

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102220\
 Data File : VU040916.D
 Acq On : 22 Oct 2020 20:59
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Quant Time: Oct 23 06:46:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U102220DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Oct 23 06:42:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	6.12	96	65375	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.63	95	24713	0.94	ug/l	0.00
Spiked Amount	1.000		Recovery	=	94.00%	
68) 1,2-Dichlorobenzene-d4	12.19	152	26115	1.07	ug/l	0.00
Spiked Amount	1.000		Recovery	=	107.00%	

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	552013	27.340	ug/l 99
3) Chloromethane	1.53	50	568472	26.526	ug/l 97
4) Vinyl Chloride	1.61	62	553618	26.385	ug/l 99
5) Bromomethane	1.87	94	286815	19.314	ug/l 99
6) Chloroethane	1.94	64	310161	22.833	ug/l 99
7) Trichlorofluoromethane	2.15	101	683642	22.628	ug/l 100
8) 1,1,2-Trichloro-1,2,2-trif	2.59	101	378385	21.850	ug/l 100
9) 1,1-Dichloroethene	2.59	96	342687	23.185	ug/l 100
10) Iodomethane	2.74	142	449908	36.891	ug/l 99
11) Allyl Chloride	2.94	41	699466	23.751	ug/l 99
12) Acrylonitrile	3.34	53	238743	46.252	ug/l 100
13) Acetone	2.65	43	484493	105.498	ug/l 100
14) Carbon Disulfide	2.81	76	1262298	28.753	ug/l 100
15) Methylene Chloride	3.06	84	392585	17.690	ug/l 99
16) trans-1,2-Dichloroethene	3.37	96	375565	23.345	ug/l 99
17) 1,1-Dichloroethane	3.89	63	757022	21.711	ug/l 100
18) 2-Butanone	4.74	43	822003	114.419	ug/l 100
19) Cyclohexane	5.40	56	675206	22.627	ug/l 92
20) Methylcyclohexane	6.77	83	681828	25.541	ug/l 98
21) 2,2-Dichloropropane	4.68	77	611871	18.905	ug/l 100
22) cis-1,2-Dichloroethene	4.68	96	391142	21.305	ug/l 97
23) Diethyl Ether	2.39	59	339646	24.000	ug/l 99
24) tert-Butyl Alcohol	3.25	59	325056	174.367	ug/l # 84
25) Methyl tert-Butyl Ether	3.38	73	1066346	21.974	ug/l 98
26) Bromochloromethane	4.99	128	174386	21.711	ug/l 95
27) Chloroform	5.11	83	724808	20.741	ug/l 98
28) 1,1,1-Trichloroethane	5.33	97	622813	20.604	ug/l 98
29) 1,1-Dichloropropene	5.54	75	576318	22.198	ug/l 99
30) Carbon Tetrachloride	5.54	117	575208	21.038	ug/l 99
31) Isopropyl Ether	4.02	45	1219381	20.778	ug/l 97
32) Ethyl-t-butyl ether	4.53	59	1077739	20.395	ug/l 99
33) Tert-Amyl methyl ether	5.96	73	934782	20.475	ug/l 99
34) Propionitrile	4.82	54	226387	123.670	ug/l # 94
35) Benzene	5.79	78	1613010	22.450	ug/l 100
36) 1,2-Dichloroethane	5.81	62	573577	20.805	ug/l 100
37) Trichloroethene	6.55	130	384380	21.346	ug/l 93
38) 1,2-Dichloropropane	6.81	63	452106	21.785	ug/l 95
39) Methacrylonitrile	5.00	41	208683	21.494	ug/l 98
40) Methyl acrylate	4.87	55	297691	23.727	ug/l 99
41) Tetrahydrofuran	5.09	42	208226	44.215	ug/l 99
42) 1-Chlorobutane	5.47	56	870379	22.617	ug/l 100

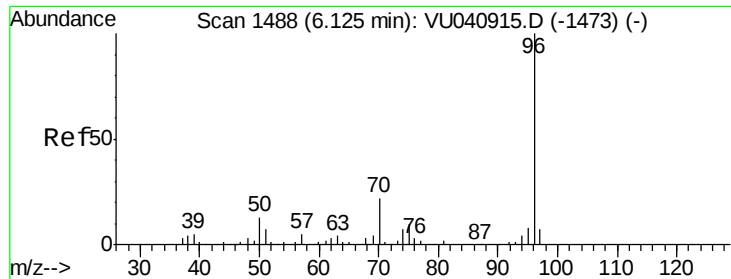
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102220\
 Data File : VU040916.D
 Acq On : 22 Oct 2020 20:59
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Quant Time: Oct 23 06:46:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U102220DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Oct 23 06:42:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.93	93	242837	20.399	ug/l	99
44) Bromodichloromethane	7.12	83	589802	20.685	ug/l	99
45) 4-Methyl-2-Pentanone	7.81	43	1957707	119.765	ug/l	99
46) t-1,4-Dichloro-2-butene	10.83	75	637094	103.055	ug/l #	56
47) Methyl methacrylate	6.98	69	507839	49.291	ug/l	99
48) Ethyl methacrylate	8.34	69	456170	24.784	ug/l	99
49) Toluene	7.98	92	992297	22.880	ug/l	99
50) t-1,3-Dichloropropene	8.22	75	575603	22.550	ug/l	99
51) cis-1,3-Dichloropropene	7.62	75	626927	22.111	ug/l	100
52) 1,1,2-Trichloroethane	8.41	97	321999	21.091	ug/l	98
53) 1,3-Dichloropropane	8.58	76	593206	21.631	ug/l	99
54) 2-Hexanone	8.70	43	1407879	119.694	ug/l	99
55) Dibromochloromethane	8.82	129	385086	21.673	ug/l	99
56) 1,2-Dibromoethane	8.93	107	314758	22.047	ug/l	96
58) Tetrachloroethene	8.56	164	337816	19.494	ug/l	99
59) Chlorobenzene	9.45	112	1025147	21.726	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.54	131	371886	21.430	ug/l	99
61) Pentachloroethane	11.43	117	293283	23.922	ug/l	98
62) Hexachloroethane	12.47	117	324450	21.597	ug/l	98
63) Ethyl Benzene	9.57	91	1901375	23.575	ug/l	100
64) m/p-Xylenes	9.69	106	1439805	47.462	ug/l	100
65) o-Xylene	10.10	106	665149	22.897	ug/l	98
66) Styrene	10.11	104	1192962	23.354	ug/l	99
67) Bromoform	10.29	173	219001	23.688	ug/l	99
69) Isopropylbenzene	10.48	105	1808593	22.787	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.78	83	446294	21.797	ug/l	99
71) 1,2,3-Trichloropropane	10.83	75	637094	40.484	ug/l	70
72) Bromobenzene	10.78	156	410564	21.828	ug/l	99
73) n-propylbenzene	10.91	120	505621	22.928	ug/l	99
74) 2-Chlorotoluene	10.99	126	416372	21.635	ug/l	97
75) 1,3,5-Trimethylbenzene	11.09	105	1590243	22.843	ug/l	99
76) 4-Chlorotoluene	11.10	126	447056	21.582	ug/l	99
77) tert-Butylbenzene	11.42	119	1499633	23.126	ug/l	99
78) 1,2,4-Trimethylbenzene	11.46	105	1649684	22.539	ug/l	99
79) sec-Butylbenzene	11.64	105	2054036	21.993	ug/l	100
80) Nitrobenzene	13.20	77	120233	141.712	ug/l	95
81) p-Isopropyltoluene	11.79	119	1749894	23.348	ug/l	100
82) 1,3-Dichlorobenzene	11.74	146	850664	20.672	ug/l	98
83) 1,4-Dichlorobenzene	11.83	146	867887	21.269	ug/l	99
84) n-Butylbenzene	12.20	91	1790836	23.434	ug/l	100
85) 1,2-Dichlorobenzene	12.21	146	845667	21.399	ug/l	100
86) 1,2-Dibromo-3-Chloropropan	12.99	75	87010	23.172	ug/l	99
87) 1,2,4-Trichlorobenzene	13.83	180	560611	24.556	ug/l	99
88) Hexachlorobutadiene	14.01	225	273727	22.939	ug/l	98
89) Naphthalene	14.08	128	1289612	28.958	ug/l	100
90) 1,2,3-Trichlorobenzene	14.32	180	541540	25.018	ug/l	99

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.12 min Scan# 1488

Delta R.T. -0.00 min

Lab File: VU040916.D

Acq: 22 Oct 2020 20:59

Instrument :

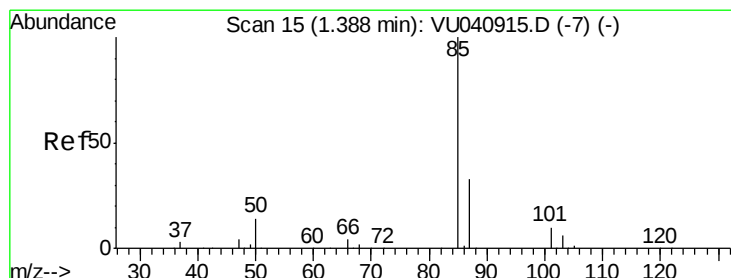
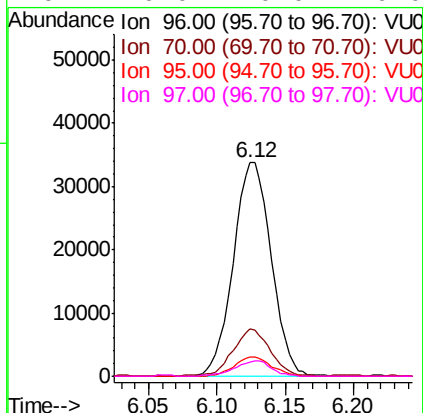
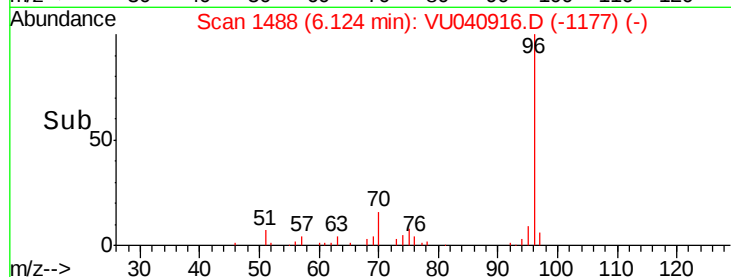
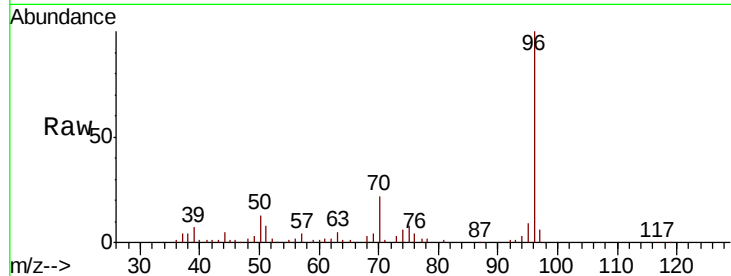
MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 96 Resp: 65375

Ion	Ratio	Lower	Upper
96	100		
70	21.8	16.3	24.5
95	0.0	7.3	10.9#
97	0.0	0.0	0.0



#2

Dichlorodifluoromethane

Concen: 27.340 ug/l

RT: 1.39 min Scan# 15

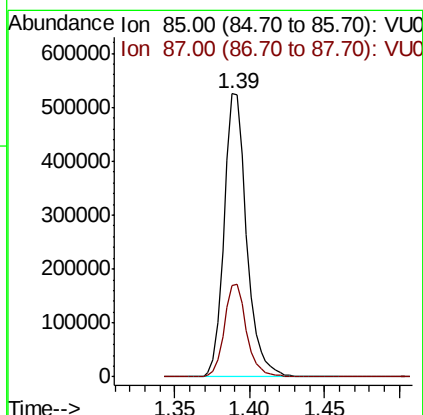
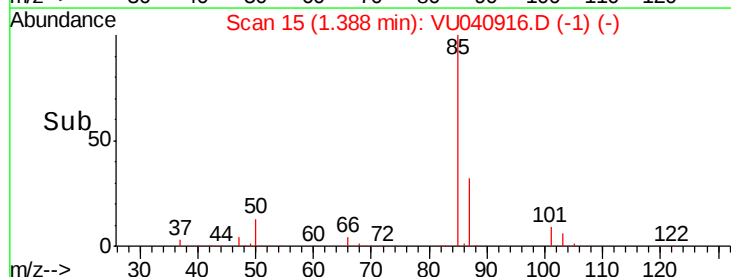
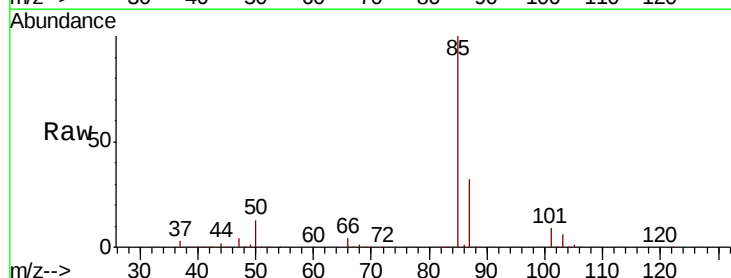
Delta R.T. -0.00 min

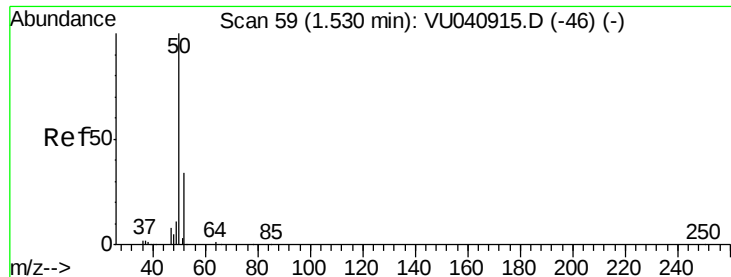
Lab File: VU040916.D

Acq: 22 Oct 2020 20:59

Tgt Ion: 85 Resp: 552013

Ion	Ratio	Lower	Upper
85	100		
87	32.5	16.5	49.5





#3

Chloromethane

Concen: 26.526 ug/l

RT: 1.53 min Scan# 59

Delta R.T. -0.00 min

Lab File: VU040916.D

Acq: 22 Oct 2020 20:59

Instrument :

MSVOA_U

ClientSampleId :

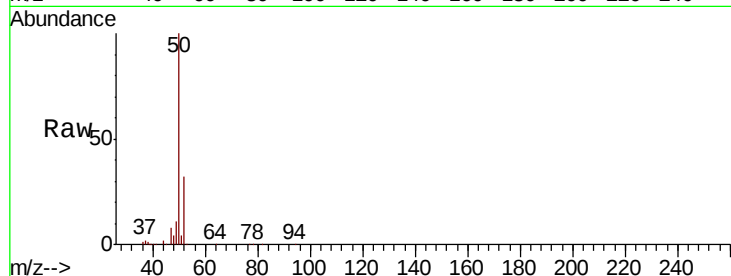
VSTDIC020

Tot Ion: 50 Resp: 568472

Ion Ratio Lower Upper

50 100

52 32.1 26.9 40.3



Abundance Ion 50.00 (49.70 to 50.70): VU040916.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU040916.D (-1) (-)

1.53

500000

400000

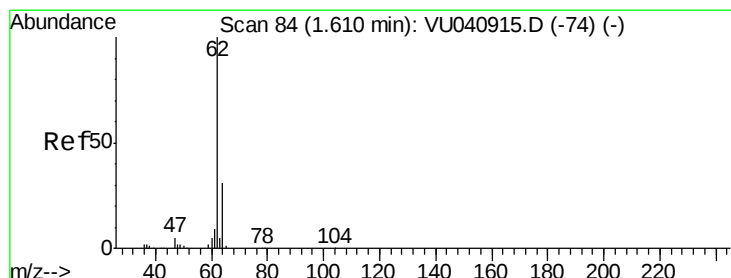
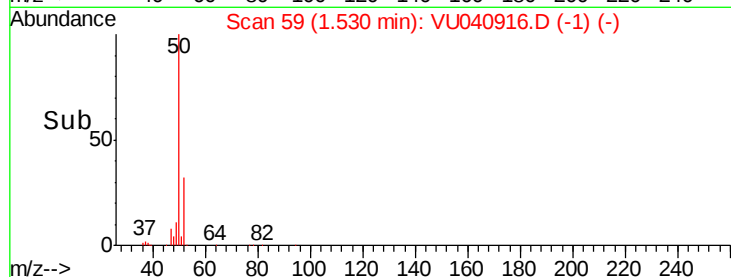
300000

200000

100000

0

Time--> 1.45 1.50 1.55 1.60



#4

Vinyl Chloride

Concen: 26.385 ug/l

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040916.D

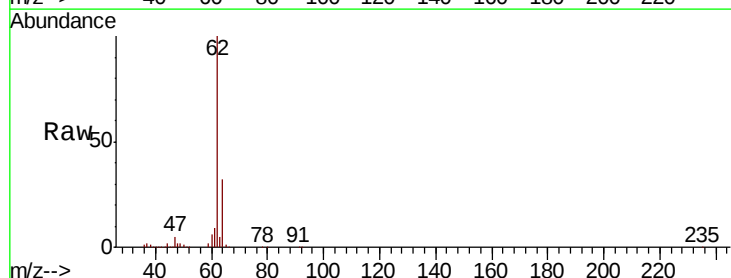
Acq: 22 Oct 2020 20:59

Tgt Ion: 62 Resp: 553618

Ion Ratio Lower Upper

62 100

64 31.5 24.7 37.1



Abundance Ion 62.00 (61.70 to 62.70): VU040916.D (-1) (-)

Ion 64.00 (63.70 to 64.70): VU040916.D (-1) (-)

1.61

500000

400000

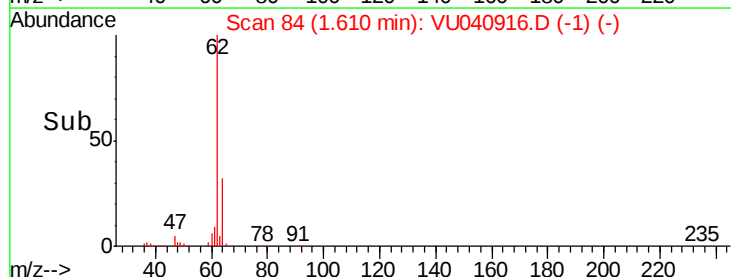
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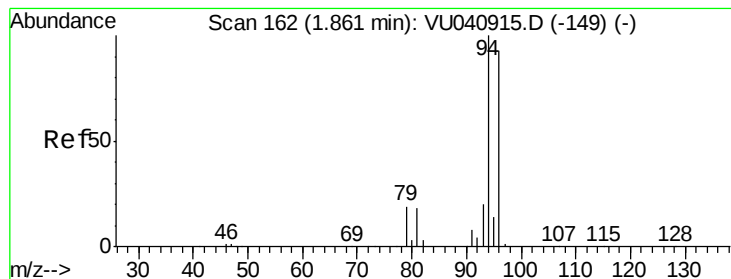
200000

