

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102619\
 Data File : VU035514.D
 Acq On : 26 Oct 2019 13:15
 Operator : JC/SP
 Sample : VSTD20033
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 30 01:28:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM102619WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 30 01:21:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	633722	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	638922	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	318865	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	1000925	186.92	ug/L	0.00
7) Chloroethane-d5	1.92	69	798994	178.06	ug/L	-0.02
11) 1,1-Dichloroethene-d2	2.59	63	1670000	187.76	ug/L	0.00
21) 2-Butanone-d5	4.69	46	1417713	397.98	ug/L	0.00
24) Chloroform-d	5.11	84	1615698	185.89	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.75	65	1015246	178.68	ug/L	0.00
32) Benzene-d6	5.77	84	3340594	183.64	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.73	67	1097334	187.78	ug/L	0.00
41) Toluene-d8	7.93	98	3153518	184.51	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.21	79	560896	189.22	ug/L	0.00
47) 2-Hexanone-d5	8.68	63	1032208	408.06	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.79	84	1611884	187.25	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.22	152	1174934	163.47	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	1080153	206.138	ug/L 99
3) Chloromethane	1.53	50	1146283	209.649	ug/L 99
5) Vinyl chloride	1.62	62	1261835	223.586	ug/L 98
6) Bromomethane	1.85	94	594344	185.846	ug/L 99
8) Chloroethane	1.94	64	721898	209.332	ug/L 99
9) Trichlorofluoromethane	2.15	101	1392872	199.453	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	808269	198.911	ug/L 100
12) 1,1-Dichloroethene	2.60	96	802581	203.827	ug/L 94
13) Acetone	2.67	43	1242870	381.245	ug/L 100
14) Carbon disulfide	2.82	76	2570914	205.377	ug/L 99
15) Methyl Acetate	2.99	43	1090226	219.995	ug/L 100
16) Methylene chloride	3.08	84	968380	205.465	ug/L 99
17) trans-1,2-Dichloroethene	3.39	96	869602	205.852	ug/L 98
18) Methyl tert-butyl Ether	3.42	73	2837618	212.611	ug/L 99
19) 1,1-Dichloroethane	3.92	63	1727278	211.937	ug/L 99
20) cis-1,2-Dichloroethene	4.72	96	1002414	209.076	ug/L 100
22) 2-Butanone	4.77	43	1750288	438.418	ug/L 100
23) Bromochloromethane	5.02	128	480945	199.723	ug/L 98
25) Chloroform	5.14	83	1660422	199.265	ug/L 100
27) 1,2-Dichloroethane	5.84	62	1297798	201.508	ug/L 100
29) Cyclohexane	5.43	56	1547730	214.292	ug/L 99
30) 1,1,1-Trichloroethane	5.36	97	1386374	196.080	ug/L 99
31) Carbon tetrachloride	5.57	117	1225289	198.321	ug/L 99
33) Benzene	5.82	78	3776841	204.818	ug/L 100
34) Trichloroethene	6.58	95	932882	199.357	ug/L 99
35) Methylcyclohexane	6.80	83	1425374	200.067	ug/L 97
37) 1,2-Dichloropropane	6.83	63	1025255	213.294	ug/L 100
38) Bromodichloromethane	7.15	83	1300487	204.432	ug/L 99
39) cis-1,3-Dichloropropene	7.65	75	1730727	225.261	ug/L 100
40) 4-Methyl-2-pentanone	7.84	43	3130765	444.225	ug/L 98

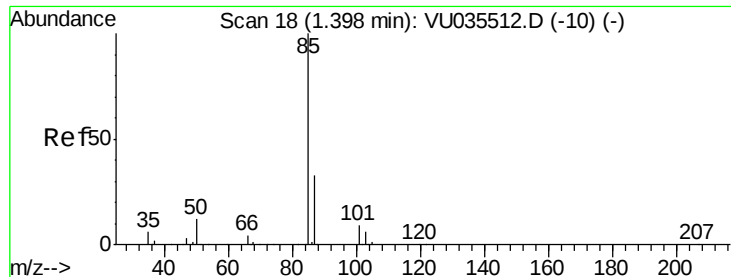
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102619\
 Data File : VU035514.D
 Acq On : 26 Oct 2019 13:15
 Operator : JC/SP
 Sample : VSTD20033
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 30 01:28:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM102619WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 30 01:21:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.01	91	4052490	202.342	ug/L	99
44) trans-1,3-Dichloropropene	8.25	75	1546224	216.570	ug/L	100
45) 1,1,2-Trichloroethane	8.44	97	939745	200.559	ug/L	99
46) Tetrachloroethene	8.58	164	734721	195.033	ug/L	99
48) 2-Hexanone	8.73	43	2523779	423.016	ug/L	99
49) Dibromochloromethane	8.84	129	1077775	207.315	ug/L	99
50) 1,2-Dibromoethane	8.96	107	1042107	202.722	ug/L	99
51) Chlorobenzene	9.48	112	2639018	202.813	ug/L	98
52) Ethylbenzene	9.60	91	4623746	208.554	ug/L	99
53) m,p-Xylene	9.72	106	1738700	211.342	ug/L	100
54) o-xylene	10.13	106	1724192	212.975	ug/L	99
55) Styrene	10.14	104	2967920	224.999	ug/L	99
56) Isopropylbenzene	10.51	105	4456720	213.932	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.81	83	1753714	214.251	ug/L	100
59) 1,2,3-Trichloropropane	10.85	75	1385760	213.211	ug/L	99
61) Bromoform	10.32	173	860446	188.120	ug/L	99
62) 1,3-Dichlorobenzene	11.77	146	2024845	195.559	ug/L	99
63) 1,4-Dichlorobenzene	11.86	146	2015682	194.147	ug/L	99
65) 1,2-Dichlorobenzene	12.24	146	1985386	191.947	ug/L	100
66) 1,2-Dibromo-3-chloropropan	13.02	75	351952	214.226	ug/L	97
67) 1,3,5-Trichlorobenzene	13.24	180	1198560	211.455	ug/L	100
68) 1,2,4-trichlorobenzene	13.86	180	940447	254.720	ug/L	97
69) Naphthalene	14.11	128	3013497	294.995	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	908005	237.580	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 206.138 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU035514.D

Acq: 26 Oct 2019 13:15

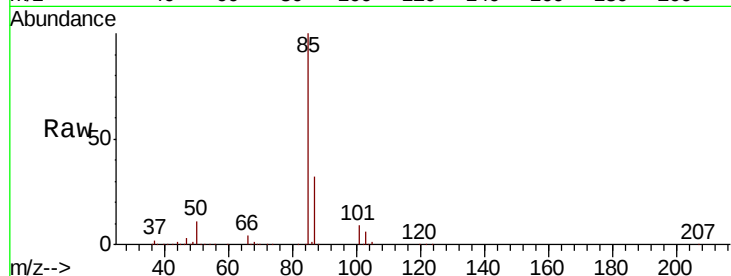
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 1080153

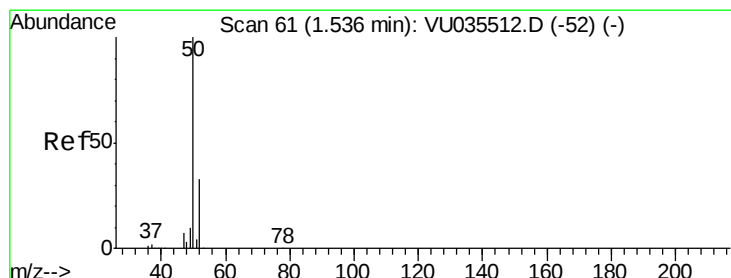
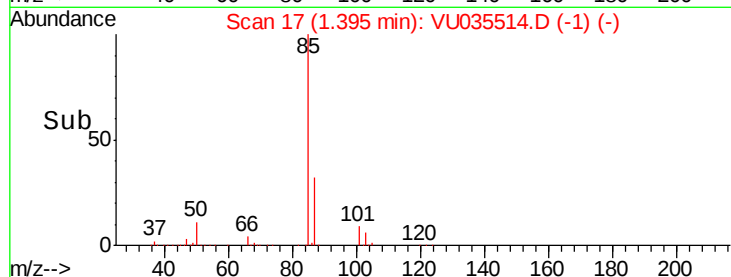
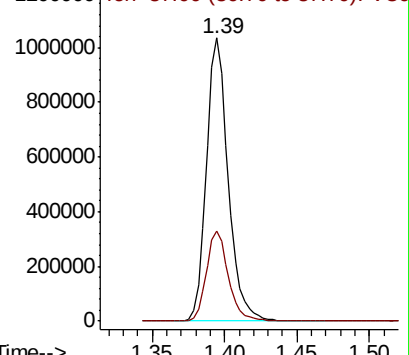
Ion Ratio Lower Upper

85 100

87 32.1 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VU035514.D (-1) (-)



#3

Chloromethane

Concen: 209.649 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU035514.D

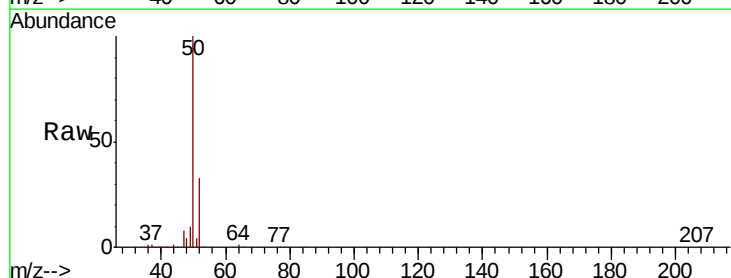
Acq: 26 Oct 2019 13:15

Tgt Ion: 50 Resp: 1146283

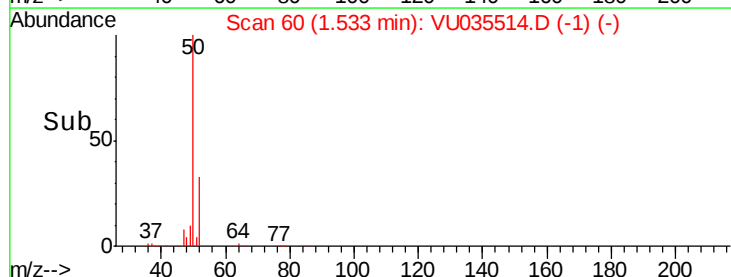
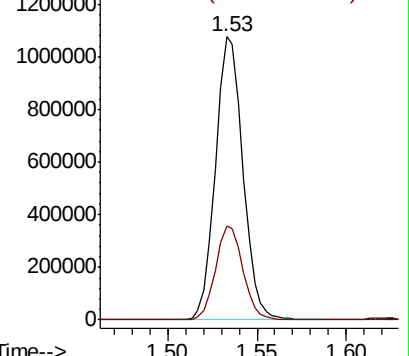
Ion Ratio Lower Upper

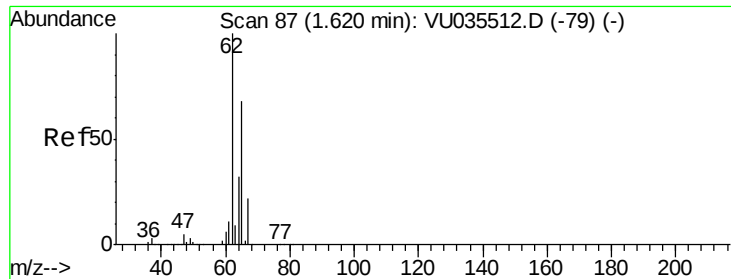
50 100

52 33.2 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VU035514.D (-1) (-)





#5

Vinyl chloride

Concen: 223.586 ug/L

RT: 1.62 min Scan# 87

Delta R.T. -0.00 min

Lab File: VU035514.D

Acq: 26 Oct 2019 13:15

Instrument :

MSVOA_U

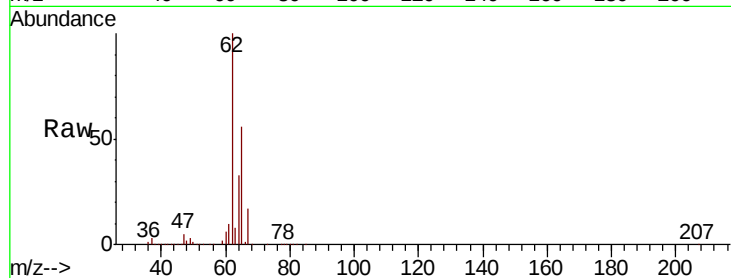
ClientSampleId :

Tot Ion: 62 Resp: 1261835

Ion Ratio Lower Upper

62 100

64 32.9 23.8 44.2



Abundance Ion 62.00 (61.70 to 62.70): VU035514.D (-1) (-)

Ion 64.00 (63.70 to 64.70): VU035514.D (-1) (-)

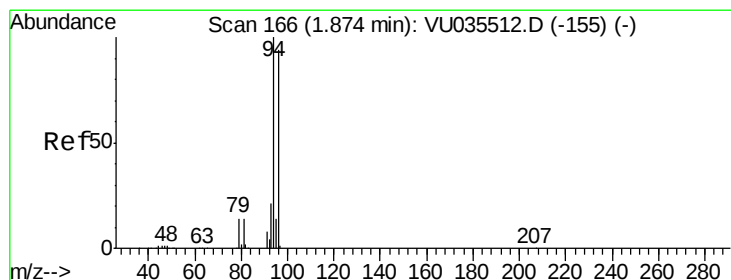
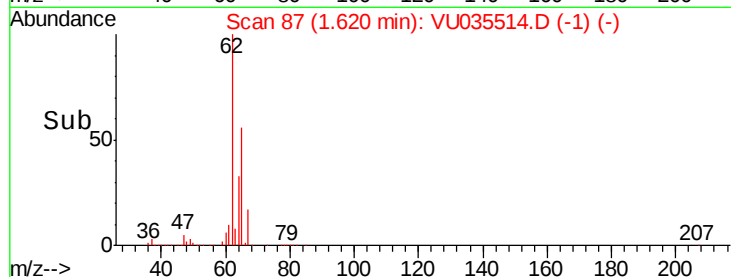
1.62

1000000

500000

0

Time-->



#6

Bromomethane

Concen: 185.846 ug/L

RT: 1.85 min Scan# 159

Delta R.T. -0.02 min

Lab File: VU035514.D

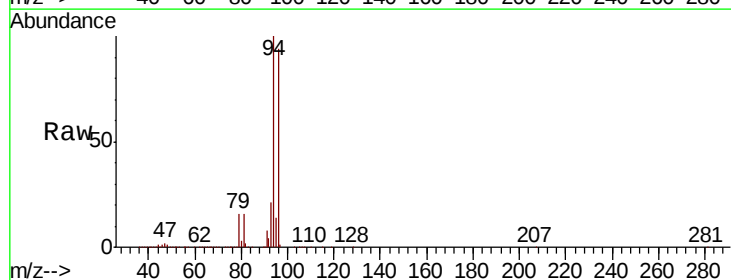
Acq: 26 Oct 2019 13:15

Tgt Ion: 94 Resp: 594344

Ion Ratio Lower Upper

94 100

96 94.3 65.7 121.9



Abundance Ion 94.00 (93.70 to 94.70): VU035514.D (-73) (-)

Ion 96.00 (95.70 to 96.70): VU035514.D (-73) (-)

1.85

500000

400000

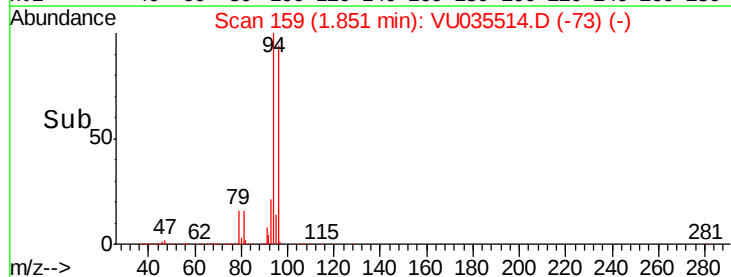
300000

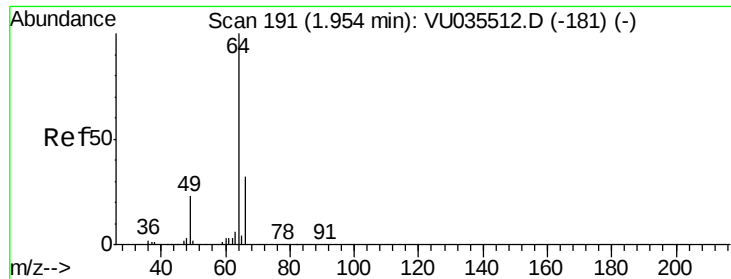
200000

100000

0

Time-->





#8

Chloroethane

Concen: 209.332 ug/L

RT: 1.94 min Scan# 187

Delta R.T. -0.01 min

Lab File: VU035514.D

Acq: 26 Oct 2019 13:15

Instrument :

MSVOA_U

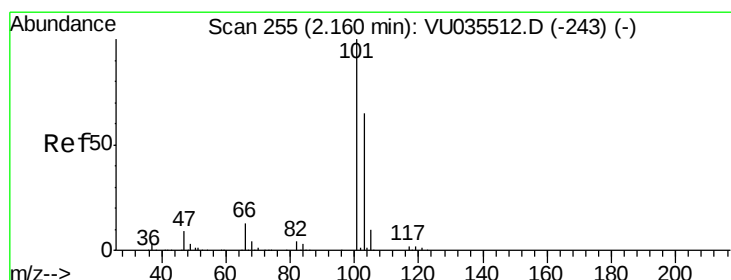
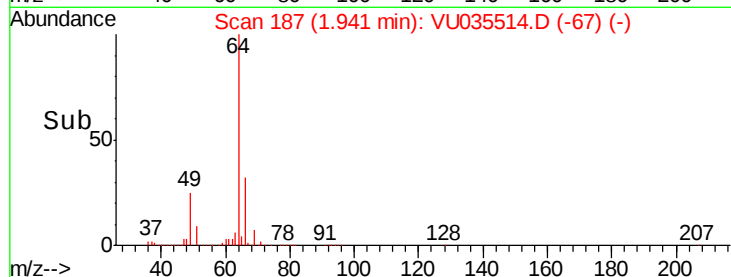
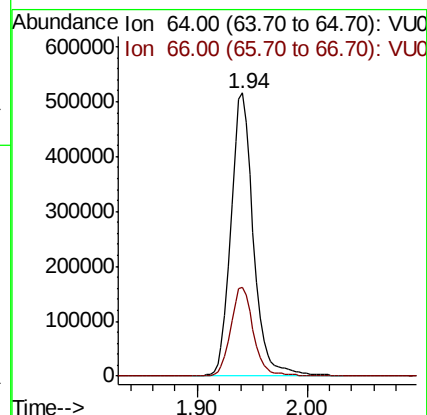
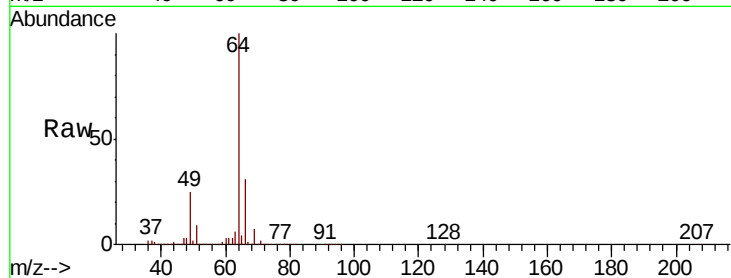
ClientSampleId :

