

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU122719\
 Data File : VU036355.D
 Acq On : 27 Dec 2019 15:13
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 28 00:10:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Dec 28 00:08:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	552924	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	525456	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	251636	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	201243	46.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.42%
7) Chloroethane-d5	1.93	69	169920	46.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.50%
11) 1,1-Dichloroethene-d2	2.59	63	340944	46.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.90%
21) 2-Butanone-d5	4.68	46	301746	94.05	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.05%
24) Chloroform-d	5.11	84	356692	47.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.86%
26) 1,2-Dichloroethane-d4	5.75	65	230758	46.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.56%
32) Benzene-d6	5.77	84	698828	47.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.54%
36) 1,2-Dichloropropane-d6	6.73	67	229920	46.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.72%
41) Toluene-d8	7.93	98	668735	47.62	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.24%
43) trans-1,3-Dichloropropene-	8.21	79	124799	46.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.76%
47) 2-Hexanone-d5	8.67	63	232369	91.83	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.83%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	350823	47.15	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.30%
64) 1,2-Dichlorobenzene-d4	12.21	152	248675	47.11	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.22%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	203268	46.028	ug/L	99
3) Chloromethane	1.54	50	202256	50.335	ug/L	97
5) Vinyl chloride	1.62	62	219571	47.080	ug/L	100
6) Bromomethane	1.87	94	122952	54.552	ug/L	98
8) Chloroethane	1.95	64	130252	46.418	ug/L	99
9) Trichlorofluoromethane	2.16	101	300692	45.860	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	152100	46.860	ug/L	98
12) 1,1-Dichloroethene	2.60	96	154973	48.435	ug/L	87
13) Acetone	2.66	43	293369	88.158	ug/L	99
14) Carbon disulfide	2.82	76	472353	47.706	ug/L	99
15) Methyl Acetate	2.99	43	215398	48.135	ug/L	99
16) Methylene chloride	3.08	84	186966	47.736	ug/L	96
17) trans-1,2-Dichloroethene	3.39	96	167763	48.567	ug/L	96
18) Methyl tert-butyl Ether	3.41	73	607216	48.390	ug/L	99
19) 1,1-Dichloroethane	3.92	63	326631	47.174	ug/L	95
20) cis-1,2-Dichloroethene	4.71	96	198327	47.467	ug/L #	95
22) 2-Butanone	4.76	43	363623	92.496	ug/L	97

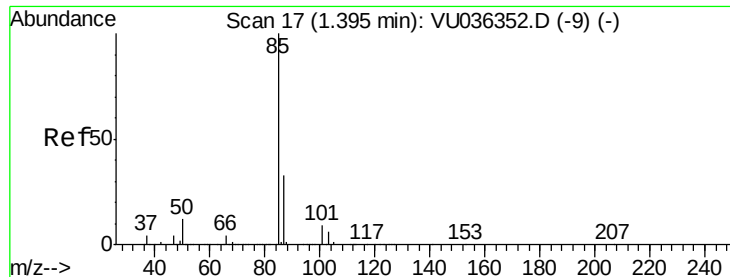
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 Quant Title : VOC Analysis
 QLast Update : Sat Dec 28 00:08:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	96079	47.903	ug/L	96
25) Chloroform	5.13	83	351136	47.596	ug/L	96
27) 1,2-Dichloroethane	5.84	62	275642	48.334	ug/L	98
29) Cyclohexane	5.43	56	272385	44.739	ug/L	98
30) 1,1,1-Trichloroethane	5.36	97	300082	46.595	ug/L	98
31) Carbon tetrachloride	5.57	117	260511	46.665	ug/L	98
33) Benzene	5.82	78	739640	47.918	ug/L	100
34) Trichloroethene	6.58	95	193170	48.543	ug/L	97
35) Methylcyclohexane	6.80	83	288172	45.369	ug/L	100
37) 1,2-Dichloropropane	6.83	63	195557	46.787	ug/L	100
38) Bromodichloromethane	7.14	83	282458	47.902	ug/L	98
39) cis-1,3-Dichloropropene	7.64	75	338009	48.306	ug/L	99
40) 4-Methyl-2-pentanone	7.83	43	658436	92.703	ug/L	100
42) Toluene	8.00	91	806976	47.477	ug/L	99
44) trans-1,3-Dichloropropene	8.24	75	311743	47.824	ug/L	100
45) 1,1,2-Trichloroethane	8.43	97	193277	49.565	ug/L	98
46) Tetrachloroethene	8.58	164	136141	47.549	ug/L	97
48) 2-Hexanone	8.72	43	530761	97.118	ug/L	99
49) Dibromochloromethane	8.84	129	227530	47.536	ug/L	99
50) 1,2-Dibromoethane	8.95	107	220856	48.836	ug/L	95
51) Chlorobenzene	9.47	112	507924	47.345	ug/L	99
52) Ethylbenzene	9.60	91	898833	46.463	ug/L	100
53) m,p-Xylene	9.72	106	336925	46.951	ug/L	98
54) o-xylene	10.13	106	335646	46.616	ug/L	99
55) Styrene	10.14	104	586380	48.165	ug/L	100
56) Isopropylbenzene	10.51	105	861162	45.887	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.81	83	336751	45.687	ug/L	98
59) 1,2,3-Trichloropropane	10.85	75	273539	46.644	ug/L	100
61) Bromoform	10.32	173	178714	47.792	ug/L	100
62) 1,3-Dichlorobenzene	11.77	146	387841	47.695	ug/L	97
63) 1,4-Dichlorobenzene	11.86	146	388932	48.217	ug/L	97
65) 1,2-Dichlorobenzene	12.23	146	387327	47.540	ug/L	96
66) 1,2-Dibromo-3-chloropropan	13.02	75	88904	46.763	ug/L	97
67) 1,3,5-Trichlorobenzene	13.24	180	262910	48.689	ug/L	98
68) 1,2,4-trichlorobenzene	13.86	180	212314	51.881	ug/L	98
69) Naphthalene	14.10	128	737232	52.427	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	223109	51.913	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 46.028 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU036355.D

Acq: 27 Dec 2019 15:13

Instrument :

MSVOA_U

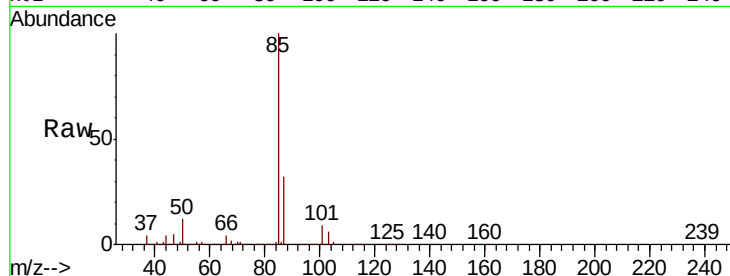
ClientSampleId :

Tot Ion: 85 Resp: 203268

Ion Ratio Lower Upper

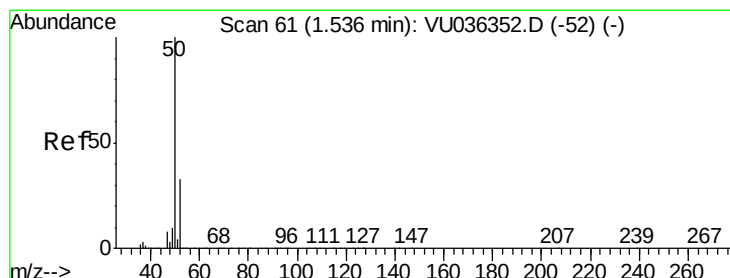
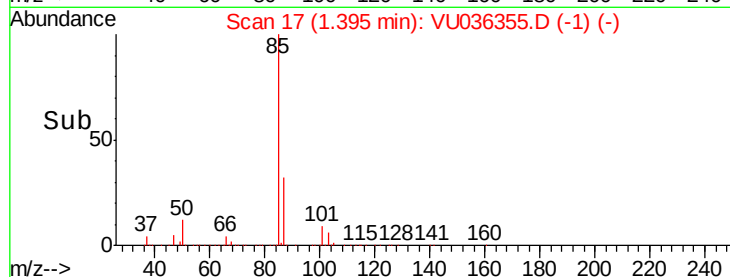
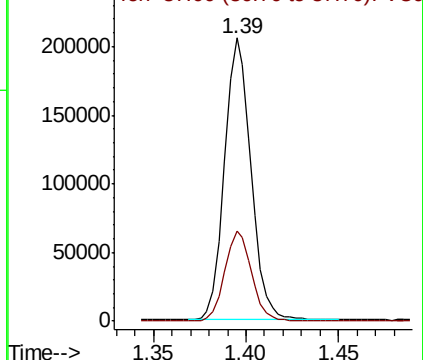
85 100

87 32.2 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 50.335 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU036355.D

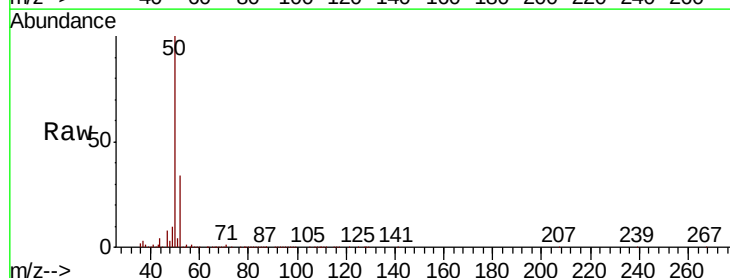
Acq: 27 Dec 2019 15:13

Tgt Ion: 50 Resp: 202256

Ion Ratio Lower Upper

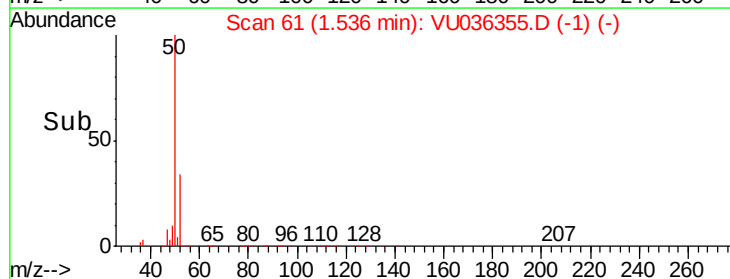
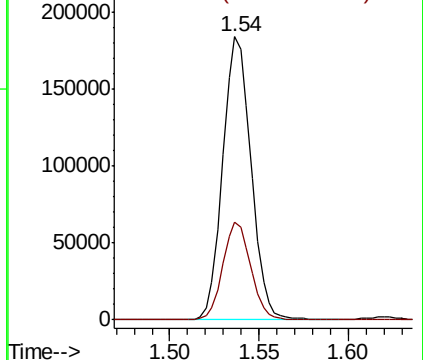
50 100

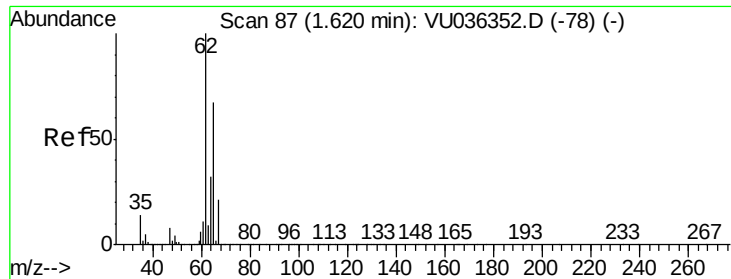
52 34.5 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 47.080 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU036355.D

Acq: 27 Dec 2019 15:13

Instrument :

MSVOA_U

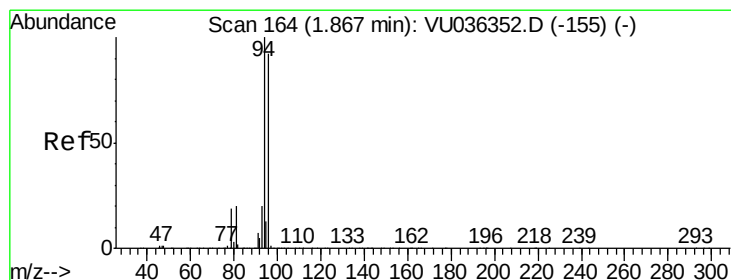
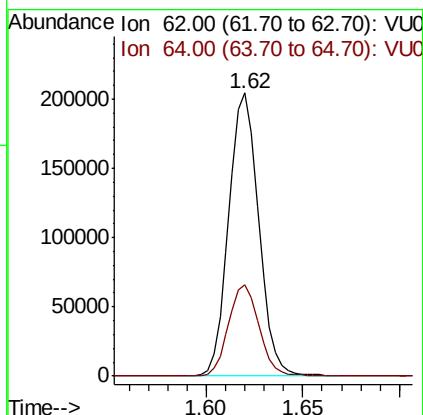
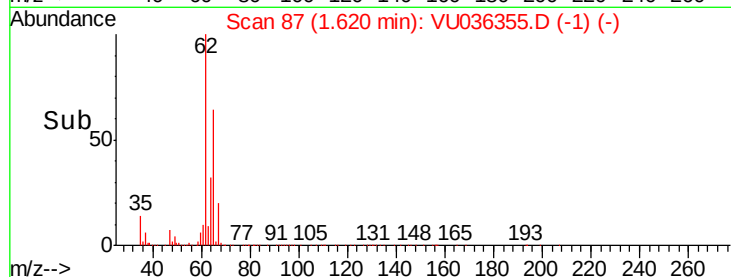
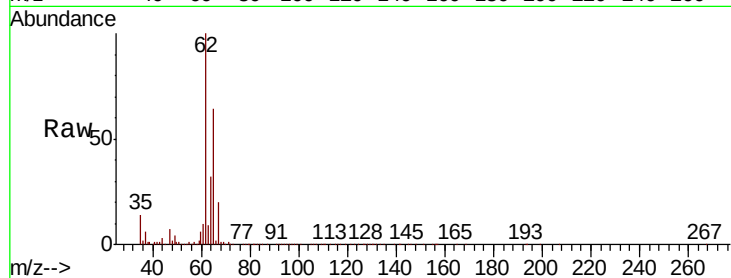
ClientSampleId :

Tot Ion: 62 Resp: 219571

Ion Ratio Lower Upper

62 100

64 32.4 22.7 42.3



#6

Bromomethane

Concen: 54.552 ug/L

RT: 1.87 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU036355.D

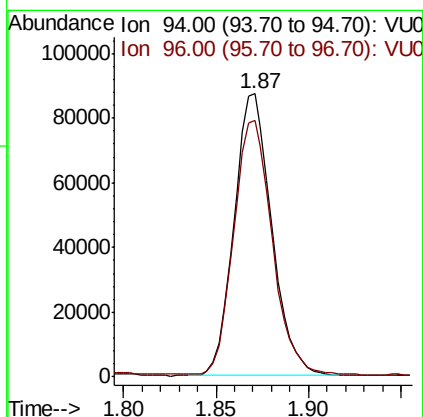
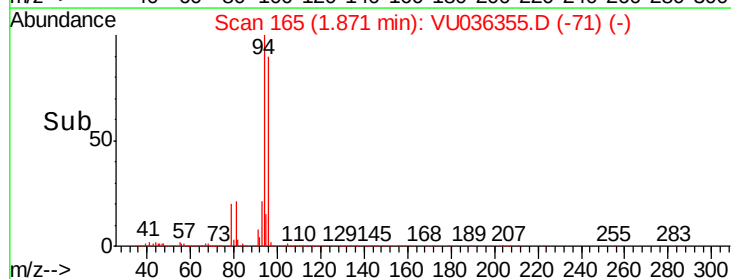
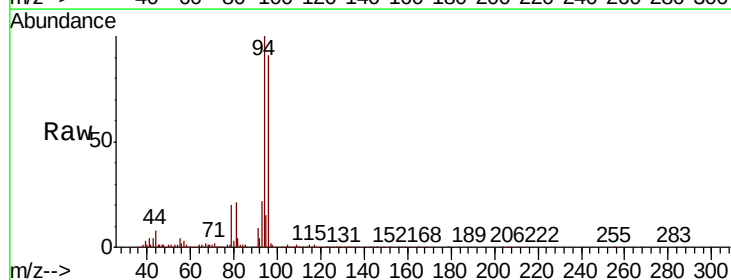
Acq: 27 Dec 2019 15:13

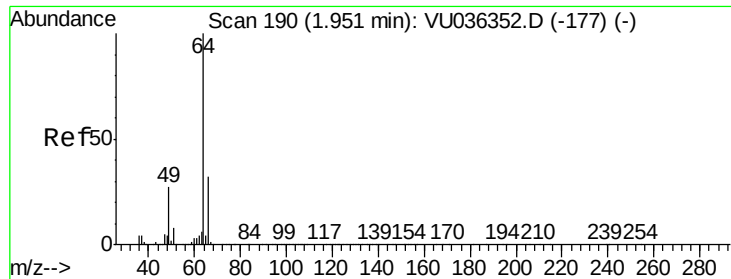
Tgt Ion: 94 Resp: 122952

Ion Ratio Lower Upper

94 100

96 90.6 64.5 119.7

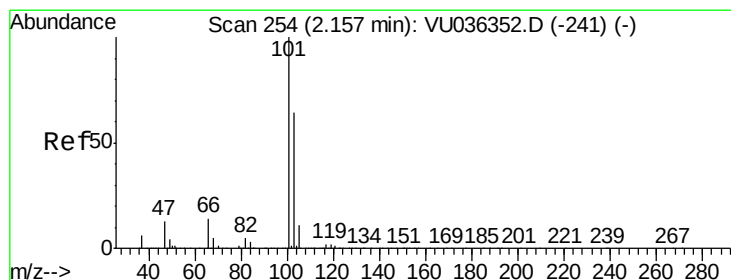
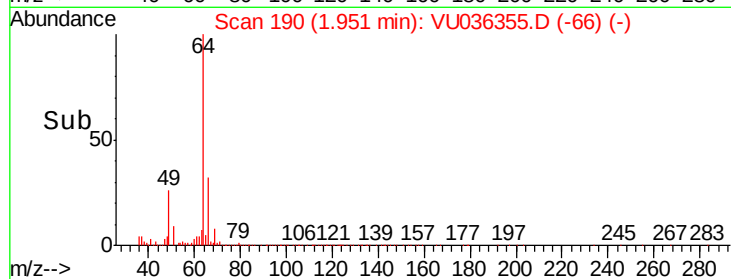
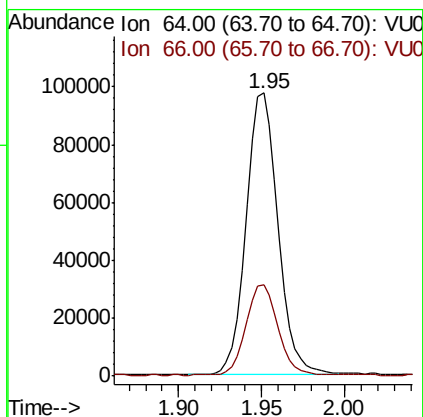
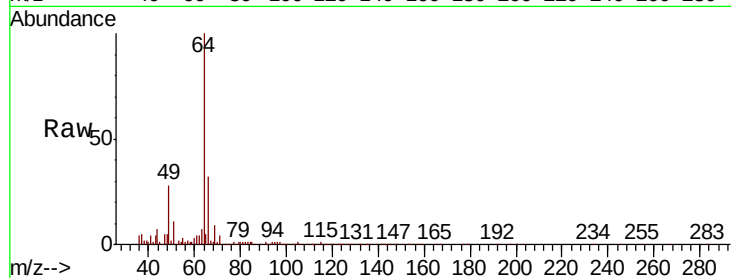




#8
Chloroethane
Concen: 46.418 ug/L
RT: 1.95 min Scan# 190
Delta R.T. 0.00 min
Lab File: VU036355.D
Acq: 27 Dec 2019 15:13

