

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102619\
 Data File : VU035526.D
 Acq On : 26 Oct 2019 18:17
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 30 02:30:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM102619WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 30 02:26:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	654038	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	622725	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	277806	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	238559	46.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.50%
7) Chloroethane-d5	1.93	69	201352	47.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.00%
11) 1,1-Dichloroethene-d2	2.60	63	408729	47.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.86%
21) 2-Butanone-d5	4.69	46	345524	101.53	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.53%
24) Chloroform-d	5.12	84	406639	47.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.24%
26) 1,2-Dichloroethane-d4	5.75	65	256058	47.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.86%
32) Benzene-d6	5.77	84	833148	50.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.18%
36) 1,2-Dichloropropane-d6	6.73	67	269235	49.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.18%
41) Toluene-d8	7.93	98	768352	50.52	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.04%
43) trans-1,3-Dichloropropene-	8.21	79	130096	51.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.36%
47) 2-Hexanone-d5	8.68	63	242013	120.67	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	120.67%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	377425	49.40	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.80%
64) 1,2-Dichlorobenzene-d4	12.22	152	259571	47.97	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.94%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.40	85	262811	46.735	ug/L	99
3) Chloromethane	1.54	50	303153	50.513	ug/L	99
5) Vinyl chloride	1.62	62	313627	48.148	ug/L	97
6) Bromomethane	1.87	94	145158	48.906	ug/L	100
8) Chloroethane	1.95	64	185707	48.285	ug/L	99
9) Trichlorofluoromethane	2.16	101	353945	47.380	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	204087	46.565	ug/L	100
12) 1,1-Dichloroethene	2.61	96	198944	48.046	ug/L	96
13) Acetone	2.67	43	257954	75.652	ug/L	100
14) Carbon disulfide	2.83	76	630970	46.906	ug/L	99
15) Methyl Acetate	2.99	43	281897	50.304	ug/L	99
16) Methylene chloride	3.08	84	243661	47.309	ug/L	98
17) trans-1,2-Dichloroethene	3.39	96	215426	48.673	ug/L	99
18) Methyl tert-butyl Ether	3.42	73	687765	49.871	ug/L	99
19) 1,1-Dichloroethane	3.92	63	433036	47.745	ug/L	100
20) cis-1,2-Dichloroethene	4.72	96	243374	48.908	ug/L	99
22) 2-Butanone	4.77	43	404921	94.901	ug/L	98

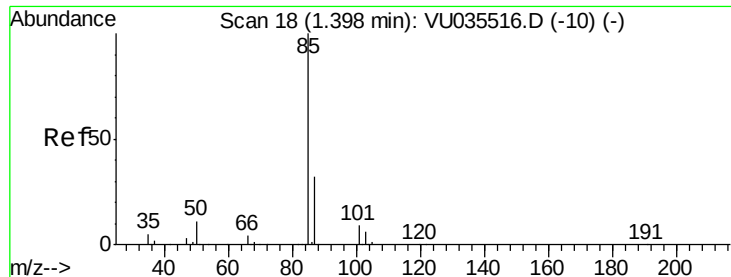
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102619\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.03	128	121883	48.062	ug/L	99
25) Chloroform	5.14	83	422938	47.275	ug/L	98
27) 1,2-Dichloroethane	5.84	62	328876	47.741	ug/L	100
29) Cyclohexane	5.43	56	359931	51.022	ug/L	99
30) 1,1,1-Trichloroethane	5.37	97	345560	49.866	ug/L	99
31) Carbon tetrachloride	5.57	117	304569	50.021	ug/L	99
33) Benzene	5.82	78	946771	50.410	ug/L	100
34) Trichloroethene	6.58	95	229641	49.796	ug/L	99
35) Methylcyclohexane	6.80	83	327893	51.111	ug/L	98
37) 1,2-Dichloropropane	6.83	63	252794	49.241	ug/L	100
38) Bromodichloromethane	7.14	83	315252	49.365	ug/L	100
39) cis-1,3-Dichloropropene	7.65	75	394269	51.902	ug/L	100
40) 4-Methyl-2-pentanone	7.84	43	720810	102.953	ug/L	99
42) Toluene	8.01	91	991346	51.179	ug/L	99
44) trans-1,3-Dichloropropene	8.25	75	352519	50.862	ug/L	100
45) 1,1,2-Trichloroethane	8.44	97	230829	49.164	ug/L	98
46) Tetrachloroethene	8.58	164	177825	49.318	ug/L	99
48) 2-Hexanone	8.73	43	529413	92.341	ug/L	95
49) Dibromochloromethane	8.84	129	251549	49.607	ug/L	97
50) 1,2-Dibromoethane	8.96	107	247717	50.150	ug/L	98
51) Chlorobenzene	9.48	112	624663	49.642	ug/L	99
52) Ethylbenzene	9.60	91	1060681	51.397	ug/L	99
53) m,p-Xylene	9.72	106	400945	52.415	ug/L	100
54) o-xylene	10.13	106	389769	52.072	ug/L	100
55) Styrene	10.14	104	654822	53.606	ug/L	98
56) Isopropylbenzene	10.51	105	982609	52.176	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.81	83	406306	48.974	ug/L	99
59) 1,2,3-Trichloropropane	10.85	75	322121	48.819	ug/L	99
61) Bromoform	10.32	173	187636	44.738	ug/L	100
62) 1,3-Dichlorobenzene	11.77	146	424275	47.847	ug/L	99
63) 1,4-Dichlorobenzene	11.86	146	419945	46.547	ug/L	98
65) 1,2-Dichlorobenzene	12.24	146	426143	47.202	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	71226	47.493	ug/L	100
67) 1,3,5-Trichlorobenzene	13.24	180	218351	48.223	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	134604	47.306	ug/L	98
69) Naphthalene	14.11	128	348076	43.983	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	143010	48.629	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 46.735 ug/L

RT: 1.40 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU035526.D

Acq: 26 Oct 2019 18:17

Instrument :

MSVOA_U

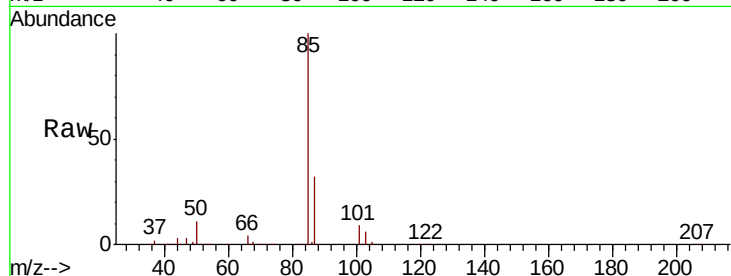
ClientSampled :

Tot Ion: 85 Resp: 262811

Ion Ratio Lower Upper

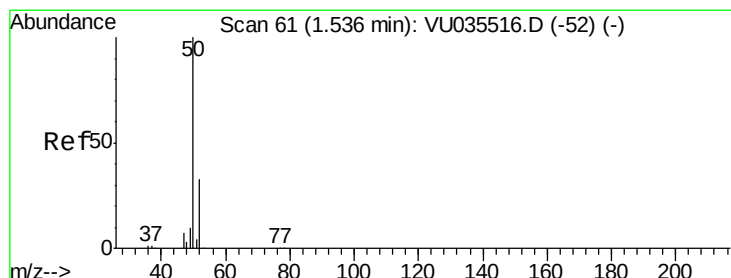
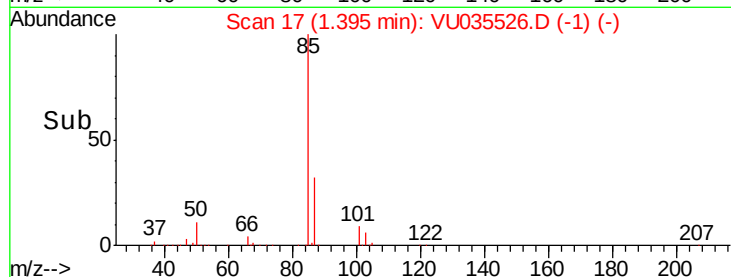
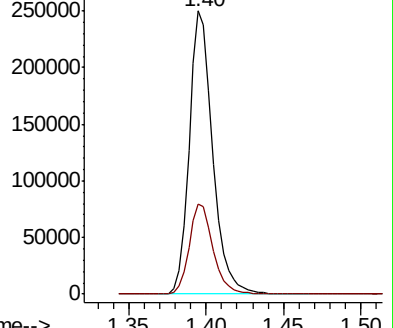
85 100

87 32.3 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VU035516.D (-10) (-)

Ion 87.00 (86.70 to 87.70): VU035516.D (-10) (-)



#3

Chloromethane

Concen: 50.513 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU035526.D

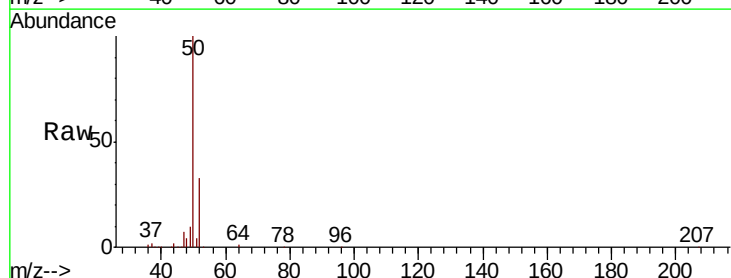
Acq: 26 Oct 2019 18:17

Tgt Ion: 50 Resp: 303153

Ion Ratio Lower Upper

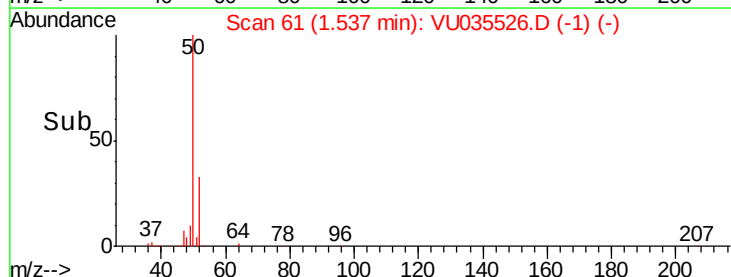
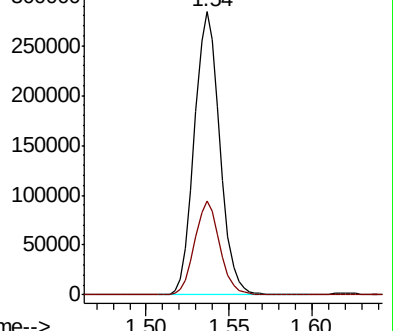
50 100

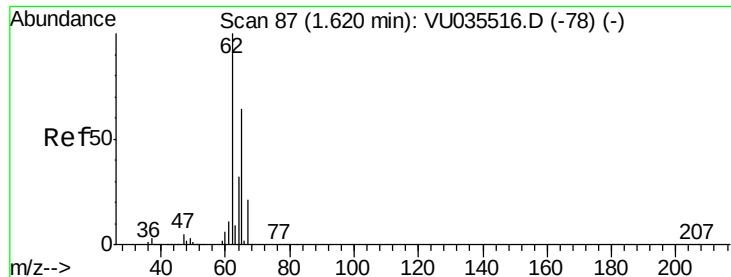
52 33.0 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VU035516.D (-52) (-)

Ion 52.00 (51.70 to 52.70): VU035516.D (-52) (-)





#5

Vinyl chloride

Concen: 48.148 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU035526.D

Acq: 26 Oct 2019 18:17

Instrument :

MSVOA_U

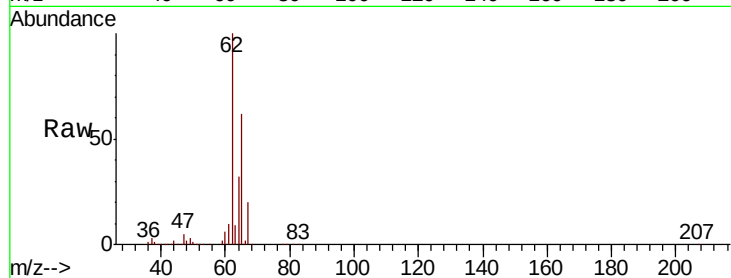
ClientSampleId :

Tot Ion: 62 Resp: 313627

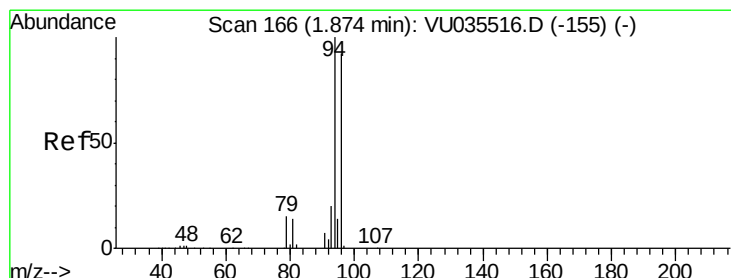
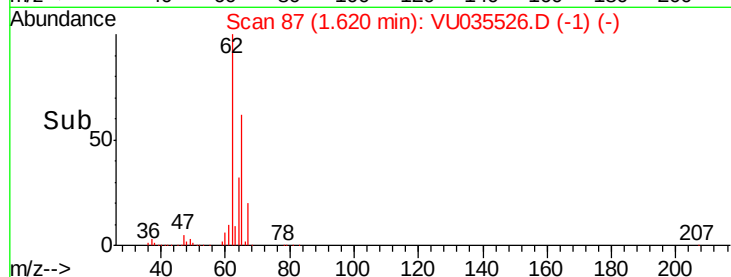
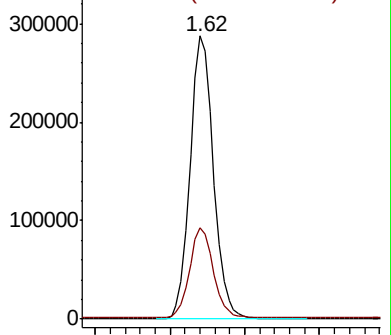
Ion Ratio Lower Upper

62 100

64 32.3 23.8 44.2



Abundance Ion 62.00 (61.70 to 62.70): VU035516.D (-78) (-)



#6

Bromomethane

Concen: 48.906 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU035526.D

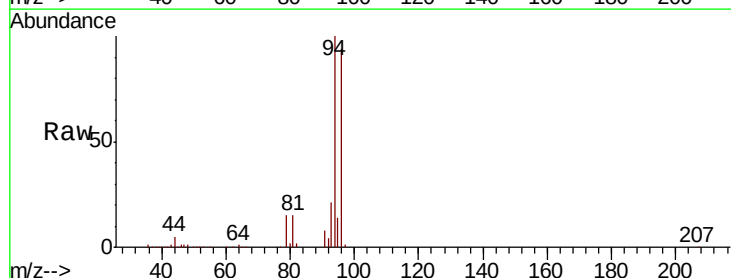
Acq: 26 Oct 2019 18:17

Tgt Ion: 94 Resp: 145158

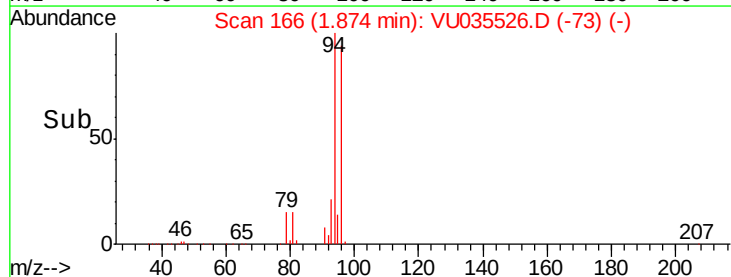
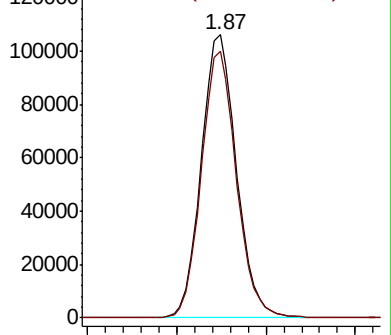
Ion Ratio Lower Upper

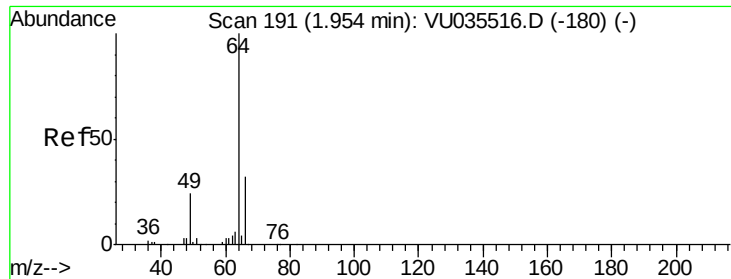
94 100

96 94.2 65.7 121.9



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





#8

Chloroethane

Concen: 48.285 ug/L

RT: 1.95 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU035526.D

Acq: 26 Oct 2019 18:17

Instrument :

MSVOA_U

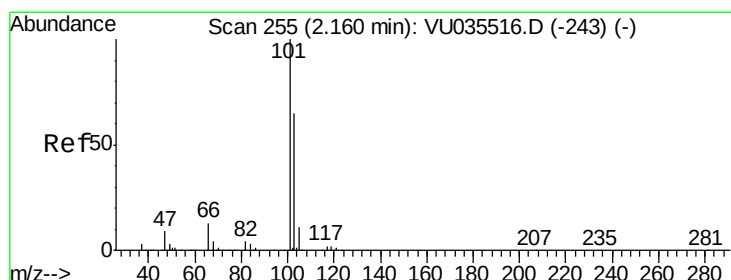
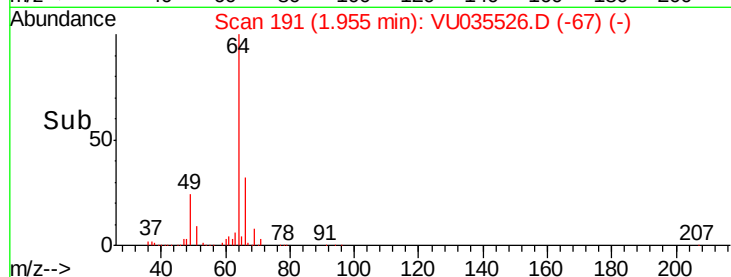
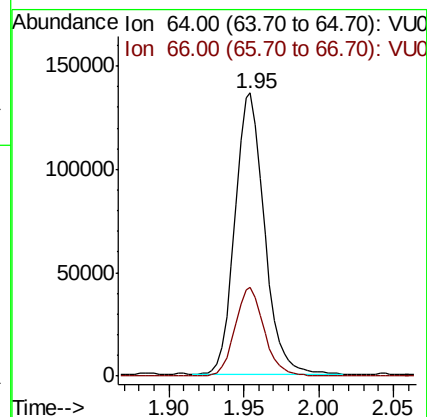
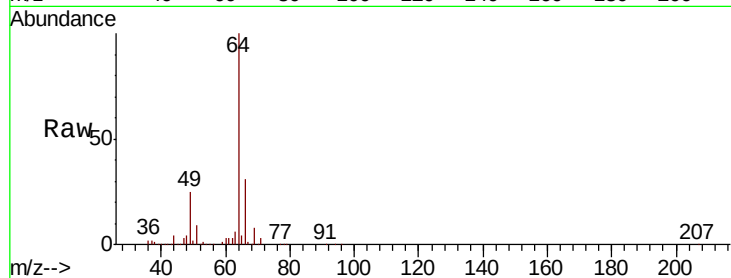
ClientSampleId :

