

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102619\
 Data File : VU035516.D
 Acq On : 26 Oct 2019 14:01
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 30 02:26:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM102619WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 30 02:21:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	648337	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	629075	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	273904	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	237272	46.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.80%
7) Chloroethane-d5	1.93	69	198879	46.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.66%
11) 1,1-Dichloroethene-d2	2.60	63	411462	48.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.32%
21) 2-Butanone-d5	4.69	46	329951	97.81	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.81%
24) Chloroform-d	5.11	84	402210	47.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.04%
26) 1,2-Dichloroethane-d4	5.75	65	253357	47.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.68%
32) Benzene-d6	5.77	84	829461	49.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.74%
36) 1,2-Dichloropropane-d6	6.73	67	270464	49.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.64%
41) Toluene-d8	7.93	98	762640	49.63	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.26%
43) trans-1,3-Dichloropropene-	8.21	79	129936	50.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.20%
47) 2-Hexanone-d5	8.68	63	213560	105.41	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.41%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	367197	47.57	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.14%
64) 1,2-Dichlorobenzene-d4	12.22	152	253521	47.52	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.04%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.40	85	269692	48.380	ug/L 99
3) Chloromethane	1.54	50	296688	49.871	ug/L 99
5) Vinyl chloride	1.62	62	316394	49.000	ug/L 100
6) Bromomethane	1.87	94	155380	52.810	ug/L 99
8) Chloroethane	1.95	64	186579	48.938	ug/L 100
9) Trichlorofluoromethane	2.16	101	356555	48.149	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	207927	47.858	ug/L 100
12) 1,1-Dichloroethene	2.61	96	204919	49.924	ug/L 97
13) Acetone	2.67	43	303155	89.690	ug/L 99
14) Carbon disulfide	2.83	76	654389	49.075	ug/L 100
15) Methyl Acetate	2.99	43	274832	49.475	ug/L 99
16) Methylene chloride	3.09	84	250974	49.157	ug/L 99
17) trans-1,2-Dichloroethene	3.39	96	221762	50.546	ug/L 98
18) Methyl tert-butyl Ether	3.42	73	710643	51.983	ug/L 99
19) 1,1-Dichloroethane	3.92	63	439630	48.899	ug/L 99
20) cis-1,2-Dichloroethene	4.72	96	250102	50.702	ug/L 99
22) 2-Butanone	4.77	43	418990	99.062	ug/L 98

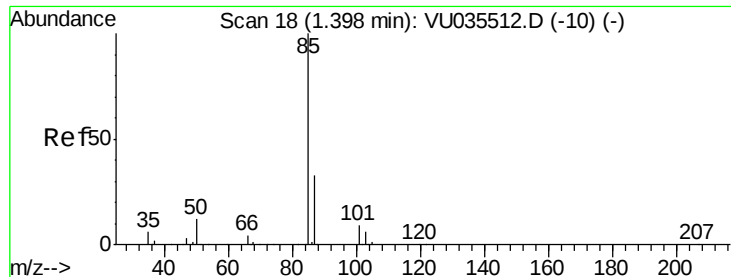
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102619\
 Data File : VU035516.D
 Acq On : 26 Oct 2019 14:01
 Operator : JC/SP
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 Quant Title : VOC Analysis
 QLast Update : Wed Oct 30 02:21:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	124783	49.638	ug/L	99
25) Chloroform	5.14	83	432502	48.769	ug/L	100
27) 1,2-Dichloroethane	5.84	62	332853	48.744	ug/L	100
29) Cyclohexane	5.43	56	376729	52.864	ug/L	99
30) 1,1,1-Trichloroethane	5.37	97	350488	50.066	ug/L	100
31) Carbon tetrachloride	5.57	117	311290	50.609	ug/L	98
33) Benzene	5.82	78	972592	51.262	ug/L	100
34) Trichloroethene	6.58	95	232020	49.804	ug/L	99
35) Methylcyclohexane	6.80	83	337827	52.128	ug/L	98
37) 1,2-Dichloropropane	6.84	63	260602	50.250	ug/L	100
38) Bromodichloromethane	7.15	83	324012	50.225	ug/L	100
39) cis-1,3-Dichloropropene	7.65	75	406627	52.989	ug/L	99
40) 4-Methyl-2-pentanone	7.84	43	734445	103.842	ug/L	100
42) Toluene	8.01	91	1020750	52.165	ug/L	100
44) trans-1,3-Dichloropropene	8.25	75	366776	52.385	ug/L	99
45) 1,1,2-Trichloroethane	8.44	97	234127	49.363	ug/L	98
46) Tetrachloroethene	8.58	164	181817	49.916	ug/L	98
48) 2-Hexanone	8.73	43	544739	94.055	ug/L	95
49) Dibromochloromethane	8.84	129	259829	50.723	ug/L	100
50) 1,2-Dibromoethane	8.96	107	250699	50.241	ug/L	99
51) Chlorobenzene	9.48	112	637352	50.139	ug/L	97
52) Ethylbenzene	9.60	91	1101723	52.847	ug/L	100
53) m,p-Xylene	9.72	106	414230	53.606	ug/L	99
54) o-xylene	10.13	106	406906	53.813	ug/L	99
55) Styrene	10.14	104	669309	54.239	ug/L	100
56) Isopropylbenzene	10.51	105	1025235	53.889	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.81	83	411939	49.152	ug/L	98
59) 1,2,3-Trichloropropane	10.85	75	327388	49.116	ug/L	99
61) Bromoform	10.32	173	191920	46.412	ug/L	99
62) 1,3-Dichlorobenzene	11.77	146	446365	51.056	ug/L	98
63) 1,4-Dichlorobenzene	11.86	146	436863	49.112	ug/L	100
65) 1,2-Dichlorobenzene	12.24	146	443687	49.846	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	70825	47.898	ug/L	95
67) 1,3,5-Trichlorobenzene	13.24	180	235909	52.843	ug/L	100
68) 1,2,4-trichlorobenzene	13.86	180	150826	53.762	ug/L	97
69) Naphthalene	14.11	128	440729	56.483	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	161536	55.711	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 48.380 ug/L

RT: 1.40 min Scan# 18

Delta R.T. 0.00 min

Lab File: VU035516.D

Acq: 26 Oct 2019 14:01

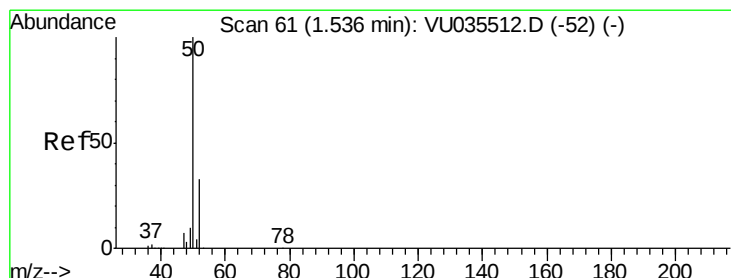
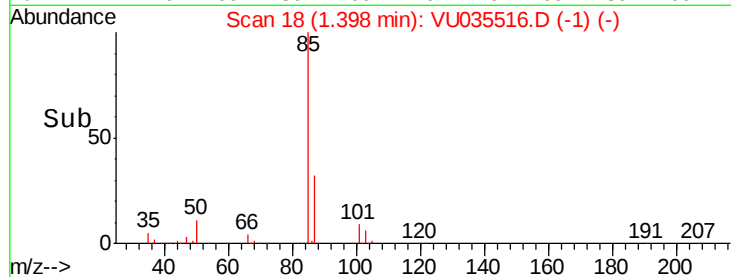
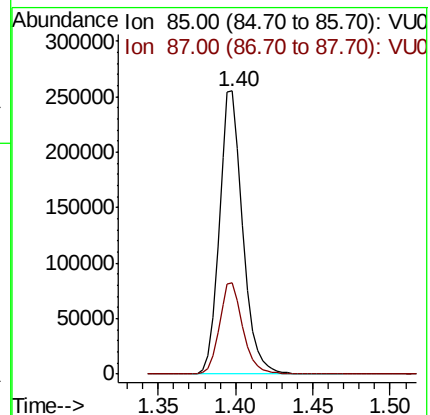
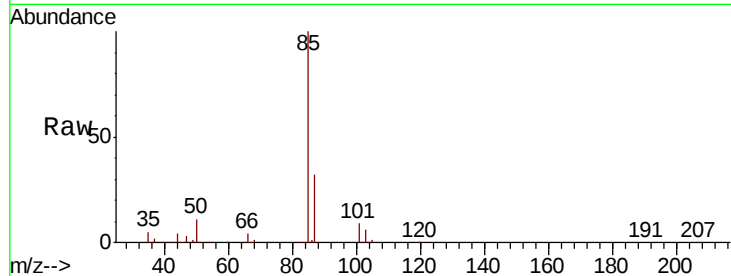
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 85 Resp: 269692

Ion Ratio Lower Upper

85 100

87 32.4 26.2 39.2



#3

Chloromethane

Concen: 49.871 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU035516.D

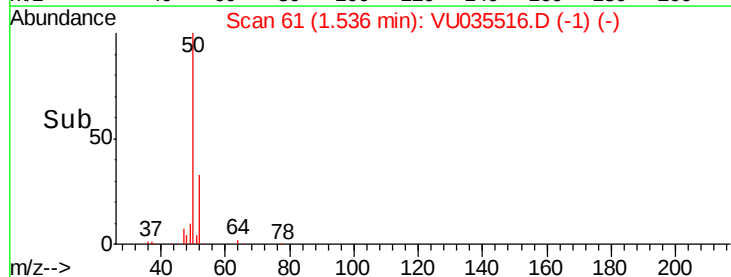
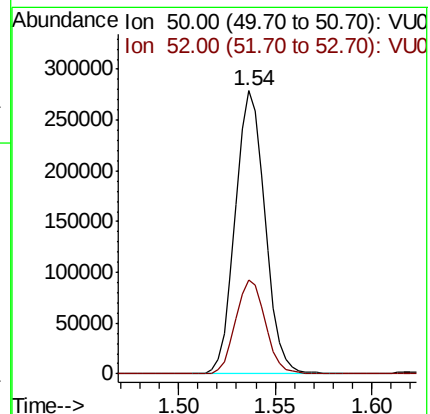
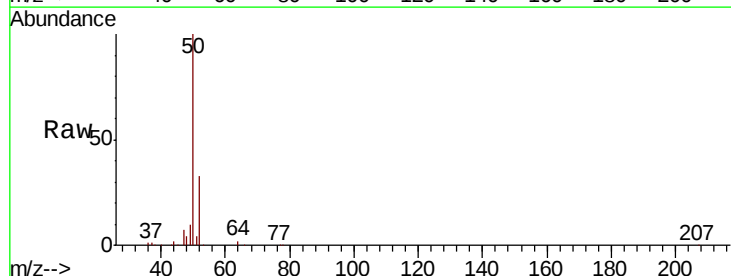
Acq: 26 Oct 2019 14:01

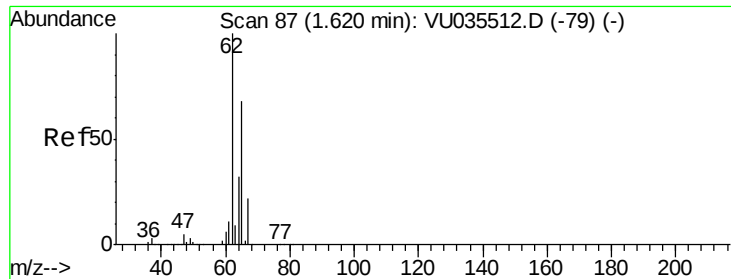
Tgt Ion: 50 Resp: 296688

Ion Ratio Lower Upper

50 100

52 33.2 22.7 42.3





#5

Vinyl chloride

Concen: 49.000 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU035516.D

Acq: 26 Oct 2019 14:01

Instrument :

MSVOA_U

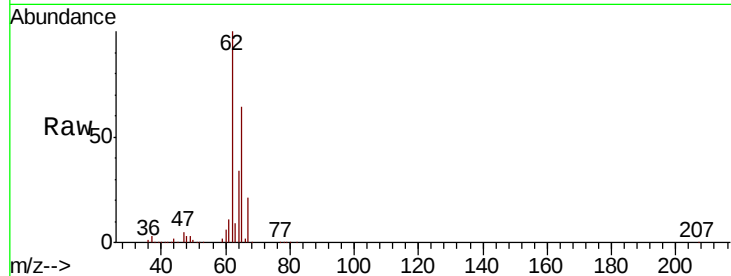
ClientSampleId :

Tot Ion: 62 Resp: 316394

Ion Ratio Lower Upper

62 100

64 34.1 23.8 44.2



Abundance Ion 62.00 (61.70 to 62.70): VU035516.D (-79) (-)

Ion 64.00 (63.70 to 64.70): VU035516.D (-79) (-)

1.62

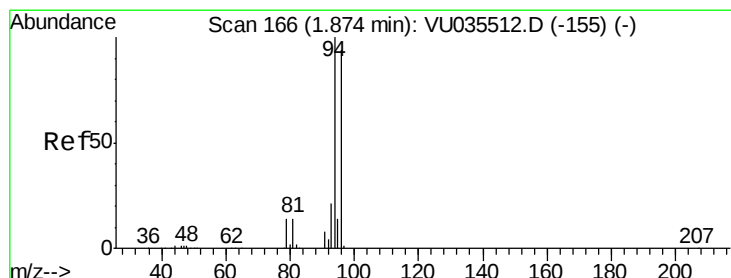
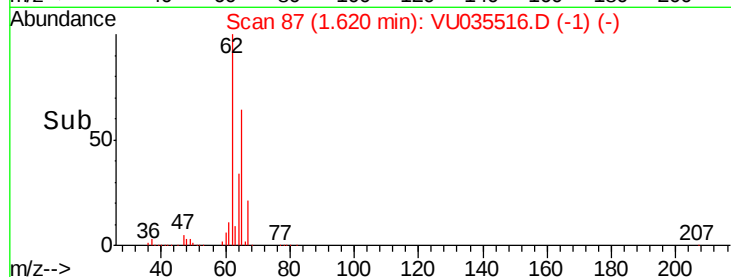
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 52.810 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU035516.D

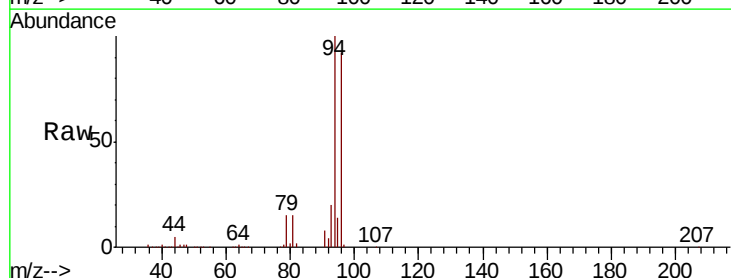
Acq: 26 Oct 2019 14:01

Tgt Ion: 94 Resp: 155380

Ion Ratio Lower Upper

94 100

96 92.5 65.7 121.9



Abundance Ion 94.00 (93.70 to 94.70): VU035516.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU035516.D (-155) (-)

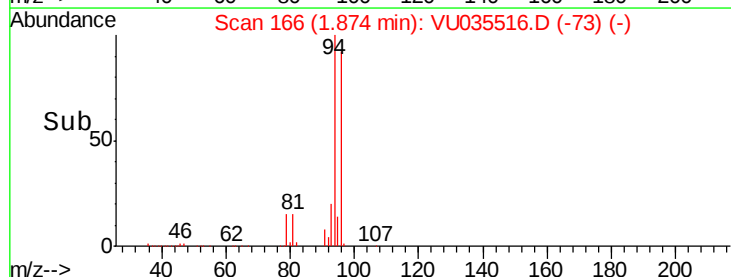
1.87

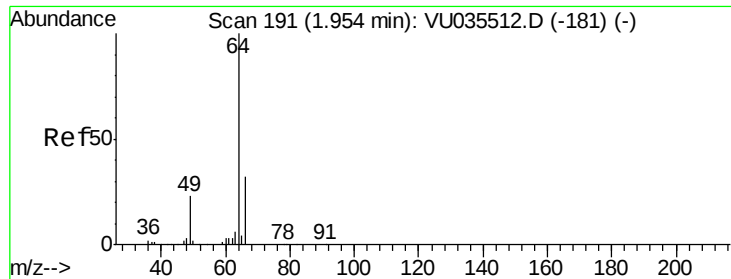
100000

50000

0

Time-->





#8

Chloroethane

Concen: 48.938 ug/L

RT: 1.95 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU035516.D

Acq: 26 Oct 2019 14:01

Instrument :

MSVOA_U

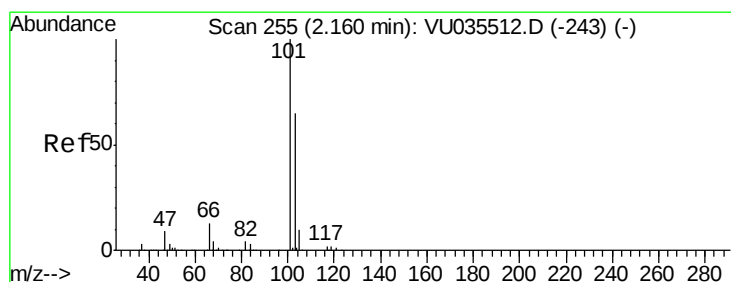
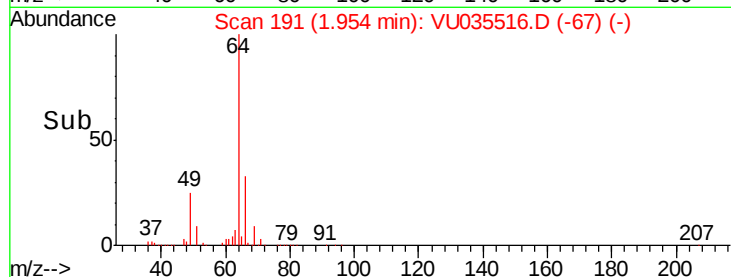
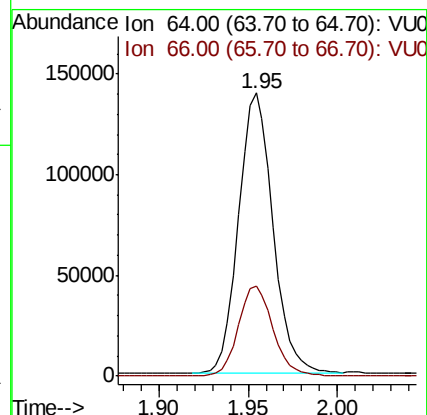
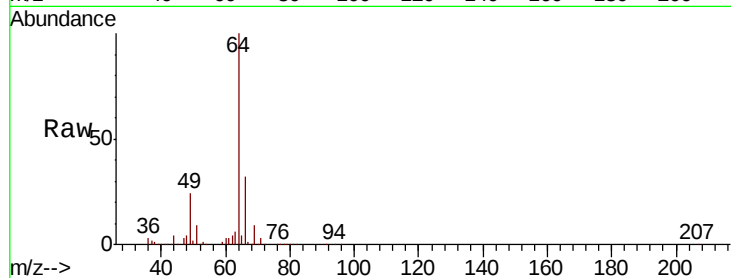
ClientSampleId :