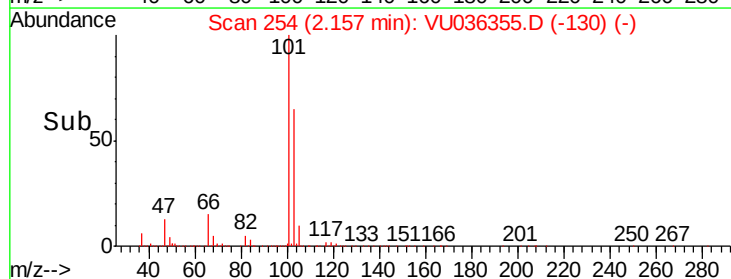
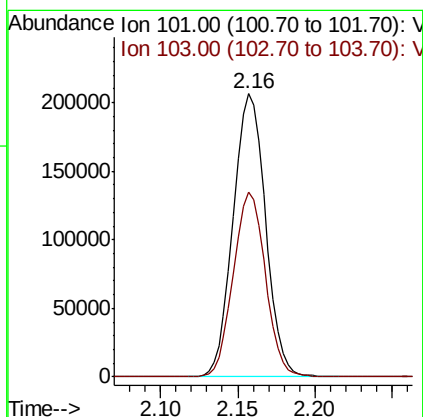
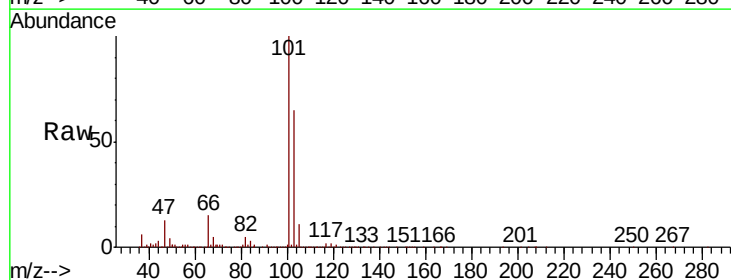
Instrument :
MSVOA_U
ClientSampled :

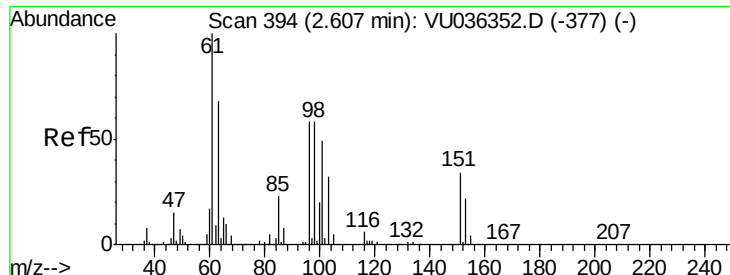
Tot Ion: 64 Resp: 130252
Ion Ratio Lower Upper
64 100
66 32.3 22.3 41.3



#9
Trichlorofluoromethane
Concen: 45.860 ug/L
RT: 2.16 min Scan# 254
Delta R.T. 0.00 min
Lab File: VU036355.D
Acq: 27 Dec 2019 15:13

Tgt Ion: 101 Resp: 300692
Ion Ratio Lower Upper
101 100
103 64.5 51.6 77.4





#10

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

Concen: 46.860 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU036355.D

Acq: 27 Dec 2019 15:13

Instrument :

MSVOA_U

ClientSampleId :

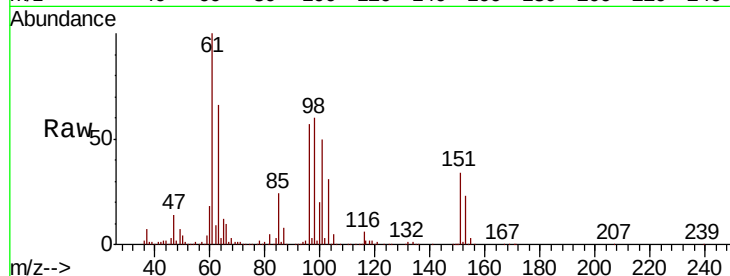
Tot Ion:101 Resp: 152100

Ion Ratio Lower Upper

101 100

85 47.5 37.1 55.7

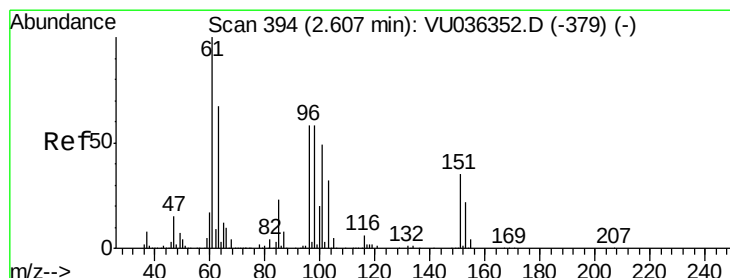
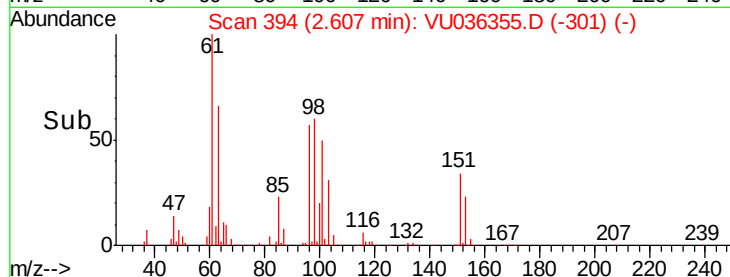
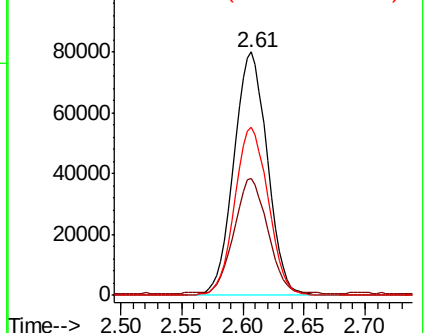
151 69.3 54.3 81.5



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: 48.435 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU036355.D

Acq: 27 Dec 2019 15:13

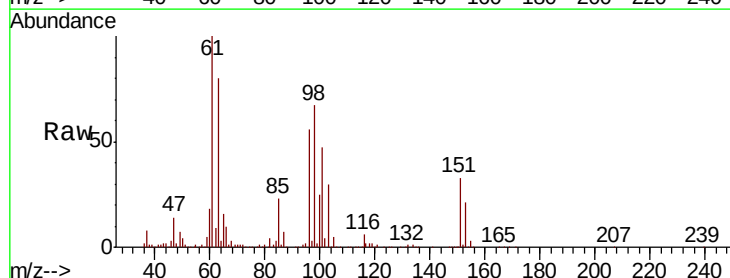
Tgt Ion: 96 Resp: 154973

Ion Ratio Lower Upper

96 100

61 179.6 120.9 224.5

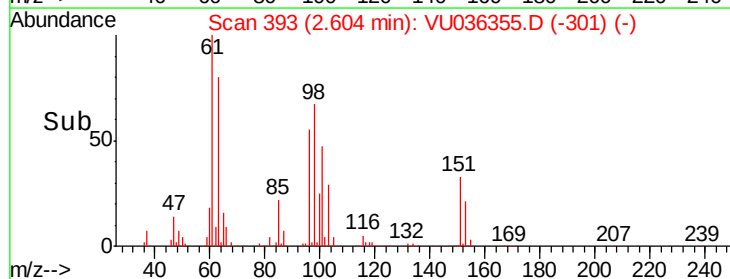
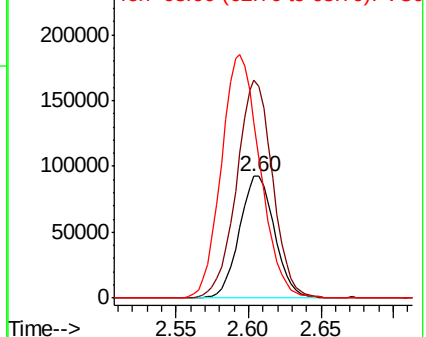
63 144.2 81.8 152.0

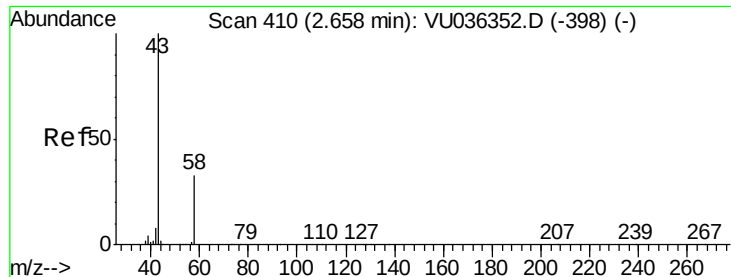


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 88.158 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU036355.D

Acq: 27 Dec 2019 15:13

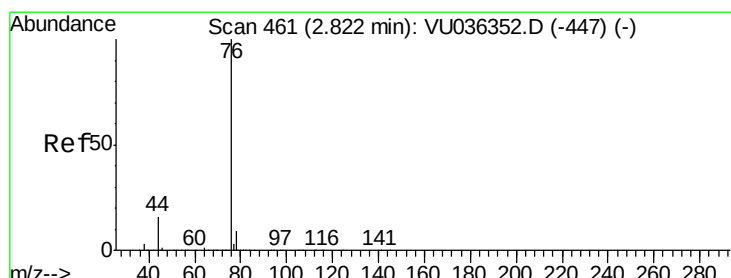
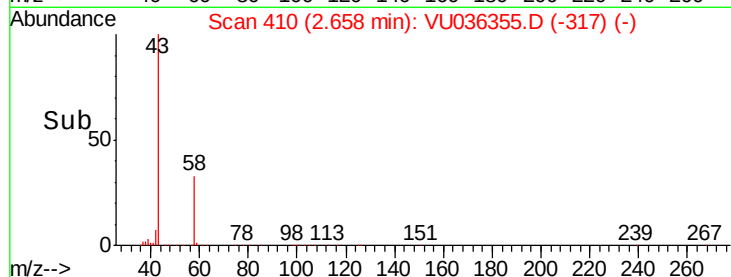
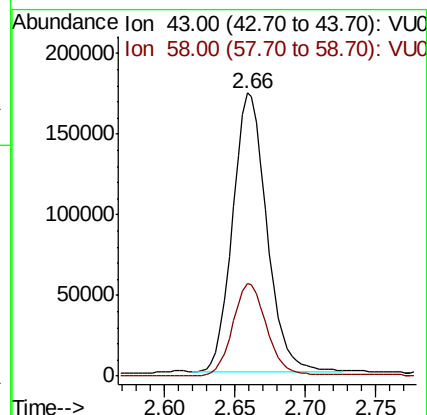
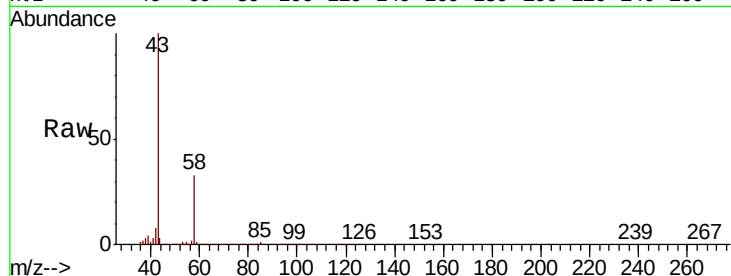
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 293369

Ion Ratio Lower Upper

43 100

58 32.8 0.0 66.2



#14

Carbon disulfide

Concen: 47.706 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU036355.D

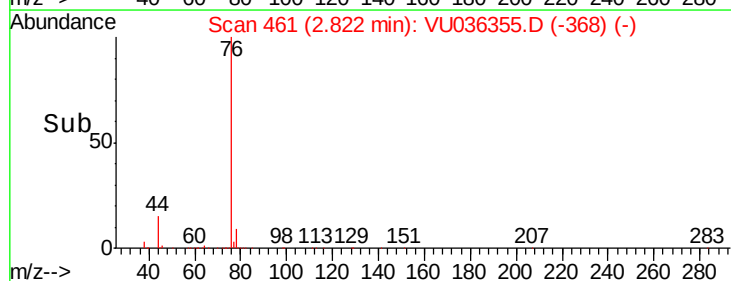
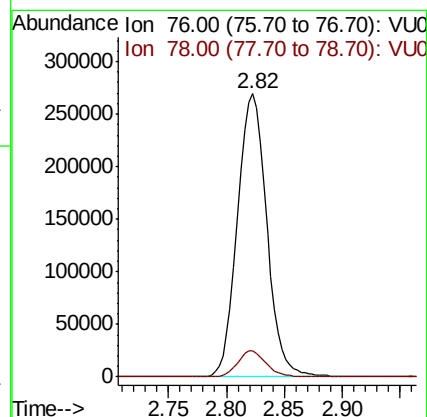
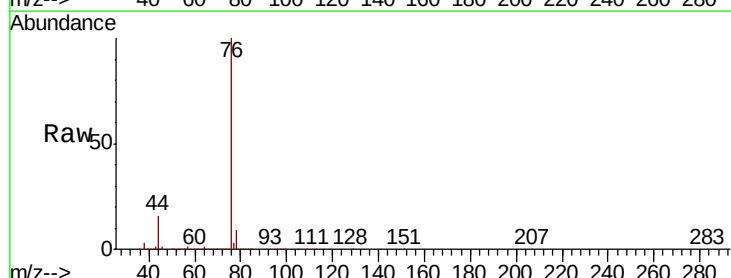
Acq: 27 Dec 2019 15:13

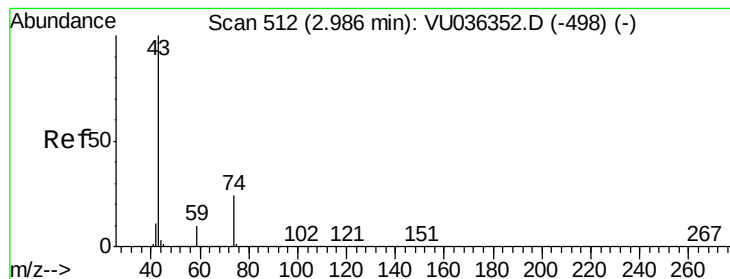
Tgt Ion: 76 Resp: 472353

Ion Ratio Lower Upper

76 100

78 9.2 7.6 11.4





#15

Methvl Acetate

Concen: 48.135 ug/L

RT: 2.99 min Scan# 512

Delta R.T. 0.00 min

Lab File: VU036355.D

Acq: 27 Dec 2019 15:13

Instrument :

MSVOA_U

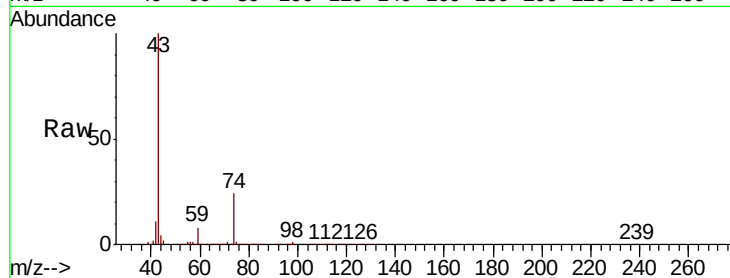
ClientSampleId :

Tot Ion: 43 Resp: 215398

Ion Ratio Lower Upper

43 100

74 24.8 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VU036355.D (-419) (-)

Ion 74.00 (73.70 to 74.70): VU036355.D (-419) (-)

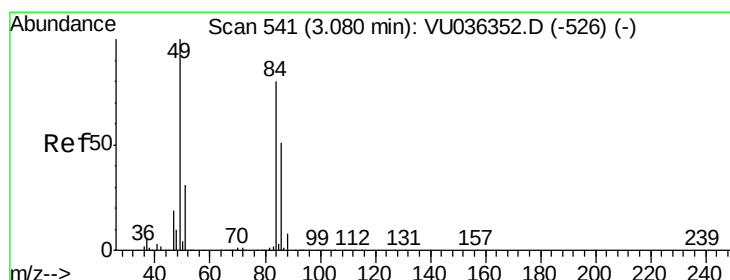
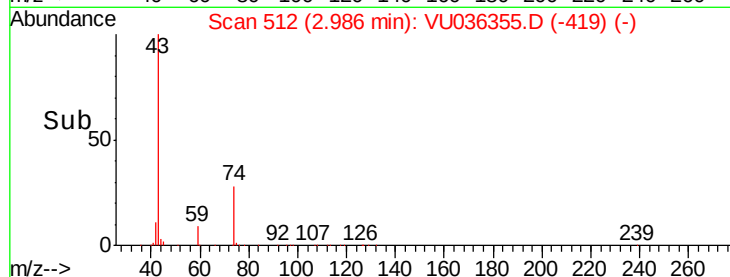
2.99

100000

50000

0

Time-->



#16

Methylene chloride

Concen: 47.736 ug/L

RT: 3.08 min Scan# 541

Delta R.T. 0.00 min

Lab File: VU036355.D

Acq: 27 Dec 2019 15:13

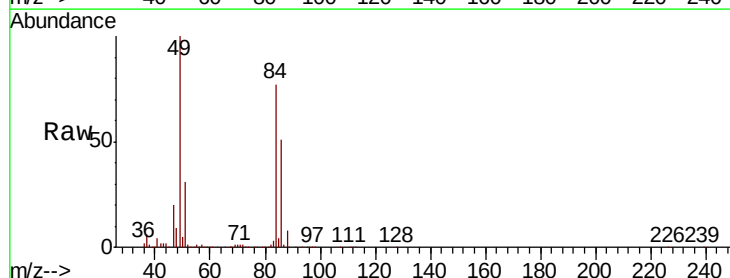
Tgt Ion: 84 Resp: 186966

Ion Ratio Lower Upper

84 100

86 65.8 44.6 82.8

49 129.8 87.6 162.6



Abundance Ion 84.00 (83.70 to 84.70): VU036355.D (-448) (-)

Ion 86.00 (85.70 to 86.70): VU036355.D (-448) (-)

Ion 49.00 (48.70 to 49.70): VU036355.D (-448) (-)

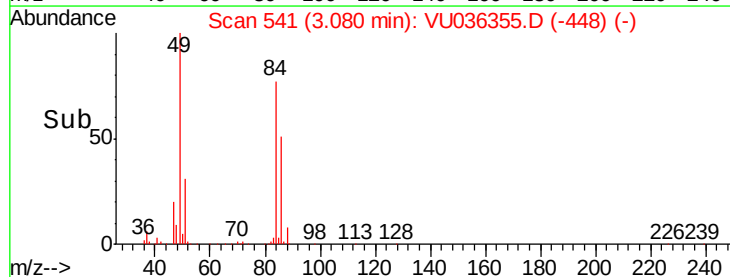
150000

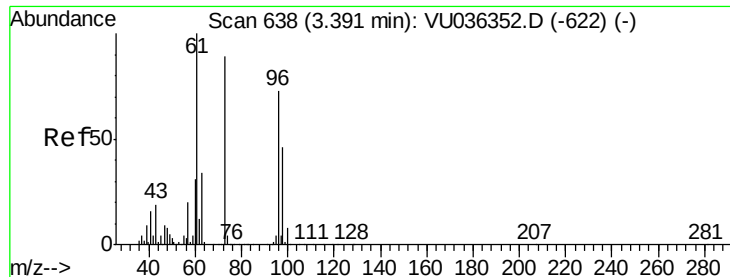
100000

50000

0

Time-->





#17

trans-1,2-Dichloroethene

Concen: 48.567 ug/L

RT: 3.39 min Scan# 638

Delta R.T. 0.00 min

Lab File: VU036355.D

Acq: 27 Dec 2019 15:13

Instrument :

MSVOA_U

ClientSampleId :