Tot Ion: 64 Resp: 185707

Ion Ratio Lower Upper

64 100

66 31.5 22.3 41.5



#9

Trichlorofluoromethane

Concen: 47.380 ug/L

RT: 2.16 min Scan# 255

Delta R.T. 0.00 min

Lab File: VU035526.D

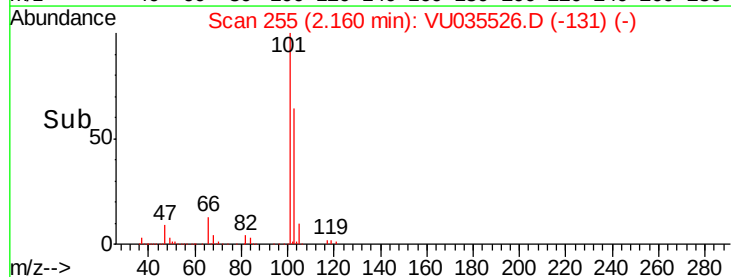
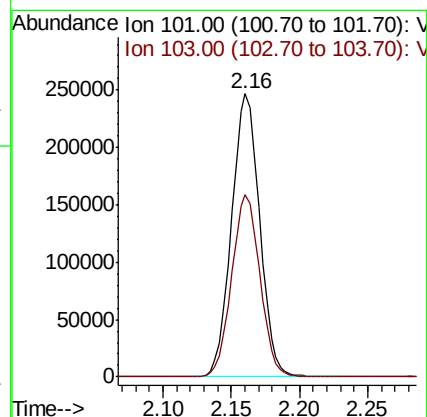
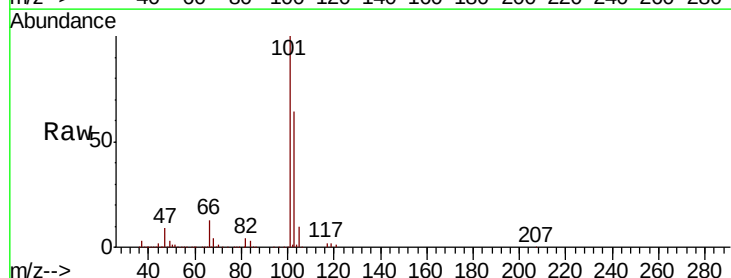
Acq: 26 Oct 2019 18:17

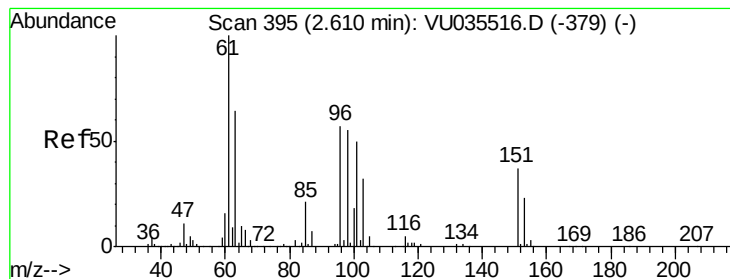
Tgt Ion: 101 Resp: 353945

Ion Ratio Lower Upper

101 100

103 64.6 51.7 77.5





#10

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

Concen: 46.565 ug/L

RT: 2.61 min Scan# 395

Delta R.T. 0.00 min

Lab File: VU035526.D

Acq: 26 Oct 2019 18:17

Instrument :

MSVOA_U

ClientSampled :

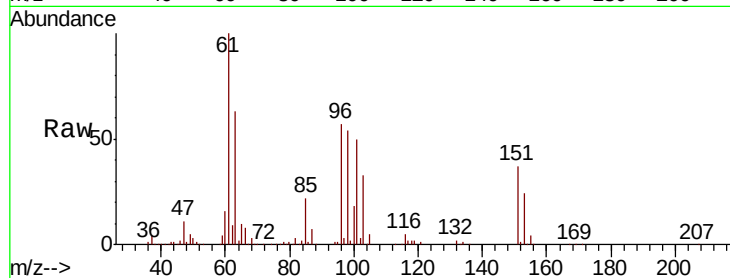
Tot Ion:101 Resp: 204087

Ion Ratio Lower Upper

101 100

85 43.2 34.6 52.0

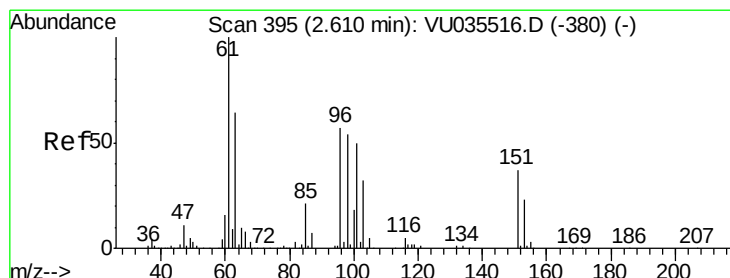
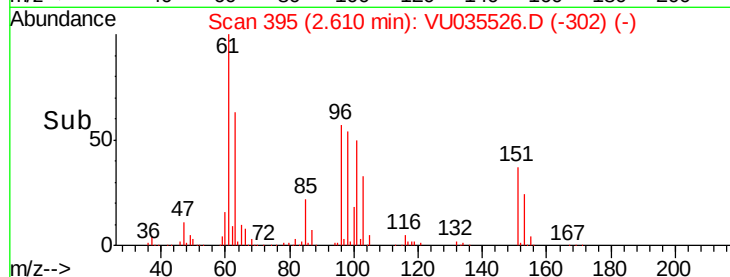
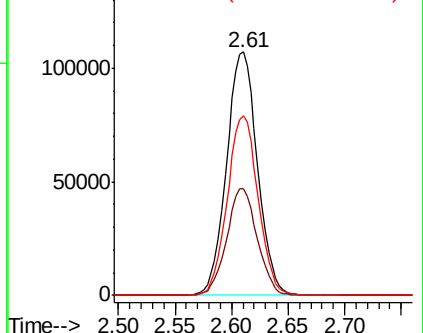
151 73.4 58.6 88.0



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: 48.046 ug/L

RT: 2.61 min Scan# 395

Delta R.T. 0.00 min

Lab File: VU035526.D

Acq: 26 Oct 2019 18:17

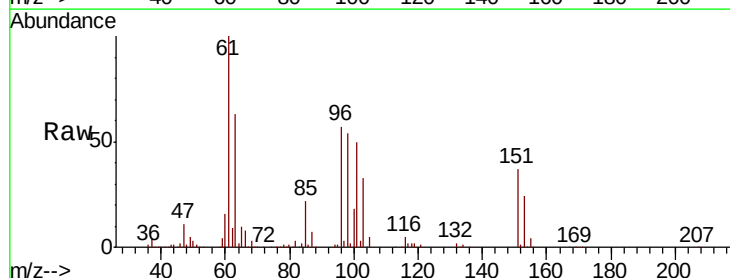
Tgt Ion: 96 Resp: 198944

Ion Ratio Lower Upper

96 100

61 174.3 125.2 232.4

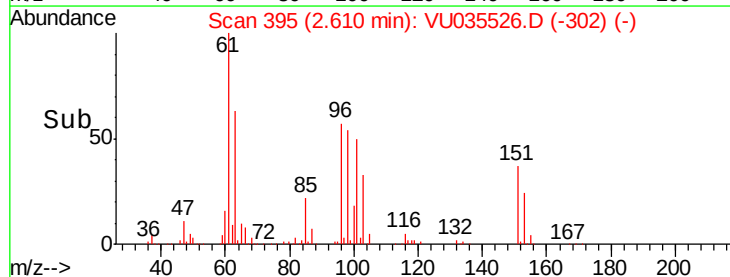
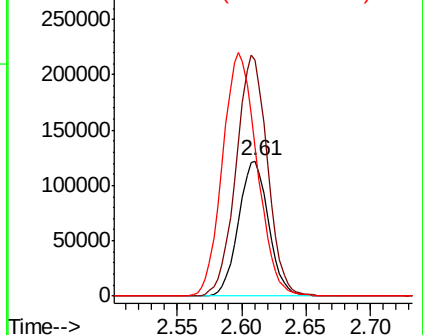
63 110.1 81.8 151.8

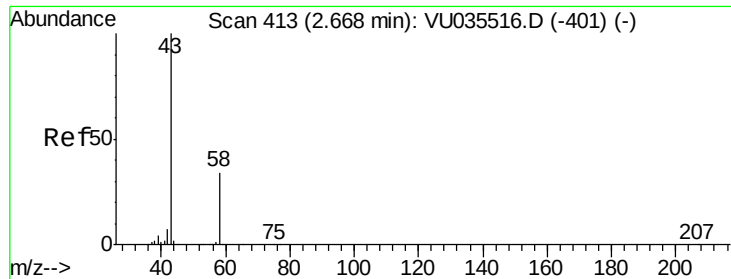


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 75.652 ug/L

RT: 2.67 min Scan# 413

Delta R.T. 0.00 min

Lab File: VU035526.D

Acq: 26 Oct 2019 18:17

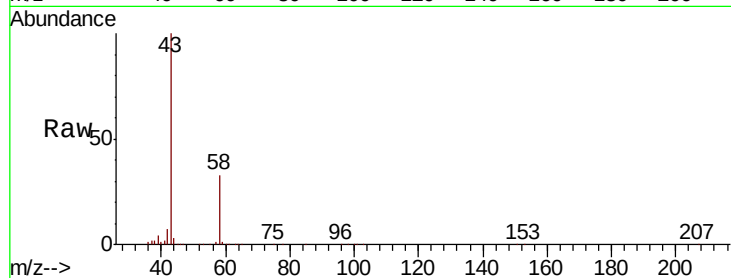
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 257954

Ion Ratio Lower Upper

43 100

58 33.2 0.0 66.6



Abundance Ion 43.00 (42.70 to 43.70): VU035526.D (-320) (-)

Ion 58.00 (57.70 to 58.70): VU035526.D (-320) (-)

2.67

150000

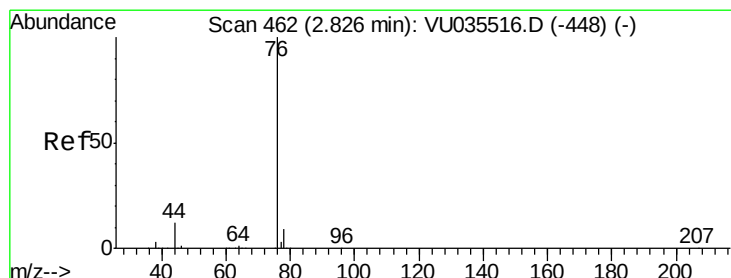
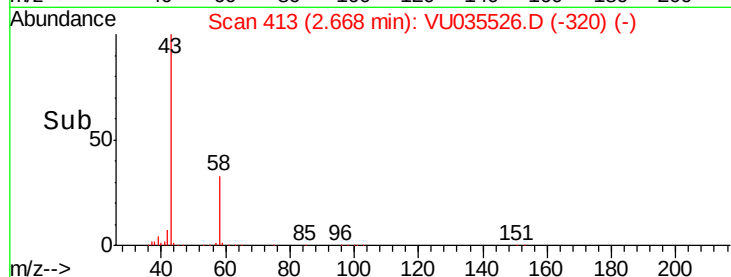
100000

50000

0

2.60 2.70 2.80

Time-->



#14

Carbon disulfide

Concen: 46.906 ug/L

RT: 2.83 min Scan# 462

Delta R.T. 0.00 min

Lab File: VU035526.D

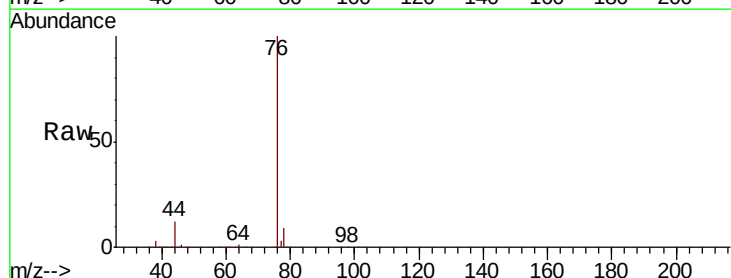
Acq: 26 Oct 2019 18:17

Tgt Ion: 76 Resp: 630970

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VU035526.D (-369) (-)

Ion 78.00 (77.70 to 78.70): VU035526.D (-369) (-)

2.83

400000

300000

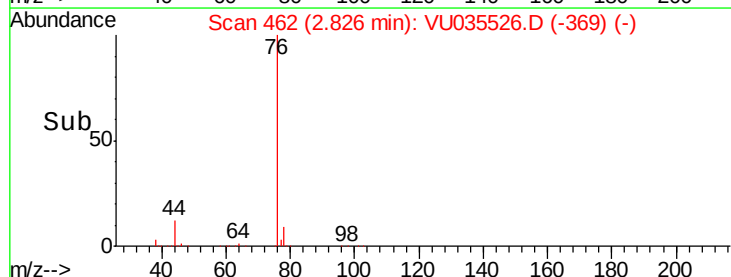
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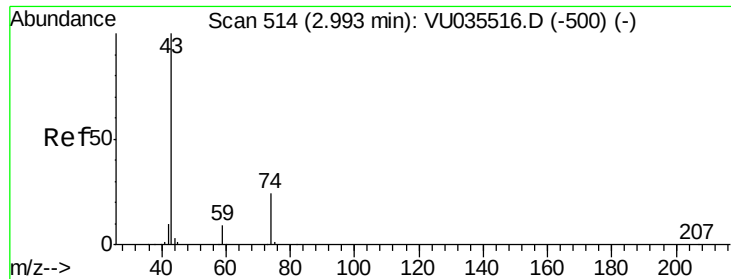
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0

2.75 2.80 2.85 2.90

Time-->

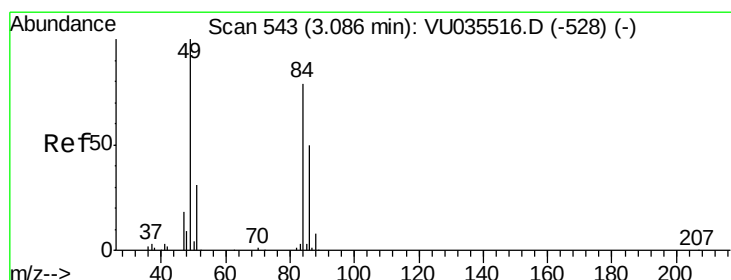
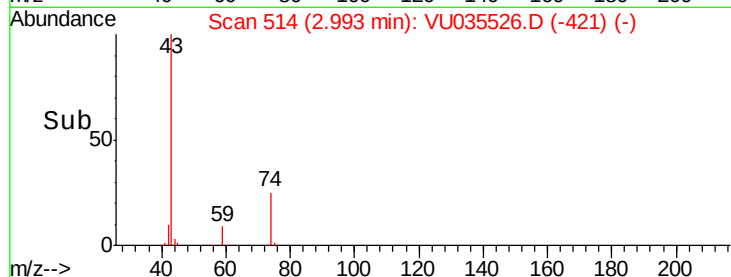
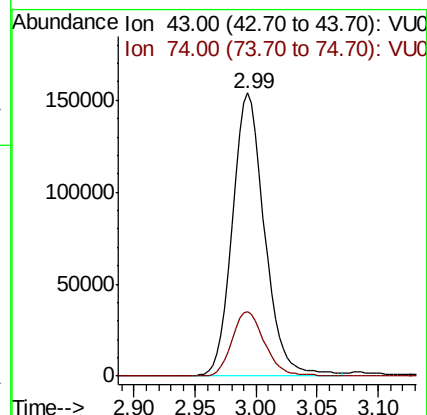
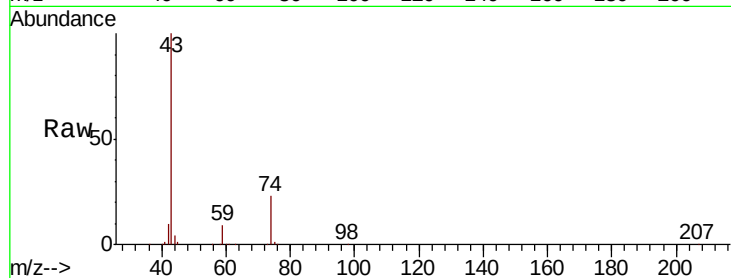




#15
Methvl Acetate
Concen: 50.304 ug/L
RT: 2.99 min Scan# 514
Delta R.T. 0.00 min
Lab File: VU035526.D
Acq: 26 Oct 2019 18:17

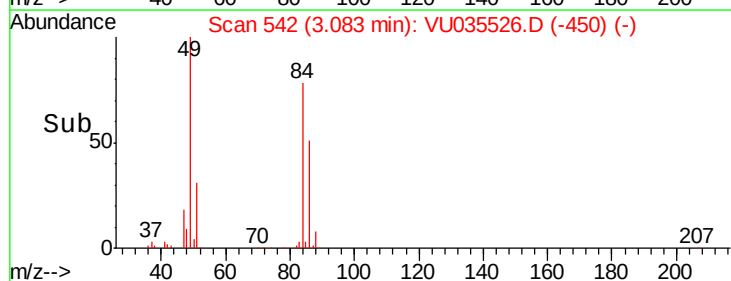
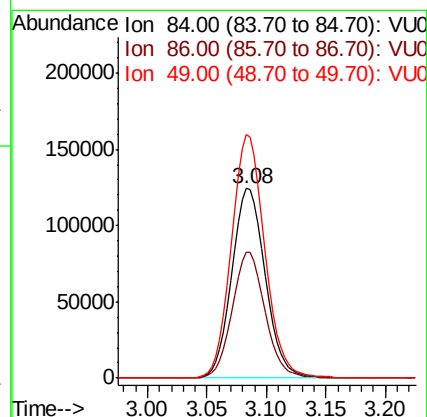
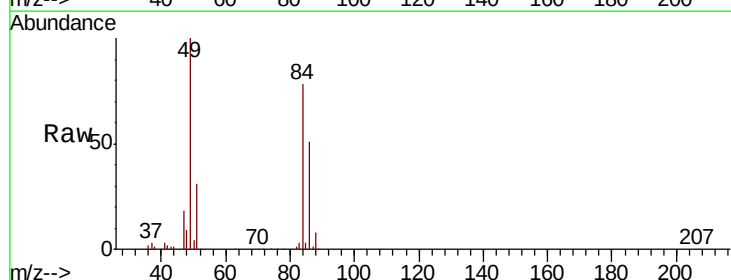
Instrument :
MSVOA_U
ClientSampleId :

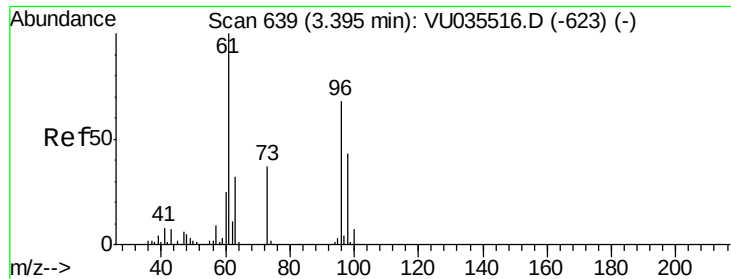
Tot Ion: 43 Resp: 281897
Ion Ratio Lower Upper
43 100
74 23.3 19.0 28.6



#16
Methylene chloride
Concen: 47.309 ug/L
RT: 3.08 min Scan# 542
Delta R.T. -0.00 min
Lab File: VU035526.D
Acq: 26 Oct 2019 18:17

Tgt Ion: 84 Resp: 243661
Ion Ratio Lower Upper
84 100
86 66.1 45.5 84.5
49 128.4 88.3 163.9





#17

trans-1,2-Dichloroethene

Concen: 48.673 ug/L

RT: 3.39 min Scan# 639

Delta R.T. 0.00 min

Lab File: VU035526.D

Acq: 26 Oct 2019 18:17

Instrument :

MSVOA_U

ClientSampleId :