100000

0

Time--> 1.55 1.60 1.65 1.70





#5

Bromomethane

Concen: 19.314 ug/l

RT: 1.87 min Scan# 164

Delta R.T. 0.01 min

Lab File: VU040916.D

Acq: 22 Oct 2020 20:59

Instrument :

MSVOA_U

ClientSampleId :

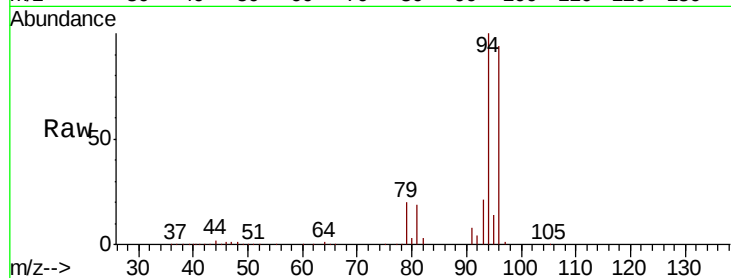
VSTDIC020

Tot Ion: 94 Resp: 286815

Ion Ratio Lower Upper

94 100

96 93.6 74.4 111.6



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.87

250000

200000

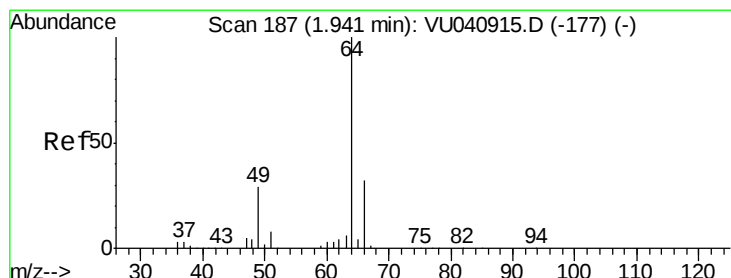
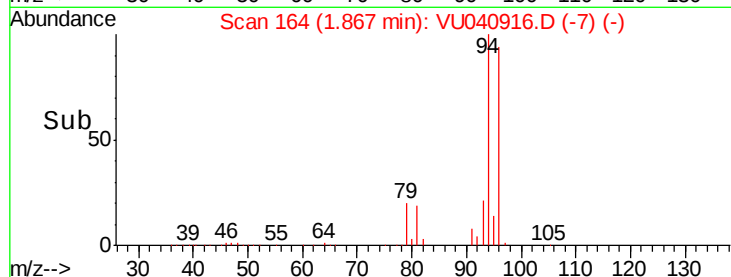
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 22.833 ug/l

RT: 1.94 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU040916.D

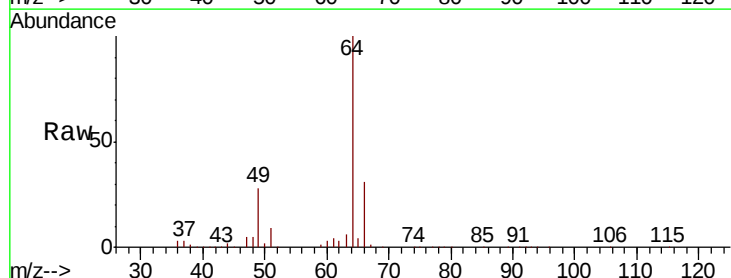
Acq: 22 Oct 2020 20:59

Tgt Ion: 64 Resp: 310161

Ion Ratio Lower Upper

64 100

66 31.3 25.4 38.2



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0

1.94

250000

200000

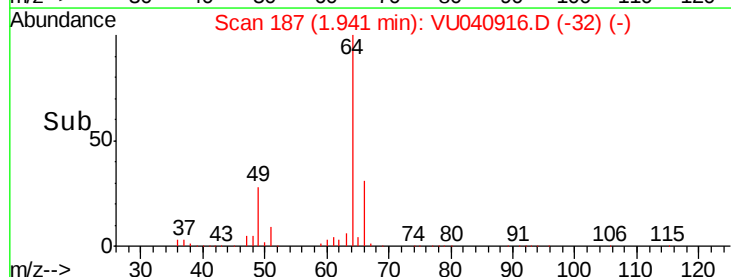
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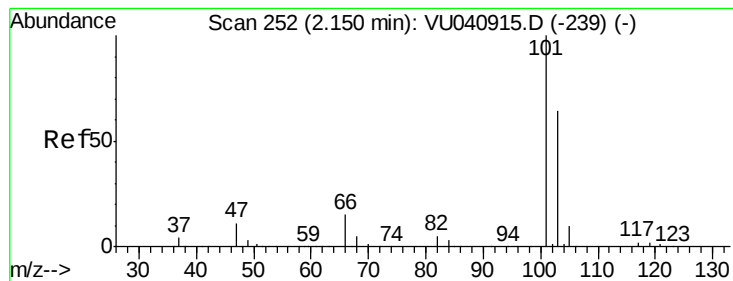
100000

50000

0

Time-->



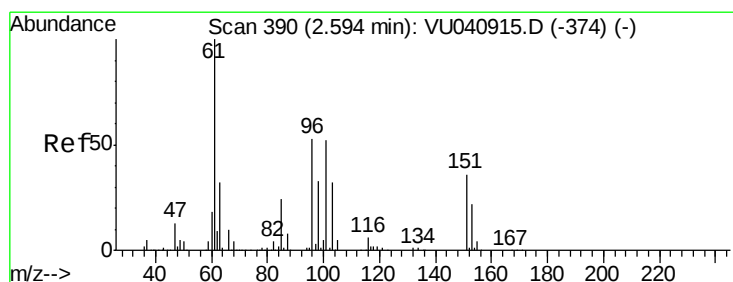
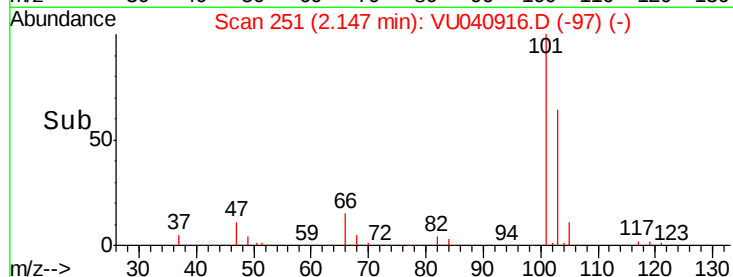
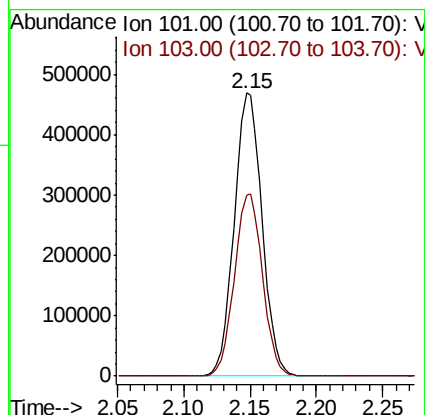
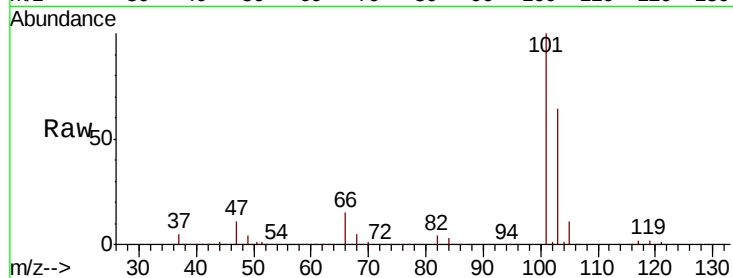


#7

Trichlorofluoromethane
Concen: 22.628 ug/l
RT: 2.15 min Scan# 251
Delta R.T. -0.00 min
Lab File: VU040916.D
Acq: 22 Oct 2020 20:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

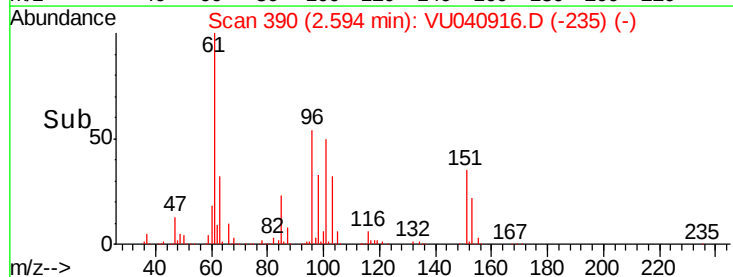
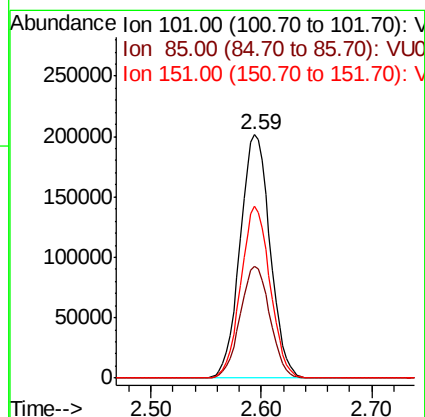
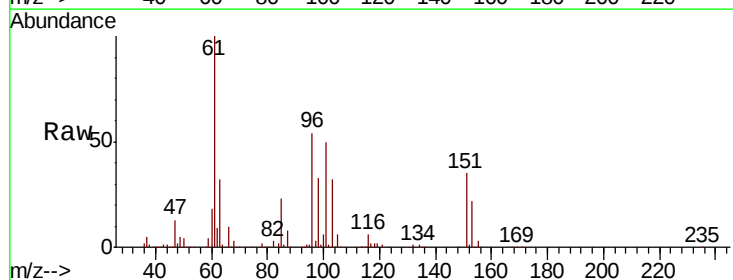
Tot Ion:101 Resp: 683642
Ion Ratio Lower Upper
101 100
103 64.2 51.5 77.3

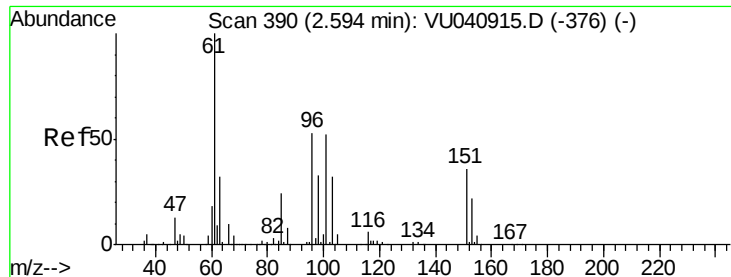


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 21.850 ug/l
RT: 2.59 min Scan# 390
Delta R.T. -0.00 min
Lab File: VU040916.D
Acq: 22 Oct 2020 20:59

Tgt Ion:101 Resp: 378385
Ion Ratio Lower Upper
101 100
85 45.6 36.2 54.2
151 69.1 55.1 82.7





#9

1,1-Dichloroethene

Concen: 23.185 ug/l

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU040916.D

Acq: 22 Oct 2020 20:59

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

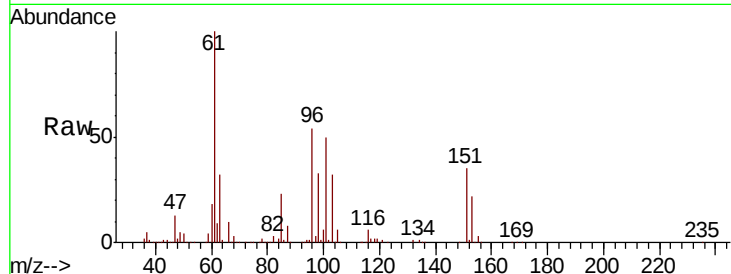
Tot Ion: 96 Resp: 342687

Ion Ratio Lower Upper

96 100

61 186.7 0.0 561.9

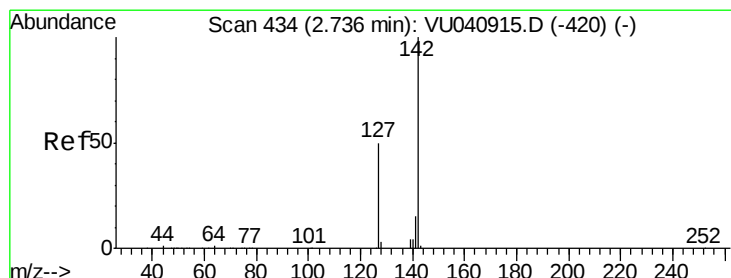
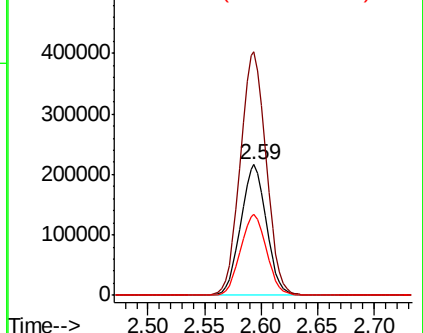
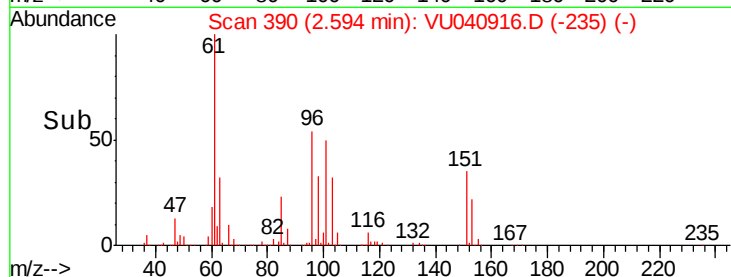
98 62.3 0.0 125.0



Abundance Ion 96.00 (95.70 to 96.70): VU040916.D (-235) (-)

Ion 61.00 (60.70 to 61.70): VU040916.D (-235) (-)

Ion 98.00 (97.70 to 98.70): VU040916.D (-235) (-)



#10

Iodomethane

Concen: 36.891 ug/l

RT: 2.74 min Scan# 434

Delta R.T. -0.00 min

Lab File: VU040916.D

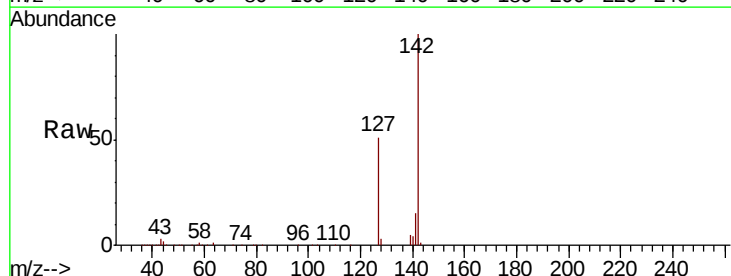
Acq: 22 Oct 2020 20:59

Tgt Ion: 142 Resp: 449908

Ion Ratio Lower Upper

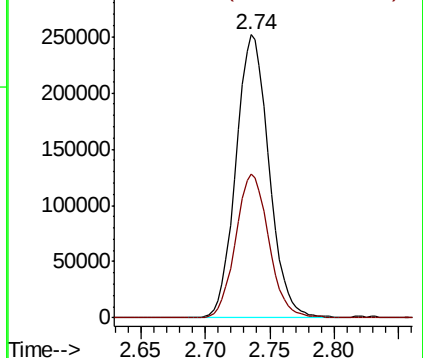
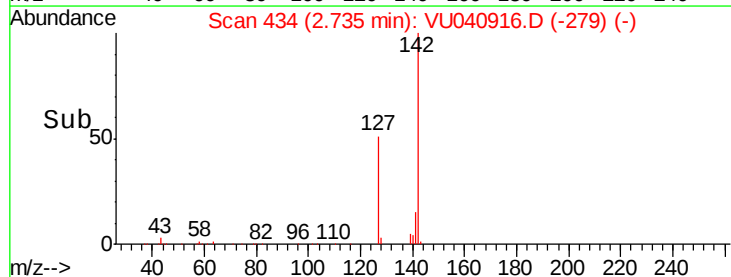
142 100

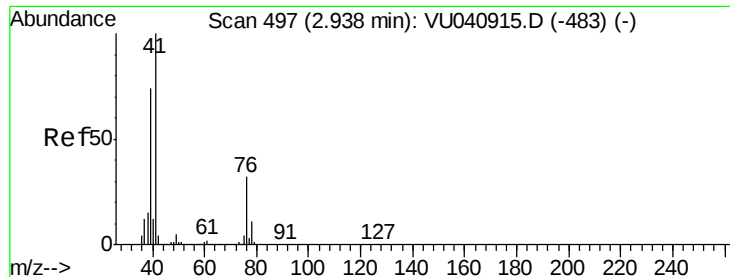
127 51.1 40.6 60.8



Abundance Ion 142.00 (141.70 to 142.70): VU040916.D (-279) (-)

Ion 127.00 (126.70 to 127.70): VU040916.D (-279) (-)

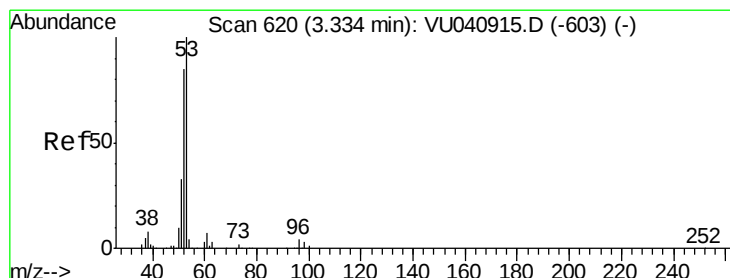
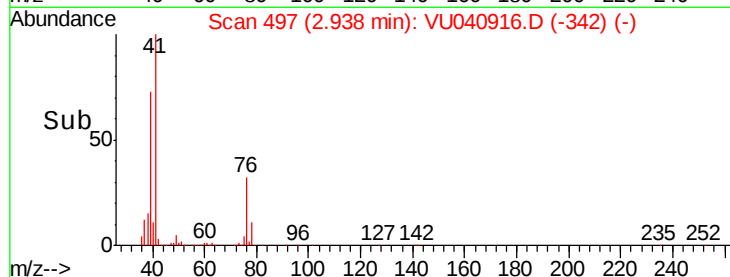
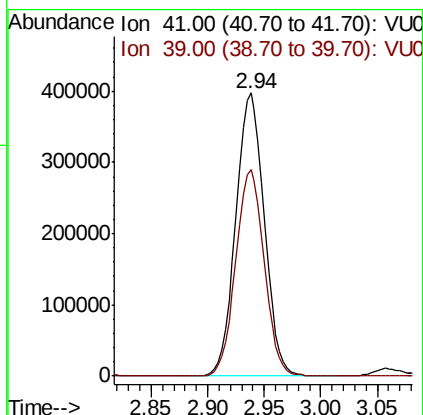
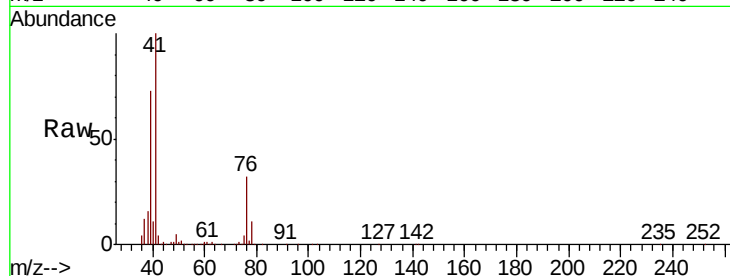