Tot Ion: 64 Resp: 186579

Ion Ratio Lower Upper

64 100

66 31.8 22.3 41.5



#9

Trichlorofluoromethane

Concen: 48.149 ug/L

RT: 2.16 min Scan# 255

Delta R.T. 0.00 min

Lab File: VU035516.D

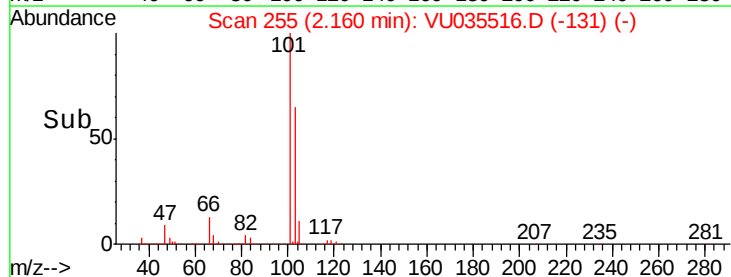
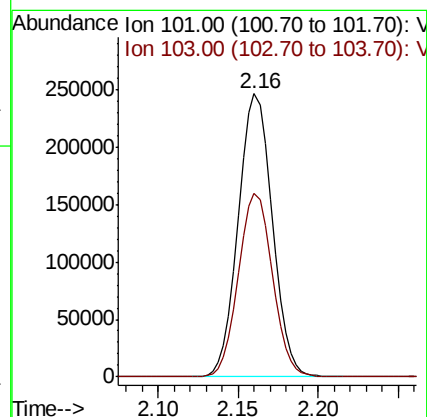
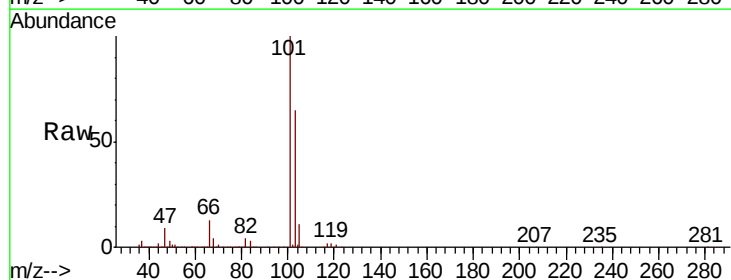
Acq: 26 Oct 2019 14:01

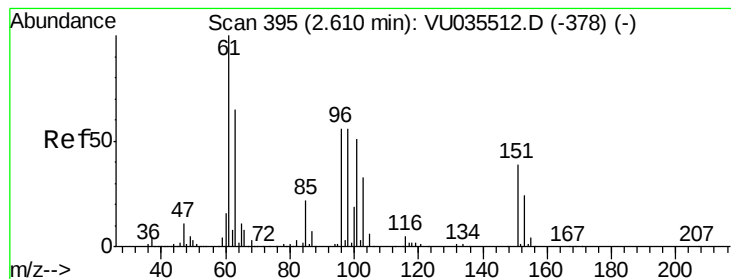
Tgt Ion: 101 Resp: 356555

Ion Ratio Lower Upper

101 100

103 64.8 51.7 77.5





#10

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

Concen: 47.858 ug/L

RT: 2.61 min Scan# 395

Delta R.T. 0.00 min

Lab File: VU035516.D

Acq: 26 Oct 2019 14:01

Instrument :

MSVOA_U

ClientSampled :

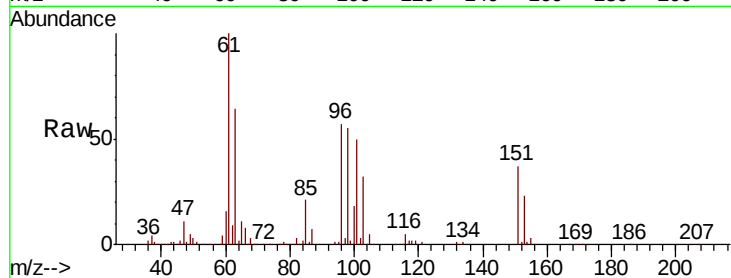
Tot Ion:101 Resp: 207927

Ion Ratio Lower Upper

101 100

85 43.6 34.6 52.0

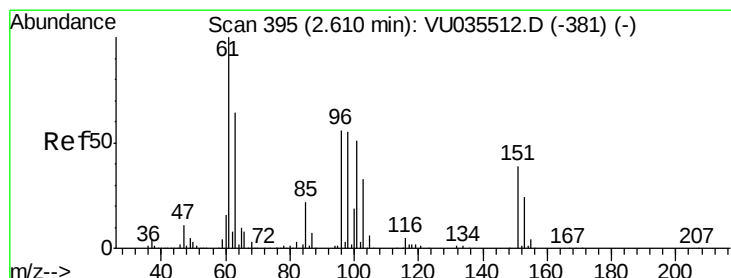
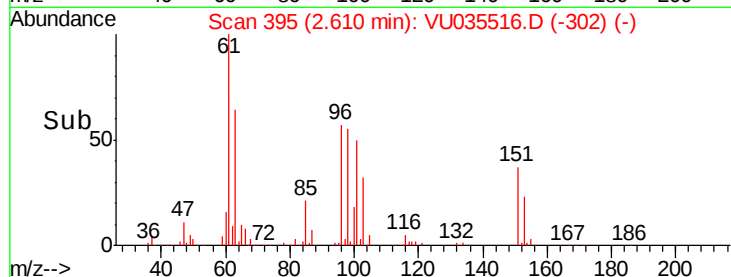
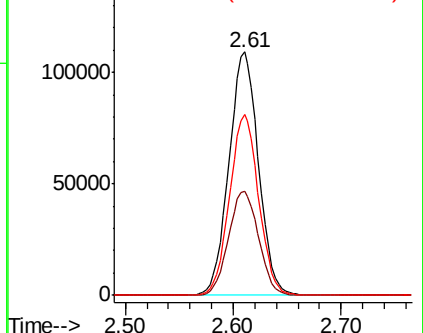
151 73.2 58.6 88.0



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: 49.924 ug/L

RT: 2.61 min Scan# 395

Delta R.T. 0.00 min

Lab File: VU035516.D

Acq: 26 Oct 2019 14:01

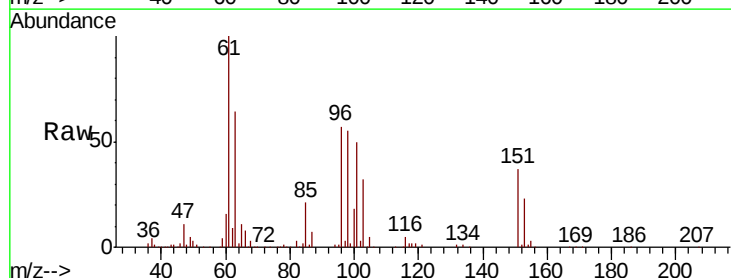
Tgt Ion: 96 Resp: 204919

Ion Ratio Lower Upper

96 100

61 175.9 125.2 232.4

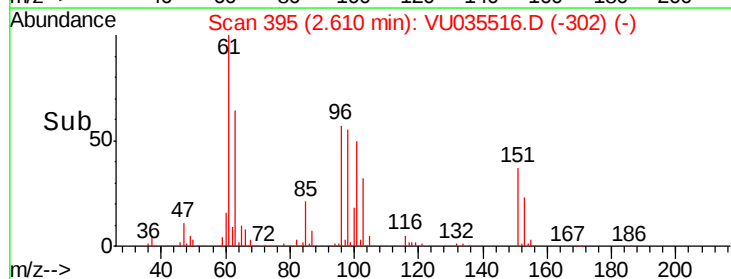
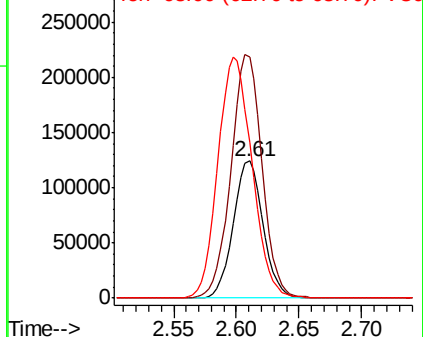
63 113.1 81.8 151.8

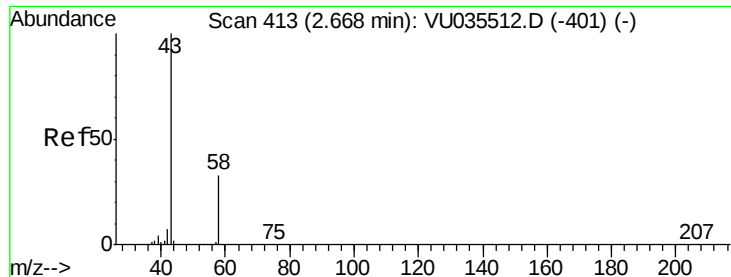


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 89.690 ug/L

RT: 2.67 min Scan# 413

Delta R.T. 0.00 min

Lab File: VU035516.D

Acq: 26 Oct 2019 14:01

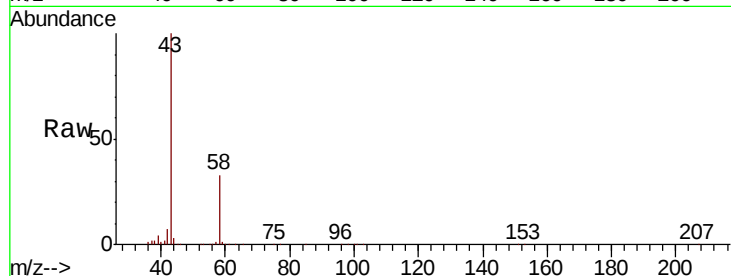
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 303155

Ion Ratio Lower Upper

43 100

58 33.0 0.0 66.6



Abundance Ion 43.00 (42.70 to 43.70): VU035516.D (-320) (-)

Ion 58.00 (57.70 to 58.70): VU035516.D (-320) (-)

200000

150000

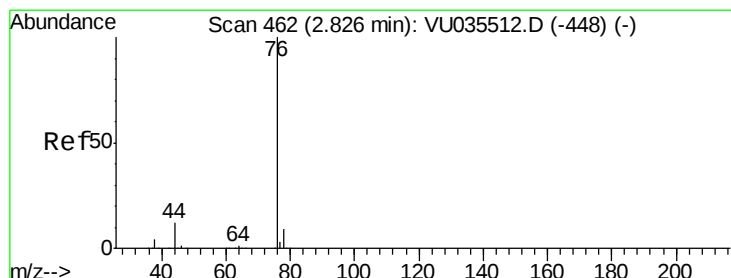
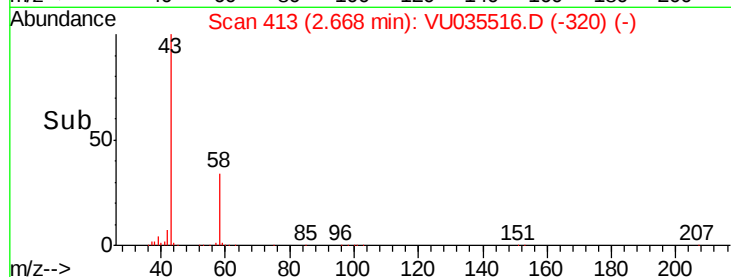
100000

50000

0

2.60 2.67 2.70 2.80

Time-->



#14

Carbon disulfide

Concen: 49.075 ug/L

RT: 2.83 min Scan# 462

Delta R.T. 0.00 min

Lab File: VU035516.D

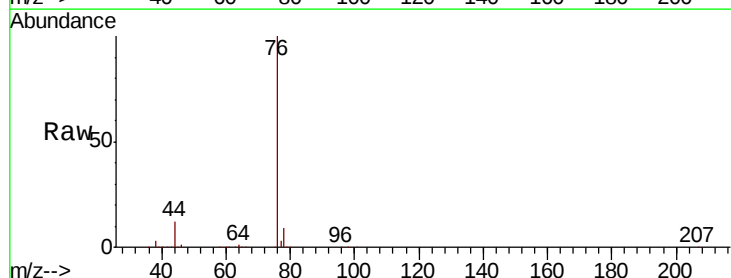
Acq: 26 Oct 2019 14:01

Tgt Ion: 76 Resp: 654389

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VU035516.D (-369) (-)

Ion 78.00 (77.70 to 78.70): VU035516.D (-369) (-)

400000

300000

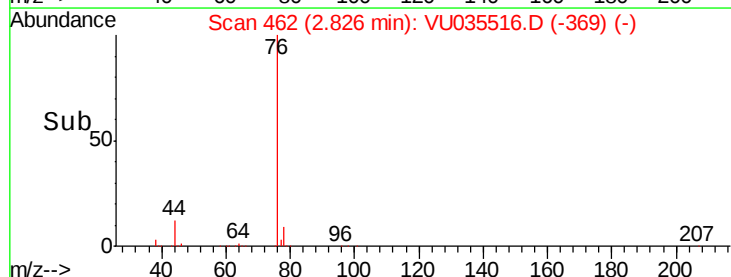
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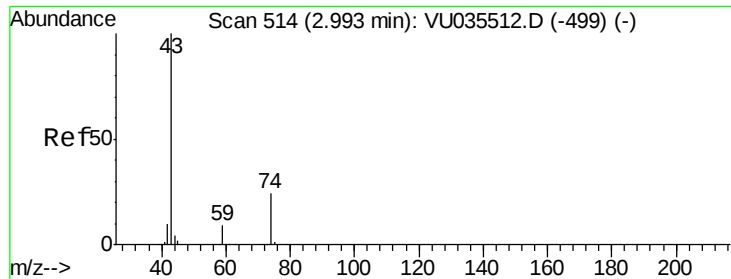
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2.80 2.83 2.90

Time-->

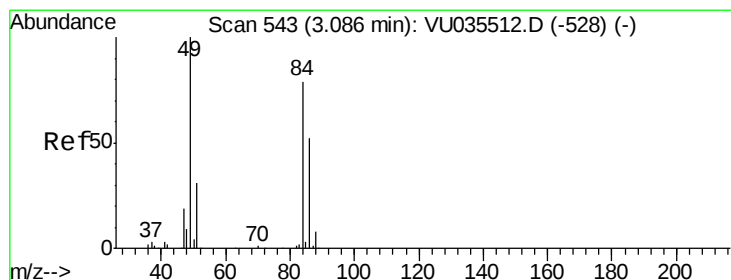
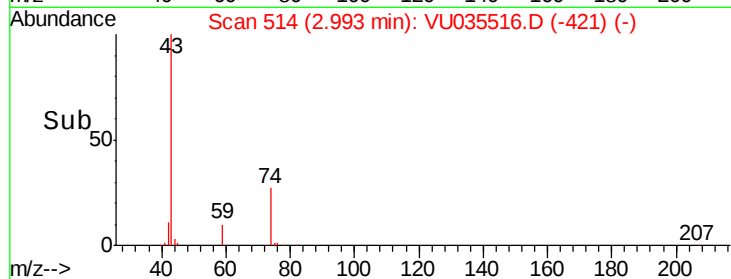
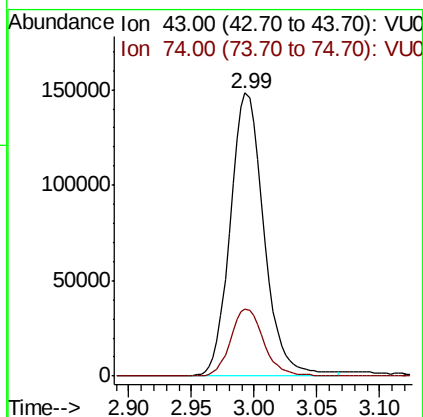
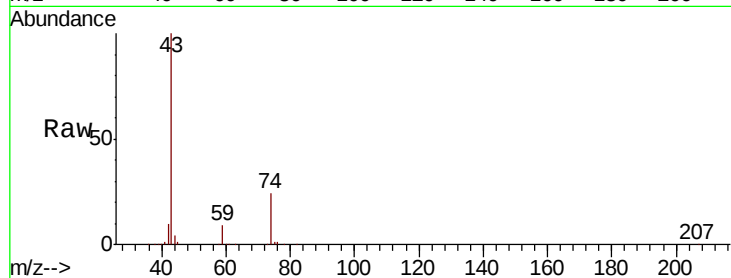




#15
Methvl Acetate
Concen: 49.475 ug/L
RT: 2.99 min Scan# 514
Delta R.T. 0.00 min
Lab File: VU035516.D
Acq: 26 Oct 2019 14:01

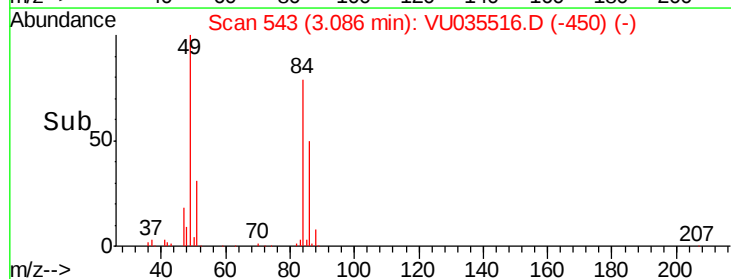
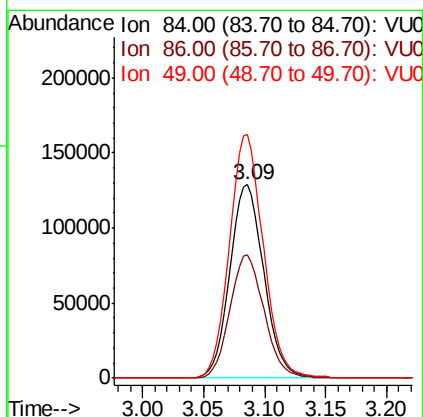
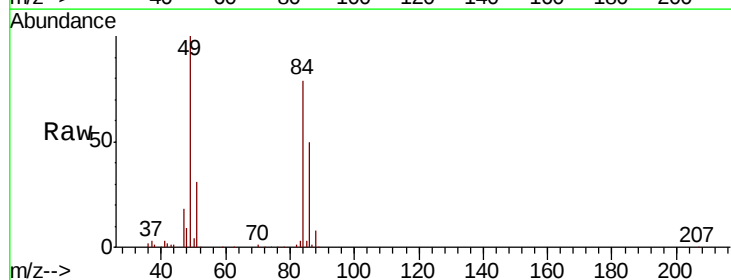
Instrument :
MSVOA_U
ClientSampleId :

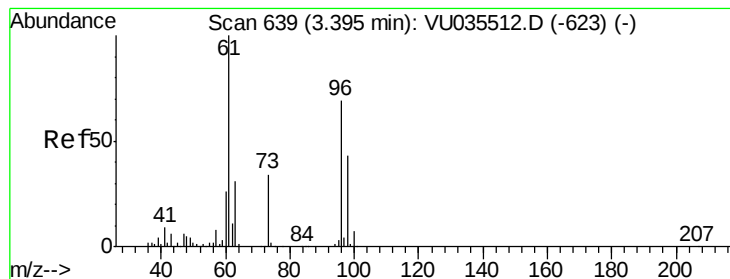
Tot Ion: 43 Resp: 274832
Ion Ratio Lower Upper
43 100
74 23.5 19.0 28.6



#16
Methylene chloride
Concen: 49.157 ug/L
RT: 3.09 min Scan# 543
Delta R.T. 0.00 min
Lab File: VU035516.D
Acq: 26 Oct 2019 14:01

Tgt Ion: 84 Resp: 250974
Ion Ratio Lower Upper
84 100
86 63.6 45.5 84.5
49 126.1 88.3 163.9





