/L	96
67) 1,3,5-Trichlorobenzene	13.24	180	520687	101.248	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	353387	105.495	ug/L	98
69) Naphthalene	14.11	128	1031779	111.323	ug/L	100
70) 1,2,3-Trichlorobenzene	14.35	180	356965	102.944	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 101.386 ug/L

RT: 1.40 min Scan# 145

Delta R.T. -0.00 min

Lab File: VU035513.D

Acq: 26 Oct 2019 12:52

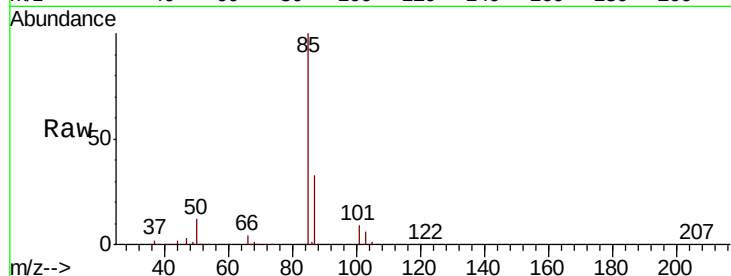
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 85 Resp: 513518

Ion Ratio Lower Upper

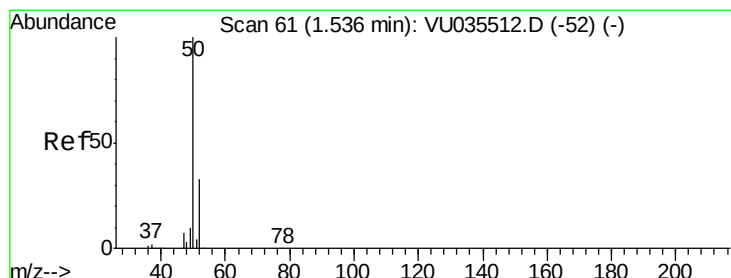
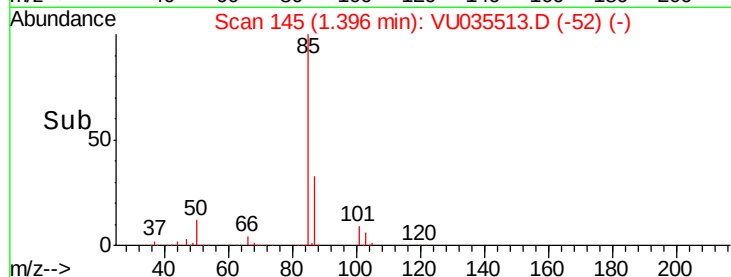
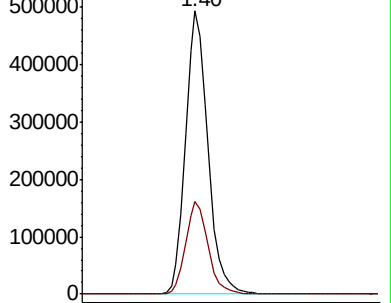
85 100

87 32.5 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VU035513.D (-10) (-)

Ion 87.00 (86.70 to 87.70): VU035513.D (-10) (-)



#3

Chloromethane

Concen: 103.407 ug/L

RT: 1.54 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU035513.D

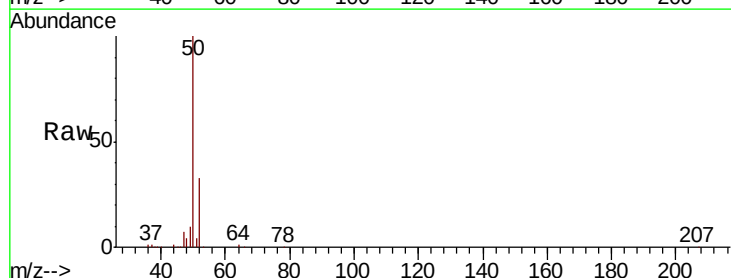
Acq: 26 Oct 2019 12:52

Tgt Ion: 50 Resp: 546511

Ion Ratio Lower Upper

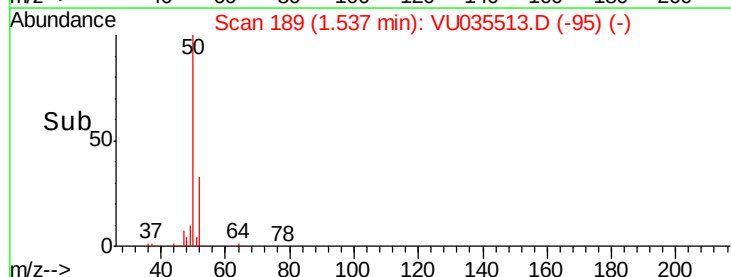
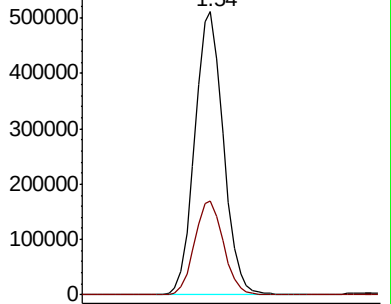
50 100

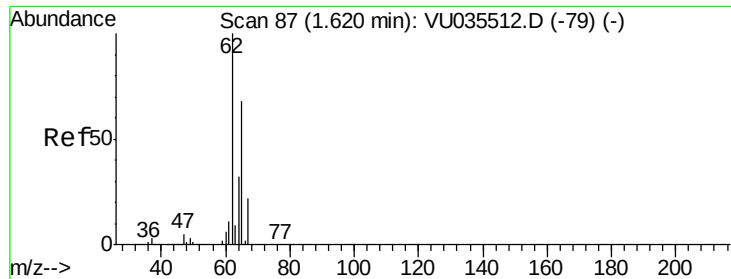
52 33.0 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VU035513.D (-52) (-)

Ion 52.00 (51.70 to 52.70): VU035513.D (-52) (-)





#5

Vinyl chloride

Concen: 110.703 ug/L

RT: 1.62 min Scan# 215

Delta R.T. 0.00 min

Lab File: VU035513.D

Acq: 26 Oct 2019 12:52

Instrument :

MSVOA_U

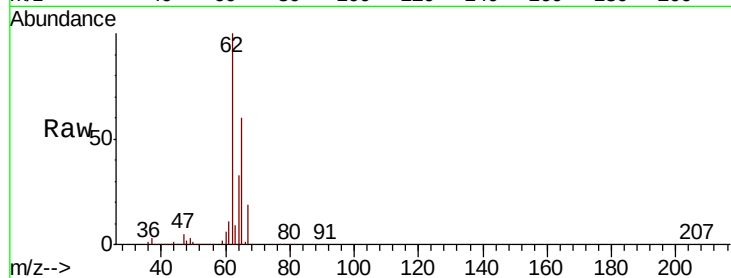
ClientSampleId :

Tot Ion: 62 Resp: 603903

Ion Ratio Lower Upper

62 100

64 33.1 23.8 44.2



Abundance Ion 62.00 (61.70 to 62.70): VU035512.D (-79) (-)

Ion 64.00 (63.70 to 64.70): VU035512.D (-79) (-)

1.62

600000

500000

400000

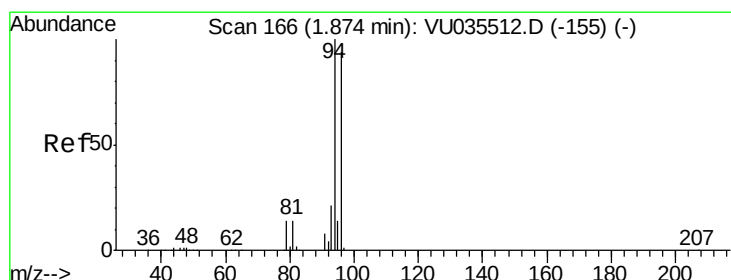
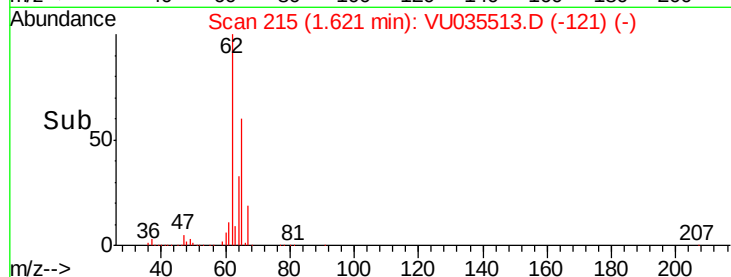
300000

200000

100000

0

Time--> 1.55 1.60 1.65 1.70



#6

Bromomethane

Concen: 92.067 ug/L

RT: 1.87 min Scan# 292

Delta R.T. -0.01 min

Lab File: VU035513.D

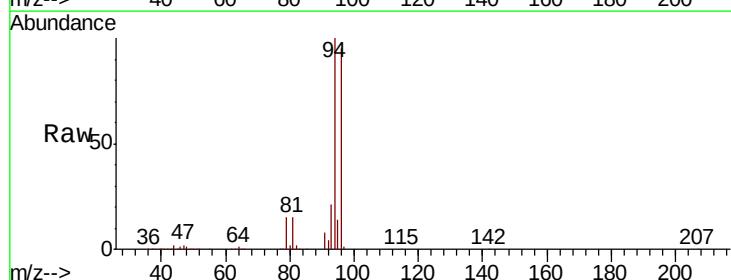
Acq: 26 Oct 2019 12:52

Tgt Ion: 94 Resp: 284604

Ion Ratio Lower Upper

94 100

96 95.4 65.7 121.9



Abundance Ion 94.00 (93.70 to 94.70): VU035512.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU035512.D (-155) (-)

1.87

200000

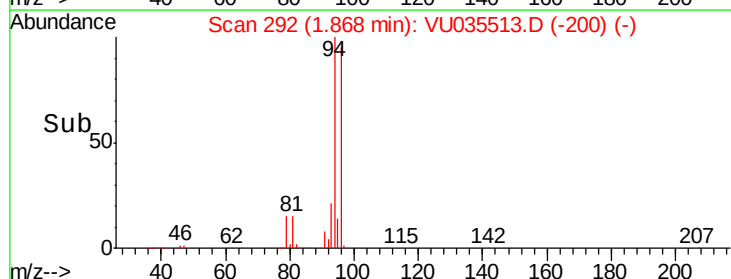
150000

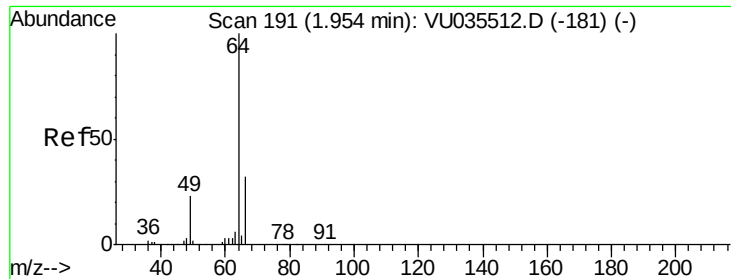
100000

50000

0

Time--> 1.80 1.85 1.90 1.95





#8

Chloroethane

Concen: 105.763 ug/L

RT: 1.95 min Scan# 318

Delta R.T. -0.00 min

Lab File: VU035513.D

Acq: 26 Oct 2019 12:52

Instrument :

MSVOA_U

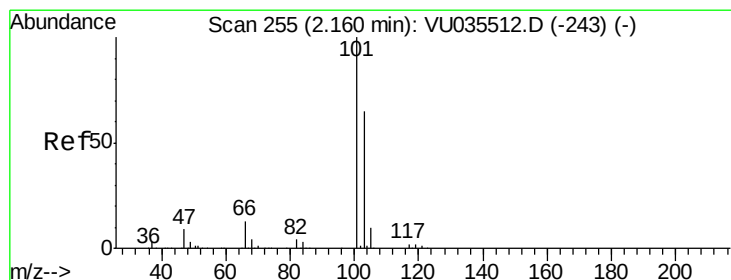
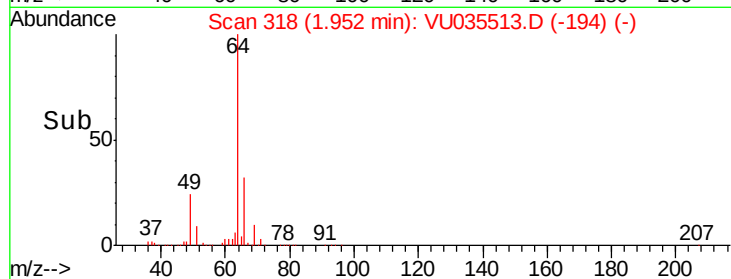
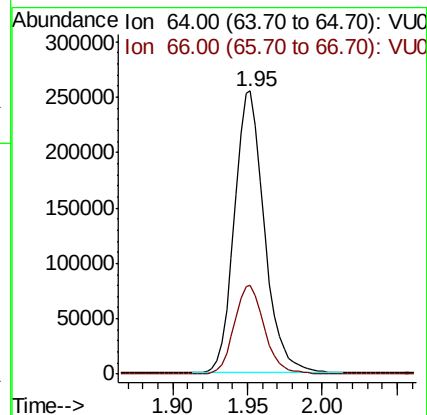
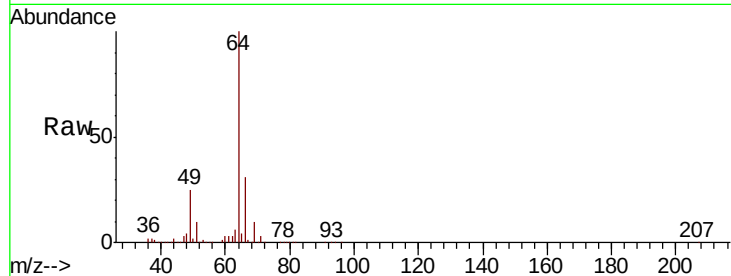
ClientSampleId :

Tot Ion: 64 Resp: 352551

Ion Ratio Lower Upper

64 100

66 31.5 22.3 41.5



#9

Trichlorofluoromethane

Concen: 101.332 ug/L

RT: 2.16 min Scan# 382

Delta R.T. -0.00 min

Lab File: VU035513.D

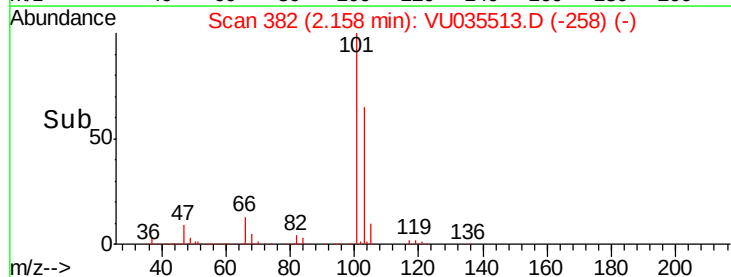
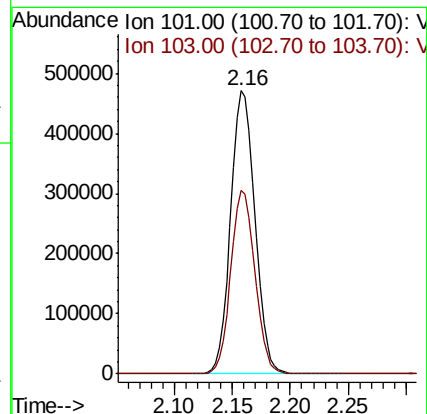
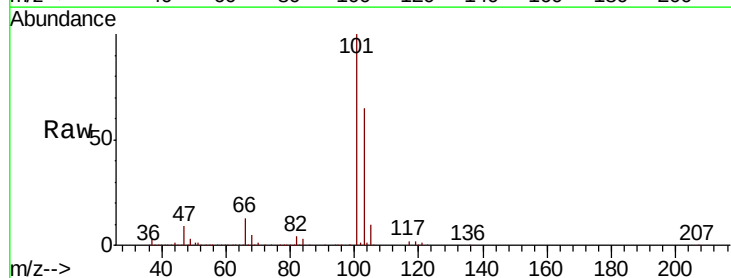
Acq: 26 Oct 2019 12:52

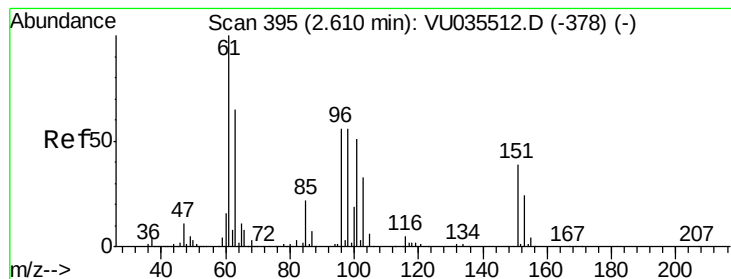
Tgt Ion: 101 Resp: 684019

Ion Ratio Lower Upper

101 100

103 64.5 51.7 77.5





#10

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

Concen: 101.583 ug/L

RT: 2.61 min Scan# 522

Delta R.T. -0.00 min

Lab File: VU035513.D

Acq: 26 Oct 2019 12:52

Instrument :

MSVOA_U

ClientSampleId :

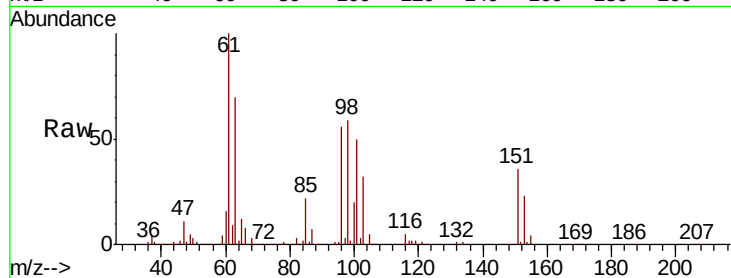
Tot Ion:101 Resp: 398996

Ion Ratio Lower Upper

101 100

85 43.5 34.6 52.0

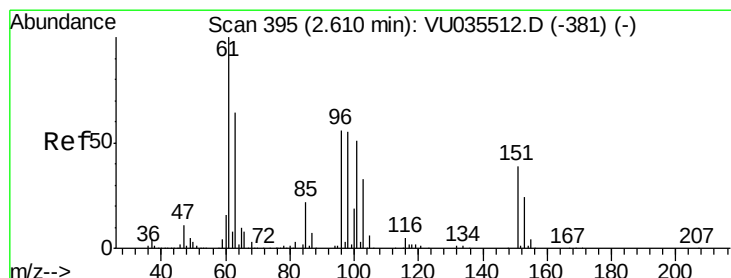
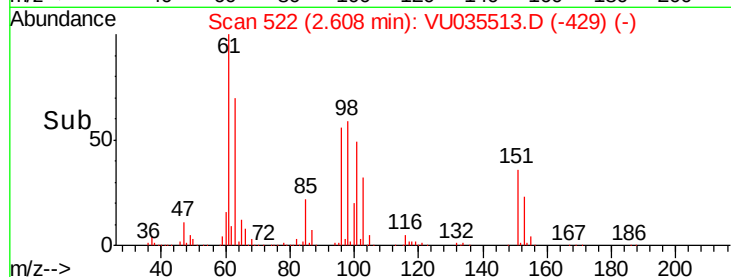
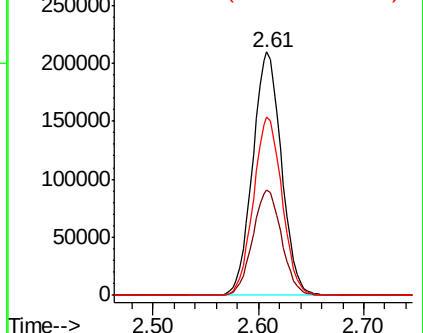
151 72.9 58.6 88.0