#11
Allvl Chloride
Concen: 23.751 ug/l
RT: 2.94 min Scan# 497
Delta R.T. -0.00 min
Lab File: VU040916.D
Acq: 22 Oct 2020 20:59

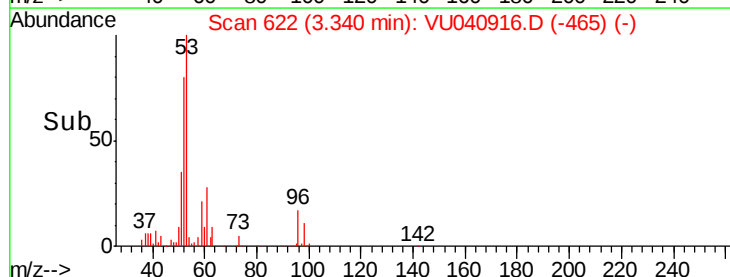
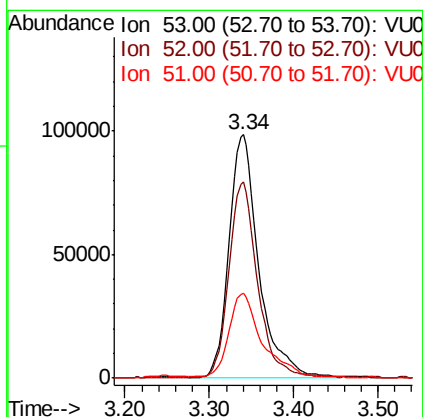
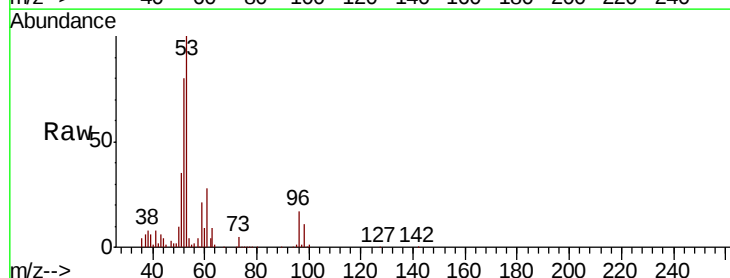
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

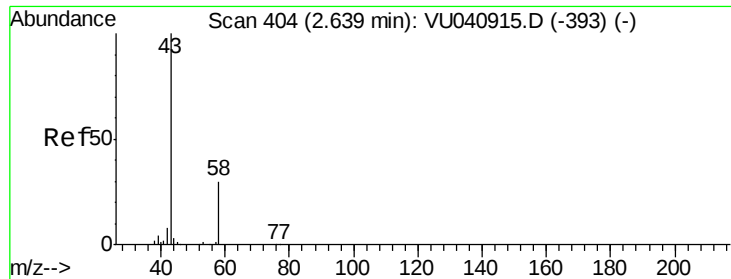
Tot Ion: 41 Resp: 699466
Ion Ratio Lower Upper
41 100
39 72.8 59.0 88.4



#12
Acrylonitrile
Concen: 46.252 ug/l
RT: 3.34 min Scan# 622
Delta R.T. 0.01 min
Lab File: VU040916.D
Acq: 22 Oct 2020 20:59

Tgt Ion: 53 Resp: 238743
Ion Ratio Lower Upper
53 100
52 78.5 63.1 94.7
51 38.1 30.6 46.0





#13

Acetone

Concen: 105.498 ug/l

RT: 2.65 min Scan# 408

Delta R.T. 0.01 min

Lab File: VU040916.D

Acq: 22 Oct 2020 20:59

Instrument :

MSVOA_U

ClientSampleId :

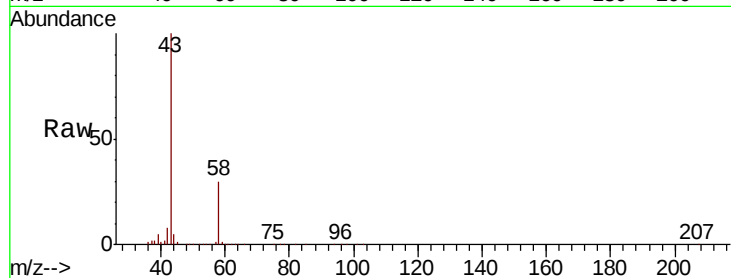
VSTDIC020

Tot Ion: 43 Resp: 484493

Ion Ratio Lower Upper

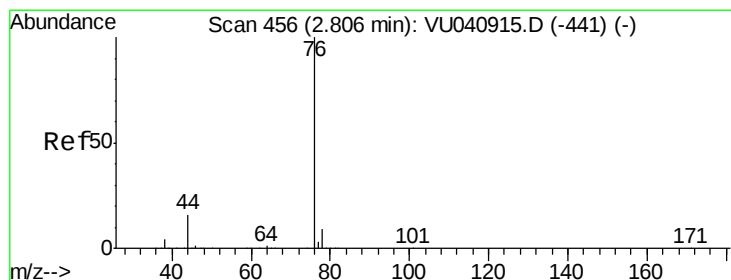
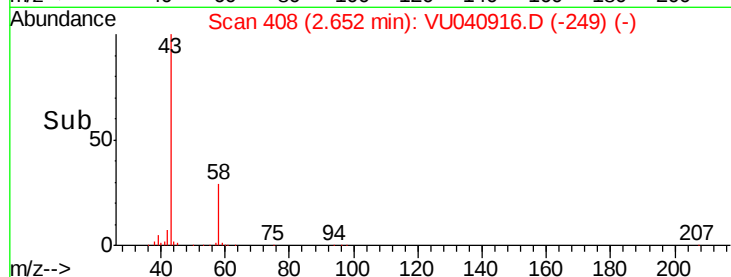
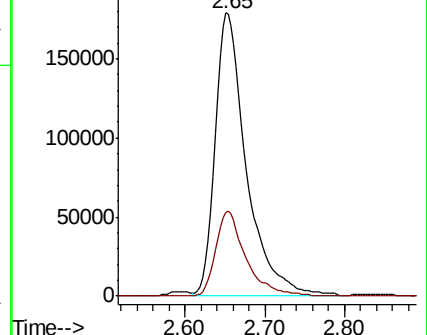
43 100

58 29.4 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VU040916.D (-249) (-)

Ion 58.00 (57.70 to 58.70): VU040916.D (-249) (-)



#14

Carbon Disulfide

Concen: 28.753 ug/l

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU040916.D

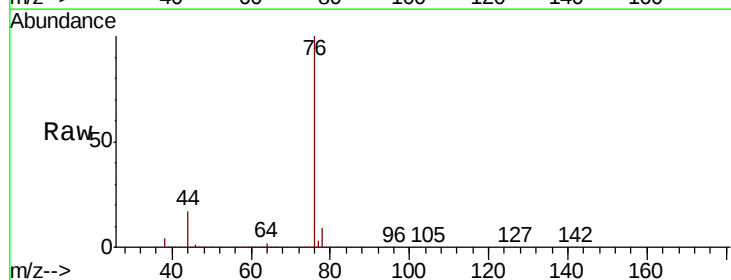
Acq: 22 Oct 2020 20:59

Tgt Ion: 76 Resp: 1262298

Ion Ratio Lower Upper

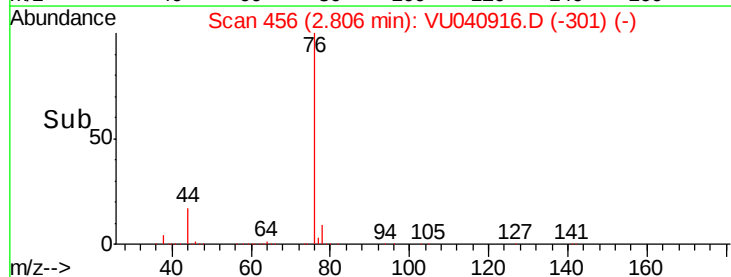
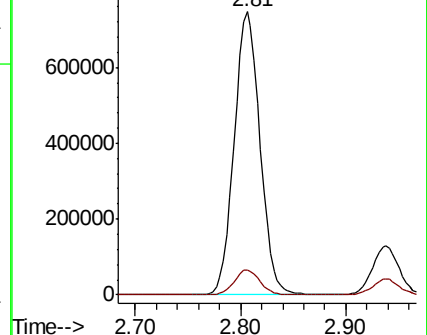
76 100

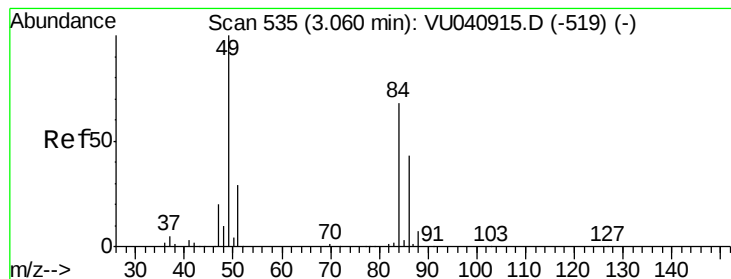
78 9.0 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VU040916.D (-301) (-)

Ion 78.00 (77.70 to 78.70): VU040916.D (-301) (-)





#15

Methvlene Chloride

Concen: 17.690 ug/l

RT: 3.06 min Scan# 535

Delta R.T. -0.00 min

Lab File: VU040916.D

Acq: 22 Oct 2020 20:59

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 84 Resp: 392585

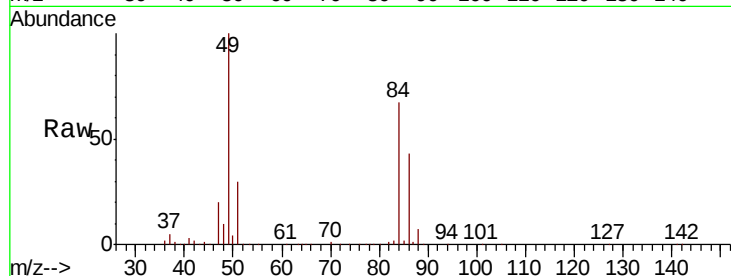
Ion Ratio Lower Upper

84 100

49 149.1 118.2 177.4

51 45.1 0.0 86.8

86 64.9 51.2 76.8

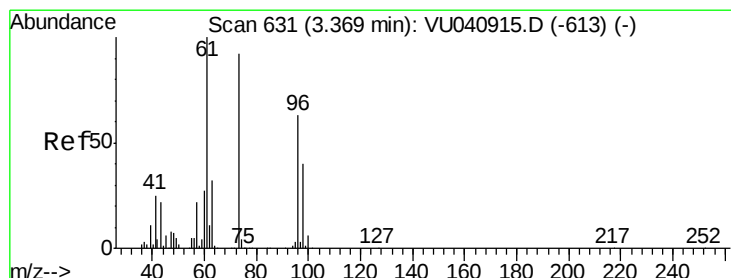
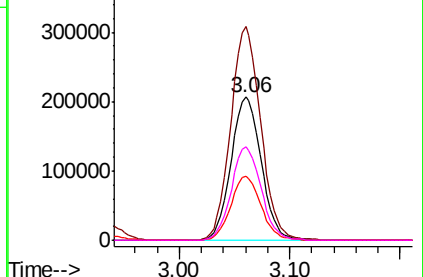
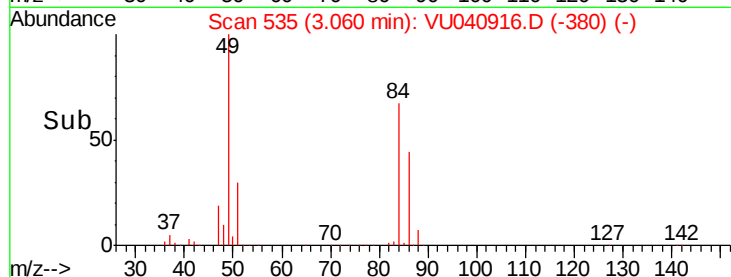


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 49.00 (48.70 to 49.70): VU0

Ion 51.00 (50.70 to 51.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#16

trans-1,2-Dichloroethene

Concen: 23.345 ug/l

RT: 3.37 min Scan# 631

Delta R.T. -0.00 min

Lab File: VU040916.D

Acq: 22 Oct 2020 20:59

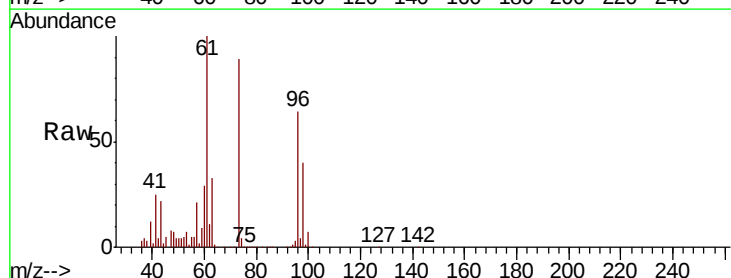
Tgt Ion: 96 Resp: 375565

Ion Ratio Lower Upper

96 100

61 157.3 127.0 190.4

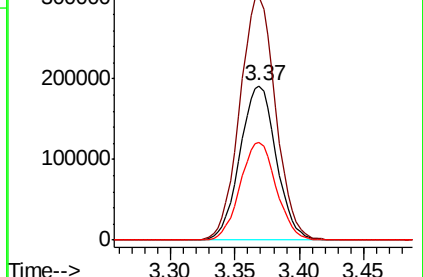
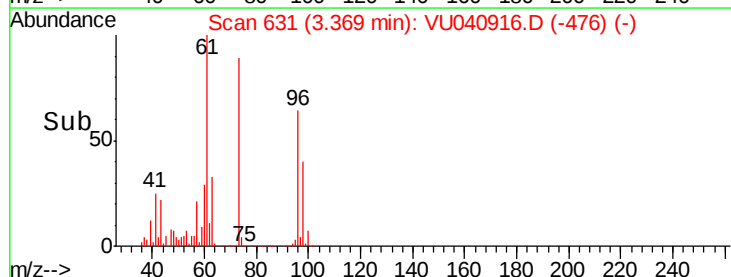
98 63.4 51.2 76.8

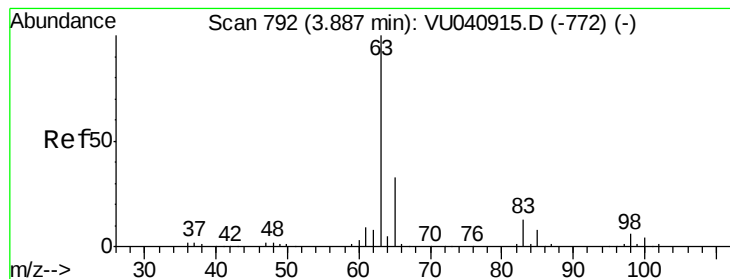


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#17

1,1-Dichloroethane

Concen: 21.711 ug/l

RT: 3.89 min Scan# 792

Delta R.T. -0.00 min

Lab File: VU040916.D

Acq: 22 Oct 2020 20:59

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

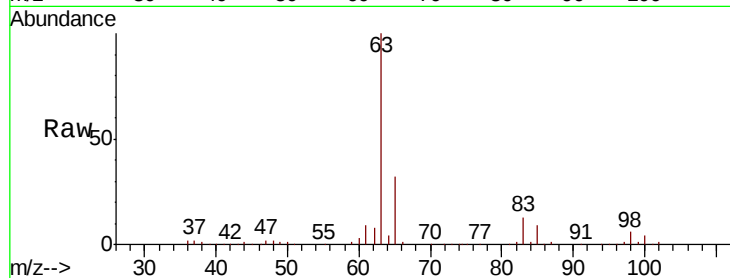
Tot Ion: 63 Resp: 757022

Ion Ratio Lower Upper

63 100

98 6.3 3.0 9.2

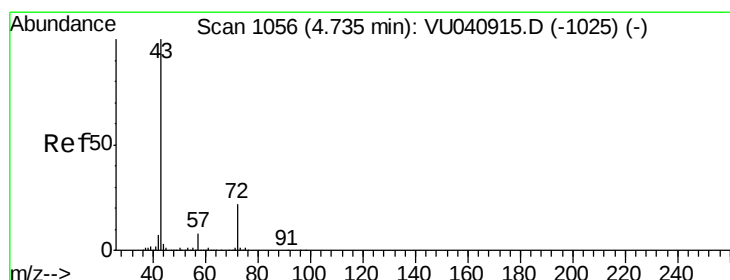
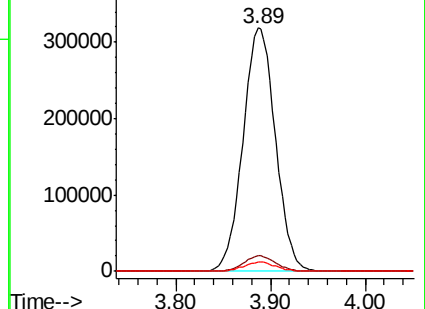
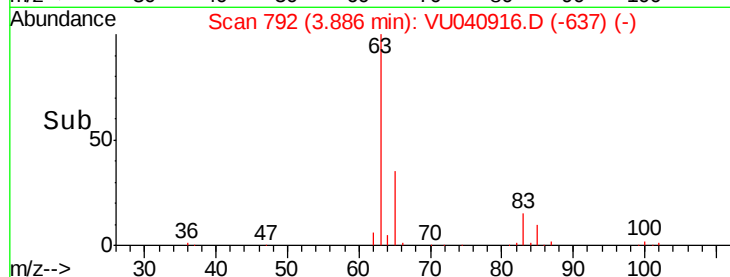
100 3.7 1.8 5.5