#17

trans-1,2-Dichloroethene

Concen: 50.546 ug/L

RT: 3.39 min Scan# 639

Delta R.T. 0.00 min

Lab File: VU035516.D

Acq: 26 Oct 2019 14:01

Instrument :
MSVOA_U
ClientSampled :

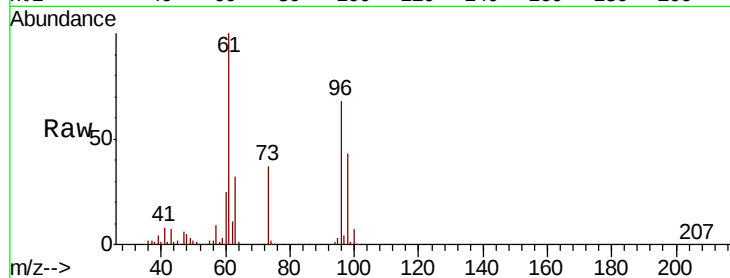
Tot Ion: 96 Resp: 221762

Ion Ratio Lower Upper

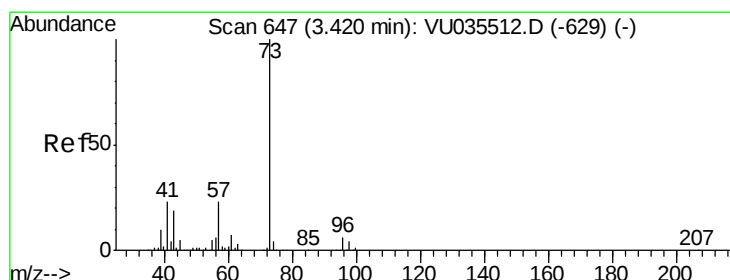
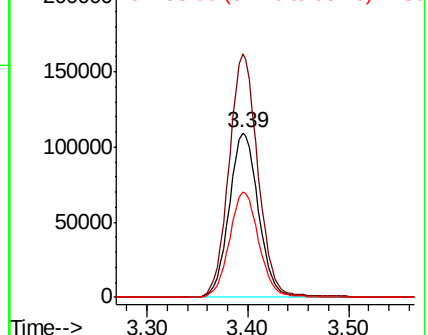
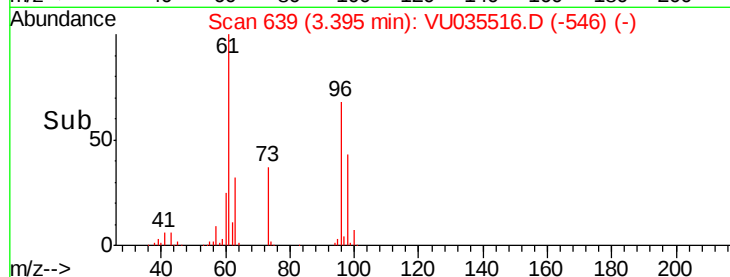
96 100

61 147.7 101.2 188.0

98 63.9 43.6 81.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0



#18

Methyl tert-butyl Ether

Concen: 51.983 ug/L

RT: 3.42 min Scan# 647

Delta R.T. 0.00 min

Lab File: VU035516.D

Acq: 26 Oct 2019 14:01

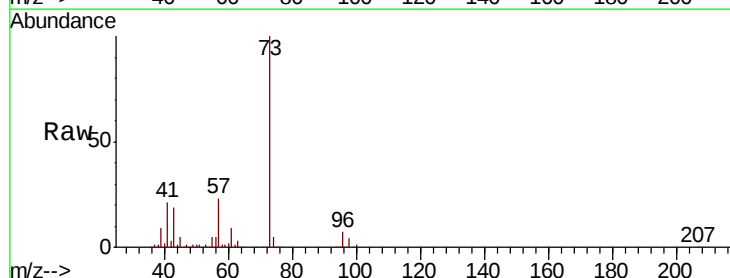
Tgt Ion: 73 Resp: 710643

Ion Ratio Lower Upper

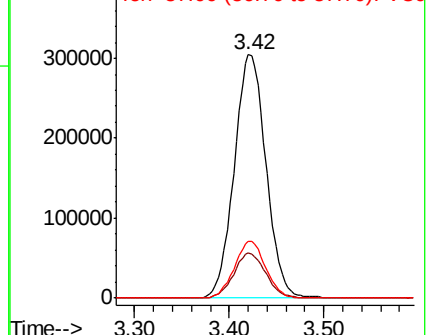
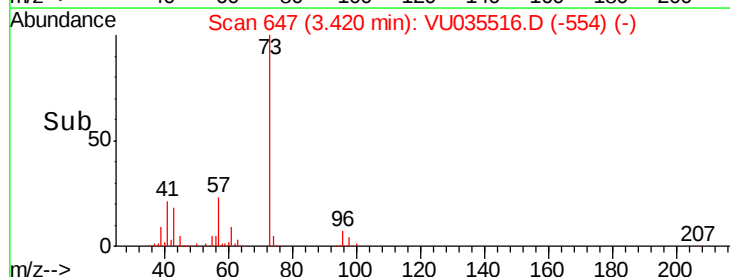
73 100

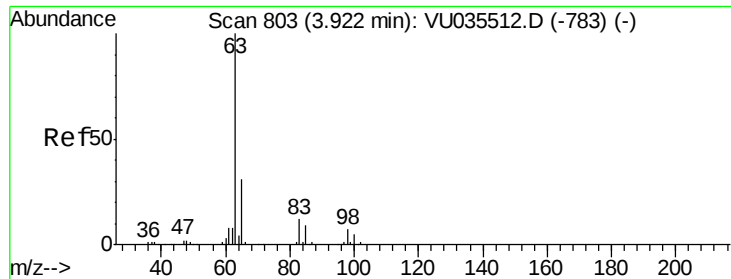
43 18.4 15.2 22.8

57 22.9 18.7 28.1



Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 57.00 (56.70 to 57.70): VU0

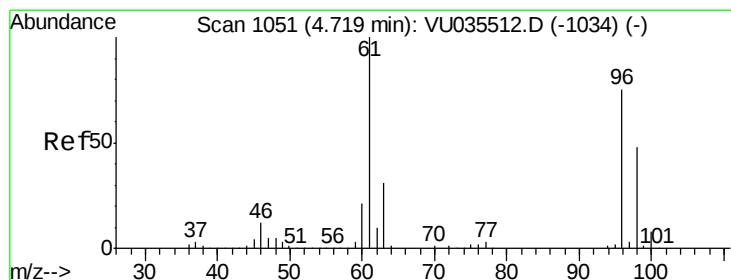
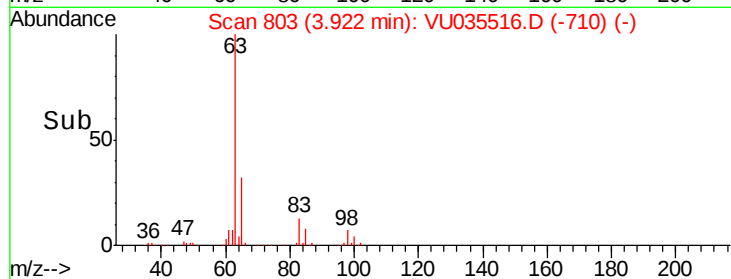
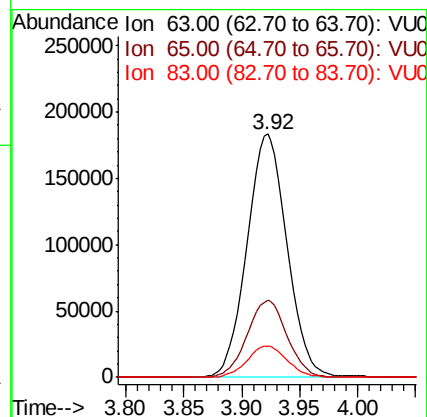
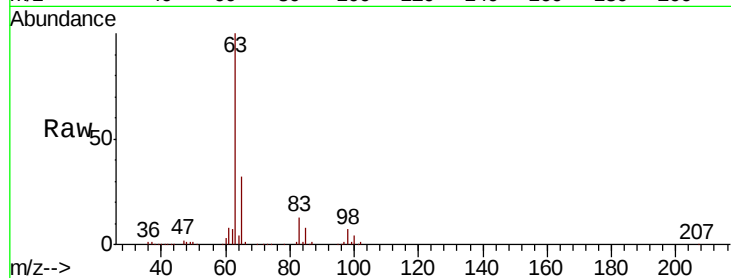




#19
 1,1-Dichloroethane
 Concen: 48.899 ug/L
 RT: 3.92 min Scan# 803
 Delta R.T. 0.00 min
 Lab File: VU035516.D
 Acq: 26 Oct 2019 14:01

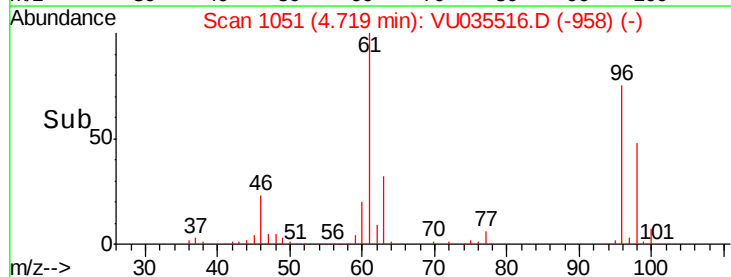
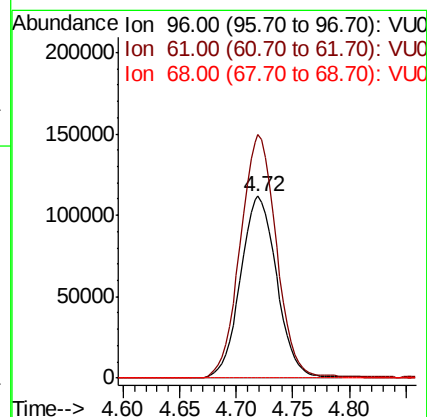
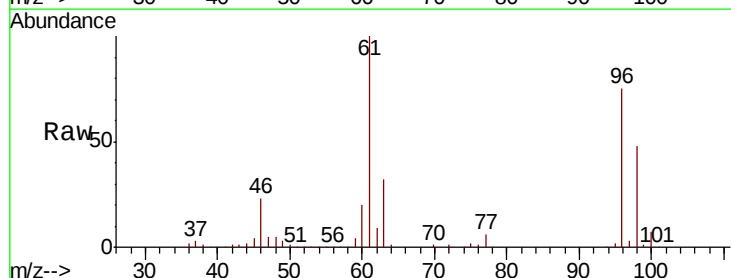
Instrument :
 MSVOA_U
 ClientSampleId :

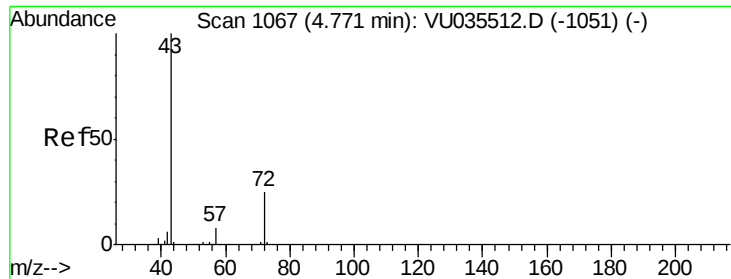
Tot Ion	Ratio	Lower	Upper
63	100		
65	31.6	21.7	40.3
83	13.0	8.7	16.1



#20
 cis-1,2-Dichloroethene
 Concen: 50.702 ug/L
 RT: 4.72 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VU035516.D
 Acq: 26 Oct 2019 14:01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	133.7	93.0	172.8
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 99.062 ug/L

RT: 4.77 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VU035516.D

Acq: 26 Oct 2019 14:01

Instrument :

MSVOA_U

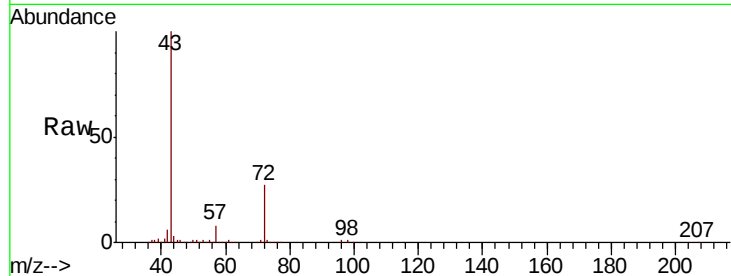
ClientSampleId :

Tot Ion: 43 Resp: 418990

Ion Ratio Lower Upper

43 100

72 25.5 13.4 40.1



Abundance Ion 43.00 (42.70 to 43.70): VU035516.D (-974) (-)

Ion 72.00 (71.70 to 72.70): VU035516.D (-974) (-)

4.77

200000

150000

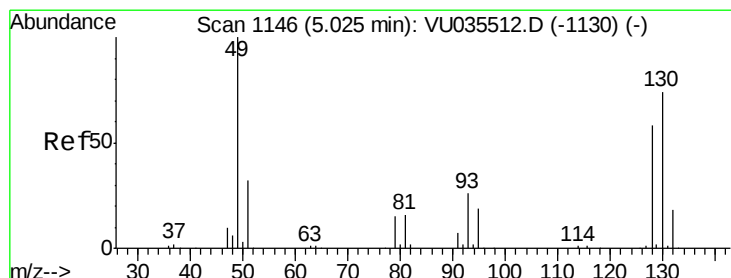
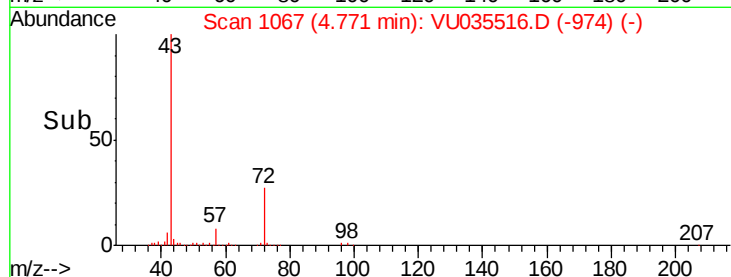
100000

50000

0

4.70 4.80 4.90

Time-->



#23

Bromochloromethane

Concen: 49.638 ug/L

RT: 5.02 min Scan# 1146

Delta R.T. 0.00 min

Lab File: VU035516.D

Acq: 26 Oct 2019 14:01

Tgt Ion:128 Resp: 124783

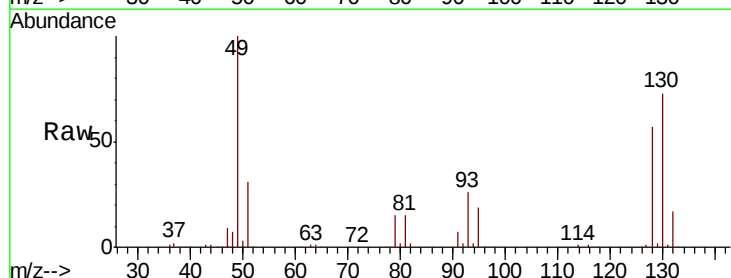
Ion Ratio Lower Upper

128 100

49 175.5 121.1 224.9

130 128.1 89.0 165.2

51 54.9 43.8 65.8



Abundance Ion 128.00 (127.70 to 128.70): VU035516.D (-1053) (-)

Ion 49.00 (48.70 to 49.70): VU035516.D (-1053) (-)

Ion 130.00 (129.70 to 130.70): VU035516.D (-1053) (-)

Ion 51.00 (50.70 to 51.70): VU035516.D (-1053) (-)

150000

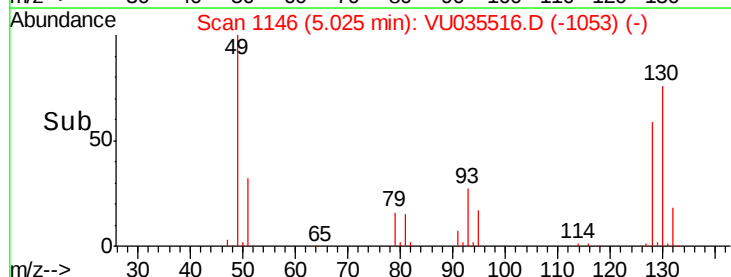
100000

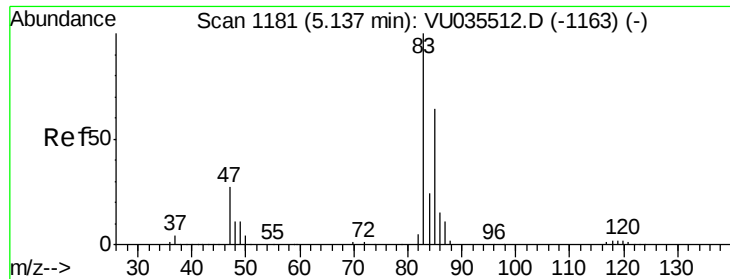
50000

0

4.95 5.00 5.05 5.10

Time-->

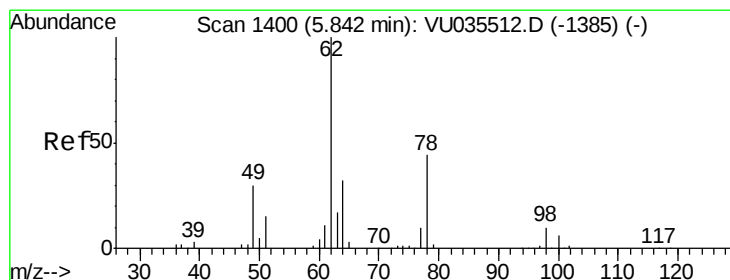
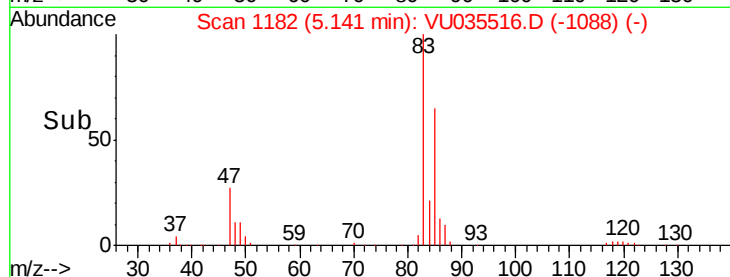
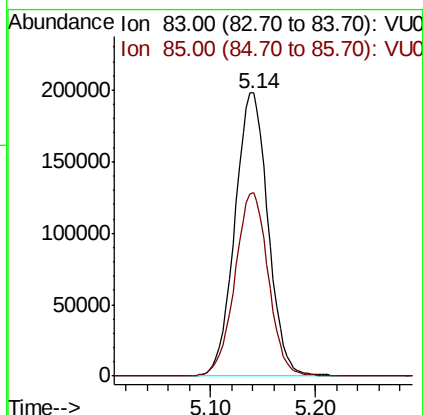
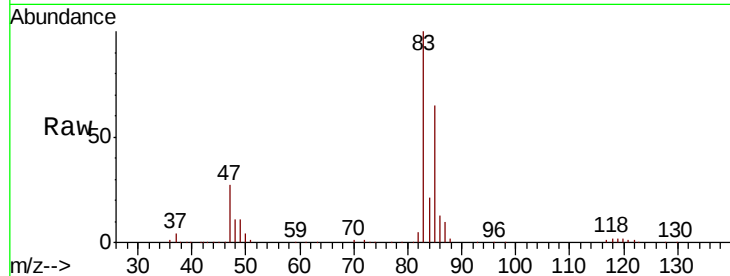