Tot Ion: 64 Resp: 721898

Ion Ratio Lower Upper

64 100

66 31.5 22.3 41.5



#9

Trichlorofluoromethane

Concen: 199.453 ug/L

RT: 2.15 min Scan# 253

Delta R.T. -0.01 min

Lab File: VU035514.D

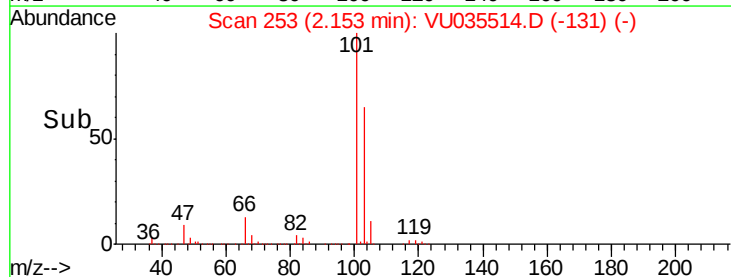
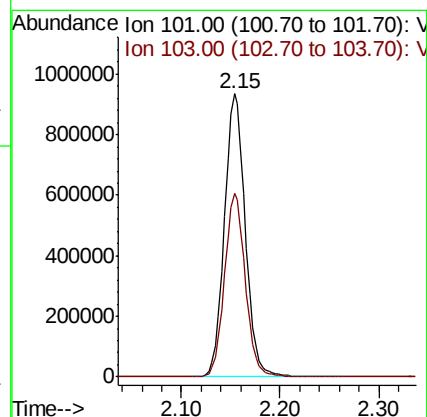
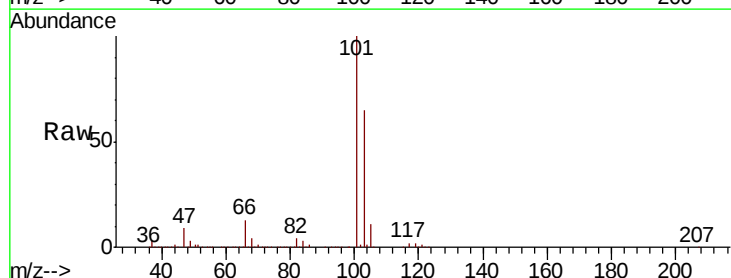
Acq: 26 Oct 2019 13:15

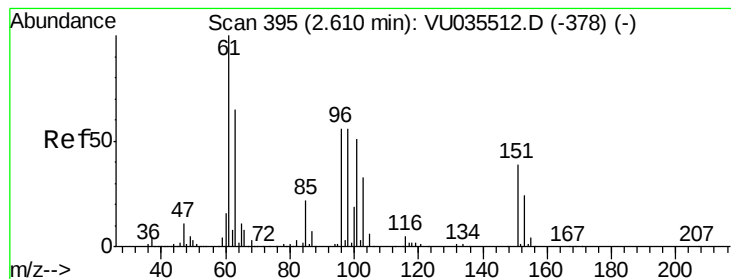
Tgt Ion:101 Resp: 1392872

Ion Ratio Lower Upper

101 100

103 64.7 51.7 77.5





#10

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

Concen: 198.911 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.01 min

Lab File: VU035514.D

Acq: 26 Oct 2019 13:15

Instrument :

MSVOA_U

ClientSampleId :

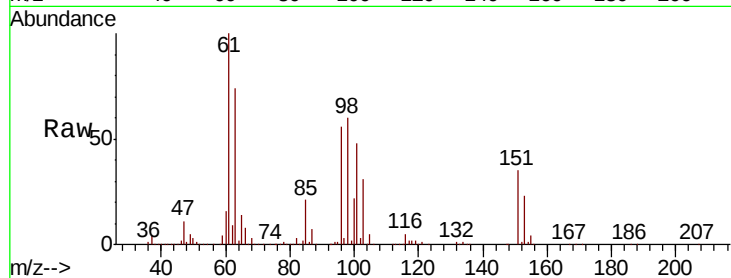
Tot Ion:101 Resp: 808269

Ion Ratio Lower Upper

101 100

85 43.1 34.6 52.0

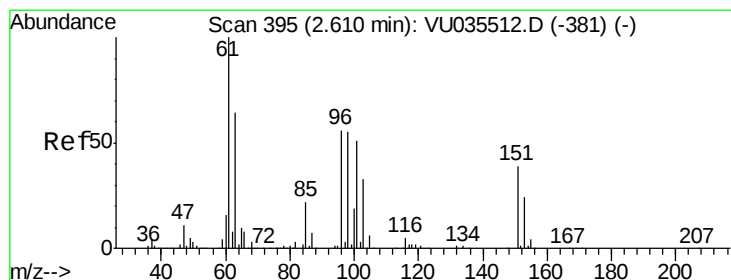
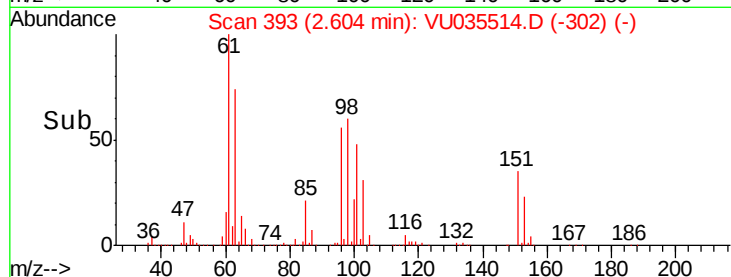
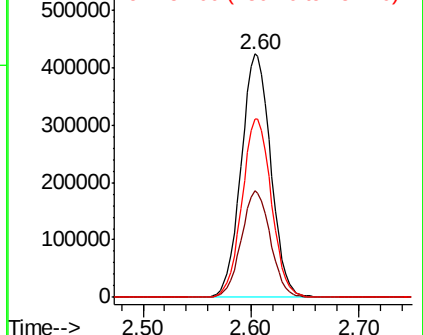
151 72.9 58.6 88.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 203.827 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.01 min

Lab File: VU035514.D

Acq: 26 Oct 2019 13:15

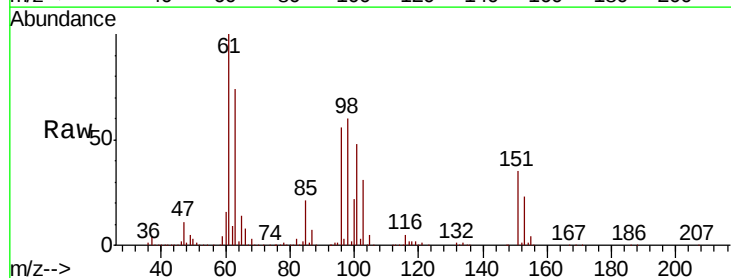
Tgt Ion: 96 Resp: 802581

Ion Ratio Lower Upper

96 100

61 179.5 125.2 232.4

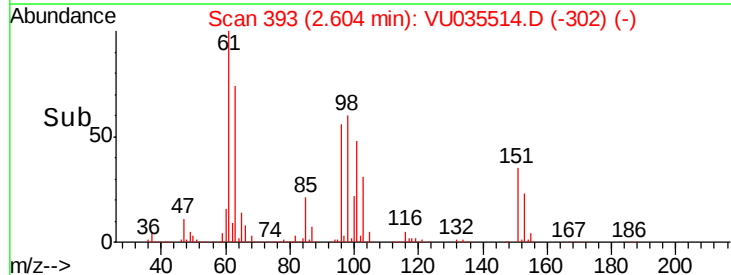
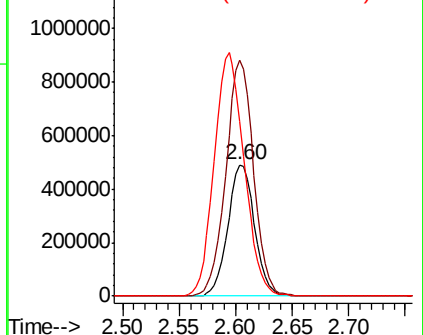
63 132.4 81.8 151.8

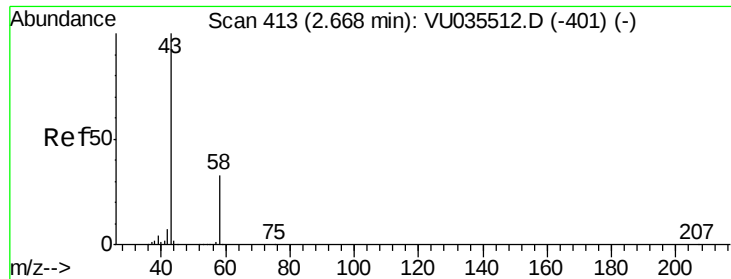


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 381.245 ug/L

RT: 2.67 min Scan# 413

Delta R.T. -0.00 min

Lab File: VU035514.D

Acq: 26 Oct 2019 13:15

Instrument :

MSVOA_U

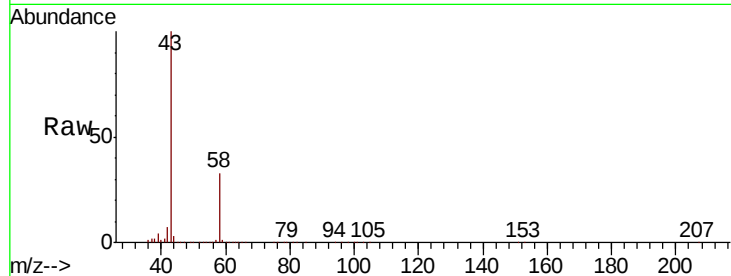
ClientSampleId :

Tot Ion: 43 Resp: 1242870

Ion Ratio Lower Upper

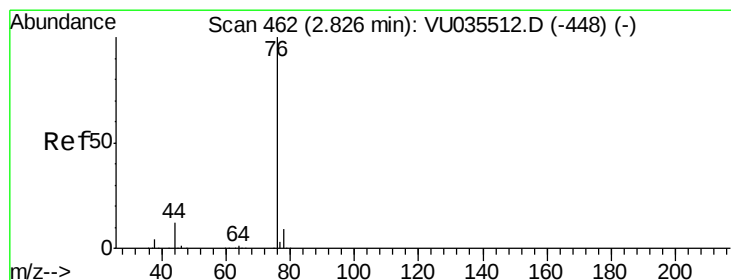
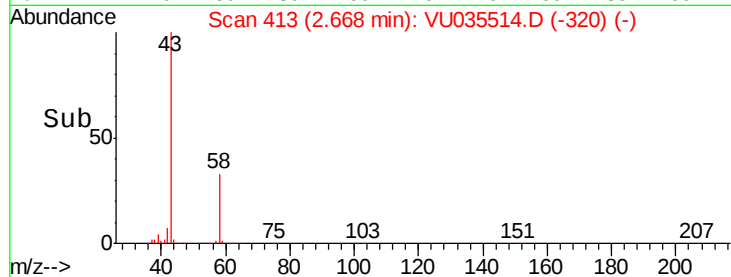
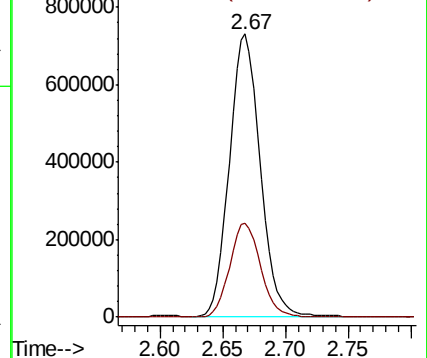
43 100

58 33.3 0.0 66.6



Abundance Ion 43.00 (42.70 to 43.70): VU035514.D (-320) (-)

Ion 58.00 (57.70 to 58.70): VU035514.D (-320) (-)



#14

Carbon disulfide

Concen: 205.377 ug/L

RT: 2.82 min Scan# 461

Delta R.T. -0.00 min

Lab File: VU035514.D

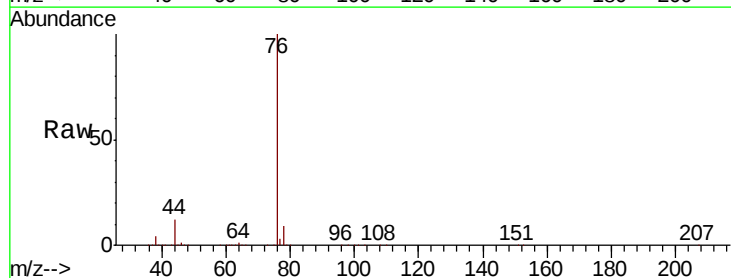
Acq: 26 Oct 2019 13:15

Tgt Ion: 76 Resp: 2570914

Ion Ratio Lower Upper

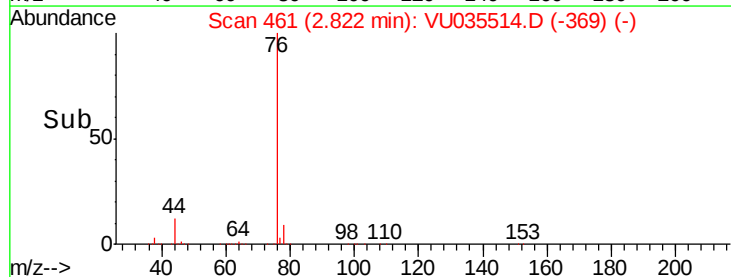
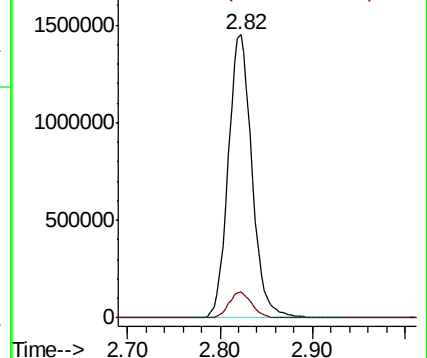
76 100

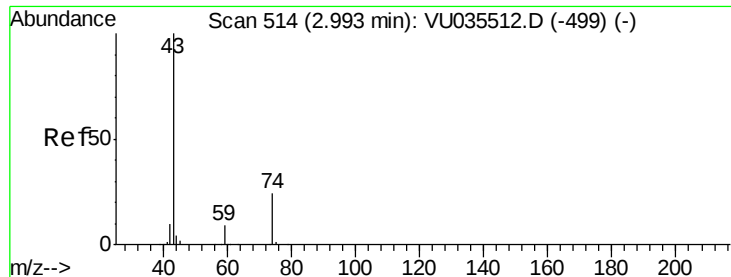
78 9.0 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VU035514.D (-369) (-)

Ion 78.00 (77.70 to 78.70): VU035514.D (-369) (-)





#15

Methyl Acetate

Concen: 219.995 ug/L

RT: 2.99 min Scan# 513

Delta R.T. -0.00 min

Lab File: VU035514.D

Acq: 26 Oct 2019 13:15

Instrument :

MSVOA_U

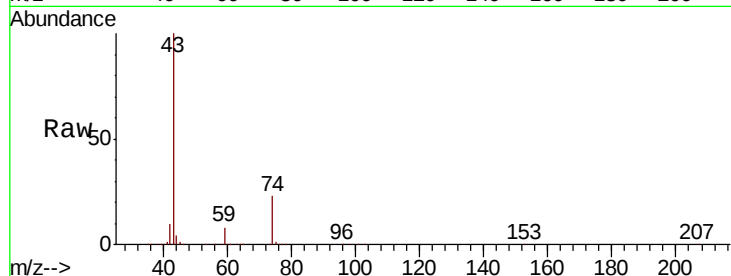
ClientSampleId :

Tot Ion: 43 Resp: 1090226

Ion Ratio Lower Upper

43 100

74 23.6 19.0 28.6



Abundance Ion 43.00 (42.70 to 43.70): VU035514.D (-499) (-)

Ion 74.00 (73.70 to 74.70): VU035514.D (-499) (-)

2.99

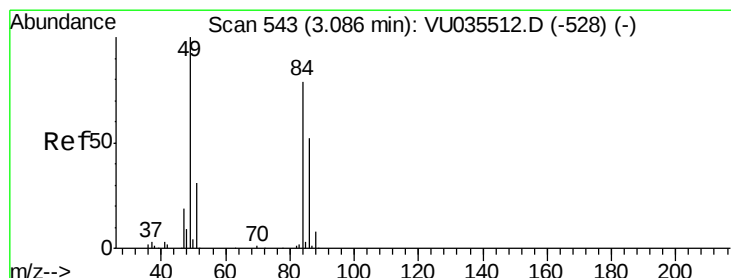
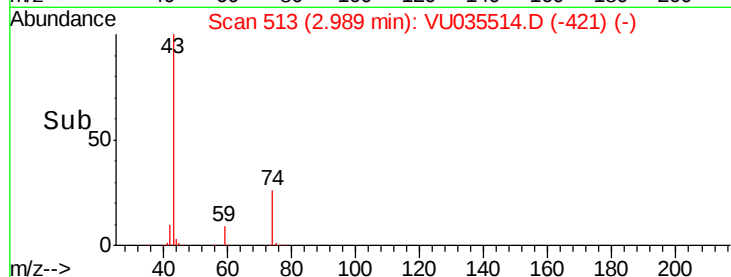
600000

400000

200000

0

Time-->



#16

Methylene chloride

Concen: 205.465 ug/L

RT: 3.08 min Scan# 542

Delta R.T. -0.00 min

Lab File: VU035514.D

Acq: 26 Oct 2019 13:15

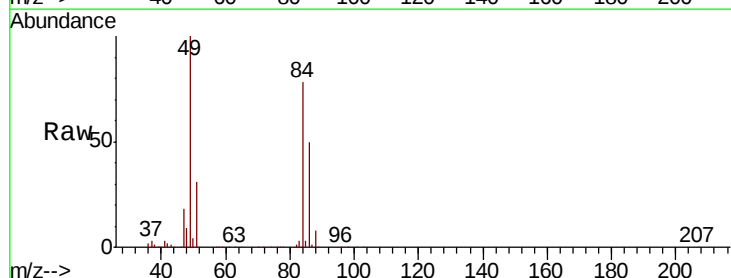
Tgt Ion: 84 Resp: 968380

Ion Ratio Lower Upper

84 100

86 64.2 45.5 84.5

49 128.0 88.3 163.9



Abundance Ion 84.00 (83.70 to 84.70): VU035514.D (-528) (-)

Ion 86.00 (85.70 to 86.70): VU035514.D (-528) (-)

Ion 49.00 (48.70 to 49.70): VU035514.D (-528) (-)

800000

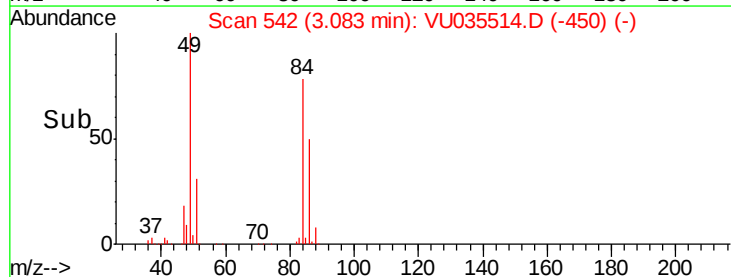
600000

400000

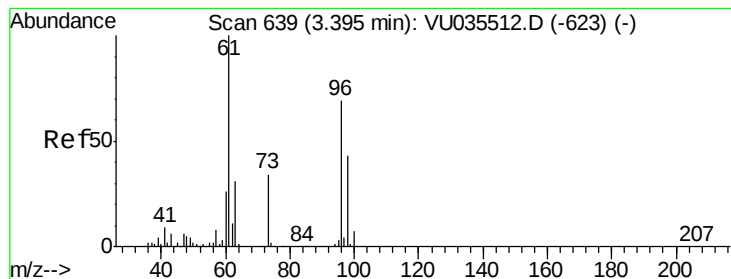
200000

0

Time-->



3.08



#17

trans-1,2-Dichloroethene

Concen: 205.852 ug/L

RT: 3.39 min Scan# 638

Delta R.T. -0.00 min

Lab File: VU035514.D

Acq: 26 Oct 2019 13:15

Instrument :