Abundance Ion 63.00 (62.70 to 63.70): VU040916.D (-637) (-)

Ion 98.00 (97.70 to 98.70): VU040916.D (-981) (-)

Ion 100.00 (99.70 to 100.70): VU040916.D (-1001) (-)



#18

2-Butanone

Concen: 114.419 ug/l

RT: 4.74 min Scan# 1059

Delta R.T. 0.01 min

Lab File: VU040916.D

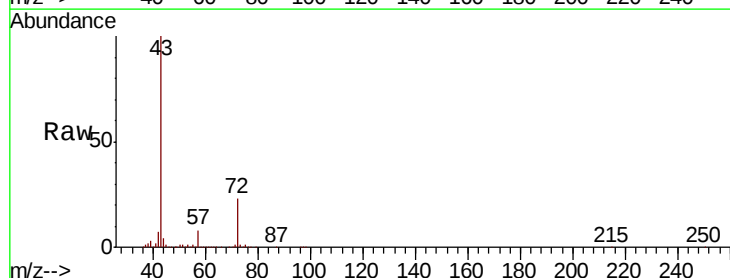
Acq: 22 Oct 2020 20:59

Tgt Ion: 43 Resp: 822003

Ion Ratio Lower Upper

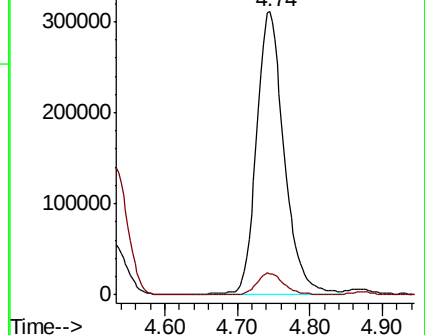
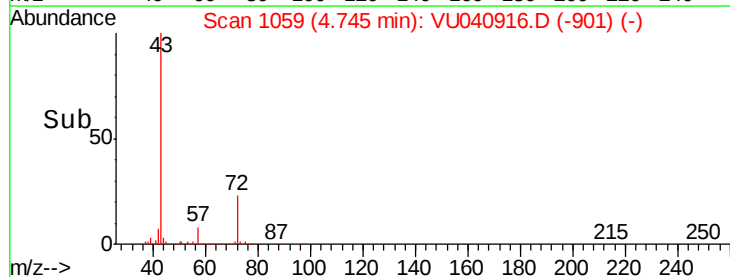
43 100

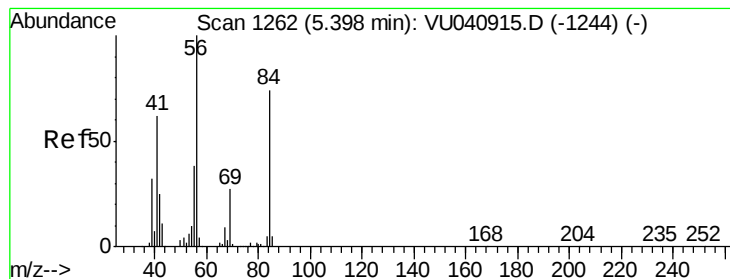
57 7.5 0.0 15.2



Abundance Ion 43.00 (42.70 to 43.70): VU040916.D (-431) (-)

Ion 57.00 (56.70 to 57.70): VU040916.D (-571) (-)





#19

Cyclohexane

Concen: 22.627 ug/l

RT: 5.40 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VU040916.D

Acq: 22 Oct 2020 20:59

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

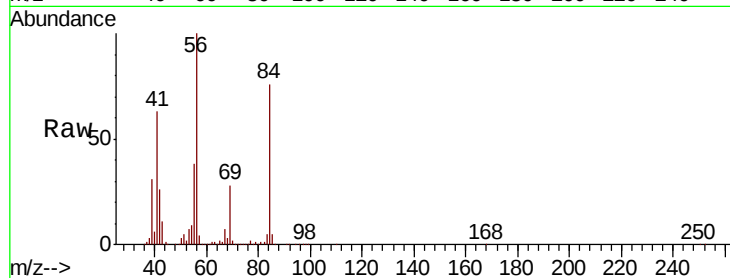
Tot Ion: 56 Resp: 675206

Ion Ratio Lower Upper

56 100

69 31.0 22.2 33.2

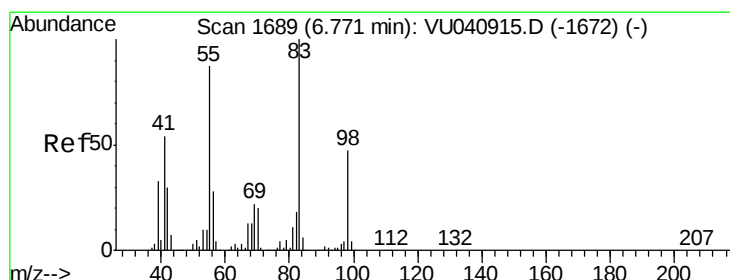
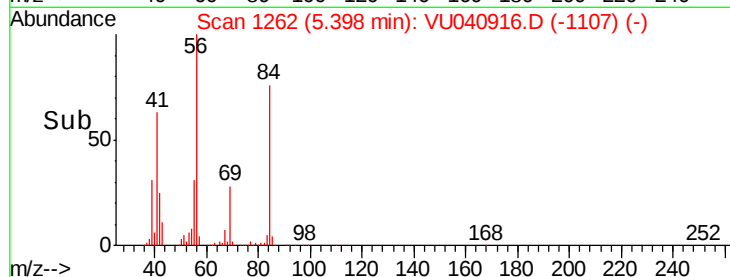
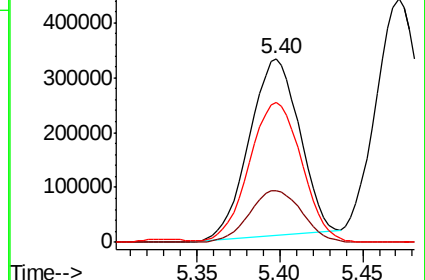
84 81.9 60.1 90.1



Abundance Ion 56.00 (55.70 to 56.70): VU040916.D (-1107) (-)

Ion 69.00 (68.70 to 69.70): VU040916.D (-1107) (-)

Ion 84.00 (83.70 to 84.70): VU040916.D (-1107) (-)



#20

Methylcyclohexane

Concen: 25.541 ug/l

RT: 6.77 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VU040916.D

Acq: 22 Oct 2020 20:59

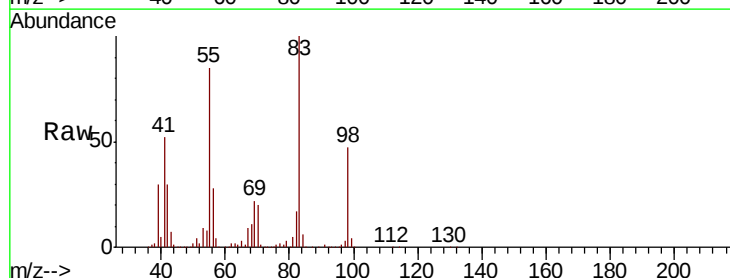
Tgt Ion: 83 Resp: 681828

Ion Ratio Lower Upper

83 100

55 86.5 71.0 106.4

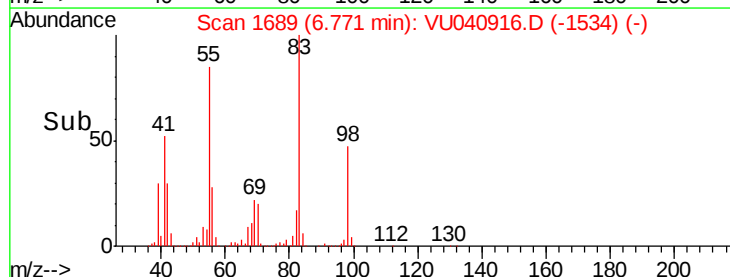
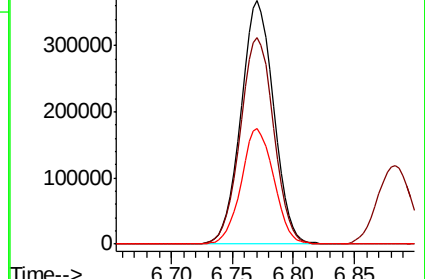
98 47.3 38.1 57.1

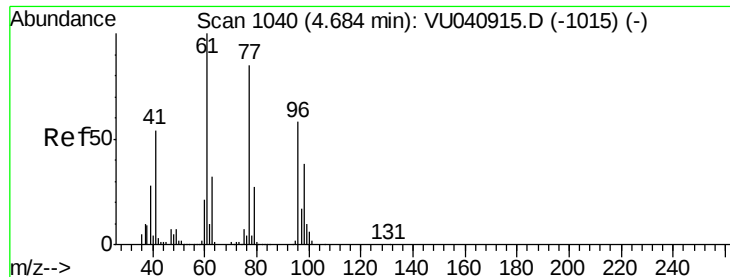


Abundance Ion 83.00 (82.70 to 83.70): VU040916.D (-1534) (-)

Ion 55.00 (54.70 to 55.70): VU040916.D (-1534) (-)

Ion 98.00 (97.70 to 98.70): VU040916.D (-1534) (-)





#21

2,2-Dichloropropane

Concen: 18.905 ug/l

RT: 4.68 min Scan# 1039

Delta R.T. -0.00 min

Lab File: VU040916.D

Acq: 22 Oct 2020 20:59

Instrument :

MSVOA_U

ClientSampleId :

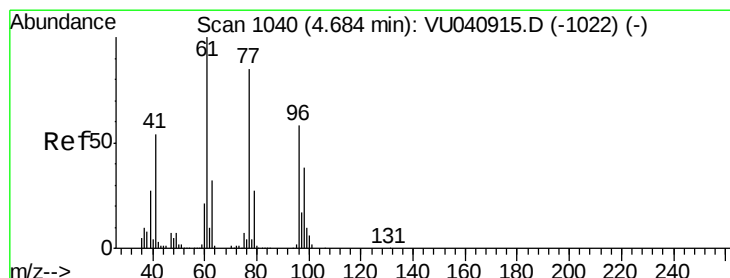
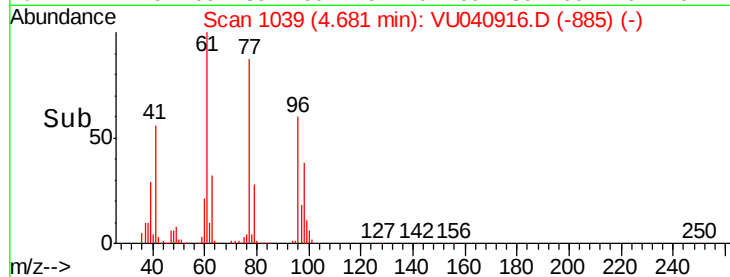
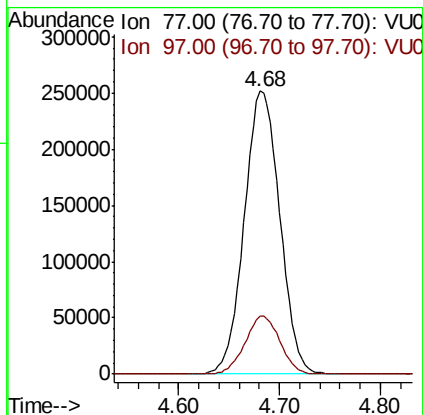
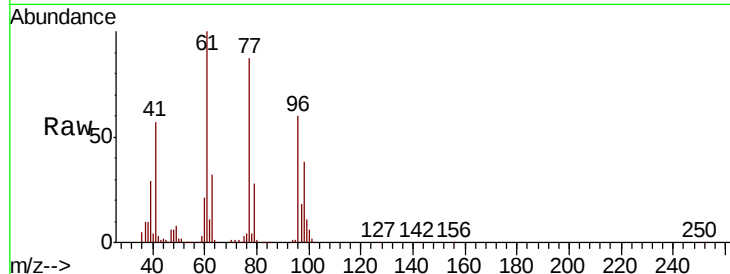
VSTDIC020

Tot Ion: 77 Resp: 611871

Ion Ratio Lower Upper

77 100

97 20.2 16.0 24.0



#22

cis-1,2-Dichloroethene

Concen: 21.305 ug/l

RT: 4.68 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VU040916.D

Acq: 22 Oct 2020 20:59

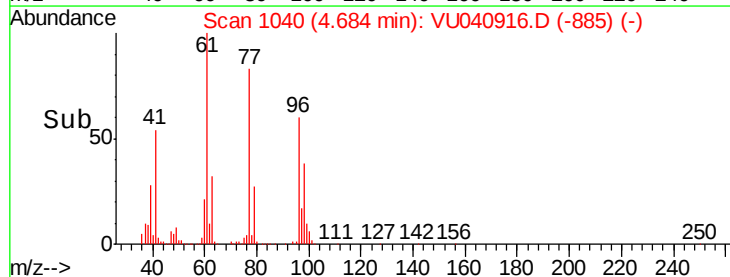
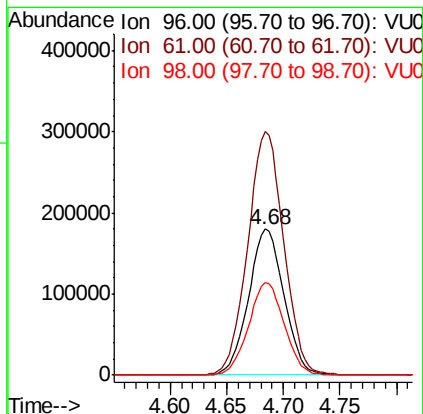
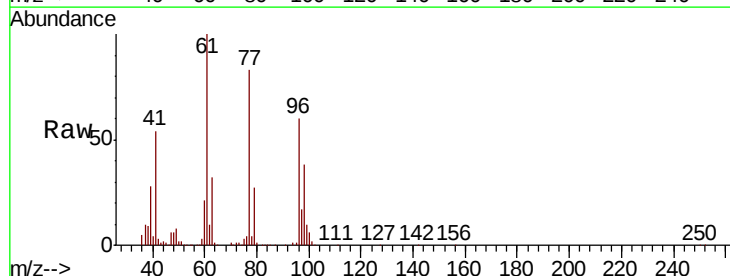
Tgt Ion: 96 Resp: 391142

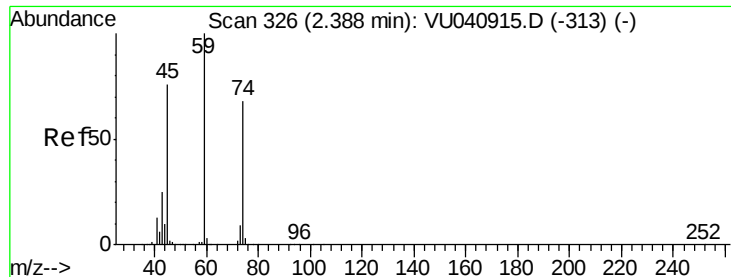
Ion Ratio Lower Upper

96 100

61 169.6 0.0 434.5

98 64.0 32.6 97.8

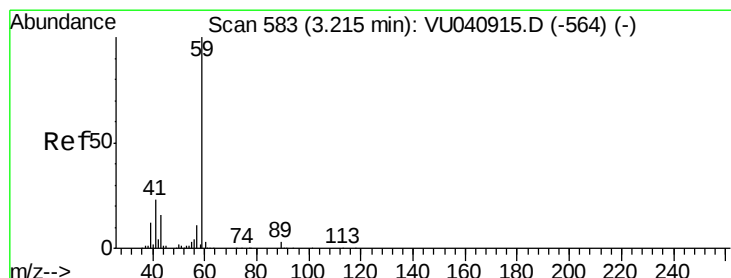
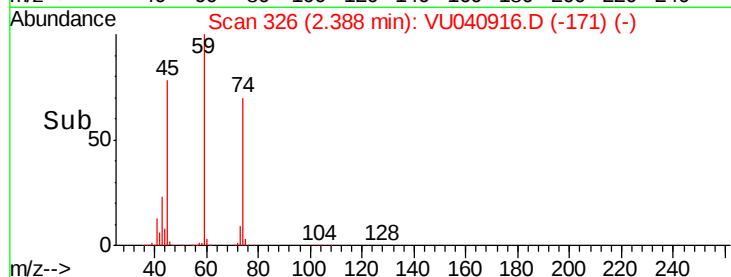
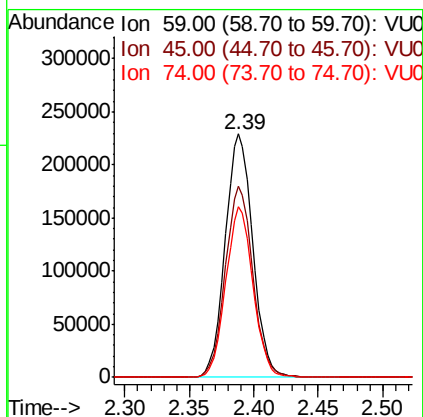
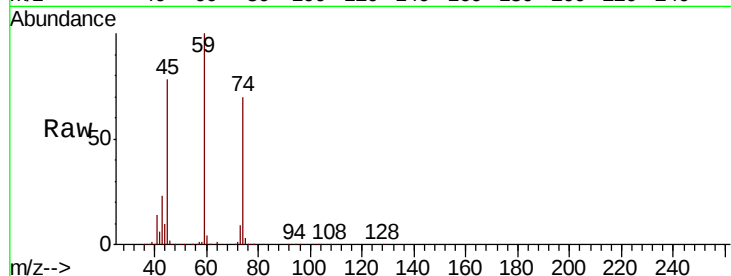




#23
Diethyl Ether
Concen: 24.000 ug/l
RT: 2.39 min Scan# 326
Delta R.T. -0.00 min
Lab File: VU040916.D
Acq: 22 Oct 2020 20:59