#25
Chloroform
Concen: 48.769 ug/L
RT: 5.14 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU035516.D
Acq: 26 Oct 2019 14:01

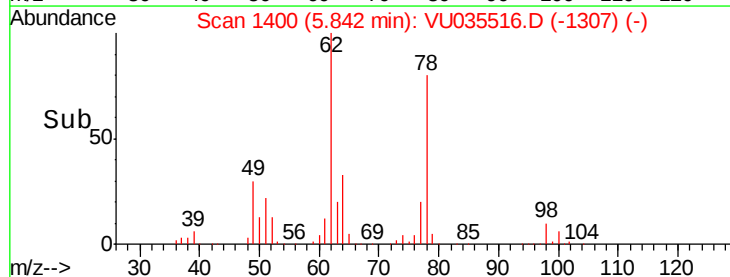
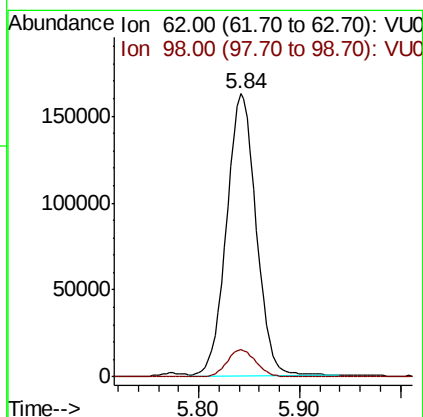
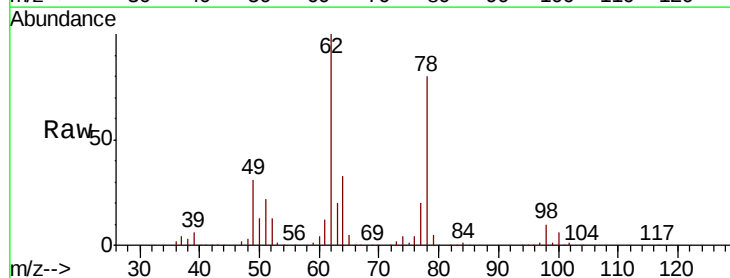
Instrument :
MSVOA_U
ClientSampleId :

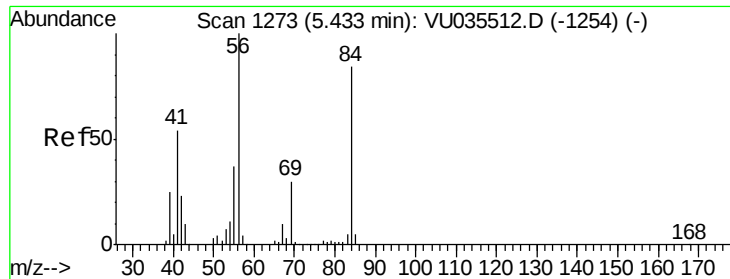
Tot Ion: 83 Resp: 432502
Ion Ratio Lower Upper
83 100
85 64.7 45.1 83.9



#27
1,2-Dichloroethane
Concen: 48.744 ug/L
RT: 5.84 min Scan# 1400
Delta R.T. 0.00 min
Lab File: VU035516.D
Acq: 26 Oct 2019 14:01

Tgt Ion: 62 Resp: 332853
Ion Ratio Lower Upper
62 100
98 9.6 7.8 11.6

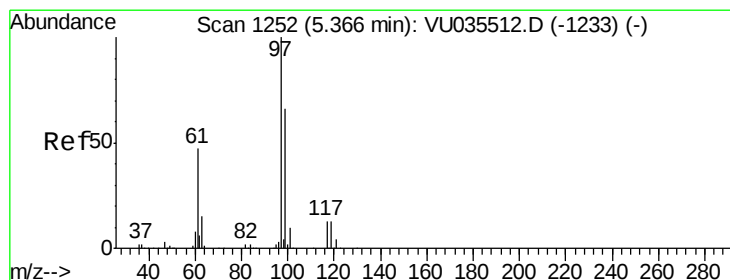
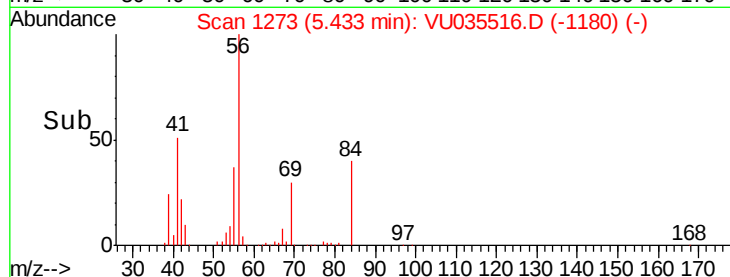
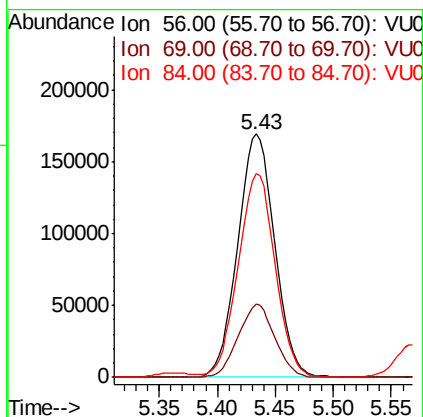
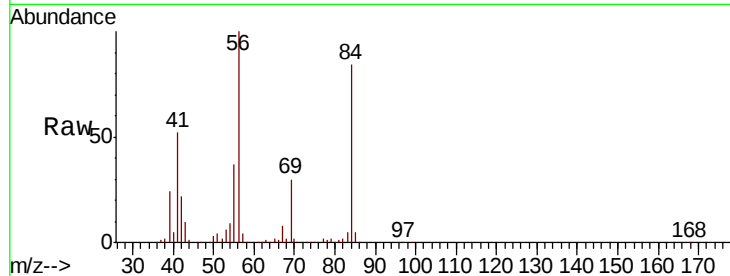




#29
Cyclohexane
Concen: 52.864 ug/L
RT: 5.43 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VU035516.D
Acq: 26 Oct 2019 14:01

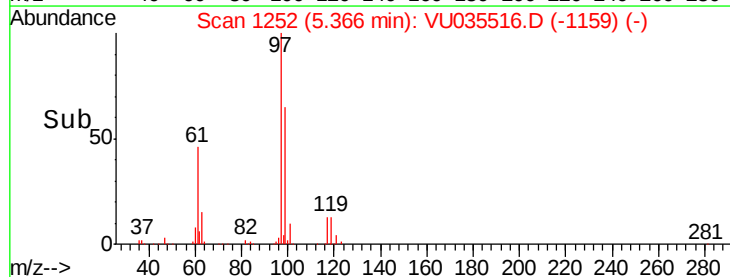
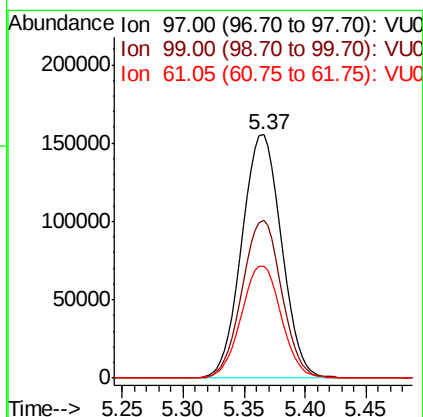
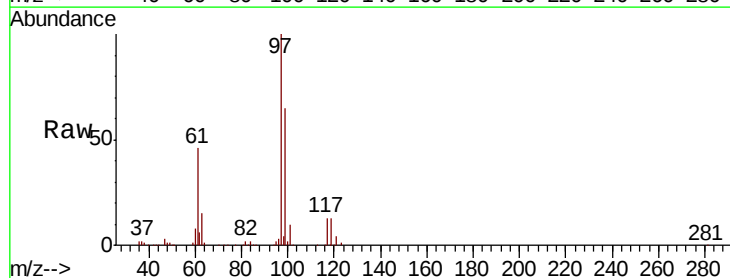
Instrument :
MSVOA_U
ClientSampleId :

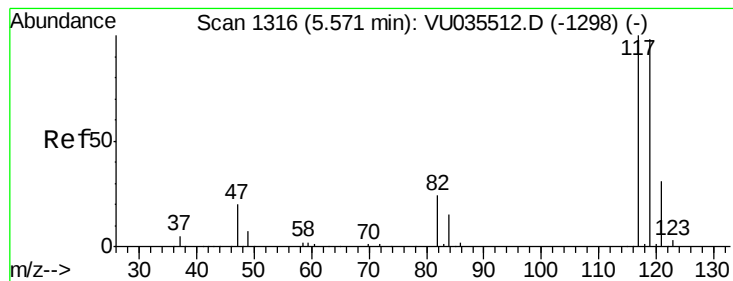
Tot Ion: 56 Resp: 376729
Ion Ratio Lower Upper
56 100
69 29.6 23.7 35.5
84 83.0 67.7 101.5



#30
1,1,1-Trichloroethane
Concen: 50.066 ug/L
RT: 5.37 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VU035516.D
Acq: 26 Oct 2019 14:01

Tgt Ion: 97 Resp: 350488
Ion Ratio Lower Upper
97 100
99 64.7 51.6 77.4
61 46.3 37.3 55.9





#31

Carbon tetrachloride

Concen: 50.609 ug/L

RT: 5.57 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VU035516.D

Acq: 26 Oct 2019 14:01

Instrument :

MSVOA_U

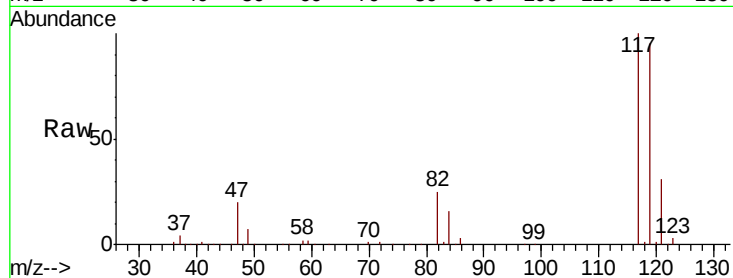
ClientSampleId :

Tot Ion:117 Resp: 311290

Ion Ratio Lower Upper

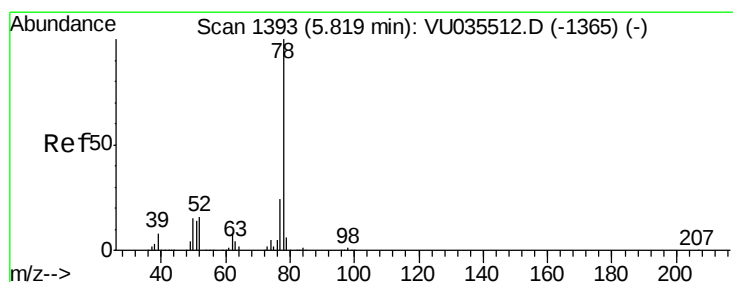
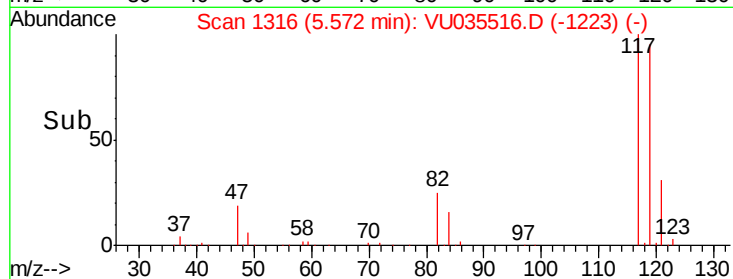
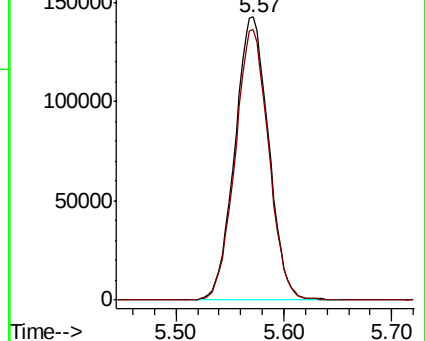
117 100

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: 51.262 ug/L

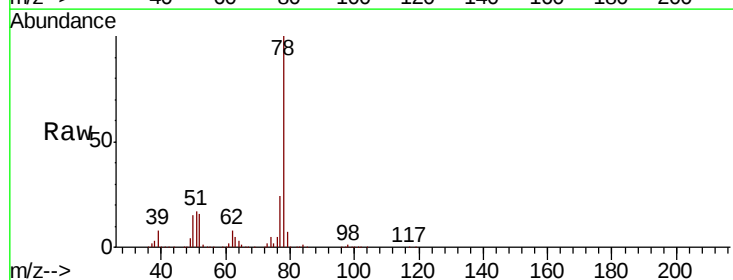
RT: 5.82 min Scan# 1393

Delta R.T. 0.00 min

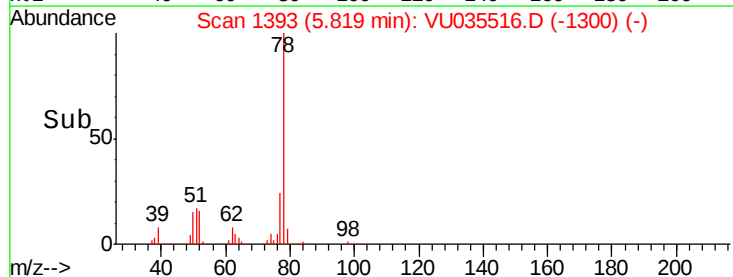
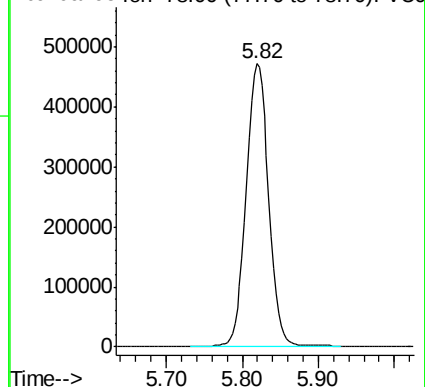
Lab File: VU035516.D

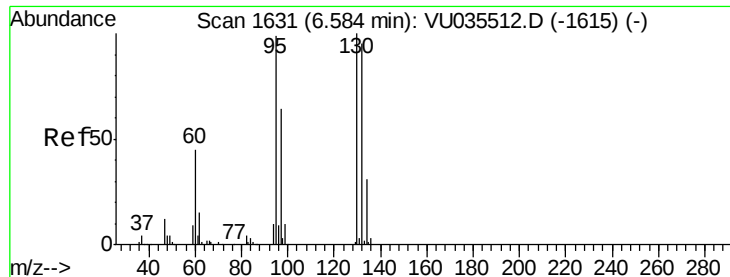
Acq: 26 Oct 2019 14:01

Tgt Ion: 78 Resp: 972592



Abundance Ion 78.00 (77.70 to 78.70): VU0

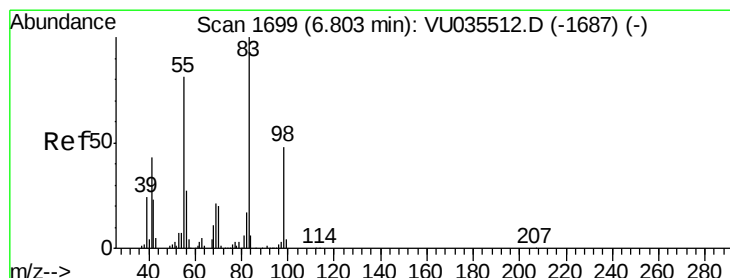
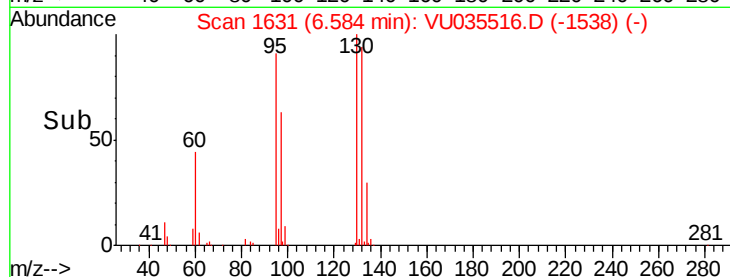
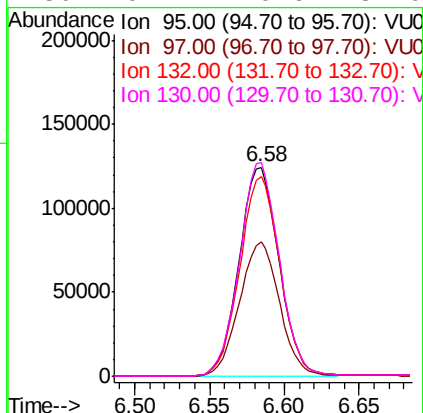
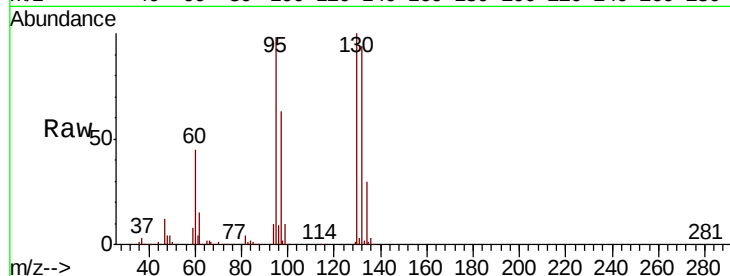




#34
 Trichloroethene
 Concen: 49.804 ug/L
 RT: 6.58 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: VU035516.D
 Acq: 26 Oct 2019 14:01

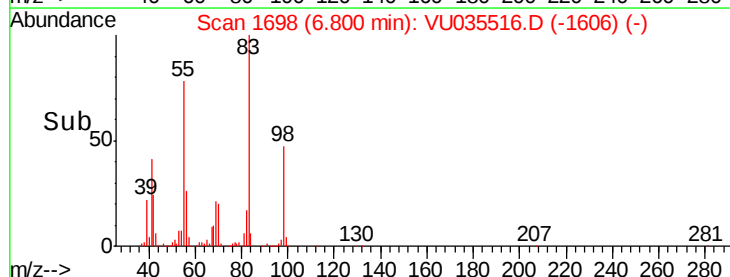
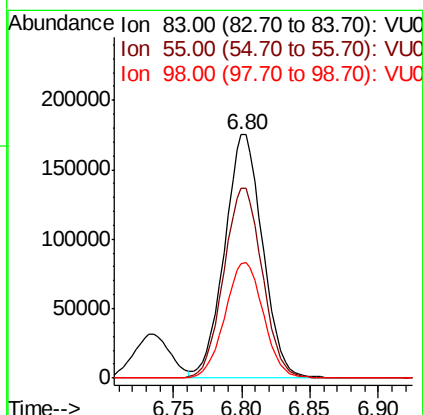
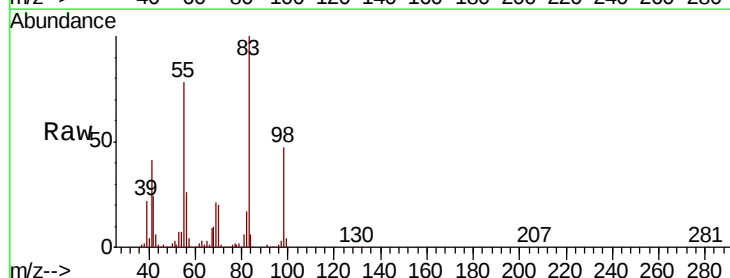
Instrument :
 MSVOA_U
 ClientSampleId :