MSVOA_U

ClientSampleId :

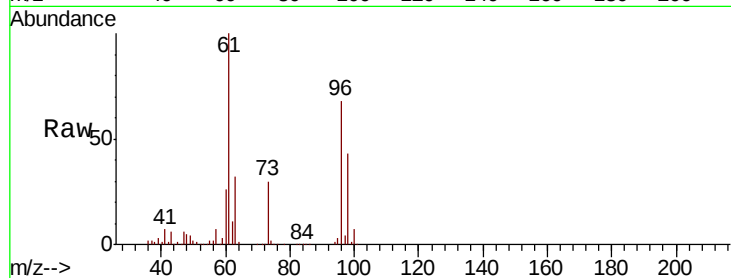
Tot Ion: 96 Resp: 869602

Ion Ratio Lower Upper

96 100

61 147.2 101.2 188.0

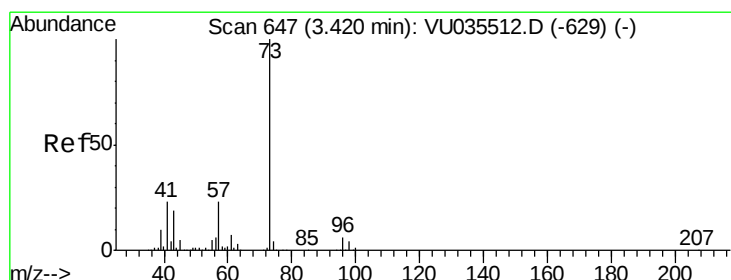
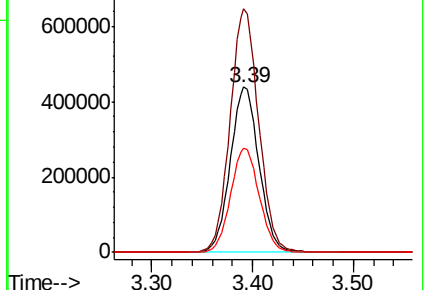
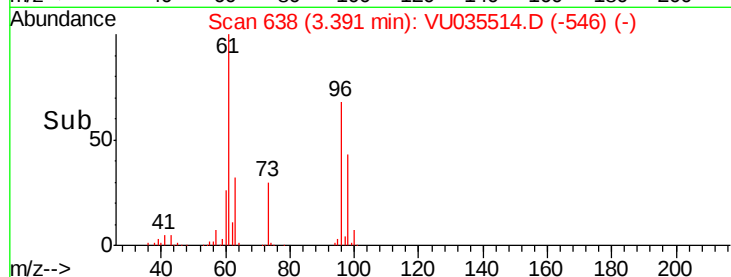
98 63.3 43.6 81.0



Abundance Ion 96.00 (95.70 to 96.70): VU035514.D (-546) (-)

Ion 61.00 (60.70 to 61.70): VU035514.D (-546) (-)

Ion 98.00 (97.70 to 98.70): VU035514.D (-546) (-)



#18

Methyl tert-butyl Ether

Concen: 212.611 ug/L

RT: 3.42 min Scan# 647

Delta R.T. -0.00 min

Lab File: VU035514.D

Acq: 26 Oct 2019 13:15

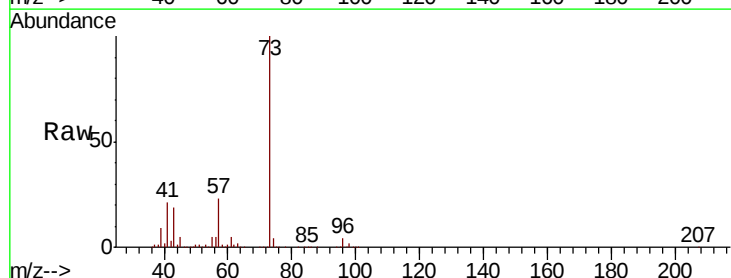
Tgt Ion: 73 Resp: 2837618

Ion Ratio Lower Upper

73 100

43 18.5 15.2 22.8

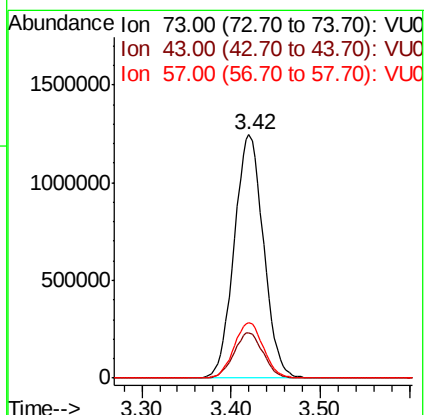
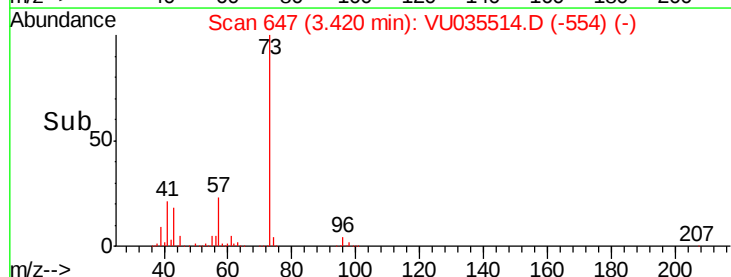
57 22.9 18.7 28.1

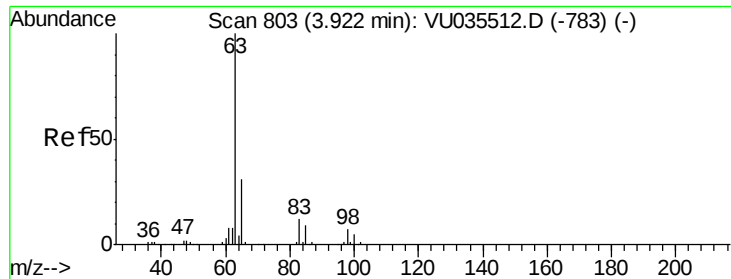


Abundance Ion 73.00 (72.70 to 73.70): VU035514.D (-554) (-)

Ion 43.00 (42.70 to 43.70): VU035514.D (-554) (-)

Ion 57.00 (56.70 to 57.70): VU035514.D (-554) (-)



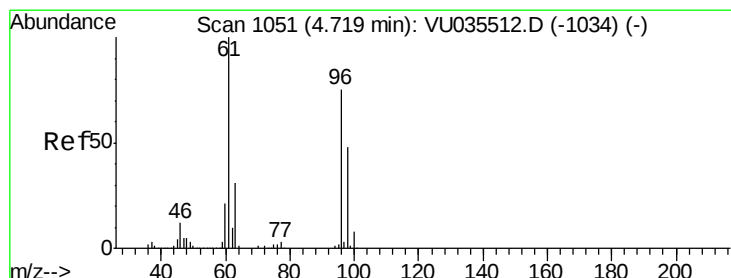
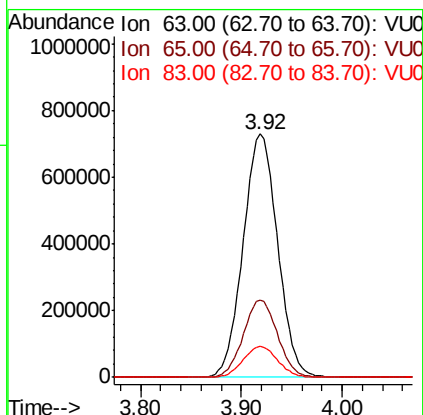
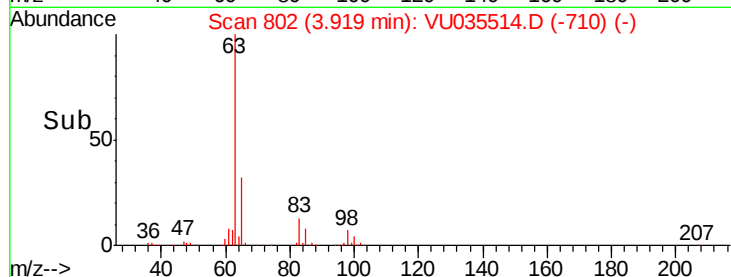
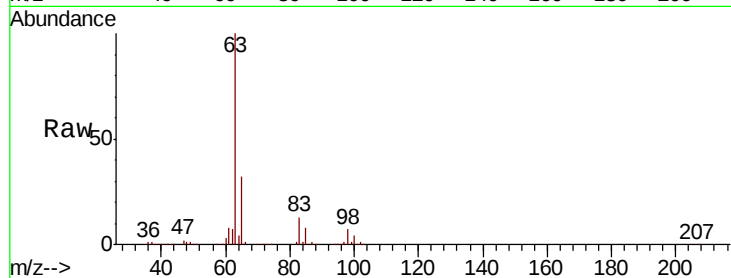


#19
 1,1-Dichloroethane
 Concen: 211.937 ug/L
 RT: 3.92 min Scan# 802
 Delta R.T. -0.00 min
 Lab File: VU035514.D
 Acq: 26 Oct 2019 13:15

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 63 Resp: 1727278

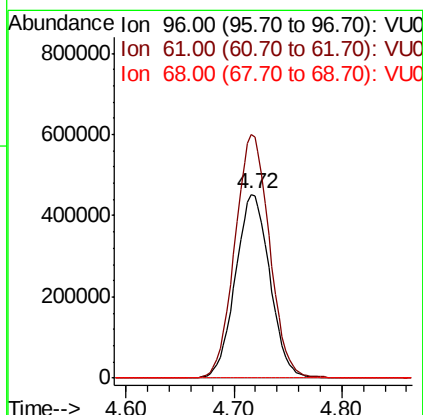
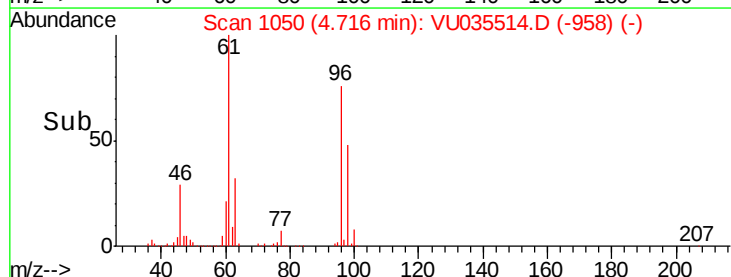
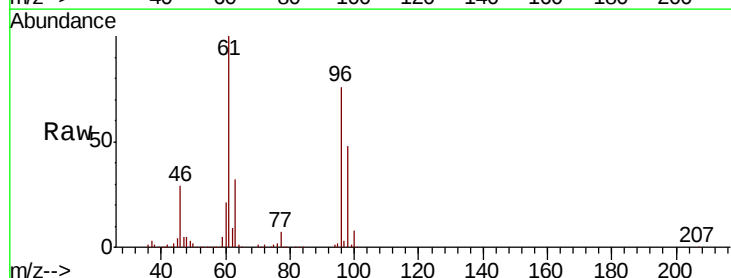
Ion	Ratio	Lower	Upper
63	100		
65	31.7	21.7	40.3
83	12.6	8.7	16.1

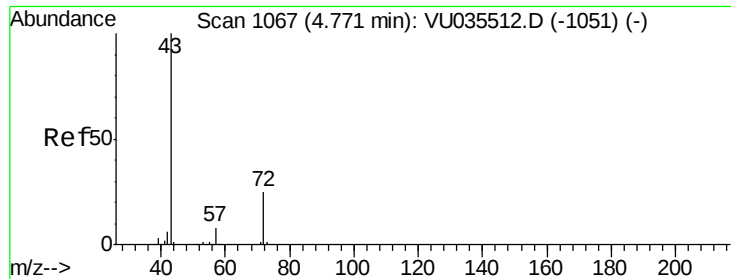


#20
 cis-1,2-Dichloroethene
 Concen: 209.076 ug/L
 RT: 4.72 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VU035514.D
 Acq: 26 Oct 2019 13:15

Tgt Ion: 96 Resp: 1002414

Ion	Ratio	Lower	Upper
96	100		
61	132.3	93.0	172.8
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 438.418 ug/L

RT: 4.77 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VU035514.D

Acq: 26 Oct 2019 13:15

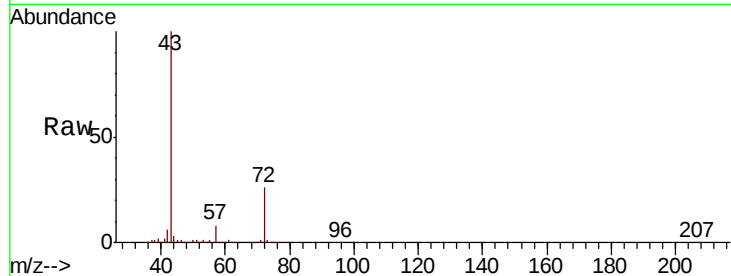
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 1750288

Ion Ratio Lower Upper

43 100

72 26.9 13.4 40.1



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

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

4.77

800000

600000

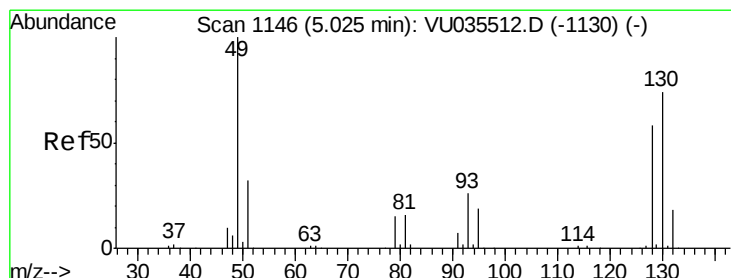
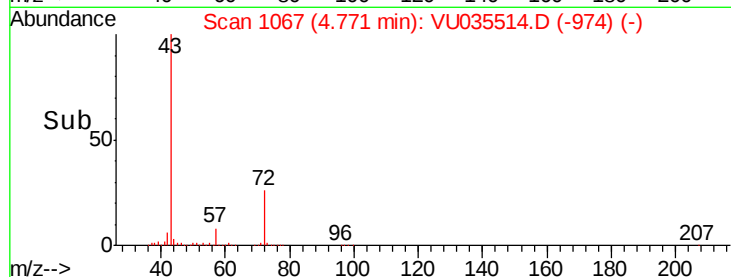
400000

200000

0

4.70 4.80 4.90

Time-->



#23

Bromochloromethane

Concen: 199.723 ug/L

RT: 5.02 min Scan# 1146

Delta R.T. -0.00 min

Lab File: VU035514.D

Acq: 26 Oct 2019 13:15

Tgt Ion:128 Resp: 480945

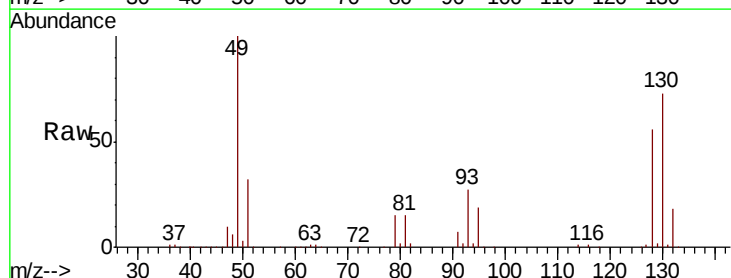
Ion Ratio Lower Upper

128 100

49 177.0 121.1 224.9

130 128.6 89.0 165.2

51 56.8 43.8 65.8



Abundance Ion 128.00 (127.70 to 128.70): VU035512.D (-1130) (-)

Ion 49.00 (48.70 to 49.70): VU035512.D (-1130) (-)

Ion 130.00 (129.70 to 130.70): VU035512.D (-1130) (-)

Ion 51.00 (50.70 to 51.70): VU035512.D (-1130) (-)

600000

500000

400000

300000

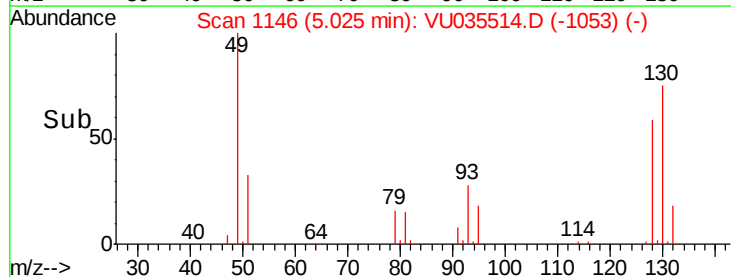
200000

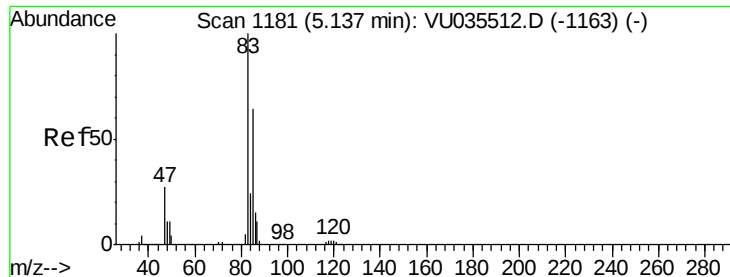
100000

0

4.95 5.00 5.05 5.10

Time-->





#25

Chloroform

Concen: 199.265 ug/L

RT: 5.14 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VU035514.D

Acq: 26 Oct 2019 13:15

Instrument :

MSVOA_U

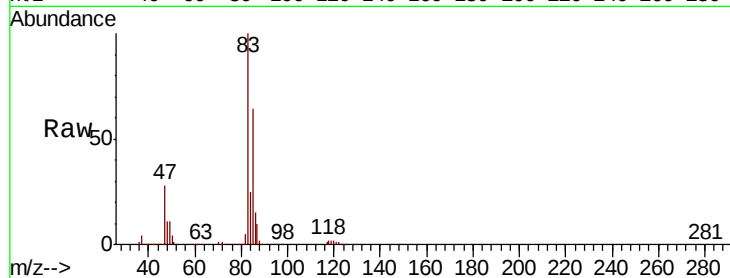
ClientSampleId :

Tot Ion: 83 Resp: 1660422

Ion Ratio Lower Upper

83 100

85 64.5 45.1 83.9



Abundance Ion 83.00 (82.70 to 83.70): VU035512.D (-1163) (-)

Ion 85.00 (84.70 to 85.70): VU035512.D (-1163) (-)

5.14

800000

600000

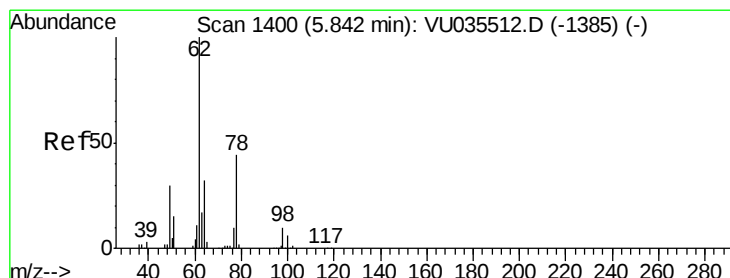
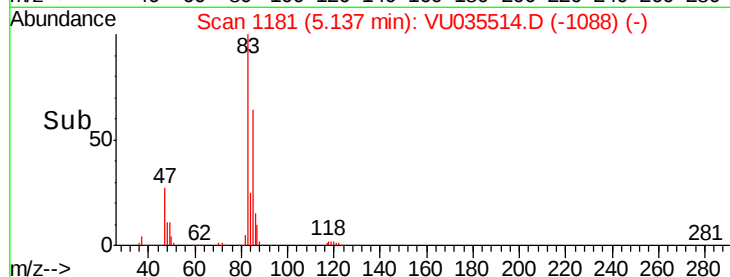
400000