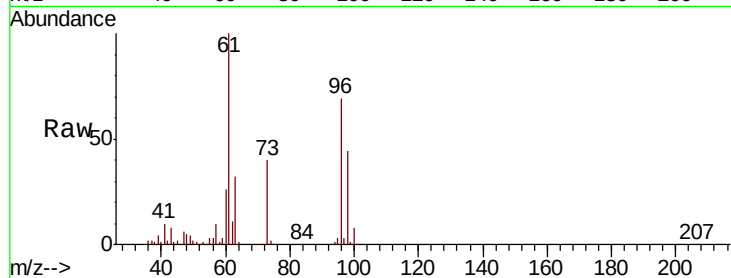
Tot Ion: 96 Resp: 215426

Ion Ratio Lower Upper

96 100

61 145.5 101.2 188.0

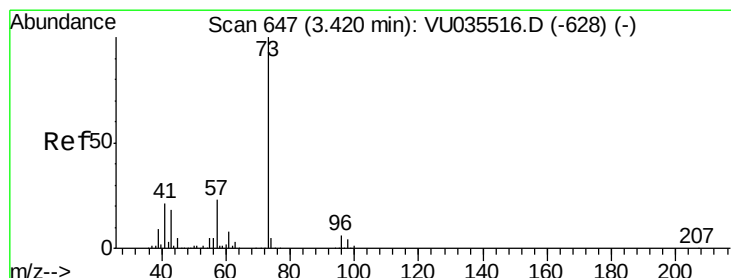
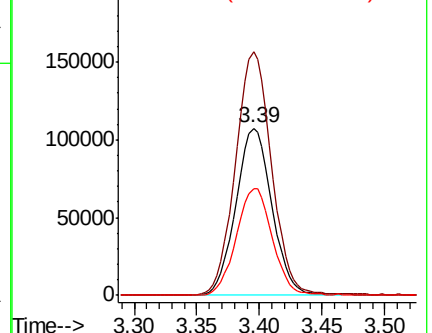
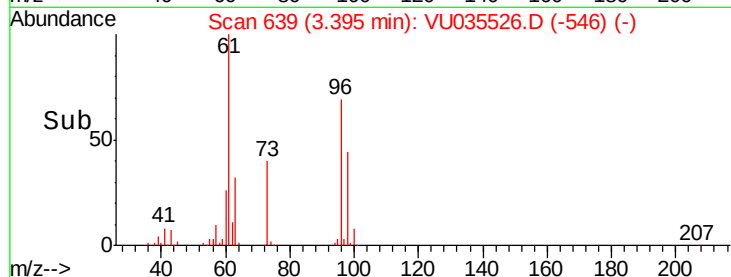
98 64.0 43.6 81.0



Abundance Ion 96.00 (95.70 to 96.70): VU035526.D (-546) (-)

Ion 61.00 (60.70 to 61.70): VU035526.D (-546) (-)

Ion 98.00 (97.70 to 98.70): VU035526.D (-546) (-)



#18

Methyl tert-butyl Ether

Concen: 49.871 ug/L

RT: 3.42 min Scan# 647

Delta R.T. 0.00 min

Lab File: VU035526.D

Acq: 26 Oct 2019 18:17

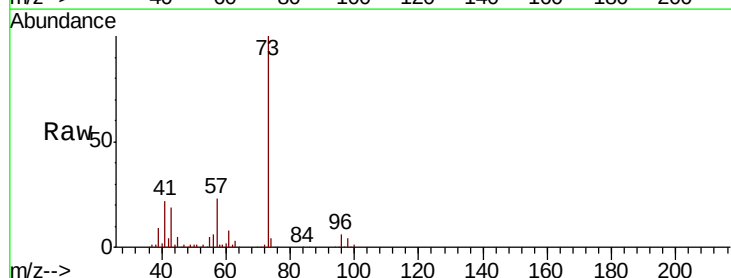
Tgt Ion: 73 Resp: 687765

Ion Ratio Lower Upper

73 100

43 18.7 15.2 22.8

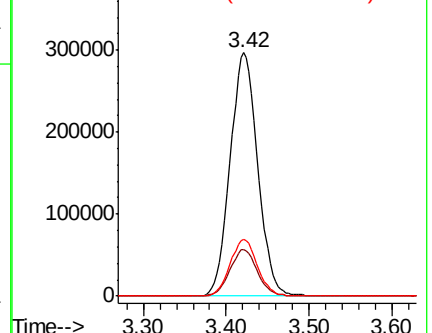
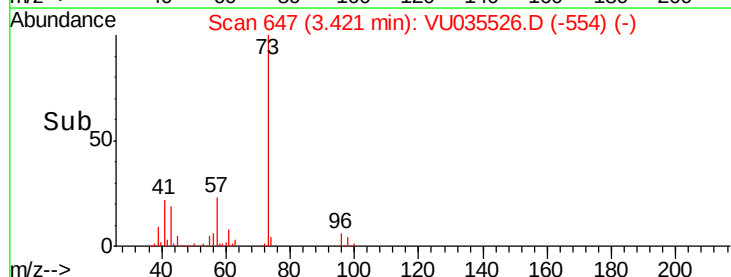
57 23.1 18.7 28.1

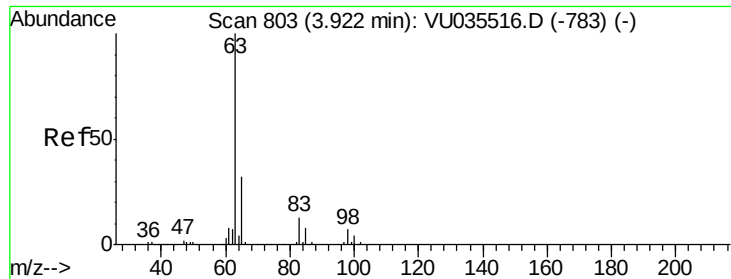


Abundance Ion 73.00 (72.70 to 73.70): VU035526.D (-554) (-)

Ion 43.00 (42.70 to 43.70): VU035526.D (-554) (-)

Ion 57.00 (56.70 to 57.70): VU035526.D (-554) (-)





#19

1,1-Dichloroethane

Concen: 47.745 ug/L

RT: 3.92 min Scan# 803

Delta R.T. 0.00 min

Lab File: VU035526.D

Acq: 26 Oct 2019 18:17

Instrument :

MSVOA_U

ClientSampled :

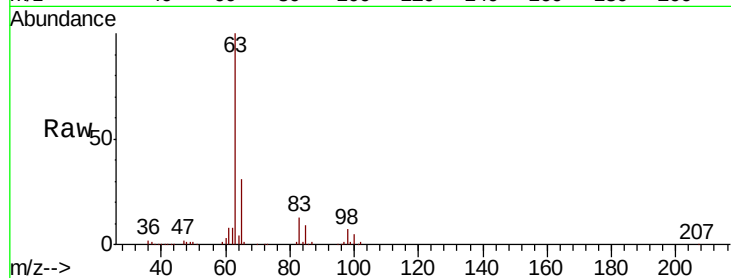
Tot Ion: 63 Resp: 433036

Ion Ratio Lower Upper

63 100

65 30.9 21.7 40.3

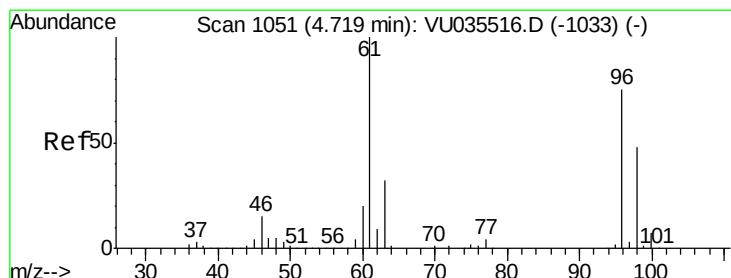
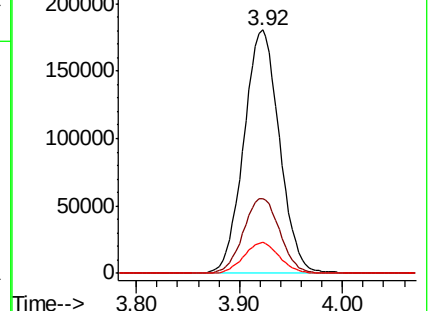
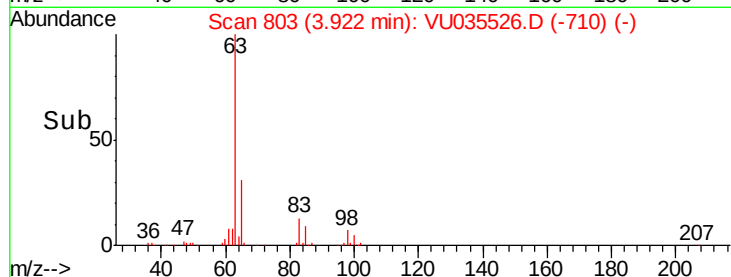
83 12.6 8.7 16.1



Abundance Ion 63.00 (62.70 to 63.70): VU035526.D (-710) (-)

Ion 65.00 (64.70 to 65.70): VU035526.D (-710) (-)

Ion 83.00 (82.70 to 83.70): VU035526.D (-710) (-)



#20

cis-1,2-Dichloroethene

Concen: 48.908 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU035526.D

Acq: 26 Oct 2019 18:17

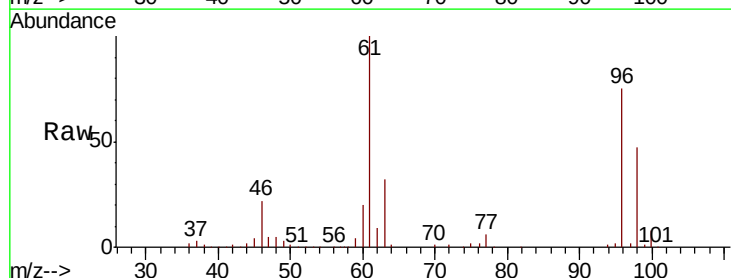
Tgt Ion: 96 Resp: 243374

Ion Ratio Lower Upper

96 100

61 133.7 93.0 172.8

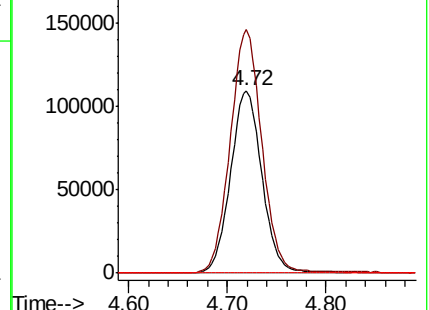
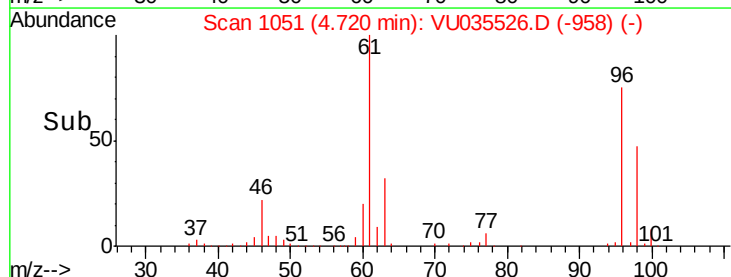
68 0.0 0.0 0.0

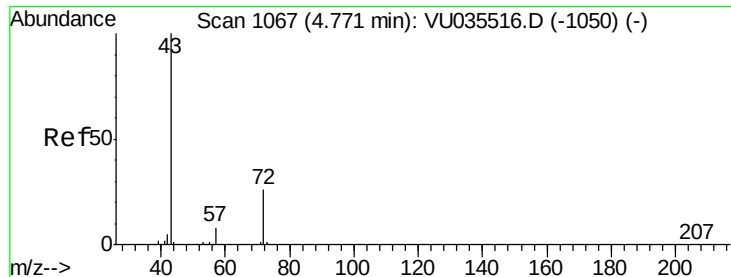


Abundance Ion 96.00 (95.70 to 96.70): VU035526.D (-958) (-)

Ion 61.00 (60.70 to 61.70): VU035526.D (-958) (-)

Ion 68.00 (67.70 to 68.70): VU035526.D (-958) (-)





#22

2-Butanone

Concen: 94.901 ug/L

RT: 4.77 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VU035526.D

Acq: 26 Oct 2019 18:17

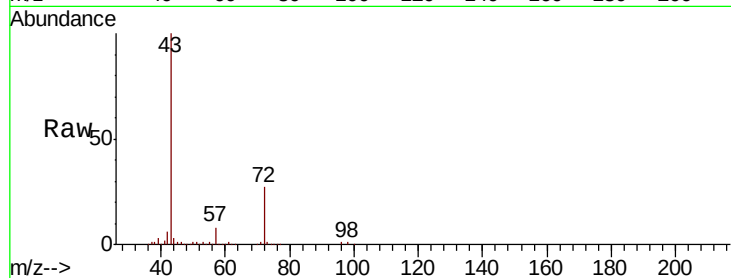
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 404921

Ion Ratio Lower Upper

43 100

72 25.9 13.4 40.1



Abundance Ion 43.00 (42.70 to 43.70): VU035526.D (-974) (-)

Ion 72.00 (71.70 to 72.70): VU035526.D (-974) (-)

4.77

200000

150000

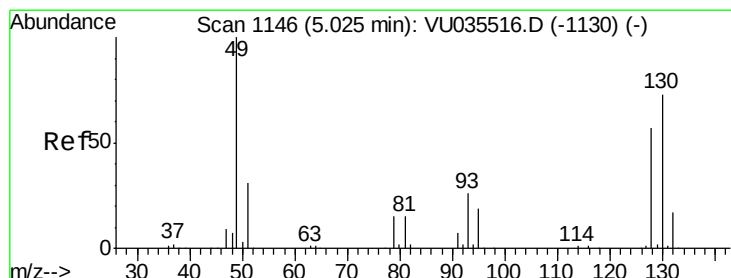
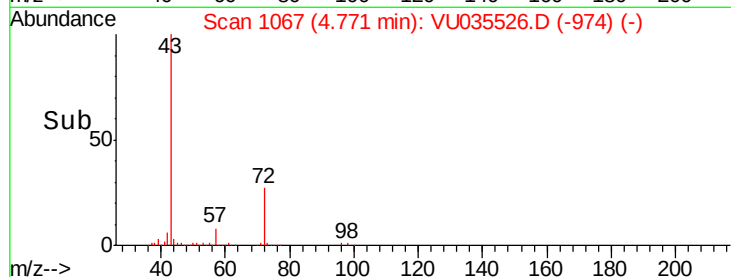
100000

50000

0

Time-->

4.70 4.80 4.90



#23

Bromochloromethane

Concen: 48.062 ug/L

RT: 5.03 min Scan# 1146

Delta R.T. 0.00 min

Lab File: VU035526.D

Acq: 26 Oct 2019 18:17

Tgt Ion: 128 Resp: 121883

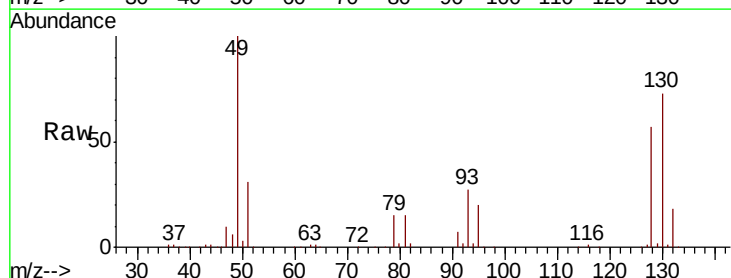
Ion Ratio Lower Upper

128 100

49 175.7 121.1 224.9

130 128.7 89.0 165.2

51 54.8 43.8 65.8



Abundance Ion 128.00 (127.70 to 128.70): VU035526.D (-1053) (-)

Ion 49.00 (48.70 to 49.70): VU035526.D (-1053) (-)

Ion 130.00 (129.70 to 130.70): VU035526.D (-1053) (-)

Ion 51.00 (50.70 to 51.70): VU035526.D (-1053) (-)

150000

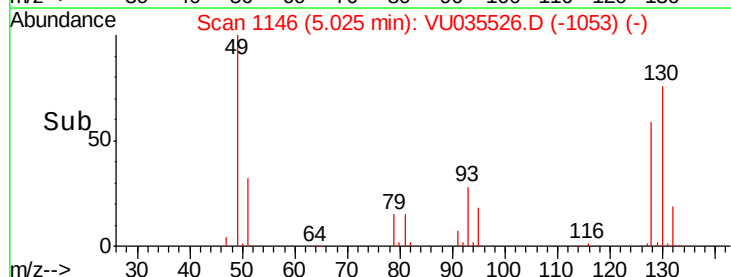
100000

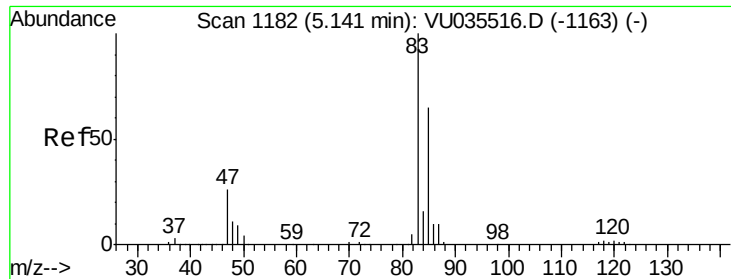
50000

0

Time-->

4.95 5.00 5.05 5.10

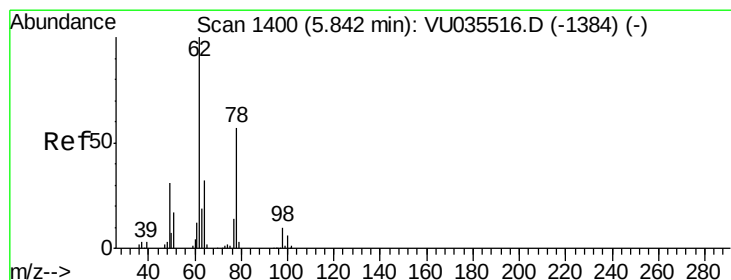
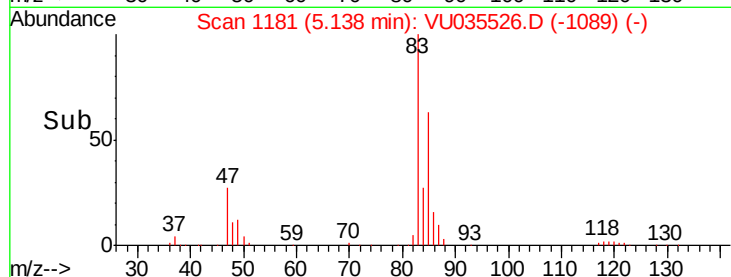
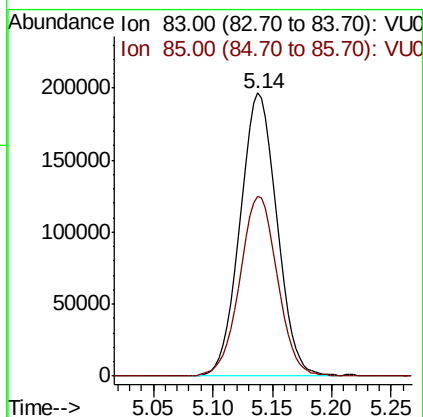
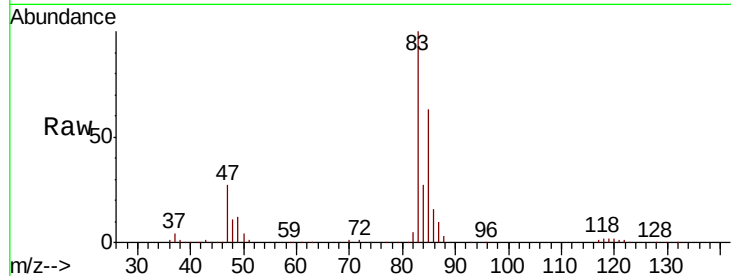