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: 101.441 ug/L

RT: 2.61 min Scan# 522

Delta R.T. -0.00 min

Lab File: VU035513.D

Acq: 26 Oct 2019 12:52

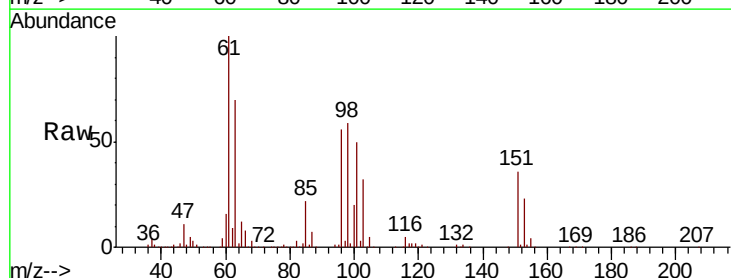
Tgt Ion: 96 Resp: 386092

Ion Ratio Lower Upper

96 100

61 177.8 125.2 232.4

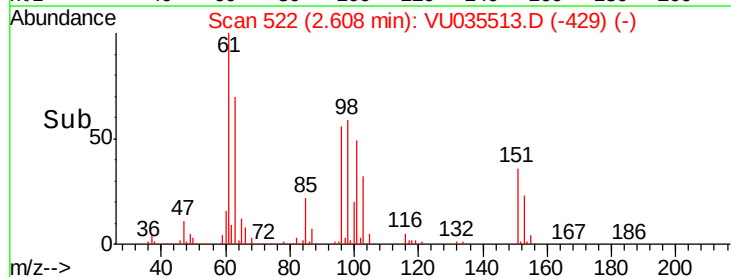
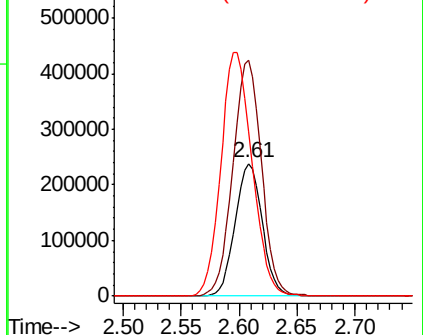
63 124.0 81.8 151.8

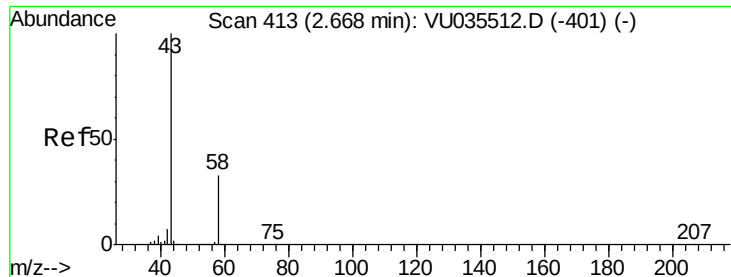


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 197.931 ug/L

RT: 2.67 min Scan# 540

Delta R.T. -0.00 min

Lab File: VU035513.D

Acq: 26 Oct 2019 12:52

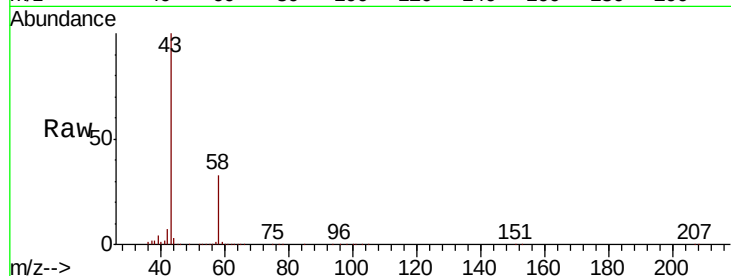
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 623713

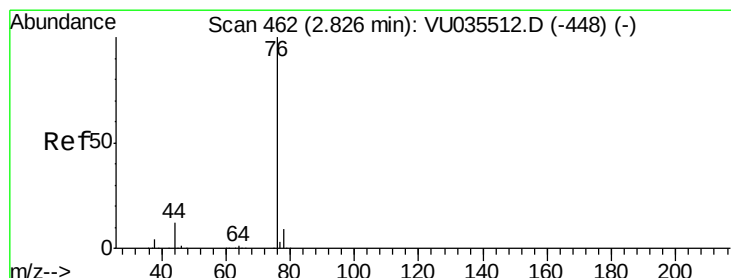
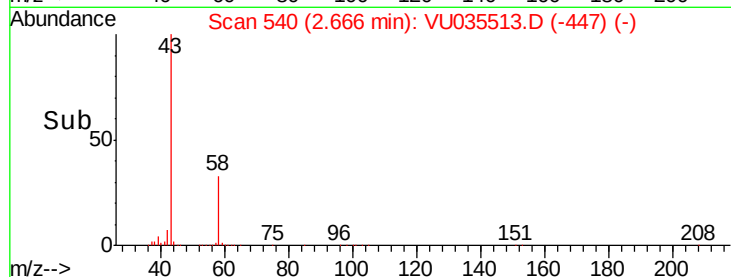
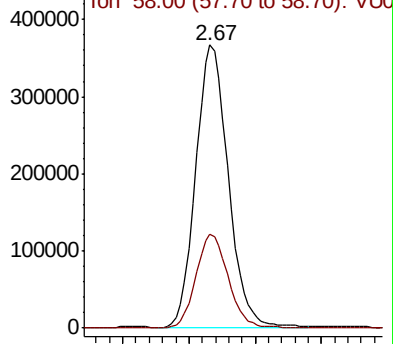
Ion Ratio Lower Upper

43 100

58 32.9 0.0 66.6



Abundance Ion 43.00 (42.70 to 43.70): VU035512.D (-401) (-)



#14

Carbon disulfide

Concen: 102.929 ug/L

RT: 2.82 min Scan# 589

Delta R.T. -0.00 min

Lab File: VU035513.D

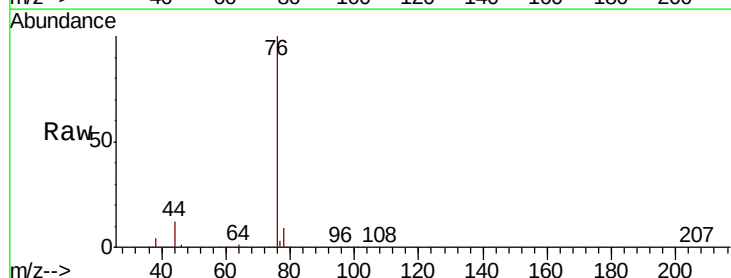
Acq: 26 Oct 2019 12:52

Tgt Ion: 76 Resp: 1245436

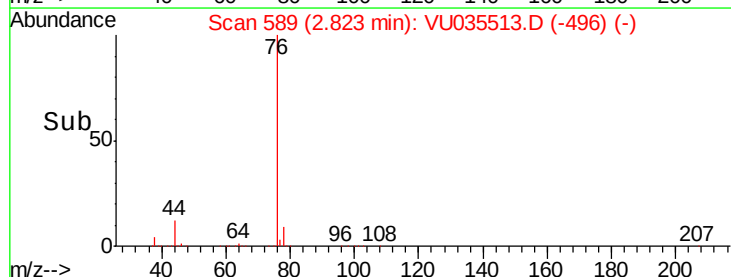
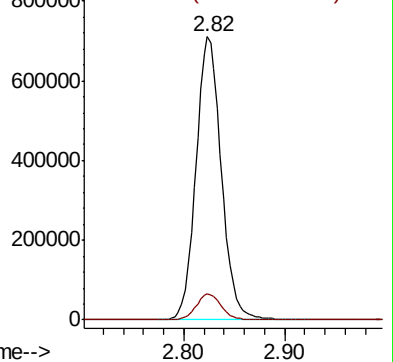
Ion Ratio Lower Upper

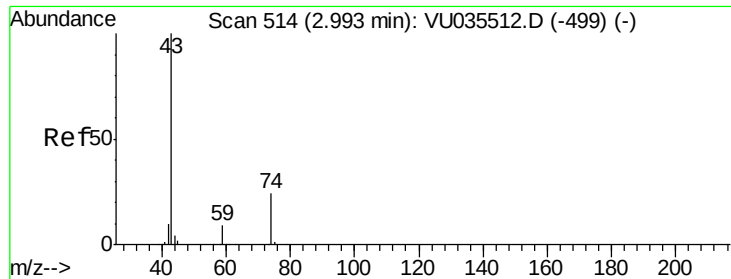
76 100

78 9.2 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VU035512.D (-448) (-)

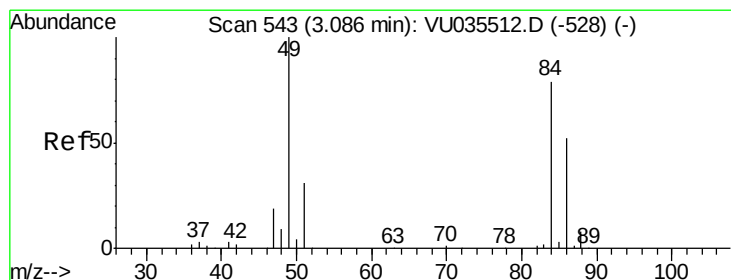
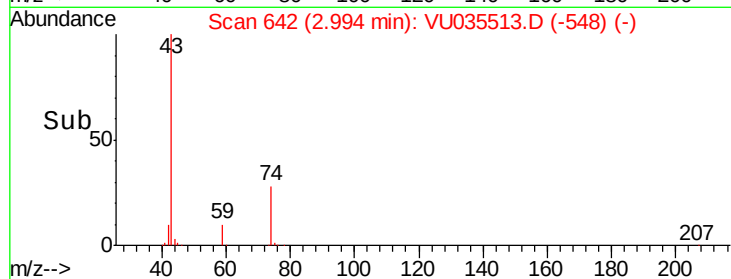
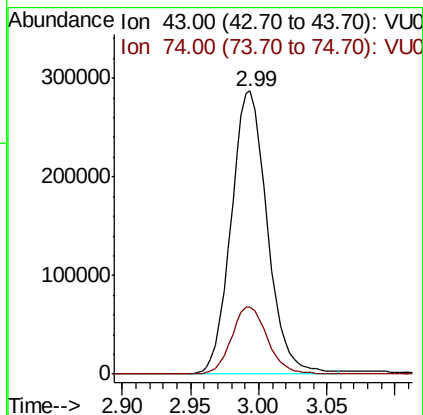
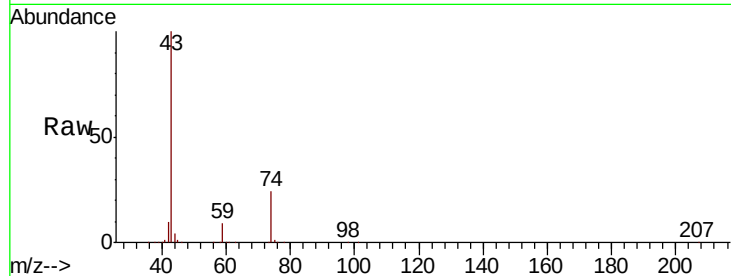




#15
Methvl Acetate
Concen: 109.172 ug/L
RT: 2.99 min Scan# 642
Delta R.T. 0.00 min
Lab File: VU035513.D
Acq: 26 Oct 2019 12:52

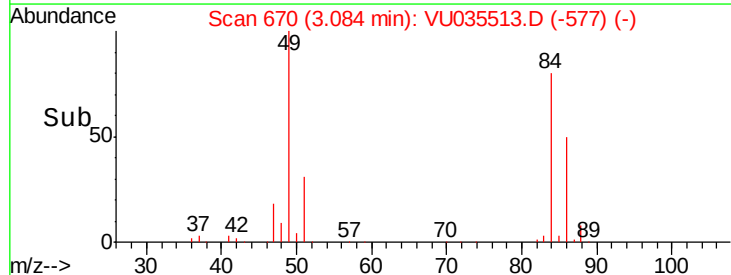
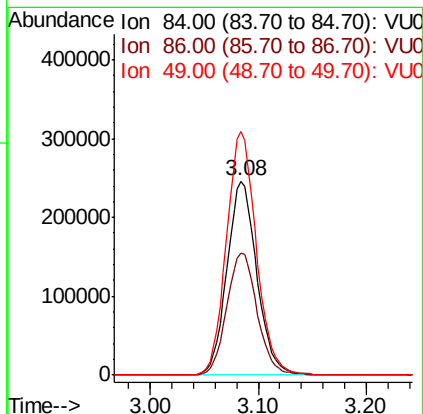
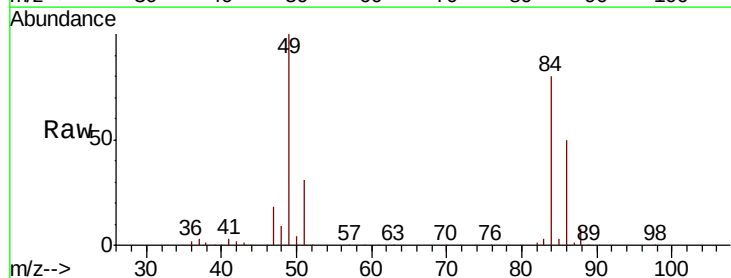
Instrument :
MSVOA_U
ClientSampleId :

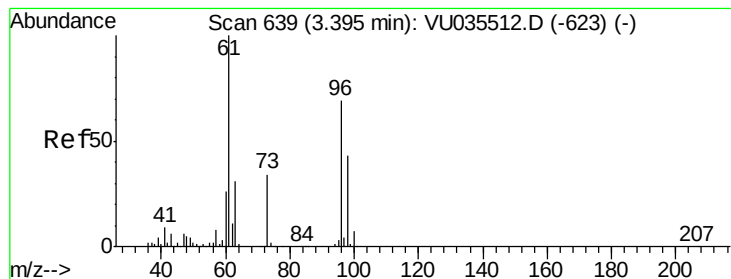
Tot Ion: 43 Resp: 522955
Ion Ratio Lower Upper
43 100
74 24.0 19.0 28.6



#16
Methylene chloride
Concen: 104.508 ug/L
RT: 3.08 min Scan# 670
Delta R.T. -0.00 min
Lab File: VU035513.D
Acq: 26 Oct 2019 12:52

Tgt Ion: 84 Resp: 476111
Ion Ratio Lower Upper
84 100
86 62.5 45.5 84.5
49 125.3 88.3 163.9





#17

trans-1,2-Dichloroethene

Concen: 101.890 ug/L

RT: 3.40 min Scan# 767

Delta R.T. 0.00 min

Lab File: VU035513.D

Acq: 26 Oct 2019 12:52

Instrument :
MSVOA_U
ClientSampled :

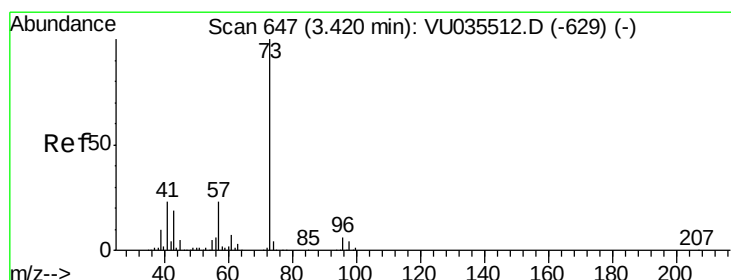
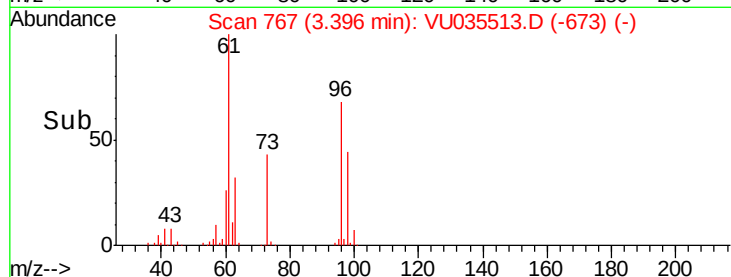
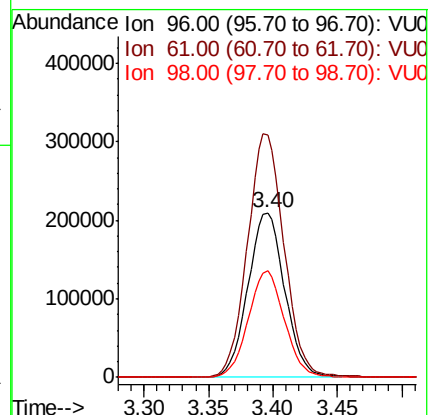
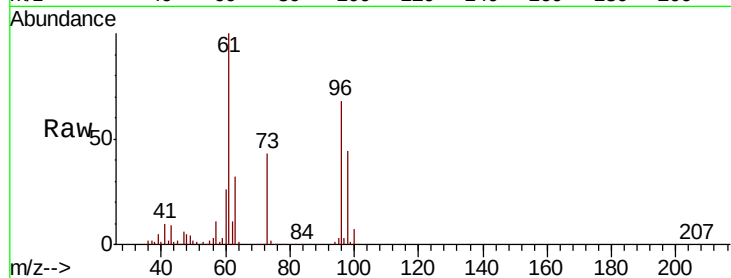
Tot Ion: 96 Resp: 416052

Ion Ratio Lower Upper

96 100

61 147.0 101.2 188.0

98 64.4 43.6 81.0



#18

Methyl tert-butyl Ether

Concen: 104.920 ug/L

RT: 3.42 min Scan# 775

Delta R.T. 0.00 min

Lab File: VU035513.D

Acq: 26 Oct 2019 12:52

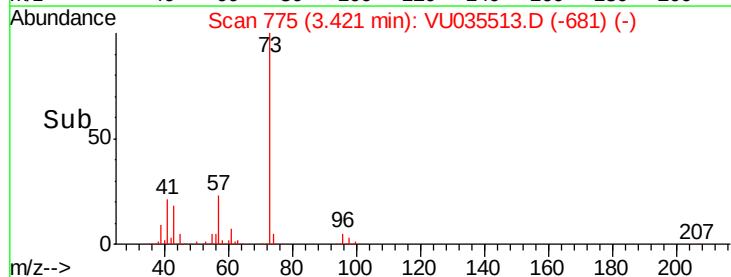
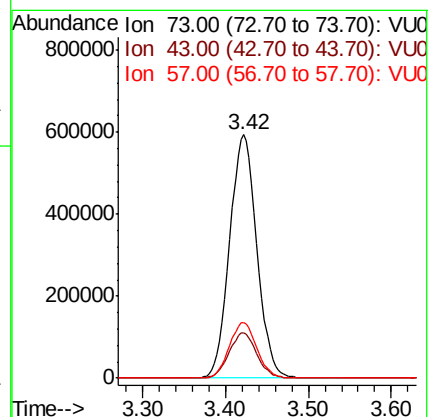
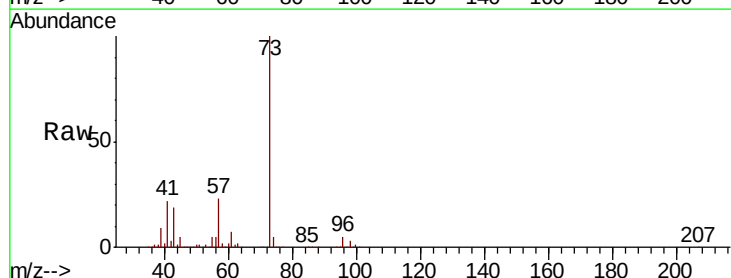
Tgt Ion: 73 Resp: 1353559