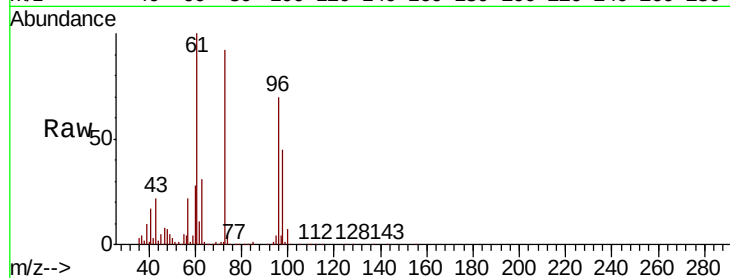
Tot Ion: 96 Resp: 167763

Ion Ratio Lower Upper

96 100

61 143.8 96.2 178.8

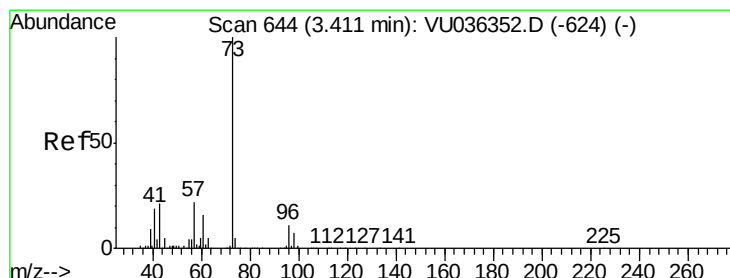
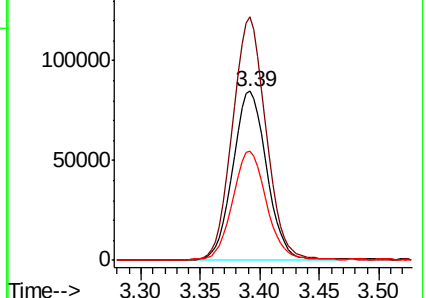
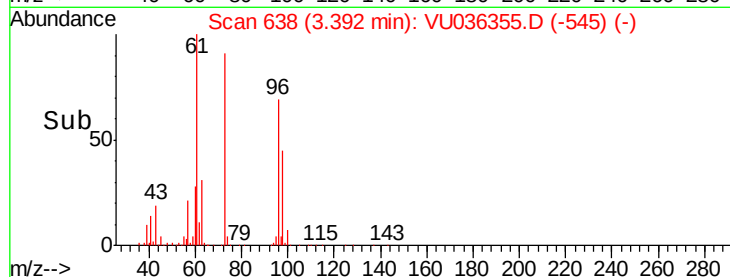
98 64.7 44.2 82.2



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: 48.390 ug/L

RT: 3.41 min Scan# 644

Delta R.T. 0.00 min

Lab File: VU036355.D

Acq: 27 Dec 2019 15:13

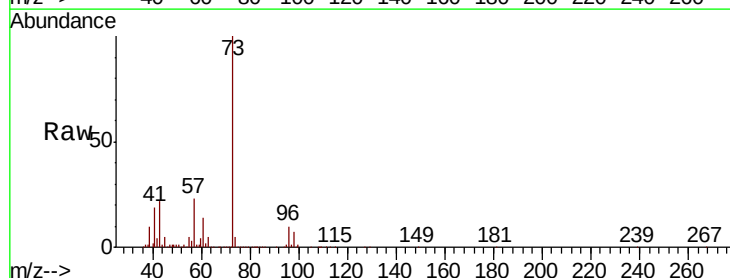
Tgt Ion: 73 Resp: 607216

Ion Ratio Lower Upper

73 100

43 20.9 16.3 24.5

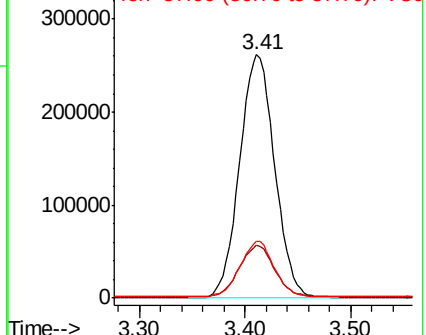
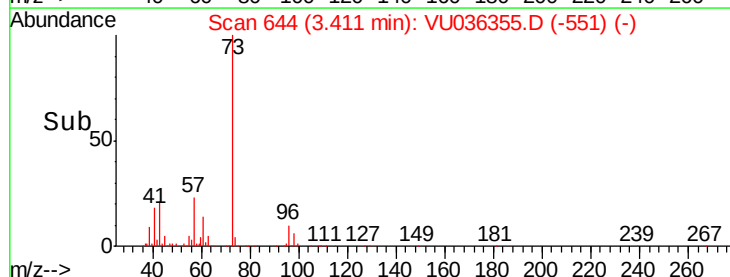
57 22.1 17.7 26.5

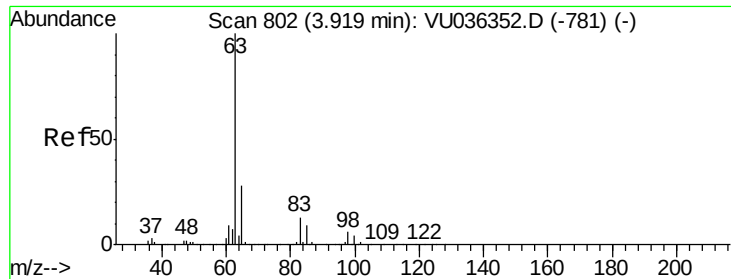


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

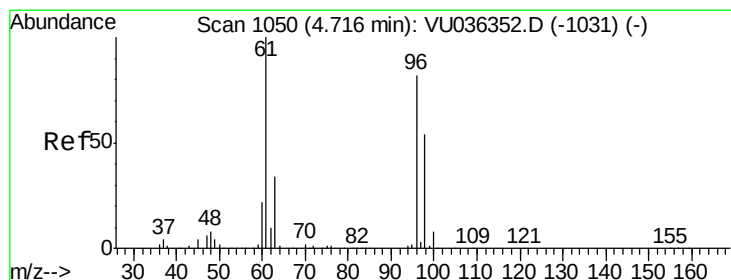
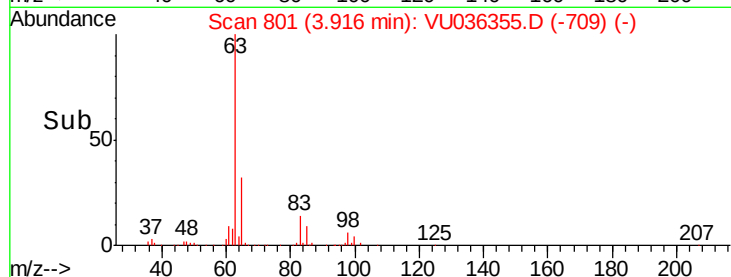
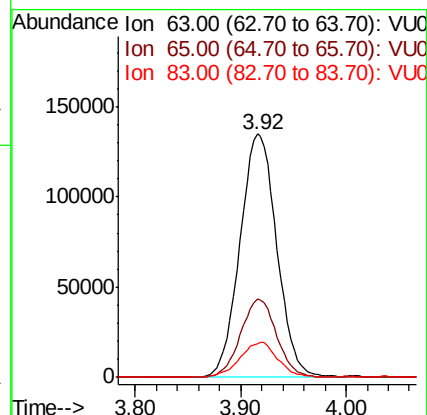
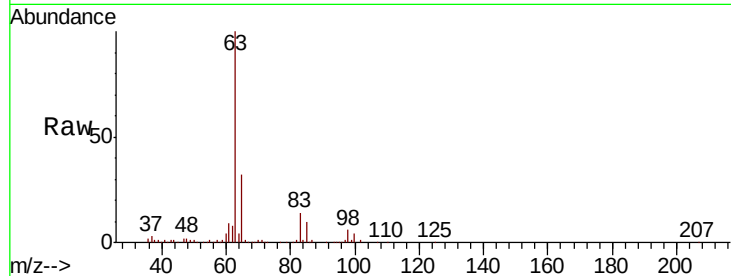




#19
 1,1-Dichloroethane
 Concen: 47.174 ug/L
 RT: 3.92 min Scan# 801
 Delta R.T. -0.00 min
 Lab File: VU036355.D
 Acq: 27 Dec 2019 15:13

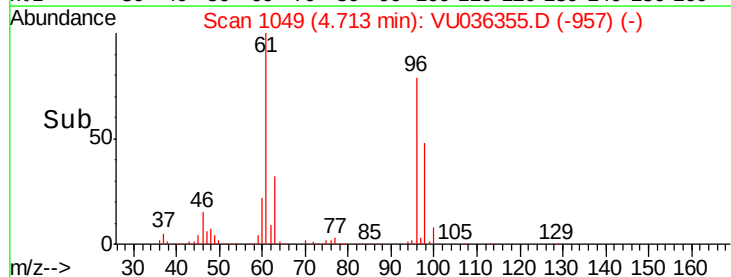
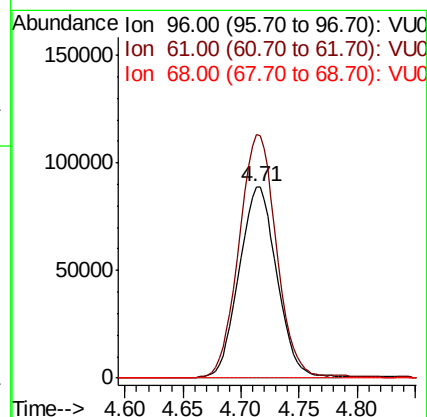
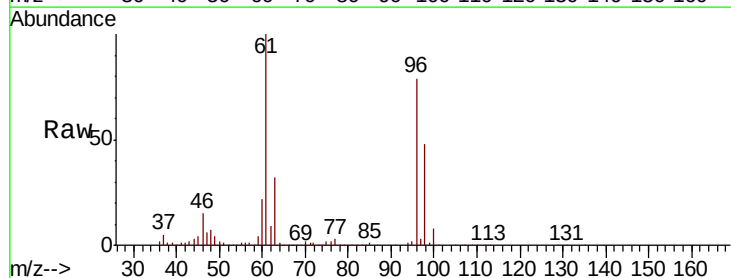
Instrument :
 MSVOA_U
 ClientSampleId :

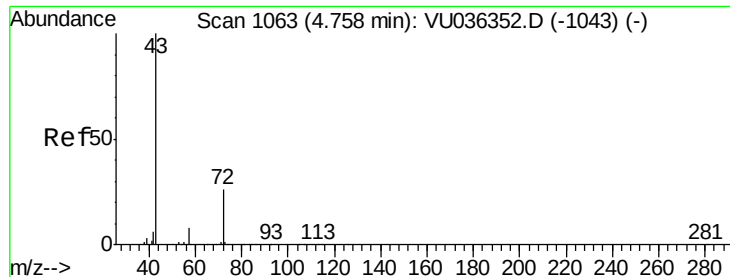
Tot Ion	63	Resp	326631
Ion	Ratio	Lower	Upper
63	100		
65	32.1	20.0	37.2
83	13.9	9.6	17.8



#20
 cis-1,2-Dichloroethene
 Concen: 47.467 ug/L
 RT: 4.71 min Scan# 1049
 Delta R.T. -0.00 min
 Lab File: VU036355.D
 Acq: 27 Dec 2019 15:13

Tgt Ion	96	Resp	198327
Ion	Ratio	Lower	Upper
96	100		
61	127.0	85.1	158.1
68	0.3	0.1	0.3#





#22

2-Butanone

Concen: 92.496 ug/L

RT: 4.76 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VU036355.D

Acq: 27 Dec 2019 15:13

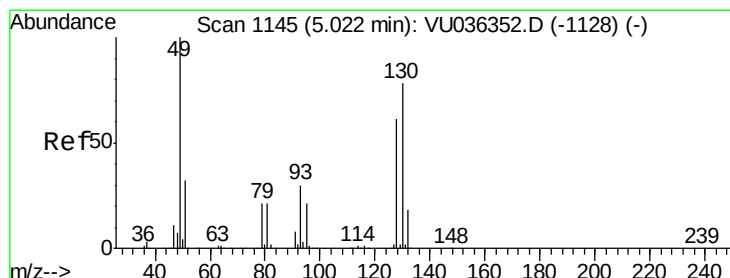
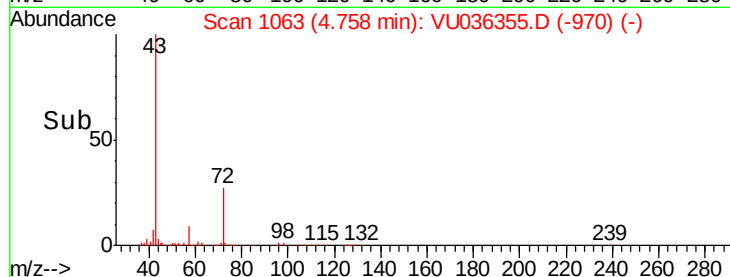
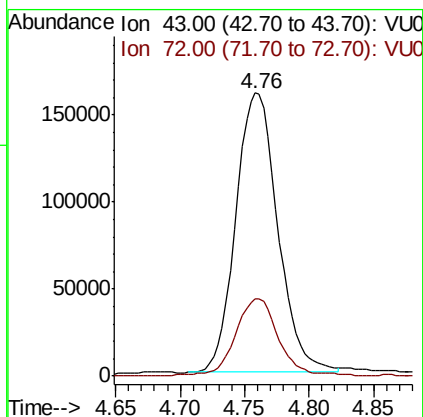
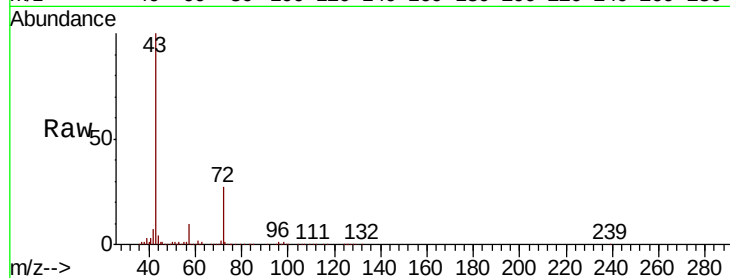
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 363623

Ion Ratio Lower Upper

43 100

72 28.5 13.4 40.1



#23

Bromochloromethane

Concen: 47.903 ug/L

RT: 5.02 min Scan# 1145

Delta R.T. 0.00 min

Lab File: VU036355.D

Acq: 27 Dec 2019 15:13

Tgt Ion: 128 Resp: 96079

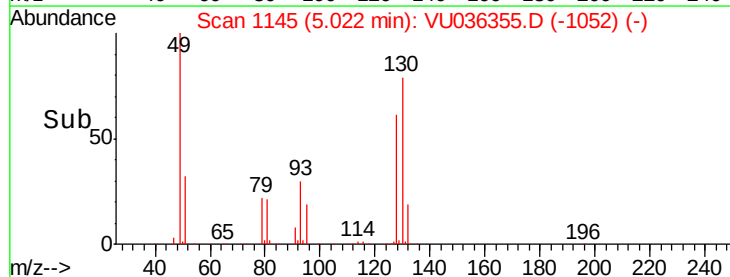
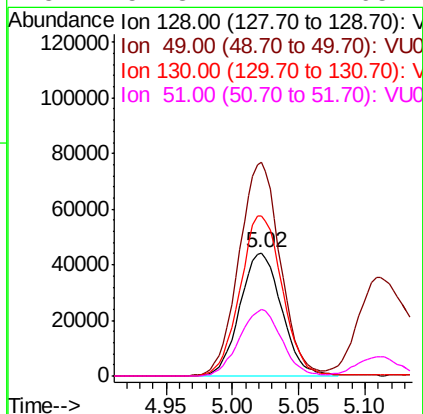
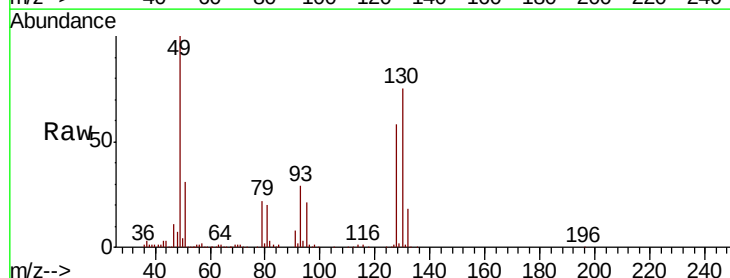
Ion Ratio Lower Upper

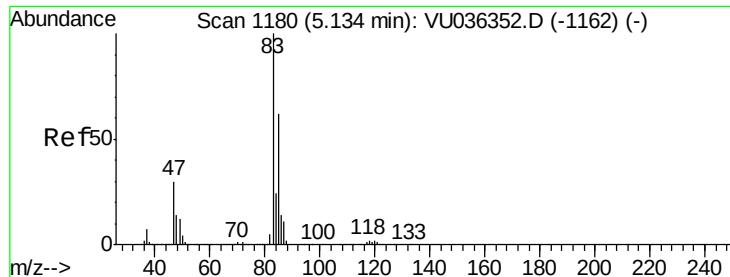
128 100

49 173.1 115.0 213.6

130 129.5 89.1 165.5

51 54.3 42.2 63.4





#25

Chloroform

Concen: 47.596 ug/L

RT: 5.13 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VU036355.D

Acq: 27 Dec 2019 15:13

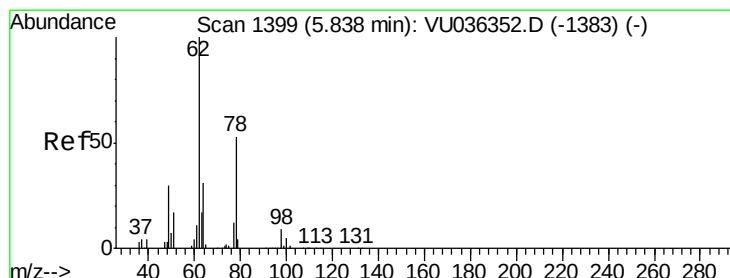
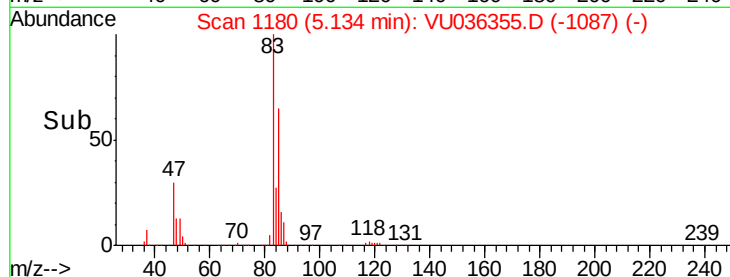
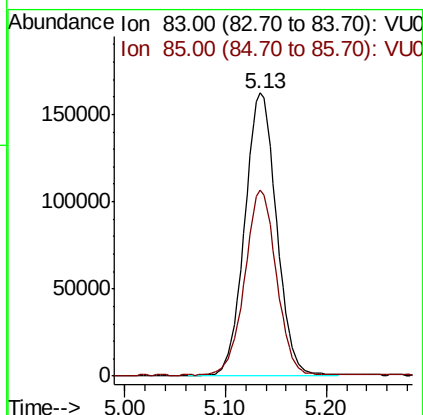
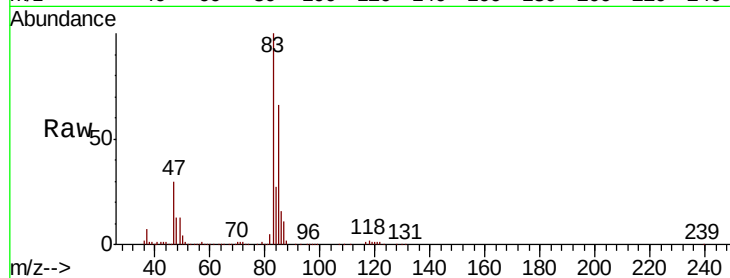
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 351136