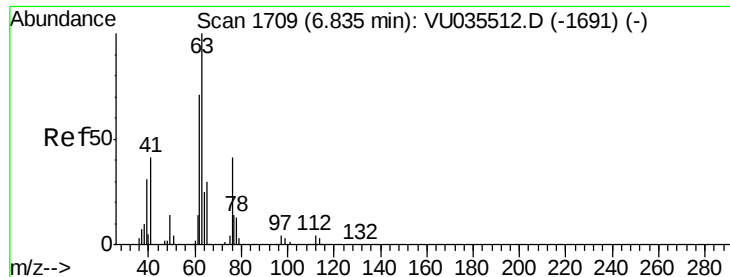
Tot Ion	Ratio	Lower	Upper
95	100		
97	64.2	45.1	83.7
132	95.9	67.2	124.8
130	102.4	70.6	131.0



#35
 Methylcyclohexane
 Concen: 52.128 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VU035516.D
 Acq: 26 Oct 2019 14:01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	79.2	65.1	97.7
98	48.0	38.9	58.3





#37

1,2-Dichloropropane

Concen: 50.250 ug/L

RT: 6.84 min Scan# 1709

Delta R.T. 0.00 min

Lab File: VU035516.D

Acq: 26 Oct 2019 14:01

Instrument :

MSVOA_U

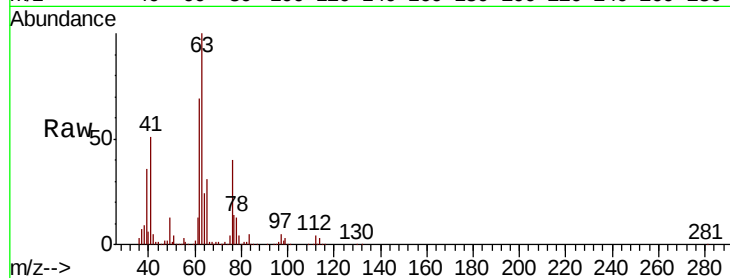
ClientSampleId :

Tot Ion: 63 Resp: 260602

Ion Ratio Lower Upper

63 100

112 4.1 3.4 5.0



Abundance Ion 63.00 (62.70 to 63.70): VU035512.D (-1691) (-)

Ion 112.00 (111.70 to 112.70): VU035512.D (-1691) (-)

6.84

150000

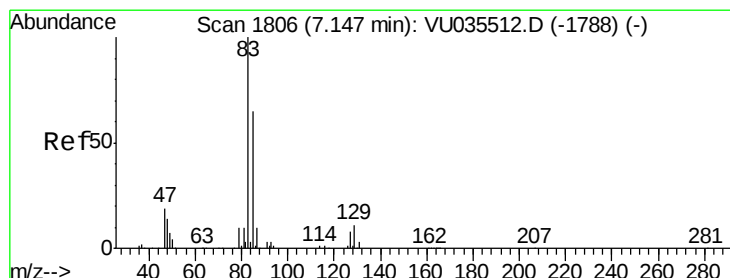
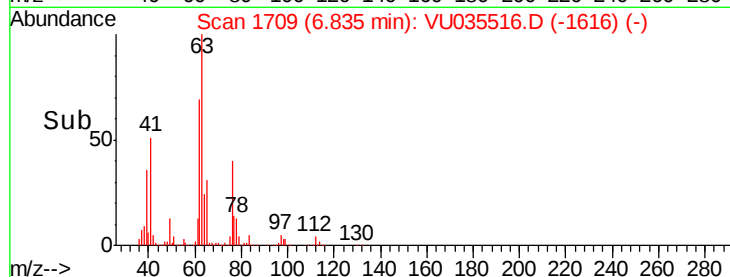
100000

50000

0

6.75 6.80 6.85 6.90

Time-->



#38

Bromodichloromethane

Concen: 50.225 ug/L

RT: 7.15 min Scan# 1806

Delta R.T. 0.00 min

Lab File: VU035516.D

Acq: 26 Oct 2019 14:01

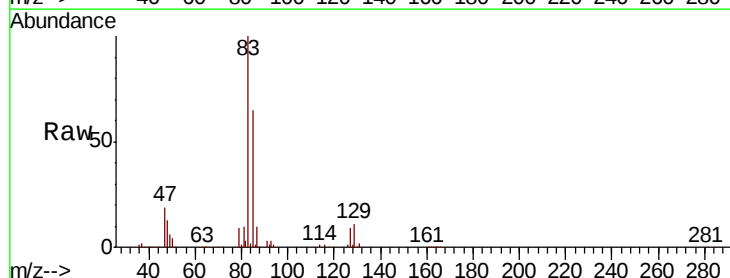
Tgt Ion: 83 Resp: 324012

Ion Ratio Lower Upper

83 100

85 65.4 45.6 84.6

127 8.5 6.6 10.0



Abundance Ion 83.00 (82.70 to 83.70): VU035512.D (-1788) (-)

Ion 85.00 (84.70 to 85.70): VU035512.D (-1788) (-)

Ion 127.00 (126.70 to 127.70): VU035512.D (-1788) (-)

7.15

200000

150000

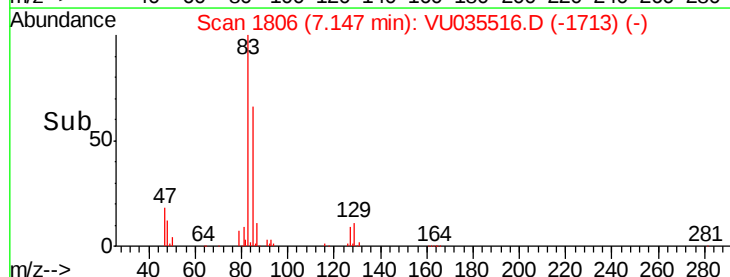
100000

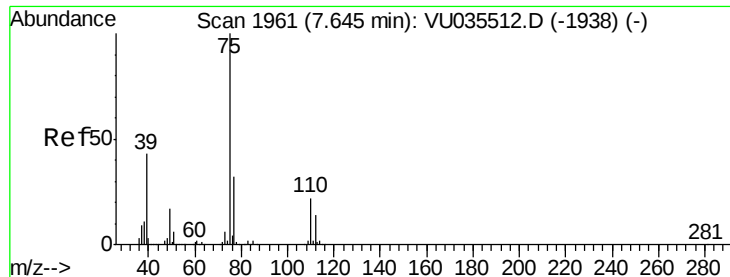
50000

0

7.05 7.10 7.15 7.20 7.25

Time-->

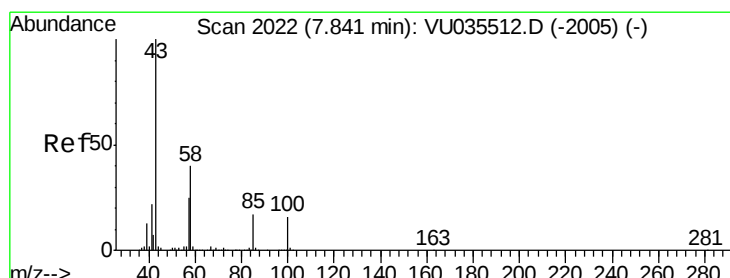
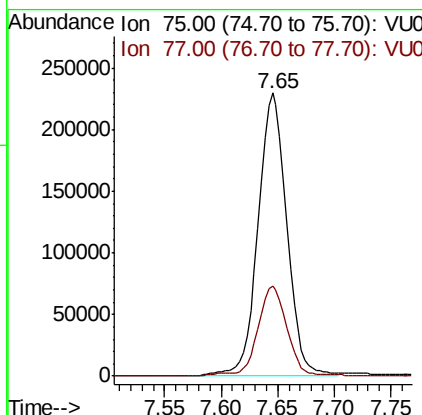
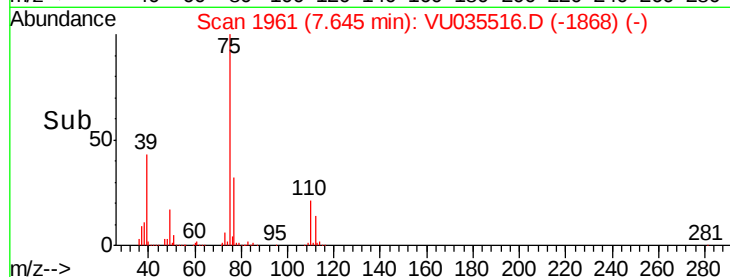
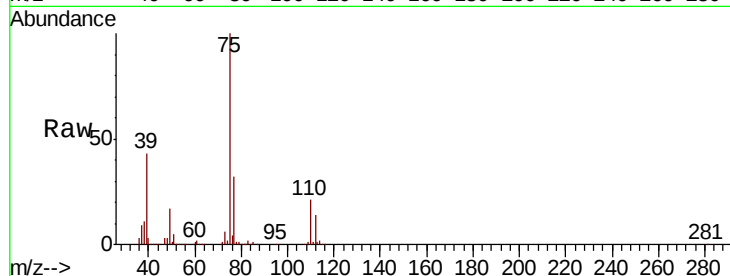




#39
 cis-1,3-Dichloropropene
 Concen: 52.989 ug/L
 RT: 7.65 min Scan# 1961
 Delta R.T. 0.00 min
 Lab File: VU035516.D
 Acq: 26 Oct 2019 14:01

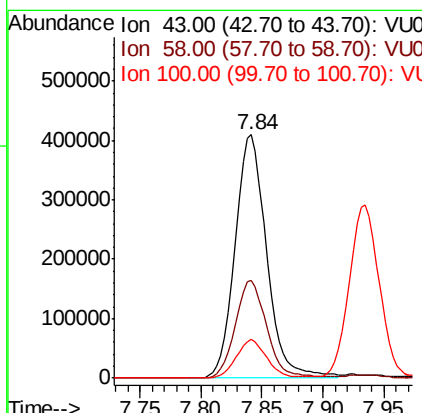
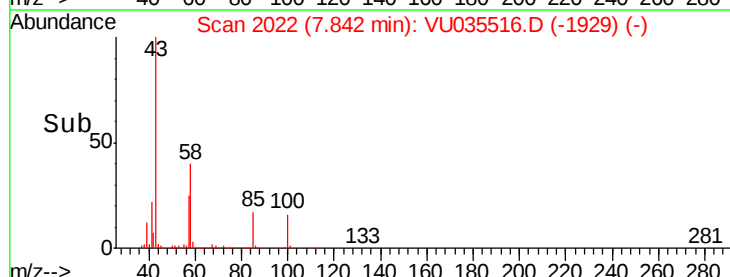
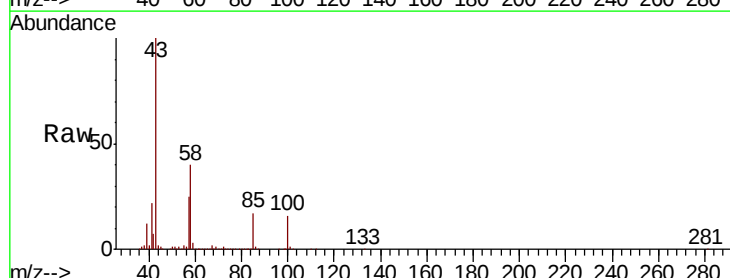
Instrument :
 MSVOA_U
 ClientSampled :

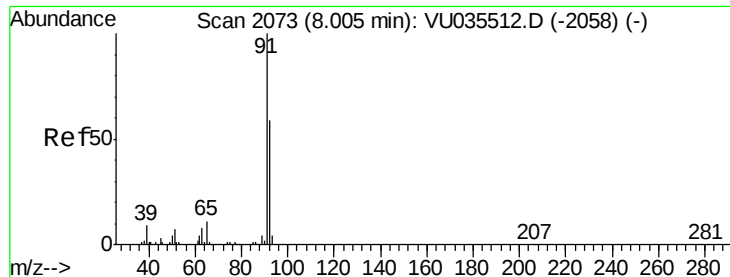
Tot Ion: 75 Resp: 406627
 Ion Ratio Lower Upper
 75 100
 77 32.1 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 103.842 ug/L
 RT: 7.84 min Scan# 2022
 Delta R.T. 0.00 min
 Lab File: VU035516.D
 Acq: 26 Oct 2019 14:01

Tgt Ion: 43 Resp: 734445
 Ion Ratio Lower Upper
 43 100
 58 40.1 31.9 47.9
 100 15.4 12.3 18.5





#42

Toluene

Concen: 52.165 ug/L

RT: 8.01 min Scan# 2073

Delta R.T. 0.00 min

Lab File: VU035516.D

Acq: 26 Oct 2019 14:01

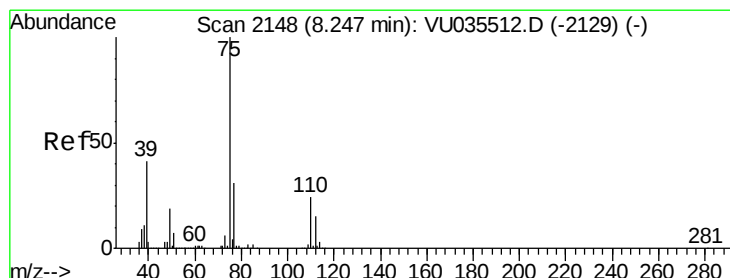
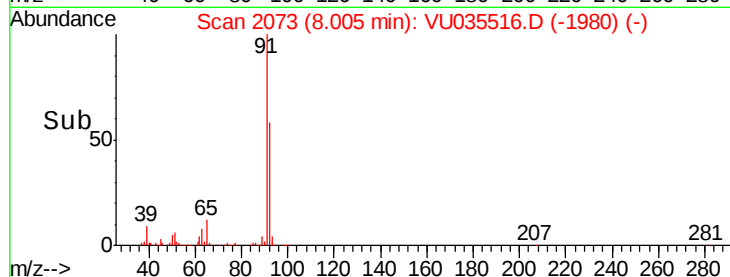
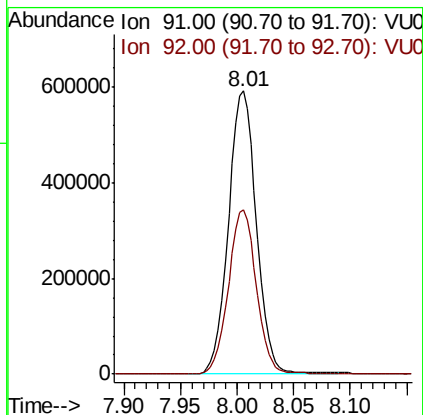
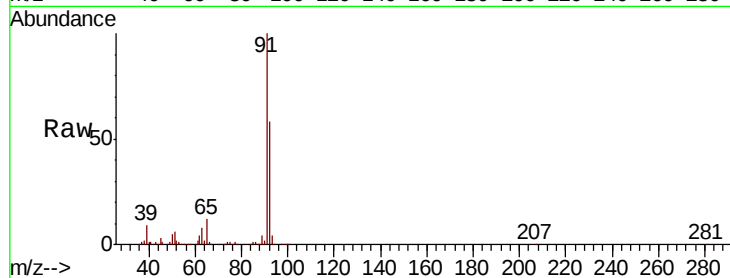
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 1020750

Ion Ratio Lower Upper

91 100

92 58.3 41.0 76.2



#44

trans-1,3-Dichloropropene

Concen: 52.385 ug/L

RT: 8.25 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VU035516.D

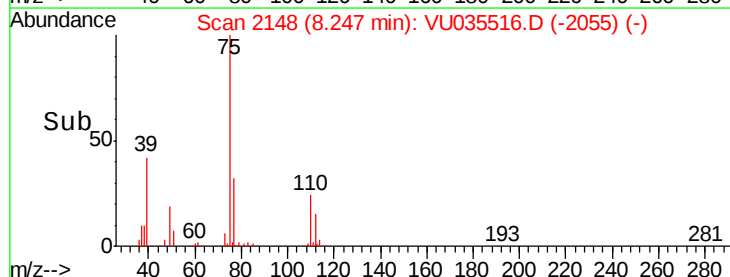
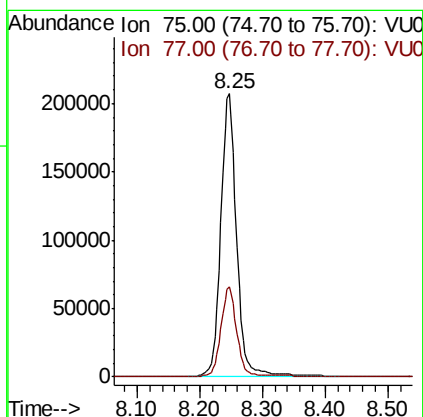
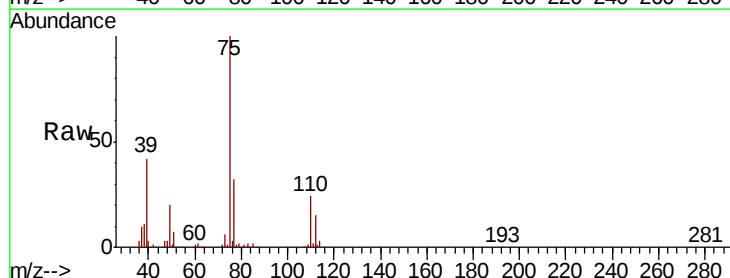
Acq: 26 Oct 2019 14:01

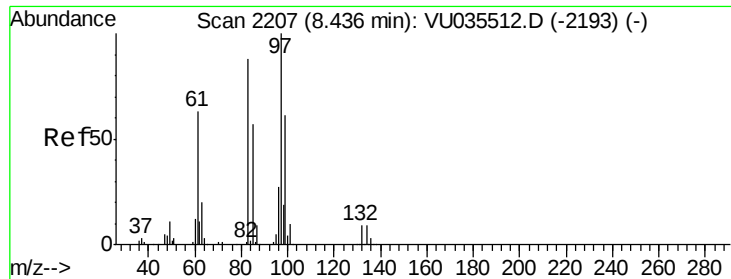
Tgt Ion: 75 Resp: 366776

Ion Ratio Lower Upper

75 100

77 31.9 21.9 40.7

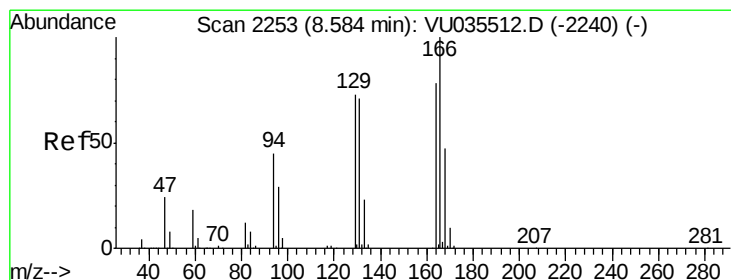
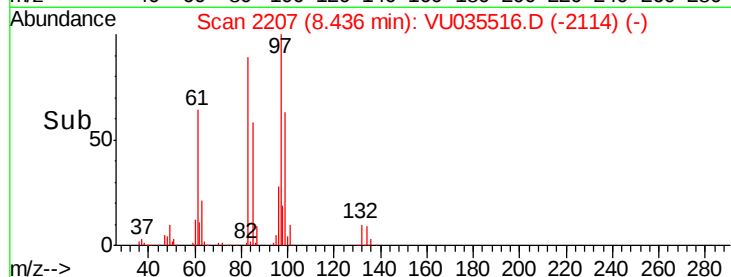
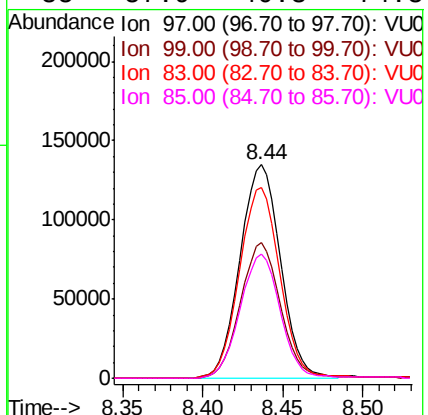
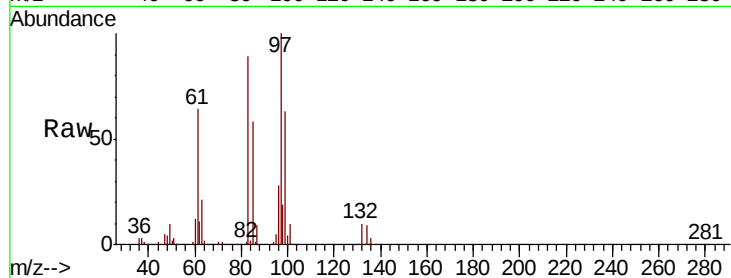