200000

0

5.10 5.20

Time-->



#27

1,2-Dichloroethane

Concen: 201.508 ug/L

RT: 5.84 min Scan# 1400

Delta R.T. -0.00 min

Lab File: VU035514.D

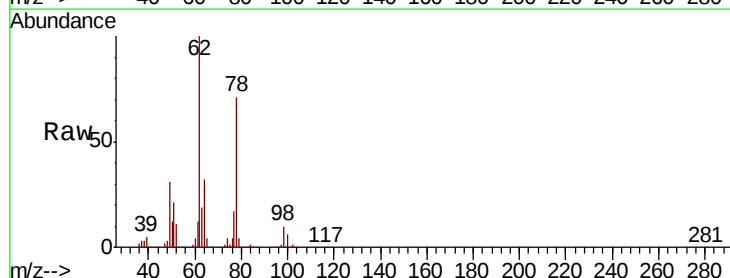
Acq: 26 Oct 2019 13:15

Tgt Ion: 62 Resp: 1297798

Ion Ratio Lower Upper

62 100

98 9.7 7.8 11.6



Abundance Ion 62.00 (61.70 to 62.70): VU035512.D (-1385) (-)

Ion 98.00 (97.70 to 98.70): VU035512.D (-1385) (-)

5.84

600000

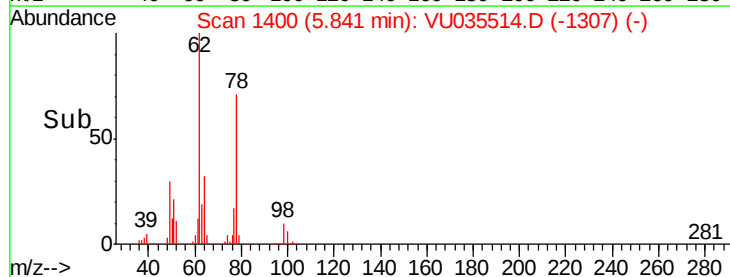
400000

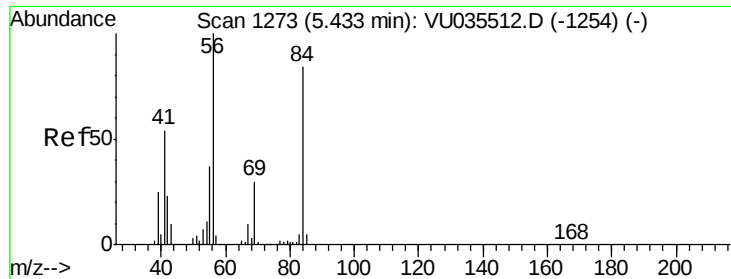
200000

0

5.75 5.80 5.85 5.90 5.95

Time-->

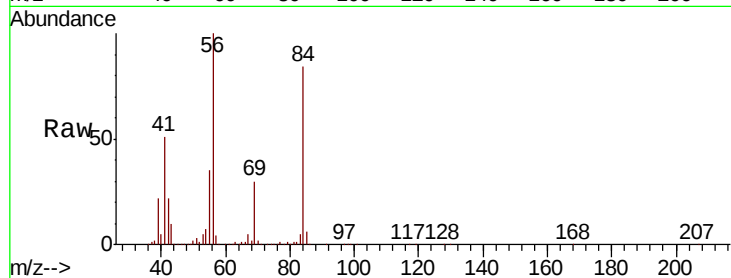




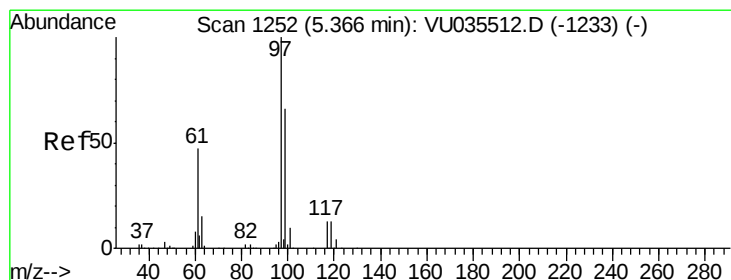
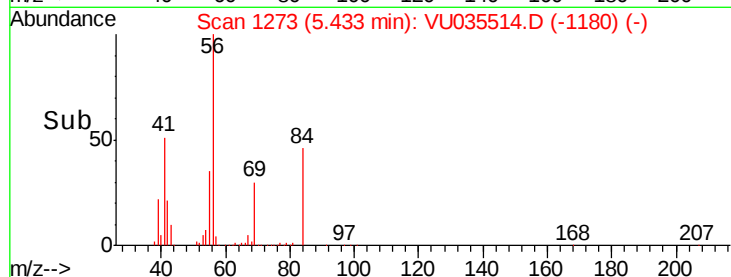
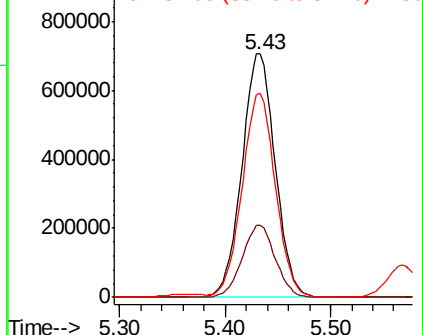
#29
Cyclohexane
Concen: 214.292 ug/L
RT: 5.43 min Scan# 1273
Delta R.T. -0.00 min
Lab File: VU035514.D
Acq: 26 Oct 2019 13:15

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 56 Resp: 1547730
Ion Ratio Lower Upper
56 100
69 29.5 23.7 35.5
84 83.8 67.7 101.5

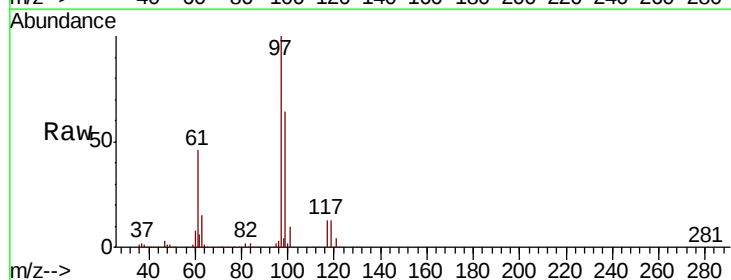


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

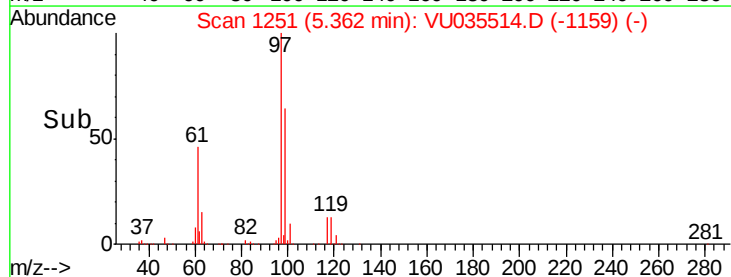
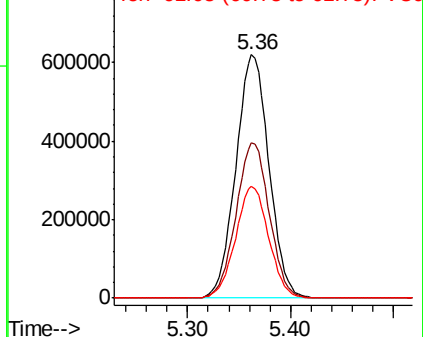


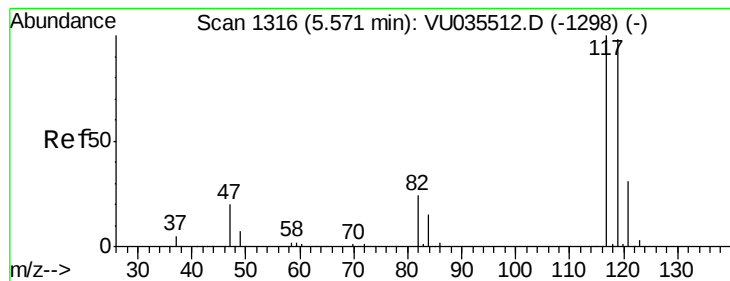
#30
1,1,1-Trichloroethane
Concen: 196.080 ug/L
RT: 5.36 min Scan# 1251
Delta R.T. -0.00 min
Lab File: VU035514.D
Acq: 26 Oct 2019 13:15

Tgt Ion: 97 Resp: 1386374
Ion Ratio Lower Upper
97 100
99 64.2 51.6 77.4
61 46.0 37.3 55.9



Abundance Ion 97.00 (96.70 to 97.70): VU0
Ion 99.00 (98.70 to 99.70): VU0
Ion 61.05 (60.75 to 61.75): VU0





#31

Carbon tetrachloride

Concen: 198.321 ug/L

RT: 5.57 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VU035514.D

Acq: 26 Oct 2019 13:15

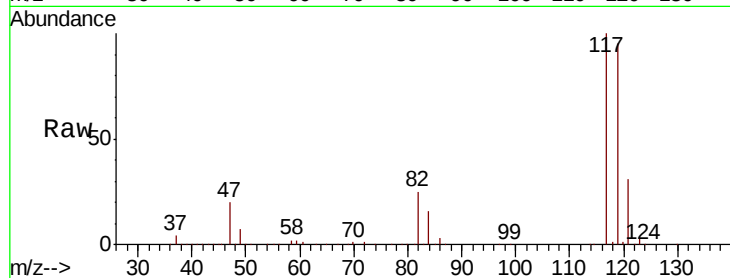
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 1225289

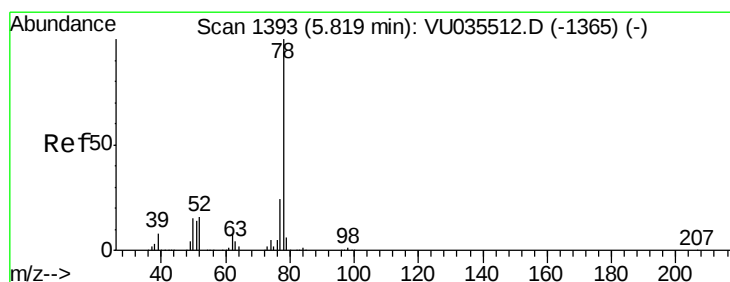
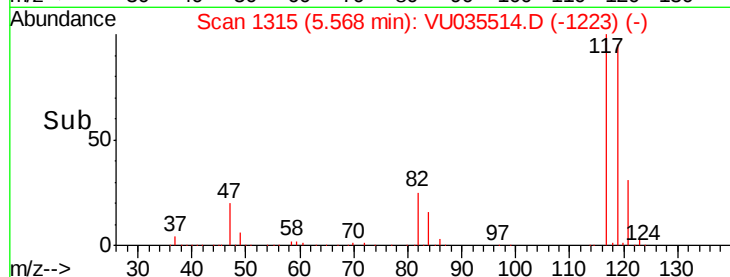
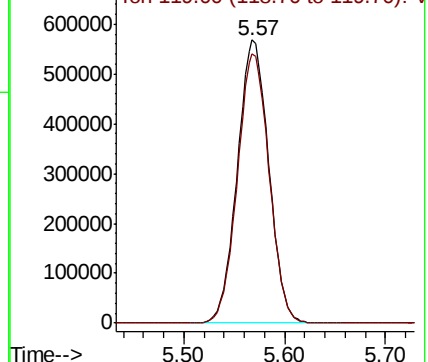
Ion Ratio Lower Upper

117 100

119 95.8 77.8 116.6



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



#33

Benzene

Concen: 204.818 ug/L

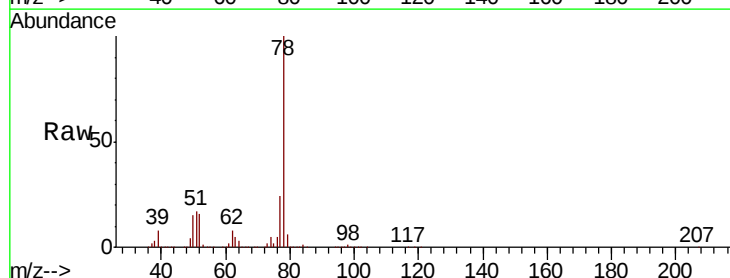
RT: 5.82 min Scan# 1393

Delta R.T. -0.00 min

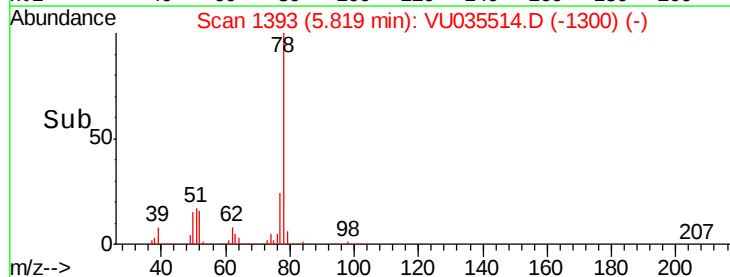
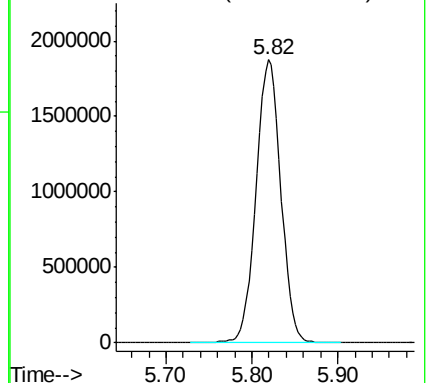
Lab File: VU035514.D

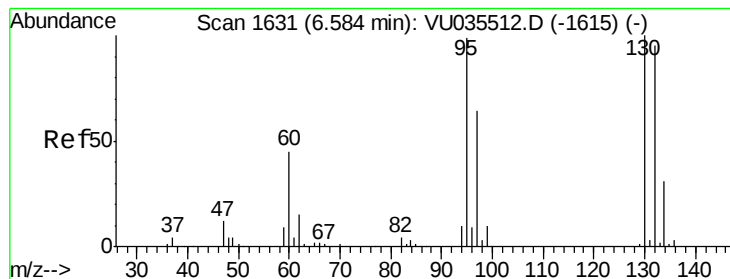
Acq: 26 Oct 2019 13:15

Tgt Ion: 78 Resp: 3776841



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 199.357 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VU035514.D

Acq: 26 Oct 2019 13:15

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 932882

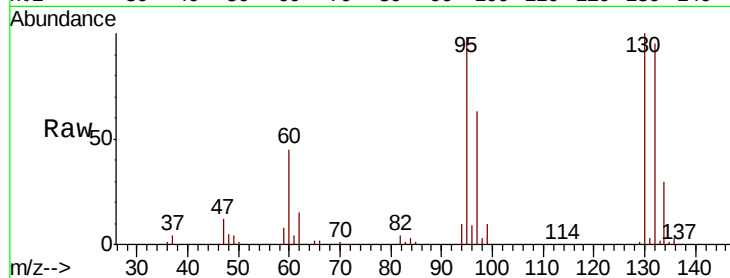
Ion Ratio Lower Upper

95 100

97 64.3 45.1 83.7

132 96.7 67.2 124.8

130 101.8 70.6 131.0

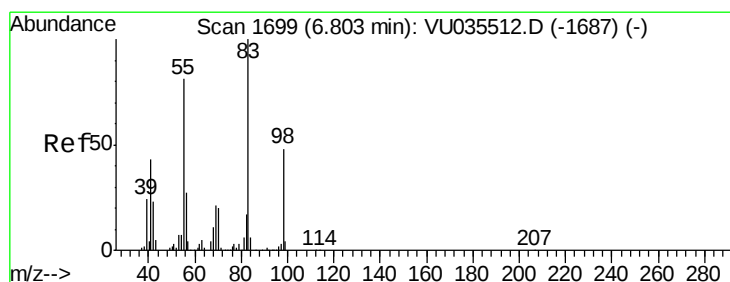
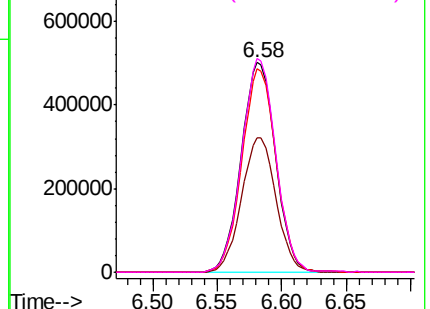
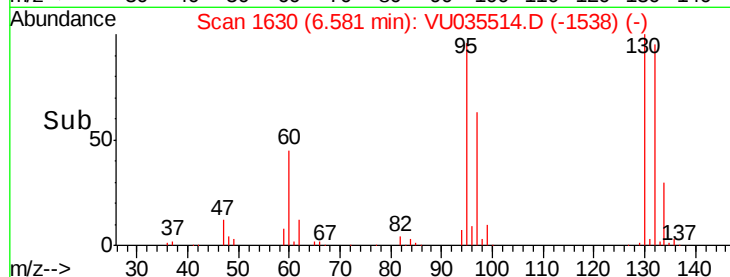


Abundance Ion 95.00 (94.70 to 95.70): VU035514.D (-1615) (-)

Ion 97.00 (96.70 to 97.70): VU035514.D (-1615) (-)

Ion 132.00 (131.70 to 132.70): VU035514.D (-1615) (-)

Ion 130.00 (129.70 to 130.70): VU035514.D (-1615) (-)



#35

Methylcyclohexane

Concen: 200.067 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VU035514.D

Acq: 26 Oct 2019 13:15

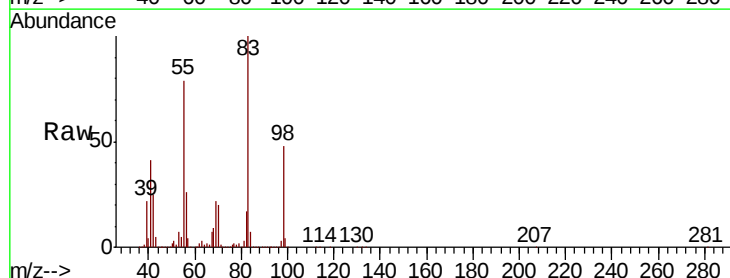
Tgt Ion: 83 Resp: 1425374

Ion Ratio Lower Upper

83 100

55 78.4 65.1 97.7

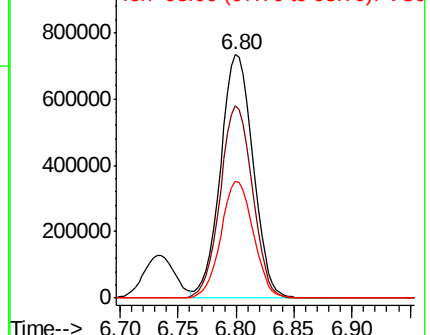
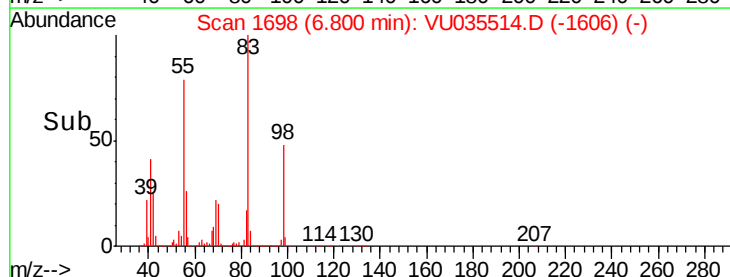
98 47.8 38.9 58.3