Ion Ratio Lower Upper

83 100

85 65.5 43.9 81.5



#27

1,2-Dichloroethane

Concen: 48.334 ug/L

RT: 5.84 min Scan# 1399

Delta R.T. 0.00 min

Lab File: VU036355.D

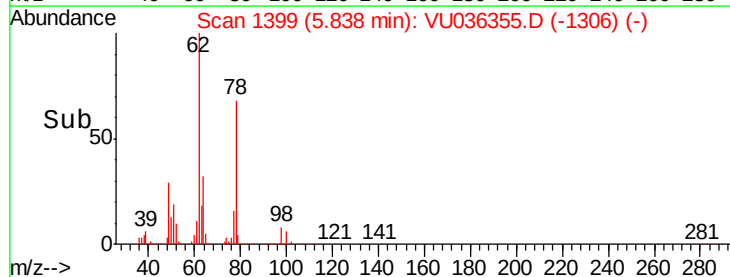
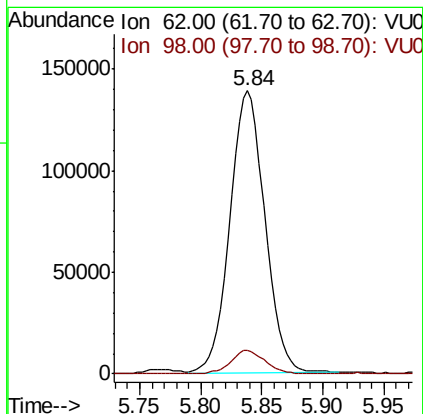
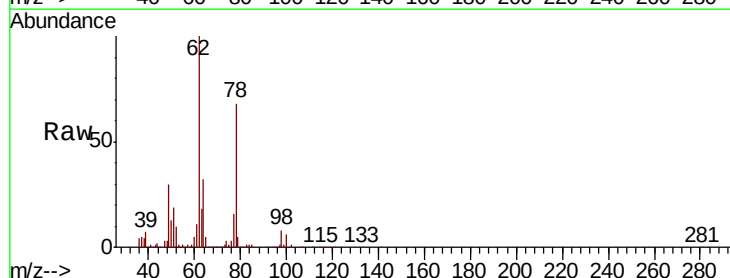
Acq: 27 Dec 2019 15:13

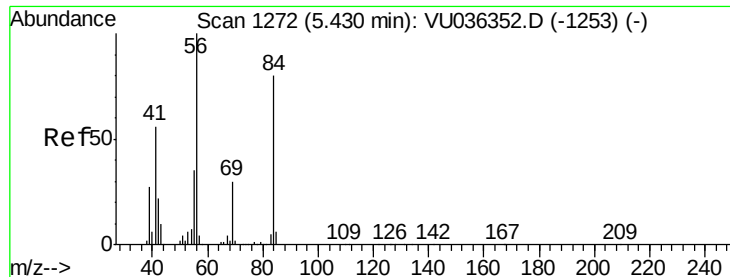
Tgt Ion: 62 Resp: 275642

Ion Ratio Lower Upper

62 100

98 8.4 7.3 10.9

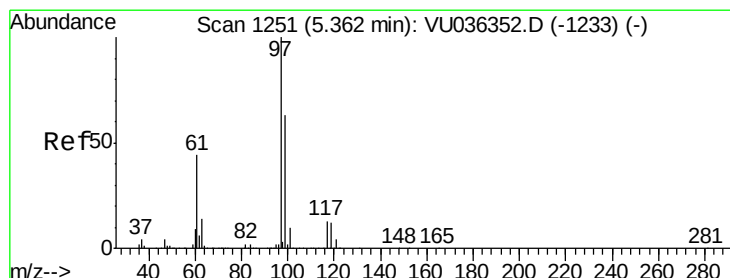
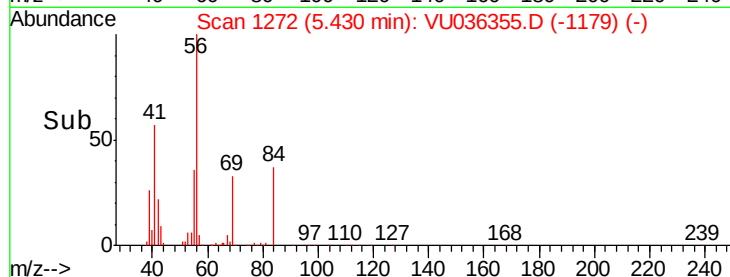
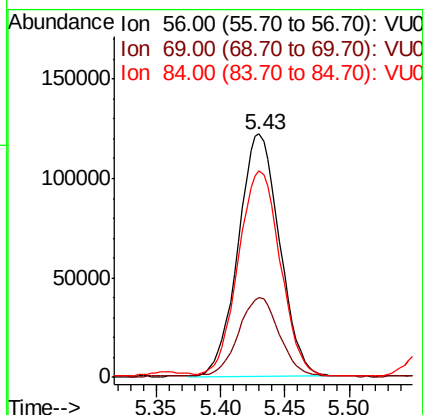
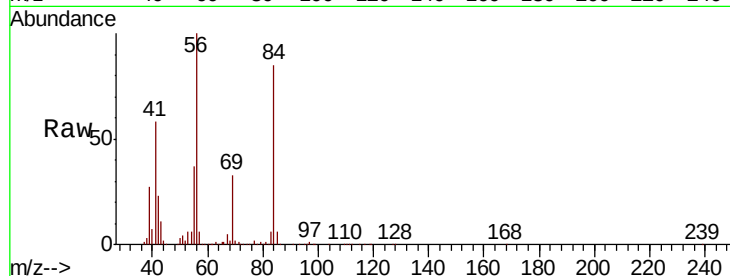




#29
Cyclohexane
Concen: 44.739 ug/L
RT: 5.43 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU036355.D
Acq: 27 Dec 2019 15:13

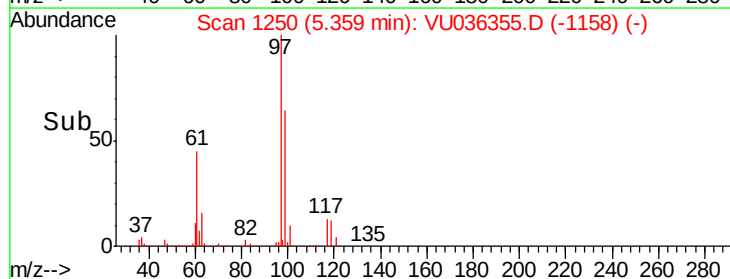
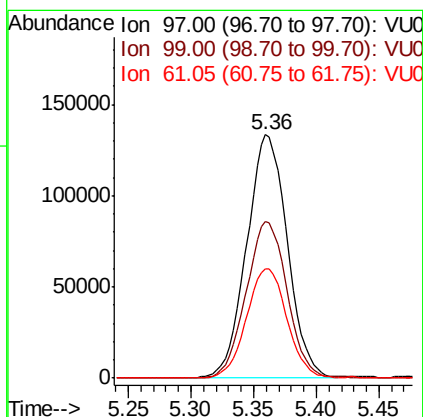
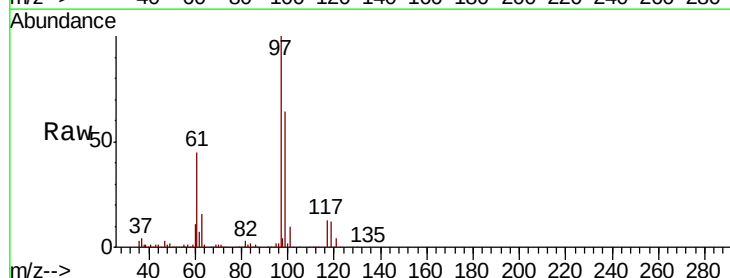
Instrument :
MSVOA_U
ClientSampleId :

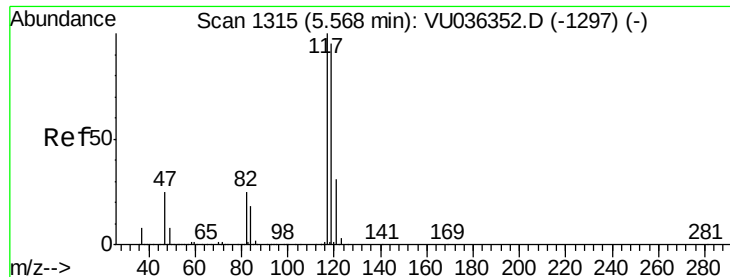
Tot Ion	Ratio	Lower	Upper
56	100		
69	32.0	24.8	37.2
84	86.5	67.4	101.2



#30
1,1,1-Trichloroethane
Concen: 46.595 ug/L
RT: 5.36 min Scan# 1250
Delta R.T. -0.00 min
Lab File: VU036355.D
Acq: 27 Dec 2019 15:13

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.0	76.4
61	44.8	34.7	52.1

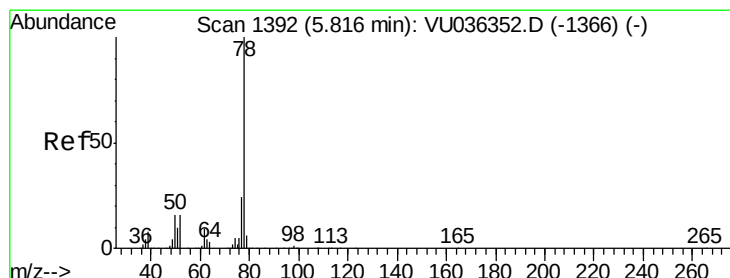
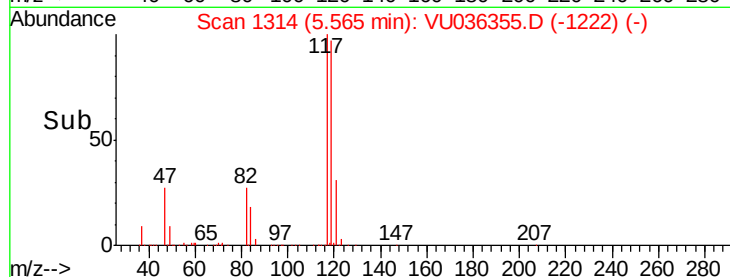
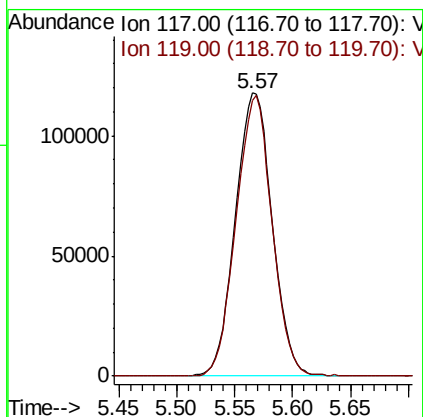
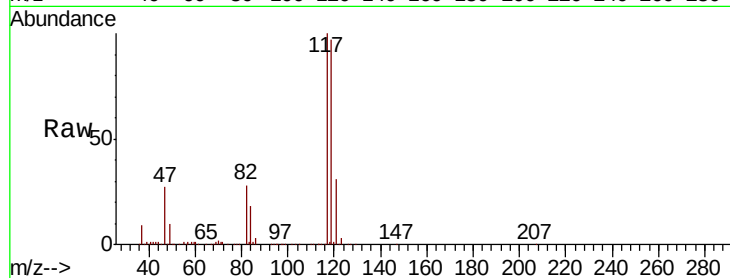




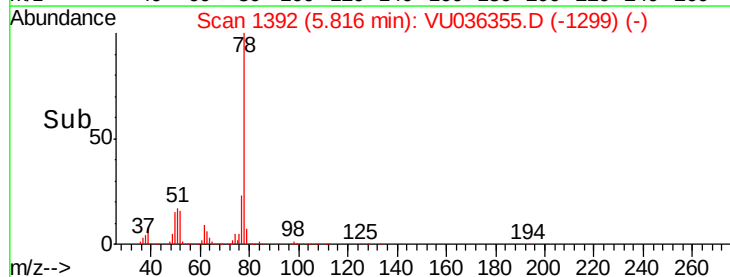
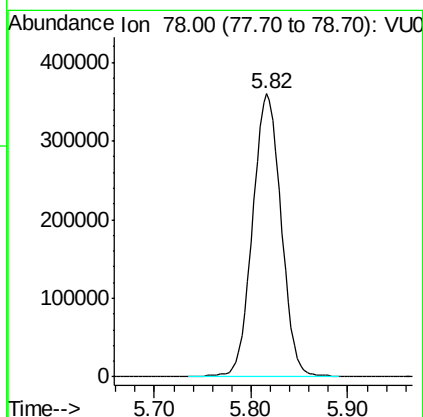
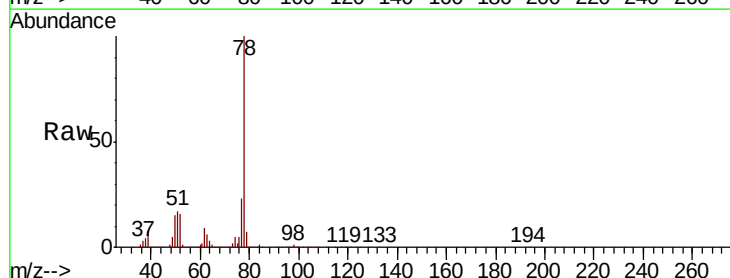
#31
Carbon tetrachloride
Concen: 46.665 ug/L
RT: 5.57 min Scan# 1314
Delta R.T. -0.00 min
Lab File: VU036355.D
Acq: 27 Dec 2019 15:13

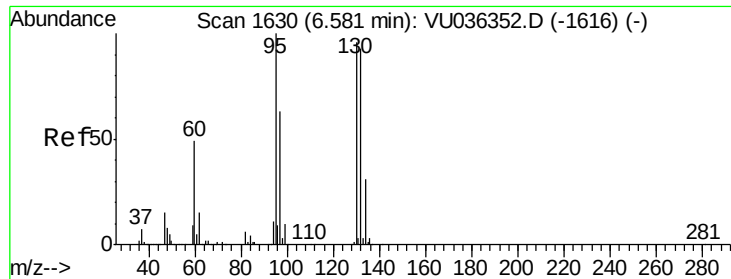
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 260511
Ion Ratio Lower Upper
117 100
119 96.7 76.0 114.0



#33
Benzene
Concen: 47.918 ug/L
RT: 5.82 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VU036355.D
Acq: 27 Dec 2019 15:13
Tgt Ion: 78 Resp: 739640

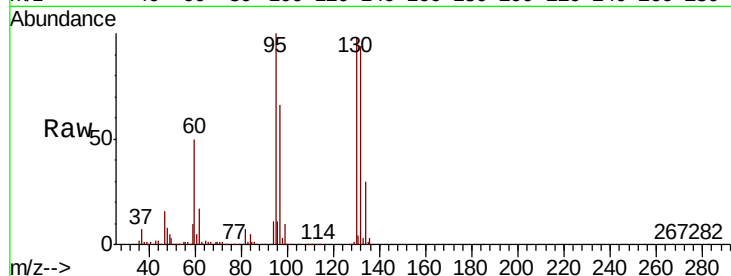




#34
 Trichloroethene
 Concen: 48.543 ug/L
 RT: 6.58 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VU036355.D
 Acq: 27 Dec 2019 15:13

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
95	100		
97	66.1	44.5	82.7
132	94.0	64.5	119.9
130	98.4	66.6	123.8



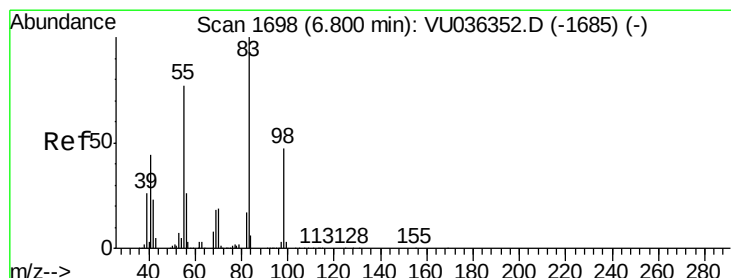
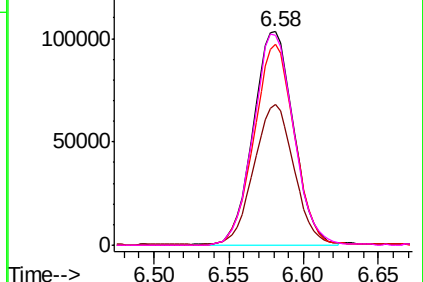
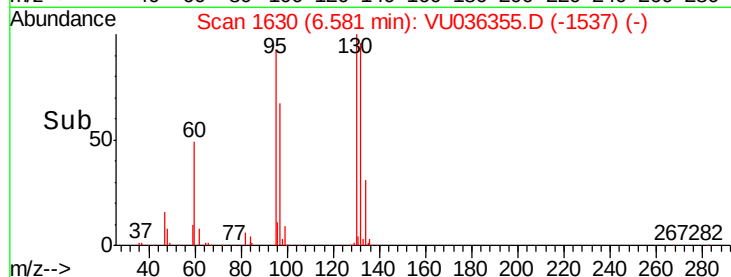
Abundance

Ion 95.00 (94.70 to 95.70): VU036355.D (-1537) (-)

Ion 97.00 (96.70 to 97.70): VU036355.D (-1537) (-)

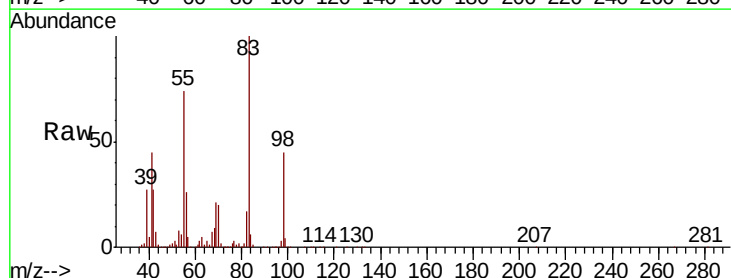
Ion 132.00 (131.70 to 132.70): VU036355.D (-1537) (-)

Ion 130.00 (129.70 to 130.70): VU036355.D (-1537) (-)



#35
 Methylcyclohexane
 Concen: 45.369 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VU036355.D
 Acq: 27 Dec 2019 15:13

Tgt Ion	Ratio	Lower	Upper
83	100		
55	75.0	60.0	90.0
98	45.4	36.2	54.4

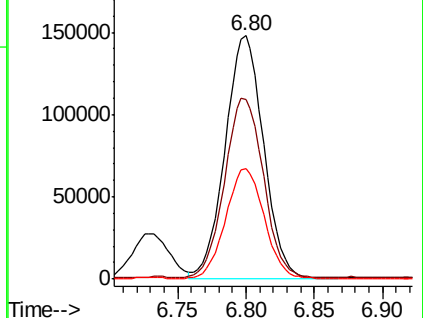
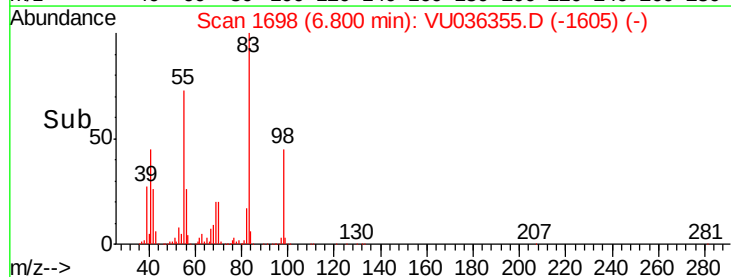


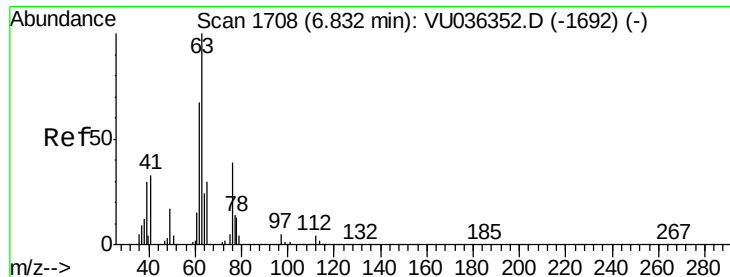
Abundance

Ion 83.00 (82.70 to 83.70): VU036355.D (-1605) (-)