#45
 1,1,2-Trichloroethane
 Concen: 49.363 ug/L
 RT: 8.44 min Scan# 2207
 Delta R.T. 0.00 min
 Lab File: VU035516.D
 Acq: 26 Oct 2019 14:01

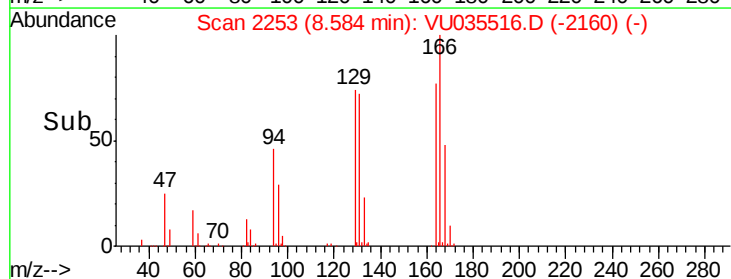
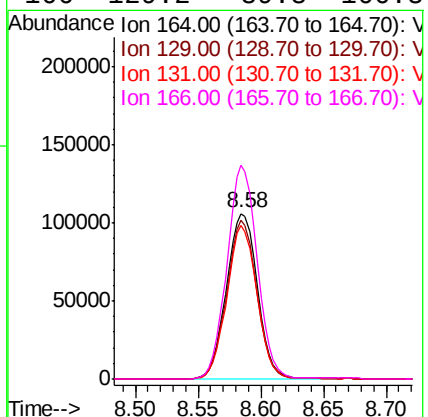
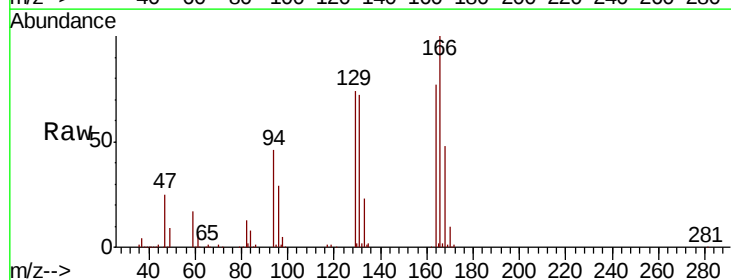
Instrument :
 MSVOA_U
 ClientSampleId :

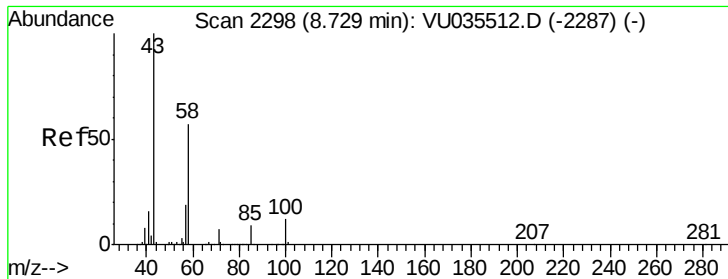
Tot Ion:	97	Resp:	234127
Ion	Ratio	Lower	Upper
97	100		
99	63.5	42.7	79.3
83	89.5	61.7	114.5
85	57.9	40.3	74.8



#46
 Tetrachloroethene
 Concen: 49.916 ug/L
 RT: 8.58 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VU035516.D
 Acq: 26 Oct 2019 14:01

Tgt Ion:	164	Resp:	181817
Ion	Ratio	Lower	Upper
164	100		
129	96.2	65.9	122.3
131	92.9	63.6	118.0
166	129.2	89.8	166.8

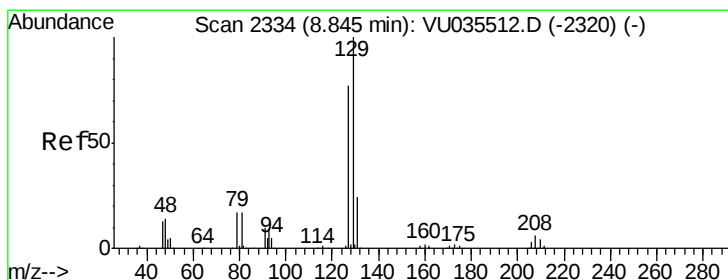
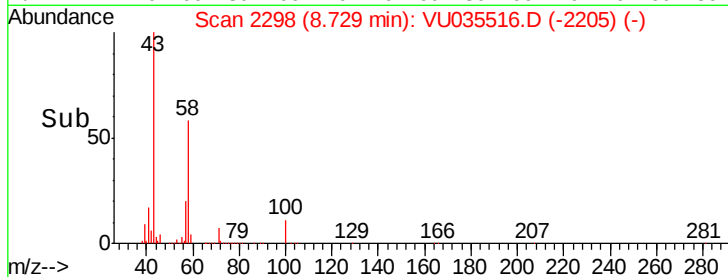
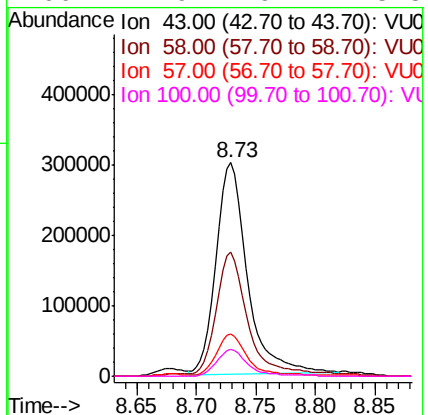
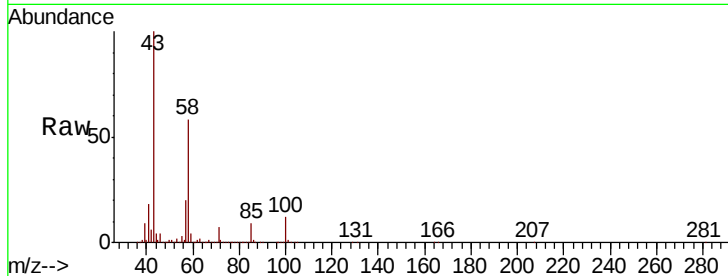




#48
2-Hexanone
Concen: 94.055 ug/L
RT: 8.73 min Scan# 2298
Delta R.T. 0.00 min
Lab File: VU035516.D
Acq: 26 Oct 2019 14:01

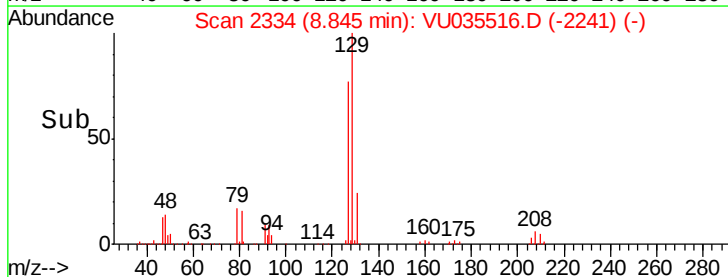
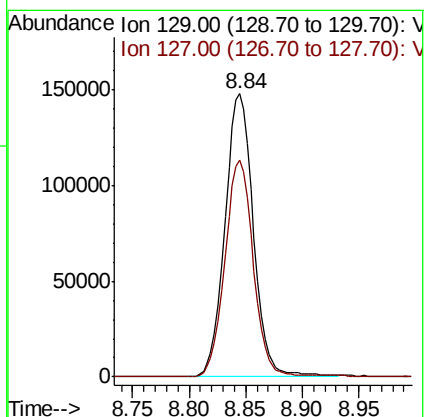
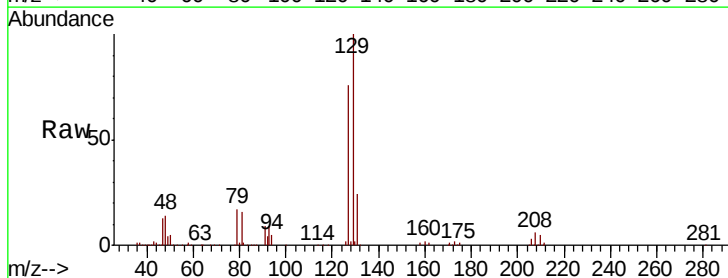
Instrument :
MSVOA_U
ClientSampleId :

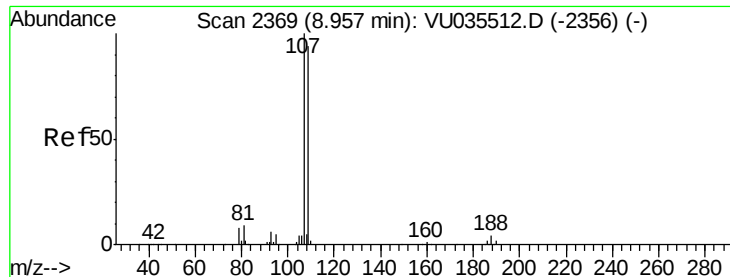
Tot Ion:	43	Resp:	544739
Ion	Ratio	Lower	Upper
43	100		
58	61.5	45.6	68.4
57	19.2	14.1	21.1
100	12.9	9.2	13.8



#49
Dibromochloromethane
Concen: 50.723 ug/L
RT: 8.84 min Scan# 2334
Delta R.T. 0.00 min
Lab File: VU035516.D
Acq: 26 Oct 2019 14:01

Tgt Ion:	129	Resp:	259829
Ion	Ratio	Lower	Upper
129	100		
127	76.5	53.7	99.7

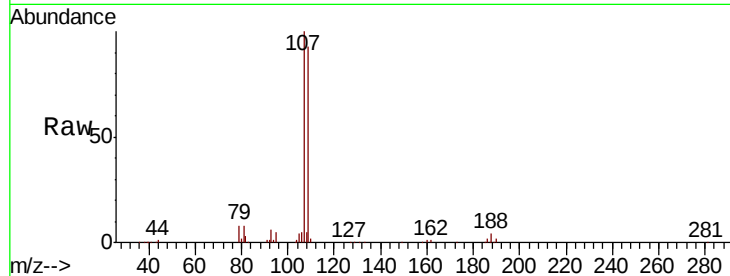




#50
1,2-Dibromoethane
Concen: 50.241 ug/L
RT: 8.96 min Scan# 2369
Delta R.T. 0.00 min
Lab File: VU035516.D
Acq: 26 Oct 2019 14:01

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.3	65.7	122.1
188	3.7	3.1	4.7

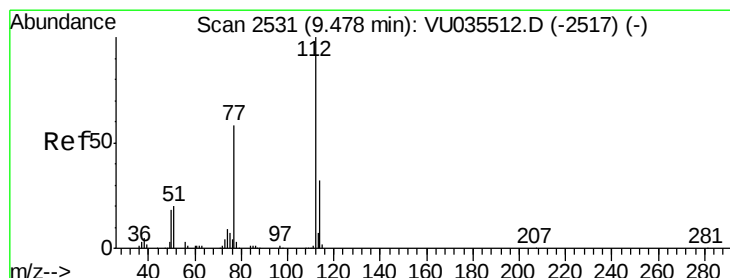
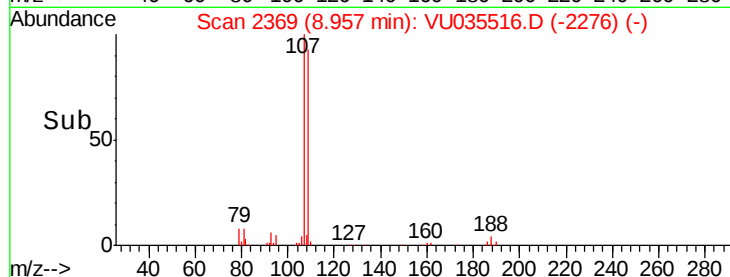
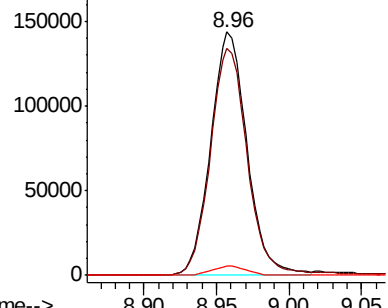


Abundance

Ion 107.00 (106.70 to 107.70): V

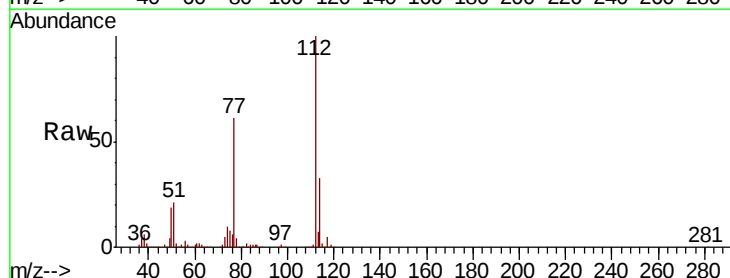
Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51
Chlorobenzene
Concen: 50.139 ug/L
RT: 9.48 min Scan# 2531
Delta R.T. 0.00 min
Lab File: VU035516.D
Acq: 26 Oct 2019 14:01

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.7	22.1	41.1
77	61.0	46.7	70.1

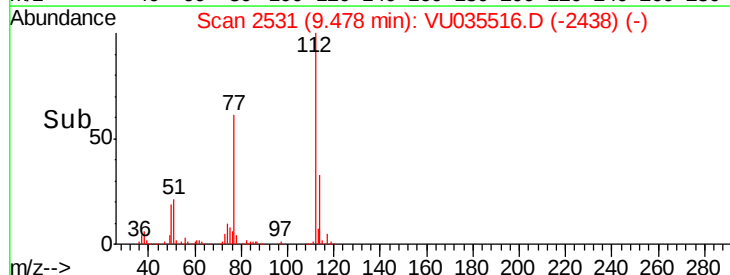
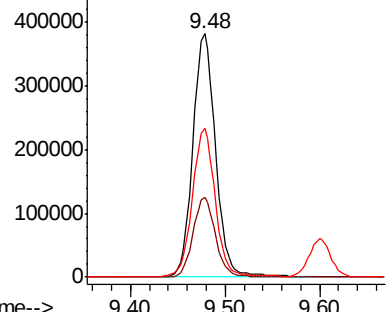


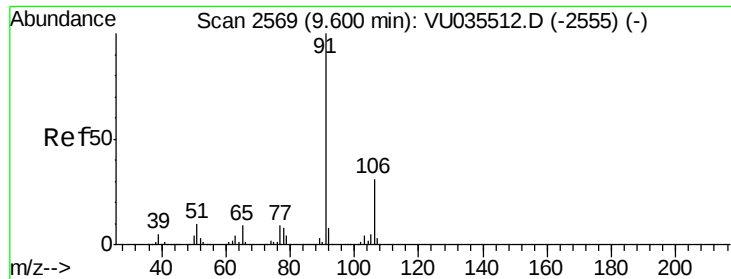
Abundance

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: 52.847 ug/L

RT: 9.60 min Scan# 2569

Delta R.T. 0.00 min

Lab File: VU035516.D

Acq: 26 Oct 2019 14:01

Instrument :

MSVOA_U

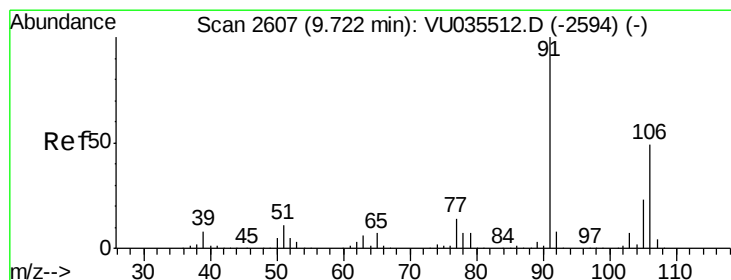
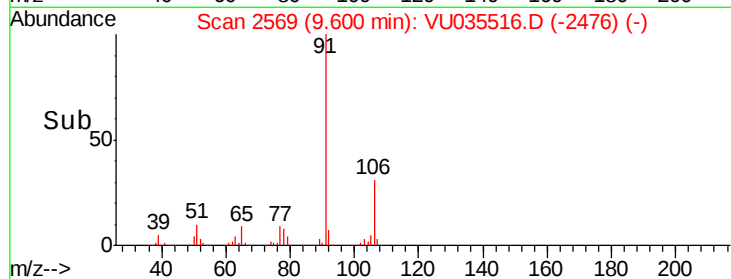
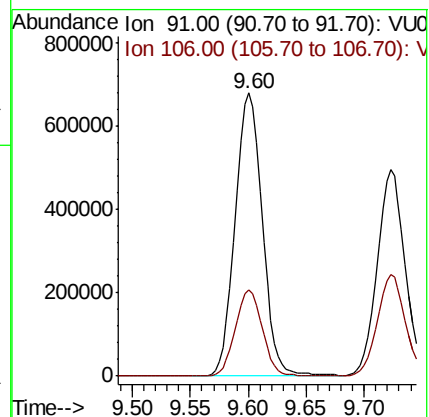
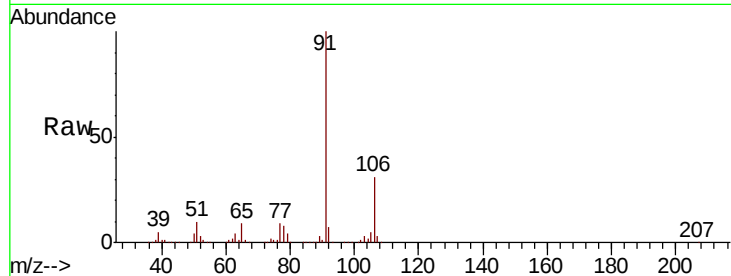
ClientSampleId :