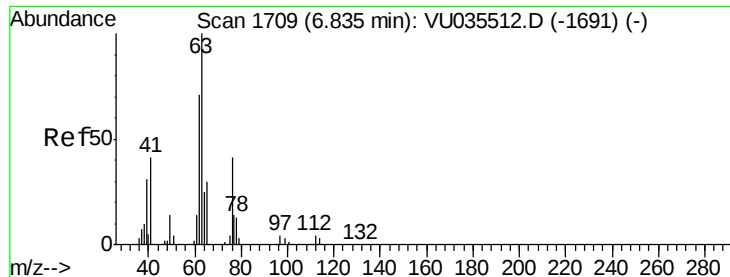


Abundance Ion 83.00 (82.70 to 83.70): VU035514.D (-1606) (-)

Ion 55.00 (54.70 to 55.70): VU035514.D (-1606) (-)

Ion 98.00 (97.70 to 98.70): VU035514.D (-1606) (-)





#37

1,2-Dichloropropane

Concen: 213.294 ug/L

RT: 6.83 min Scan# 1709

Delta R.T. -0.00 min

Lab File: VU035514.D

Acq: 26 Oct 2019 13:15

Instrument :

MSVOA_U

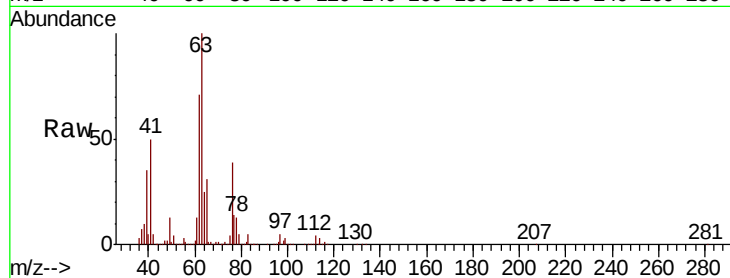
ClientSampleId :

Tot Ion: 63 Resp: 1025255

Ion Ratio Lower Upper

63 100

112 4.1 3.4 5.0



Abundance Ion 63.00 (62.70 to 63.70): VU035514.D (-1616) (-)

Ion 112.00 (111.70 to 112.70): VU035514.D (-1616) (-)

6.83

600000

500000

400000

300000

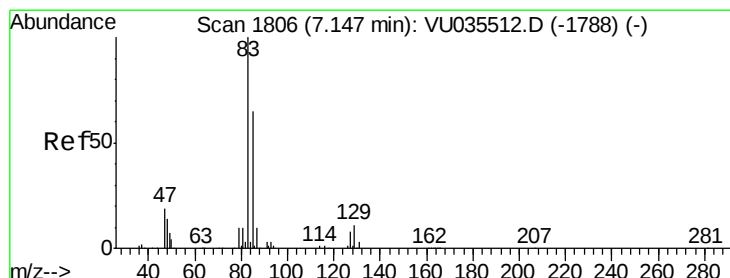
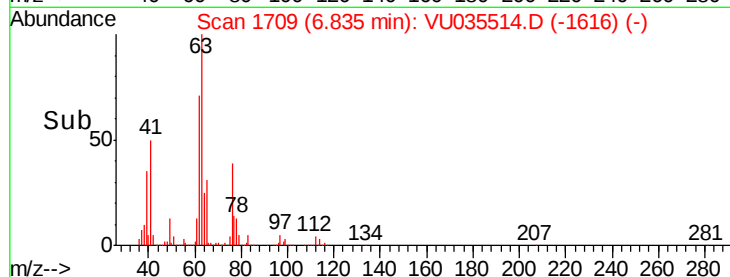
200000

100000

0

6.75 6.80 6.85 6.90

Time-->



#38

Bromodichloromethane

Concen: 204.432 ug/L

RT: 7.15 min Scan# 1806

Delta R.T. -0.00 min

Lab File: VU035514.D

Acq: 26 Oct 2019 13:15

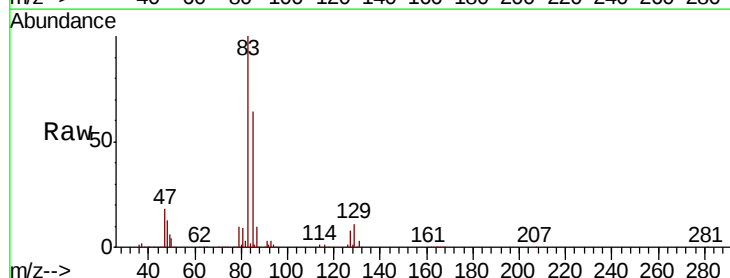
Tgt Ion: 83 Resp: 1300487

Ion Ratio Lower Upper

83 100

85 64.3 45.6 84.6

127 8.4 6.6 10.0



Abundance Ion 83.00 (82.70 to 83.70): VU035514.D (-1713) (-)

Ion 85.00 (84.70 to 85.70): VU035514.D (-1713) (-)

Ion 127.00 (126.70 to 127.70): VU035514.D (-1713) (-)

7.15

1000000

800000

600000

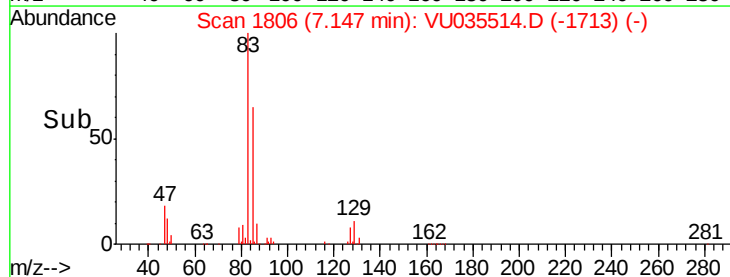
400000

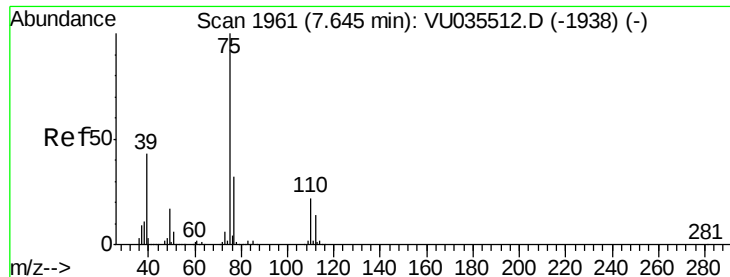
200000

0

7.05 7.10 7.15 7.20 7.25

Time-->

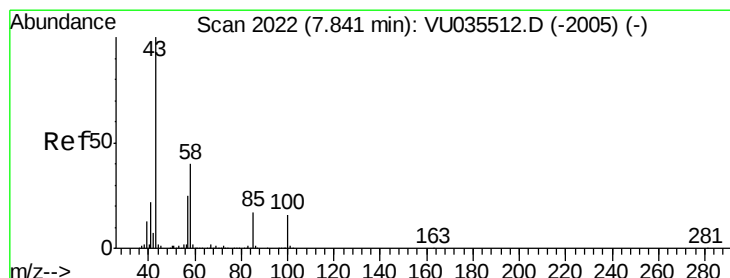
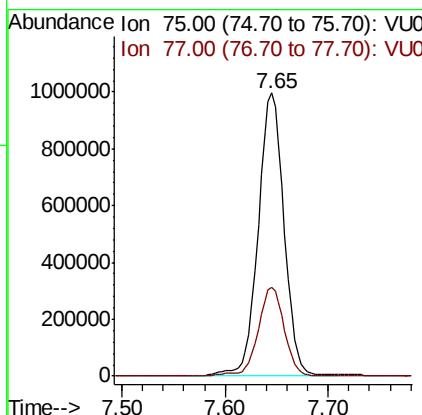
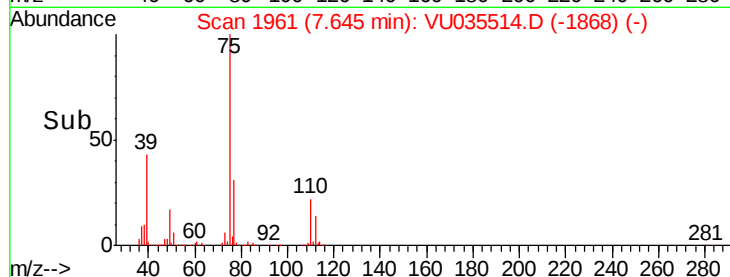
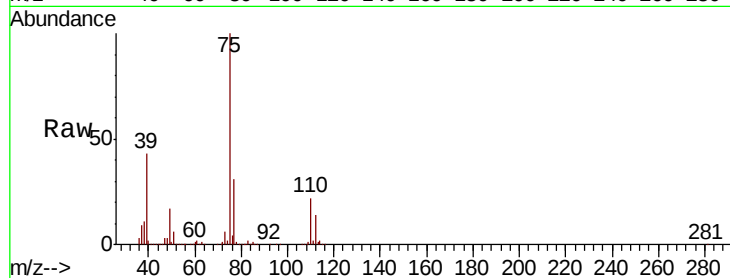




#39
 cis-1,3-Dichloropropene
 Concen: 225.261 ug/L
 RT: 7.65 min Scan# 1961
 Delta R.T. -0.00 min
 Lab File: VU035514.D
 Acq: 26 Oct 2019 13:15

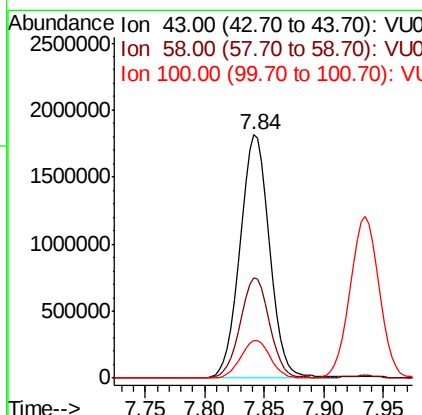
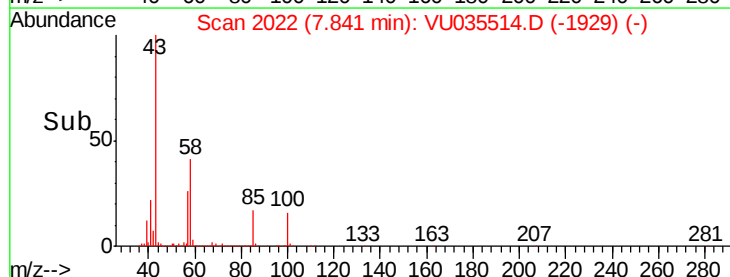
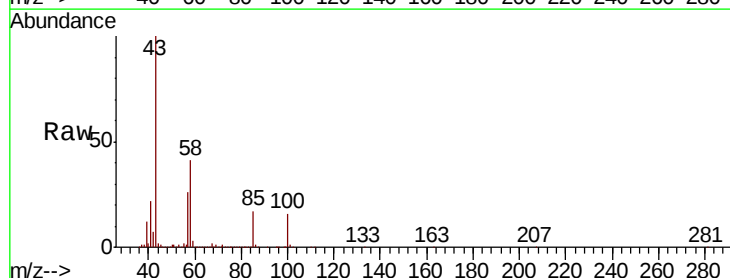
Instrument :
 MSVOA_U
 ClientSampled :

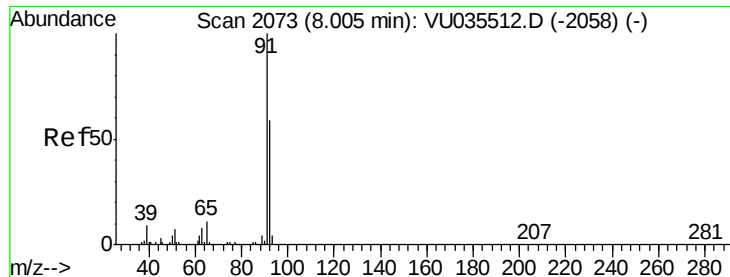
Tot Ion: 75 Resp: 1730727
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 444.225 ug/L
 RT: 7.84 min Scan# 2022
 Delta R.T. -0.00 min
 Lab File: VU035514.D
 Acq: 26 Oct 2019 13:15

Tgt Ion: 43 Resp: 3130765
 Ion Ratio Lower Upper
 43 100
 58 41.1 31.9 47.9
 100 15.6 12.3 18.5





#42

Toluene

Concen: 202.342 ug/L

RT: 8.01 min Scan# 2073

Delta R.T. -0.00 min

Lab File: VU035514.D

Acq: 26 Oct 2019 13:15

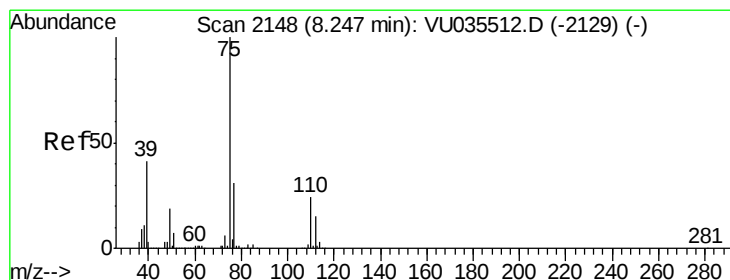
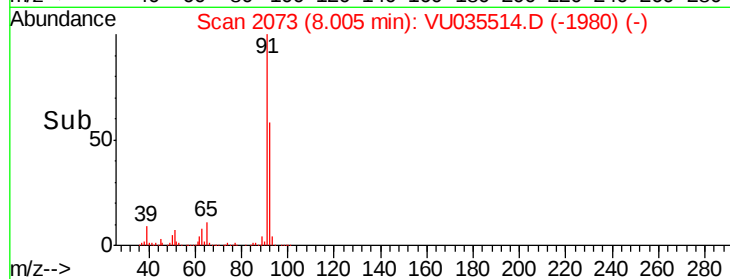
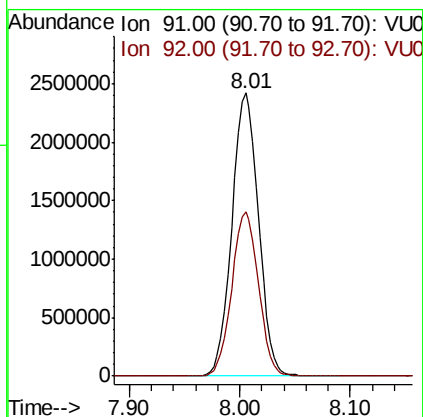
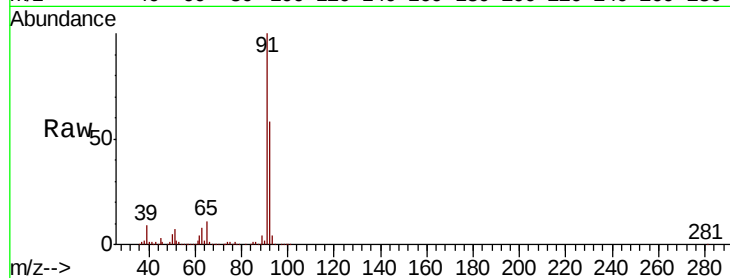
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 4052490

Ion Ratio Lower Upper

91 100

92 58.1 41.0 76.2



#44

trans-1,3-Dichloropropene

Concen: 216.570 ug/L

RT: 8.25 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VU035514.D

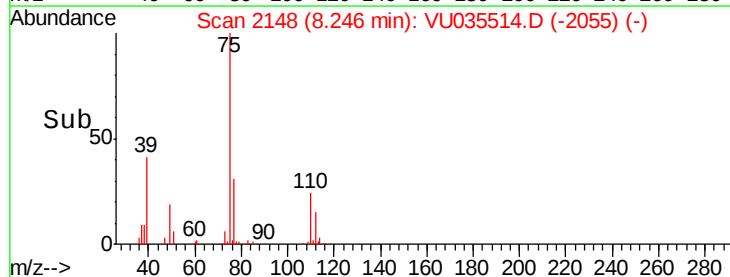
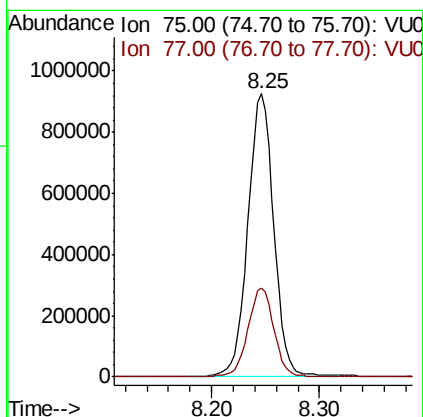
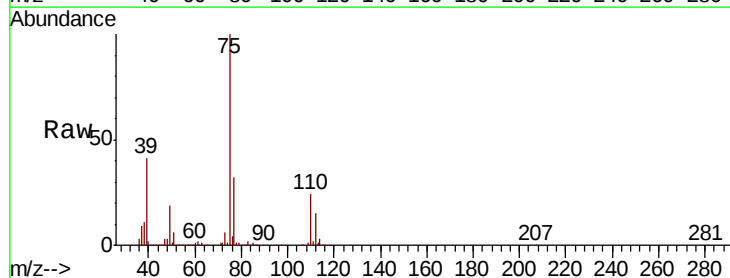
Acq: 26 Oct 2019 13:15

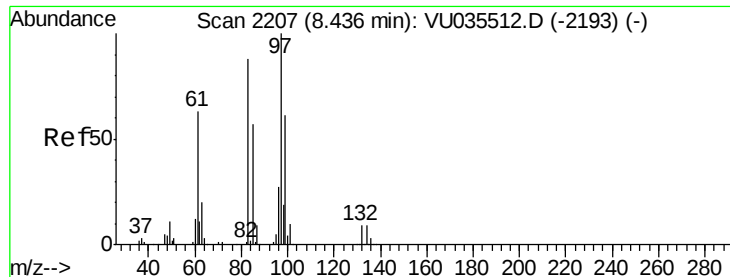
Tgt Ion: 75 Resp: 1546224

Ion Ratio Lower Upper

75 100

77 31.5 21.9 40.7

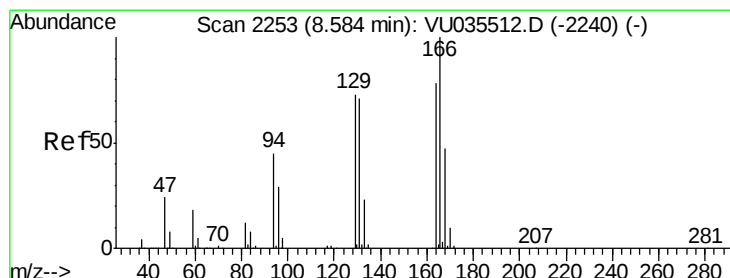
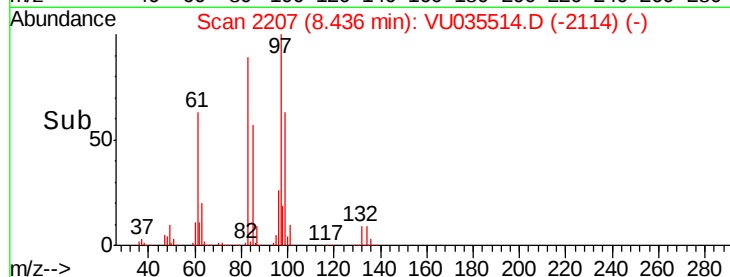
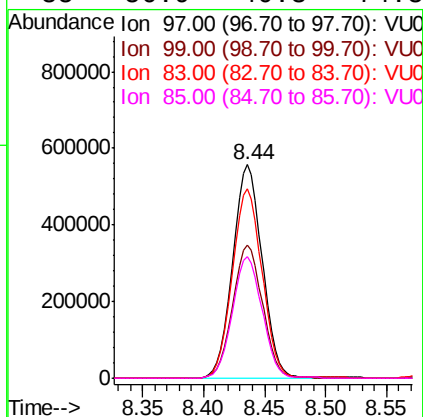
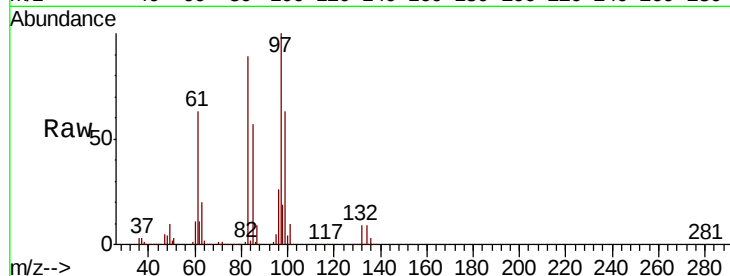