Ion 55.00 (54.70 to 55.70): VU036355.D (-1605) (-)

Ion 98.00 (97.70 to 98.70): VU036355.D (-1605) (-)

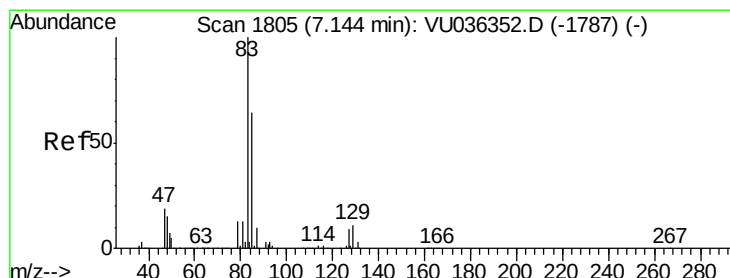
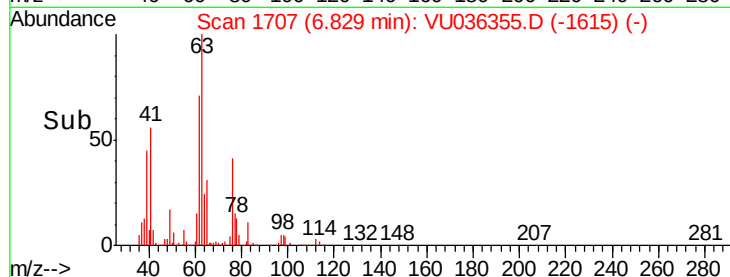
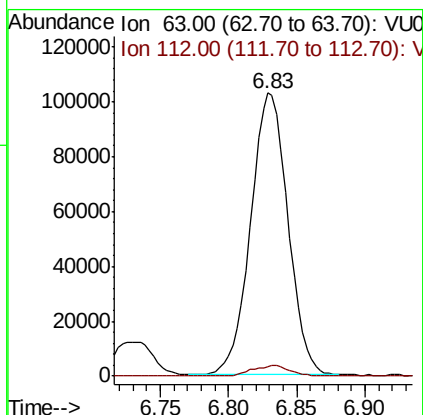
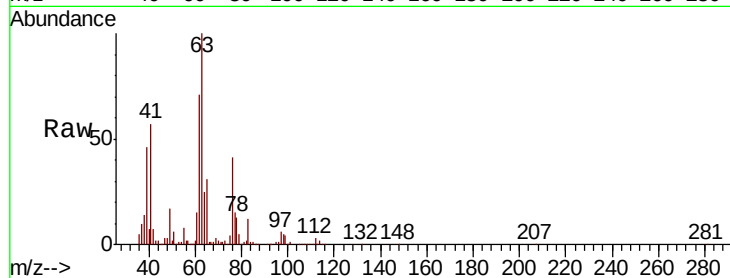




#37
 1,2-Dichloropropane
 Concen: 46.787 ug/L
 RT: 6.83 min Scan# 1707
 Delta R.T. -0.00 min
 Lab File: VU036355.D
 Acq: 27 Dec 2019 15:13

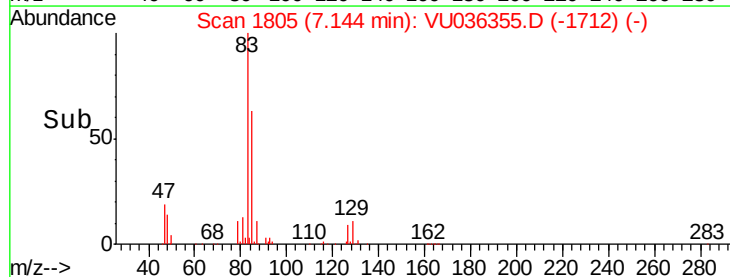
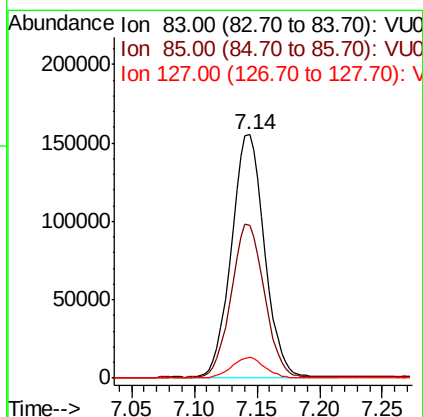
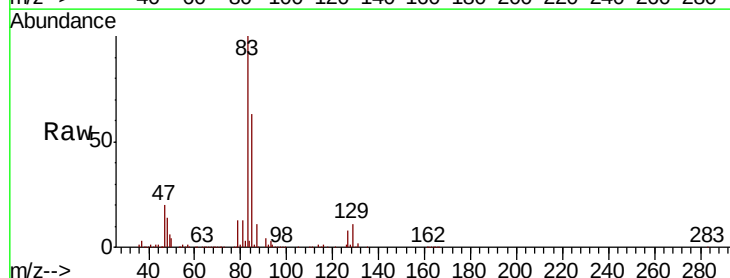
Instrument :
 MSVOA_U
 ClientSampled :

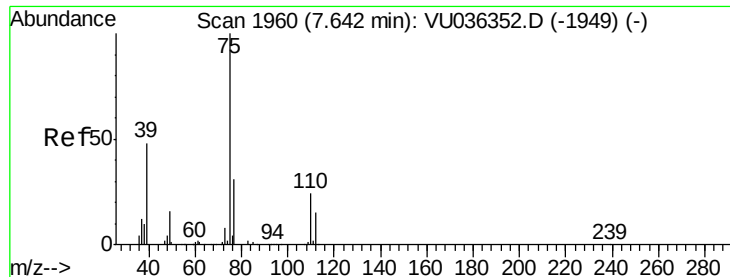
Tot Ion: 63 Resp: 195557
 Ion Ratio Lower Upper
 63 100
 112 3.8 3.0 4.4



#38
 Bromodichloromethane
 Concen: 47.902 ug/L
 RT: 7.14 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VU036355.D
 Acq: 27 Dec 2019 15:13

Tgt Ion: 83 Resp: 282458
 Ion Ratio Lower Upper
 83 100
 85 62.9 45.3 84.1
 127 8.5 6.8 10.2

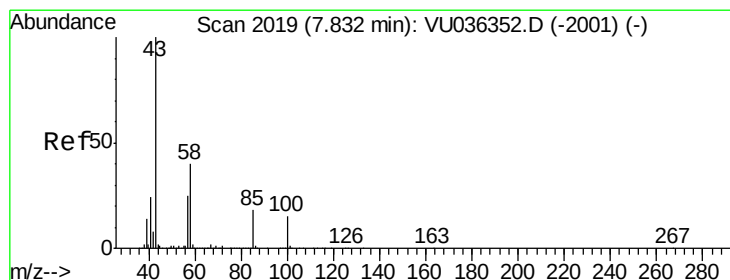
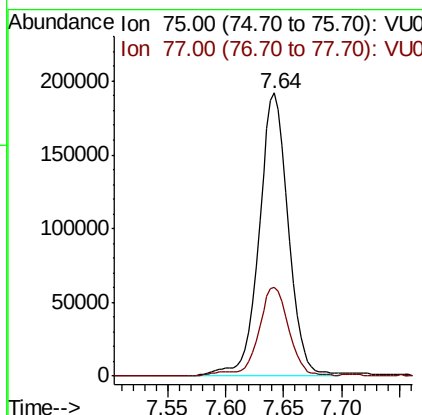
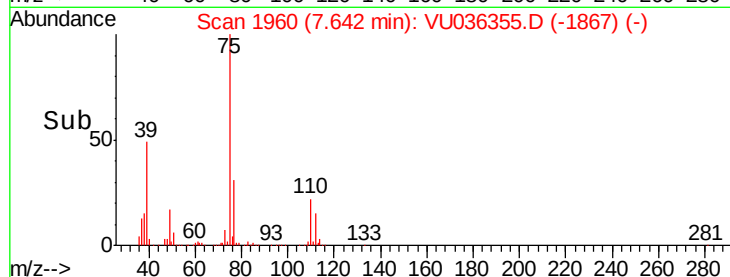
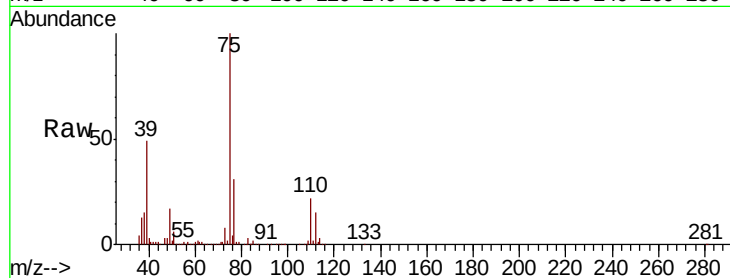




#39
 cis-1,3-Dichloropropene
 Concen: 48.306 ug/L
 RT: 7.64 min Scan# 1960
 Delta R.T. 0.00 min
 Lab File: VU036355.D
 Acq: 27 Dec 2019 15:13

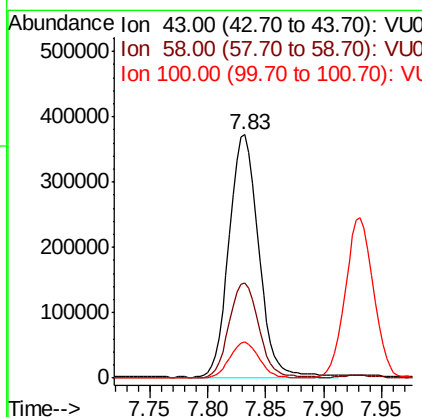
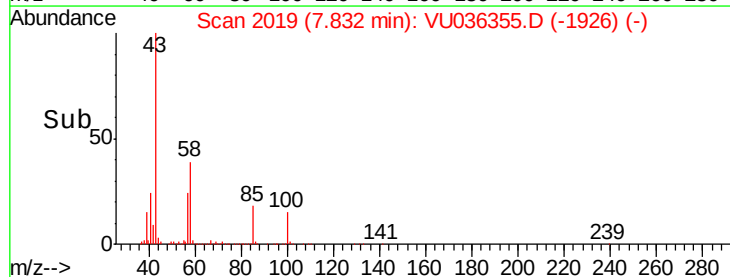
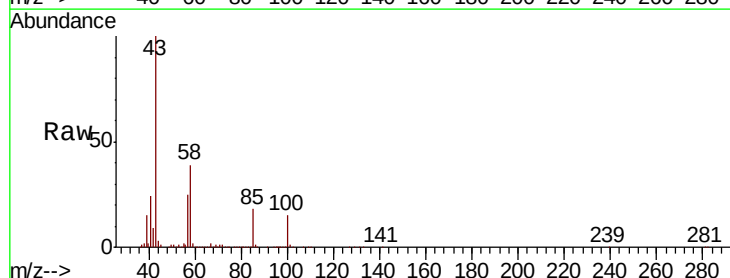
Instrument :
 MSVOA_U
 ClientSampleId :

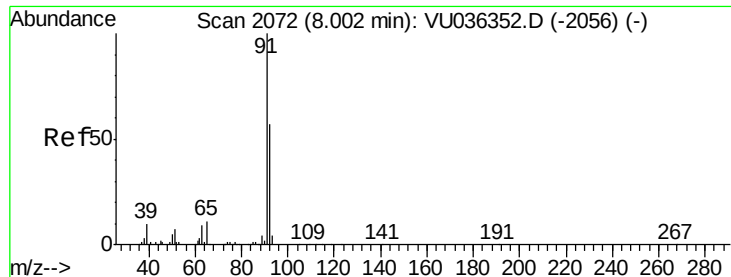
Tot Ion: 75 Resp: 338009
 Ion Ratio Lower Upper
 75 100
 77 31.3 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 92.703 ug/L
 RT: 7.83 min Scan# 1919
 Delta R.T. 0.00 min
 Lab File: VU036355.D
 Acq: 27 Dec 2019 15:13

Tgt Ion: 43 Resp: 658436
 Ion Ratio Lower Upper
 43 100
 58 39.5 31.6 47.4
 100 14.8 11.6 17.4





#42

Toluene

Concen: 47.477 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. 0.00 min

Lab File: VU036355.D

Acq: 27 Dec 2019 15:13

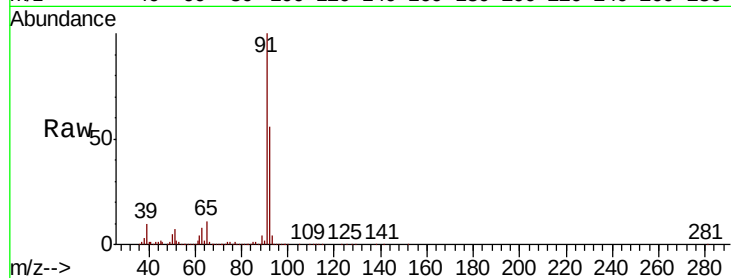
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 806976

Ion Ratio Lower Upper

91 100

92 56.1 39.8 74.0



Abundance Ion 91.00 (90.70 to 91.70): VU036355.D (-1979) (-)

Ion 92.00 (91.70 to 92.70): VU036355.D (-1979) (-)

8.00

500000

400000

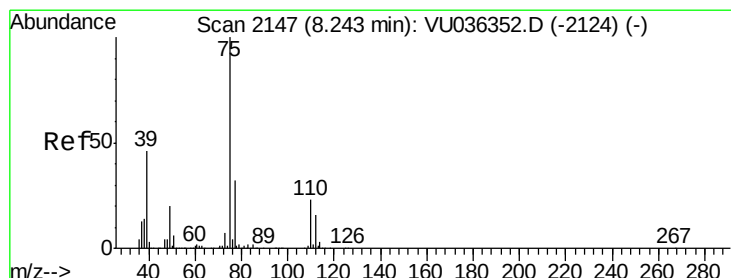
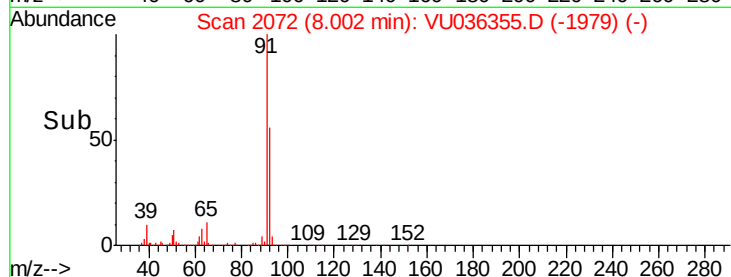
300000

200000

100000

0

Time--> 7.90 7.95 8.00 8.05 8.10



#44

trans-1,3-Dichloropropene

Concen: 47.824 ug/L

RT: 8.24 min Scan# 2147

Delta R.T. 0.00 min

Lab File: VU036355.D

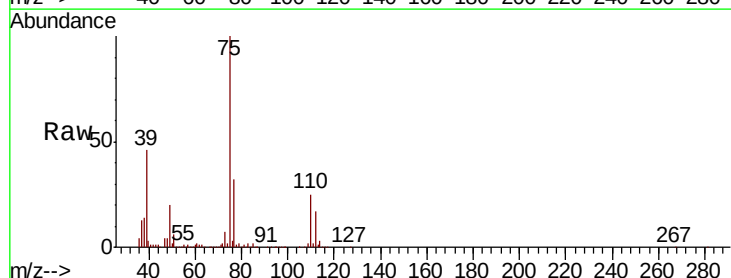
Acq: 27 Dec 2019 15:13

Tgt Ion: 75 Resp: 311743

Ion Ratio Lower Upper

75 100

77 32.2 22.5 41.9



Abundance Ion 75.00 (74.70 to 75.70): VU036355.D (-2054) (-)

Ion 77.00 (76.70 to 77.70): VU036355.D (-2054) (-)

8.24

200000

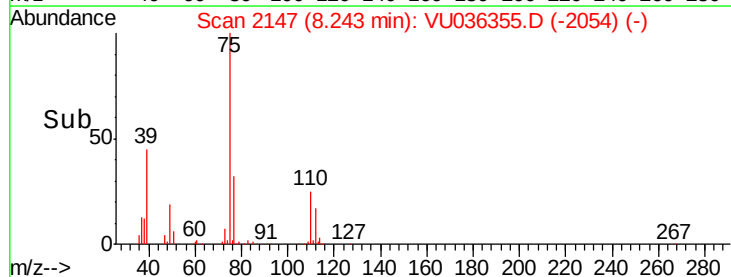
150000

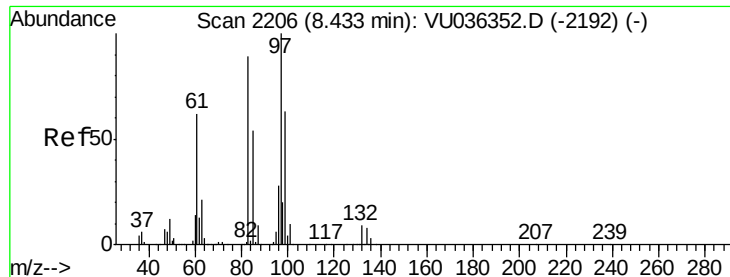
100000

50000

0

Time--> 8.20 8.30

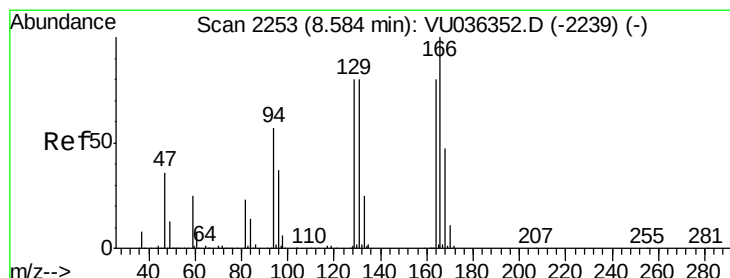
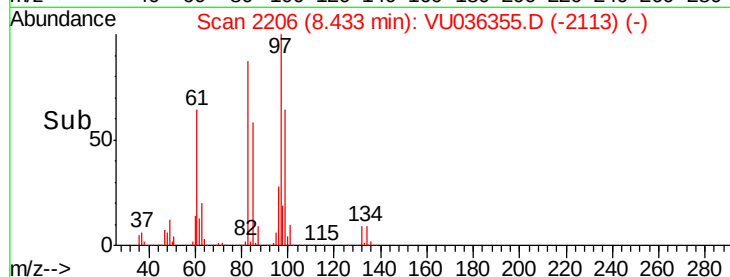
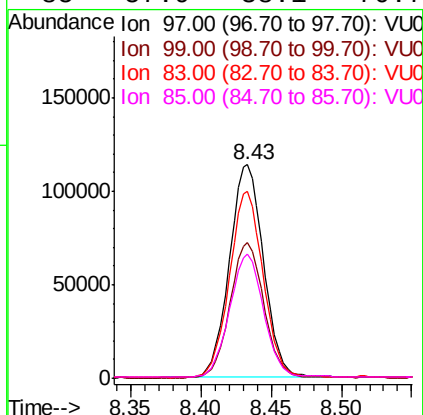
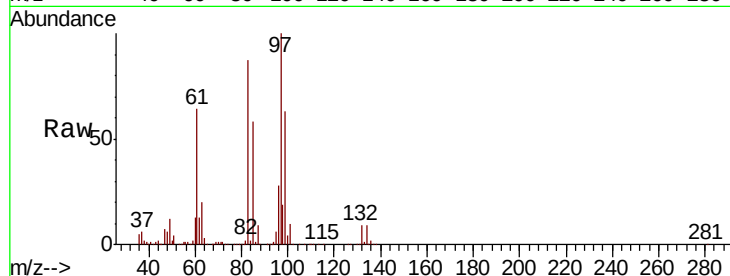




#45
1,1,2-Trichloroethane
Concen: 49.565 ug/L
RT: 8.43 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VU036355.D
Acq: 27 Dec 2019 15:13