#25
Chloroform
Concen: 47.275 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VU035526.D
Acq: 26 Oct 2019 18:17

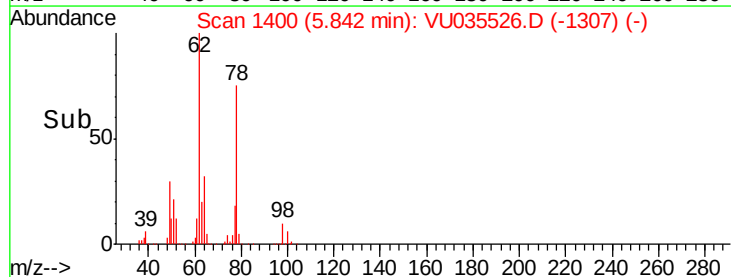
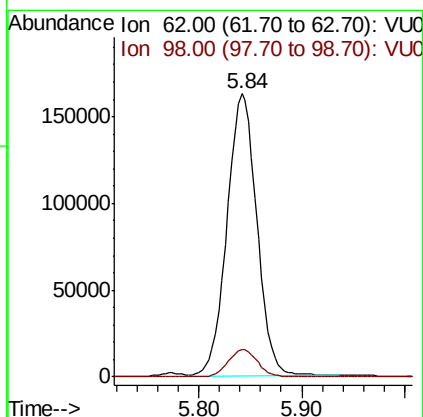
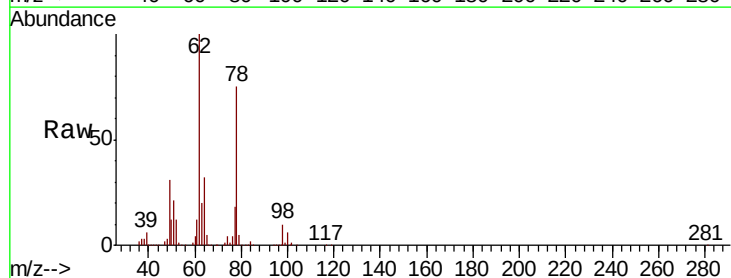
Instrument :
MSVOA_U
ClientSampleId :

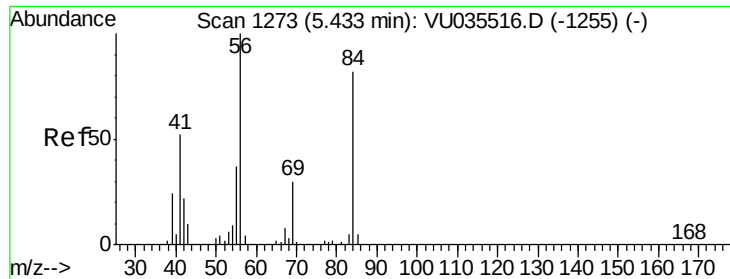
Tot Ion: 83 Resp: 422938
Ion Ratio Lower Upper
83 100
85 63.3 45.1 83.9



#27
1,2-Dichloroethane
Concen: 47.741 ug/L
RT: 5.84 min Scan# 1400
Delta R.T. 0.00 min
Lab File: VU035526.D
Acq: 26 Oct 2019 18:17

Tgt Ion: 62 Resp: 328876
Ion Ratio Lower Upper
62 100
98 9.7 7.8 11.6

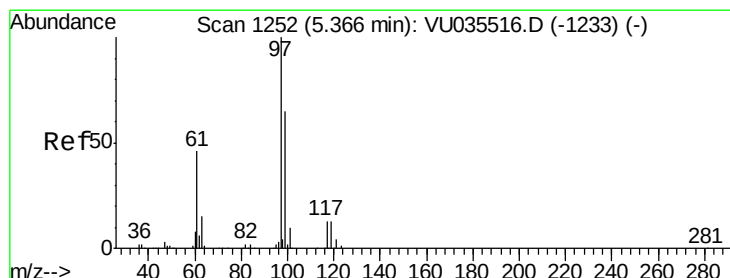
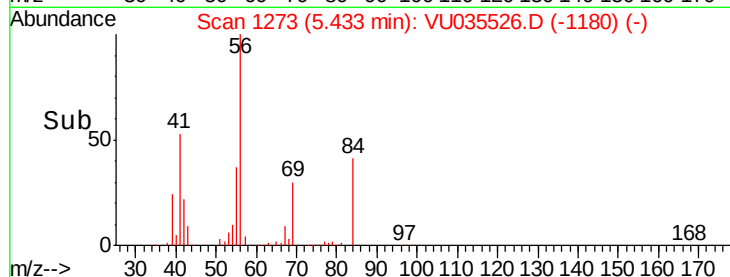
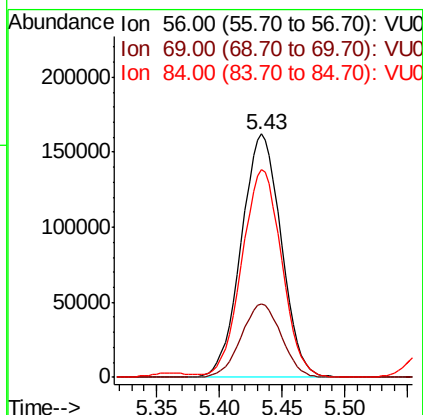
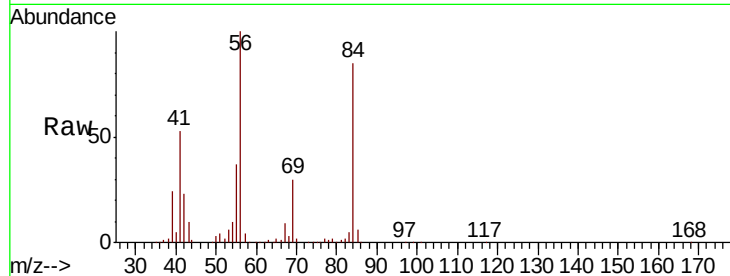




#29
Cyclohexane
Concen: 51.022 ug/L
RT: 5.43 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VU035526.D
Acq: 26 Oct 2019 18:17

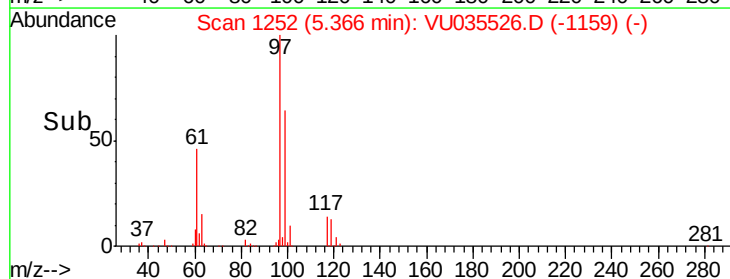
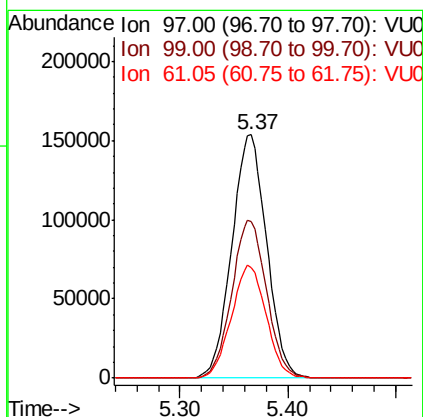
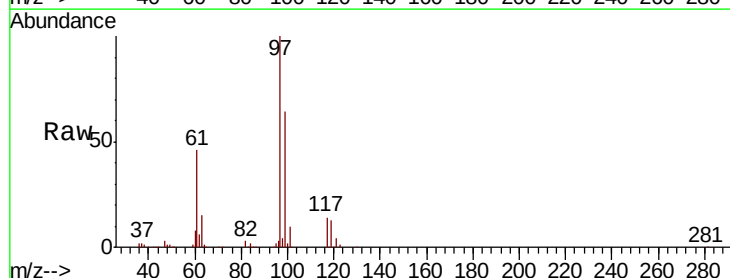
Instrument :
MSVOA_U
ClientSampleId :

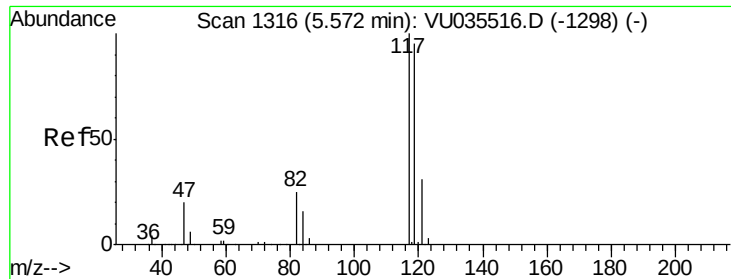
Tot Ion	Ratio	Lower	Upper
56	100		
69	30.3	23.7	35.5
84	85.0	67.7	101.5



#30
1,1,1-Trichloroethane
Concen: 49.866 ug/L
RT: 5.37 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VU035526.D
Acq: 26 Oct 2019 18:17

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.6	77.4
61	46.0	37.3	55.9

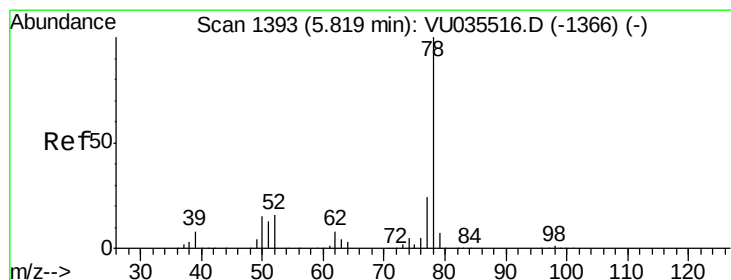
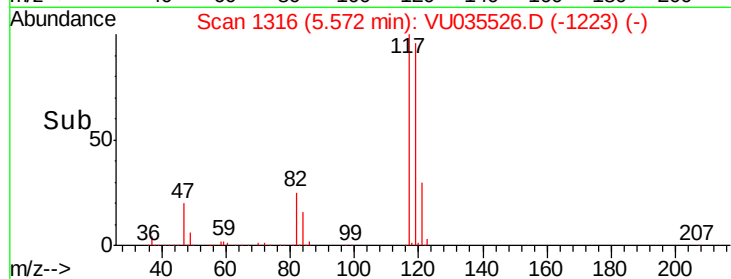
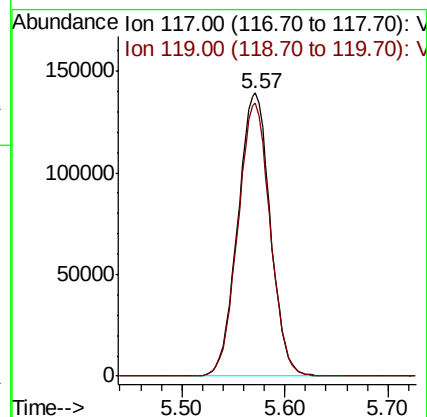
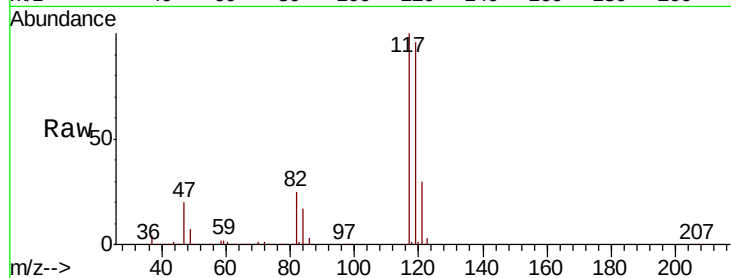




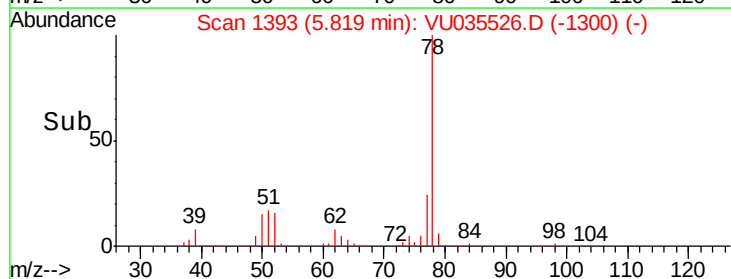
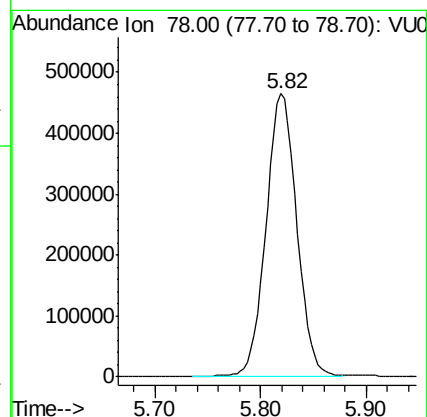
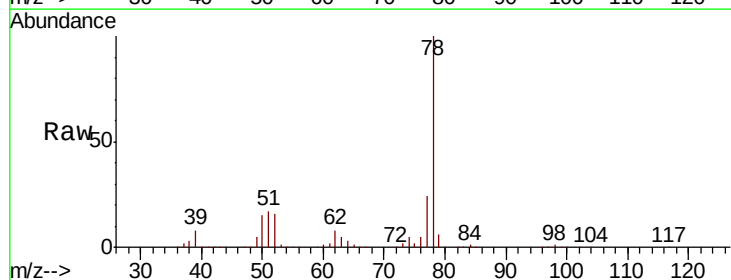
#31
Carbon tetrachloride
Concen: 50.021 ug/L
RT: 5.57 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VU035526.D
Acq: 26 Oct 2019 18:17

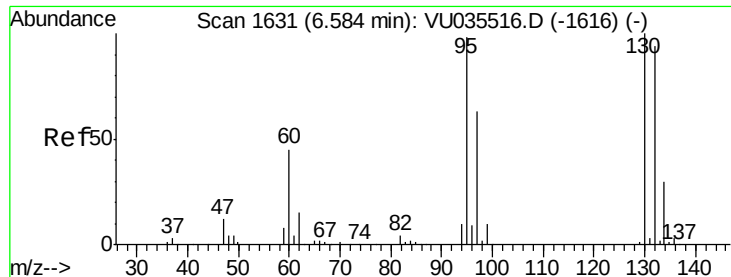
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 304569
Ion Ratio Lower Upper
117 100
119 96.0 77.8 116.6



#33
Benzene
Concen: 50.410 ug/L
RT: 5.82 min Scan# 1393
Delta R.T. 0.00 min
Lab File: VU035526.D
Acq: 26 Oct 2019 18:17
Tgt Ion: 78 Resp: 946771

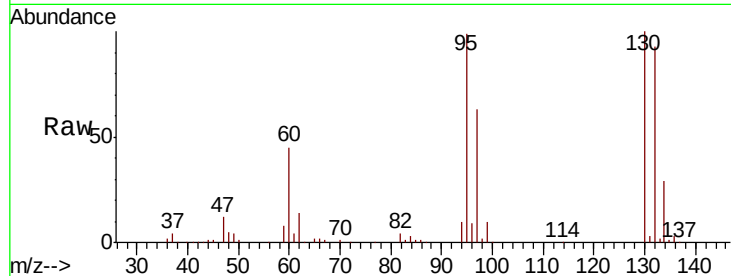




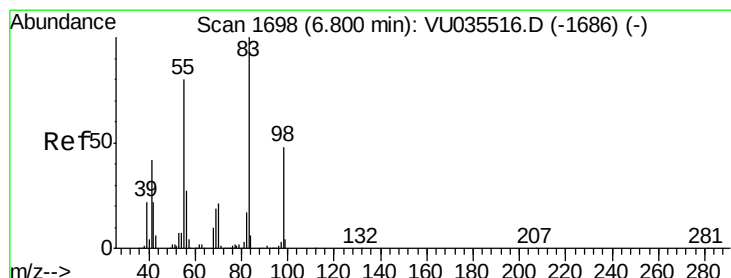
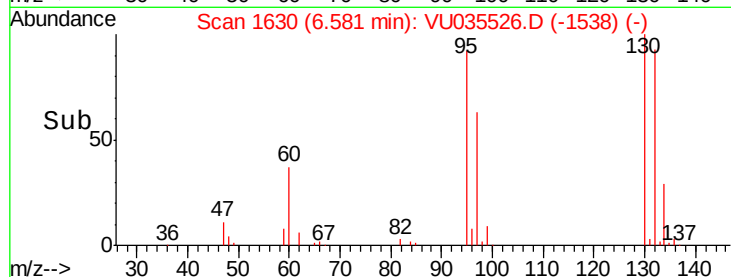
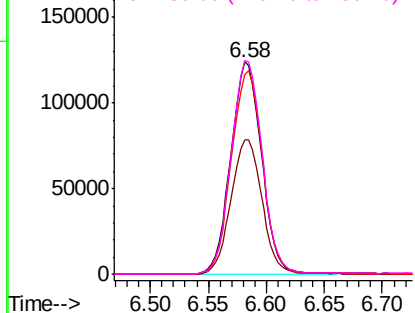
#34
 Trichloroethene
 Concen: 49.796 ug/L
 RT: 6.58 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: VU035526.D
 Acq: 26 Oct 2019 18:17

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 229641
 Ion Ratio Lower Upper
 95 100
 97 63.7 45.1 83.7
 132 94.1 67.2 124.8
 130 100.7 70.6 131.0

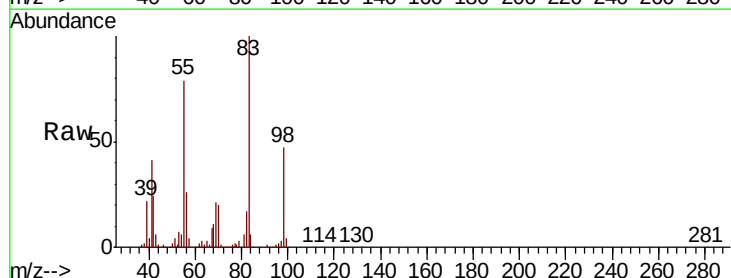


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

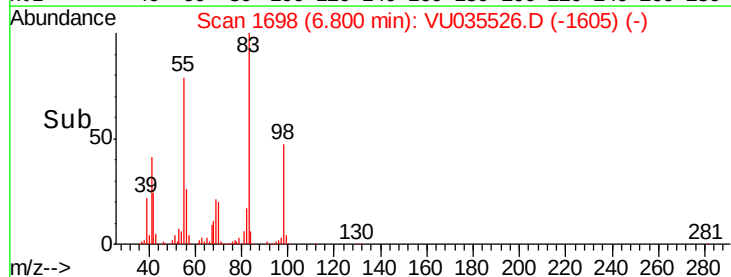
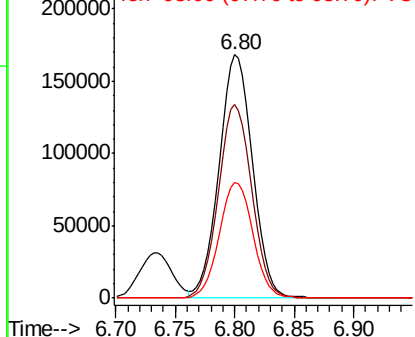