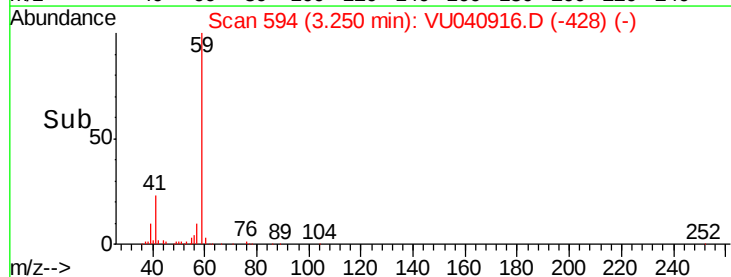
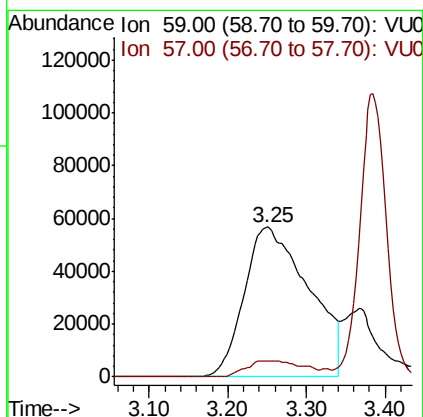
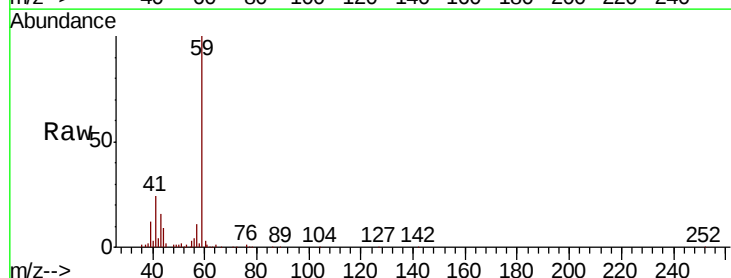
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

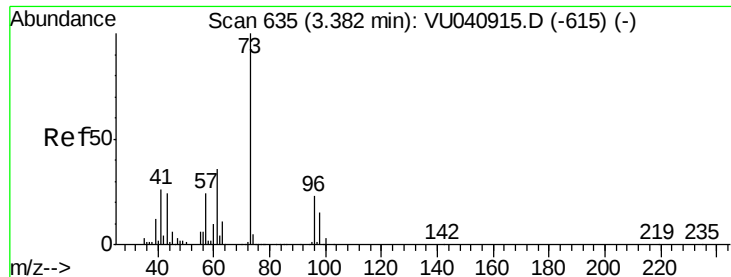
Tot Ion: 59 Resp: 339646
Ion Ratio Lower Upper
59 100
45 78.2 61.4 92.2
74 69.3 55.0 82.4



#24
tert-Butyl Alcohol
Concen: 174.367 ug/l
RT: 3.25 min Scan# 594
Delta R.T. 0.04 min
Lab File: VU040916.D
Acq: 22 Oct 2020 20:59

Tgt Ion: 59 Resp: 325056
Ion Ratio Lower Upper
59 100
57 4.5 8.4 12.6#



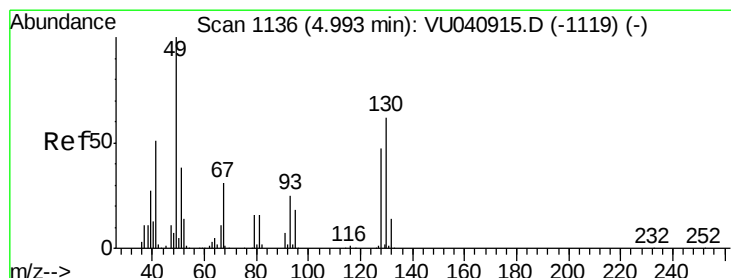
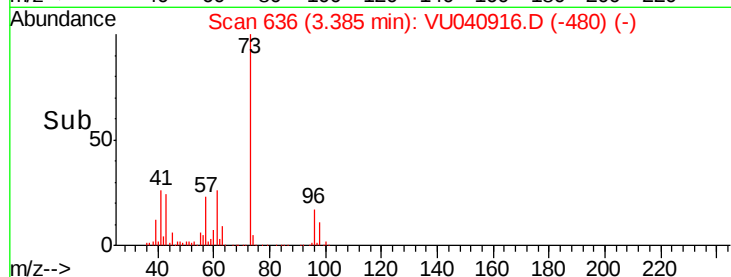
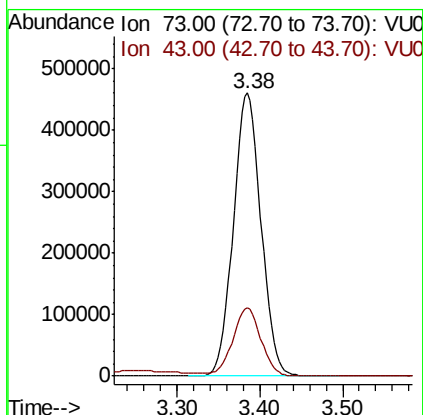
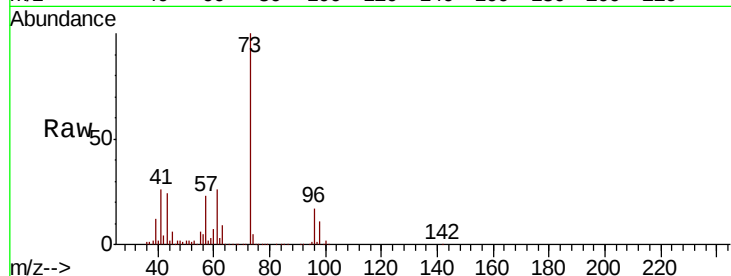


#25

Methyl tert-Butyl Ether
 Concen: 21.974 ug/l
 RT: 3.38 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VU040916.D
 Acq: 22 Oct 2020 20:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

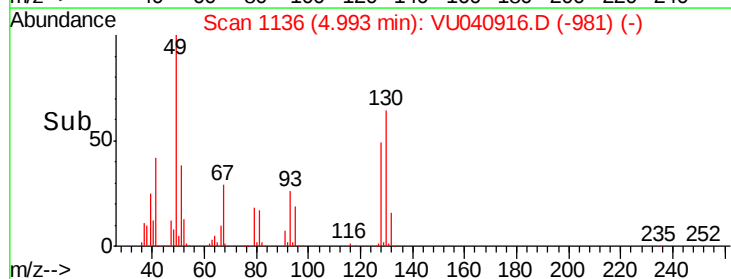
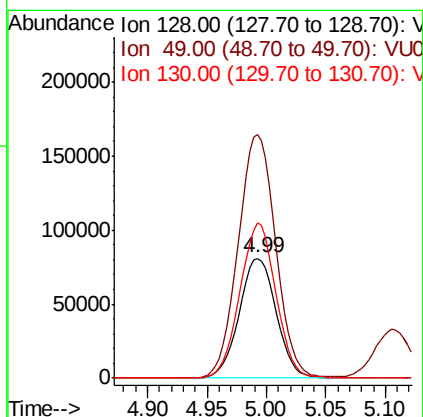
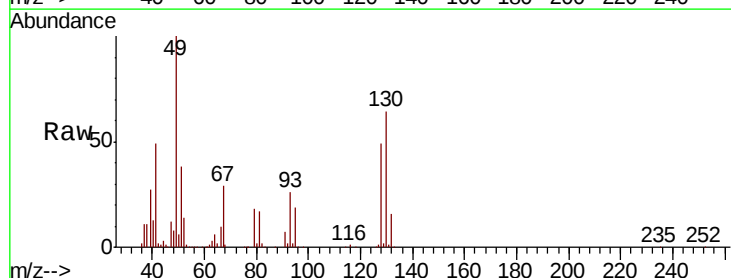
Tot Ion: 73 Resp: 1066346
 Ion Ratio Lower Upper
 73 100
 43 24.7 19.0 28.6

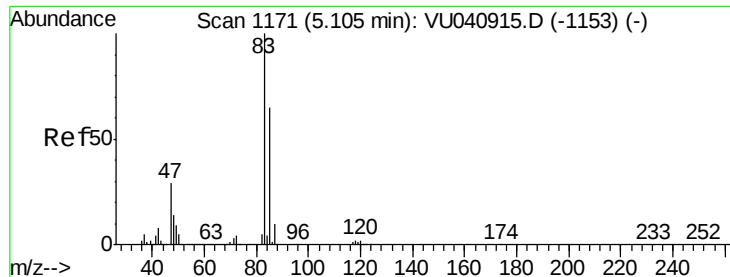


#26

Bromochloromethane
 Concen: 21.711 ug/l
 RT: 4.99 min Scan# 1136
 Delta R.T. -0.00 min
 Lab File: VU040916.D
 Acq: 22 Oct 2020 20:59

Tgt Ion: 128 Resp: 174386
 Ion Ratio Lower Upper
 128 100
 49 206.4 0.0 426.4
 130 126.1 106.2 159.4

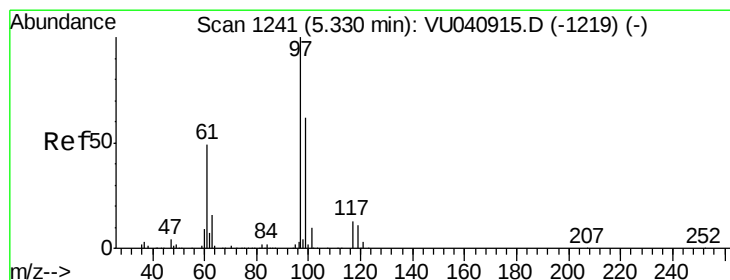
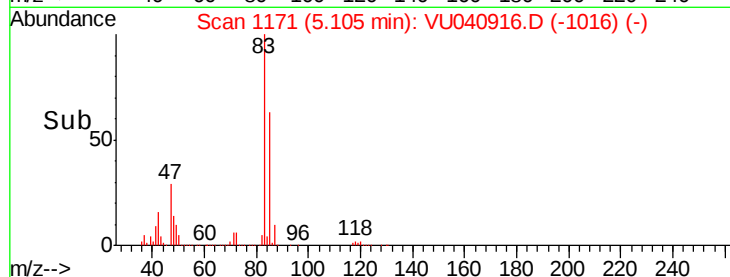
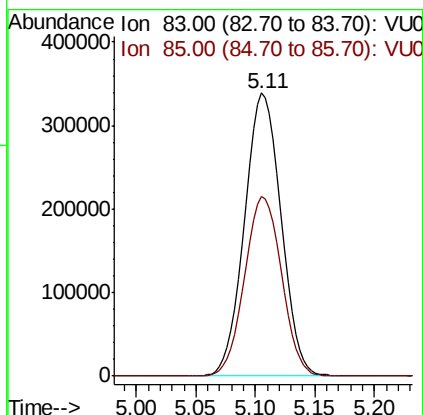
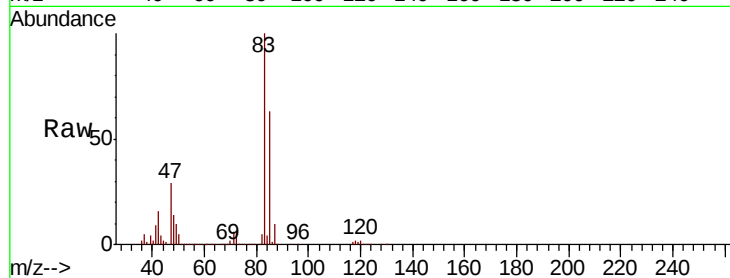




#27
Chloroform
Concen: 20.741 ug/l
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU040916.D
Acq: 22 Oct 2020 20:59

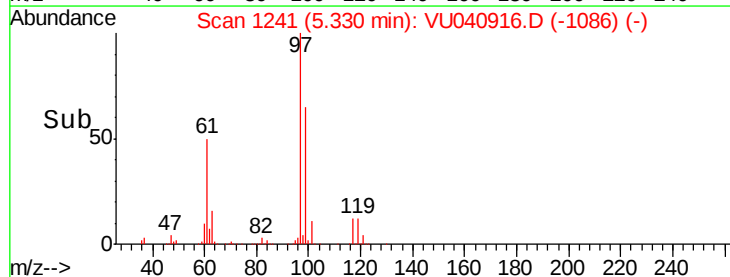
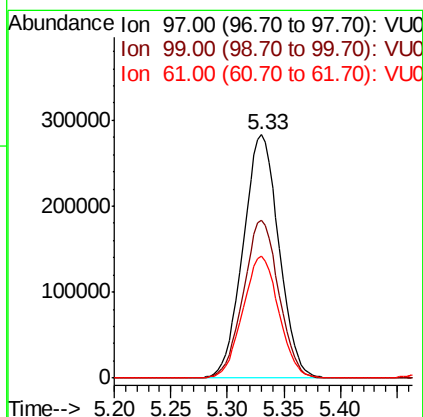
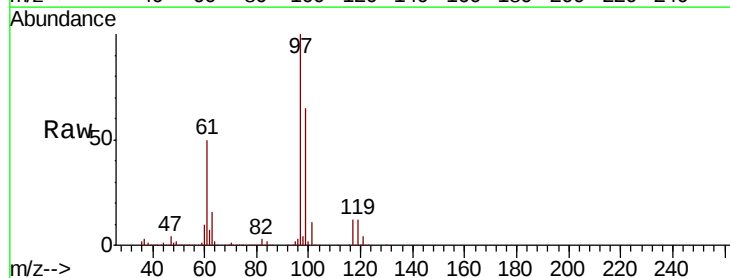
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

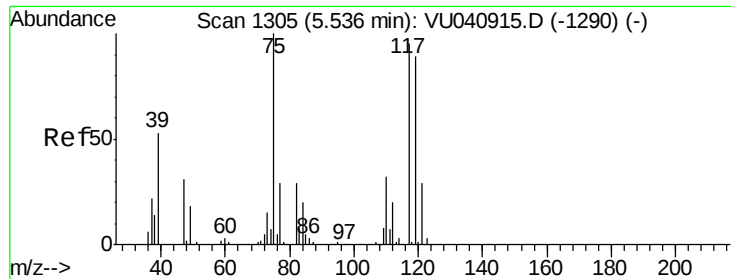
Tot Ion: 83 Resp: 724808
Ion Ratio Lower Upper
83 100
85 63.3 0.0 129.0



#28
1,1,1-Trichloroethane
Concen: 20.604 ug/l
RT: 5.33 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VU040916.D
Acq: 22 Oct 2020 20:59

Tgt Ion: 97 Resp: 622813
Ion Ratio Lower Upper
97 100
99 64.4 31.4 94.3
61 50.1 24.7 74.1

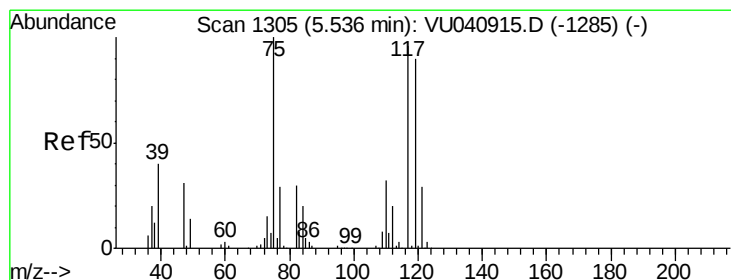
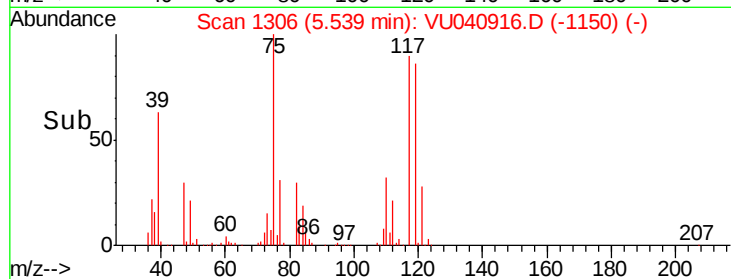
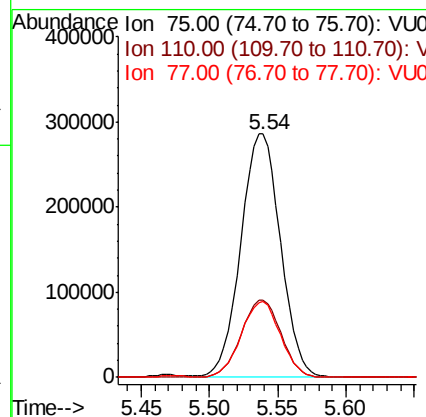
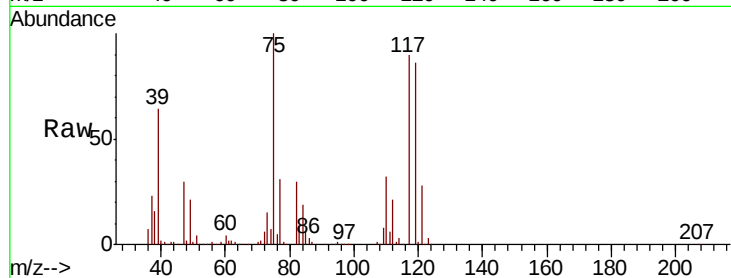




#29
 1,1-Dichloropropene
 Concen: 22.198 ug/l
 RT: 5.54 min Scan# 1306
 Delta R.T. 0.00 min
 Lab File: VU040916.D
 Acq: 22 Oct 2020 20:59

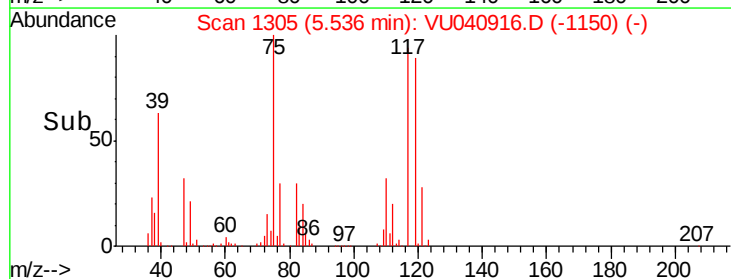
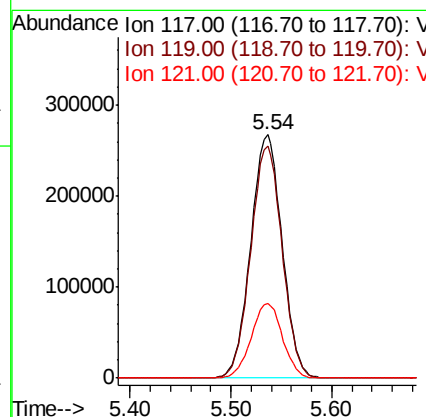
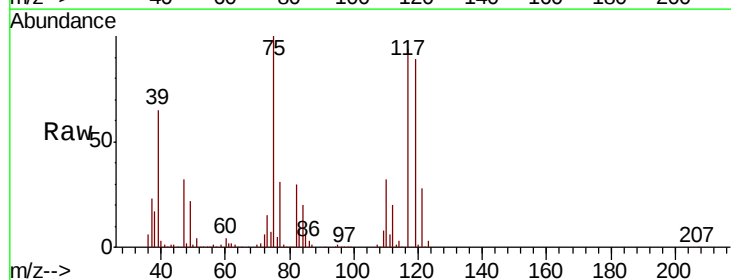
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