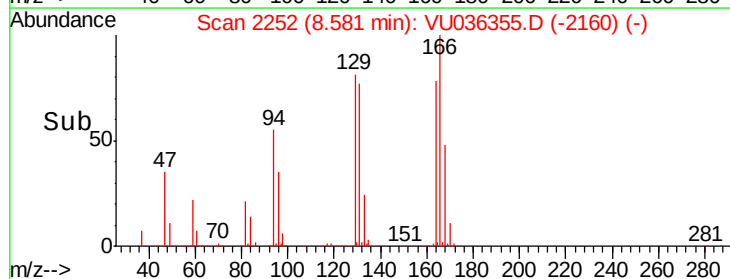
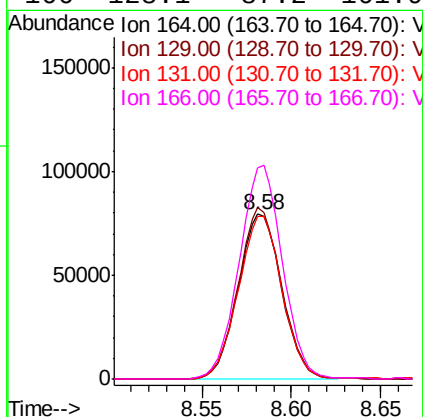
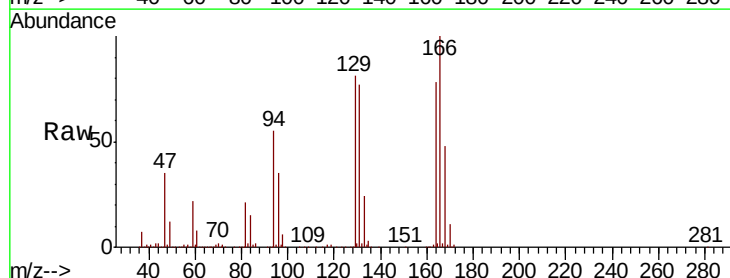
Instrument :
MSVOA_U
ClientSampleId :

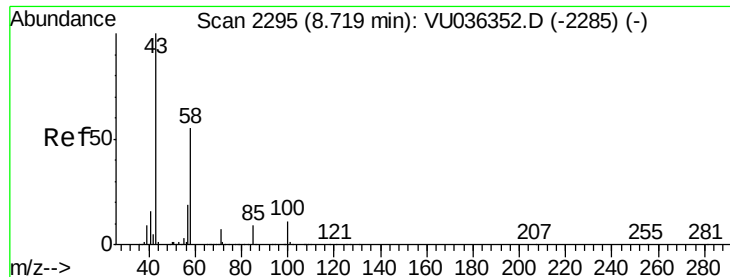
Tot Ion:	97	Resp:	193277
Ion	Ratio	Lower	Upper
97	100		
99	63.4	44.2	82.2
83	87.3	62.5	116.1
85	57.9	38.1	70.7



#46
Tetrachloroethene
Concen: 47.549 ug/L
RT: 8.58 min Scan# 2252
Delta R.T. -0.00 min
Lab File: VU036355.D
Acq: 27 Dec 2019 15:13

Tgt Ion:	164	Resp:	136141
Ion	Ratio	Lower	Upper
164	100		
129	103.8	70.0	130.0
131	98.8	70.1	130.1
166	128.1	87.2	161.9

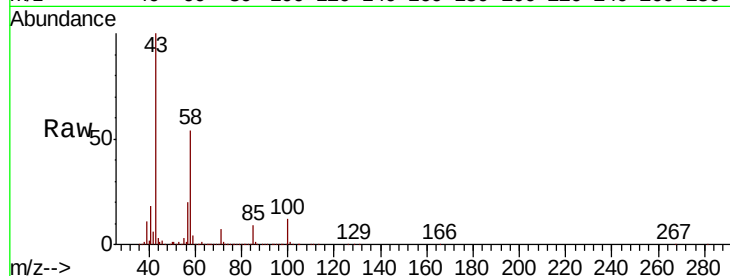




#48
2-Hexanone
Concen: 97.118 ug/L
RT: 8.72 min Scan# 2295
Delta R.T. 0.00 min
Lab File: VU036355.D
Acq: 27 Dec 2019 15:13

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.5	42.2	63.4
57	17.9	14.8	22.2
100	11.3	8.8	13.2

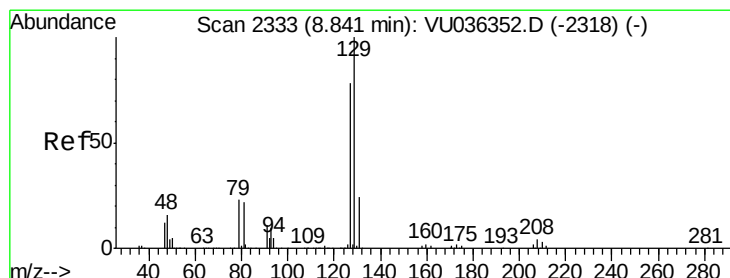
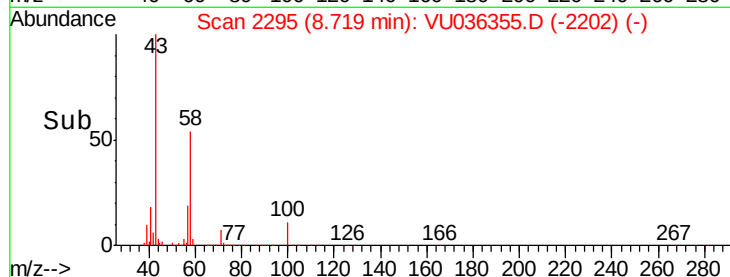
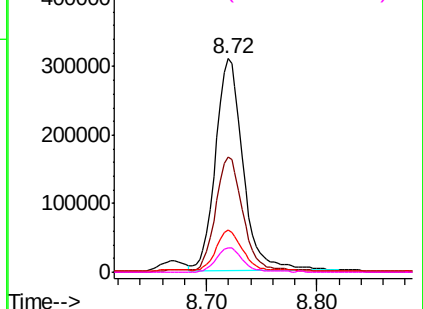


Abundance Ion 43.00 (42.70 to 43.70): VU036355.D (-2295) (-)

Ion 58.00 (57.70 to 58.70): VU036355.D (-2295) (-)

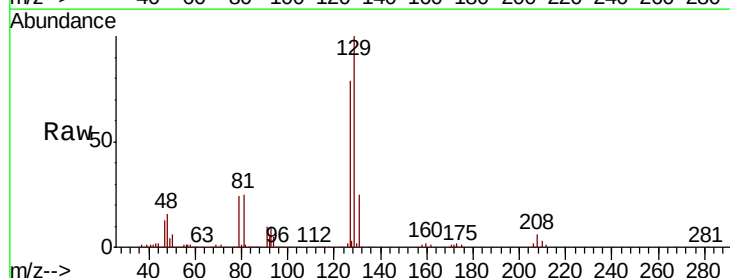
Ion 57.00 (56.70 to 57.70): VU036355.D (-2295) (-)

Ion 100.00 (99.70 to 100.70): VU036355.D (-2295) (-)



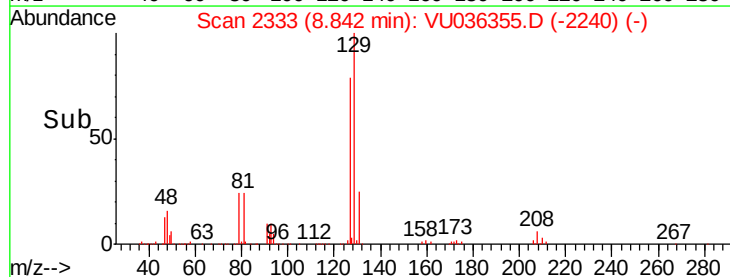
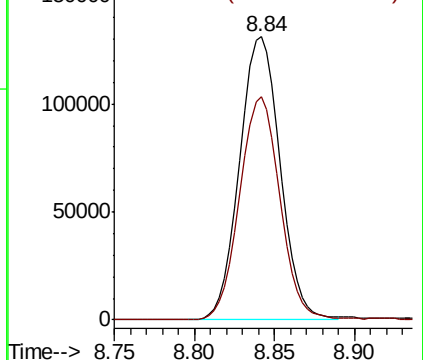
#49
Dibromochloromethane
Concen: 47.536 ug/L
RT: 8.84 min Scan# 2333
Delta R.T. 0.00 min
Lab File: VU036355.D
Acq: 27 Dec 2019 15:13

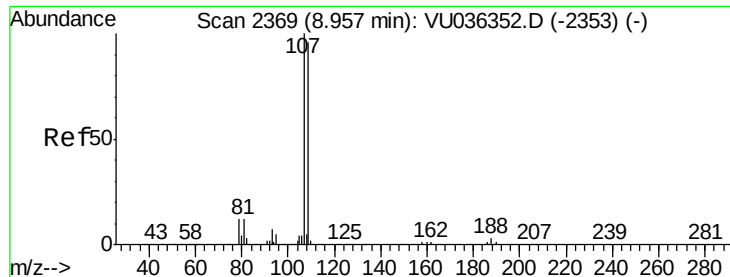
Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.0	54.8	101.8



Abundance Ion 129.00 (128.70 to 129.70): VU036355.D (-2333) (-)

Ion 127.00 (126.70 to 127.70): VU036355.D (-2333) (-)

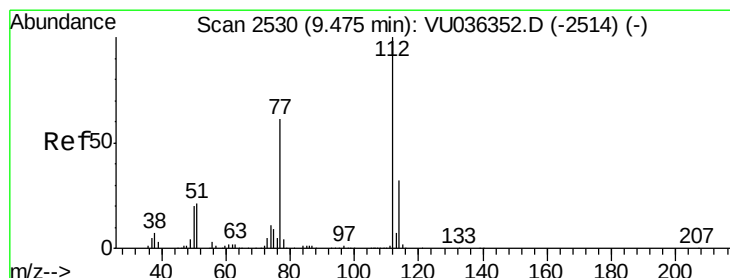
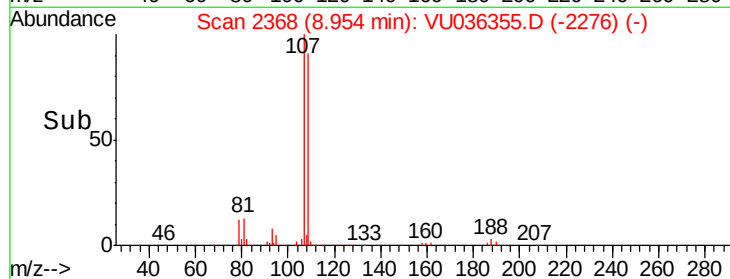
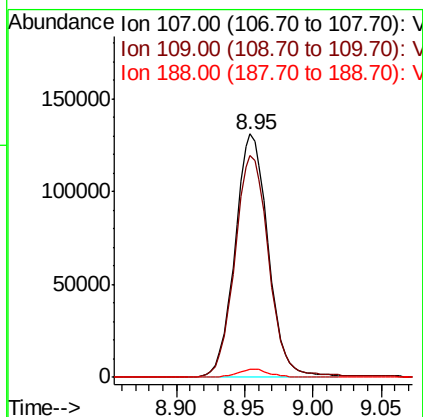
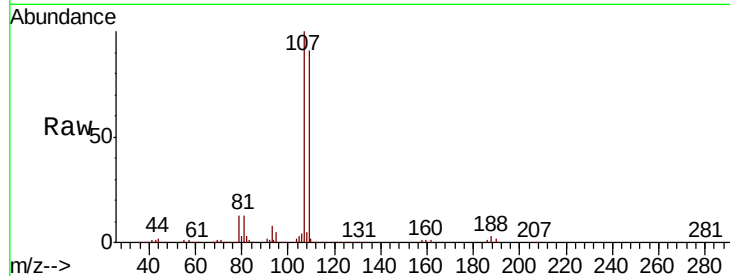




#50
 1,2-Dibromoethane
 Concen: 48.836 ug/L
 RT: 8.95 min Scan# 2368
 Delta R.T. -0.00 min
 Lab File: VU036355.D
 Acq: 27 Dec 2019 15:13

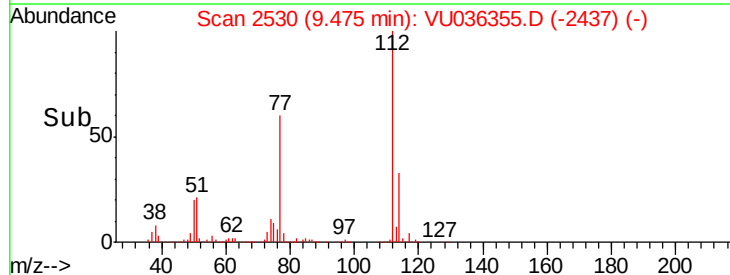
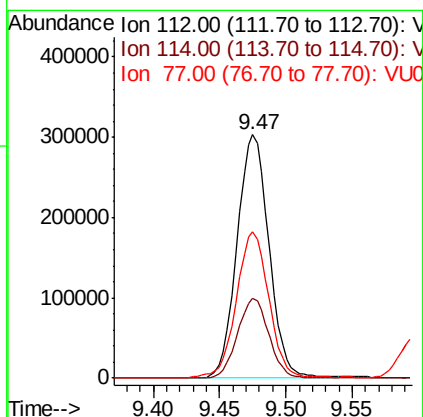
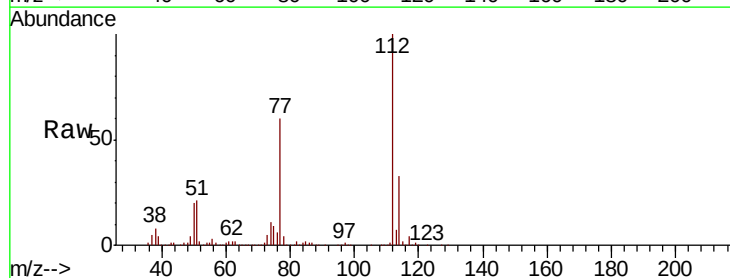
Instrument :
 MSVOA_U
 ClientSampleId :

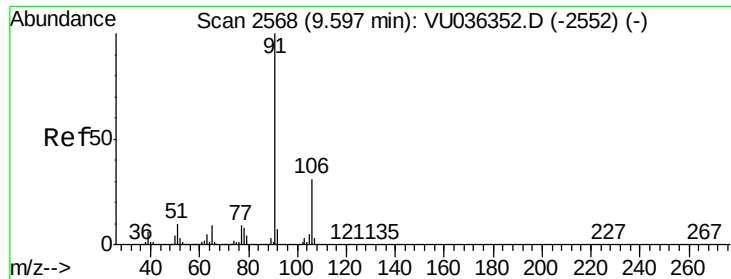
Tot Ion	Ratio	Lower	Upper
107	100		
109	91.2	67.3	124.9
188	3.2	2.6	3.8



#51
 Chlorobenzene
 Concen: 47.345 ug/L
 RT: 9.47 min Scan# 2530
 Delta R.T. 0.00 min
 Lab File: VU036355.D
 Acq: 27 Dec 2019 15:13

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.5	22.5	41.7
77	59.9	48.7	73.1





#52

Ethylbenzene

Concen: 46.463 ug/L

RT: 9.60 min Scan# 2568

Delta R.T. 0.00 min

Lab File: VU036355.D

Acq: 27 Dec 2019 15:13

Instrument :

MSVOA_U

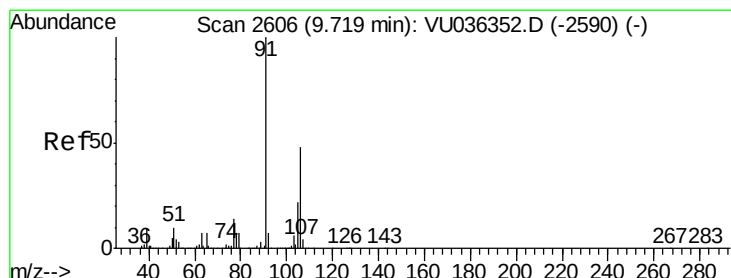
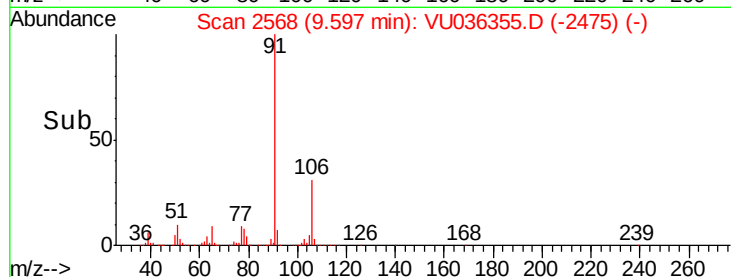
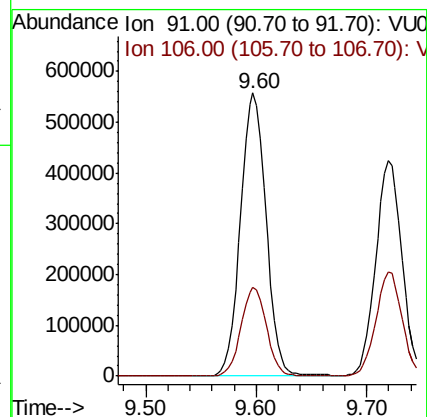
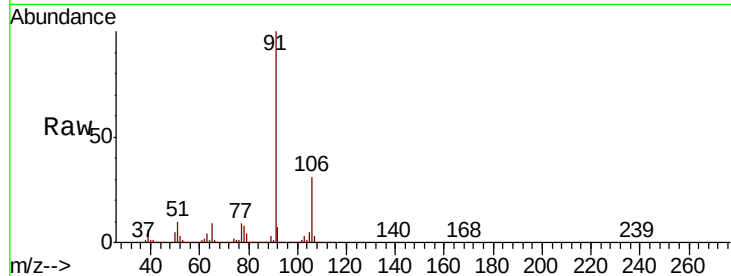
ClientSampleId :

Tot Ion: 91 Resp: 898833

Ion Ratio Lower Upper

91 100

106 31.5 22.0 40.8



#53

m,p-Xylene

Concen: 46.951 ug/L

RT: 9.72 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VU036355.D

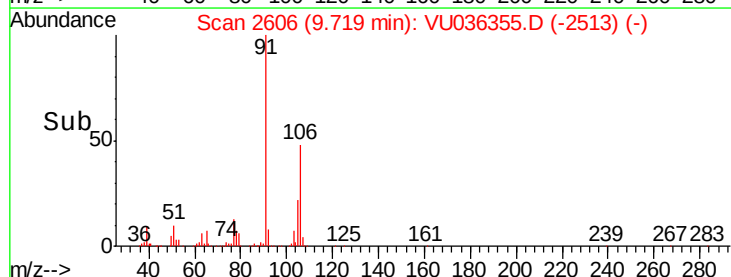
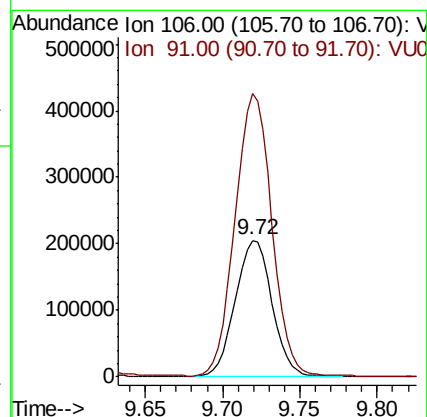
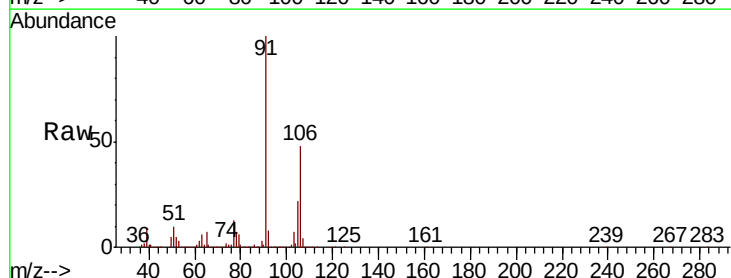
Acq: 27 Dec 2019 15:13