#45
 1,1,2-Trichloroethane
 Concen: 200.559 ug/L
 RT: 8.44 min Scan# 2207
 Delta R.T. -0.00 min
 Lab File: VU035514.D
 Acq: 26 Oct 2019 13:15

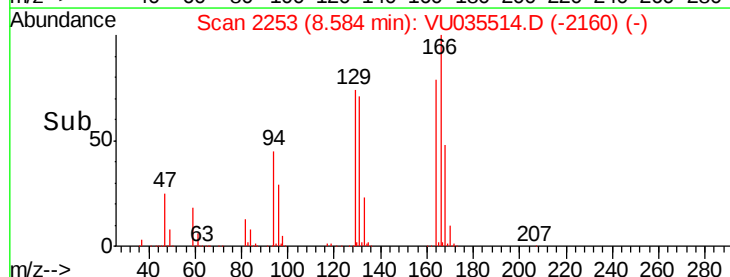
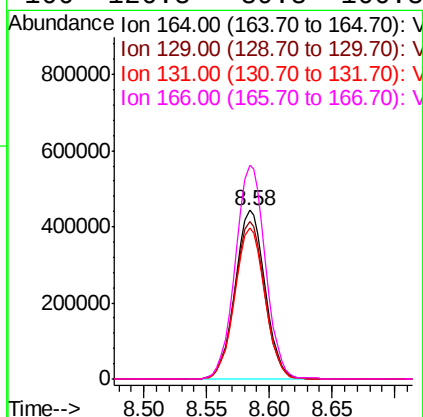
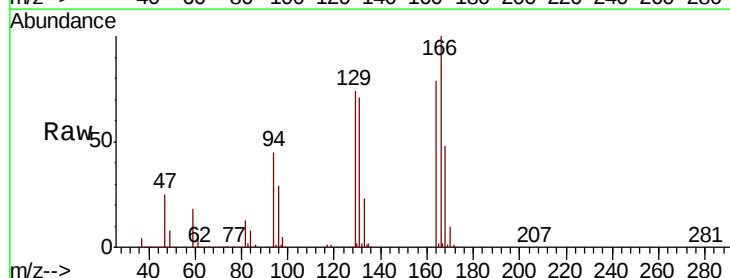
Instrument :
 MSVOA_U
 ClientSampleId :

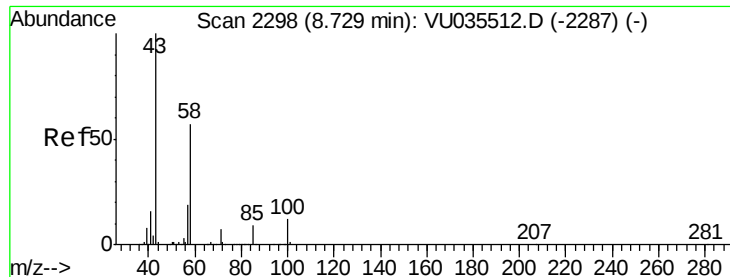
Tot Ion:	97	Resp:	939745
Ion	Ratio	Lower	Upper
97	100		
99	62.6	42.7	79.3
83	88.7	61.7	114.5
85	56.9	40.3	74.8



#46
 Tetrachloroethene
 Concen: 195.033 ug/L
 RT: 8.58 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VU035514.D
 Acq: 26 Oct 2019 13:15

Tgt Ion:	164	Resp:	734721
Ion	Ratio	Lower	Upper
164	100		
129	93.4	65.9	122.3
131	89.6	63.6	118.0
166	126.8	89.8	166.8

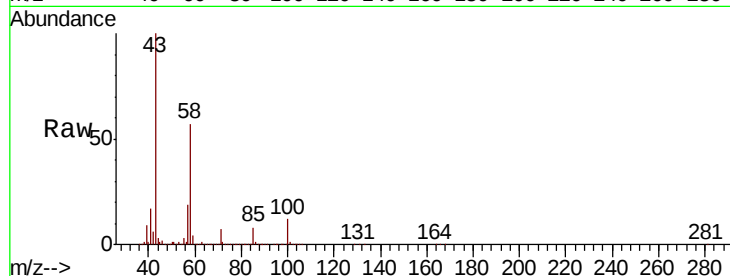




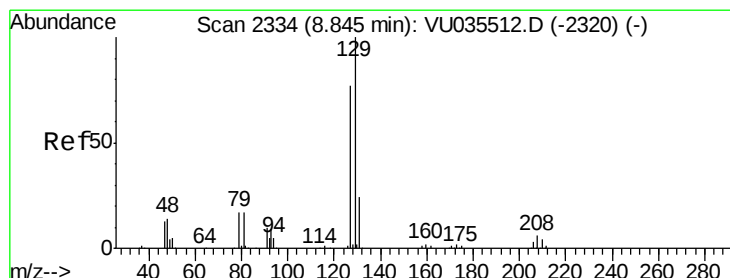
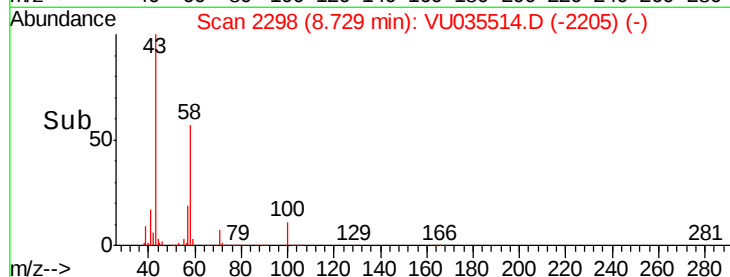
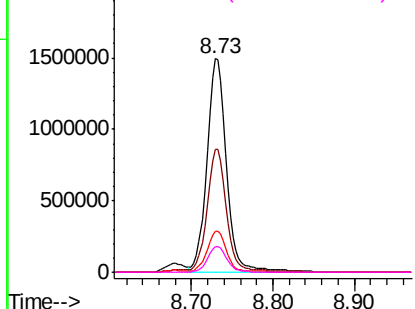
#48
2-Hexanone
Concen: 423.016 ug/L
RT: 8.73 min Scan# 2298
Delta R.T. -0.00 min
Lab File: VU035514.D
Acq: 26 Oct 2019 13:15

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 2523779
Ion Ratio Lower Upper
43 100
58 57.5 45.6 68.4
57 18.8 14.1 21.1
100 12.0 9.2 13.8

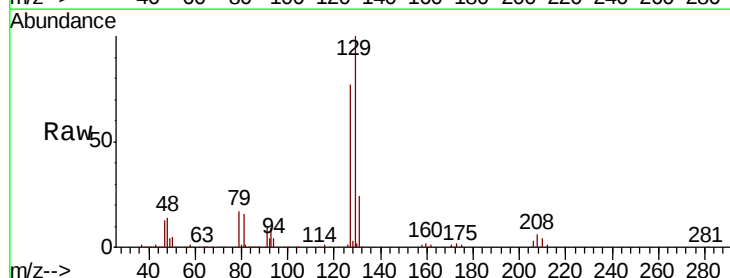


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

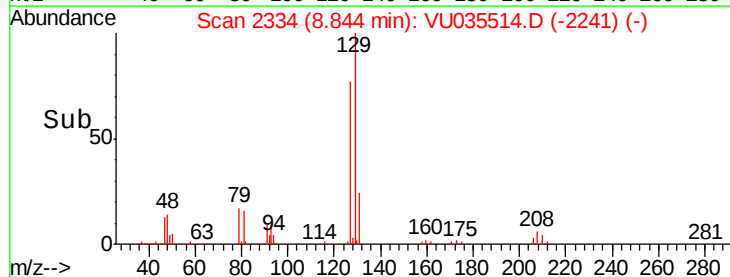
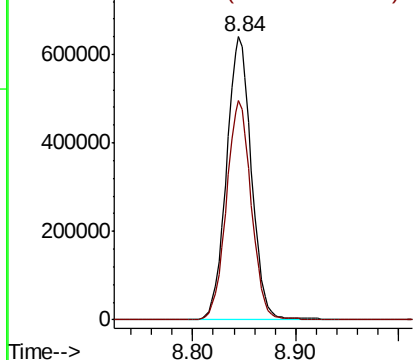


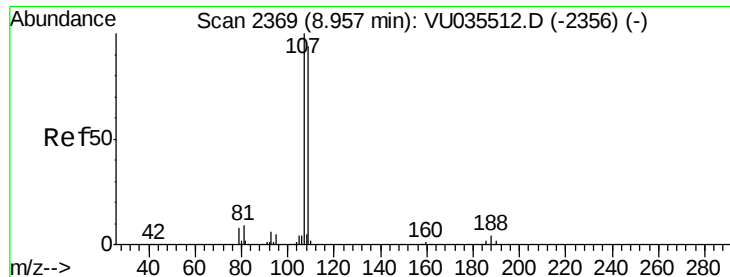
#49
Dibromochloromethane
Concen: 207.315 ug/L
RT: 8.84 min Scan# 2334
Delta R.T. -0.00 min
Lab File: VU035514.D
Acq: 26 Oct 2019 13:15

Tgt Ion: 129 Resp: 1077775
Ion Ratio Lower Upper
129 100
127 77.3 53.7 99.7



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

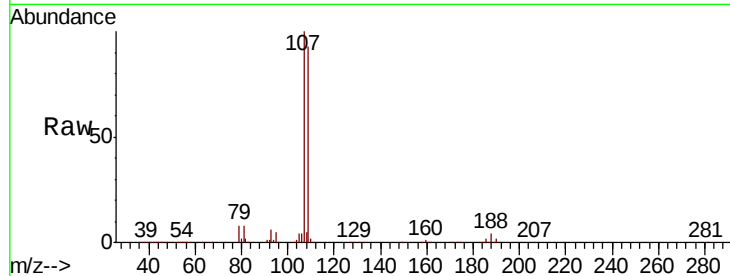




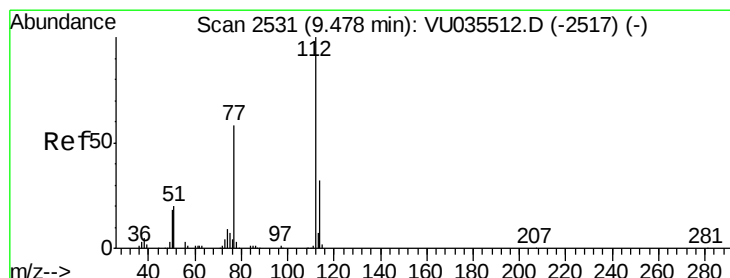
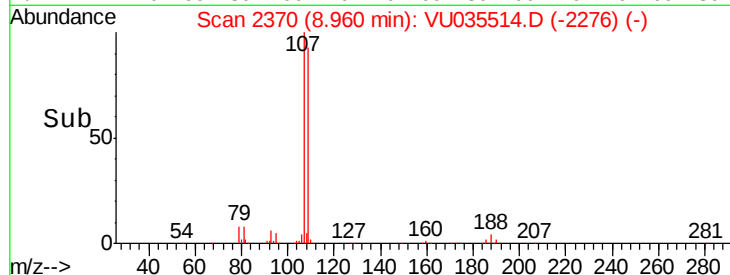
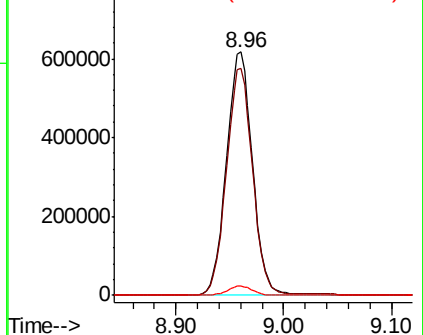
#50
1,2-Dibromoethane
Concen: 202.722 ug/L
RT: 8.96 min Scan# 2370
Delta R.T. 0.00 min
Lab File: VU035514.D
Acq: 26 Oct 2019 13:15

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:107 Resp: 1042107
Ion Ratio Lower Upper
107 100
109 93.2 65.7 122.1
188 3.7 3.1 4.7

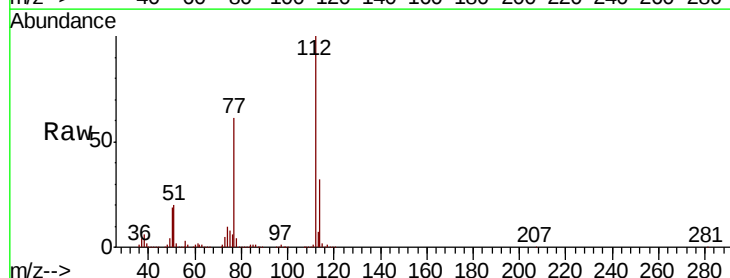


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

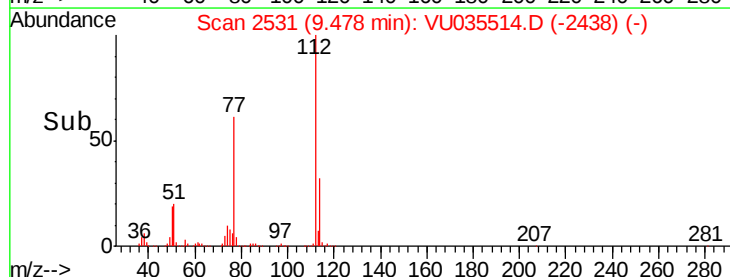
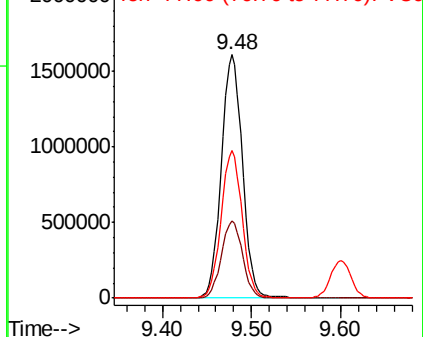


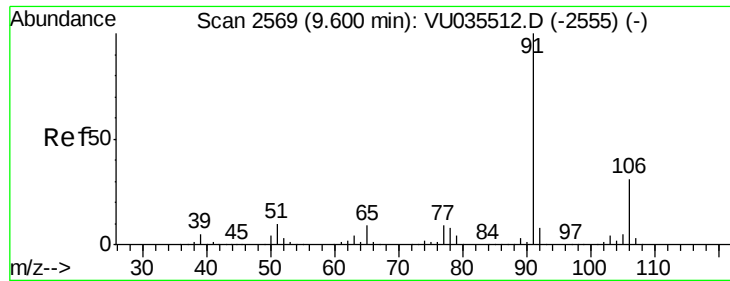
#51
Chlorobenzene
Concen: 202.813 ug/L
RT: 9.48 min Scan# 2531
Delta R.T. -0.00 min
Lab File: VU035514.D
Acq: 26 Oct 2019 13:15

Tgt Ion:112 Resp: 2639018
Ion Ratio Lower Upper
112 100
114 31.9 22.1 41.1
77 60.7 46.7 70.1



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





#52

Ethylbenzene

Concen: 208.554 ug/L

RT: 9.60 min Scan# 2569

Delta R.T. -0.00 min

Lab File: VU035514.D

Acq: 26 Oct 2019 13:15

Instrument :

MSVOA_U

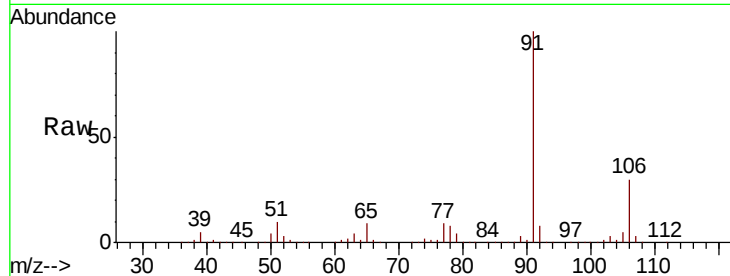
ClientSampleId :

Tot Ion: 91 Resp: 4623746

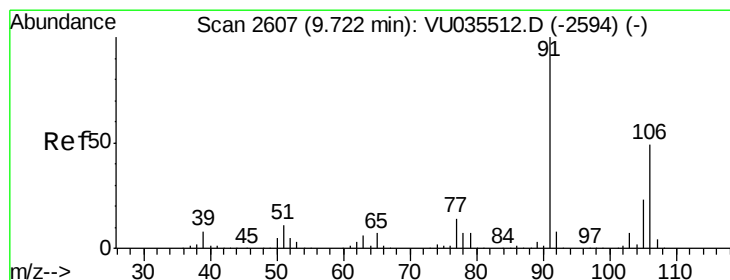
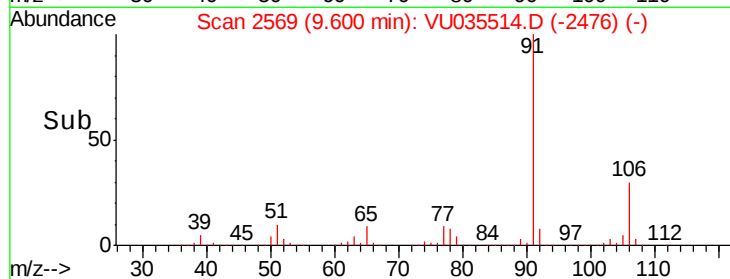
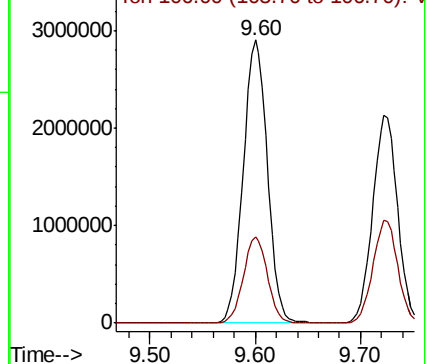
Ion Ratio Lower Upper

91 100

106 30.5 21.6 40.0



Abundance Ion 91.00 (90.70 to 91.70): VU035512.D (-2555) (-)



#53

m,p-Xylene

Concen: 211.342 ug/L

RT: 9.72 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VU035514.D

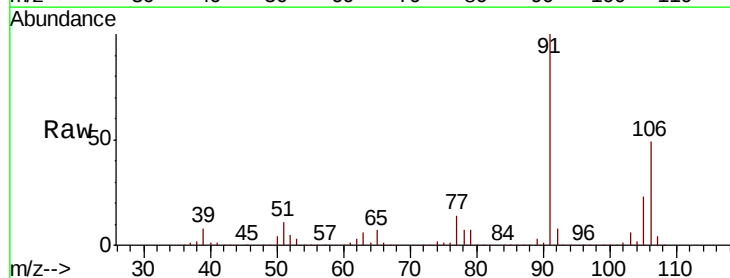
Acq: 26 Oct 2019 13:15

Tgt Ion: 106 Resp: 1738700

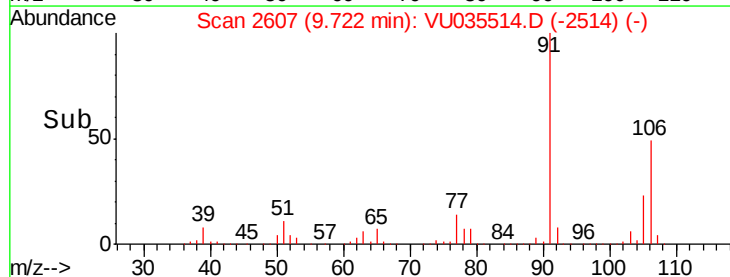
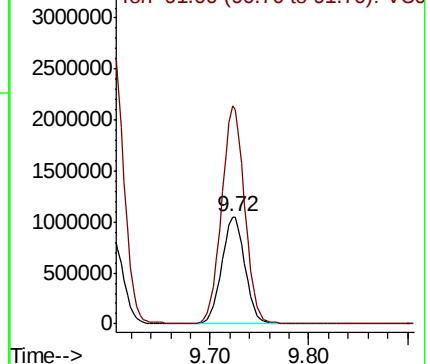
Ion Ratio Lower Upper