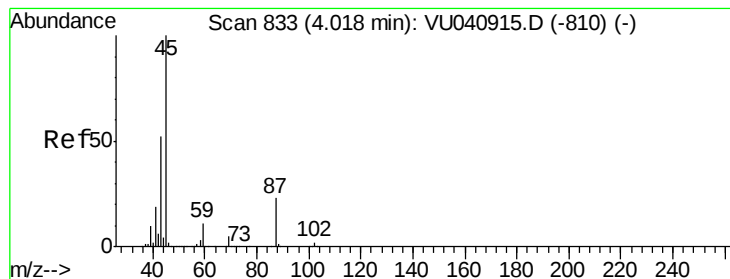
Tot Ion	Ratio	Lower	Upper
75	100		
110	32.1	15.9	47.6
77	30.9	24.2	36.2



#30
 Carbon Tetrachloride
 Concen: 21.038 ug/l
 RT: 5.54 min Scan# 1305
 Delta R.T. -0.00 min
 Lab File: VU040916.D
 Acq: 22 Oct 2020 20:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.2	74.9	112.3
121	30.4	24.1	36.1





#31

Isopropyl Ether
 Concen: 20.778 ug/l
 RT: 4.02 min Scan# 834
 Delta R.T. 0.00 min
 Lab File: VU040916.D
 Acq: 22 Oct 2020 20:59

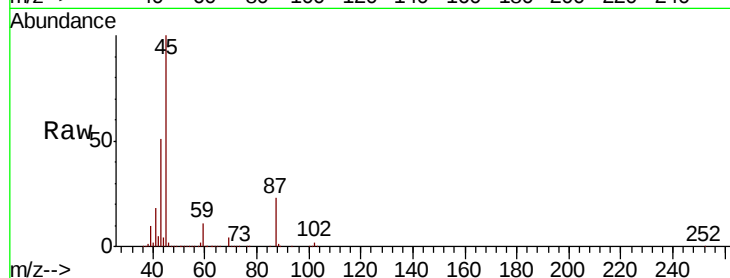
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion: 45 Resp: 1219381

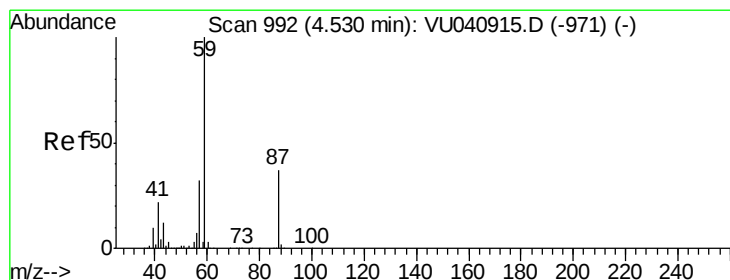
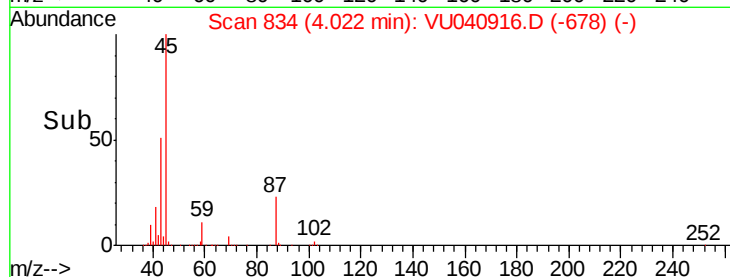
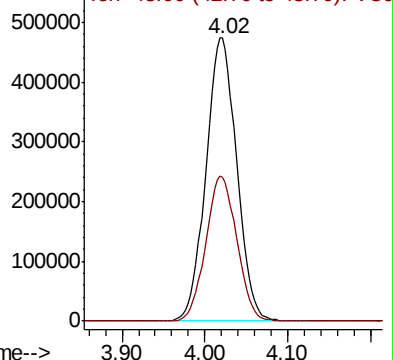
Ion Ratio Lower Upper

45 100

43 51.7 26.8 80.3



Abundance Ion 45.00 (44.70 to 45.70): VU040916.D (-837) (-)
 Ion 43.00 (42.70 to 43.70): VU040916.D (-837) (-)



#32

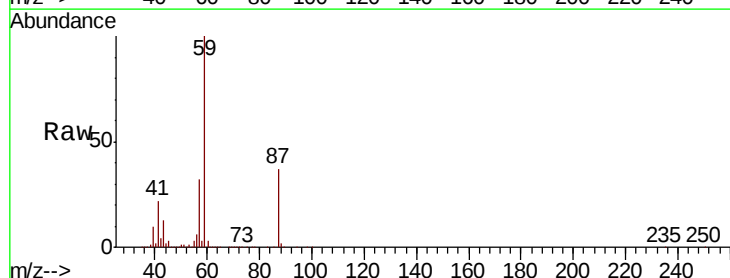
Ethyl-t-butyl ether
 Concen: 20.395 ug/l
 RT: 4.53 min Scan# 992
 Delta R.T. -0.00 min
 Lab File: VU040916.D
 Acq: 22 Oct 2020 20:59

Tgt Ion: 59 Resp: 1077739

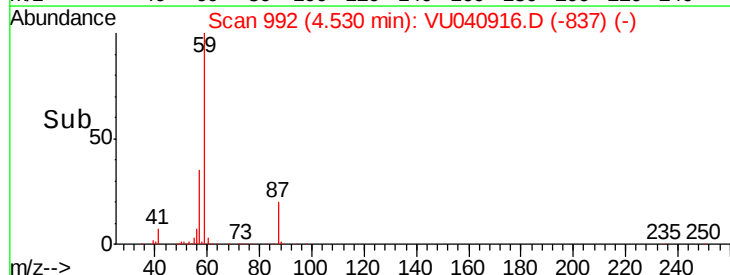
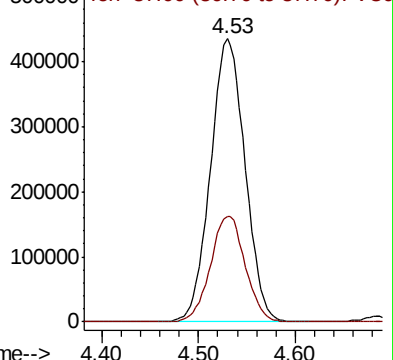
Ion Ratio Lower Upper

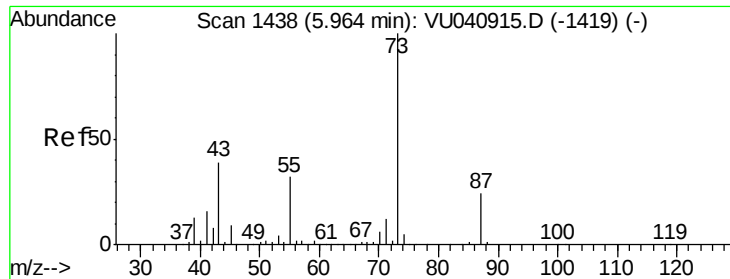
59 100

87 37.6 30.6 46.0



Abundance Ion 59.00 (58.70 to 59.70): VU040916.D (-837) (-)
 Ion 87.00 (86.70 to 87.70): VU040916.D (-837) (-)

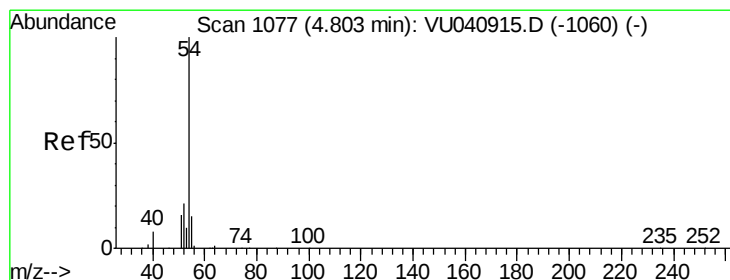
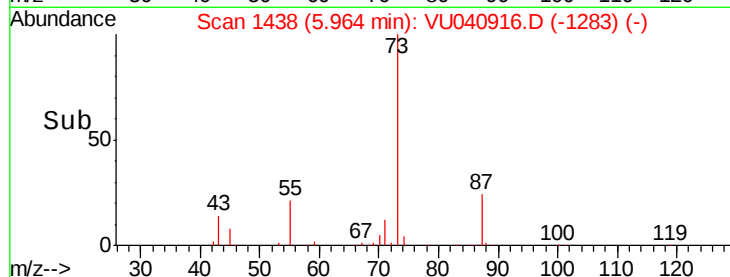
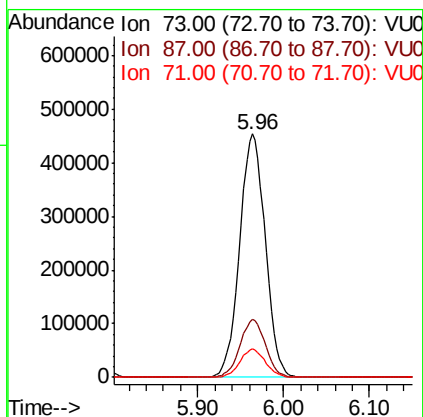
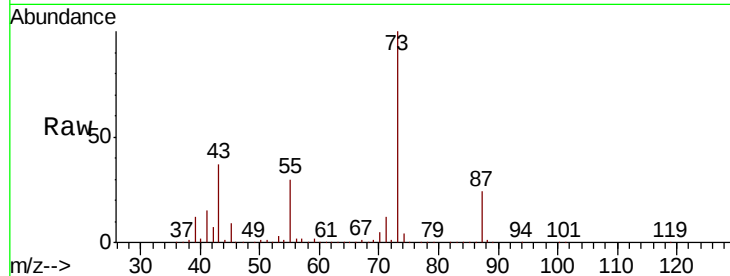




#33
Tert-Butyl methyl ether
Concen: 20.475 ug/l
RT: 5.96 min Scan# 1438
Delta R.T. -0.00 min
Lab File: VU040916.D
Acq: 22 Oct 2020 20:59

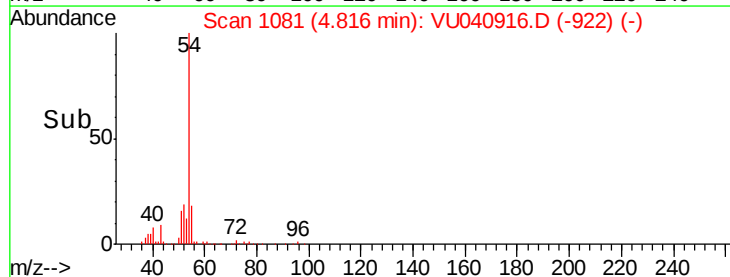
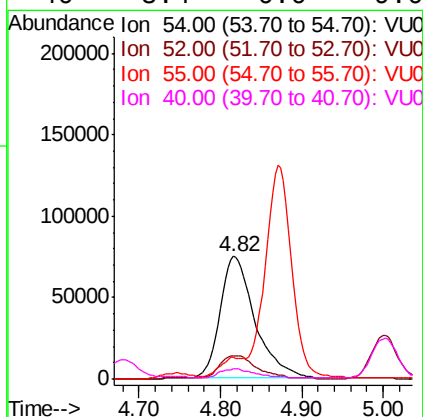
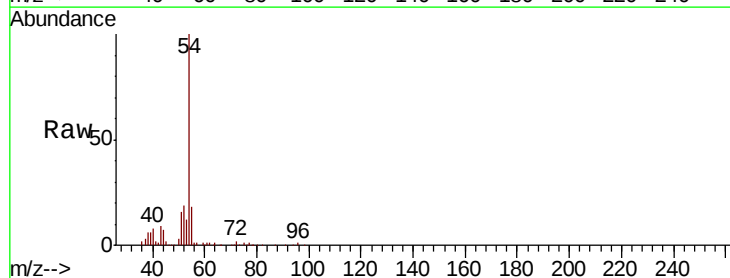
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

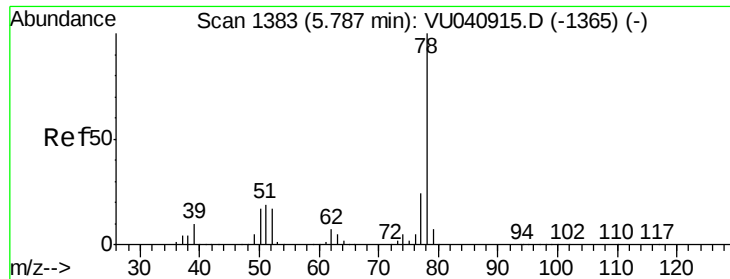
Tot Ion: 73 Resp: 934782
Ion Ratio Lower Upper
73 100
87 23.7 19.0 28.4
71 11.5 9.7 14.5



#34
Propionitrile
Concen: 123.670 ug/l
RT: 4.82 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VU040916.D
Acq: 22 Oct 2020 20:59

Tgt Ion: 54 Resp: 226387
Ion Ratio Lower Upper
54 100
52 19.6 15.5 23.3
55 9.4 12.5 18.7#
40 8.4 6.0 9.0





#35

Benzene

Concen: 22.450 ug/l

RT: 5.79 min Scan# 1383

Delta R.T. -0.00 min

Lab File: VU040916.D

Acq: 22 Oct 2020 20:59

Instrument :

MSVOA_U

ClientSampleId :

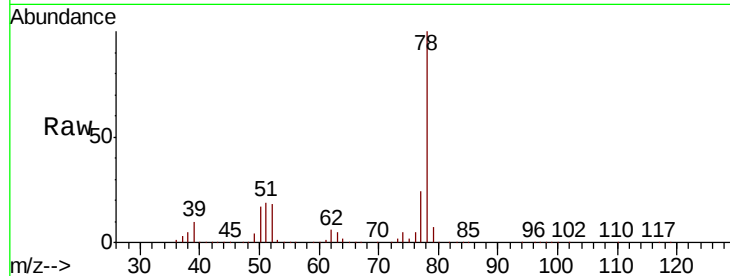
VSTDIC020

Tot Ion: 78 Resp: 1613010

Ion Ratio Lower Upper

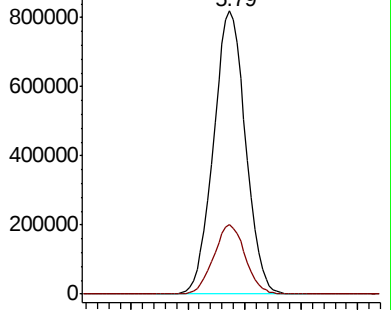
78 100

77 24.4 19.4 29.2

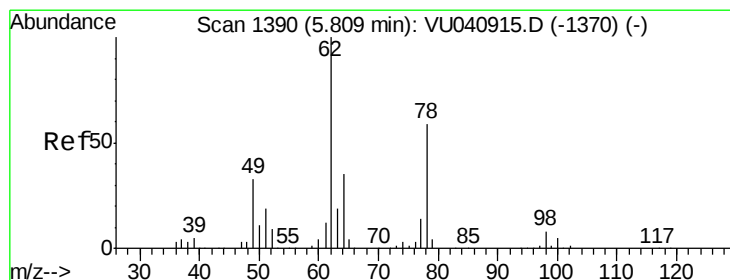
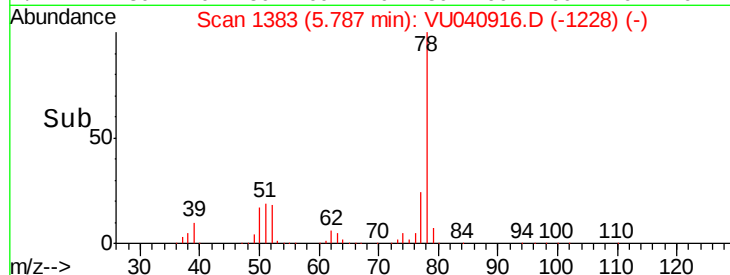


Abundance Ion 78.10 (77.80 to 78.80): VU040916.D (-1228) (-)

Ion 77.00 (76.70 to 77.70): VU040916.D (-1228) (-)



Time-->



#36

1,2-Dichloroethane

Concen: 20.805 ug/l

RT: 5.81 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VU040916.D

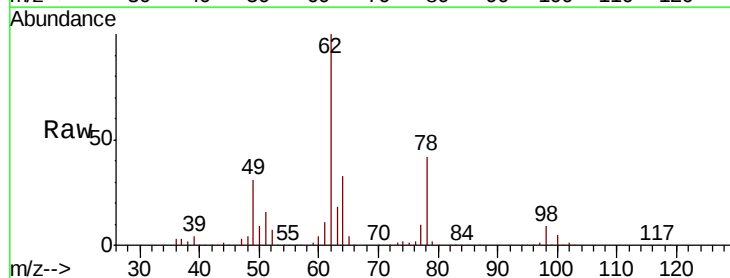
Acq: 22 Oct 2020 20:59

Tgt Ion: 62 Resp: 573577

Ion Ratio Lower Upper

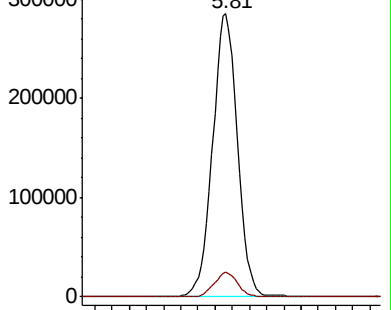
62 100

98 8.2 6.7 10.1

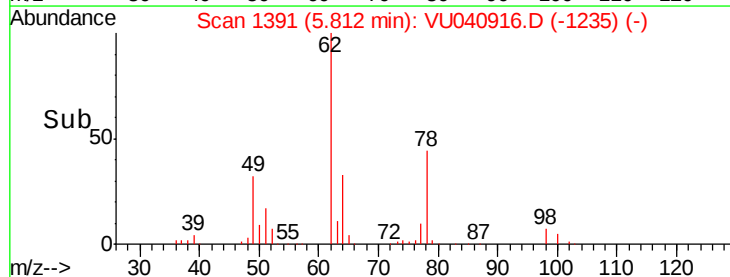


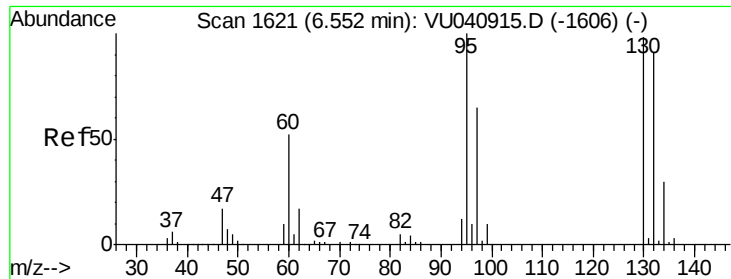
Abundance Ion 62.00 (61.70 to 62.70): VU040916.D (-1235) (-)