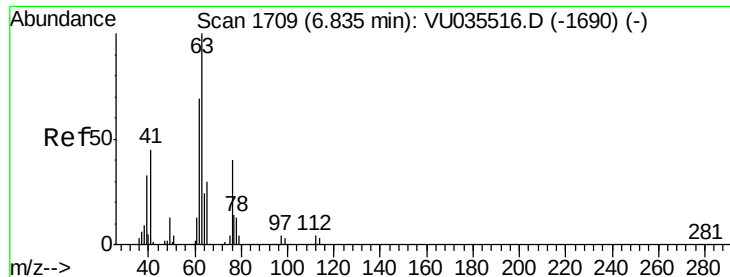
#35
 Methylcyclohexane
 Concen: 51.111 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VU035526.D
 Acq: 26 Oct 2019 18:17

Tgt Ion: 83 Resp: 327893
 Ion Ratio Lower Upper
 83 100
 55 79.3 65.1 97.7
 98 47.9 38.9 58.3



Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 55.00 (54.70 to 55.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0

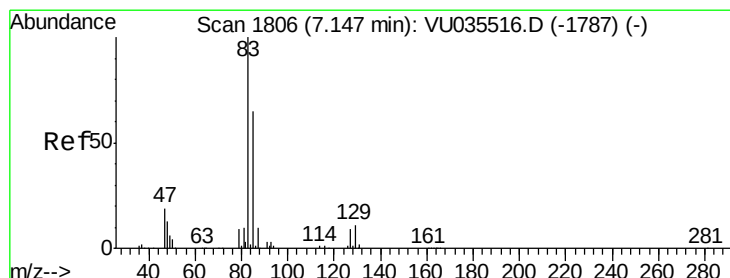
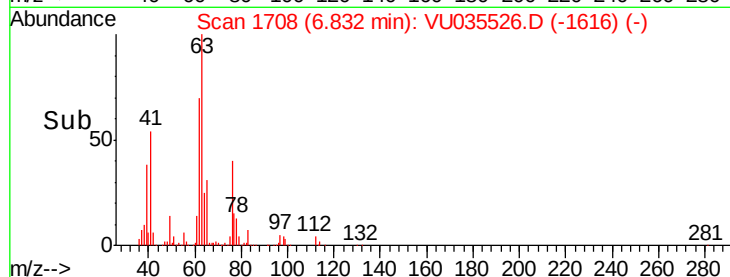
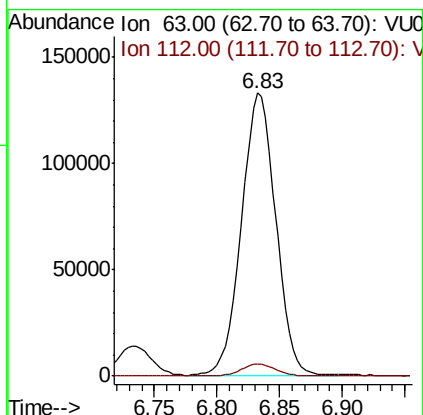
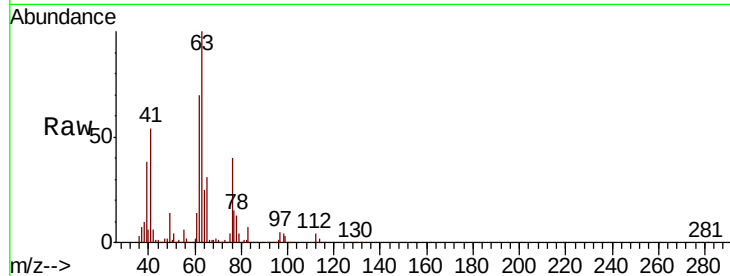




#37
 1,2-Dichloropropane
 Concen: 49.241 ug/L
 RT: 6.83 min Scan# 1708
 Delta R.T. -0.00 min
 Lab File: VU035526.D
 Acq: 26 Oct 2019 18:17

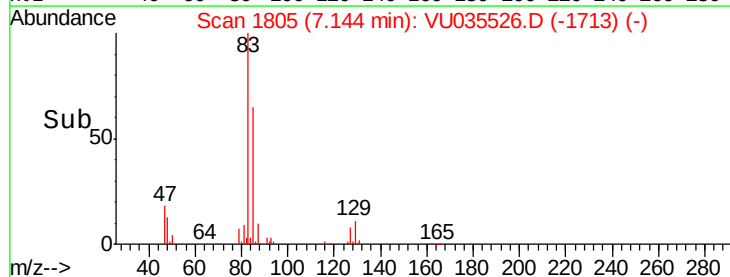
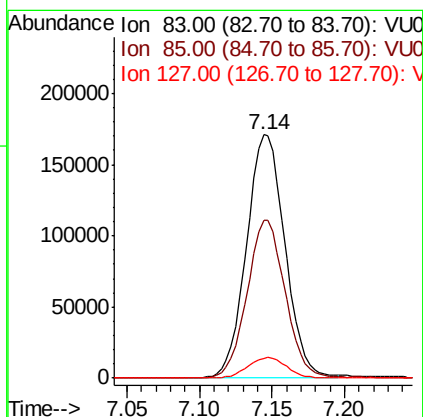
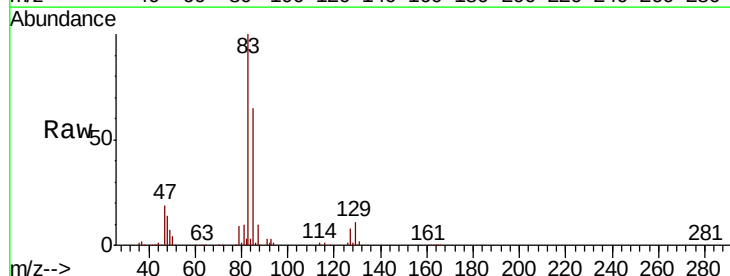
Instrument :
 MSVOA_U
 ClientSampled :

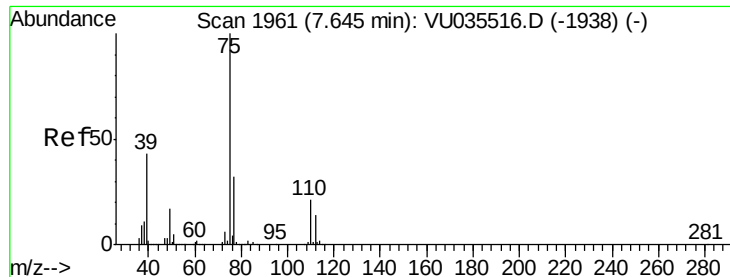
Tot Ion: 63 Resp: 252794
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.4 5.0



#38
 Bromodichloromethane
 Concen: 49.365 ug/L
 RT: 7.14 min Scan# 1805
 Delta R.T. -0.00 min
 Lab File: VU035526.D
 Acq: 26 Oct 2019 18:17

Tgt Ion: 83 Resp: 315252
 Ion Ratio Lower Upper
 83 100
 85 64.9 45.6 84.6
 127 8.2 6.6 10.0

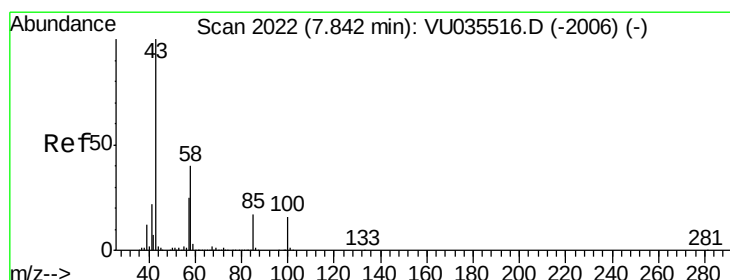
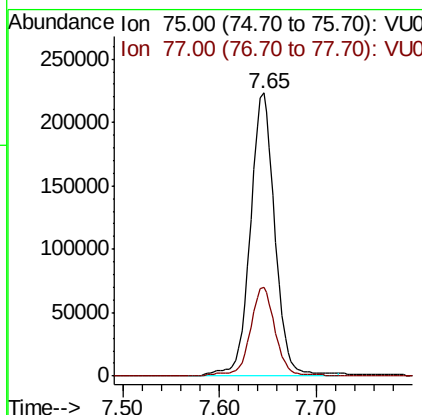
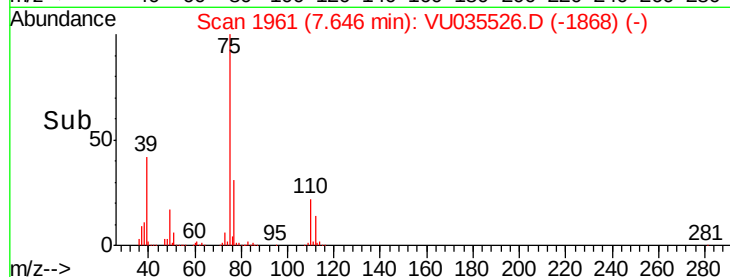
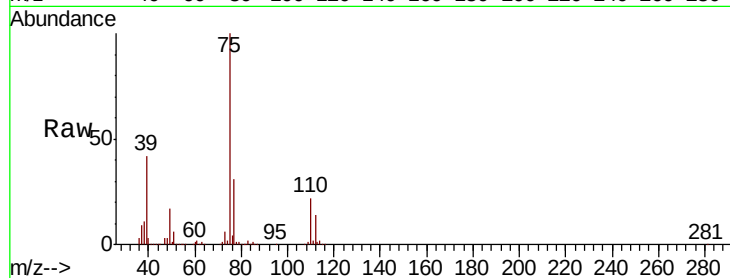




#39
 cis-1,3-Dichloropropene
 Concen: 51.902 ug/L
 RT: 7.65 min Scan# 1961
 Delta R.T. 0.00 min
 Lab File: VU035526.D
 Acq: 26 Oct 2019 18:17

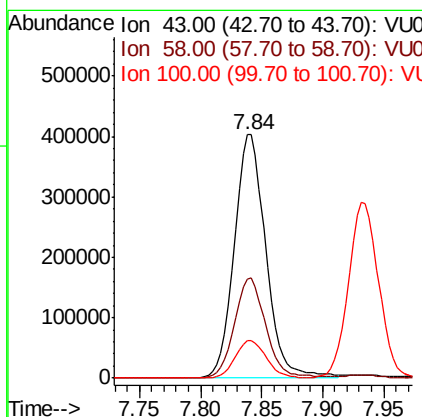
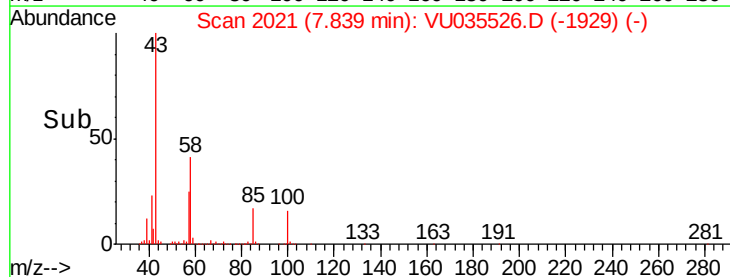
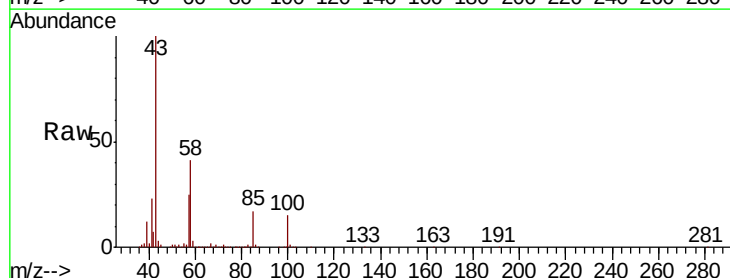
Instrument :
 MSVOA_U
 ClientSampleId :

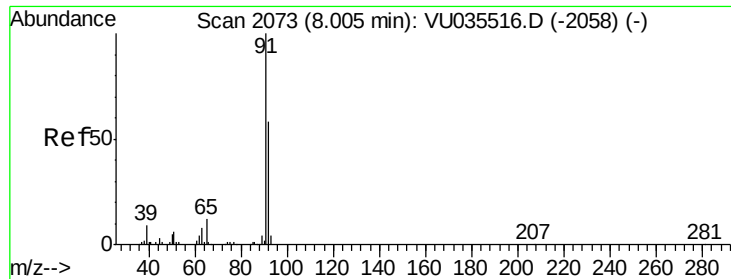
Tot Ion: 75 Resp: 394269
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 102.953 ug/L
 RT: 7.84 min Scan# 2021
 Delta R.T. -0.00 min
 Lab File: VU035526.D
 Acq: 26 Oct 2019 18:17

Tgt Ion: 43 Resp: 720810
 Ion Ratio Lower Upper
 43 100
 58 40.9 31.9 47.9
 100 15.4 12.3 18.5





#42

Toluene

Concen: 51.179 ug/L

RT: 8.01 min Scan# 2073

Delta R.T. 0.00 min

Lab File: VU035526.D

Acq: 26 Oct 2019 18:17

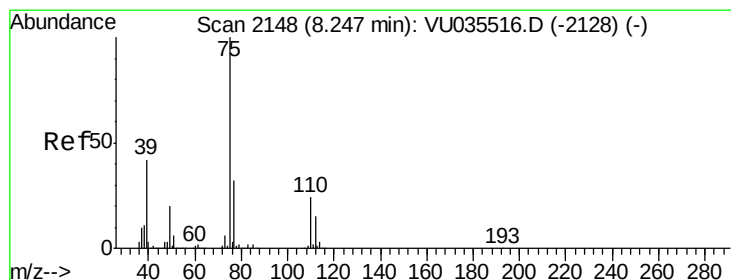
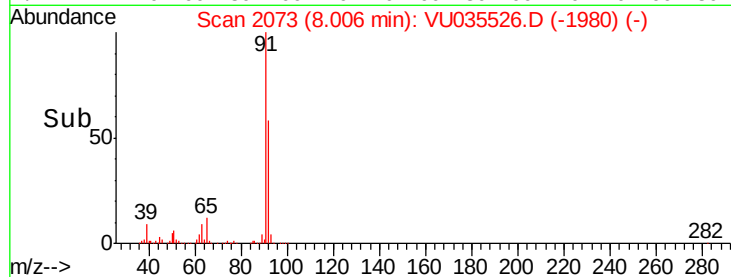
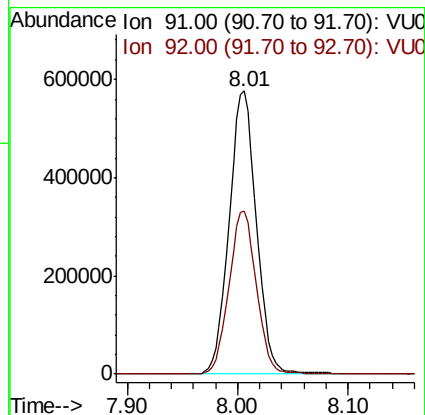
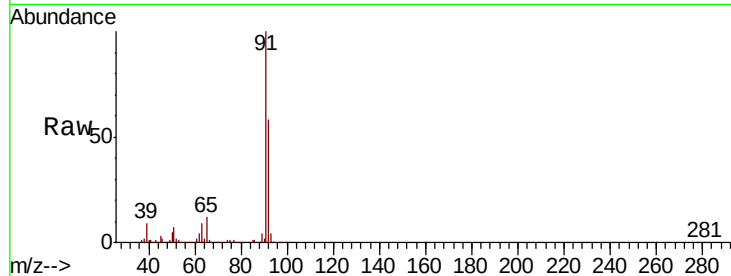
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 991346

Ion Ratio Lower Upper

91 100

92 57.6 41.0 76.2



#44

trans-1,3-Dichloropropene

Concen: 50.862 ug/L

RT: 8.25 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VU035526.D

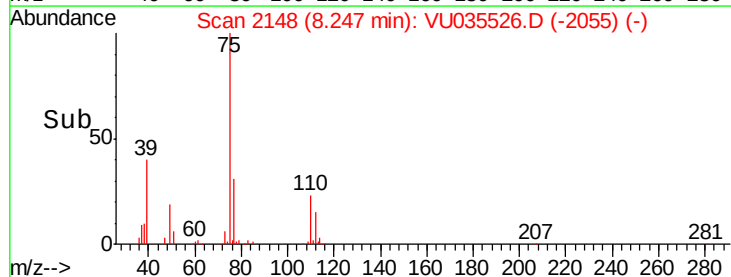
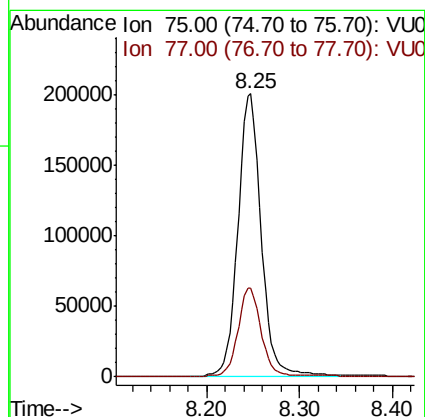
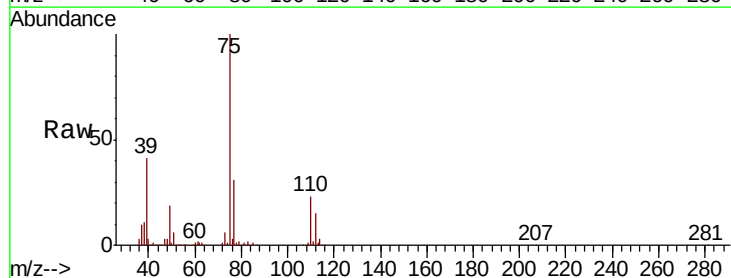
Acq: 26 Oct 2019 18:17

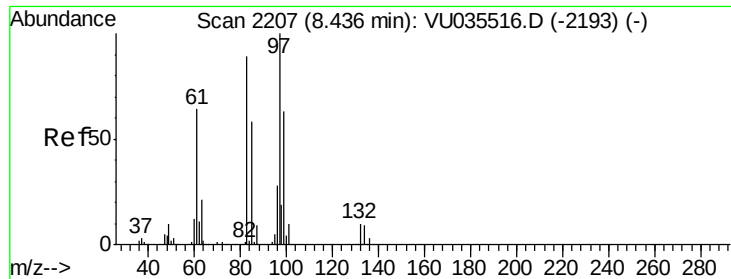
Tgt Ion: 75 Resp: 352519

Ion Ratio Lower Upper

75 100

77 31.4 21.9 40.7

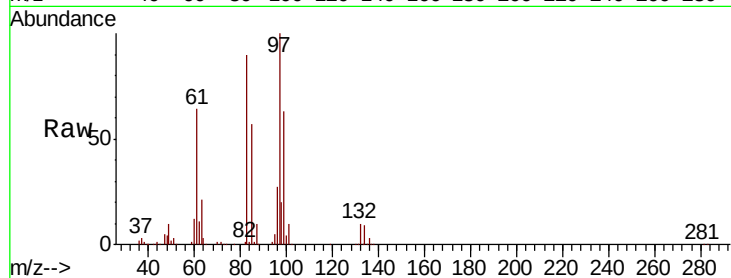




#45
1,1,2-Trichloroethane
Concen: 49.164 ug/L
RT: 8.44 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VU035526.D
Acq: 26 Oct 2019 18:17

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	97	Resp:	230829
Ion	Ratio	Lower	Upper
97	100		
99	62.5	42.7	79.3
83	90.1	61.7	114.5
85	56.7	40.3	74.8