Tot Ion: 91 Resp: 1101723

Ion Ratio Lower Upper

91 100

106 30.7 21.6 40.0



#53

m,p-Xylene

Concen: 53.606 ug/L

RT: 9.72 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VU035516.D

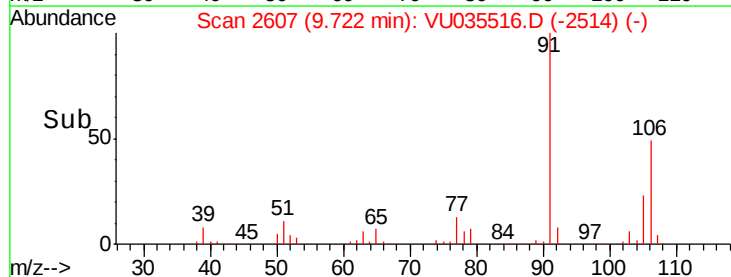
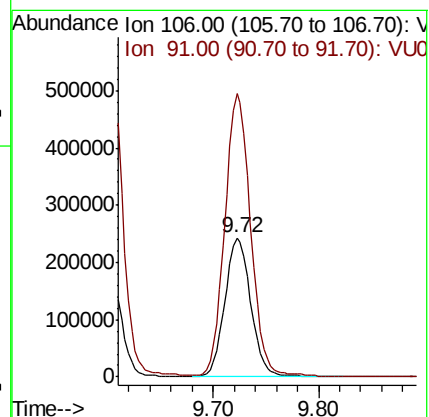
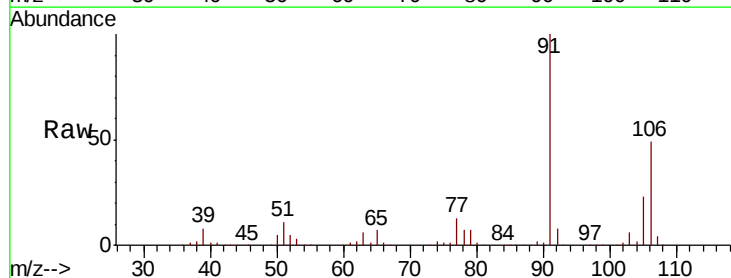
Acq: 26 Oct 2019 14:01

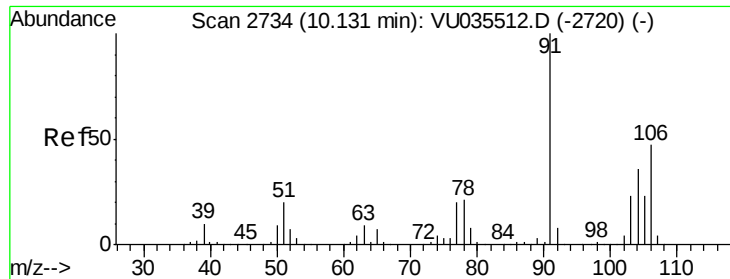
Tgt Ion: 106 Resp: 414230

Ion Ratio Lower Upper

106 100

91 203.5 141.7 263.3





#54

o-xylene

Concen: 53.813 ug/L

RT: 10.13 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU035516.D

Acq: 26 Oct 2019 14:01

Instrument :

MSVOA_U

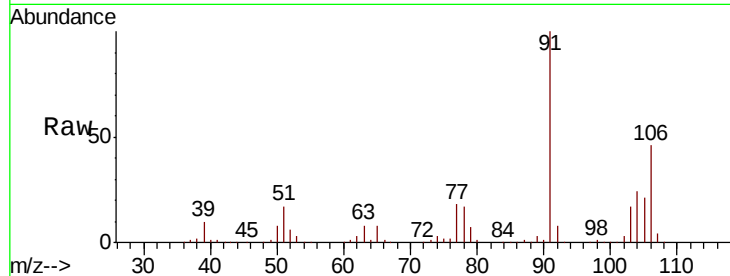
ClientSampled :

Tot Ion:106 Resp: 406906

Ion Ratio Lower Upper

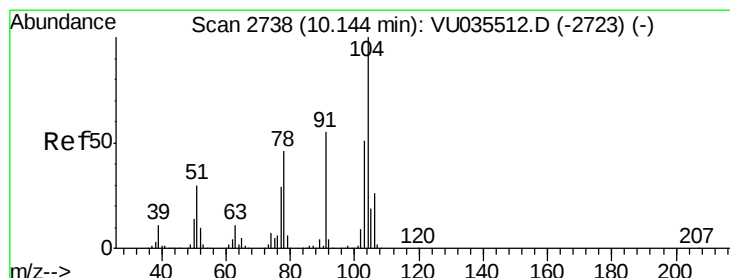
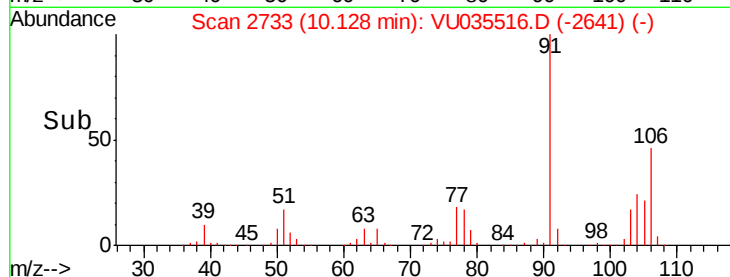
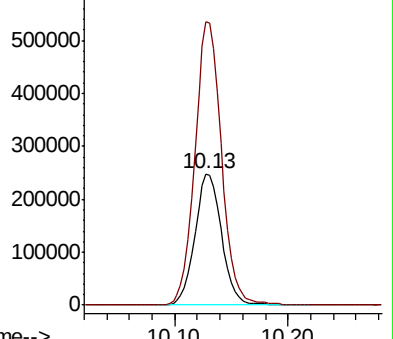
106 100

91 215.8 150.3 279.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 54.239 ug/L

RT: 10.14 min Scan# 2738

Delta R.T. 0.00 min

Lab File: VU035516.D

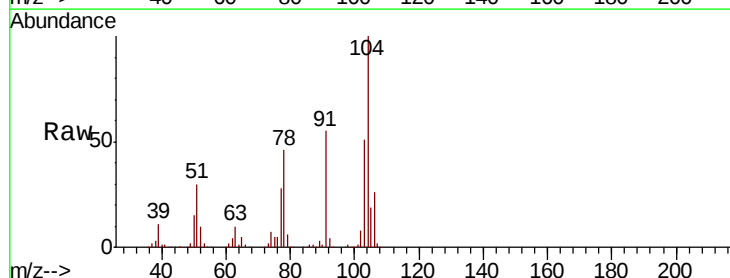
Acq: 26 Oct 2019 14:01

Tgt Ion:104 Resp: 669309

Ion Ratio Lower Upper

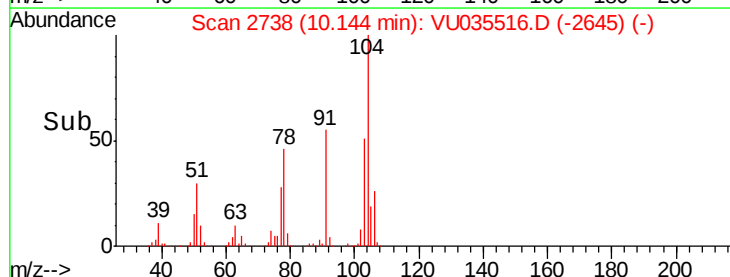
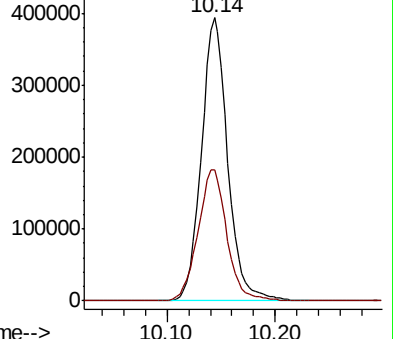
104 100

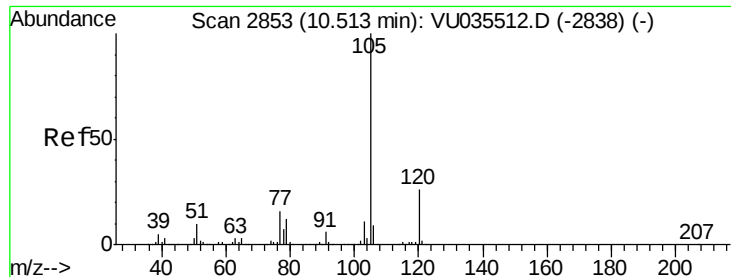
78 46.2 32.3 59.9



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 53.889 ug/L

RT: 10.51 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VU035516.D

Acq: 26 Oct 2019 14:01

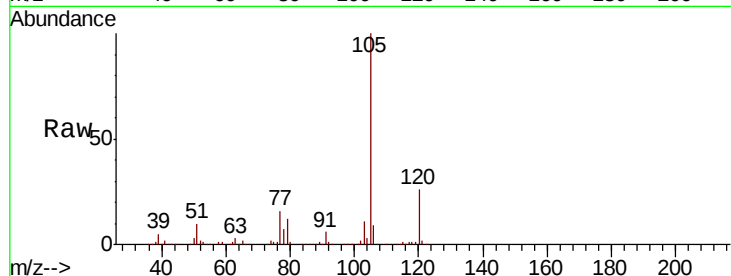
Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:105 Resp: 1025235

Ion	Ratio	Lower	Upper
105	100		
120	26.1	21.0	31.4
77	15.9	12.8	19.2

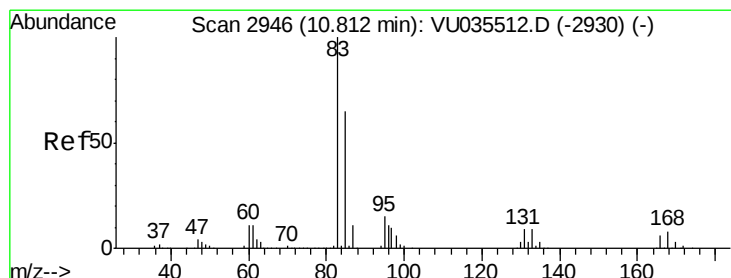
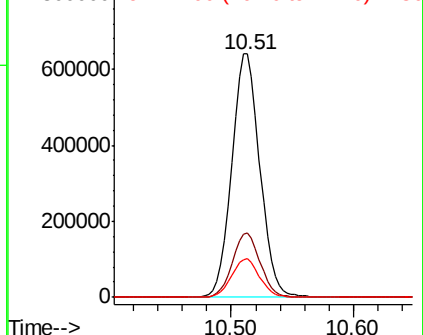
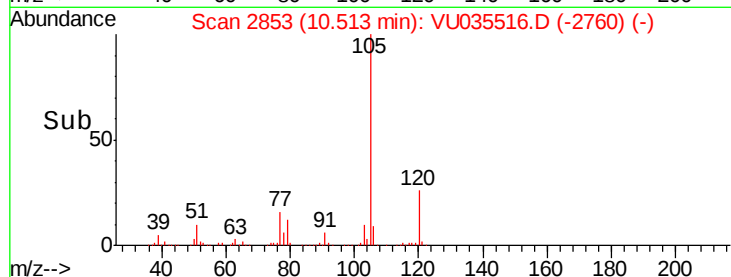


Abundance

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: 49.152 ug/L

RT: 10.81 min Scan# 2946

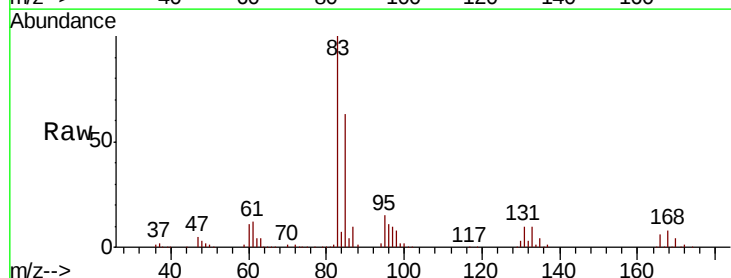
Delta R.T. 0.00 min

Lab File: VU035516.D

Acq: 26 Oct 2019 14:01

Tgt Ion: 83 Resp: 411939

Ion	Ratio	Lower	Upper
83	100		
85	63.4	45.4	84.4
131	9.6	7.5	11.3

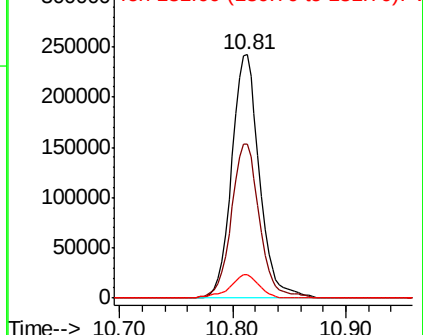
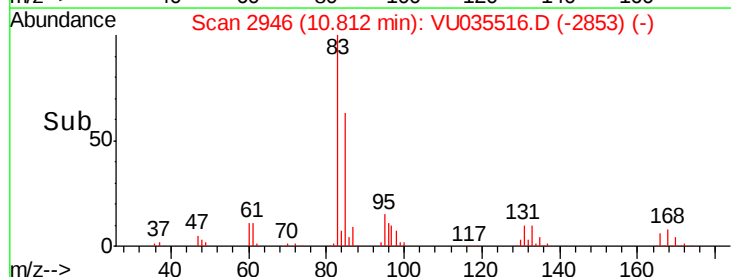


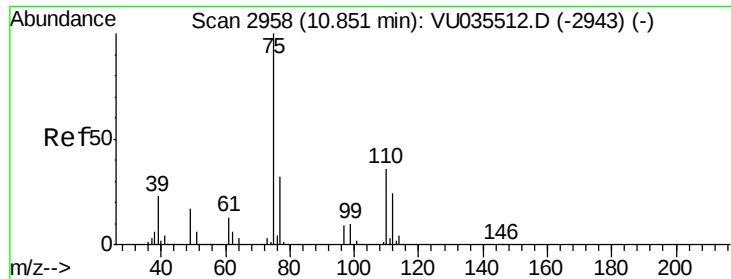
Abundance

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: 49.116 ug/L

RT: 10.85 min Scan# 2958

Delta R.T. 0.00 min

Lab File: VU035516.D

Acq: 26 Oct 2019 14:01

Instrument :

MSVOA_U

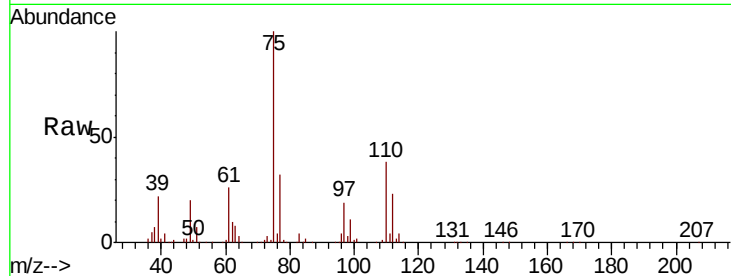
ClientSampleId :

Tot Ion: 75 Resp: 327388

Ion Ratio Lower Upper

75 100

77 32.4 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

200000

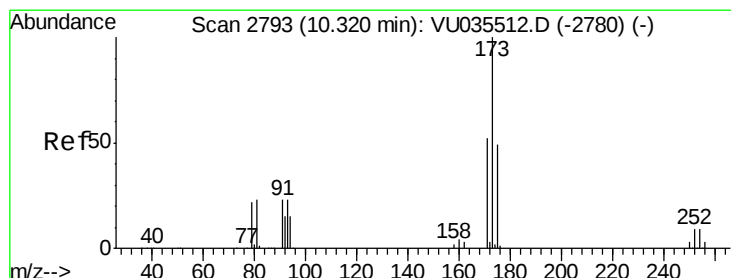
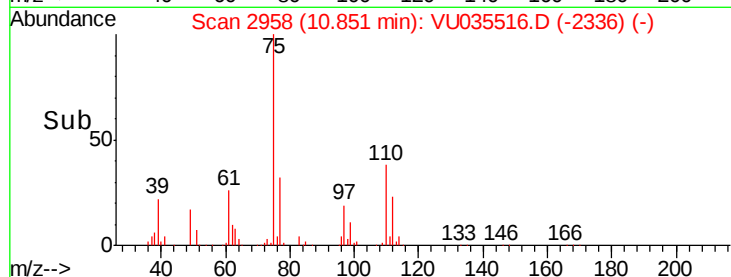
150000

100000

50000

0

Time-->



#61

Bromoform

Concen: 46.412 ug/L

RT: 10.32 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VU035516.D

Acq: 26 Oct 2019 14:01

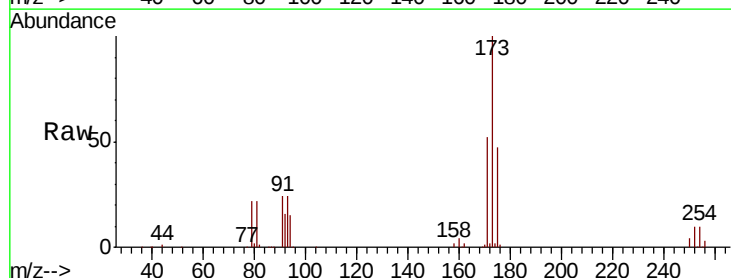
Tgt Ion: 173 Resp: 191920

Ion Ratio Lower Upper

173 100

175 47.9 39.3 58.9

254 9.5 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

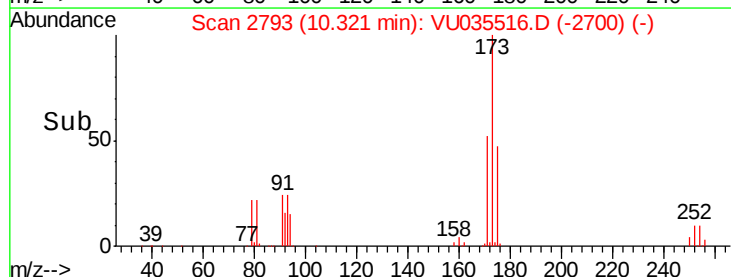
150000

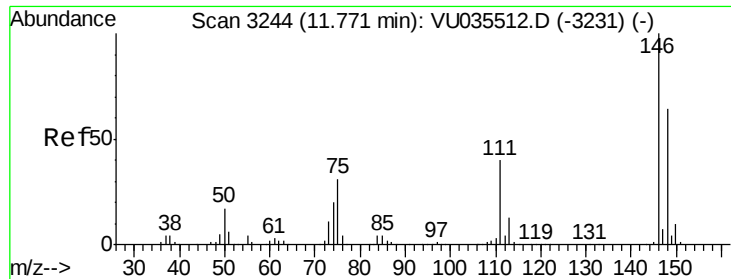
100000

50000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 51.056 ug/L

RT: 11.77 min Scan# 3244

Delta R.T. 0.00 min

Lab File: VU035516.D

Acq: 26 Oct 2019 14:01

Instrument :

MSVOA_U

ClientSampleId :