Ion 98.00 (97.70 to 98.70): VU040916.D (-1235) (-)



Time-->

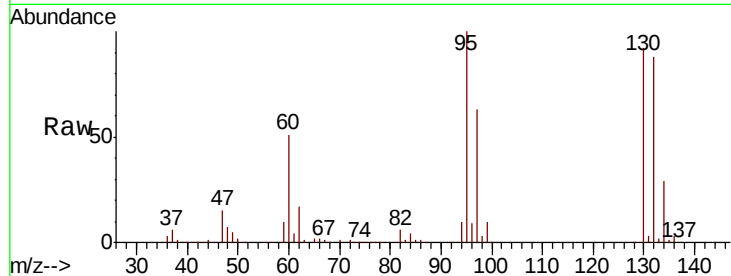




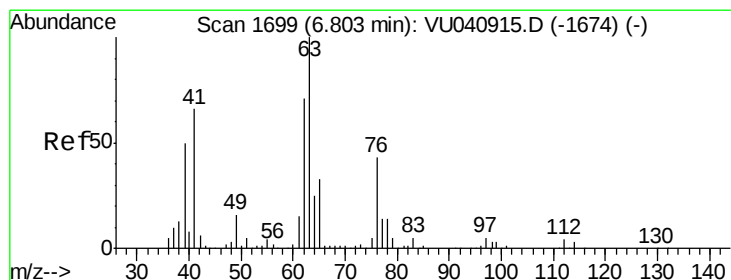
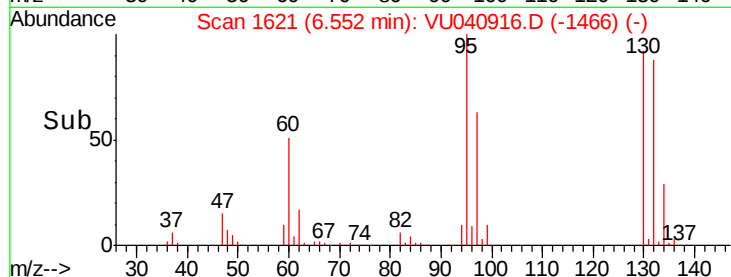
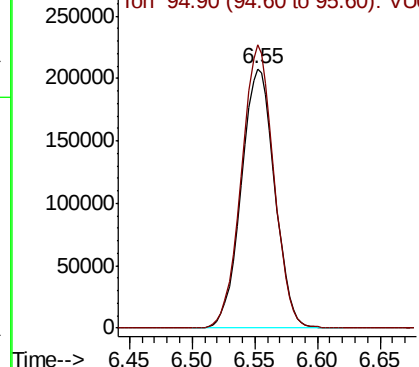
#37
 Trichloroethene
 Concen: 21.346 ug/l
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU040916.D
 Acq: 22 Oct 2020 20:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion:130 Resp: 384380
 Ion Ratio Lower Upper
 130 100
 95 109.2 81.9 122.9

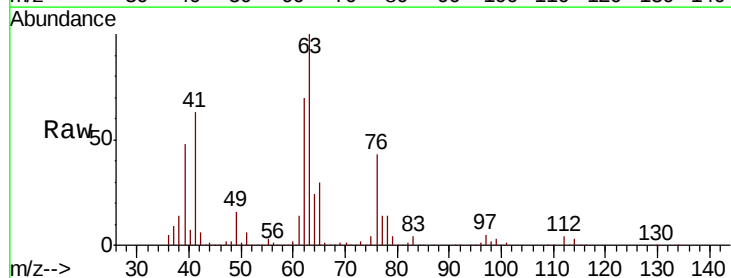


Abundance Ion 129.90 (129.60 to 130.60): VU040915.D (-1606) (-)
 Ion 94.90 (94.60 to 95.60): VU040915.D (-1606) (-)

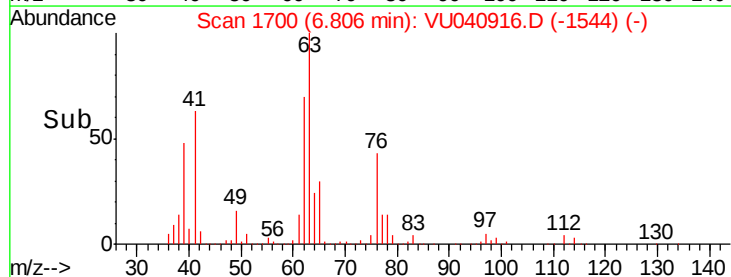
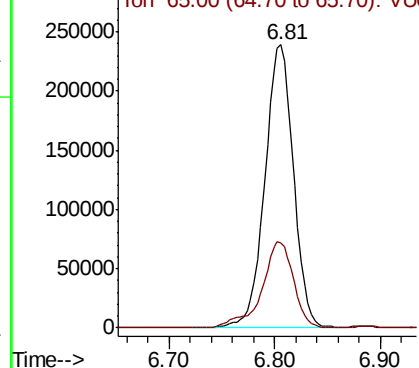


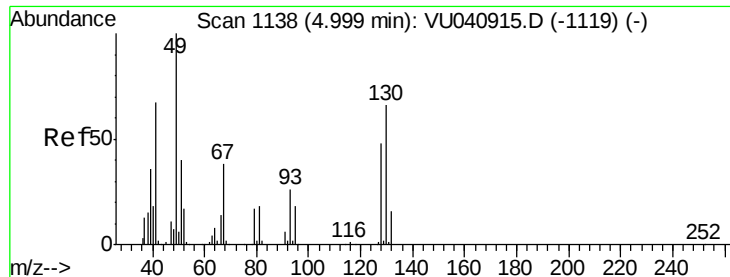
#38
 1,2-Dichloropropane
 Concen: 21.785 ug/l
 RT: 6.81 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VU040916.D
 Acq: 22 Oct 2020 20:59

Tgt Ion: 63 Resp: 452106
 Ion Ratio Lower Upper
 63 100
 65 30.2 26.2 39.2



Abundance Ion 63.00 (62.70 to 63.70): VU040915.D (-1674) (-)
 Ion 65.00 (64.70 to 65.70): VU040915.D (-1674) (-)

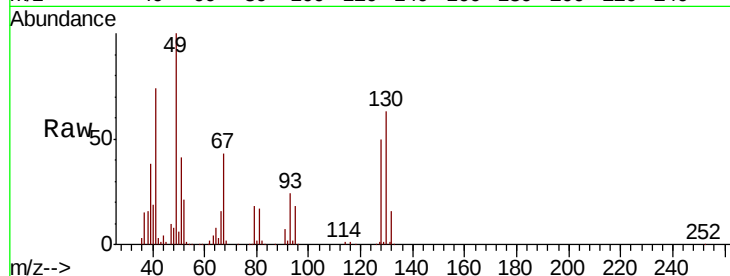




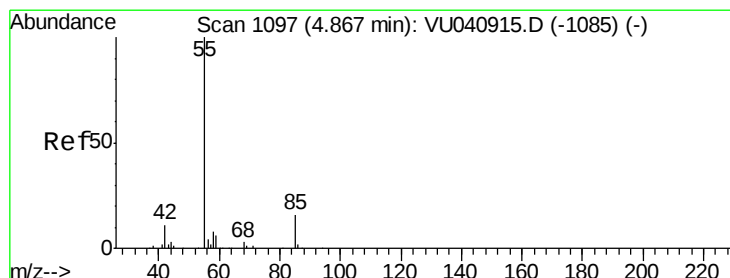
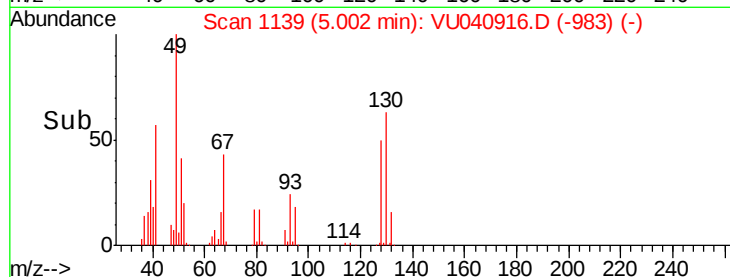
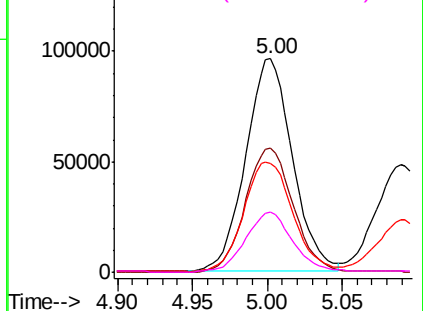
#39
Methacrylonitrile
Concen: 21.494 ug/l
RT: 5.00 min Scan# 1139
Delta R.T. 0.00 min
Lab File: VU040916.D
Acq: 22 Oct 2020 20:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion:	41	Resp:	208683
Ion	Ratio	Lower	Upper
41	100		
67	59.9	48.7	73.1
39	54.0	44.6	67.0
52	28.6	23.3	34.9

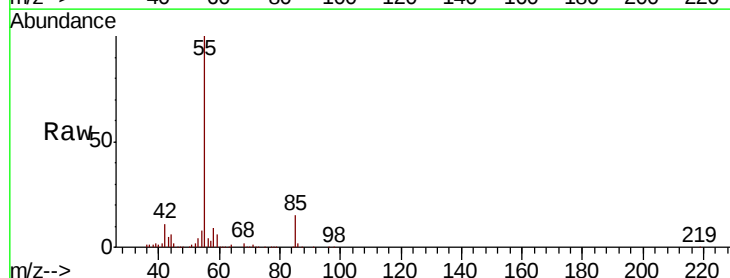


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

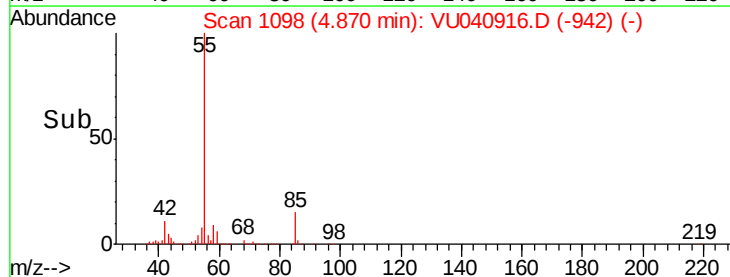
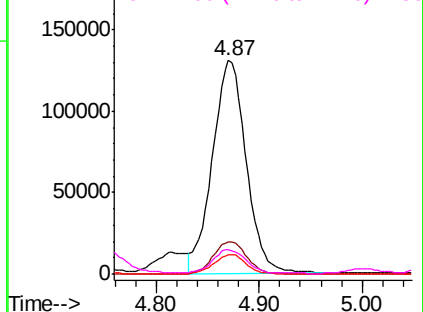


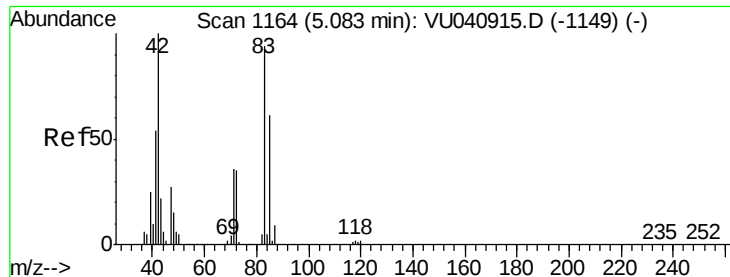
#40
Methyl acrylate
Concen: 23.727 ug/l
RT: 4.87 min Scan# 1098
Delta R.T. 0.00 min
Lab File: VU040916.D
Acq: 22 Oct 2020 20:59

Tgt Ion:	55	Resp:	297691
Ion	Ratio	Lower	Upper
55	100		
85	15.0	12.2	18.2
58	8.6	6.8	10.2
42	11.5	9.4	14.2



Abundance Ion 55.00 (54.70 to 55.70): VU0
Ion 85.00 (84.70 to 85.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 42.00 (41.70 to 42.70): VU0





#41

Tetrahydrofuran

Concen: 44.215 ug/l

RT: 5.09 min Scan# 1166

Delta R.T. 0.01 min

Lab File: VU040916.D

Acq: 22 Oct 2020 20:59

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

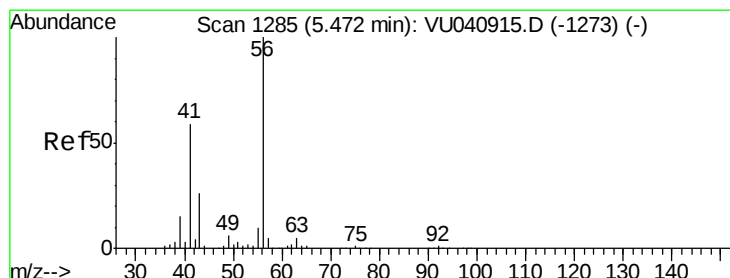
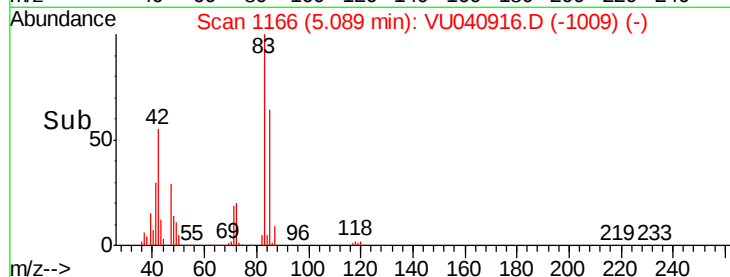
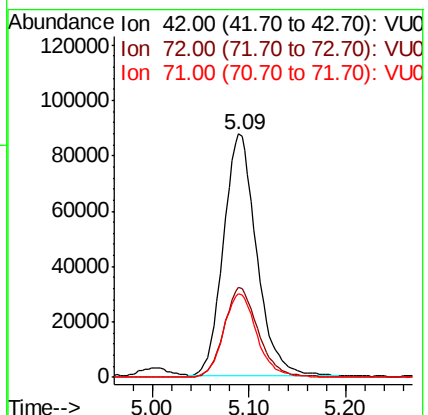
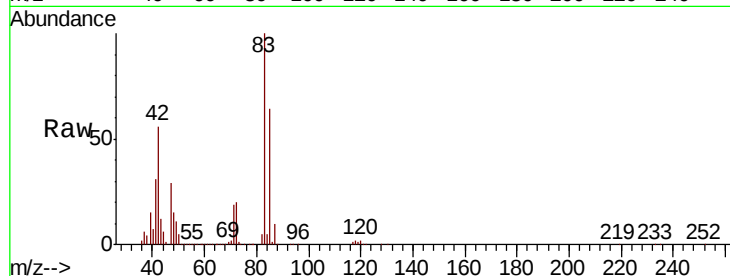
Tot Ion: 42 Resp: 208226

Ion Ratio Lower Upper

42 100

72 38.2 30.1 45.1

71 34.9 27.9 41.9



#42

1-Chlorobutane

Concen: 22.617 ug/l

RT: 5.47 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VU040916.D

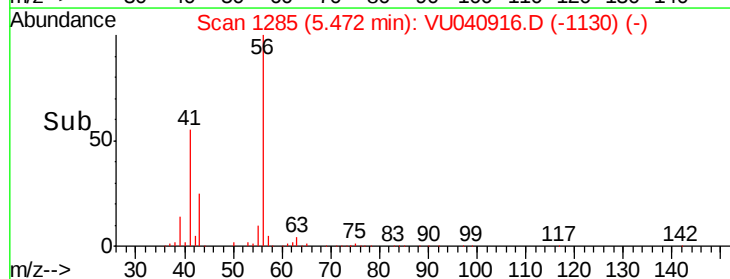
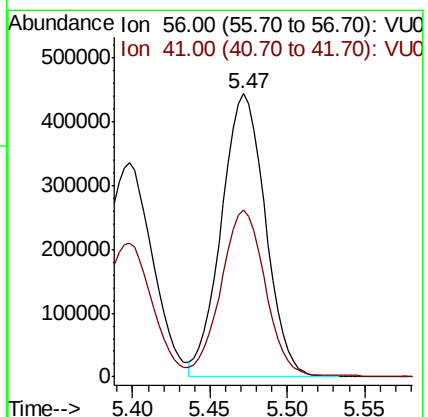
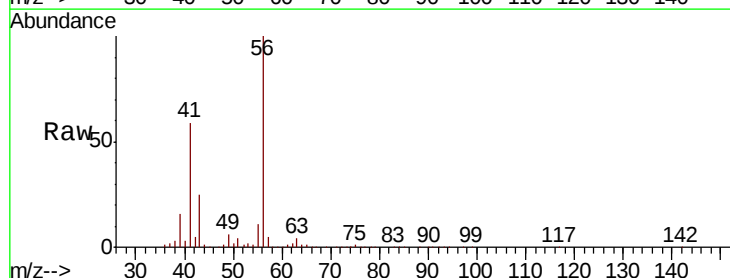
Acq: 22 Oct 2020 20:59