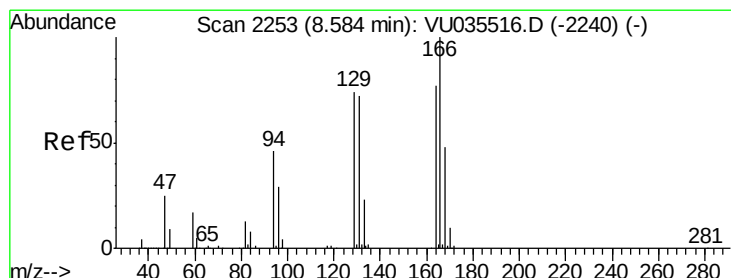
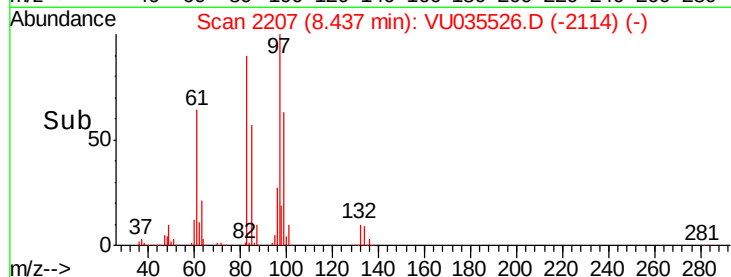
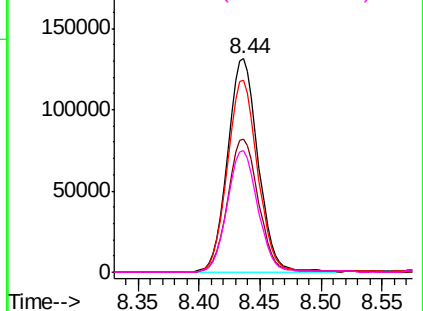


Abundance Ion 97.00 (96.70 to 97.70): VU035526.D (-2193) (-)

Ion 99.00 (98.70 to 99.70): VU035526.D (-2193) (-)

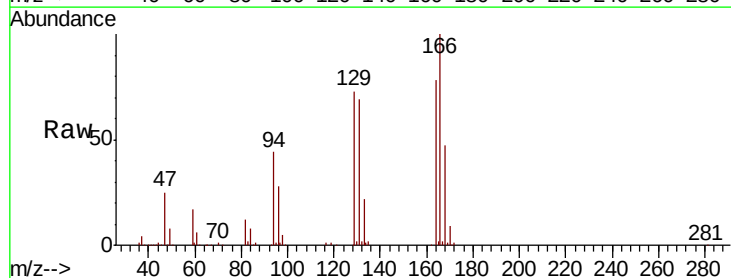
Ion 83.00 (82.70 to 83.70): VU035526.D (-2193) (-)

Ion 85.00 (84.70 to 85.70): VU035526.D (-2193) (-)



#46
Tetrachloroethene
Concen: 49.318 ug/L
RT: 8.58 min Scan# 2253
Delta R.T. 0.00 min
Lab File: VU035526.D
Acq: 26 Oct 2019 18:17

Tgt Ion:	164	Resp:	177825
Ion	Ratio	Lower	Upper
164	100		
129	94.1	65.9	122.3
131	88.9	63.6	118.0
166	128.7	89.8	166.8

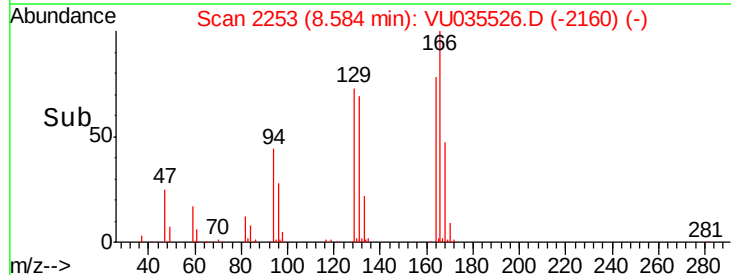
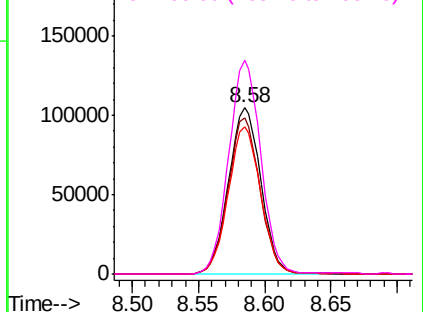


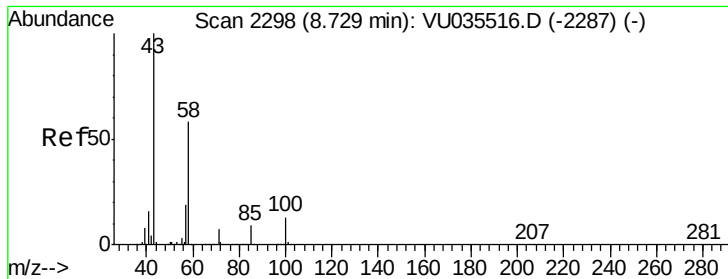
Abundance Ion 164.00 (163.70 to 164.70): VU035526.D (-2240) (-)

Ion 129.00 (128.70 to 129.70): VU035526.D (-2240) (-)

Ion 131.00 (130.70 to 131.70): VU035526.D (-2240) (-)

Ion 166.00 (165.70 to 166.70): VU035526.D (-2240) (-)

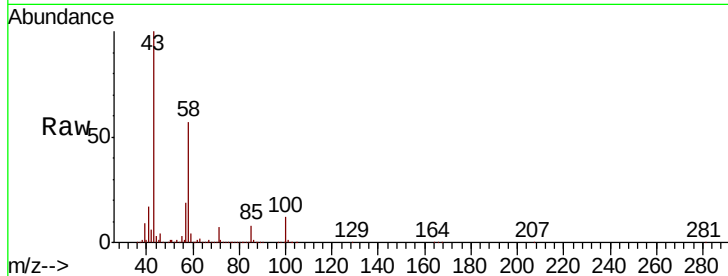




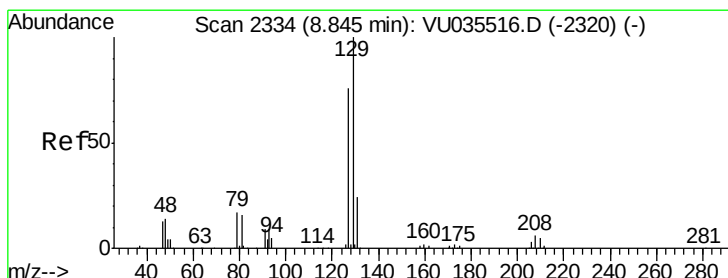
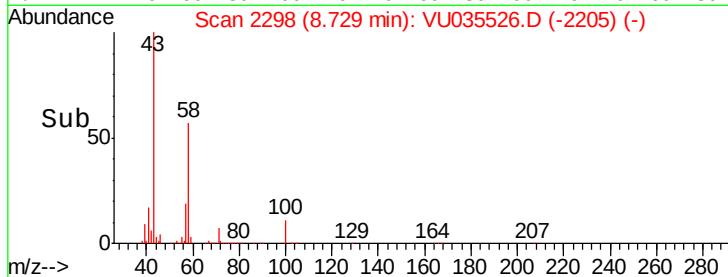
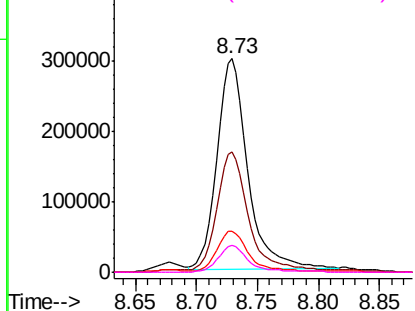
#48
2-Hexanone
Concen: 92.341 ug/L
RT: 8.73 min Scan# 2298
Delta R.T. 0.00 min
Lab File: VU035526.D
Acq: 26 Oct 2019 18:17

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:	43	Resp:	529413
Ion	Ratio	Lower	Upper
43	100		
58	61.2	45.6	68.4
57	19.4	14.1	21.1
100	12.7	9.2	13.8

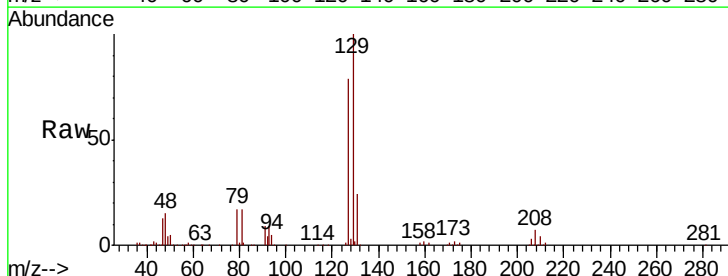


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

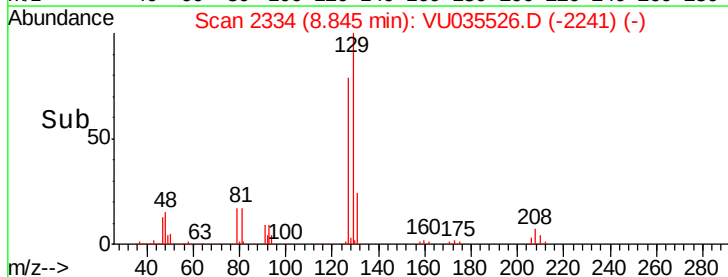
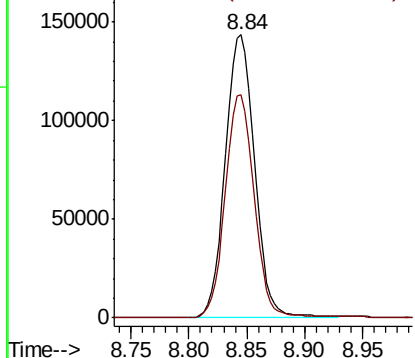


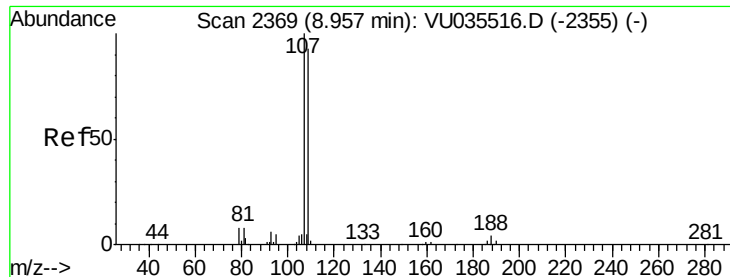
#49
Dibromochloromethane
Concen: 49.607 ug/L
RT: 8.84 min Scan# 2334
Delta R.T. 0.00 min
Lab File: VU035526.D
Acq: 26 Oct 2019 18:17

Tgt Ion:	129	Resp:	251549
Ion	Ratio	Lower	Upper
129	100		
127	78.9	53.7	99.7



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





#50

1,2-Dibromoethane

Concen: 50.150 ug/L

RT: 8.96 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VU035526.D

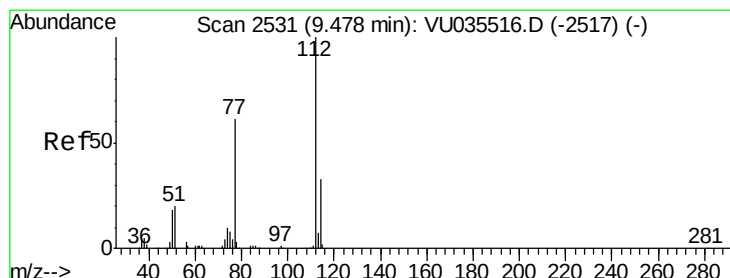
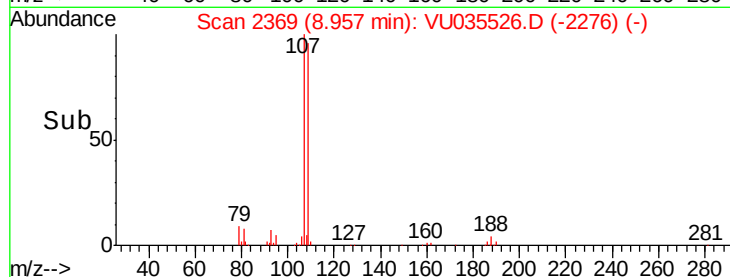
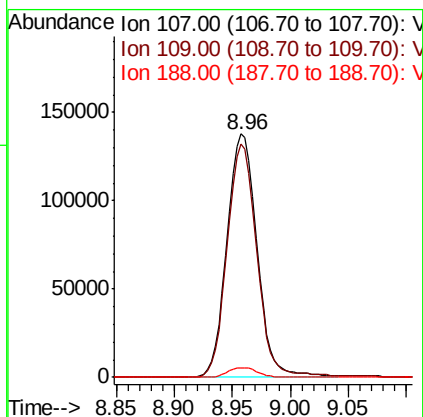
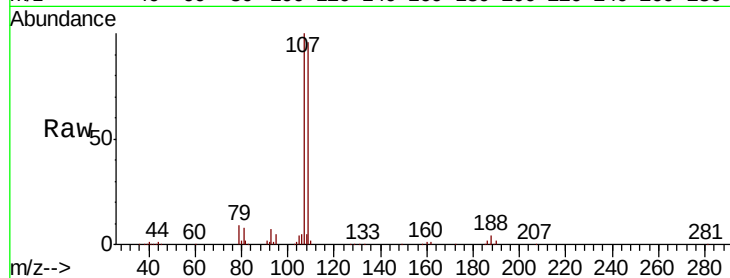
Acq: 26 Oct 2019 18:17

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:	107	Resp:	247717
Ion	Ratio	Lower	Upper
107	100		
109	95.9	65.7	122.1
188	3.9	3.1	4.7



#51

Chlorobenzene

Concen: 49.642 ug/L

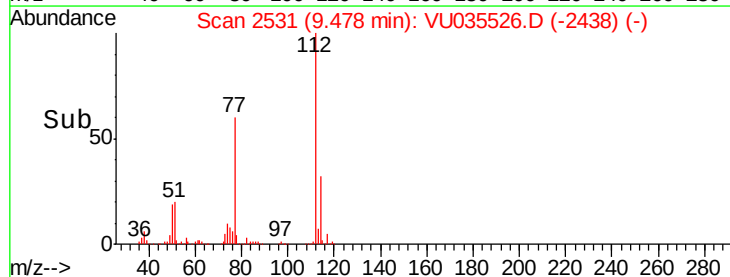
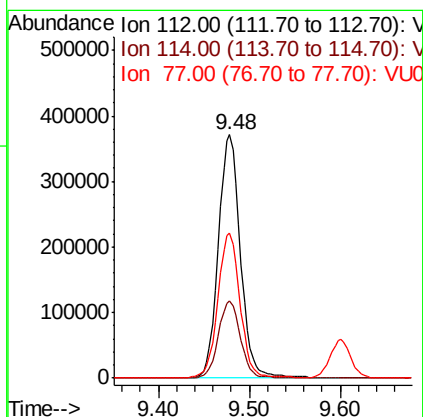
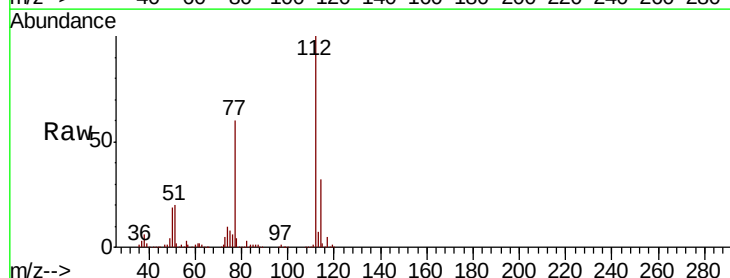
RT: 9.48 min Scan# 2531

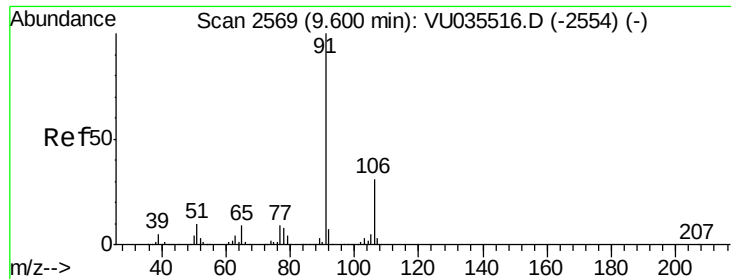
Delta R.T. 0.00 min

Lab File: VU035526.D

Acq: 26 Oct 2019 18:17

Tgt Ion:	112	Resp:	624663
Ion	Ratio	Lower	Upper
112	100		
114	31.6	22.1	41.1
77	59.5	46.7	70.1





#52

Ethylbenzene

Concen: 51.397 ug/L

RT: 9.60 min Scan# 2569

Delta R.T. 0.00 min

Lab File: VU035526.D

Acq: 26 Oct 2019 18:17

Instrument :

MSVOA_U

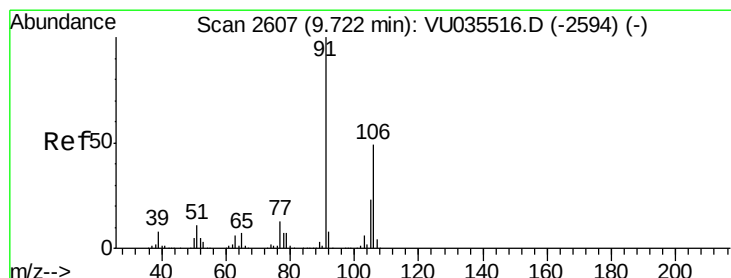
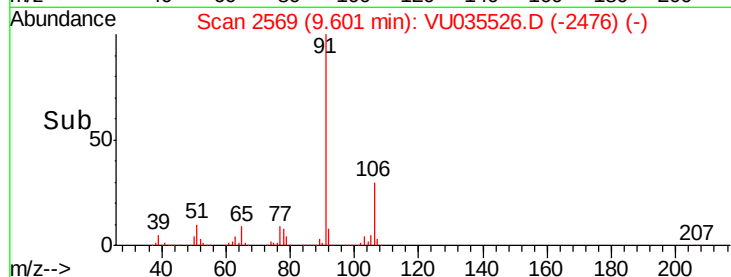
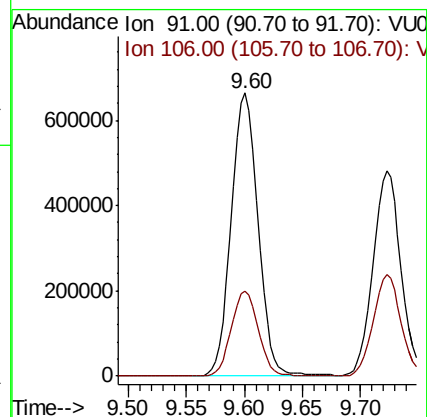
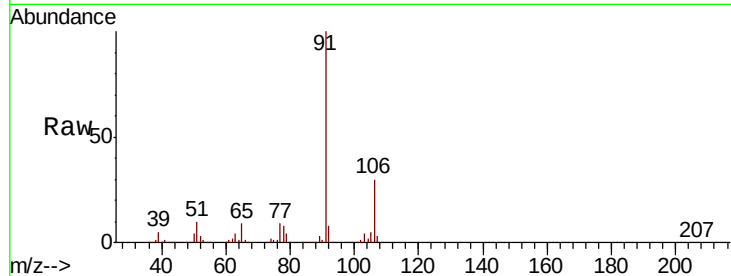
ClientSampled :