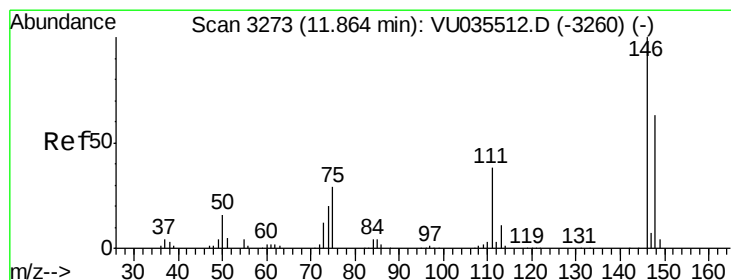
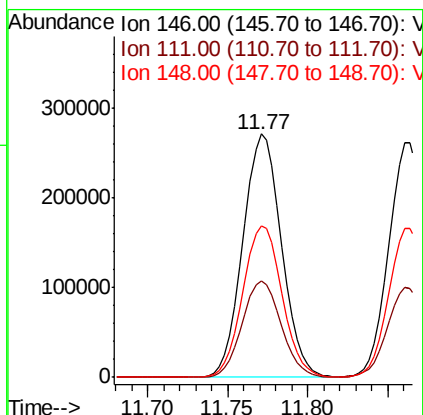
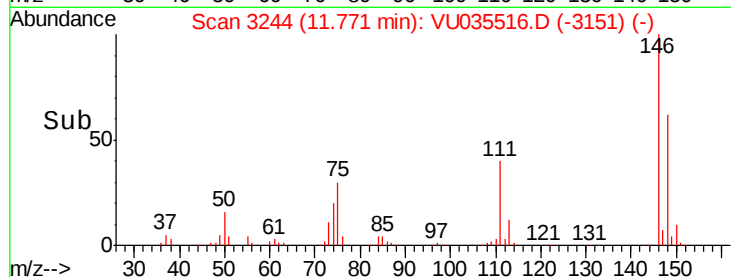
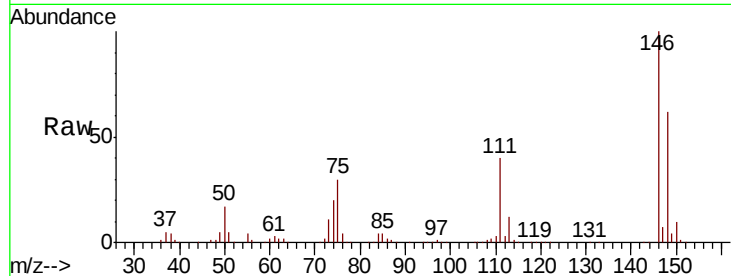
Tot Ion:146 Resp: 446365

Ion Ratio Lower Upper

146 100

111 39.8 28.1 52.1

148 62.4 45.0 83.6



#63

1,4-Dichlorobenzene

Concen: 49.112 ug/L

RT: 11.86 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VU035516.D

Acq: 26 Oct 2019 14:01

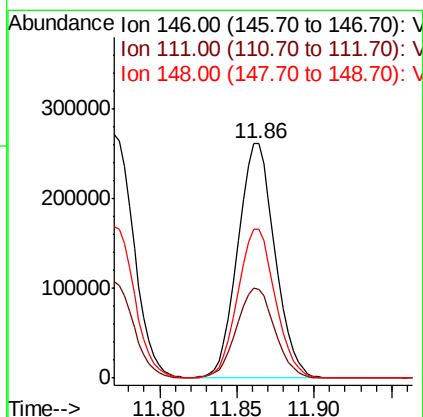
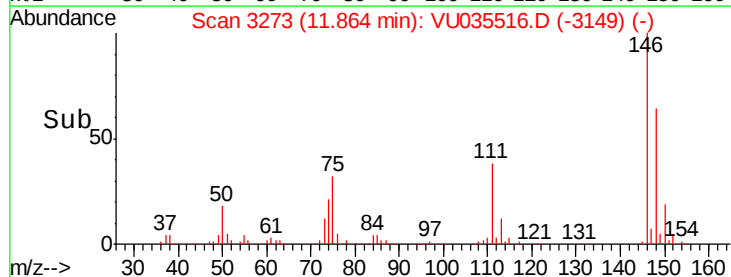
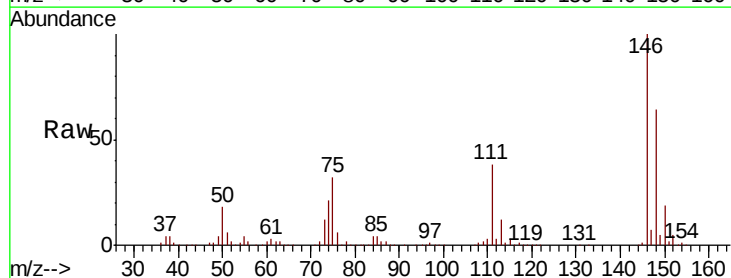
Tgt Ion:146 Resp: 436863

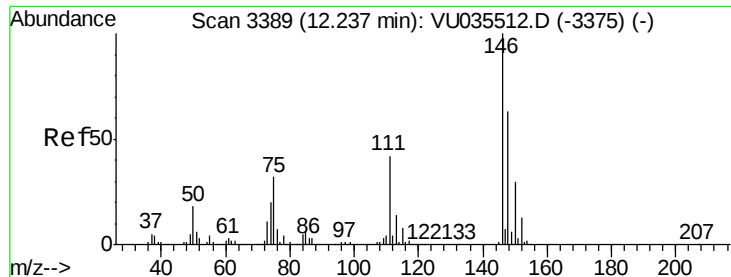
Ion Ratio Lower Upper

146 100

111 37.9 26.7 49.5

148 63.7 44.4 82.4

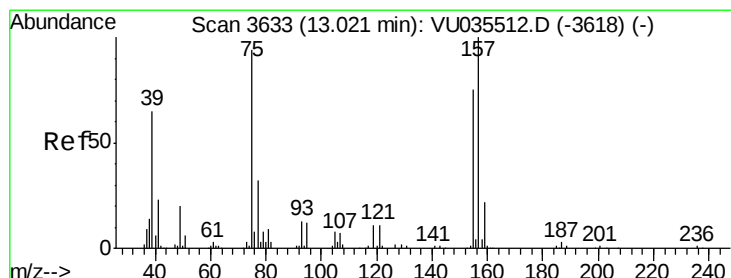
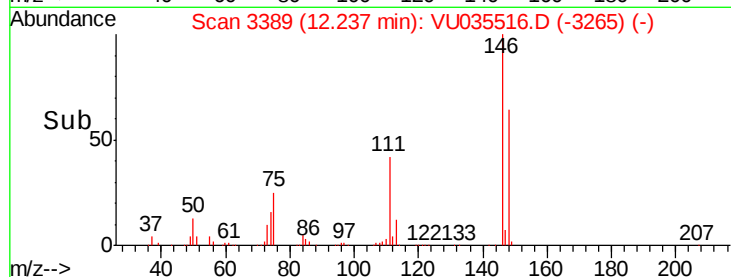
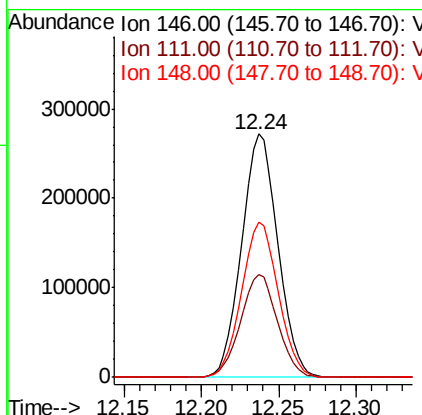
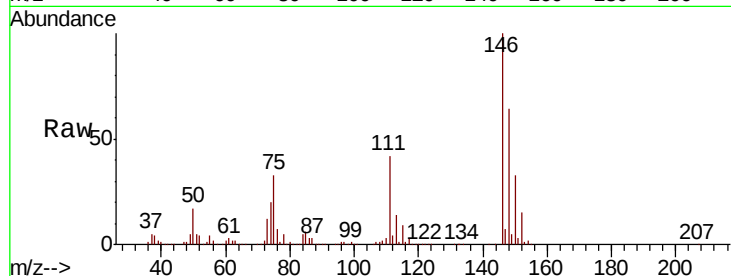




#65
 1,2-Dichlorobenzene
 Concen: 49.846 ug/L
 RT: 12.24 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VU035516.D
 Acq: 26 Oct 2019 14:01

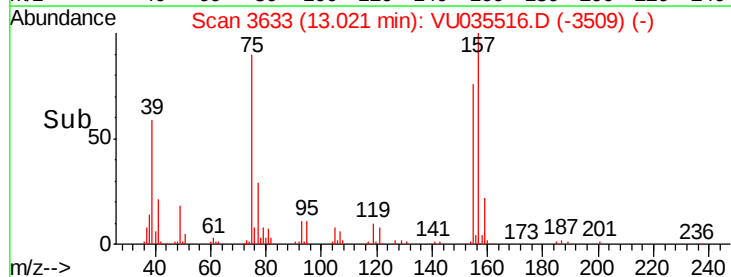
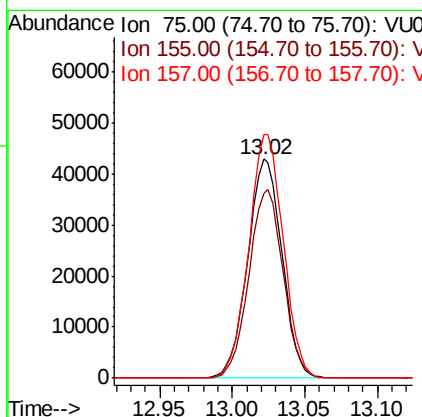
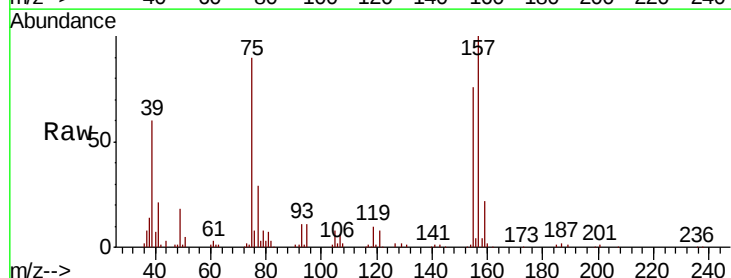
Instrument :
 MSVOA_U
 ClientSampleId :

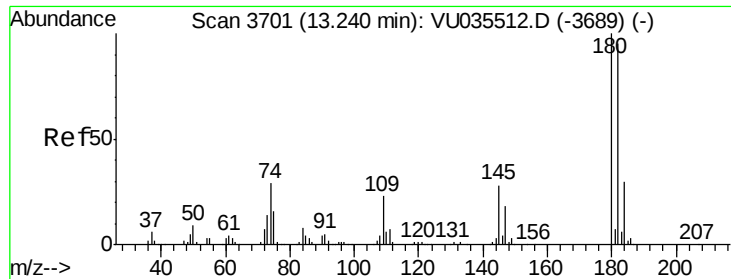
Tot Ion:146 Resp: 443687
 Ion Ratio Lower Upper
 146 100
 111 42.5 33.6 50.4
 148 63.7 50.3 75.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 47.898 ug/L
 RT: 13.02 min Scan# 3633
 Delta R.T. 0.00 min
 Lab File: VU035516.D
 Acq: 26 Oct 2019 14:01

Tgt Ion: 75 Resp: 70825
 Ion Ratio Lower Upper
 75 100
 155 84.6 64.2 96.4
 157 111.2 85.1 127.7

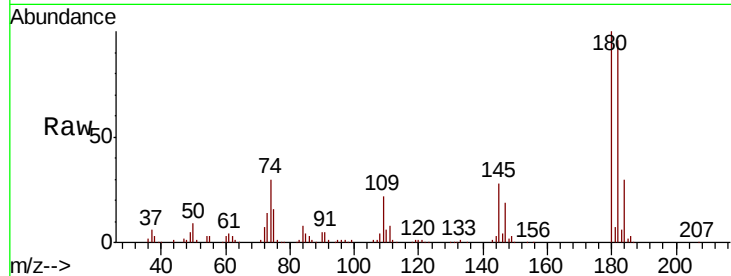




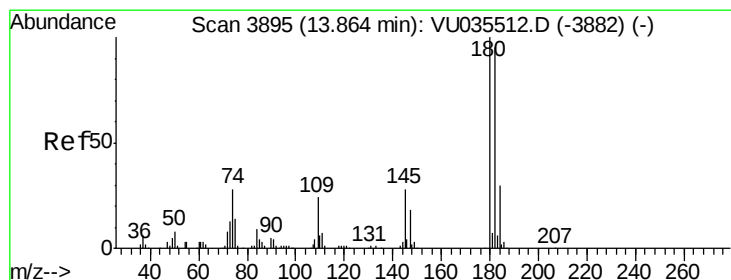
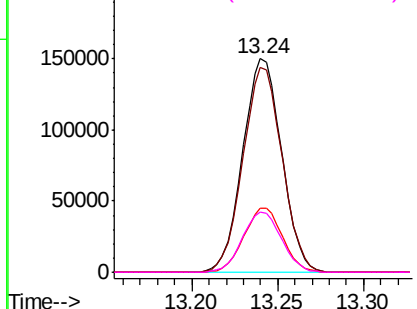
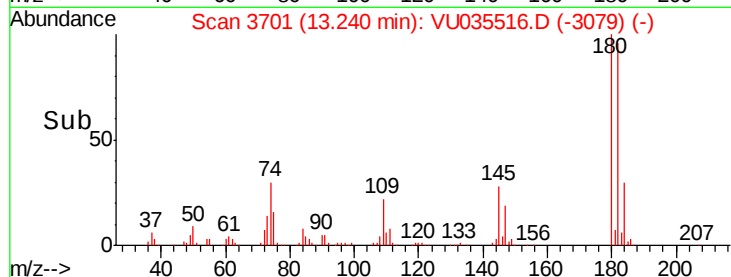
#67
 1,3,5-Trichlorobenzene
 Concen: 52.843 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VU035516.D
 Acq: 26 Oct 2019 14:01

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	180	Resp:	235909
Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.6	114.8
184	29.9	23.9	35.9
145	28.2	22.4	33.6

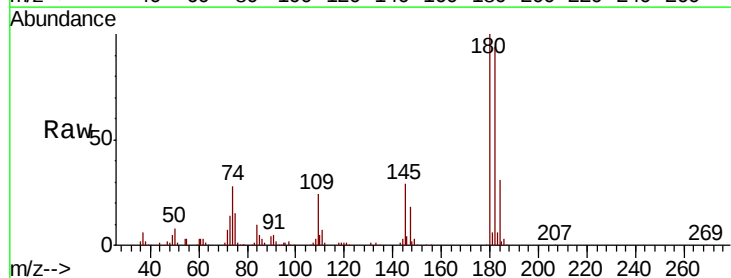


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

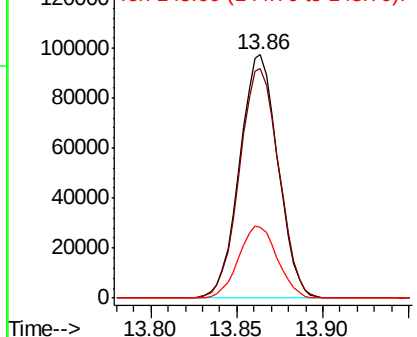
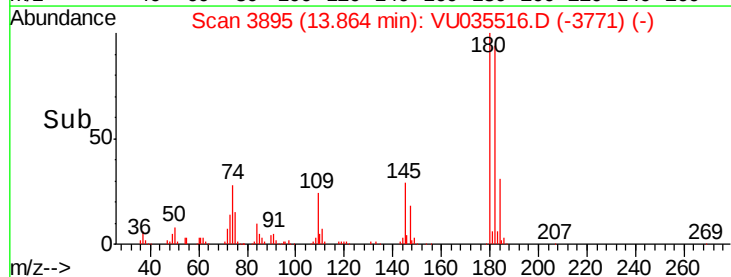


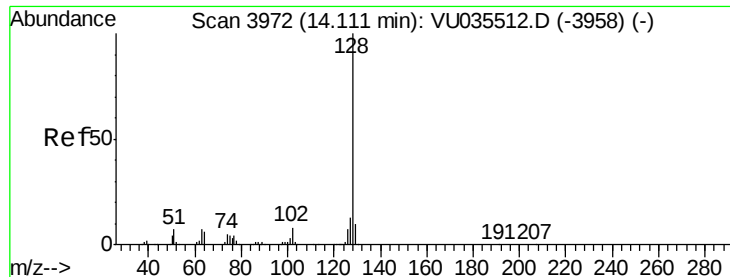
#68
 1,2,4-trichlorobenzene
 Concen: 53.762 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. 0.00 min
 Lab File: VU035516.D
 Acq: 26 Oct 2019 14:01

Tgt Ion:	180	Resp:	150826
Ion	Ratio	Lower	Upper
180	100		
182	96.8	75.0	112.4
145	30.0	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

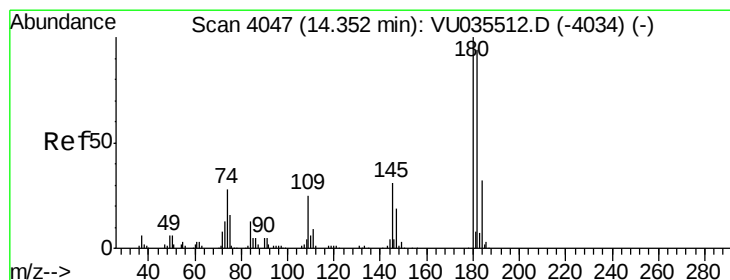
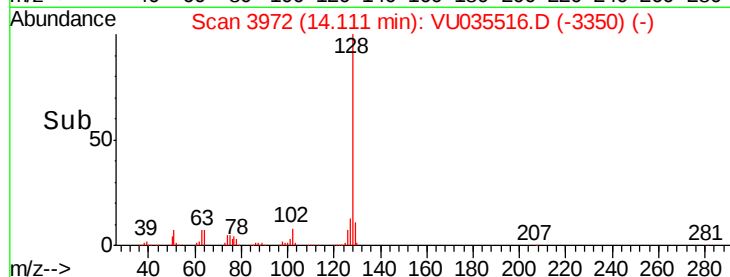
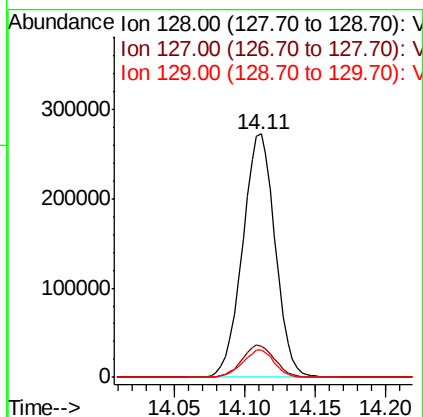
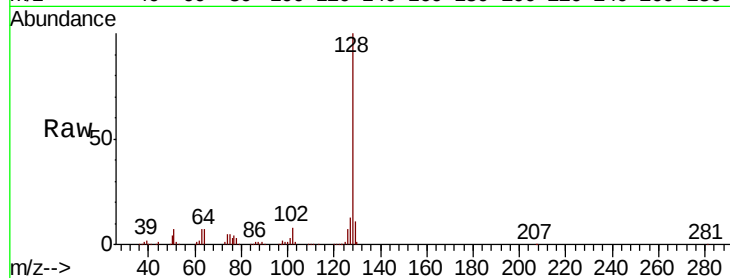




#69
Naphthalene
Concen: 56.483 ug/L
RT: 14.11 min Scan# 3972
Delta R.T. 0.00 min
Lab File: VU035516.D
Acq: 26 Oct 2019 14:01

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.3	15.5
129	11.0	8.4	12.6



#70
1,2,3-Trichlorobenzene
Concen: 55.711 ug/L
RT: 14.35 min Scan# 4047
Delta R.T. 0.00 min
Lab File: VU035516.D
Acq: 26 Oct 2019 14:01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.1	76.0	114.0
145	31.3	24.9	37.3