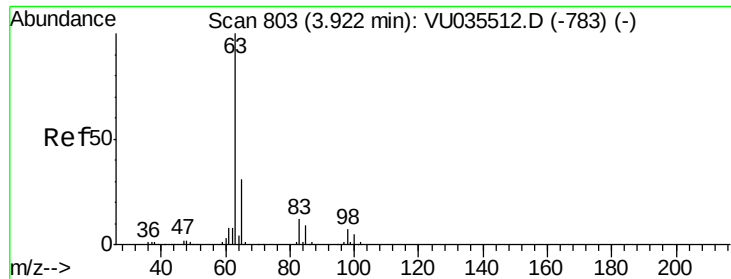
Ion Ratio Lower Upper

73 100

43 18.6 15.2 22.8

57 23.1 18.7 28.1

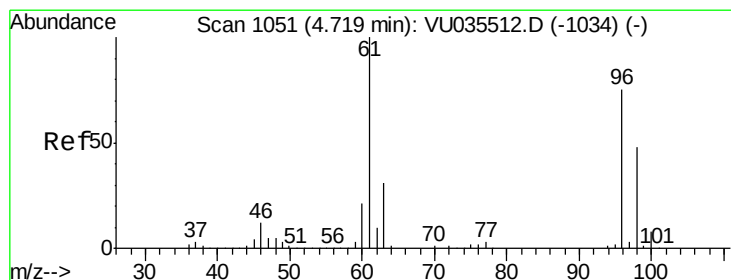
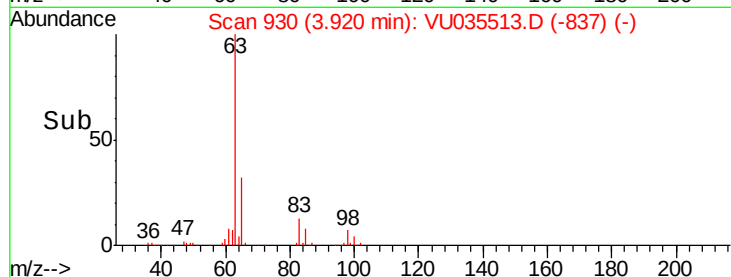
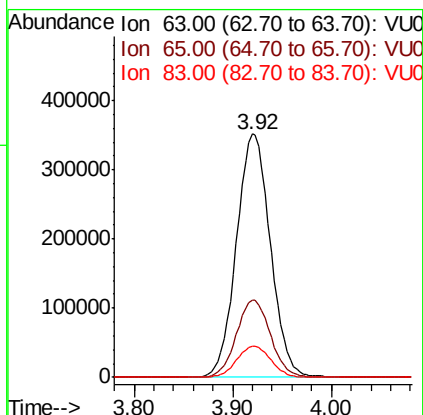
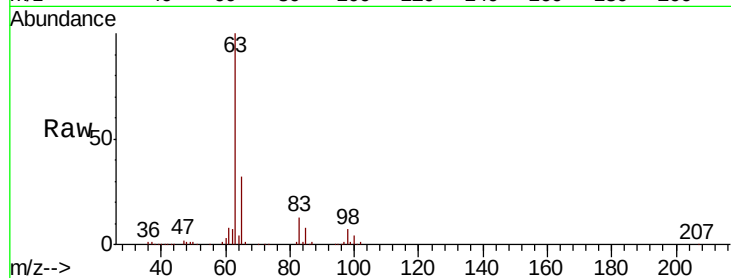




#19
 1,1-Dichloroethane
 Concen: 106.387 ug/L
 RT: 3.92 min Scan# 930
 Delta R.T. -0.00 min
 Lab File: VU035513.D
 Acq: 26 Oct 2019 12:52

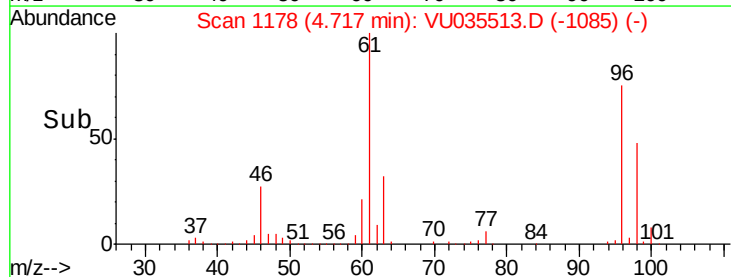
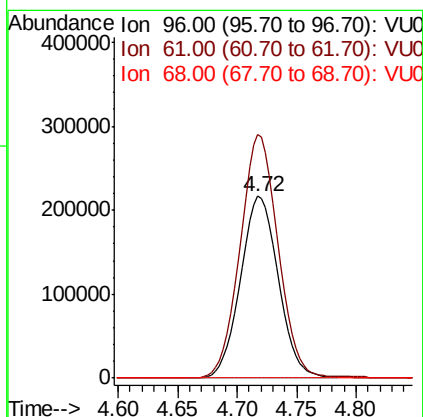
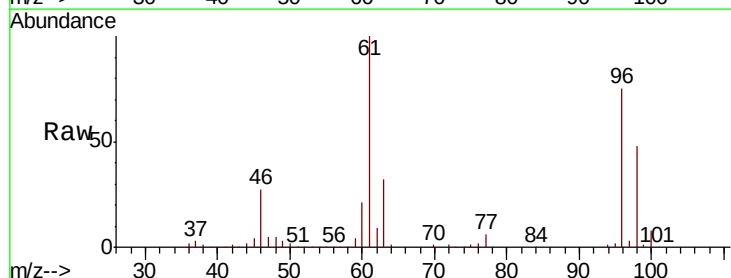
Instrument :
 MSVOA_U
 ClientSampleId :

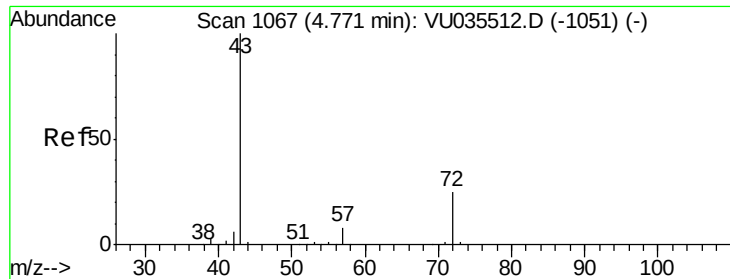
Tot Ion	63	Resp	838097
Ion	Ratio	Lower	Upper
63	100		
65	31.9	21.7	40.3
83	12.7	8.7	16.1



#20
 cis-1,2-Dichloroethene
 Concen: 103.321 ug/L
 RT: 4.72 min Scan# 1178
 Delta R.T. -0.00 min
 Lab File: VU035513.D
 Acq: 26 Oct 2019 12:52

Tgt Ion	96	Resp	478830
Ion	Ratio	Lower	Upper
96	100		
61	134.0	93.0	172.8
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 215.036 ug/L

RT: 4.77 min Scan# 1195

Delta R.T. 0.00 min

Lab File: VU035513.D

Acq: 26 Oct 2019 12:52

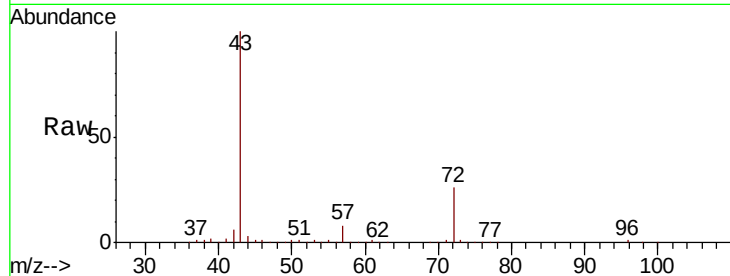
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 829817

Ion Ratio Lower Upper

43 100

72 27.1 13.4 40.1



Abundance Ion 43.00 (42.70 to 43.70): VU035512.D (-1051) (-)

Ion 72.00 (71.70 to 72.70): VU035512.D (-1051) (-)

4.77

400000

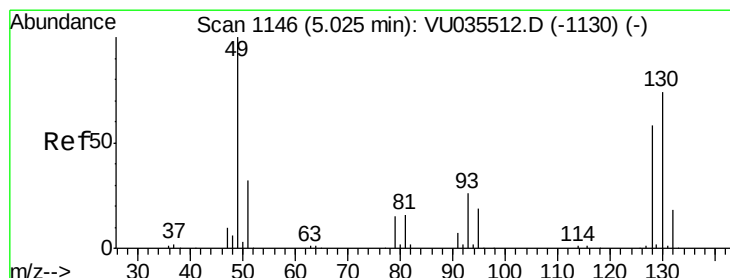
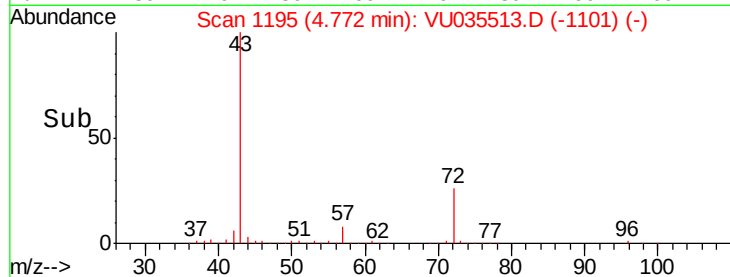
300000

200000

100000

0

Time-->



#23

Bromochloromethane

Concen: 102.954 ug/L

RT: 5.03 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VU035513.D

Acq: 26 Oct 2019 12:52

Tgt Ion:128 Resp: 239641

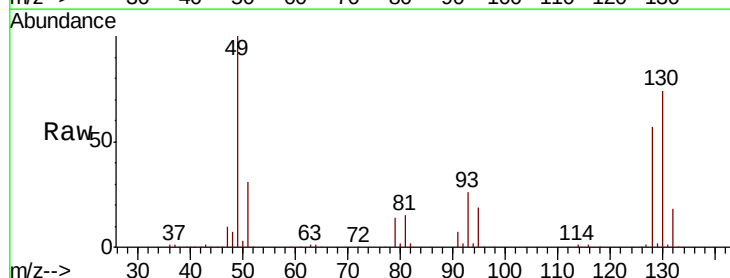
Ion Ratio Lower Upper

128 100

49 175.6 121.1 224.9

130 129.4 89.0 165.2

51 54.6 43.8 65.8



Abundance Ion 128.00 (127.70 to 128.70): VU035513.D (-1180) (-)

Ion 49.00 (48.70 to 49.70): VU035513.D (-1180) (-)

Ion 130.00 (129.70 to 130.70): VU035513.D (-1180) (-)

Ion 51.00 (50.70 to 51.70): VU035513.D (-1180) (-)

300000

250000

200000

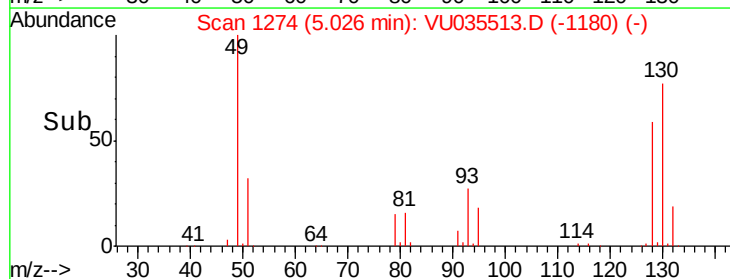
150000

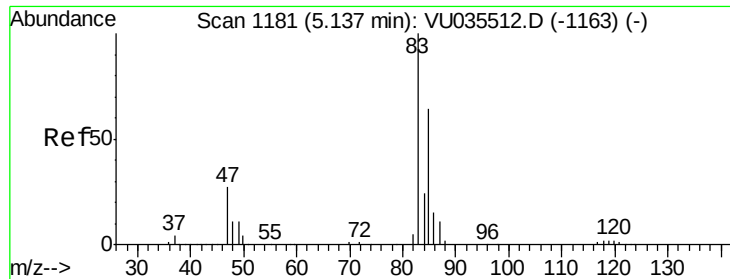
100000

50000

0

Time-->

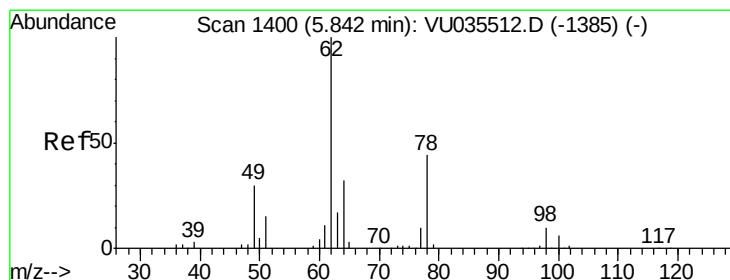
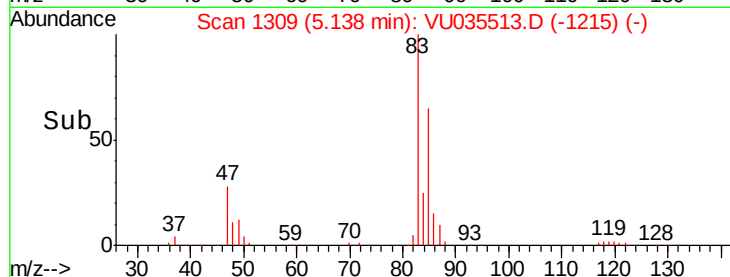
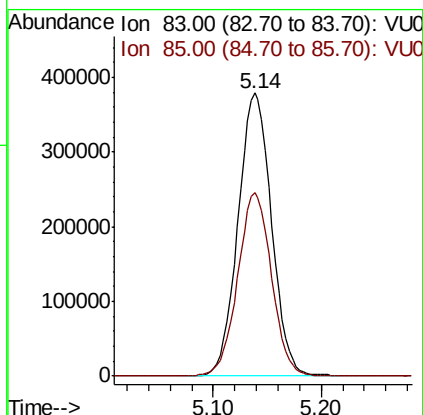
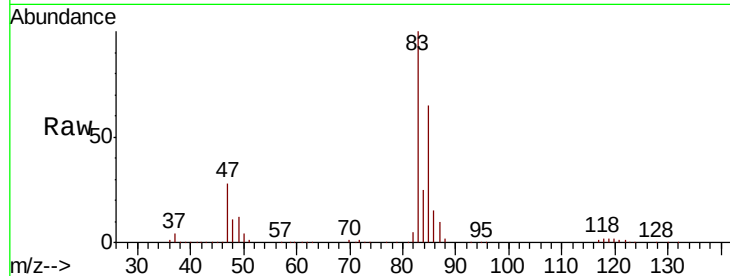




#25
Chloroform
Concen: 101.623 ug/L
RT: 5.14 min Scan# 1309
Delta R.T. 0.00 min
Lab File: VU035513.D
Acq: 26 Oct 2019 12:52

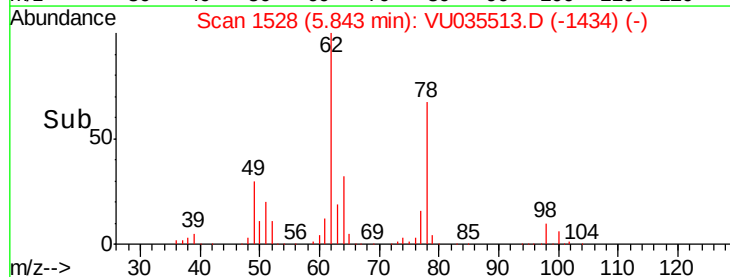
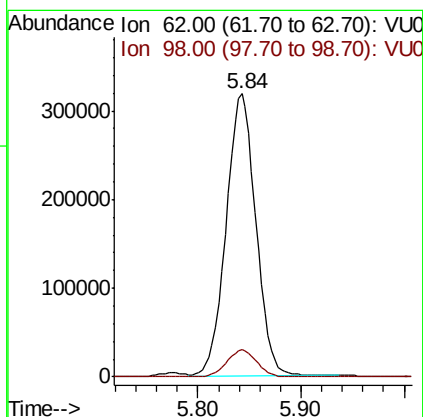
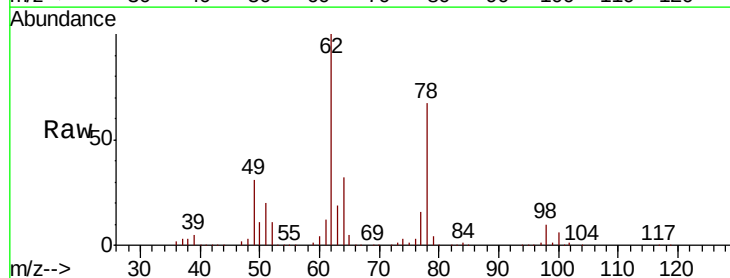
Instrument :
MSVOA_U
ClientSampled :

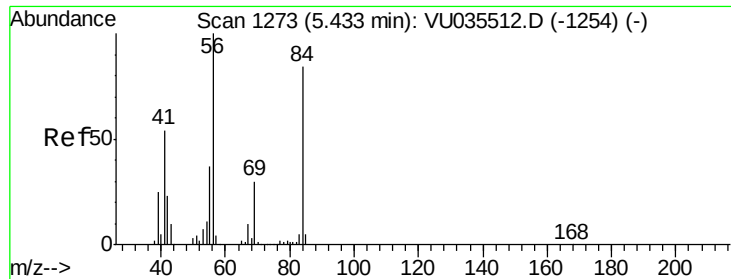
Tot Ion: 83 Resp: 818518
Ion Ratio Lower Upper
83 100
85 65.1 45.1 83.9



#27
1,2-Dichloroethane
Concen: 102.980 ug/L
RT: 5.84 min Scan# 1528
Delta R.T. 0.00 min
Lab File: VU035513.D
Acq: 26 Oct 2019 12:52