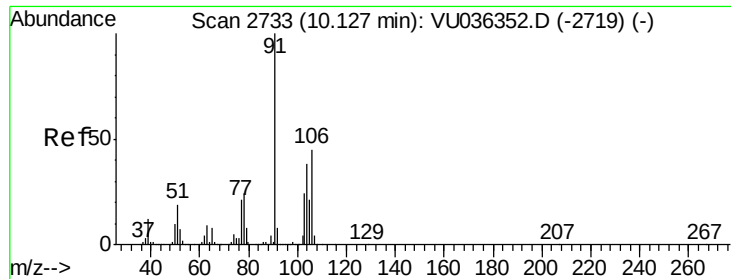
Tgt Ion: 106 Resp: 336925

Ion Ratio Lower Upper

106 100

91 207.1 146.8 272.6

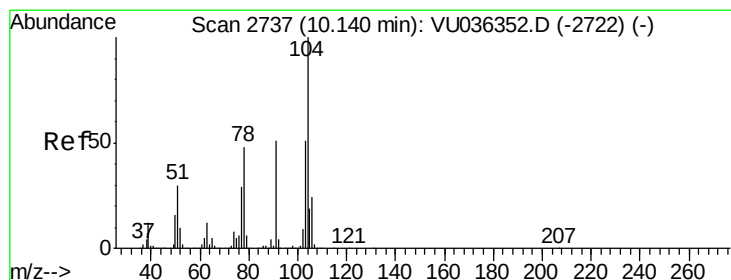
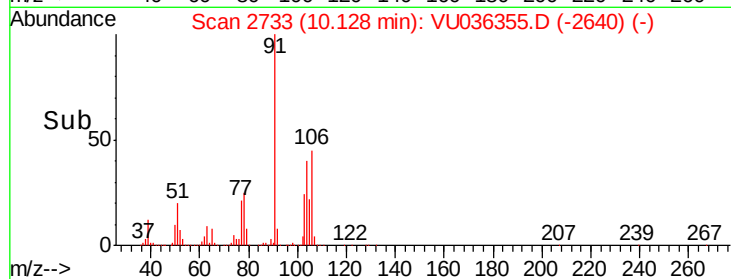
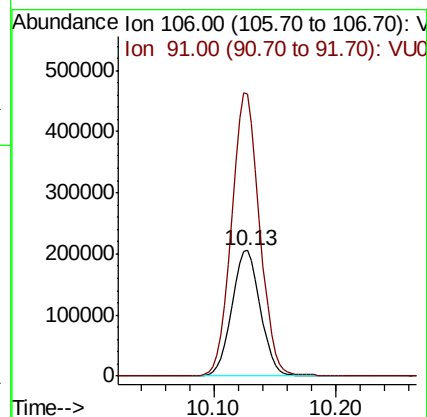
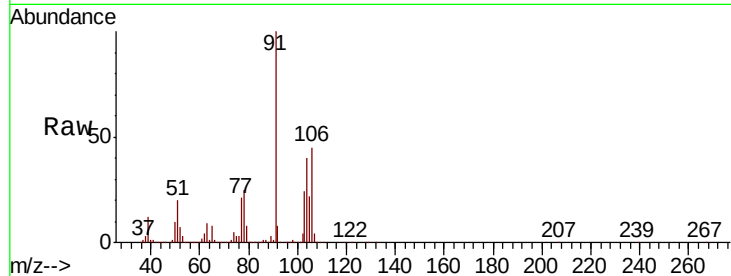




#54
o-xylene
Concen: 46.616 ug/L
RT: 10.13 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU036355.D
Acq: 27 Dec 2019 15:13

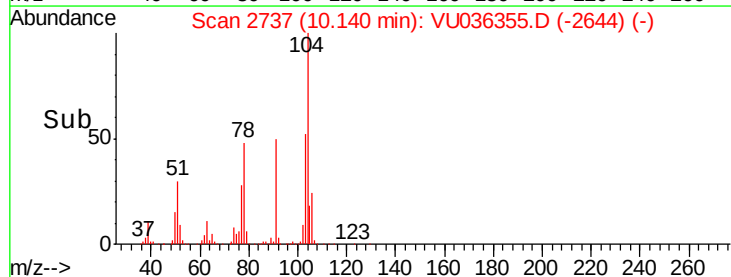
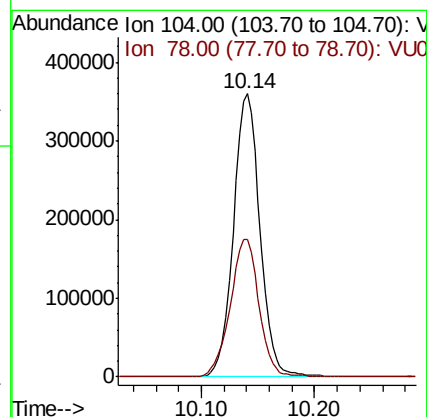
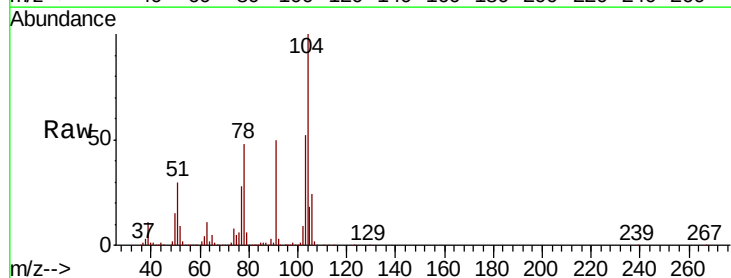
Instrument :
MSVOA_U
ClientSampleId :

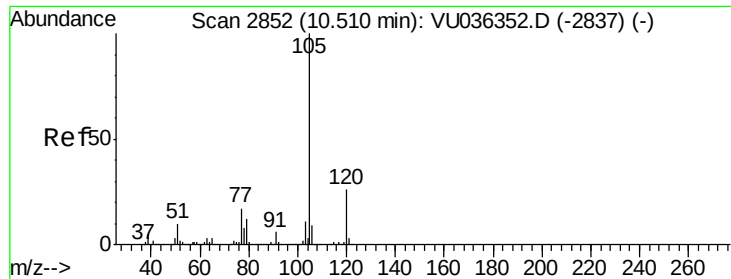
Tot Ion:106 Resp: 335646
Ion Ratio Lower Upper
106 100
91 224.3 156.4 290.4



#55
Styrene
Concen: 48.165 ug/L
RT: 10.14 min Scan# 2737
Delta R.T. 0.00 min
Lab File: VU036355.D
Acq: 27 Dec 2019 15:13

Tgt Ion:104 Resp: 586380
Ion Ratio Lower Upper
104 100
78 48.4 33.9 63.0





#56

Isopropylbenzene

Concen: 45.887 ug/L

RT: 10.51 min Scan# 2851

Delta R.T. -0.00 min

Lab File: VU036355.D

Acq: 27 Dec 2019 15:13

Instrument :

MSVOA_U

ClientSampleId :

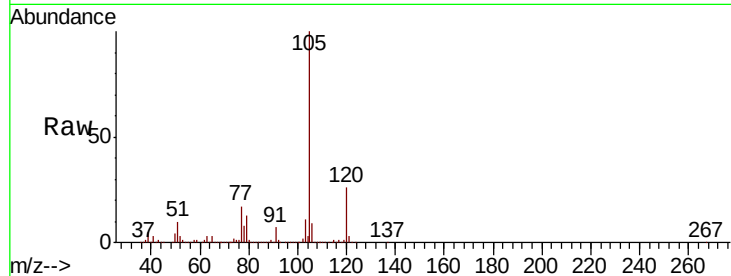
Tot Ion:105 Resp: 861162

Ion Ratio Lower Upper

105 100

120 26.4 21.0 31.4

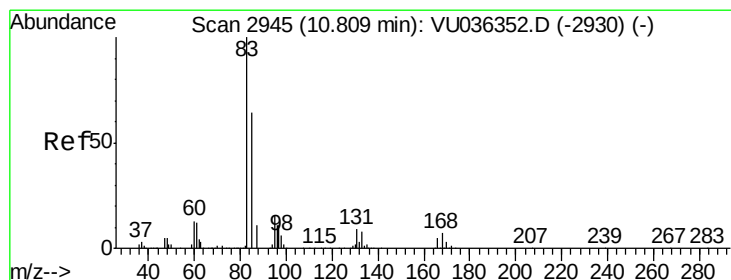
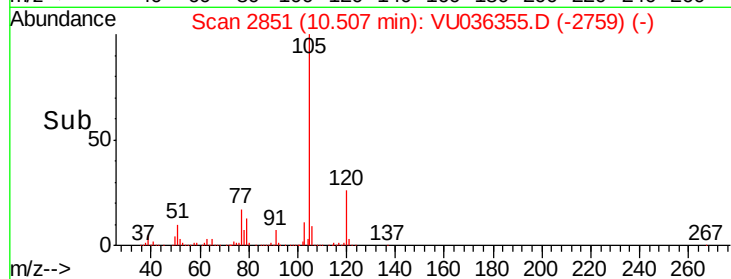
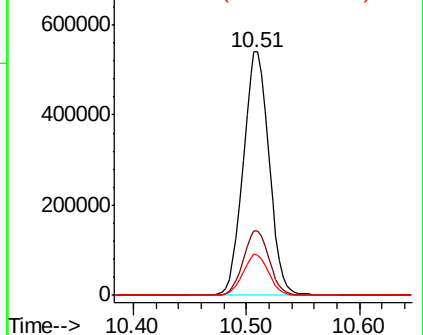
77 16.5 13.3 19.9



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: 45.687 ug/L

RT: 10.81 min Scan# 2945

Delta R.T. 0.00 min

Lab File: VU036355.D

Acq: 27 Dec 2019 15:13

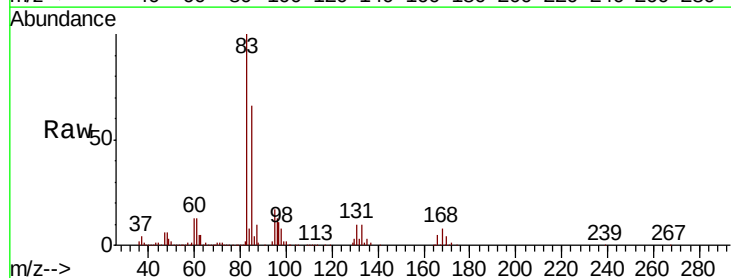
Tgt Ion: 83 Resp: 336751

Ion Ratio Lower Upper

83 100

85 66.2 45.3 84.1

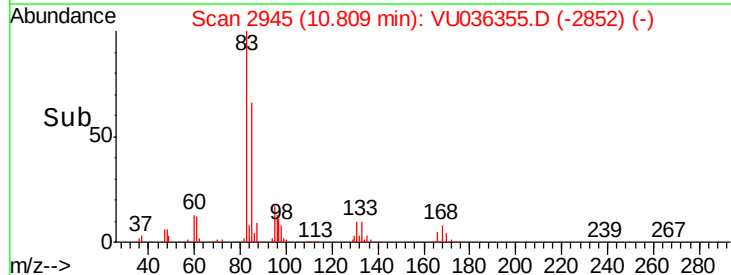
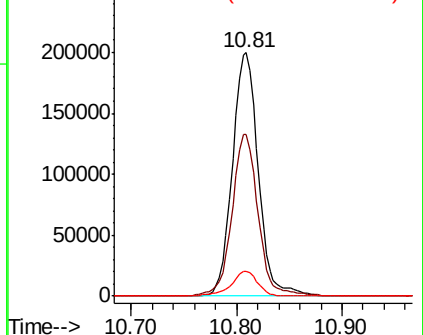
131 10.4 7.5 11.3

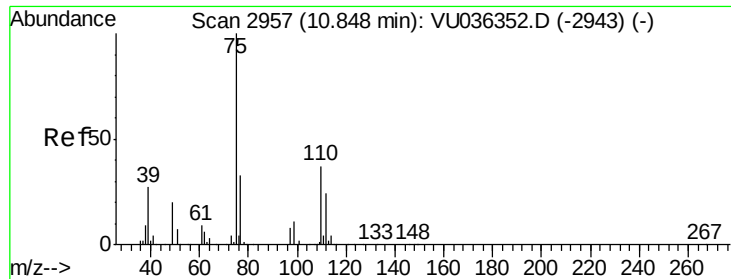


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 46.644 ug/L

RT: 10.85 min Scan# 2957

Delta R.T. 0.00 min

Lab File: VU036355.D

Acq: 27 Dec 2019 15:13

Instrument :

MSVOA_U

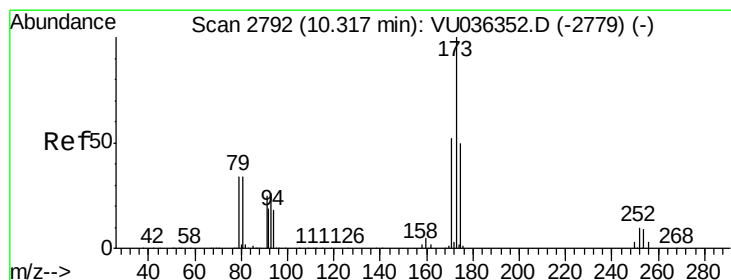
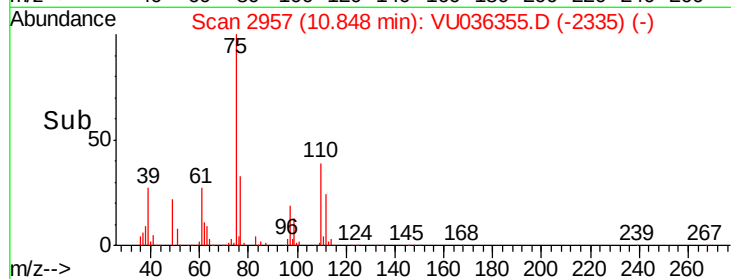
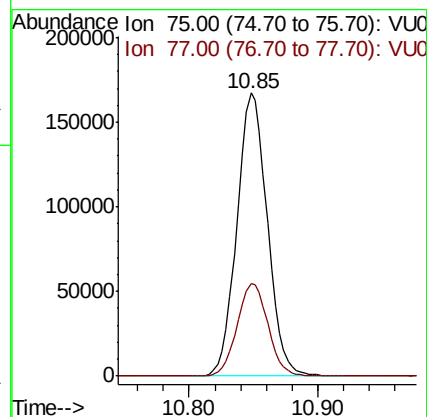
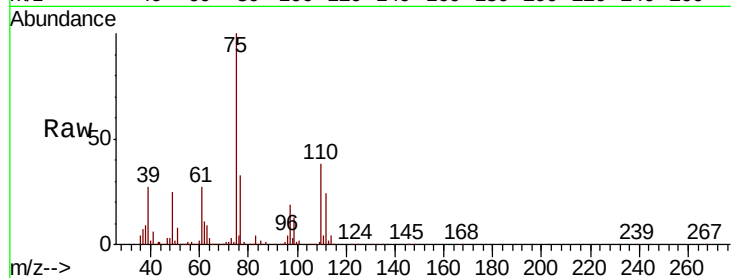
ClientSampleId :

Tot Ion: 75 Resp: 273539

Ion Ratio Lower Upper

75 100

77 33.0 26.3 39.5



#61

Bromoform

Concen: 47.792 ug/L

RT: 10.32 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VU036355.D

Acq: 27 Dec 2019 15:13

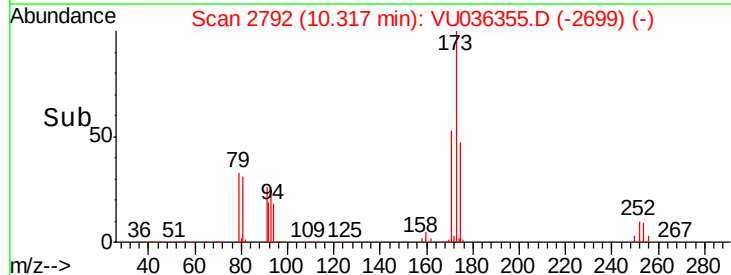
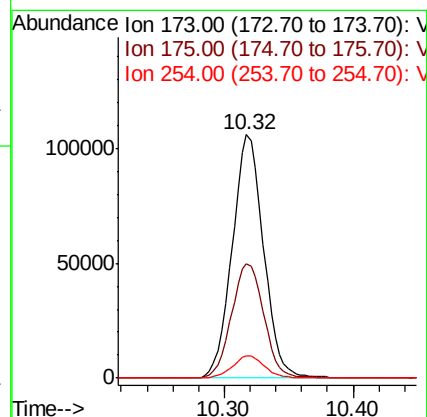
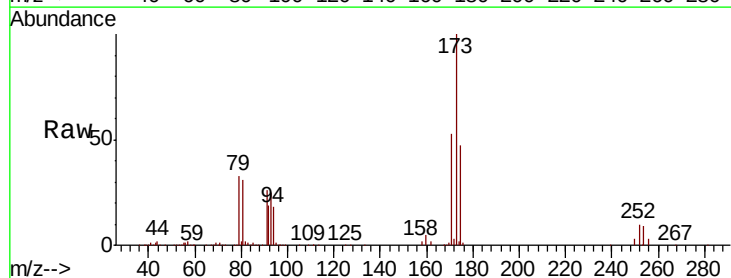
Tgt Ion: 173 Resp: 178714

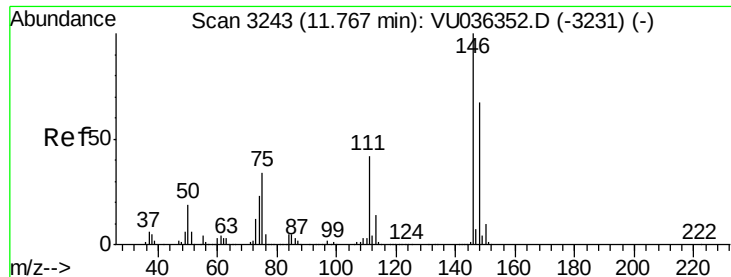
Ion Ratio Lower Upper

173 100

175 48.5 38.7 58.1

254 9.2 6.9 10.3





#62

1,3-Dichlorobenzene

Concen: 47.695 ug/L

RT: 11.77 min Scan# 3243

Delta R.T. 0.00 min

Lab File: VU036355.D

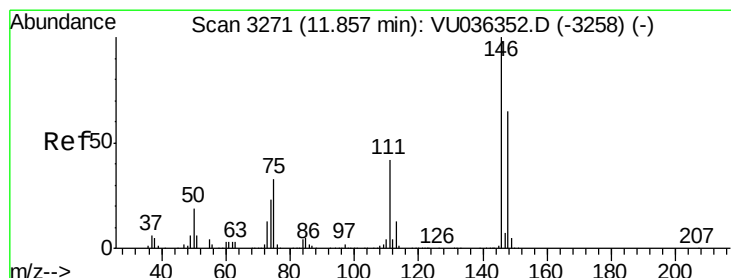
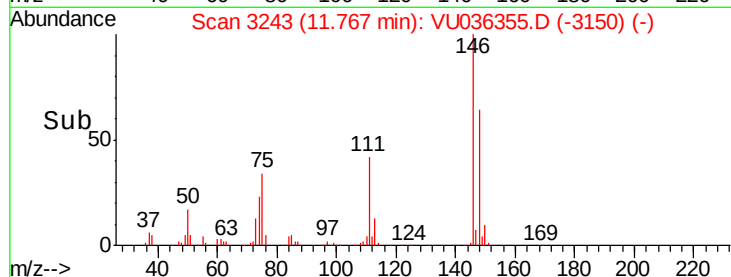
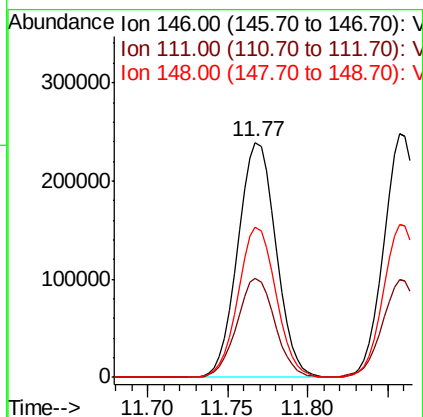
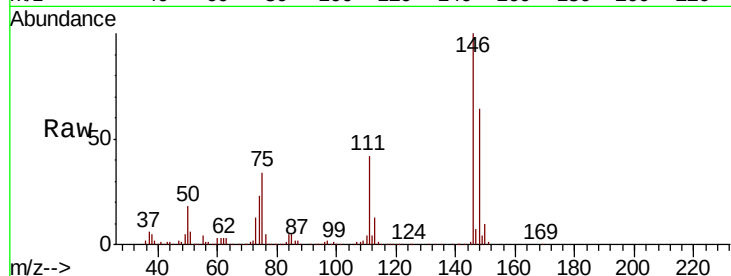
Acq: 27 Dec 2019 15:13