Tot Ion: 91 Resp: 1060681

Ion Ratio Lower Upper

91 100

106 30.2 21.6 40.0



#53

m,p-Xylene

Concen: 52.415 ug/L

RT: 9.72 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VU035526.D

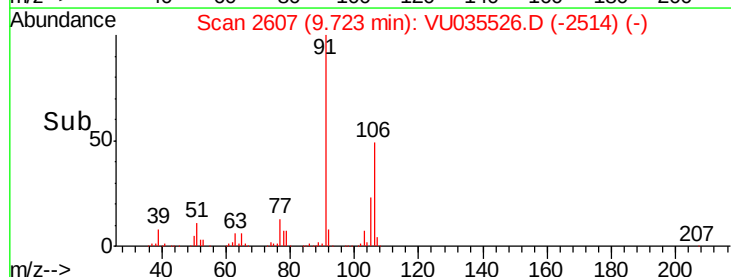
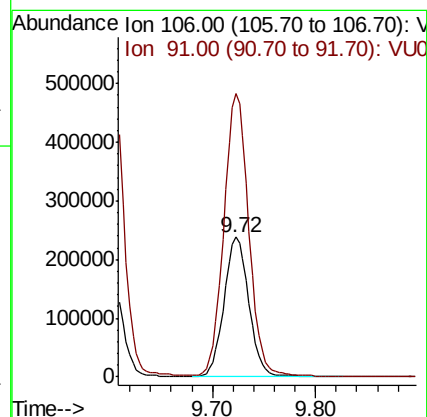
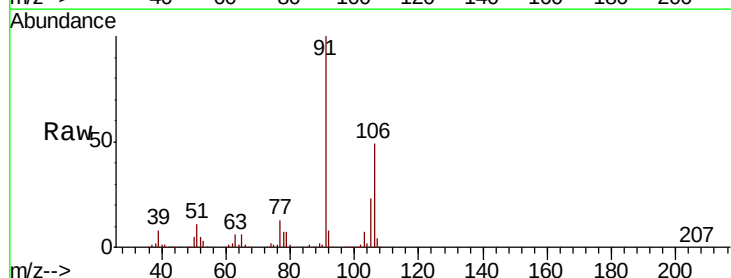
Acq: 26 Oct 2019 18:17

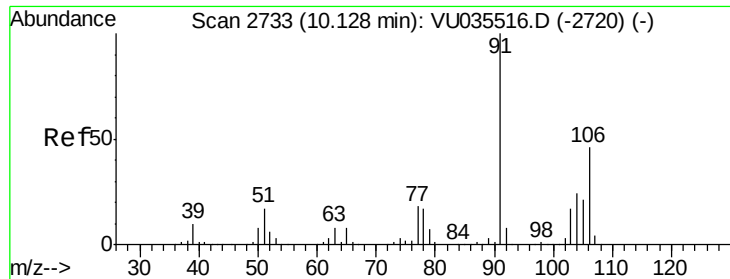
Tgt Ion: 106 Resp: 400945

Ion Ratio Lower Upper

106 100

91 202.9 141.7 263.3





#54

o-xylene

Concen: 52.072 ug/L

RT: 10.13 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU035526.D

Acq: 26 Oct 2019 18:17

Instrument :

MSVOA_U

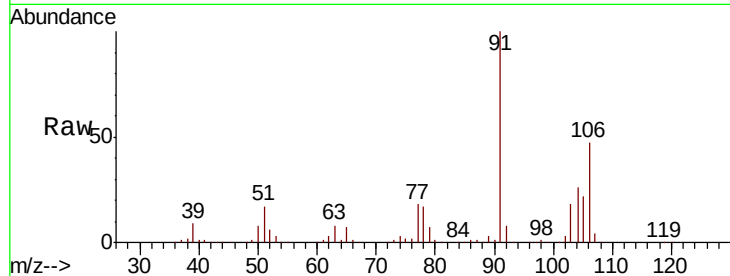
ClientSampled :

Tot Ion:106 Resp: 389769

Ion Ratio Lower Upper

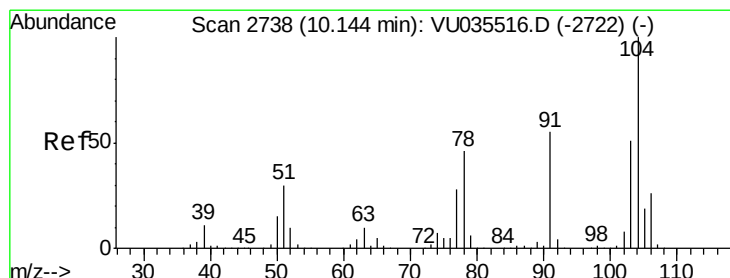
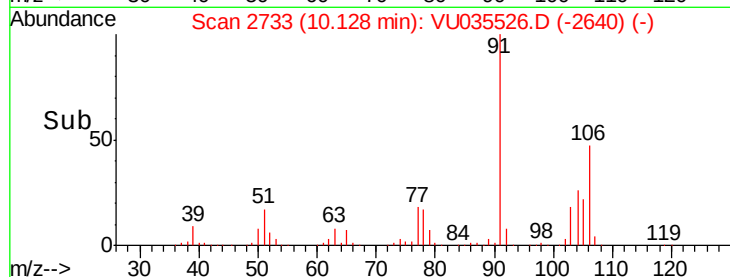
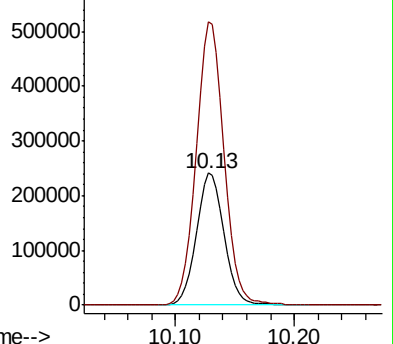
106 100

91 214.0 150.3 279.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 53.606 ug/L

RT: 10.14 min Scan# 2738

Delta R.T. 0.00 min

Lab File: VU035526.D

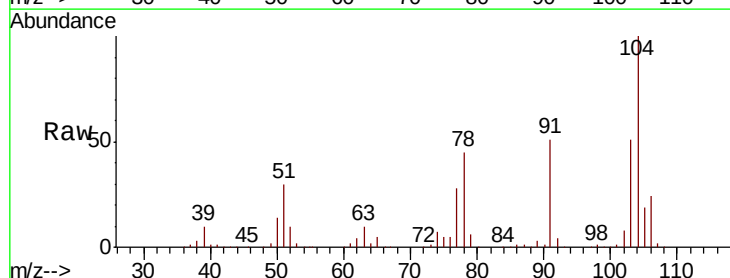
Acq: 26 Oct 2019 18:17

Tgt Ion:104 Resp: 654822

Ion Ratio Lower Upper

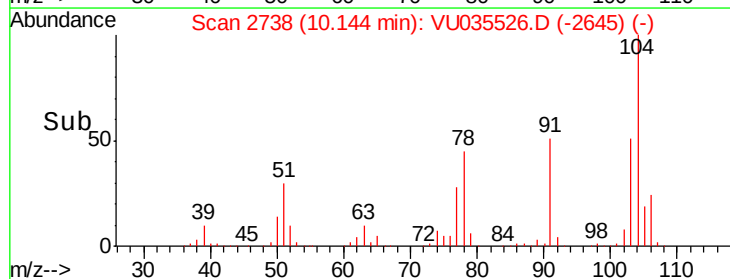
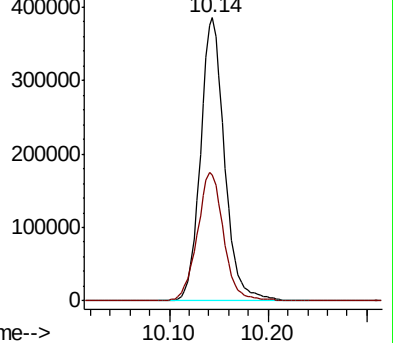
104 100

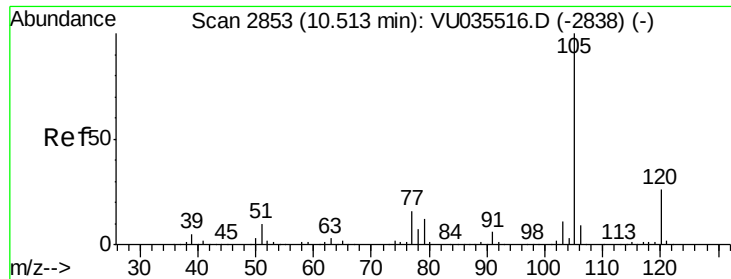
78 44.7 32.3 59.9



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 52.176 ug/L

RT: 10.51 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VU035526.D

Acq: 26 Oct 2019 18:17

Instrument :

MSVOA_U

ClientSampleId :

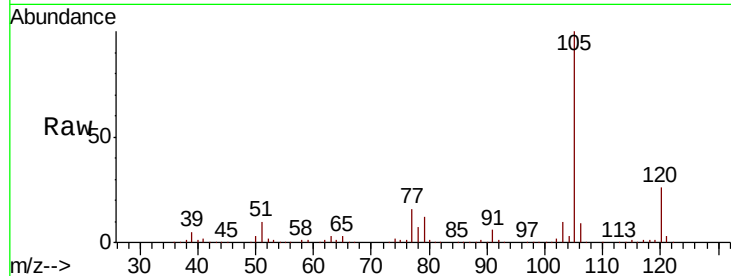
Tot Ion:105 Resp: 982609

Ion Ratio Lower Upper

105 100

120 26.2 21.0 31.4

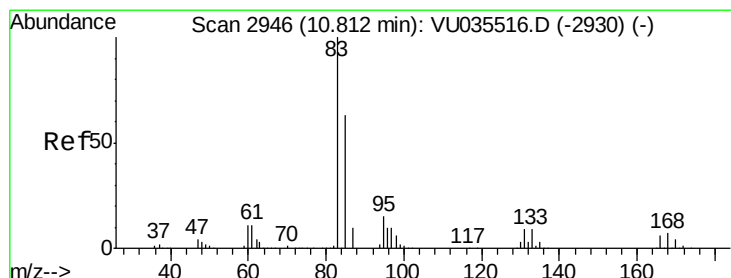
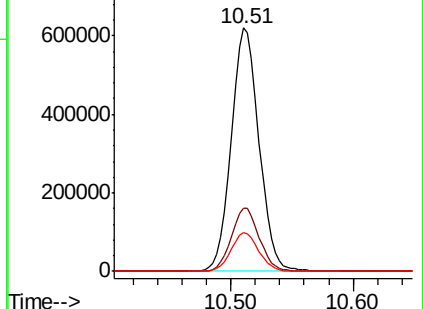
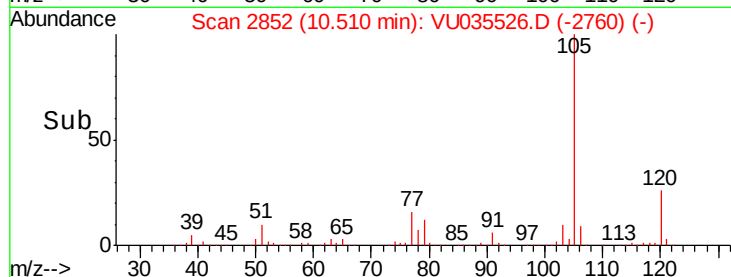
77 15.9 12.8 19.2



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: 48.974 ug/L

RT: 10.81 min Scan# 2945

Delta R.T. -0.00 min

Lab File: VU035526.D

Acq: 26 Oct 2019 18:17

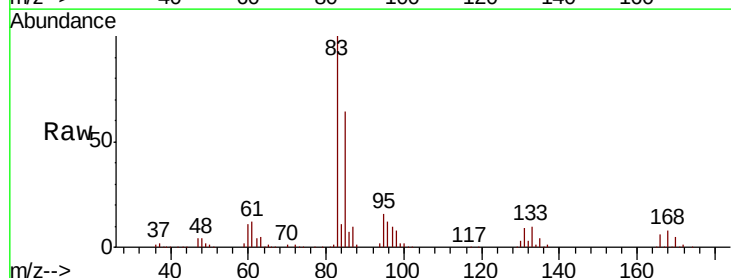
Tgt Ion: 83 Resp: 406306

Ion Ratio Lower Upper

83 100

85 63.6 45.4 84.4

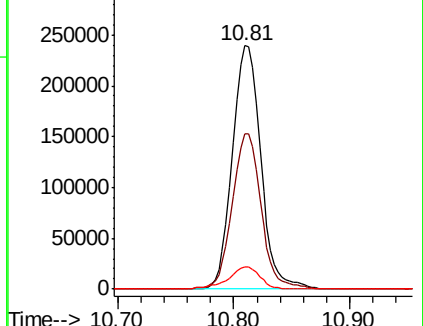
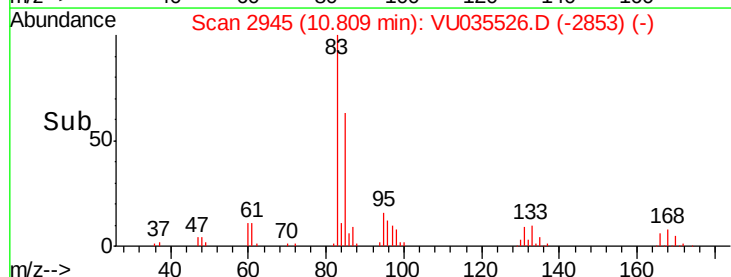
131 9.4 7.5 11.3

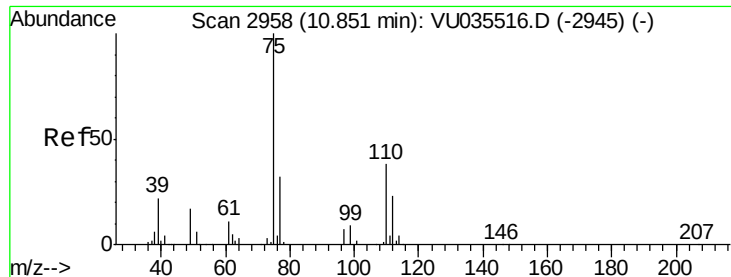


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 48.819 ug/L

RT: 10.85 min Scan# 2958

Delta R.T. 0.00 min

Lab File: VU035526.D

Acq: 26 Oct 2019 18:17

Instrument :

MSVOA_U

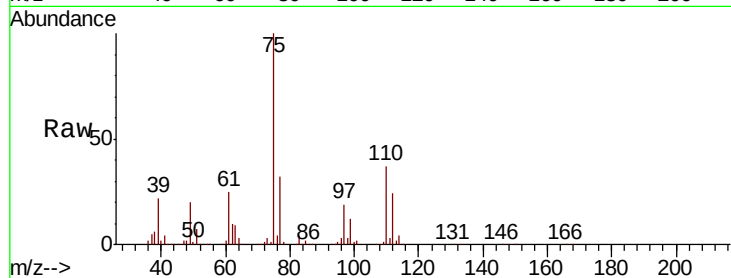
ClientSampled :

Tot Ion: 75 Resp: 322121

Ion Ratio Lower Upper

75 100

77 32.2 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU035516.D (-2945) (-)

Ion 77.00 (76.70 to 77.70): VU035516.D (-2945) (-)

10.85

200000

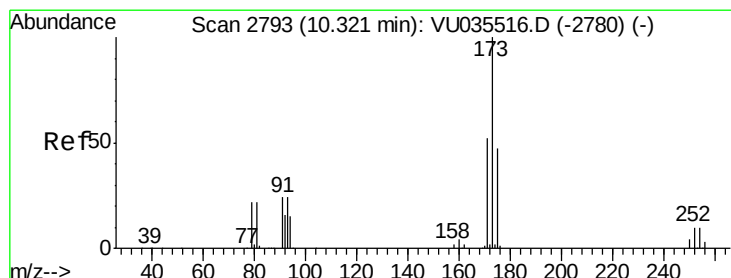
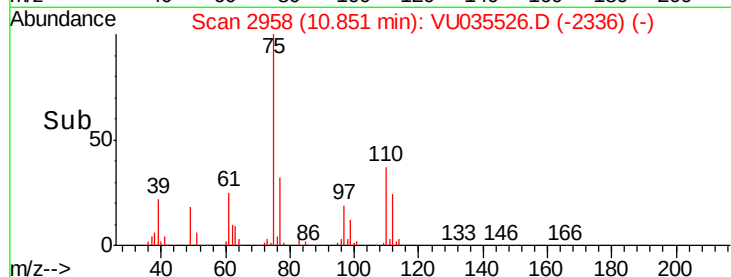
150000

100000

50000

0

Time-->



#61

Bromoform

Concen: 44.738 ug/L

RT: 10.32 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VU035526.D

Acq: 26 Oct 2019 18:17

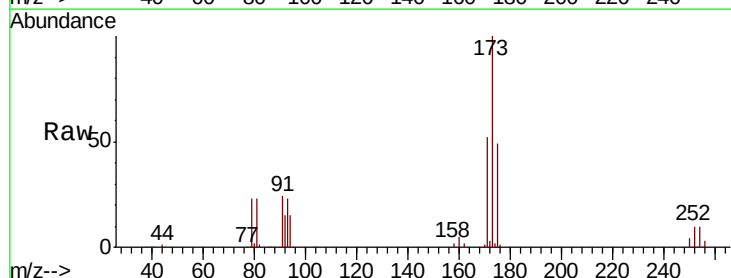
Tgt Ion: 173 Resp: 187636

Ion Ratio Lower Upper

173 100

175 48.9 39.3 58.9

254 9.6 7.6 11.4



Abundance Ion 173.00 (172.70 to 173.70): VU035516.D (-2780) (-)

Ion 175.00 (174.70 to 175.70): VU035516.D (-2780) (-)

Ion 254.00 (253.70 to 254.70): VU035516.D (-2780) (-)

10.32

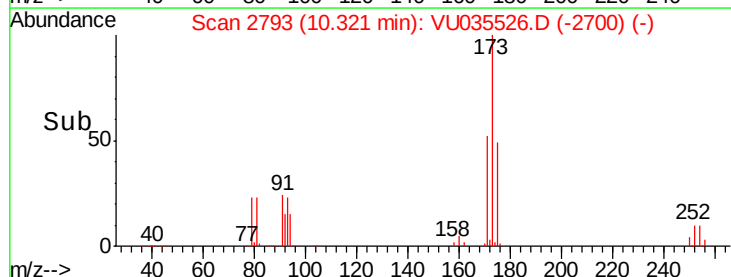
150000

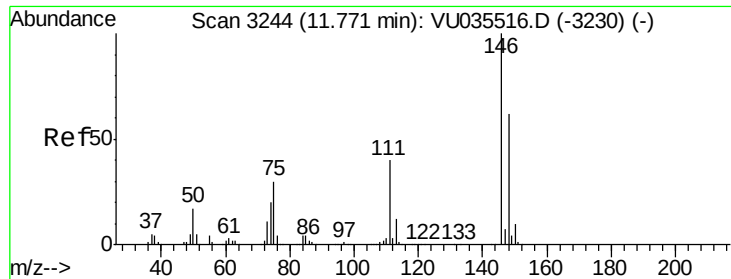
100000

50000

0

Time-->

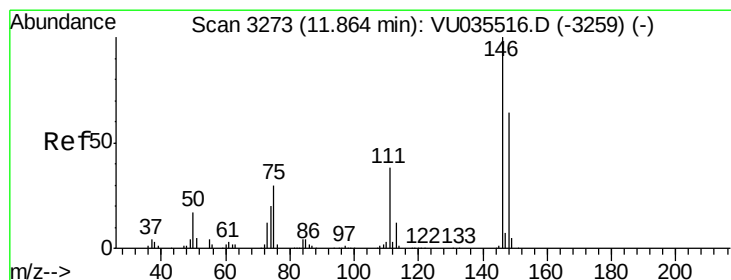
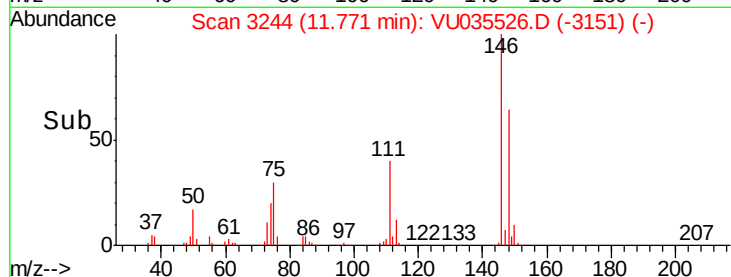
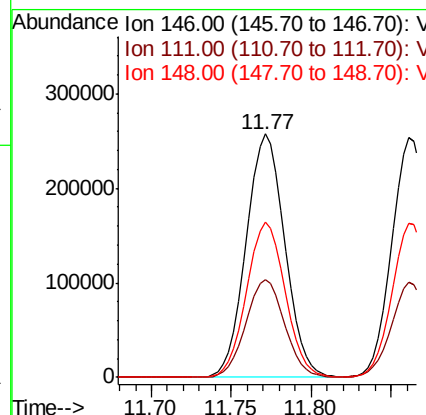
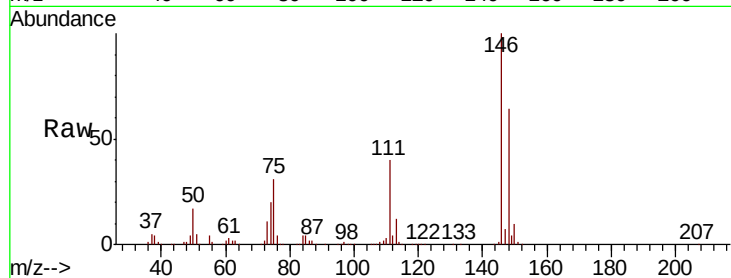