Tgt Ion: 62 Resp: 641086
Ion Ratio Lower Upper
62 100
98 9.7 7.8 11.6

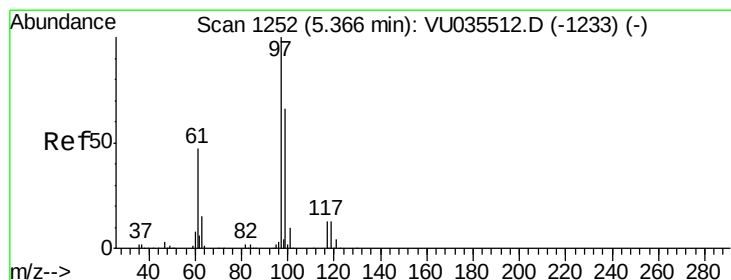
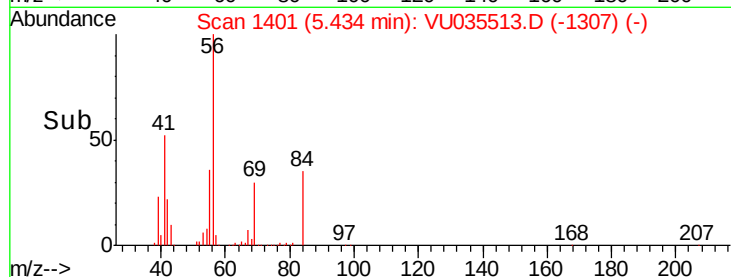
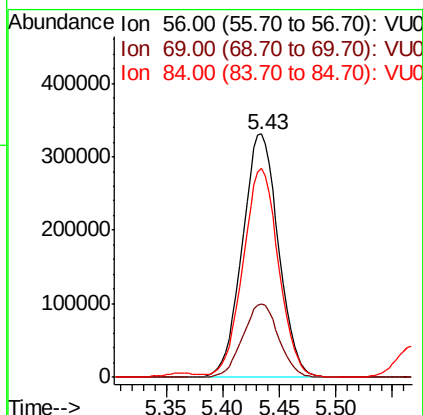
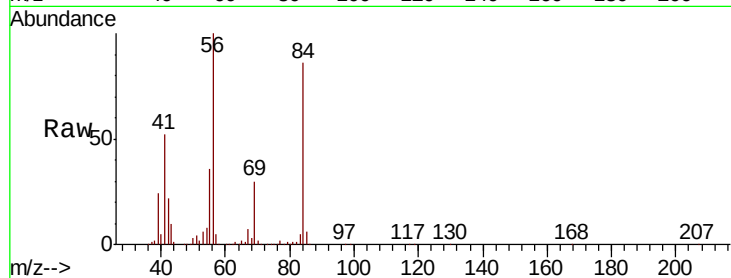




#29
Cyclohexane
Concen: 105.600 ug/L
RT: 5.43 min Scan# 1401
Delta R.T. 0.00 min
Lab File: VU035513.D
Acq: 26 Oct 2019 12:52

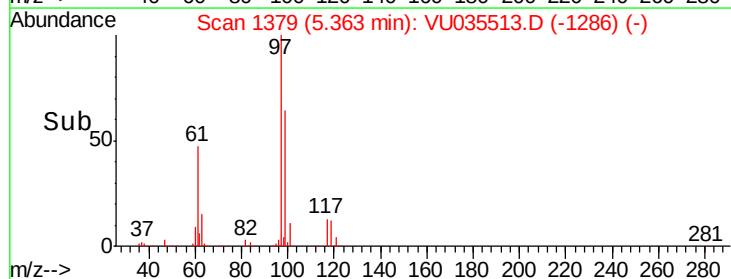
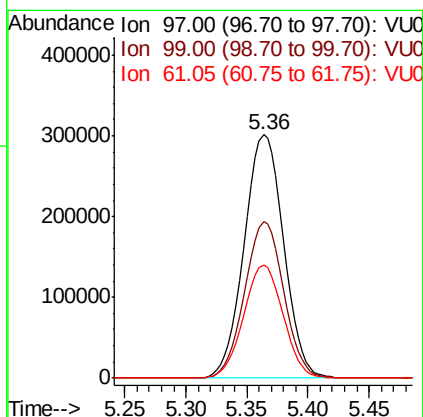
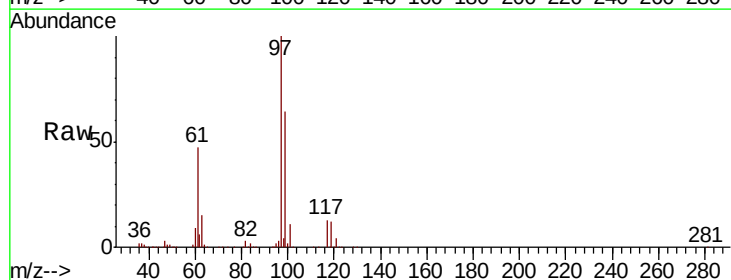
Instrument :
MSVOA_U
ClientSampled :

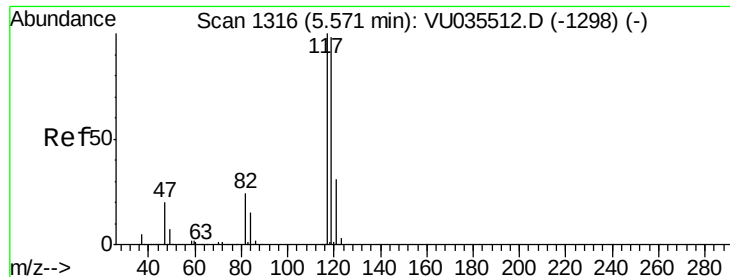
Tot Ion: 56 Resp: 735387
Ion Ratio Lower Upper
56 100
69 30.0 23.7 35.5
84 84.4 67.7 101.5



#30
1,1,1-Trichloroethane
Concen: 99.129 ug/L
RT: 5.36 min Scan# 1379
Delta R.T. -0.00 min
Lab File: VU035513.D
Acq: 26 Oct 2019 12:52

Tgt Ion: 97 Resp: 675786
Ion Ratio Lower Upper
97 100
99 63.8 51.6 77.4
61 46.3 37.3 55.9





#31

Carbon tetrachloride

Concen: 101.331 ug/L

RT: 5.57 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VU035513.D

Acq: 26 Oct 2019 12:52

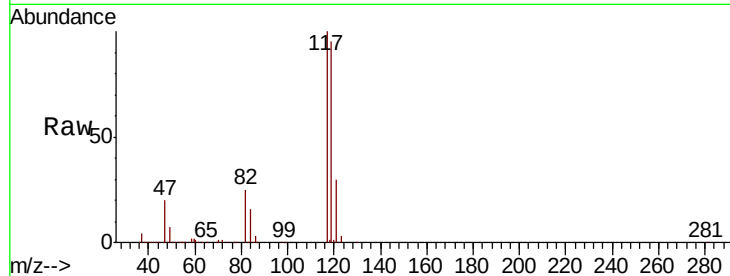
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 603637

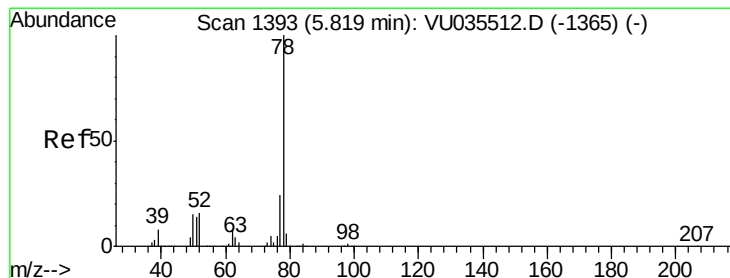
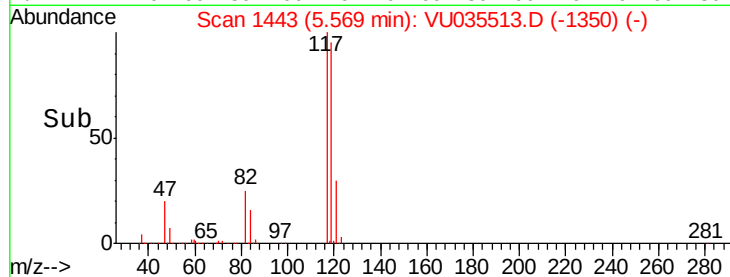
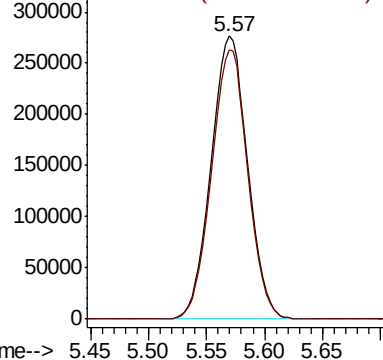
Ion Ratio Lower Upper

117 100

119 94.8 77.8 116.6



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 104.202 ug/L

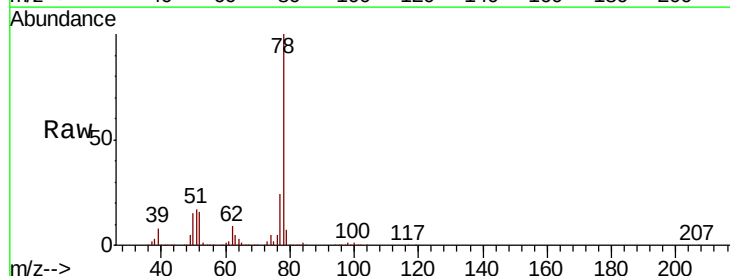
RT: 5.82 min Scan# 1521

Delta R.T. 0.00 min

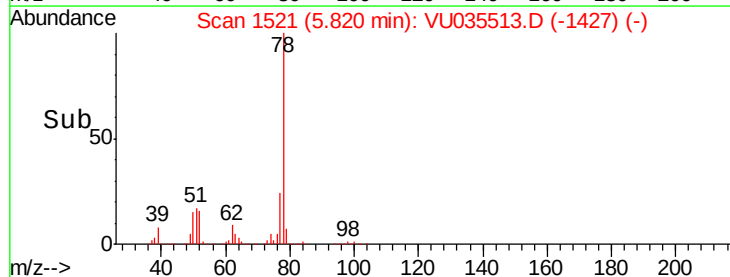
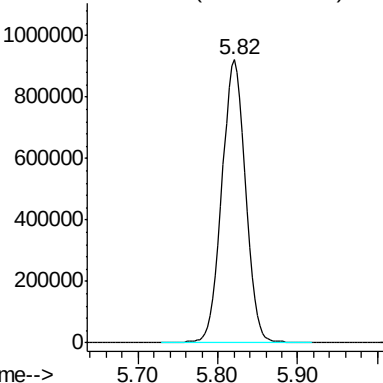
Lab File: VU035513.D

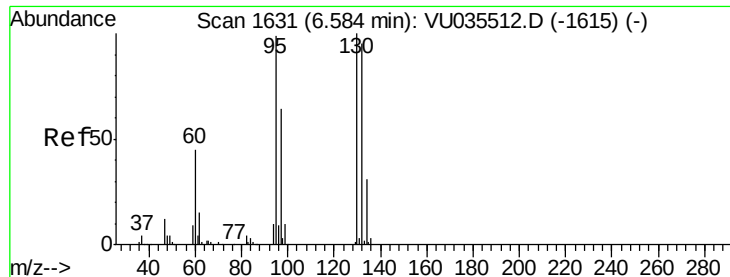
Acq: 26 Oct 2019 12:52

Tgt Ion: 78 Resp: 1852666



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 99.415 ug/L

RT: 6.58 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VU035513.D

Acq: 26 Oct 2019 12:52

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 448549

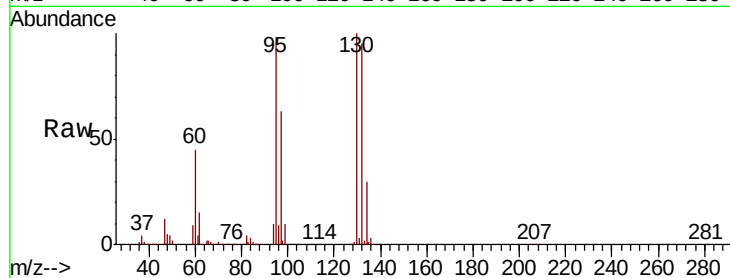
Ion Ratio Lower Upper

95 100

97 64.5 45.1 83.7

132 97.1 67.2 124.8

130 101.7 70.6 131.0

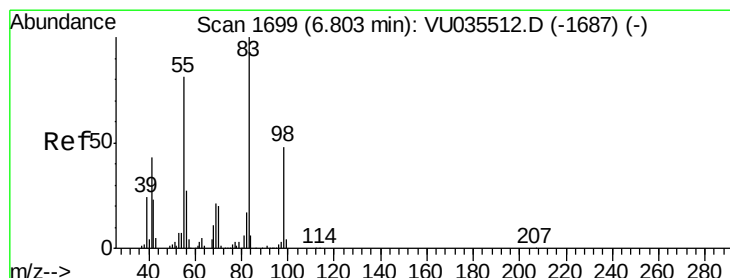
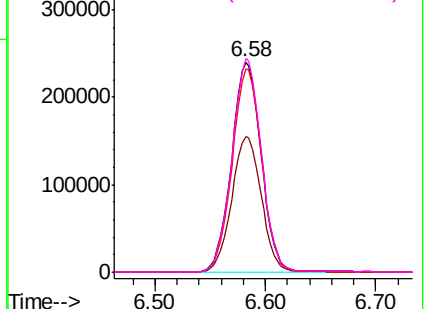
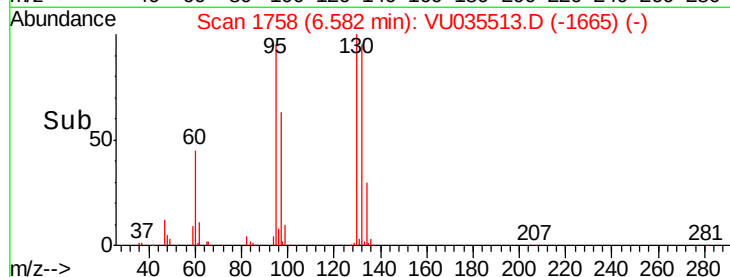


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 100.085 ug/L

RT: 6.80 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VU035513.D

Acq: 26 Oct 2019 12:52

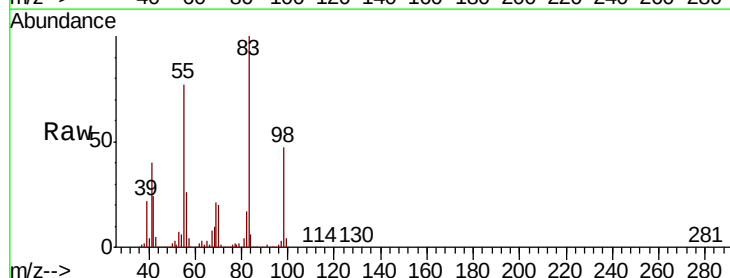
Tgt Ion: 83 Resp: 687522

Ion Ratio Lower Upper

83 100

55 77.3 65.1 97.7

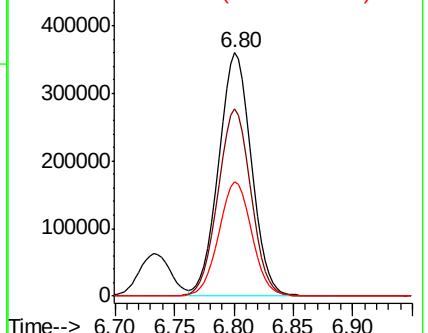
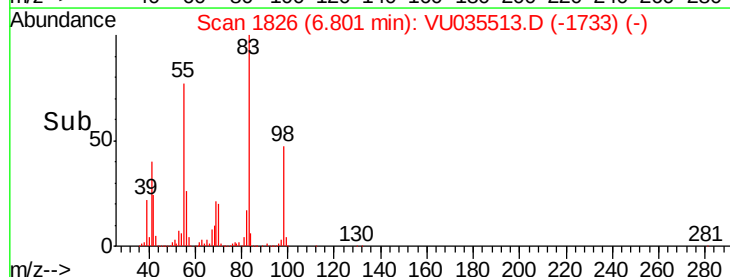
98 47.2 38.9 58.3

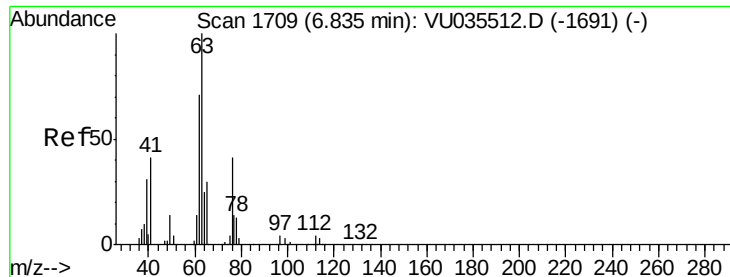


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

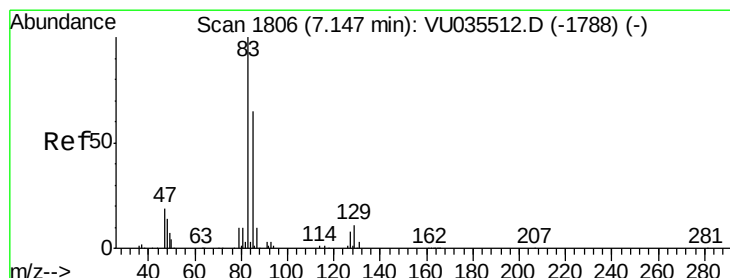
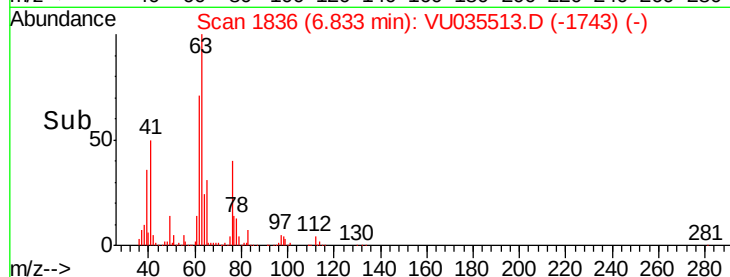
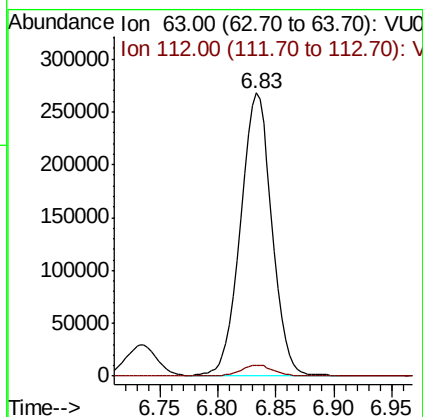
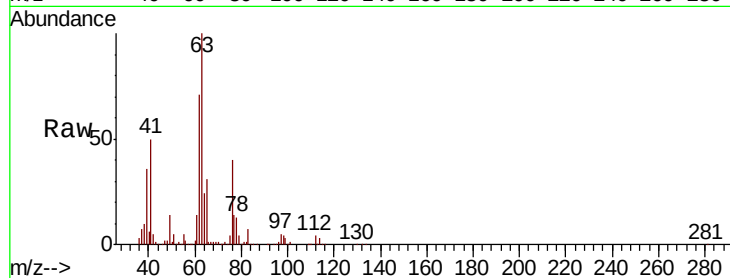