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:146	Resp:	387841
Ion Ratio	Lower	Upper
146	100	
111	42.4	29.1 54.1
148	63.8	46.9 87.1



#63

1,4-Dichlorobenzene

Concen: 48.217 ug/L

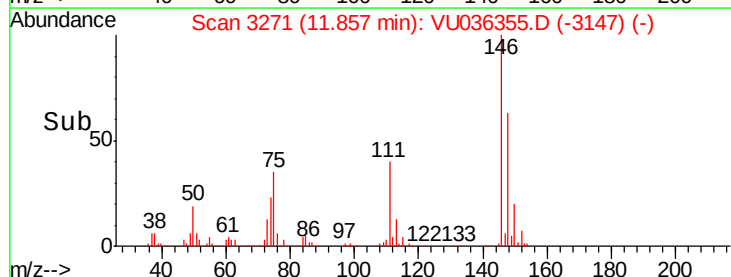
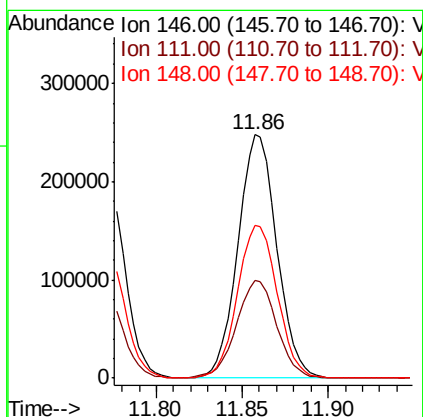
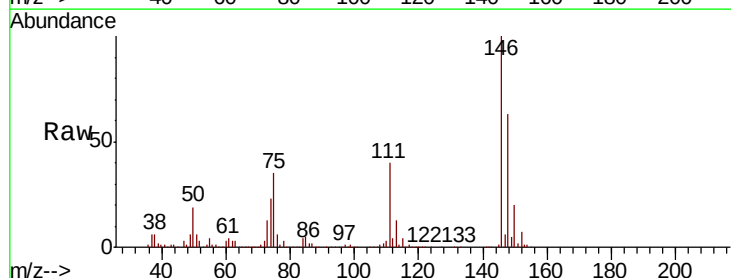
RT: 11.86 min Scan# 3271

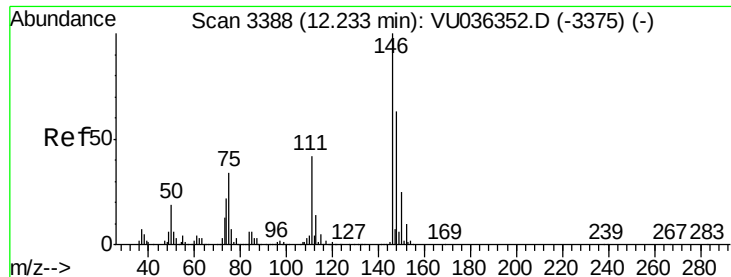
Delta R.T. 0.00 min

Lab File: VU036355.D

Acq: 27 Dec 2019 15:13

Tgt Ion:146	Resp:	388932
Ion Ratio	Lower	Upper
146	100	
111	40.0	29.7 55.1
148	62.9	45.6 84.6

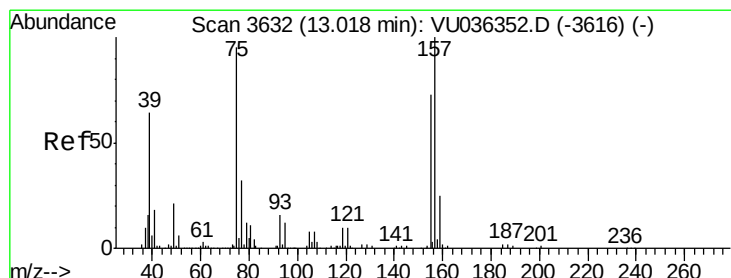
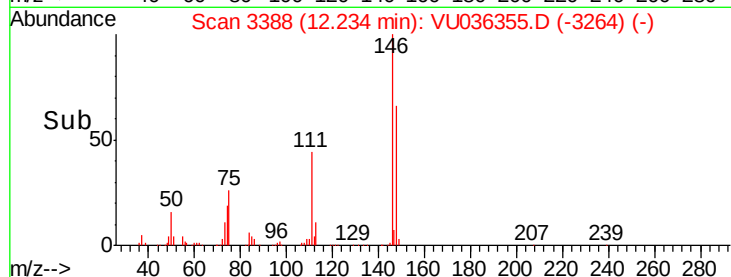
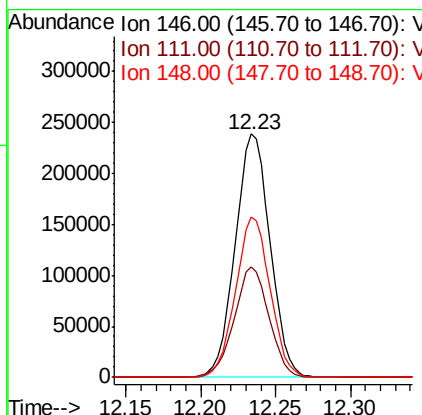
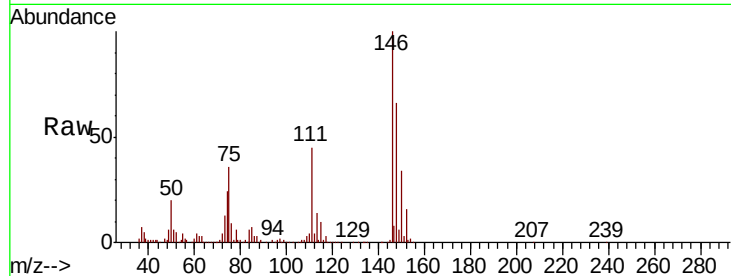




#65
 1,2-Dichlorobenzene
 Concen: 47.540 ug/L
 RT: 12.23 min Scan# 3388
 Delta R.T. 0.00 min
 Lab File: VU036355.D
 Acq: 27 Dec 2019 15:13

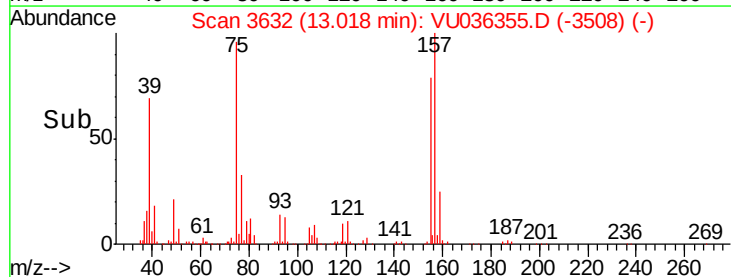
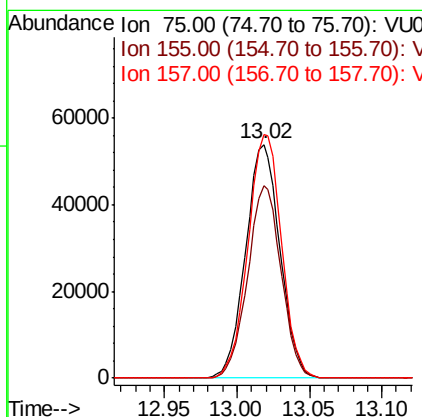
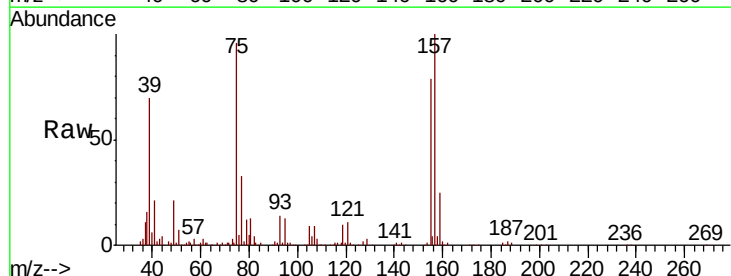
Instrument :
 MSVOA_U
 ClientSampleId :

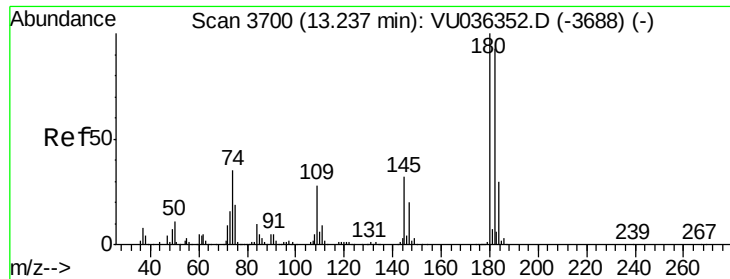
Tot Ion	Ratio	Lower	Upper
146	100		
111	45.5	33.4	50.2
148	65.7	50.7	76.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 46.763 ug/L
 RT: 13.02 min Scan# 3632
 Delta R.T. 0.00 min
 Lab File: VU036355.D
 Acq: 27 Dec 2019 15:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.3	61.8	92.6
157	104.1	84.2	126.2

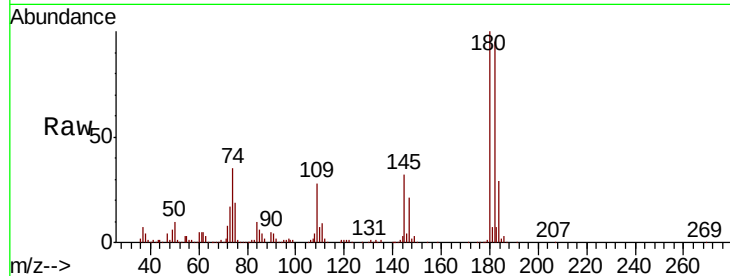




#67
 1,3,5-Trichlorobenzene
 Concen: 48.689 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VU036355.D
 Acq: 27 Dec 2019 15:13

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	74.6	112.0
184	29.8	23.9	35.9
145	32.3	25.4	38.2



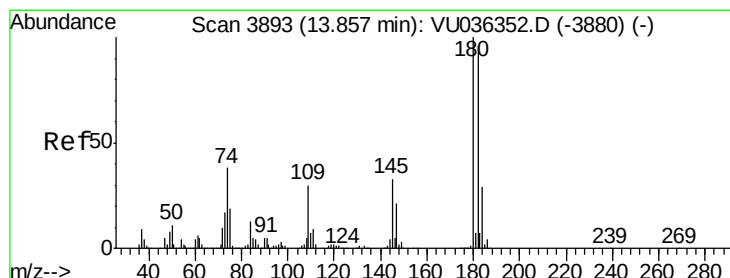
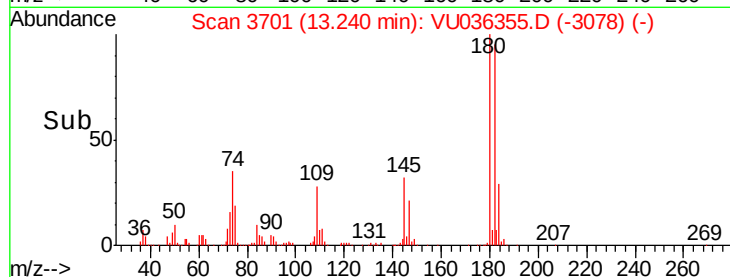
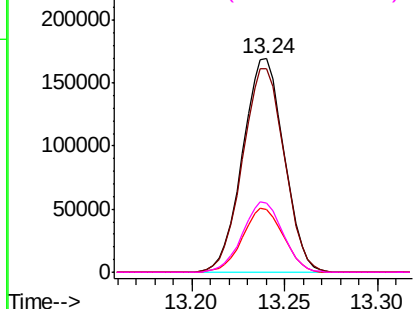
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

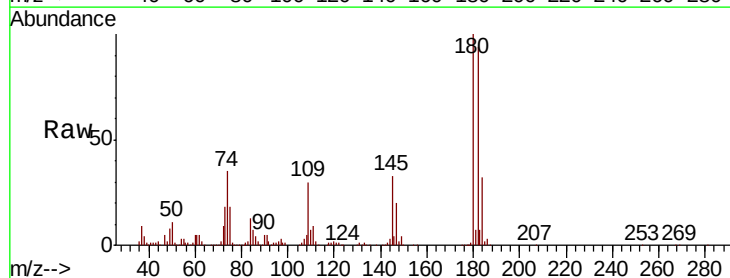
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 51.881 ug/L
 RT: 13.86 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU036355.D
 Acq: 27 Dec 2019 15:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	78.0	117.0
145	33.2	26.0	39.0

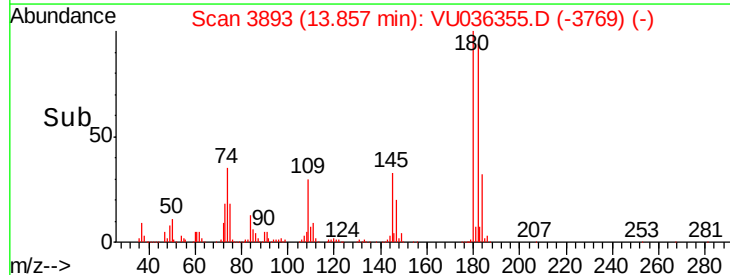
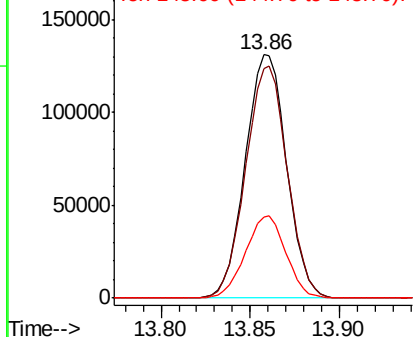


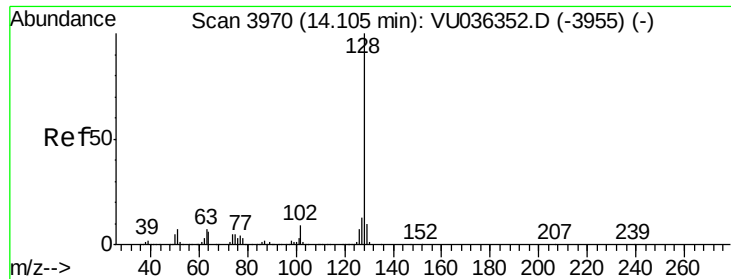
Abundance

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: 52.427 ug/L

RT: 14.10 min Scan# 3970

Delta R.T. 0.00 min

Lab File: VU036355.D

Acq: 27 Dec 2019 15:13

Instrument :

MSVOA_U

ClientSampleId :

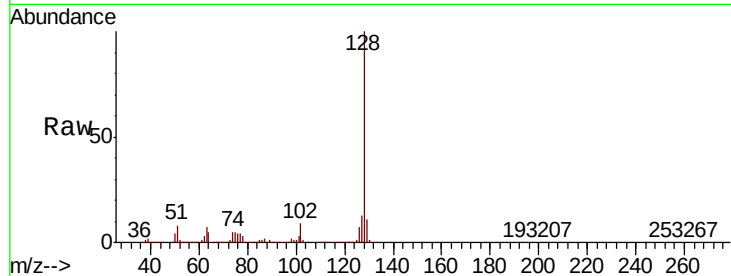
Tot Ion:128 Resp: 737232

Ion Ratio Lower Upper

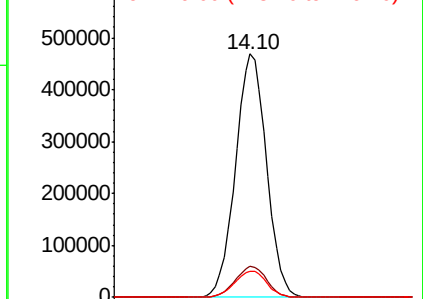
128 100

127 12.9 10.5 15.7

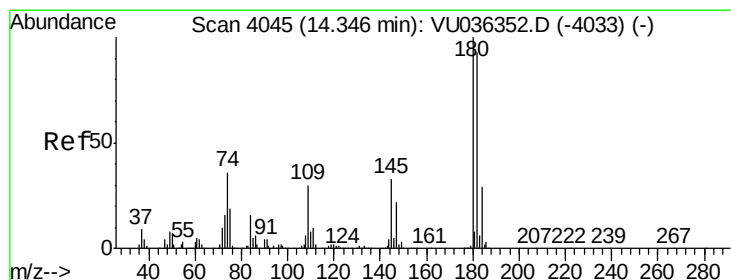
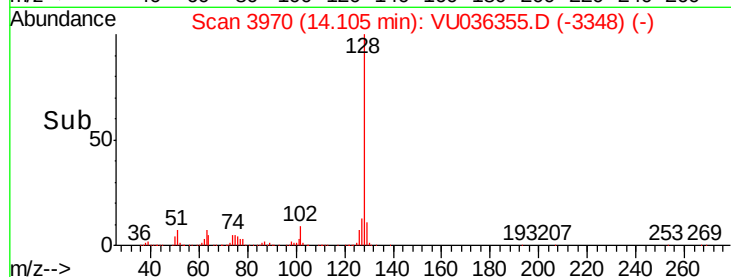
129 11.1 8.5 12.7



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



Time-->



#70

1,2,3-Trichlorobenzene

Concen: 51.913 ug/L

RT: 14.35 min Scan# 4046

Delta R.T. 0.00 min

Lab File: VU036355.D

Acq: 27 Dec 2019 15:13

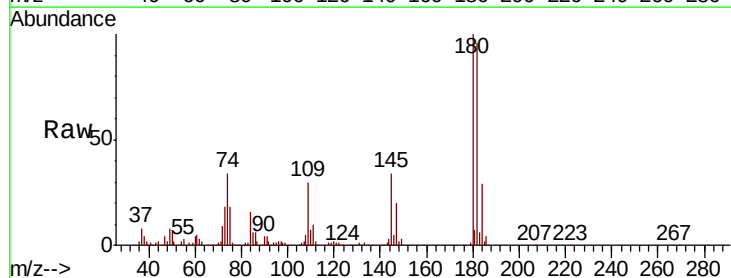
Tgt Ion:180 Resp: 223109

Ion Ratio Lower Upper

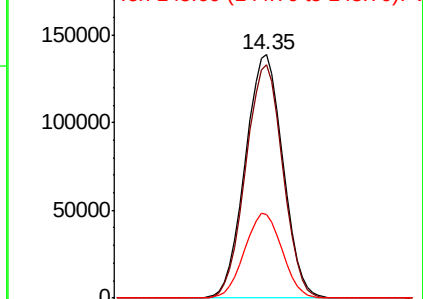
180 100

182 94.1 75.4 113.2

145 34.7 27.1 40.7



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



Time-->