#62
 1,3-Dichlorobenzene
 Concen: 47.847 ug/L
 RT: 11.77 min Scan# 3244
 Delta R.T. 0.00 min
 Lab File: VU035526.D
 Acq: 26 Oct 2019 18:17

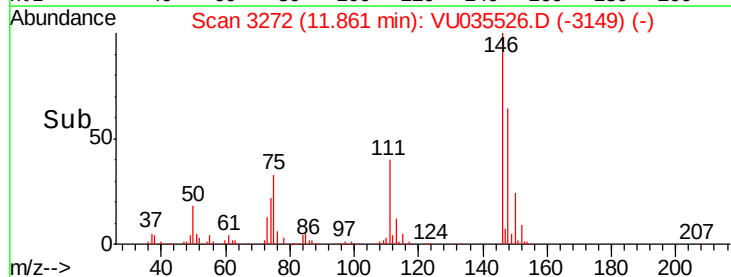
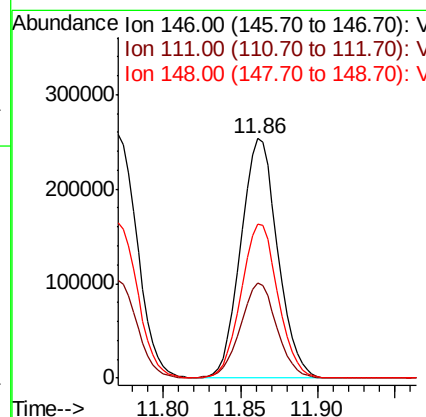
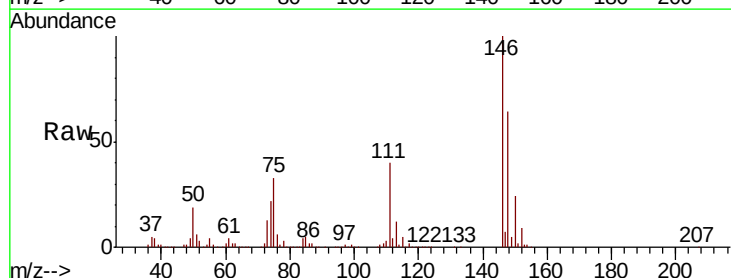
Instrument :
 MSVOA_U
 ClientSampleId :

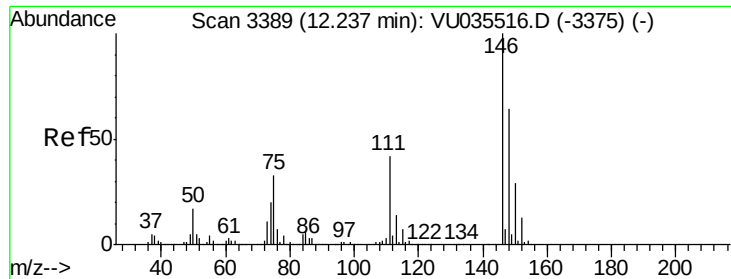
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	28.1	52.1
148	63.5	45.0	83.6



#63
 1,4-Dichlorobenzene
 Concen: 46.547 ug/L
 RT: 11.86 min Scan# 3272
 Delta R.T. -0.00 min
 Lab File: VU035526.D
 Acq: 26 Oct 2019 18:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	26.7	49.5
148	64.2	44.4	82.4





#65

1,2-Dichlorobenzene

Concen: 47.202 ug/L

RT: 12.24 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU035526.D

Acq: 26 Oct 2019 18:17

Instrument :

MSVOA_U

ClientSampleId :

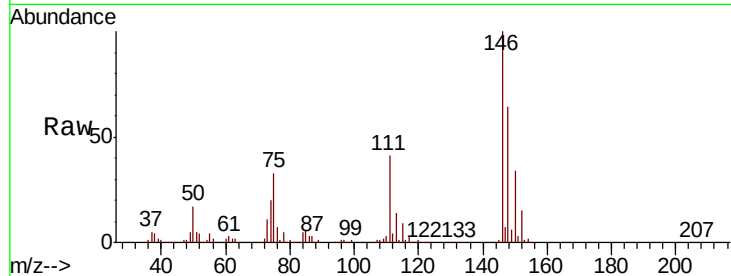
Tot Ion:146 Resp: 426143

Ion Ratio Lower Upper

146 100

111 41.3 33.6 50.4

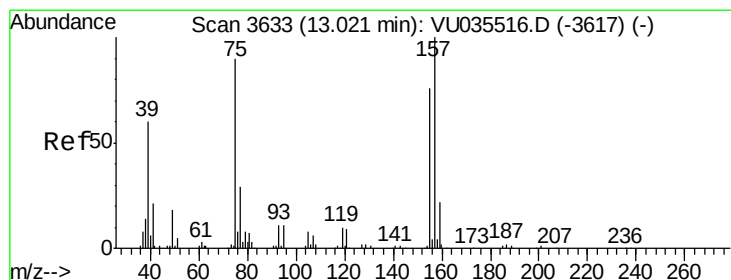
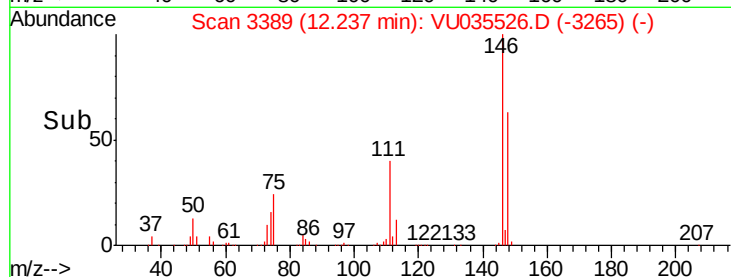
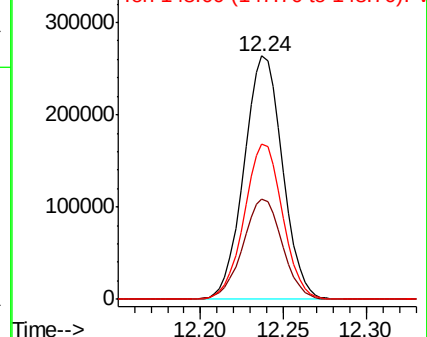
148 63.7 50.3 75.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 47.493 ug/L

RT: 13.02 min Scan# 3633

Delta R.T. 0.00 min

Lab File: VU035526.D

Acq: 26 Oct 2019 18:17

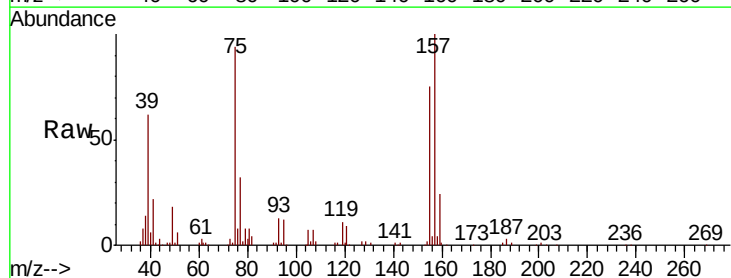
Tgt Ion: 75 Resp: 71226

Ion Ratio Lower Upper

75 100

155 80.0 64.2 96.4

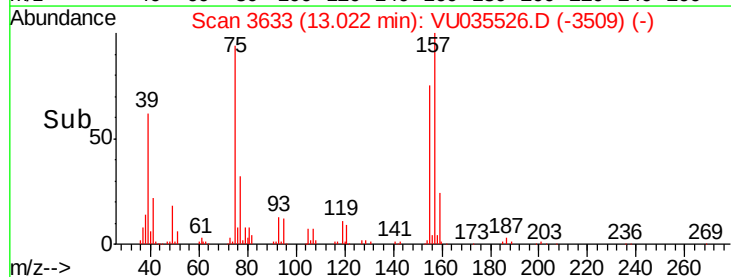
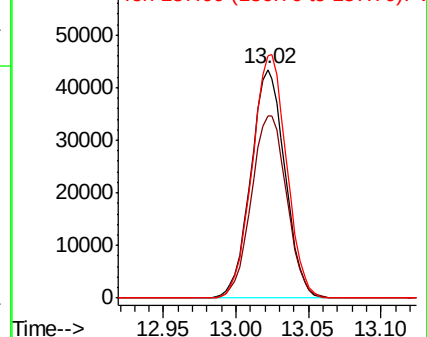
157 106.3 85.1 127.7

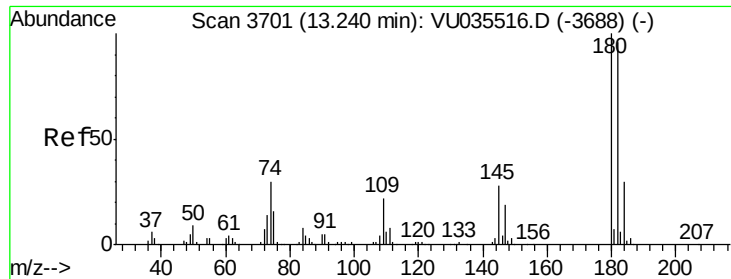


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

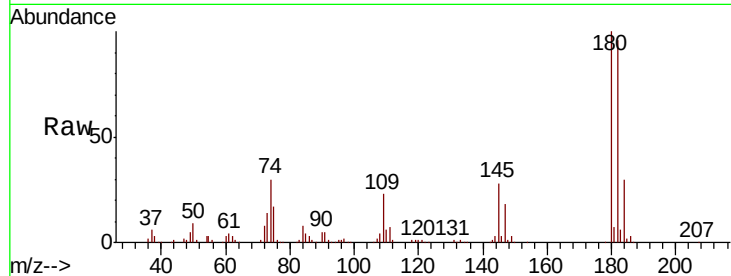




#67
 1,3,5-Trichlorobenzene
 Concen: 48.223 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VU035526.D
 Acq: 26 Oct 2019 18:17

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.7	76.6	114.8
184	30.0	23.9	35.9
145	28.3	22.4	33.6



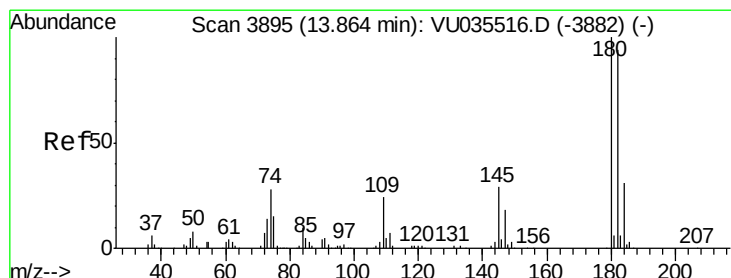
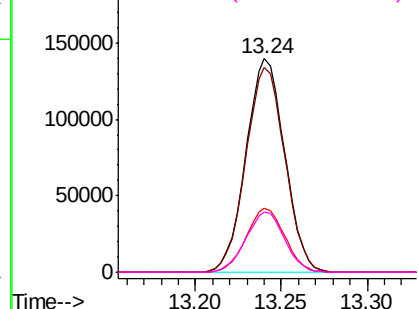
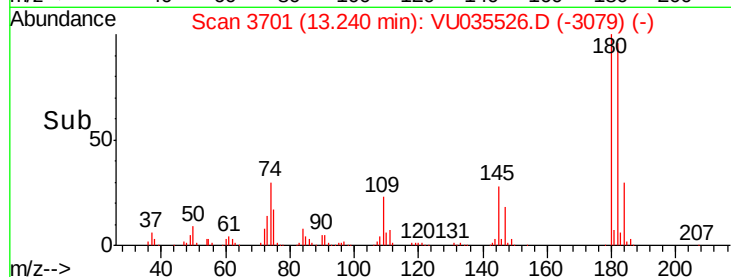
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

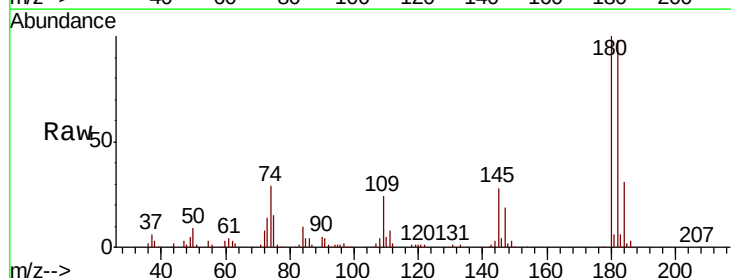
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 47.306 ug/L
 RT: 13.86 min Scan# 3894
 Delta R.T. -0.00 min
 Lab File: VU035526.D
 Acq: 26 Oct 2019 18:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	75.0	112.4
145	28.7	22.6	34.0

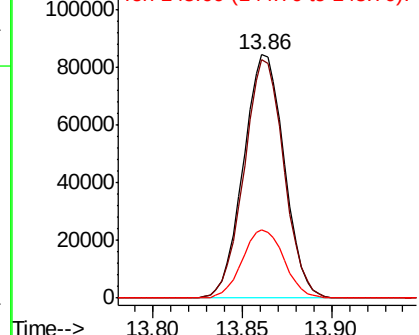
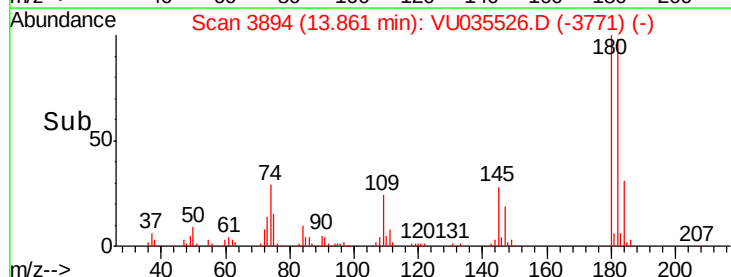


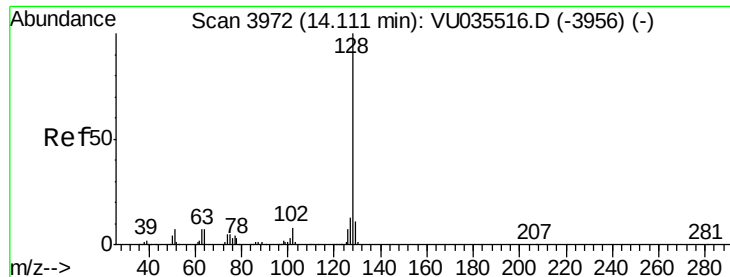
Abundance

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: 43.983 ug/L

RT: 14.11 min Scan# 3971

Delta R.T. -0.00 min

Lab File: VU035526.D

Acq: 26 Oct 2019 18:17

Instrument :

MSVOA_U

ClientSampled :

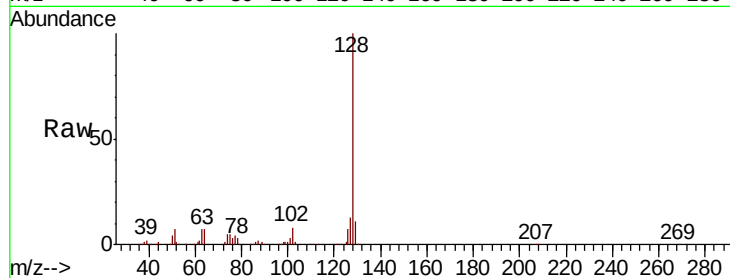
Tot Ion:128 Resp: 348076

Ion Ratio Lower Upper

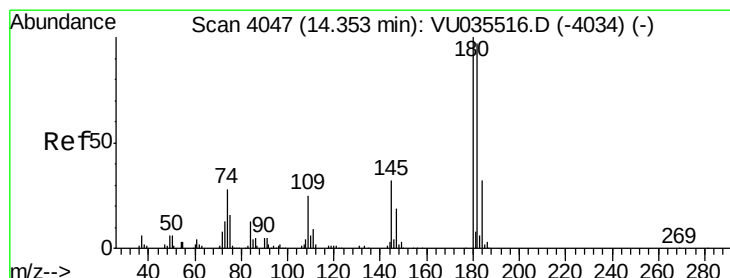
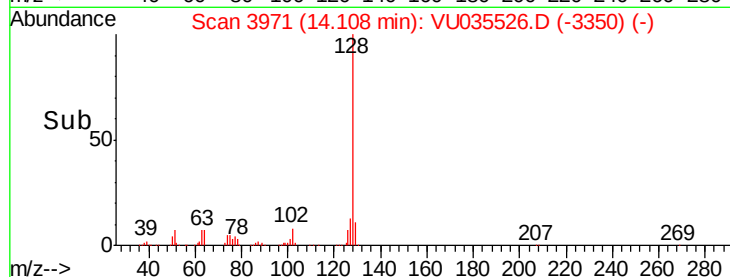
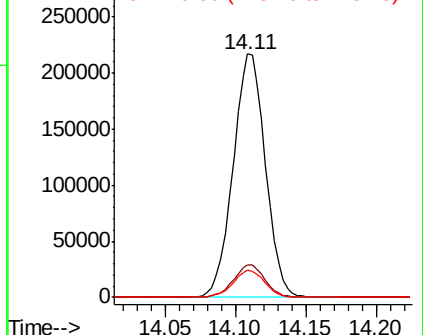
128 100

127 12.9 10.3 15.5

129 10.9 8.4 12.6



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



#70

1,2,3-Trichlorobenzene

Concen: 48.629 ug/L

RT: 14.35 min Scan# 4047

Delta R.T. 0.00 min

Lab File: VU035526.D

Acq: 26 Oct 2019 18:17

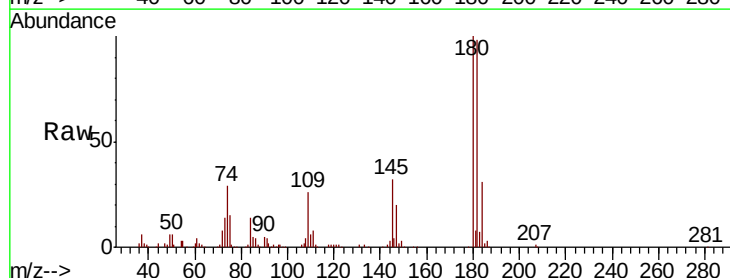
Tgt Ion:180 Resp: 143010

Ion Ratio Lower Upper

180 100

182 96.6 76.0 114.0

145 31.0 24.9 37.3



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