#37
 1,2-Dichloropropane
 Concen: 107.847 ug/L
 RT: 6.83 min Scan# 1836
 Delta R.T. -0.00 min
 Lab File: VU035513.D
 Acq: 26 Oct 2019 12:52

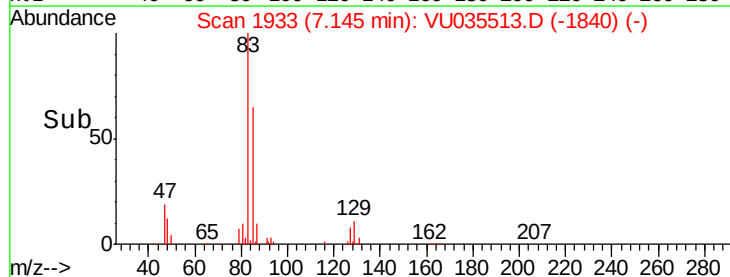
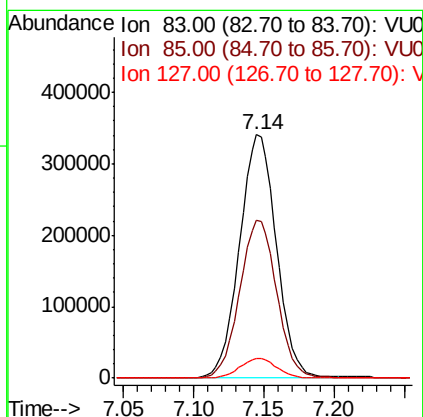
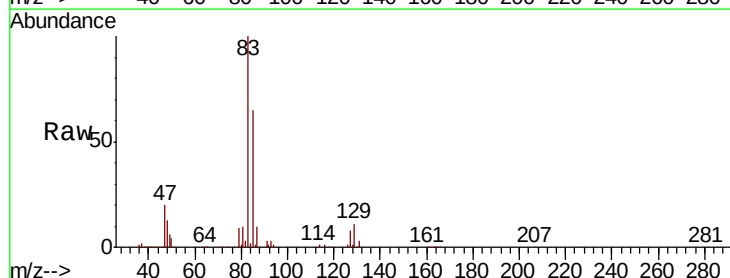
Instrument :
 MSVOA_U
 ClientSampleId :

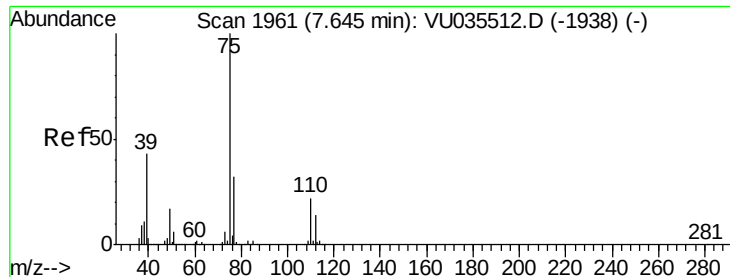
Tot Ion: 63 Resp: 499830
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.4 5.0



#38
 Bromodichloromethane
 Concen: 101.331 ug/L
 RT: 7.14 min Scan# 1933
 Delta R.T. -0.00 min
 Lab File: VU035513.D
 Acq: 26 Oct 2019 12:52

Tgt Ion: 83 Resp: 621530
 Ion Ratio Lower Upper
 83 100
 85 64.7 45.6 84.6
 127 8.3 6.6 10.0

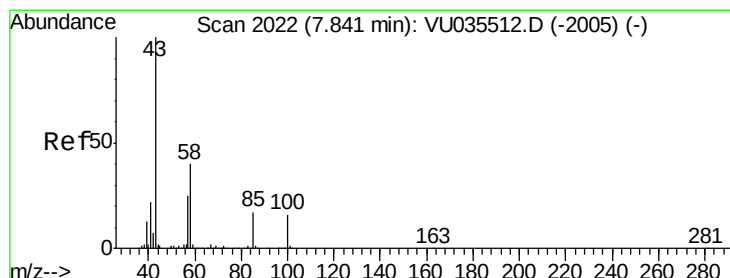
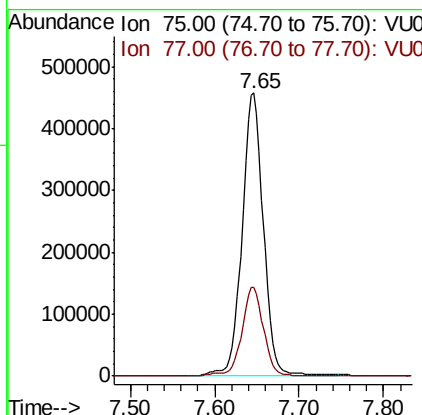
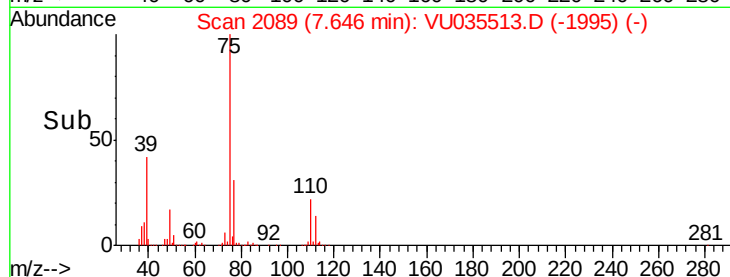
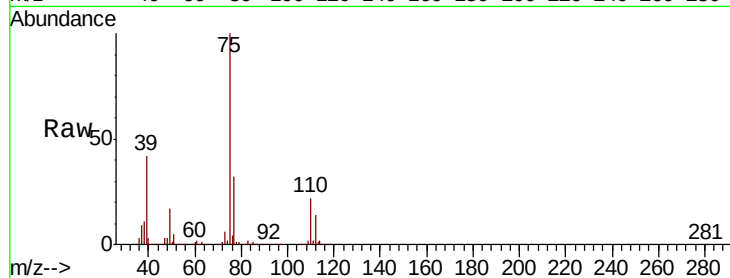




#39
 cis-1,3-Dichloropropene
 Concen: 109.537 ug/L
 RT: 7.65 min Scan# 2089
 Delta R.T. 0.00 min
 Lab File: VU035513.D
 Acq: 26 Oct 2019 12:52

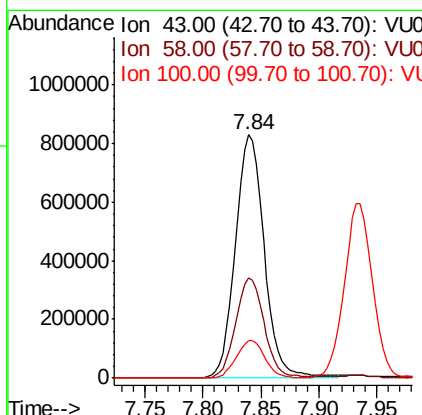
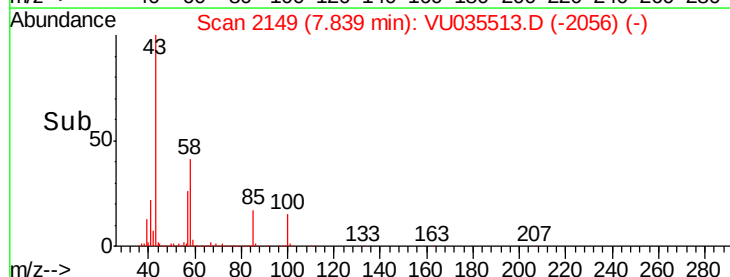
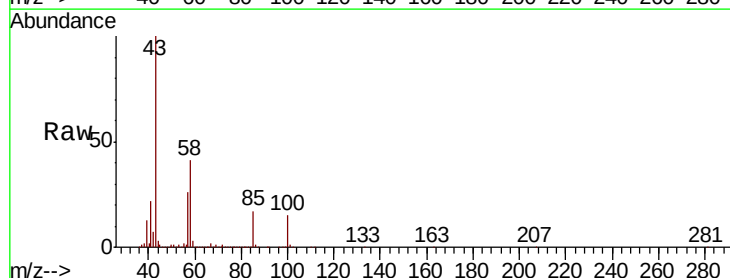
Instrument :
 MSVOA_U
 ClientSampleId :

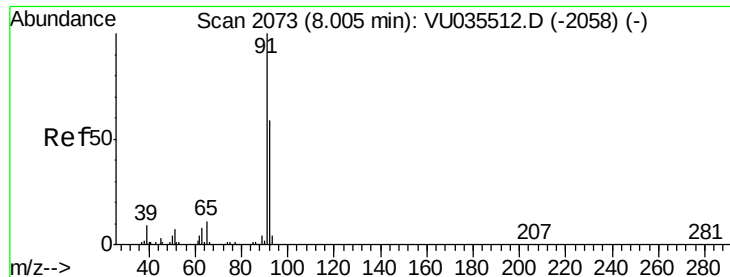
Tot Ion: 75 Resp: 811453
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 210.998 ug/L
 RT: 7.84 min Scan# 2149
 Delta R.T. -0.00 min
 Lab File: VU035513.D
 Acq: 26 Oct 2019 12:52

Tgt Ion: 43 Resp: 1433797
 Ion Ratio Lower Upper
 43 100
 58 40.9 31.9 47.9
 100 15.4 12.3 18.5





#42

Toluene

Concen: 101.955 ug/L

RT: 8.00 min Scan# 2200

Delta R.T. -0.00 min

Lab File: VU035513.D

Acq: 26 Oct 2019 12:52

Instrument :

MSVOA_U

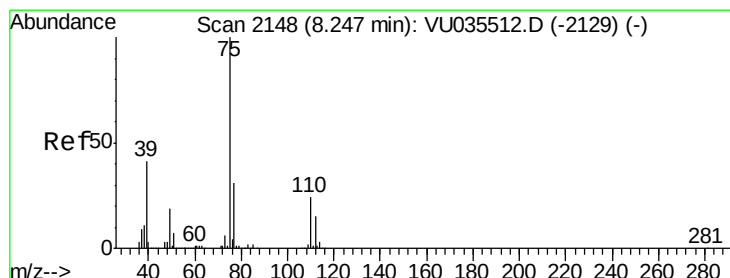
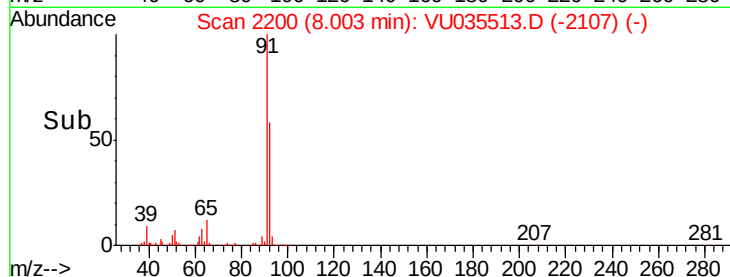
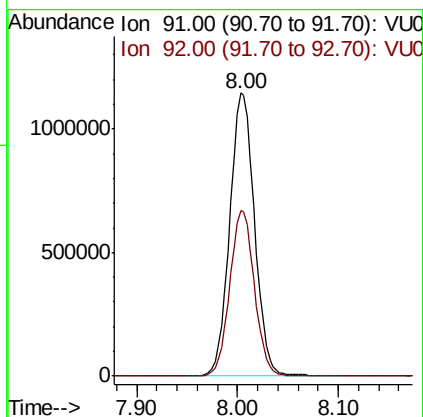
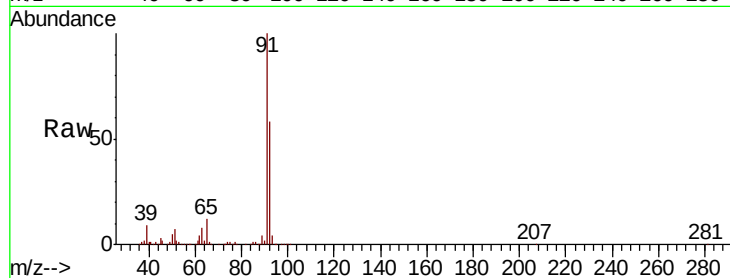
ClientSampled :

Tot Ion: 91 Resp: 1968816

Ion Ratio Lower Upper

91 100

92 58.3 41.0 76.2



#44

trans-1,3-Dichloropropene

Concen: 103.756 ug/L

RT: 8.24 min Scan# 2275

Delta R.T. -0.00 min

Lab File: VU035513.D

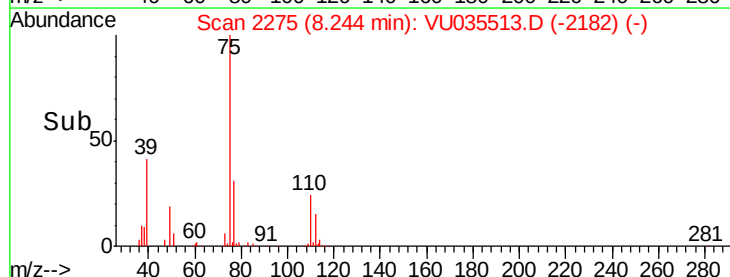
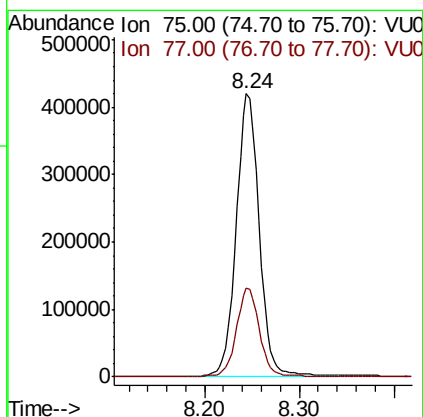
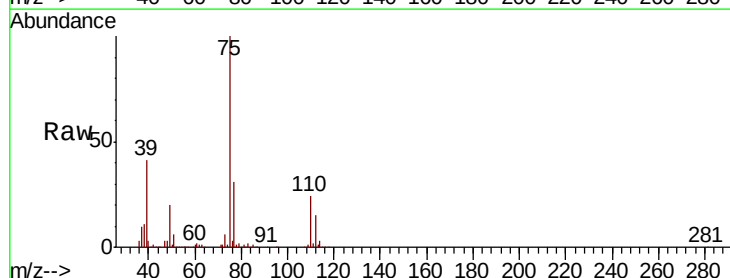
Acq: 26 Oct 2019 12:52

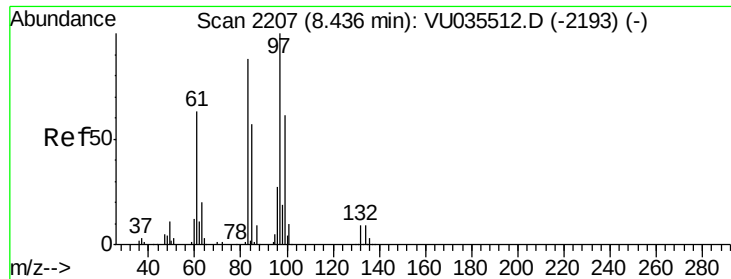
Tgt Ion: 75 Resp: 714249

Ion Ratio Lower Upper

75 100

77 31.3 21.9 40.7

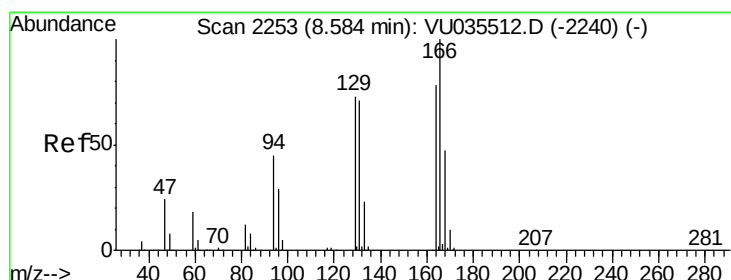
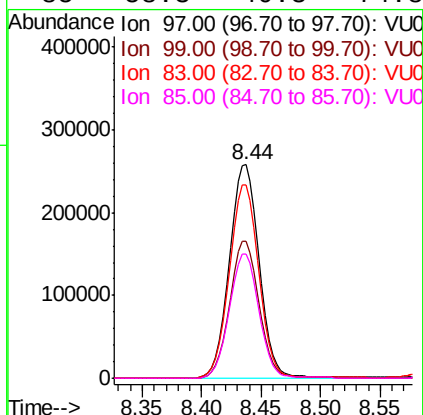
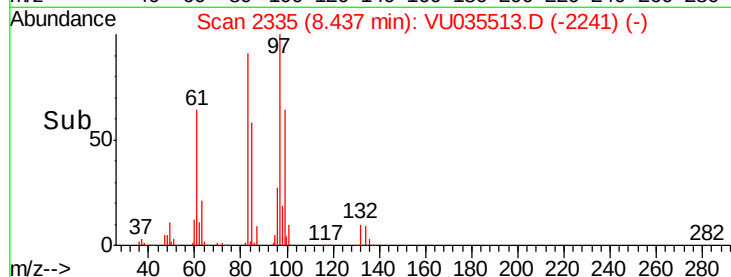
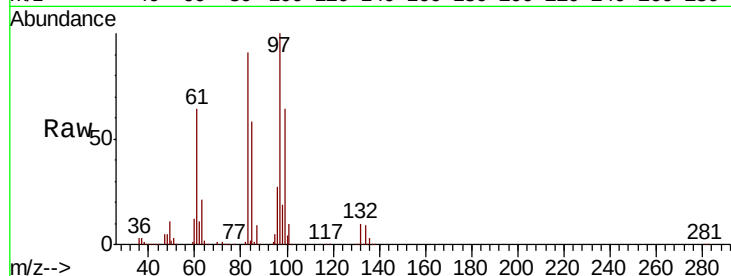




#45
 1,1,2-Trichloroethane
 Concen: 99.377 ug/L
 RT: 8.44 min Scan# 2335
 Delta R.T. 0.00 min
 Lab File: VU035513.D
 Acq: 26 Oct 2019 12:52