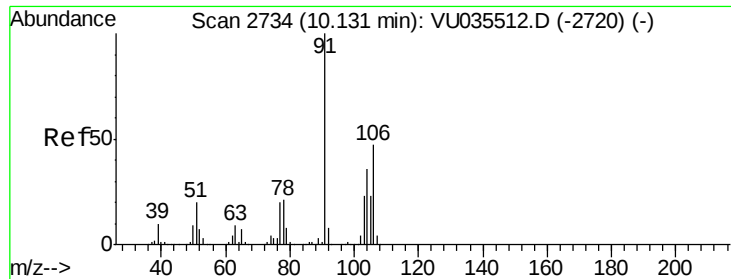
106 100

91 202.7 141.7 263.3



Abundance Ion 106.00 (105.70 to 106.70): VU035512.D (-2594) (-)

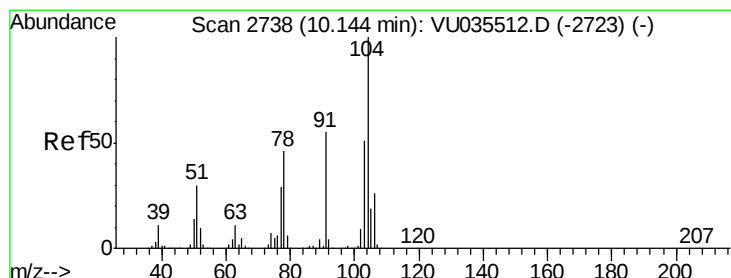
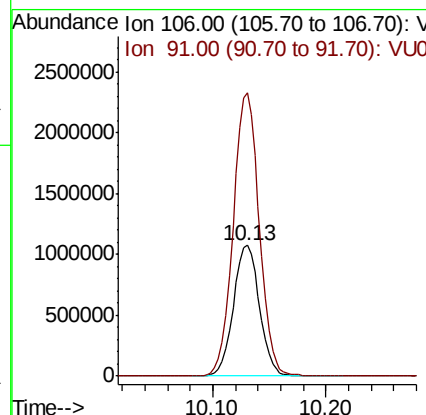
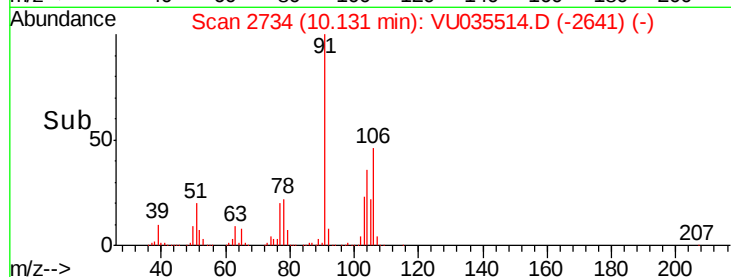
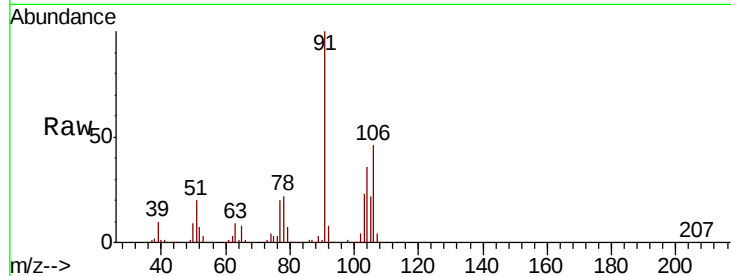




#54
o-xylene
Concen: 212.975 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VU035514.D
Acq: 26 Oct 2019 13:15

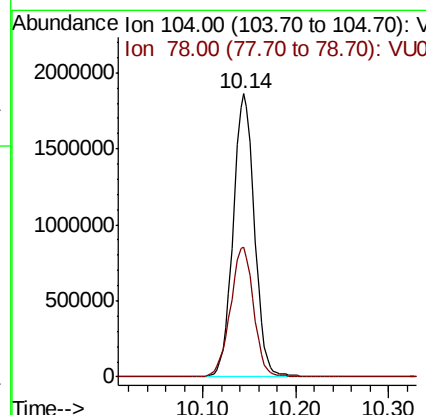
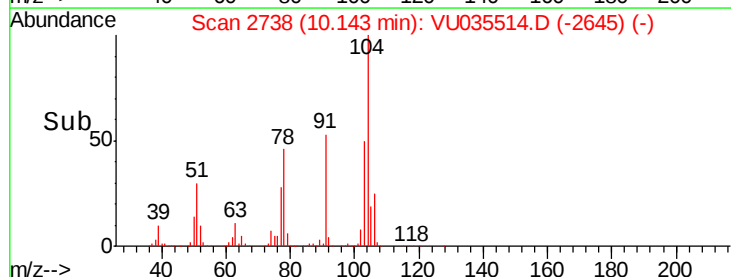
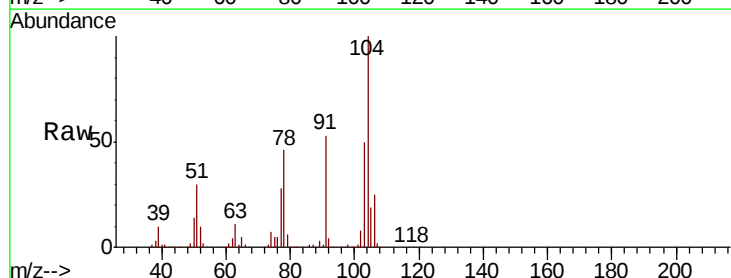
Instrument :
MSVOA_U
ClientSampleId :

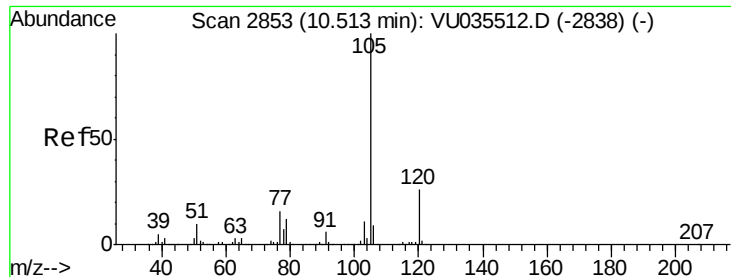
Tot Ion:106 Resp: 1724192
Ion Ratio Lower Upper
106 100
91 216.1 150.3 279.1



#55
Styrene
Concen: 224.999 ug/L
RT: 10.14 min Scan# 2738
Delta R.T. -0.00 min
Lab File: VU035514.D
Acq: 26 Oct 2019 13:15

Tgt Ion:104 Resp: 2967920
Ion Ratio Lower Upper
104 100
78 45.7 32.3 59.9





#56

Isopropylbenzene

Concen: 213.932 ug/L

RT: 10.51 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VU035514.D

Acq: 26 Oct 2019 13:15

Instrument :

MSVOA_U

ClientSampleId :

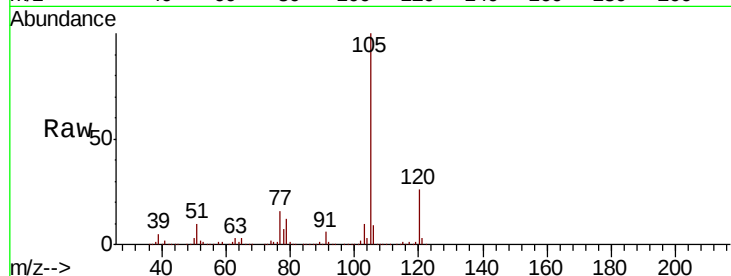
Tot Ion:105 Resp: 4456720

Ion Ratio Lower Upper

105 100

120 26.2 21.0 31.4

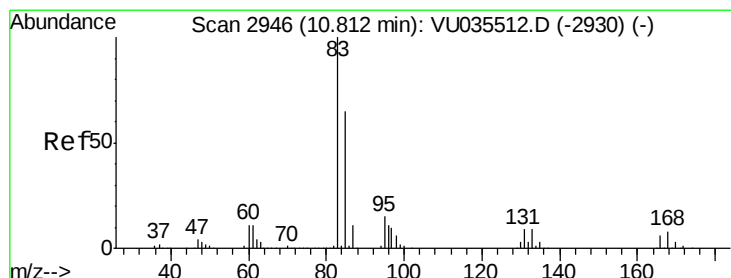
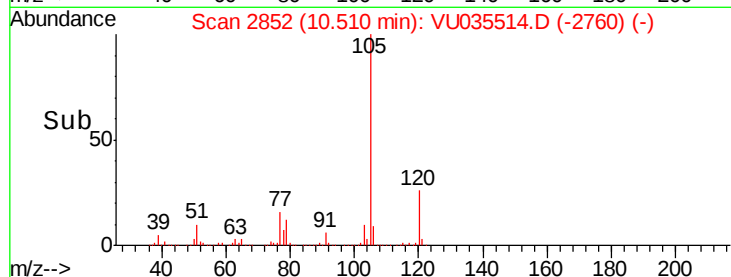
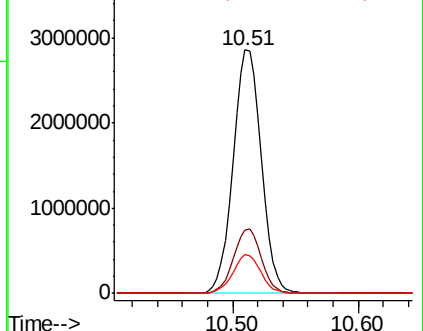
77 15.6 12.8 19.2



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: 214.251 ug/L

RT: 10.81 min Scan# 2946

Delta R.T. -0.00 min

Lab File: VU035514.D

Acq: 26 Oct 2019 13:15

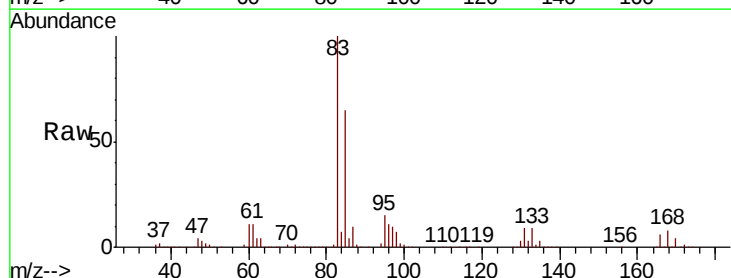
Tgt Ion: 83 Resp: 1753714

Ion Ratio Lower Upper

83 100

85 64.7 45.4 84.4

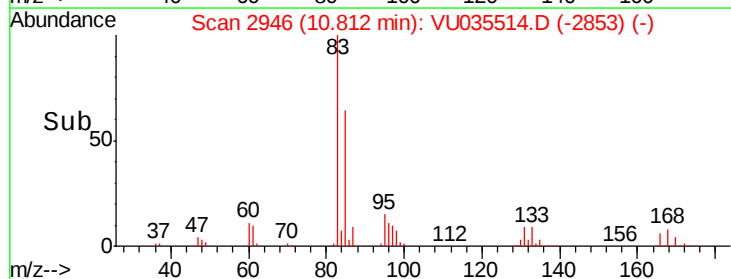
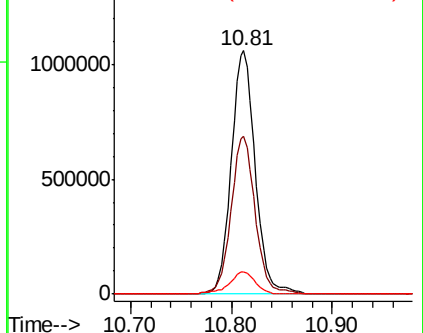
131 9.2 7.5 11.3

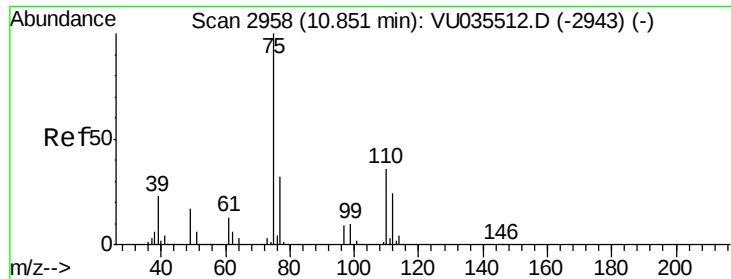


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

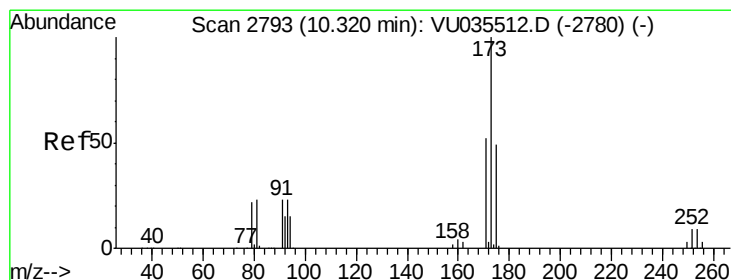
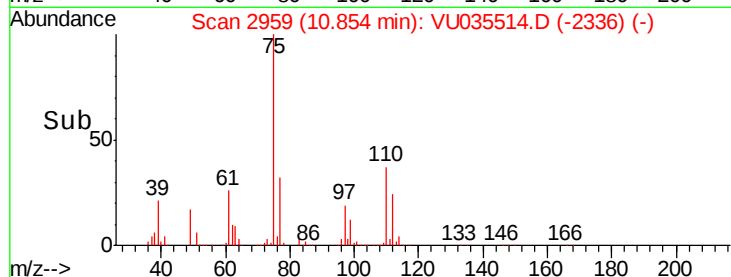
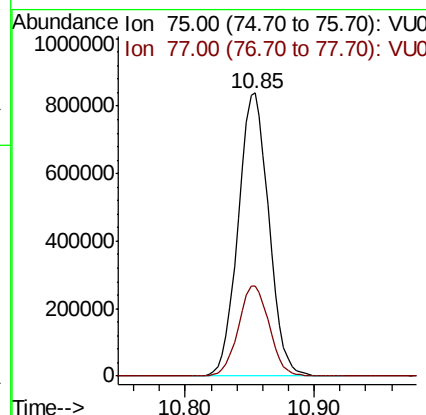
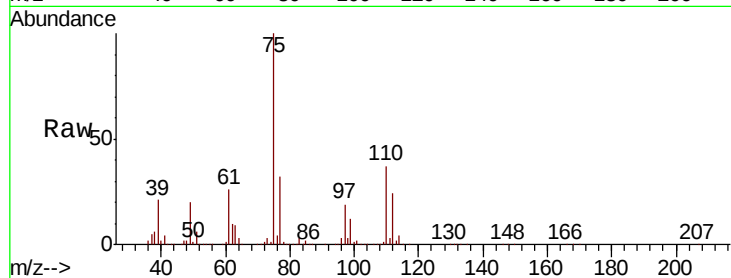




#59
1,2,3-Trichloropropane
Concen: 213.211 ug/L
RT: 10.85 min Scan# 2959
Delta R.T. 0.00 min
Lab File: VU035514.D
Acq: 26 Oct 2019 13:15

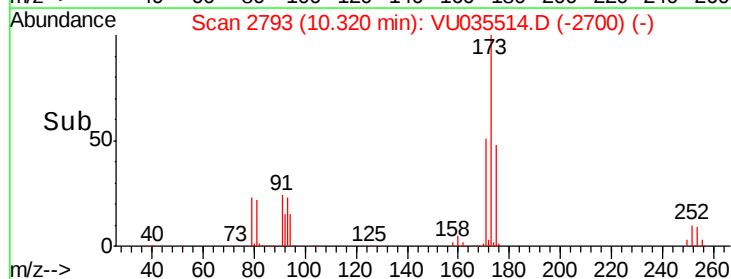
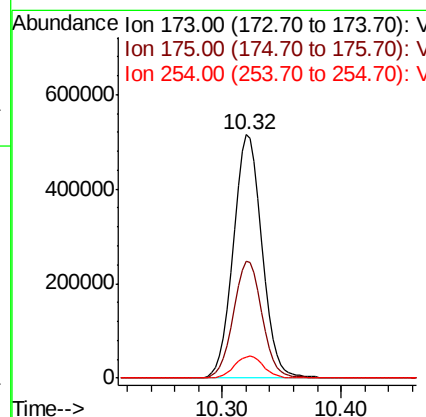
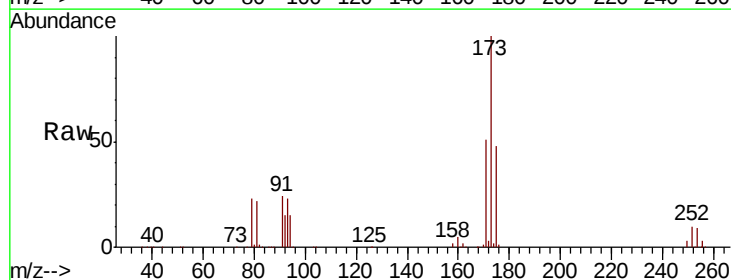
Instrument :
MSVOA_U
ClientSampleId :

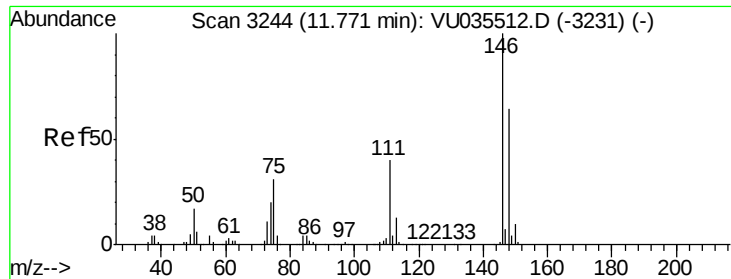
Tot Ion: 75 Resp: 1385760
Ion Ratio Lower Upper
75 100
77 32.1 25.4 38.2



#61
Bromoform
Concen: 188.120 ug/L
RT: 10.32 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VU035514.D
Acq: 26 Oct 2019 13:15

Tgt Ion:173 Resp: 860446
Ion Ratio Lower Upper
173 100
175 48.3 39.3 58.9
254 9.2 7.6 11.4





#62

1,3-Dichlorobenzene

Concen: 195.559 ug/L

RT: 11.77 min Scan# 3244

Delta R.T. -0.00 min

Lab File: VU035514.D

Acq: 26 Oct 2019 13:15

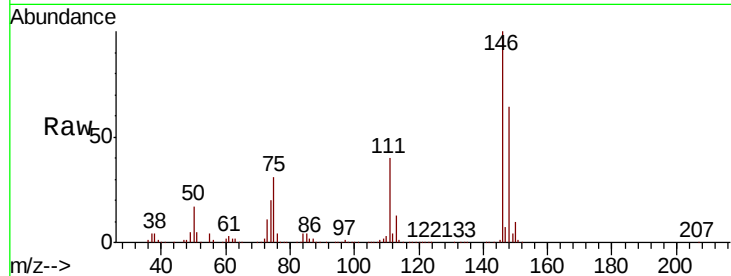
Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:146 Resp: 2024845