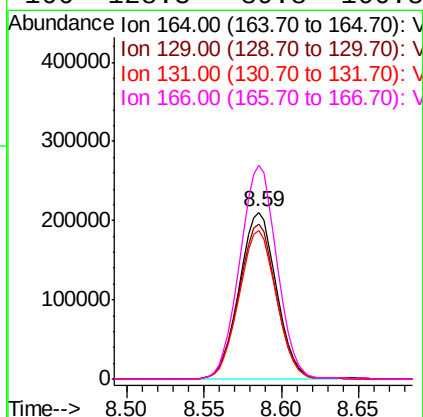
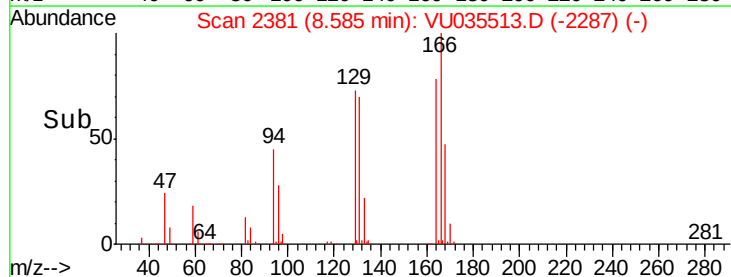
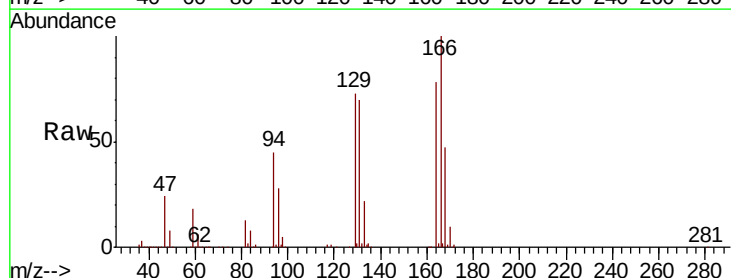
Instrument :
 MSVOA_U
 ClientSampleId :

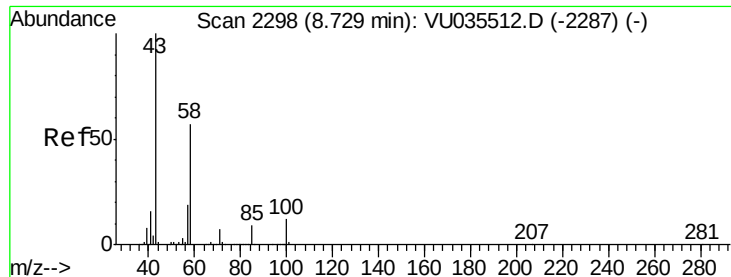
Tot Ion:	97	Resp:	448968
Ion	Ratio	Lower	Upper
97	100		
99	64.0	42.7	79.3
83	90.7	61.7	114.5
85	58.3	40.3	74.8



#46
 Tetrachloroethene
 Concen: 96.926 ug/L
 RT: 8.59 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU035513.D
 Acq: 26 Oct 2019 12:52

Tgt Ion:	164	Resp:	352060
Ion	Ratio	Lower	Upper
164	100		
129	93.3	65.9	122.3
131	89.2	63.6	118.0
166	128.3	89.8	166.8

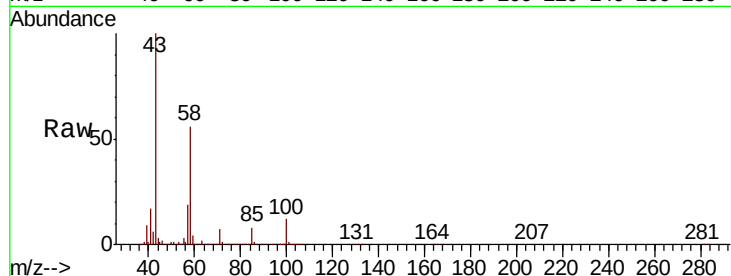




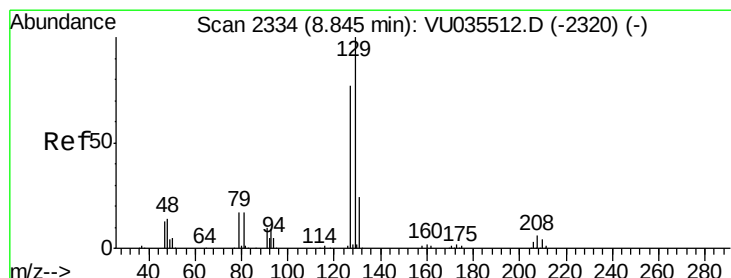
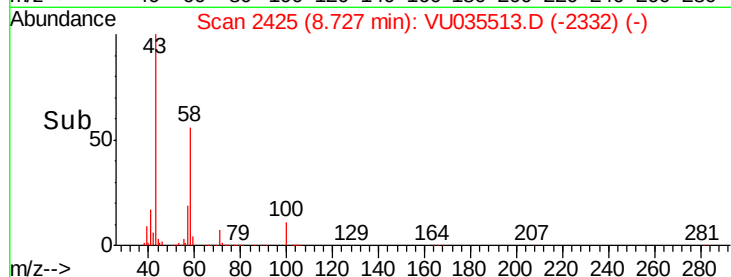
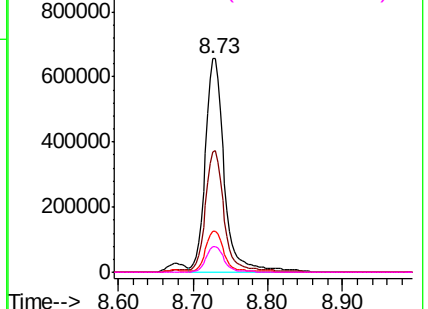
#48
2-Hexanone
Concen: 201.818 ug/L
RT: 8.73 min Scan# 2425
Delta R.T. -0.00 min
Lab File: VU035513.D
Acq: 26 Oct 2019 12:52

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 1160960
Ion Ratio Lower Upper
43 100
58 56.5 45.6 68.4
57 18.7 14.1 21.1
100 11.9 9.2 13.8

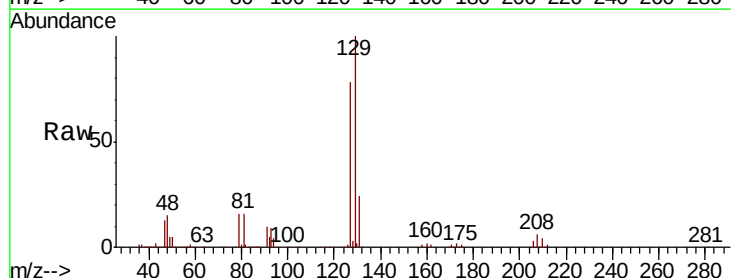


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

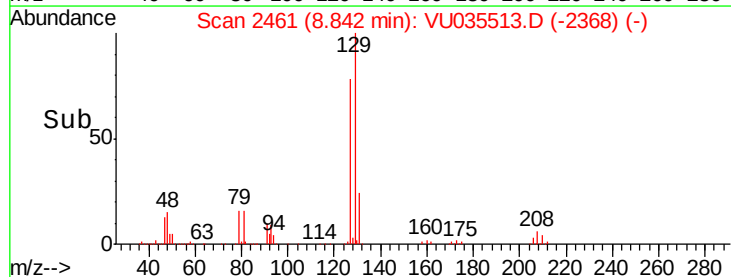
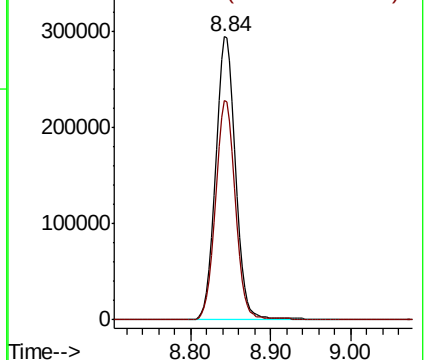


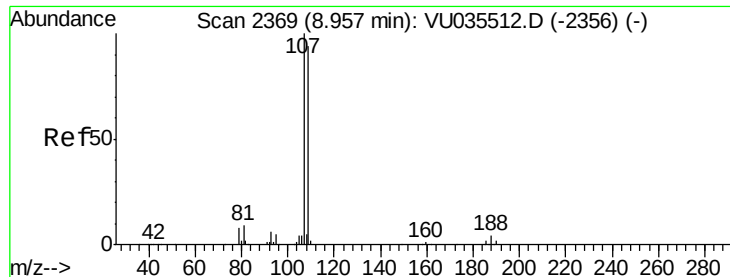
#49
Dibromochloromethane
Concen: 102.010 ug/L
RT: 8.84 min Scan# 2461
Delta R.T. -0.00 min
Lab File: VU035513.D
Acq: 26 Oct 2019 12:52

Tgt Ion: 129 Resp: 511332
Ion Ratio Lower Upper
129 100
127 77.5 53.7 99.7



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

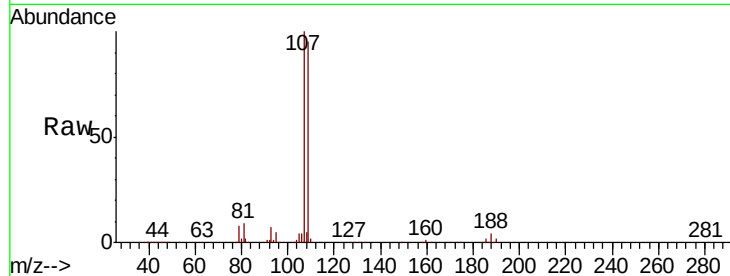




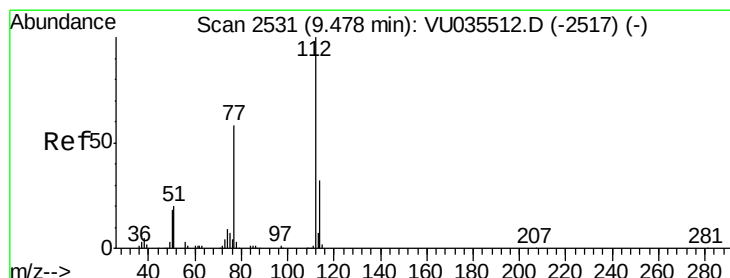
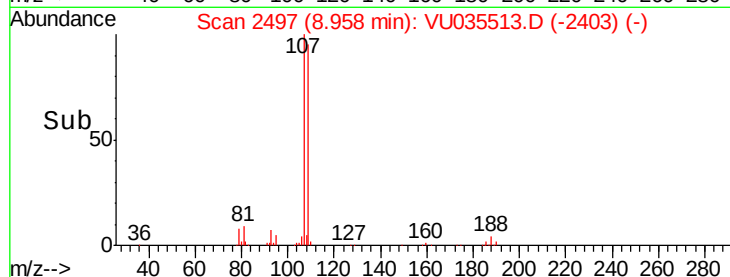
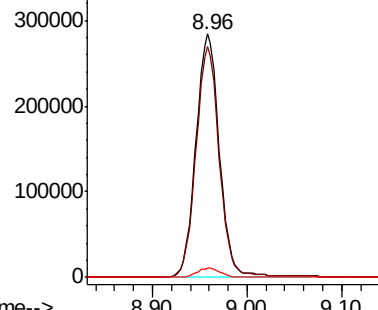
#50
 1,2-Dibromoethane
 Concen: 99.558 ug/L
 RT: 8.96 min Scan# 2497
 Delta R.T. 0.00 min
 Lab File: VU035513.D
 Acq: 26 Oct 2019 12:52

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.7	65.7	122.1
188	3.8	3.1	4.7

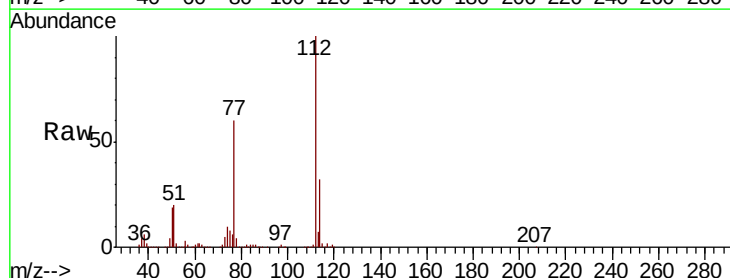


Abundance Ion 107.00 (106.70 to 107.70): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 188.00 (187.70 to 188.70): V

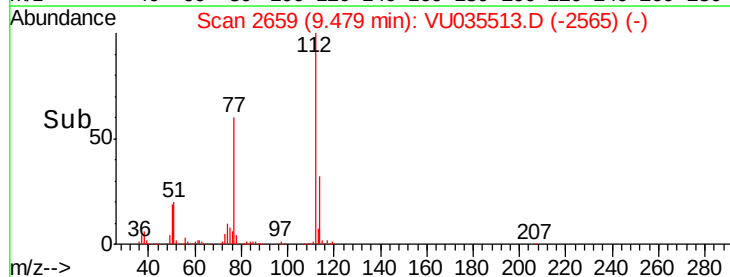
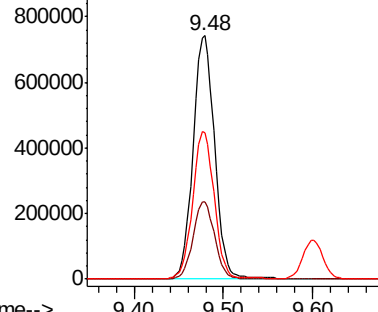


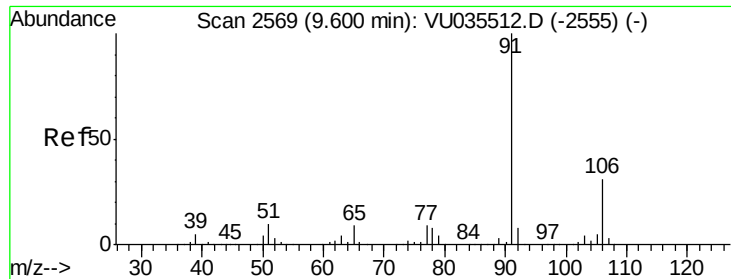
#51
 Chlorobenzene
 Concen: 99.153 ug/L
 RT: 9.48 min Scan# 2659
 Delta R.T. 0.00 min
 Lab File: VU035513.D
 Acq: 26 Oct 2019 12:52

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.8	22.1	41.1
77	60.3	46.7	70.1



Abundance Ion 112.00 (111.70 to 112.70): V
 Ion 114.00 (113.70 to 114.70): V
 Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 101.670 ug/L

RT: 9.60 min Scan# 2697

Delta R.T. 0.00 min

Lab File: VU035513.D

Acq: 26 Oct 2019 12:52

Instrument :

MSVOA_U

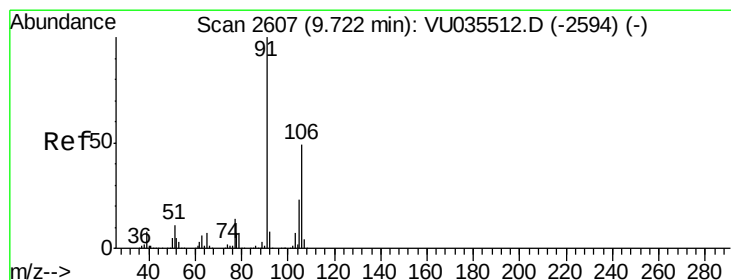
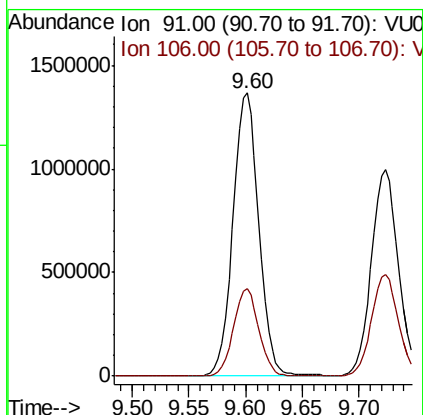
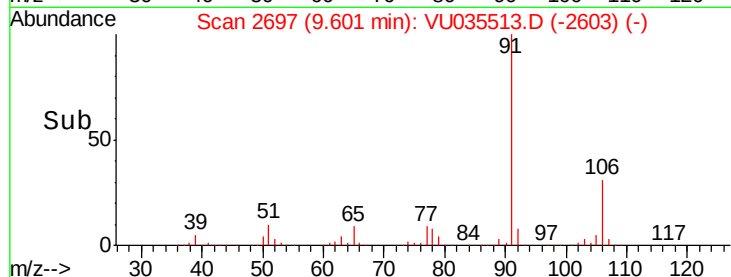
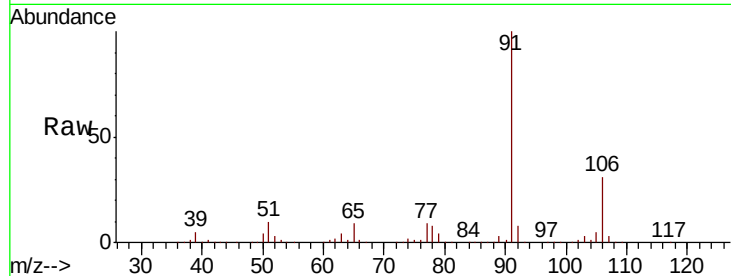
ClientSampled :

Tot Ion: 91 Resp: 2173346

Ion Ratio Lower Upper

91 100

106 30.8 21.6 40.0



#53

m,p-Xylene

Concen: 103.024 ug/L

RT: 9.72 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VU035513.D

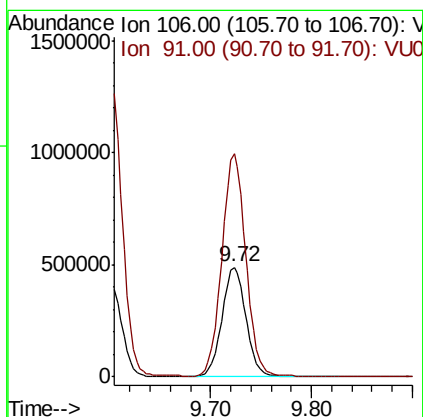
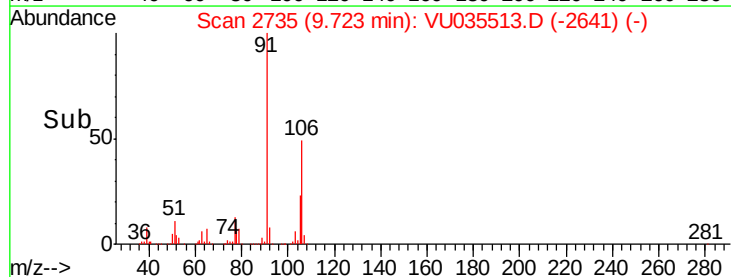
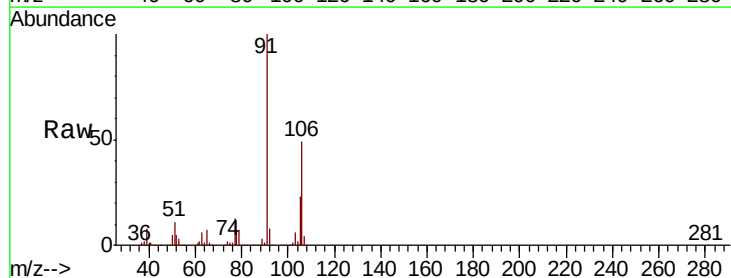
Acq: 26 Oct 2019 12:52