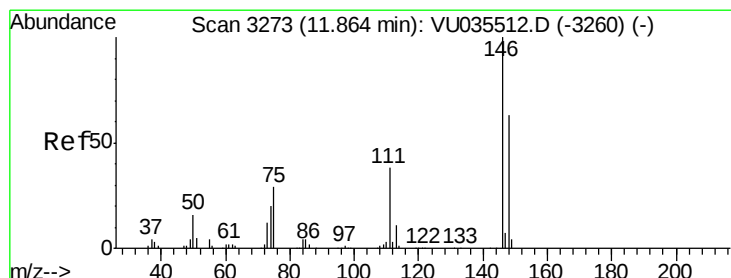
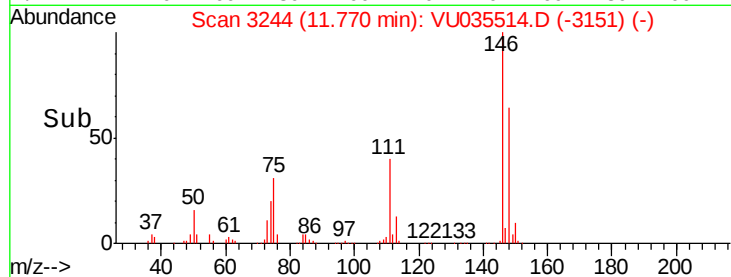
Ion	Ratio	Lower	Upper
146	100		
111	40.2	28.1	52.1
148	63.6	45.0	83.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 194.147 ug/L

RT: 11.86 min Scan# 3272

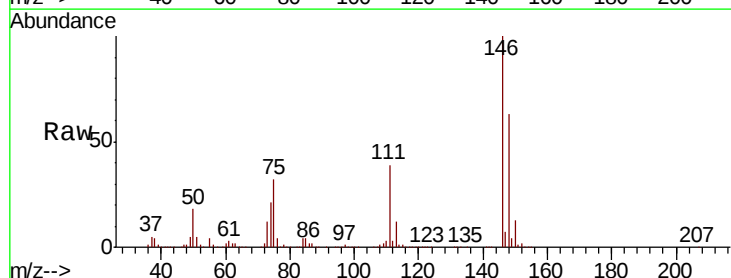
Delta R.T. -0.00 min

Lab File: VU035514.D

Acq: 26 Oct 2019 13:15

Tgt Ion:146 Resp: 2015682

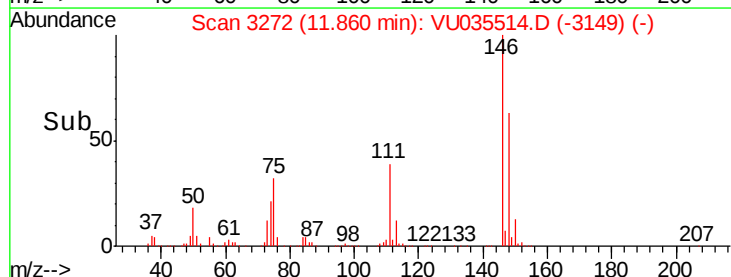
Ion	Ratio	Lower	Upper
146	100		
111	38.8	26.7	49.5
148	63.1	44.4	82.4

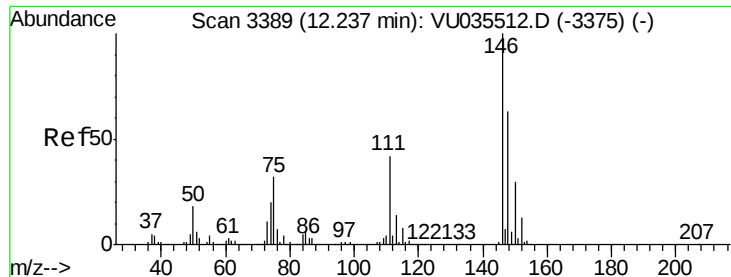


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

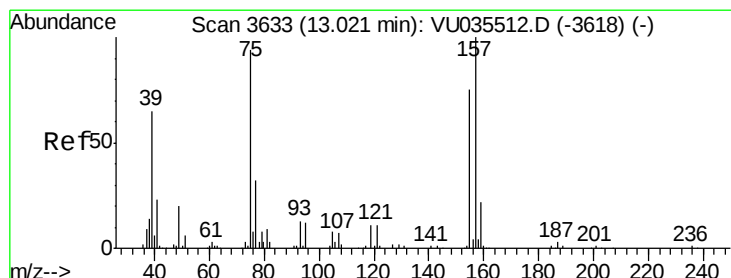
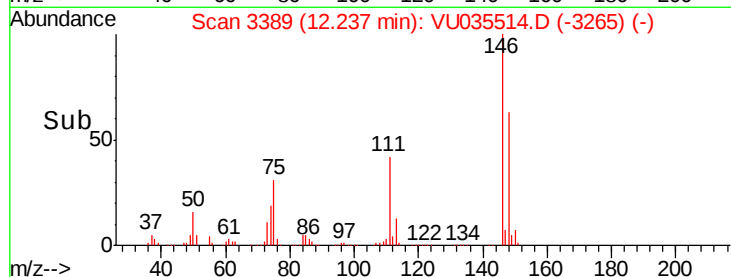
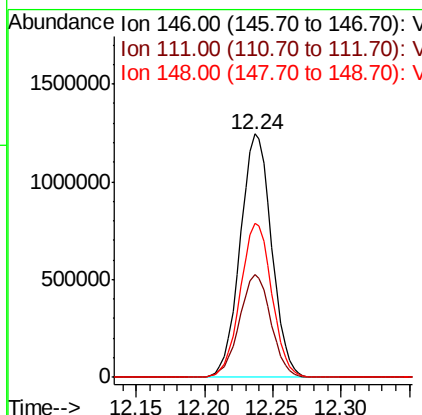
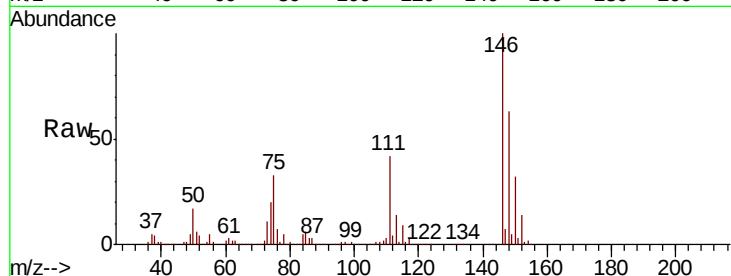




#65
 1,2-Dichlorobenzene
 Concen: 191.947 ug/L
 RT: 12.24 min Scan# 3389
 Delta R.T. -0.00 min
 Lab File: VU035514.D
 Acq: 26 Oct 2019 13:15

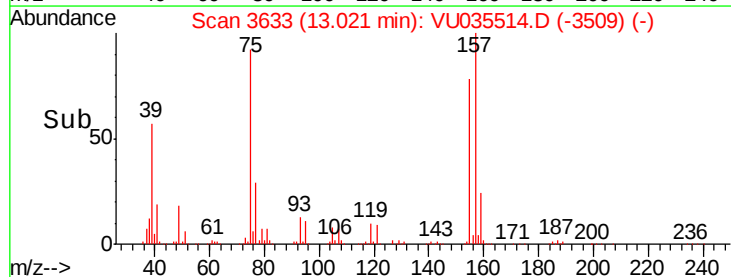
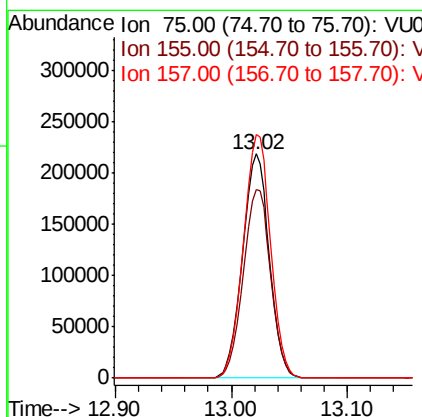
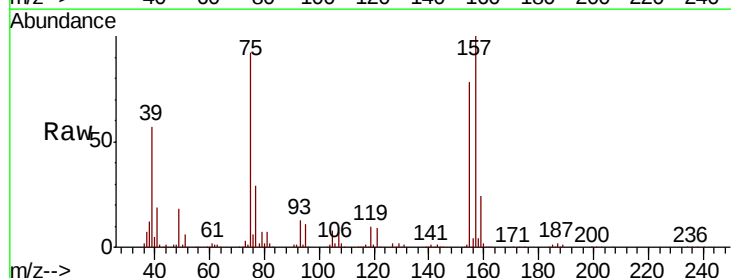
Instrument :
 MSVOA_U
 ClientSampleId :

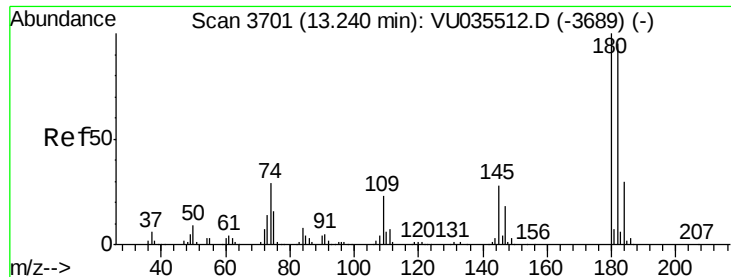
Tot Ion:146 Resp: 1985386
 Ion Ratio Lower Upper
 146 100
 111 42.0 33.6 50.4
 148 63.3 50.3 75.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 214.226 ug/L
 RT: 13.02 min Scan# 3633
 Delta R.T. -0.00 min
 Lab File: VU035514.D
 Acq: 26 Oct 2019 13:15

Tgt Ion: 75 Resp: 351952
 Ion Ratio Lower Upper
 75 100
 155 84.3 64.2 96.4
 157 108.6 85.1 127.7

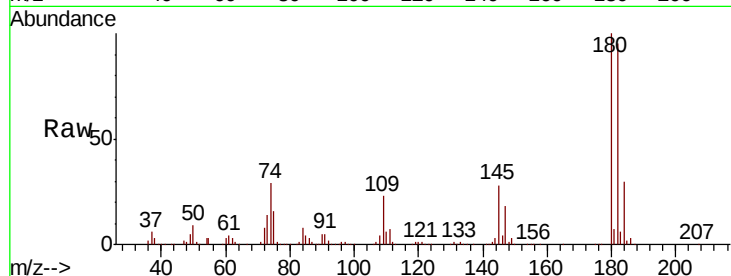




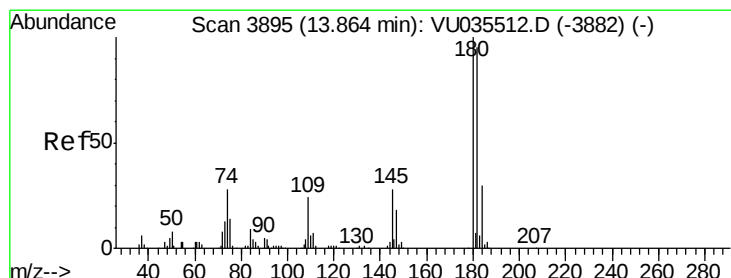
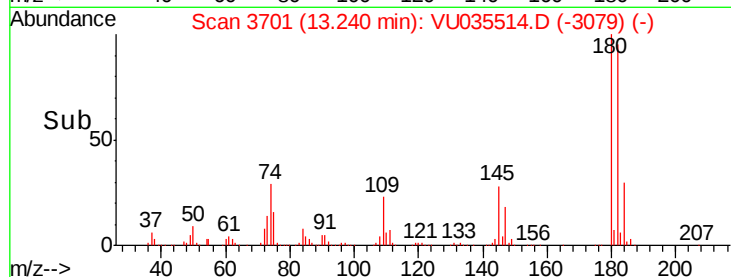
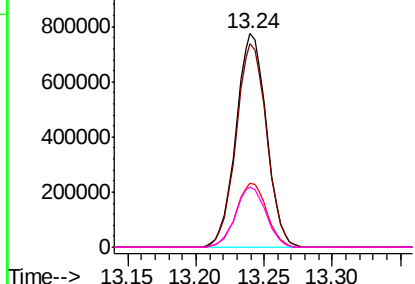
#67
 1,3,5-Trichlorobenzene
 Concen: 211.455 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. -0.00 min
 Lab File: VU035514.D
 Acq: 26 Oct 2019 13:15

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:180 Resp: 1198560
 Ion Ratio Lower Upper
 180 100
 182 95.5 76.6 114.8
 184 30.1 23.9 35.9
 145 28.1 22.4 33.6

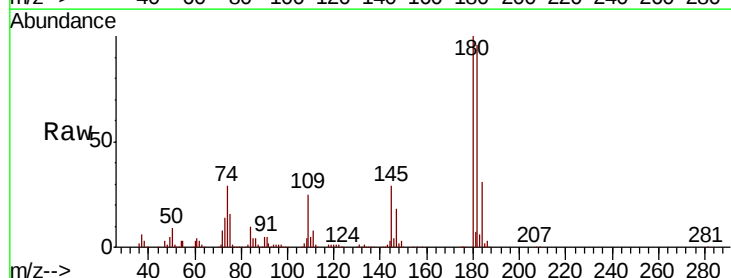


Abundance Ion 180.00 (179.70 to 180.70): V
 1200000 Ion 182.00 (181.70 to 182.70): V
 1000000 Ion 184.00 (183.70 to 184.70): V
 800000 Ion 145.00 (144.70 to 145.70): V

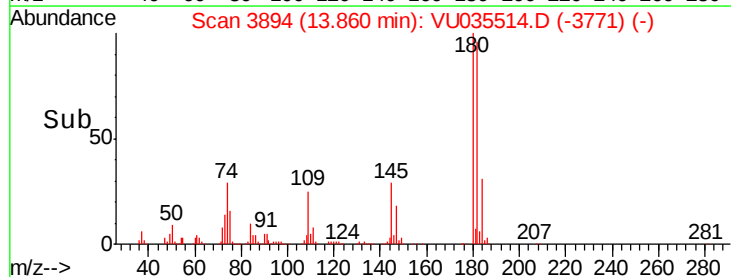
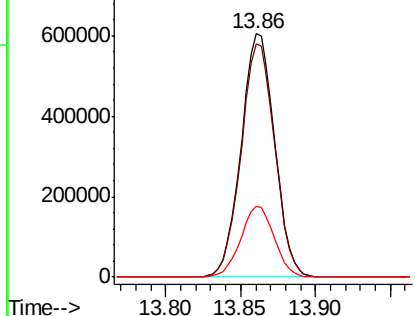


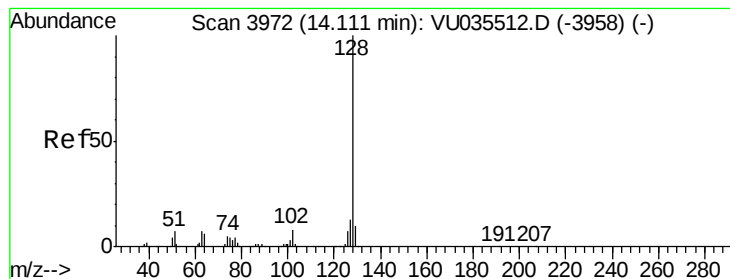
#68
 1,2,4-trichlorobenzene
 Concen: 254.720 ug/L
 RT: 13.86 min Scan# 3894
 Delta R.T. -0.00 min
 Lab File: VU035514.D
 Acq: 26 Oct 2019 13:15

Tgt Ion:180 Resp: 940447
 Ion Ratio Lower Upper
 180 100
 182 96.5 75.0 112.4
 145 29.1 22.6 34.0



Abundance Ion 180.00 (179.70 to 180.70): V
 800000 Ion 182.00 (181.70 to 182.70): V
 600000 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 294.995 ug/L

RT: 14.11 min Scan# 3971

Delta R.T. -0.00 min

Lab File: VU035514.D

Acq: 26 Oct 2019 13:15

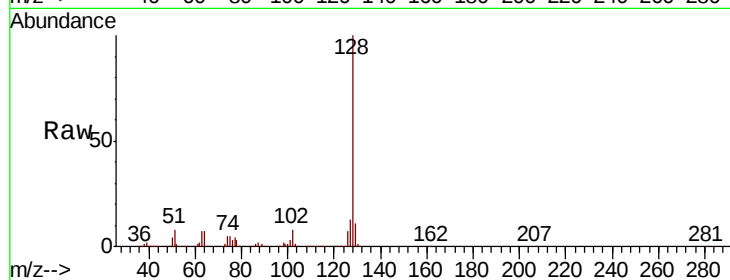
Instrument :

MSVOA_U

ClientSampled :

Tot Ion:128 Resp: 3013497

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	10.8	8.4	12.6

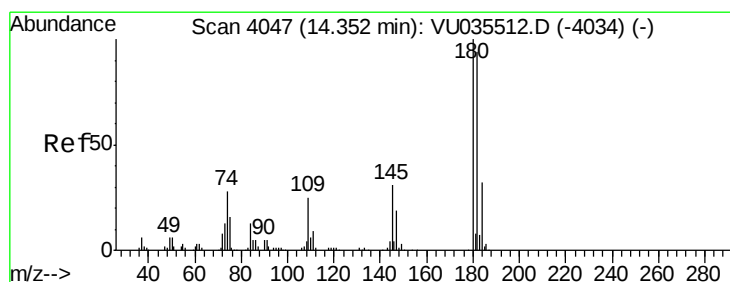
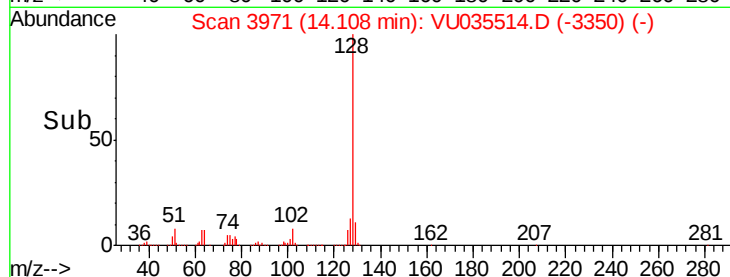
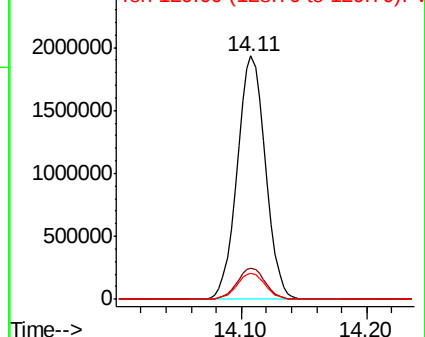


Abundance

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: 237.580 ug/L

RT: 14.35 min Scan# 4047

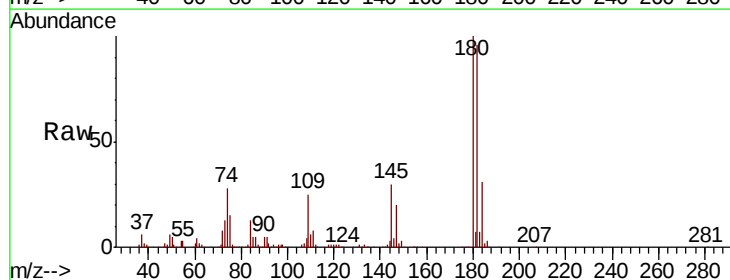
Delta R.T. -0.00 min

Lab File: VU035514.D

Acq: 26 Oct 2019 13:15

Tgt Ion:180 Resp: 908005

Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.0	114.0
145	30.6	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