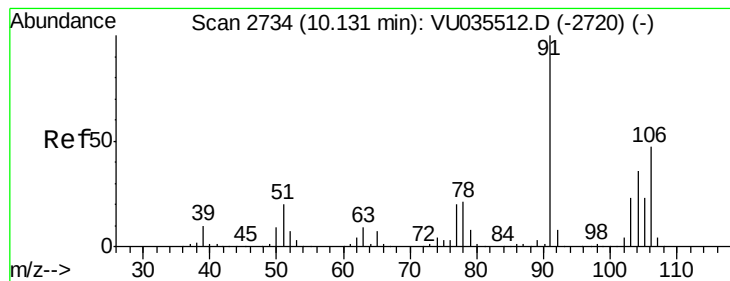
Tgt Ion: 106 Resp: 817221

Ion Ratio Lower Upper

106 100

91 202.9 141.7 263.3





#54

o-xylene

Concen: 102.999 ug/L

RT: 10.13 min Scan# 2861

Delta R.T. -0.00 min

Lab File: VU035513.D

Acq: 26 Oct 2019 12:52

Instrument :

MSVOA_U

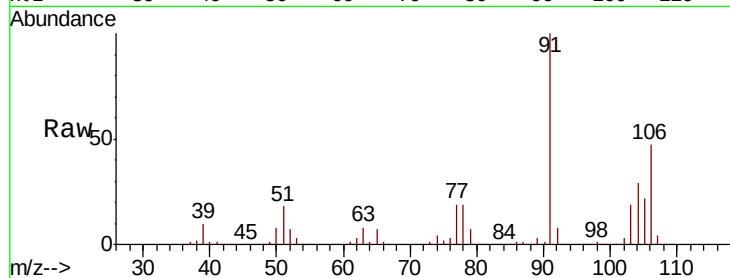
ClientSampleId :

Tot Ion:106 Resp: 803990

Ion Ratio Lower Upper

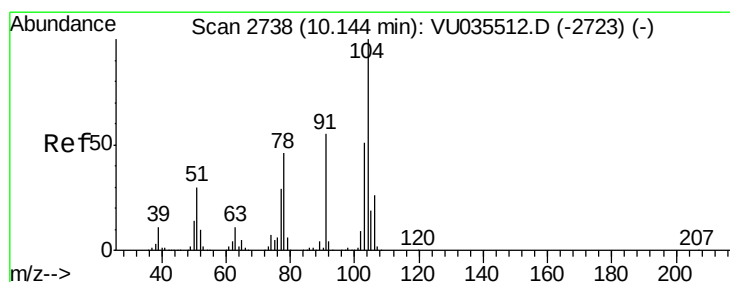
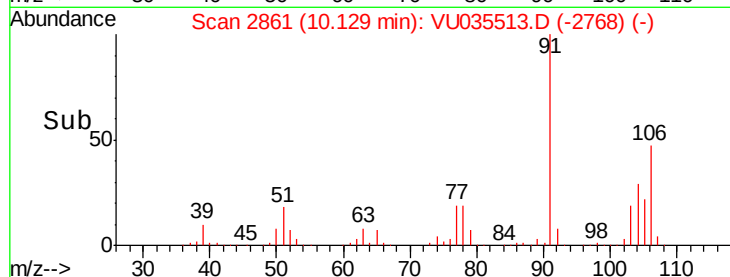
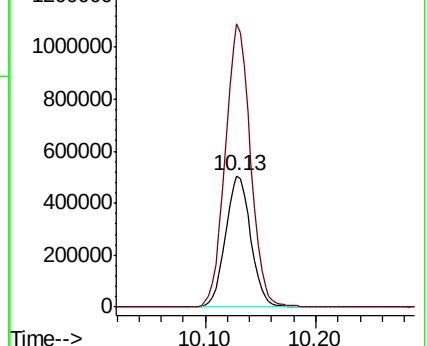
106 100

91 215.0 150.3 279.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 106.422 ug/L

RT: 10.14 min Scan# 2866

Delta R.T. 0.00 min

Lab File: VU035513.D

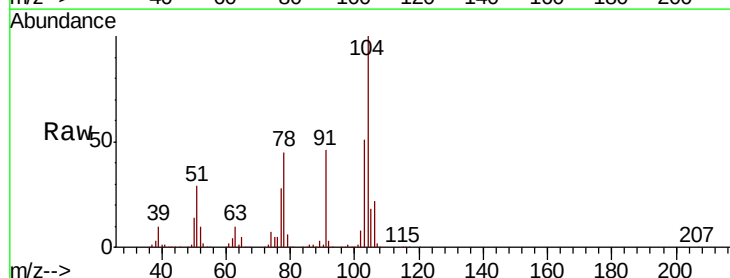
Acq: 26 Oct 2019 12:52

Tgt Ion:104 Resp: 1353515

Ion Ratio Lower Upper

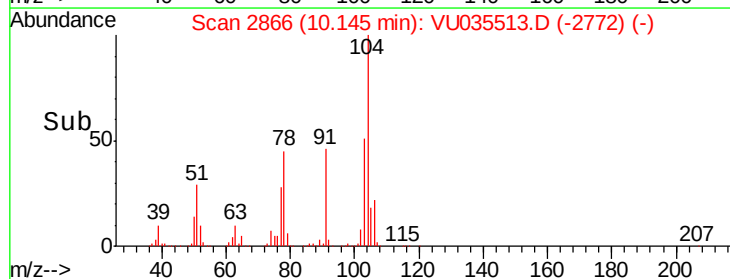
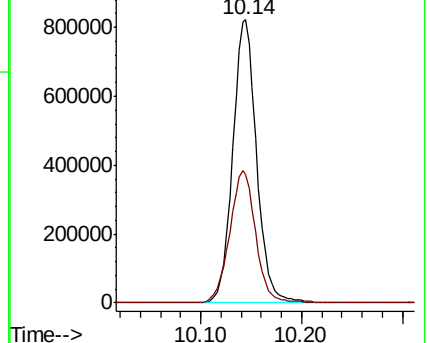
104 100

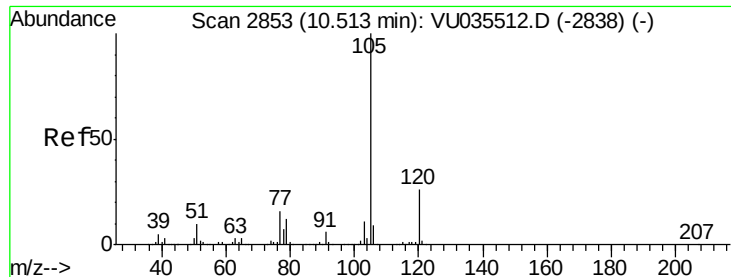
78 45.4 32.3 59.9



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 101.948 ug/L

RT: 10.51 min Scan# 2980

Delta R.T. -0.00 min

Lab File: VU035513.D

Acq: 26 Oct 2019 12:52

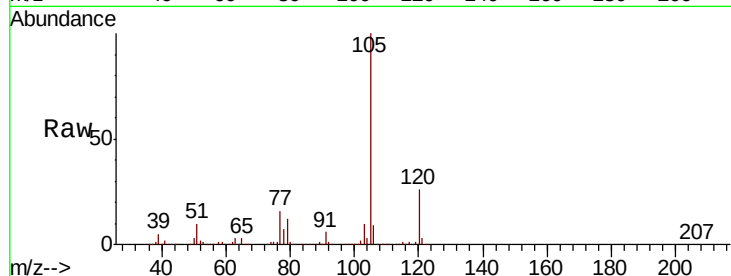
Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:105 Resp: 2047763

Ion	Ratio	Lower	Upper
105	100		
120	26.3	21.0	31.4
77	15.9	12.8	19.2

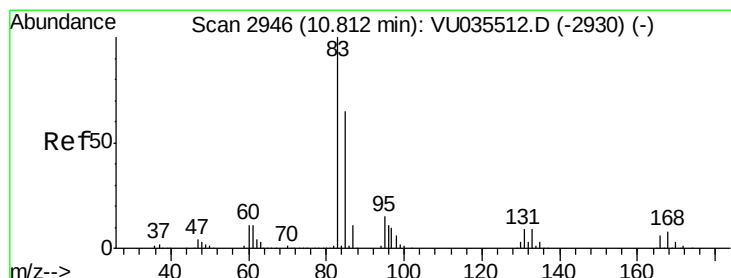
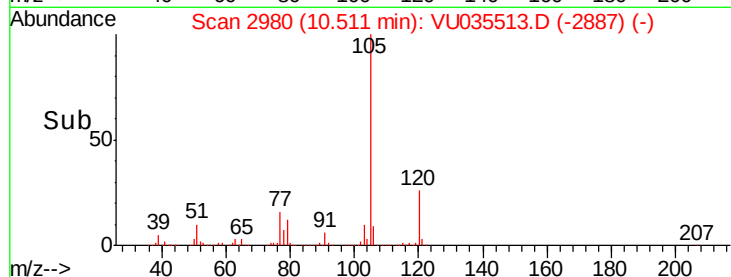
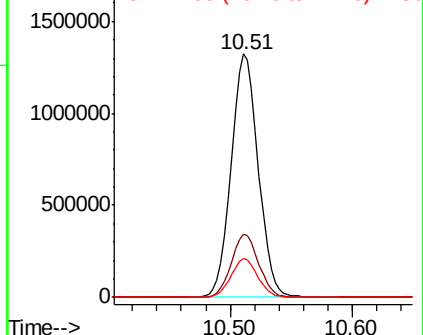


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 103.430 ug/L

RT: 10.81 min Scan# 3073

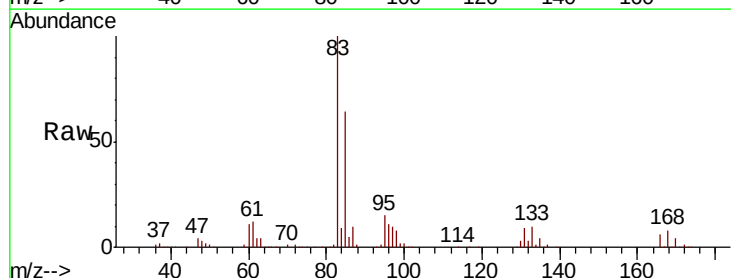
Delta R.T. -0.00 min

Lab File: VU035513.D

Acq: 26 Oct 2019 12:52

Tgt Ion: 83 Resp: 816289

Ion	Ratio	Lower	Upper
83	100		
85	63.8	45.4	84.4
131	9.1	7.5	11.3

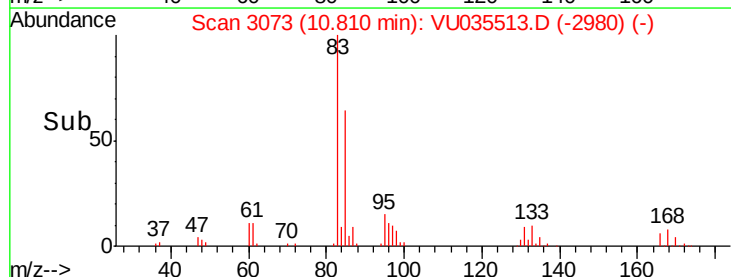
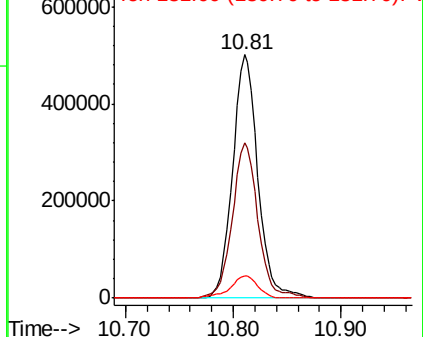


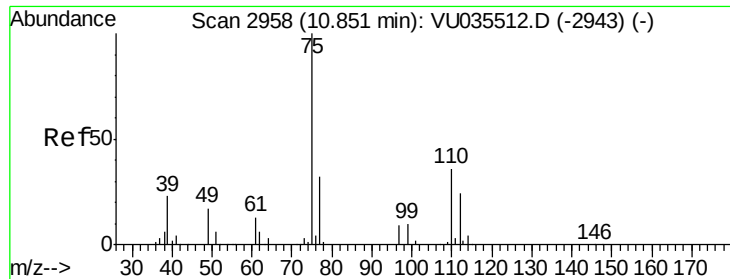
Abundance

Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 103.042 ug/L

RT: 10.85 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VU035513.D

Acq: 26 Oct 2019 12:52

Instrument :

MSVOA_U

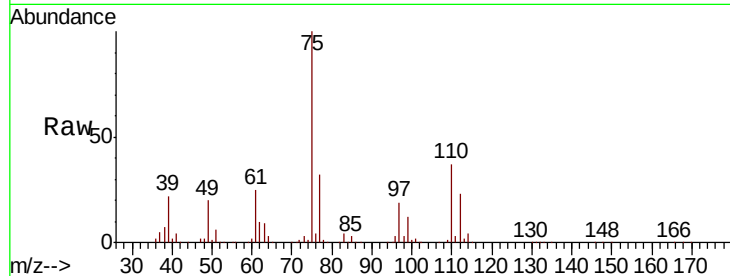
ClientSampled :

Tot Ion: 75 Resp: 645736

Ion Ratio Lower Upper

75 100

77 32.0 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU035512.D (-2943) (-)

Ion 77.00 (76.70 to 77.70): VU035512.D (-2943) (-)

10.85

400000

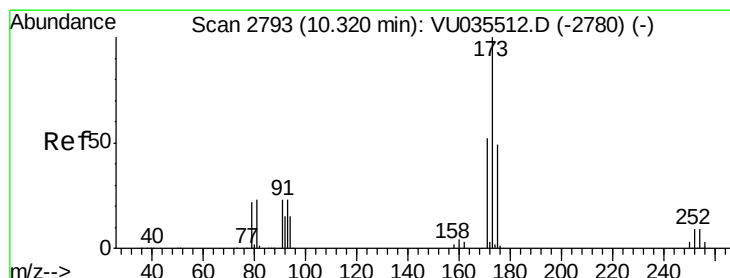
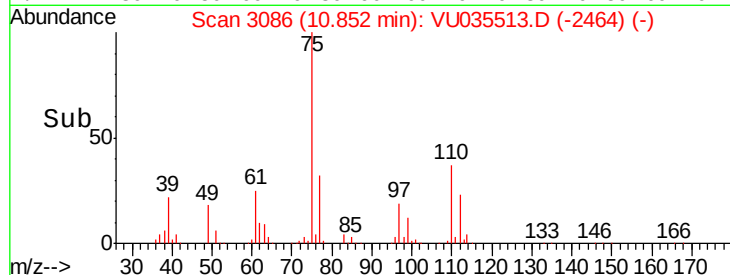
300000

200000

100000

0

Time-->



#61

Bromoform

Concen: 93.101 ug/L

RT: 10.32 min Scan# 2921

Delta R.T. 0.00 min

Lab File: VU035513.D

Acq: 26 Oct 2019 12:52

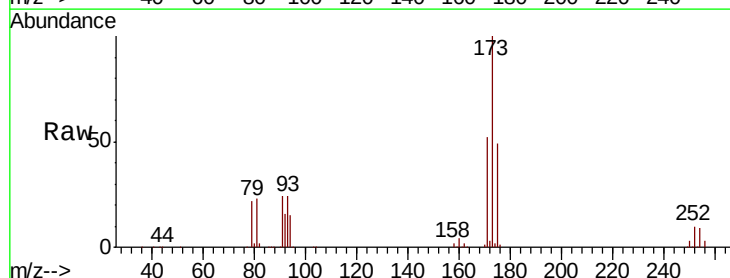
Tgt Ion: 173 Resp: 386357

Ion Ratio Lower Upper

173 100

175 48.3 39.3 58.9

254 9.2 7.6 11.4



Abundance Ion 173.00 (172.70 to 173.70): VU035512.D (-2780) (-)

Ion 175.00 (174.70 to 175.70): VU035512.D (-2780) (-)

Ion 254.00 (253.70 to 254.70): VU035512.D (-2780) (-)

10.32

300000

250000

200000

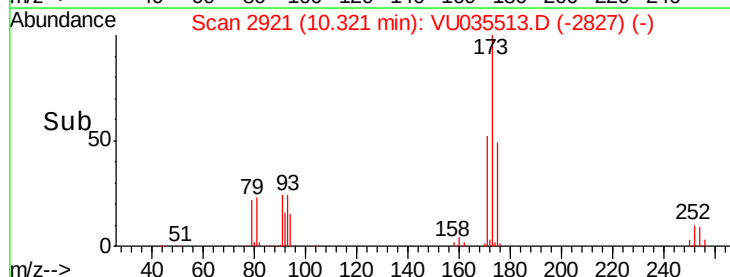
150000

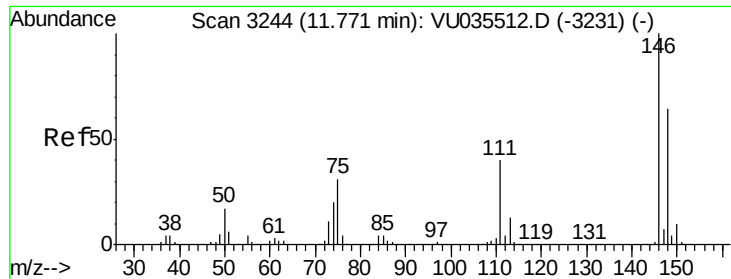
100000

50000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 96.106 ug/L

RT: 11.77 min Scan# 3372

Delta R.T. 0.00 min

Lab File: VU035513.D

Acq: 26 Oct 2019 12:52

Instrument :

MSVOA_U

ClientSampleId :

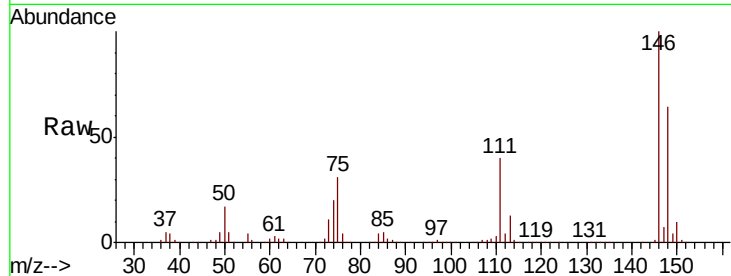
Tot Ion:146 Resp: 902839

Ion Ratio Lower Upper

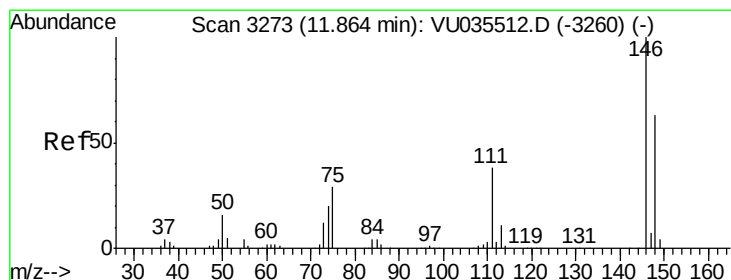
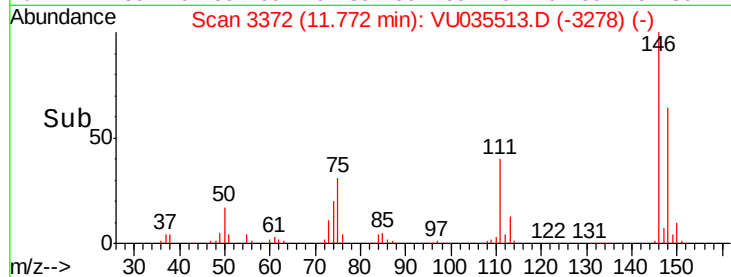
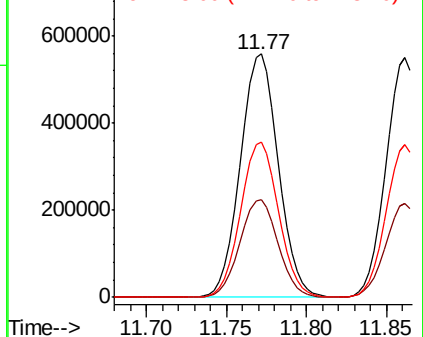
146 100

111 40.1 28.1 52.1

148 63.8 45.0 83.6



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 95.478 ug/L

RT: 11.86 min Scan# 3400

Delta R.T. -0.00 min

Lab File: VU035513.D

Acq: 26 Oct 2019 12:52

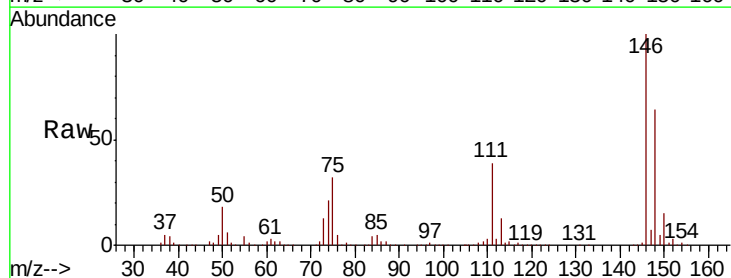
Tgt Ion:146 Resp: 899369

Ion Ratio Lower Upper

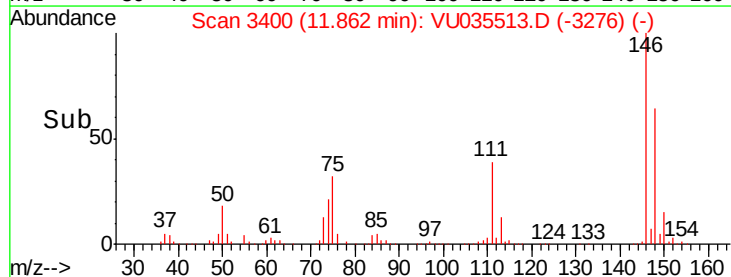
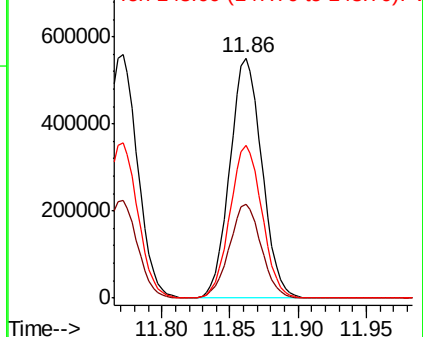
146 100

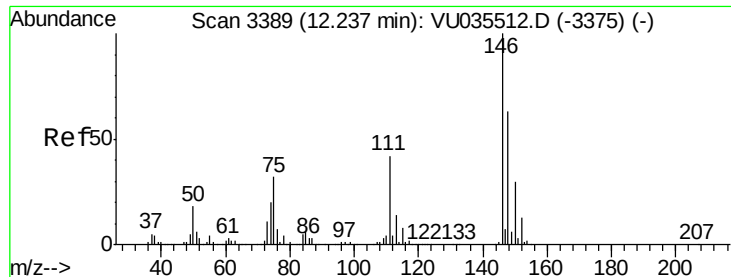
111 39.1 26.7 49.5

148 63.6 44.4 82.4



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V

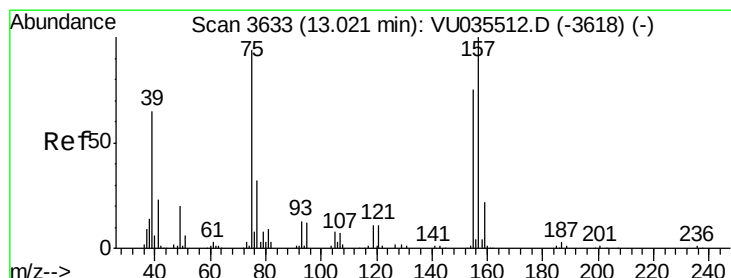
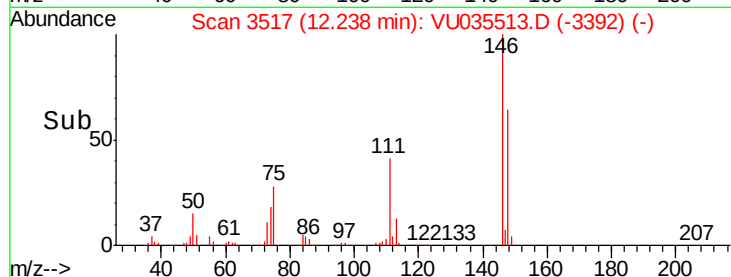
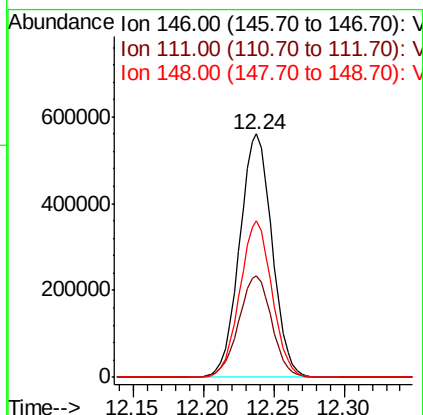
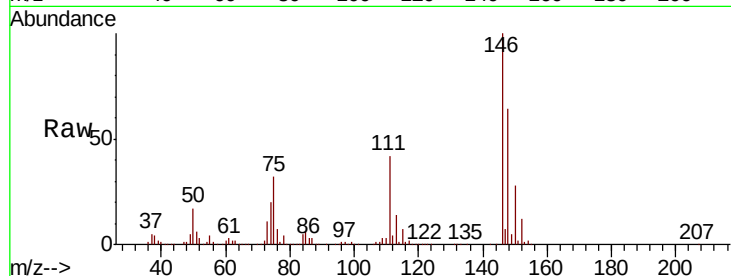




#65
 1,2-Dichlorobenzene
 Concen: 96.405 ug/L
 RT: 12.24 min Scan# 3517
 Delta R.T. 0.00 min
 Lab File: VU035513.D
 Acq: 26 Oct 2019 12:52

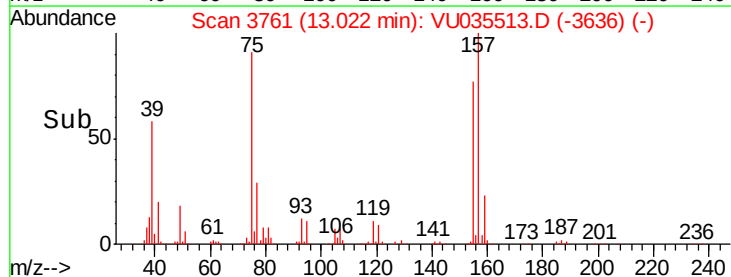
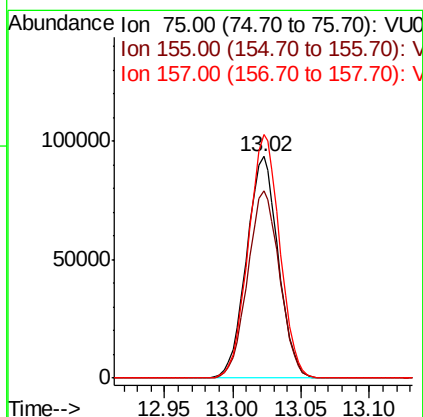
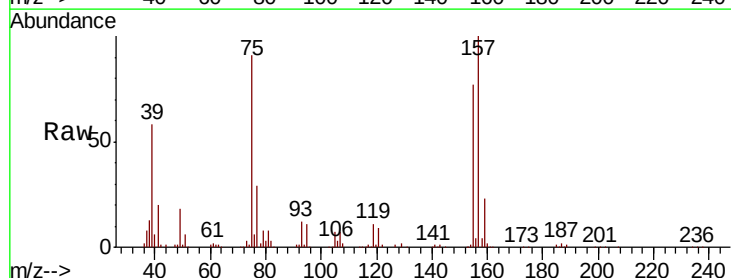
Instrument :
 MSVOA_U
 ClientSampleId :

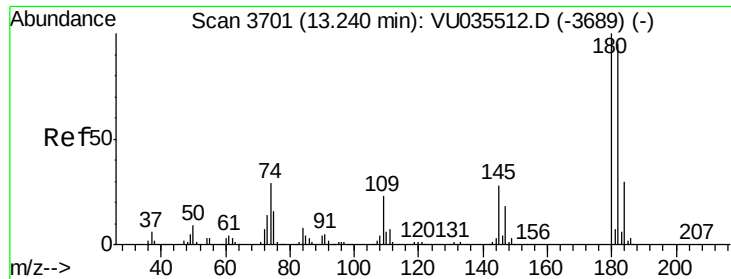
Tot Ion:146 Resp: 904713
 Ion Ratio Lower Upper
 146 100
 111 41.9 33.6 50.4
 148 64.1 50.3 75.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 101.108 ug/L
 RT: 13.02 min Scan# 3761
 Delta R.T. 0.00 min
 Lab File: VU035513.D
 Acq: 26 Oct 2019 12:52

Tgt Ion: 75 Resp: 150711
 Ion Ratio Lower Upper
 75 100
 155 84.8 64.2 96.4
 157 110.1 85.1 127.7

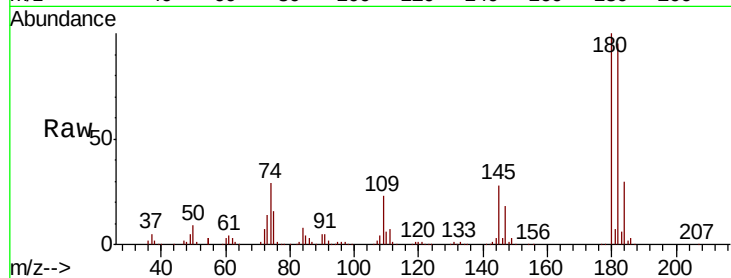




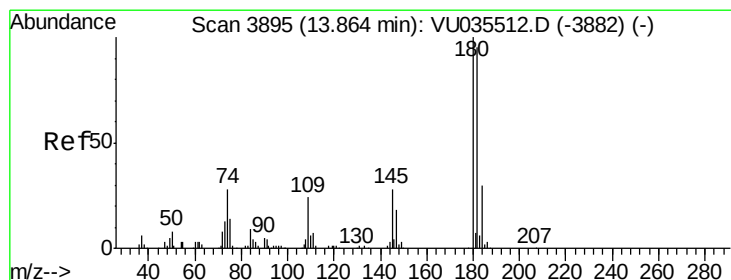
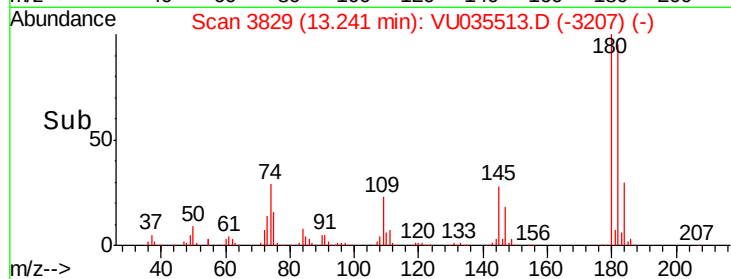
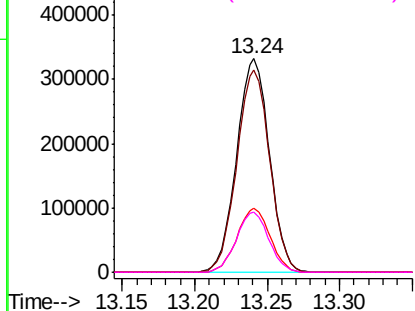
#67
 1,3,5-Trichlorobenzene
 Concen: 101.248 ug/L
 RT: 13.24 min Scan# 3829
 Delta R.T. 0.00 min
 Lab File: VU035513.D
 Acq: 26 Oct 2019 12:52

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180	Resp:	520687
Ion	Ratio	Lower Upper
180	100	
182	94.9	76.6 114.8
184	30.3	23.9 35.9
145	28.0	22.4 33.6

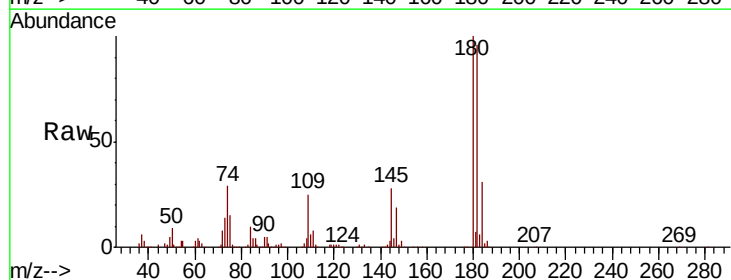


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

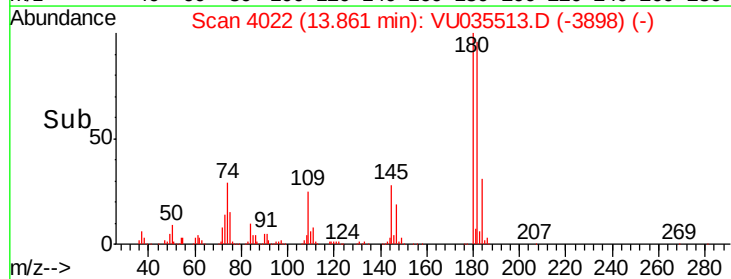
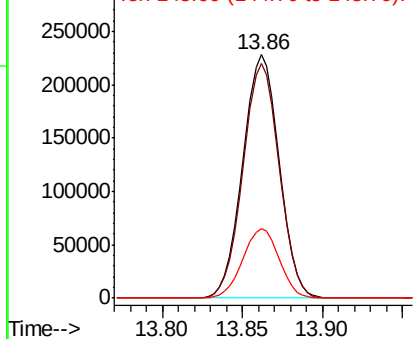


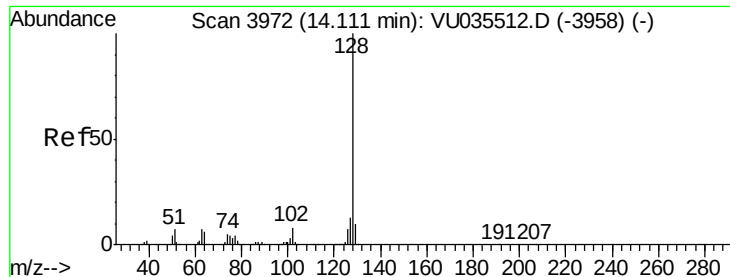
#68
 1,2,4-trichlorobenzene
 Concen: 105.495 ug/L
 RT: 13.86 min Scan# 4022
 Delta R.T. -0.00 min
 Lab File: VU035513.D
 Acq: 26 Oct 2019 12:52

Tgt Ion:180	Resp:	353387
Ion	Ratio	Lower Upper
180	100	
182	95.9	75.0 112.4
145	28.5	22.6 34.0



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





#69

Naphthalene

Concen: 111.323 ug/L

RT: 14.11 min Scan# 4099

Delta R.T. -0.00 min

Lab File: VU035513.D

Acq: 26 Oct 2019 12:52

Instrument :

MSVOA_U

ClientSampled :

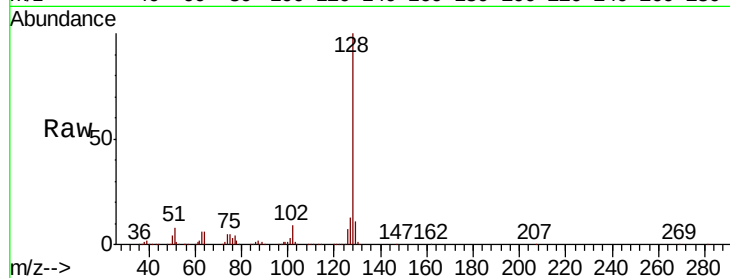
Tot Ion:128 Resp: 1031779

Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

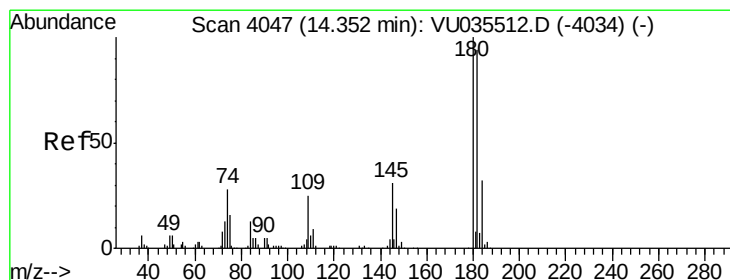
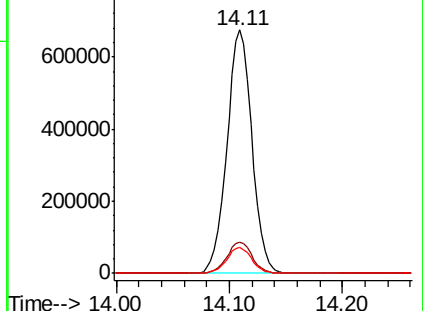
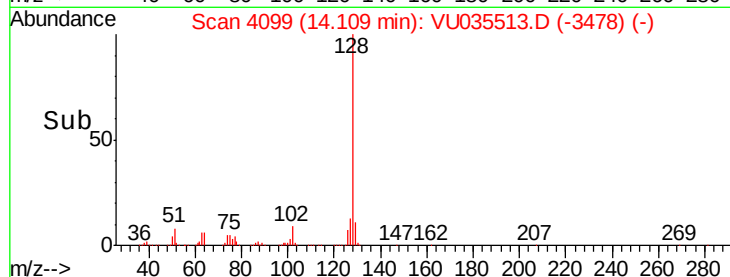
129 10.7 8.4 12.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 102.944 ug/L

RT: 14.35 min Scan# 4174

Delta R.T. -0.00 min

Lab File: VU035513.D

Acq: 26 Oct 2019 12:52

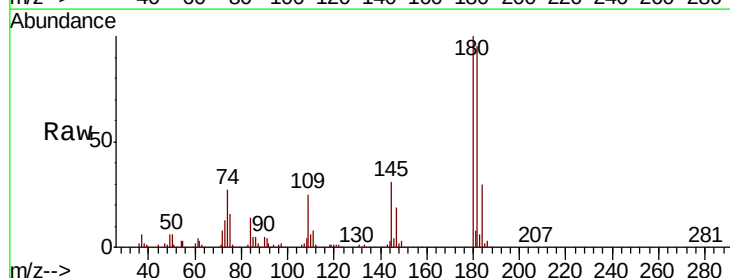
Tgt Ion:180 Resp: 356965

Ion Ratio Lower Upper

180 100

182 96.0 76.0 114.0

145 30.5 24.9 37.3



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