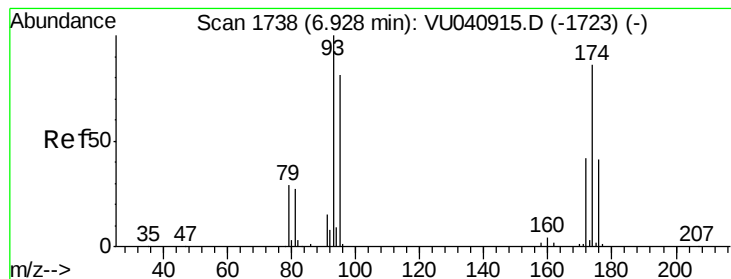
Tgt Ion: 56 Resp: 870379

Ion Ratio Lower Upper

56 100

41 59.6 29.6 88.8





#43

Dibromomethane

Concen: 20.399 ug/l

RT: 6.93 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VU040916.D

Acq: 22 Oct 2020 20:59

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

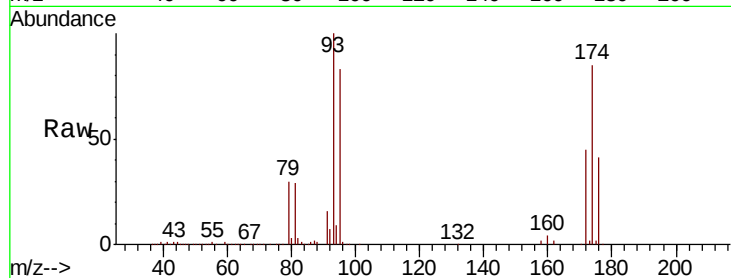
Tot Ion: 93 Resp: 242837

Ion Ratio Lower Upper

93 100

95 83.3 66.3 99.5

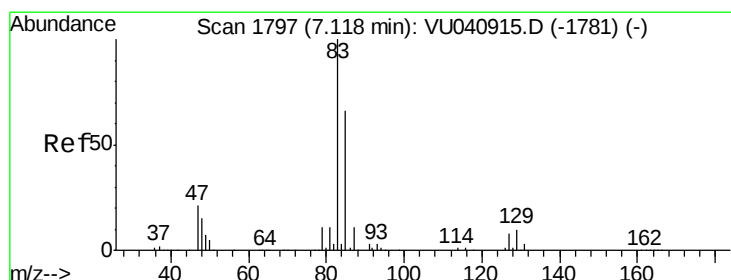
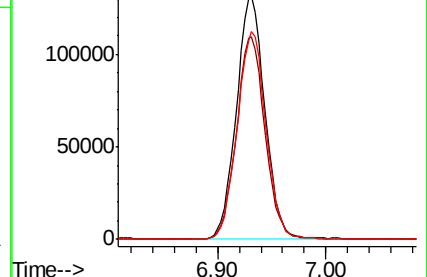
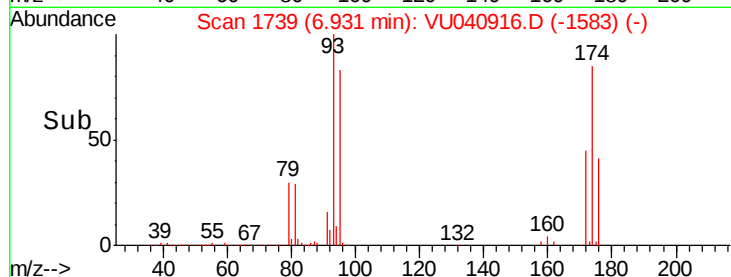
174 86.1 70.4 105.6



Abundance Ion 93.00 (92.70 to 93.70): VU040916.D (-1583) (-)

Ion 95.00 (94.70 to 95.70): VU040916.D (-1583) (-)

Ion 174.00 (173.70 to 174.70): VU040916.D (-1583) (-)



#44

Bromodichloromethane

Concen: 20.685 ug/l

RT: 7.12 min Scan# 1797

Delta R.T. -0.00 min

Lab File: VU040916.D

Acq: 22 Oct 2020 20:59

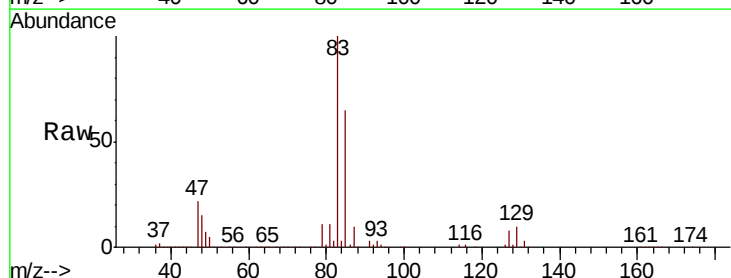
Tgt Ion: 83 Resp: 589802

Ion Ratio Lower Upper

83 100

85 65.1 52.6 78.8

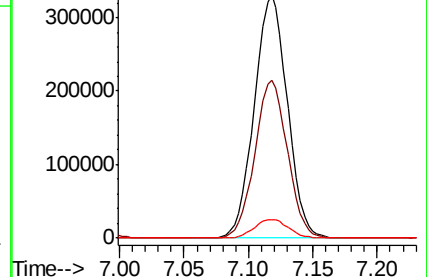
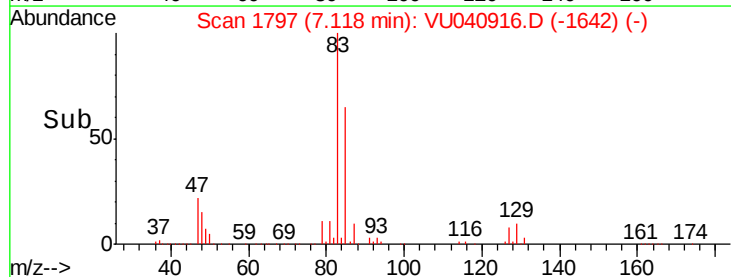
127 7.8 6.4 9.6

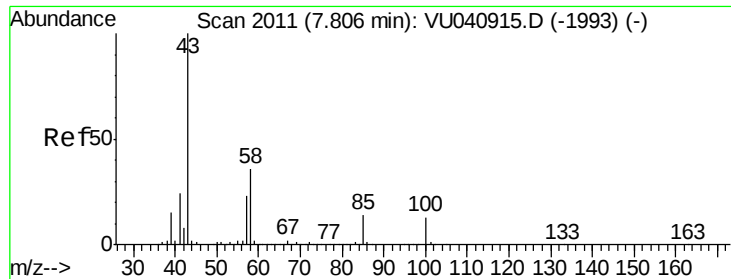


Abundance Ion 83.00 (82.70 to 83.70): VU040916.D (-1642) (-)

Ion 85.00 (84.70 to 85.70): VU040916.D (-1642) (-)

Ion 127.00 (126.70 to 127.70): VU040916.D (-1642) (-)

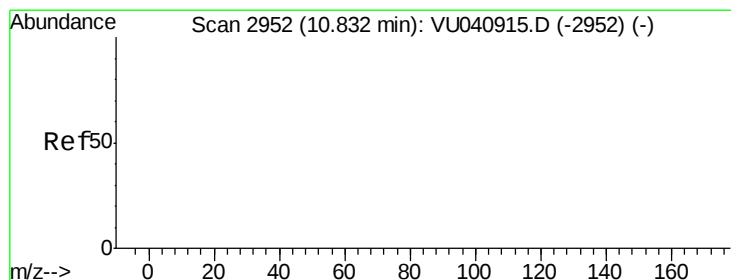
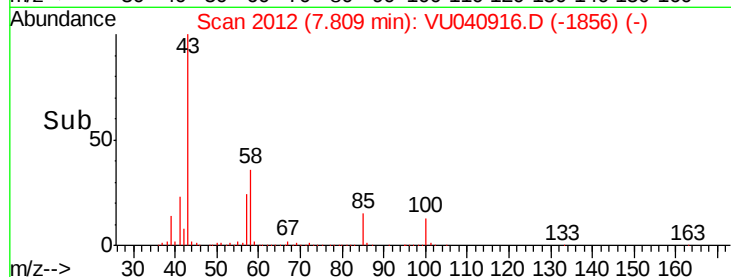
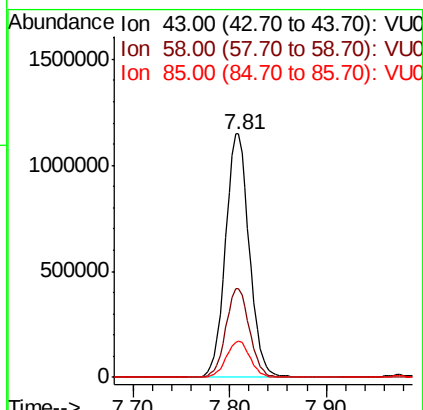
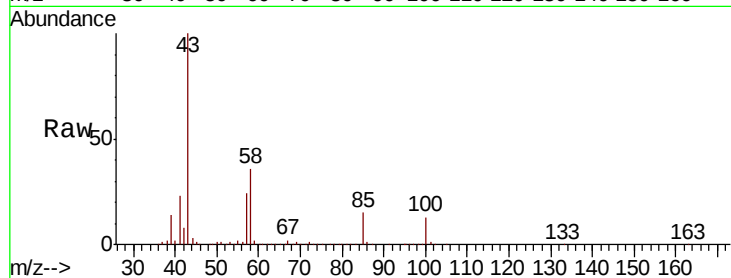




#45
4-Methyl-2-Pentanone
Concen: 119.765 ug/l
RT: 7.81 min Scan# 2012
Delta R.T. 0.00 min
Lab File: VU040916.D
Acq: 22 Oct 2020 20:59

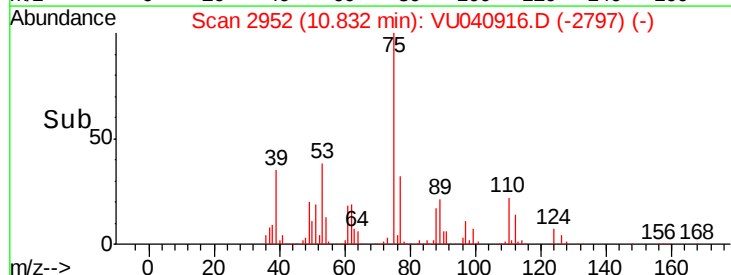
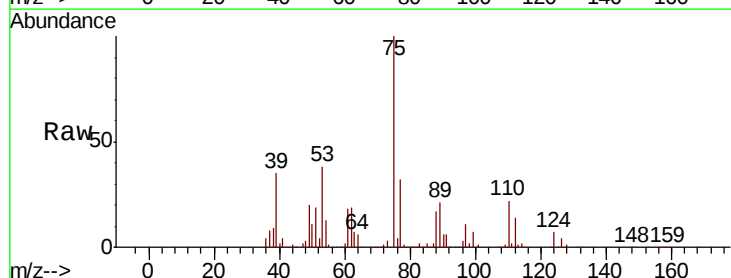
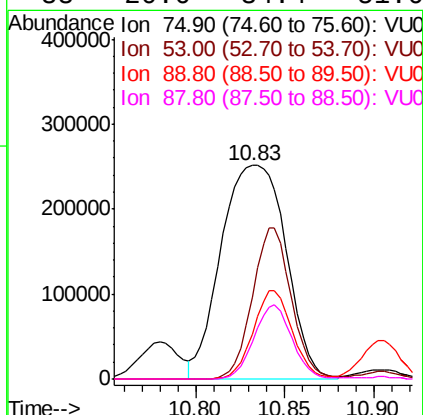
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

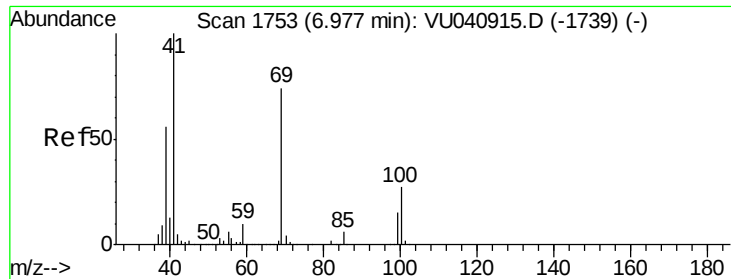
Tot Ion: 43 Resp: 1957707
Ion Ratio Lower Upper
43 100
58 36.4 17.8 53.5
85 14.9 11.4 17.2



#46
t-1,4-Dichloro-2-butene
Concen: 103.055 ug/l
RT: 10.83 min Scan# 2952
Delta R.T. -0.00 min
Lab File: VU040916.D
Acq: 22 Oct 2020 20:59

Tgt Ion: 75 Resp: 637094
Ion Ratio Lower Upper
75 100
53 42.6 73.0 109.4#
89 25.0 41.7 62.5#
88 20.6 34.4 51.6#

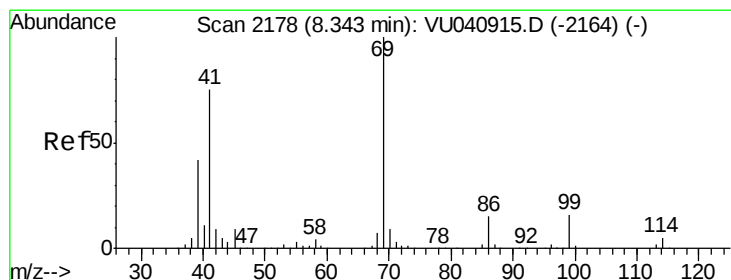
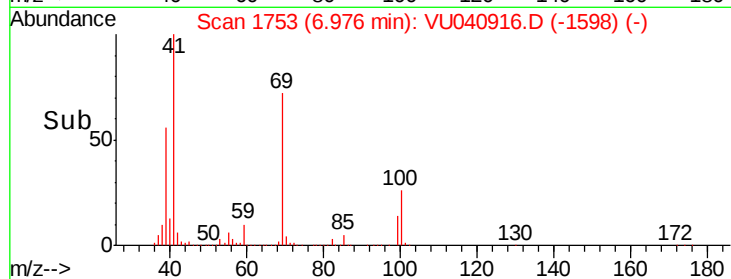
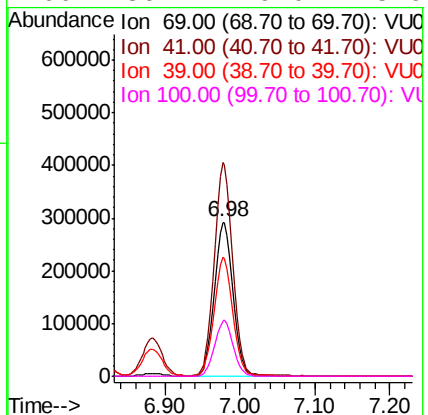
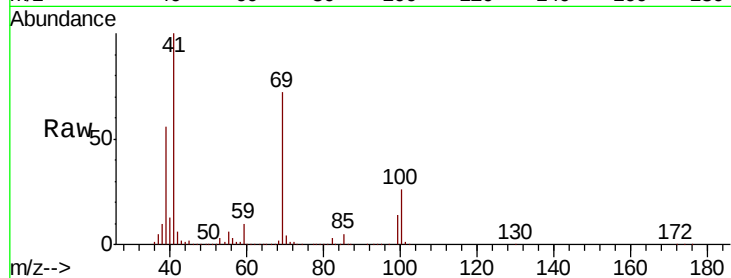




#47
Methyl methacrylate
Concen: 49.291 ug/l
RT: 6.98 min Scan# 1753
Delta R.T. -0.00 min
Lab File: VU040916.D
Acq: 22 Oct 2020 20:59

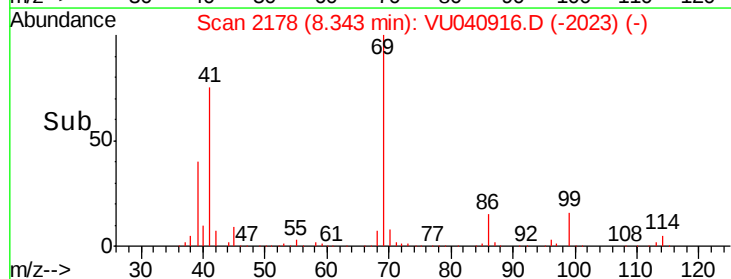
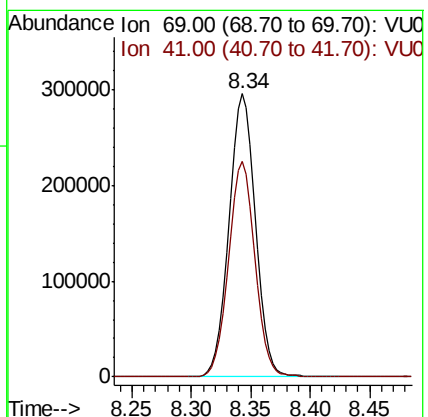
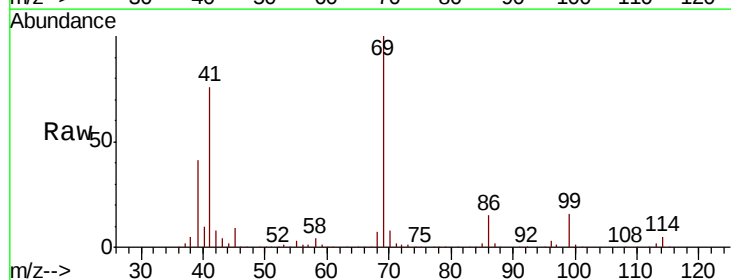
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

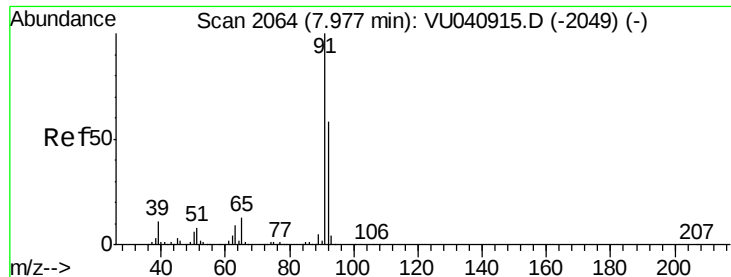
Tot Ion: 69 Resp: 507839
Ion Ratio Lower Upper
69 100
41 136.1 0.0 270.2
39 76.6 61.6 92.4
100 36.1 29.0 43.6



#48
Ethyl methacrylate
Concen: 24.784 ug/l
RT: 8.34 min Scan# 2178
Delta R.T. -0.00 min
Lab File: VU040916.D
Acq: 22 Oct 2020 20:59

Tgt Ion: 69 Resp: 456170
Ion Ratio Lower Upper
69 100
41 75.8 37.6 112.9





#49

Toluene

Concen: 22.880 ug/l

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU040916.D

Acq: 22 Oct 2020 20:59

Instrument :

MSVOA_U

ClientSampleId :

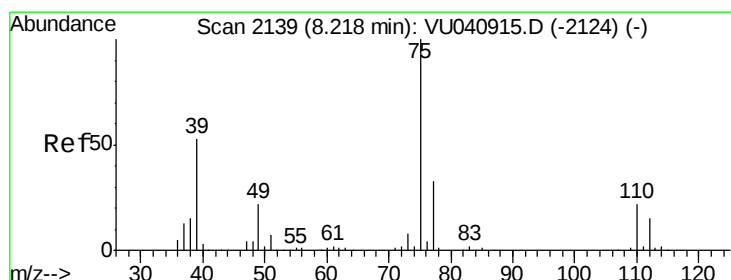
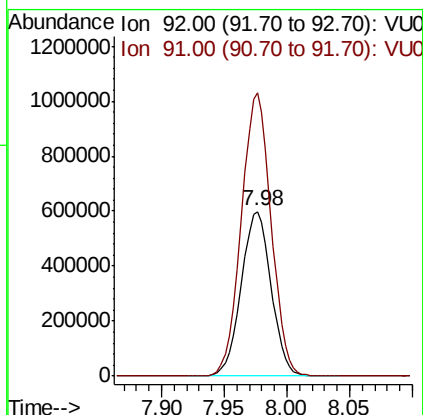
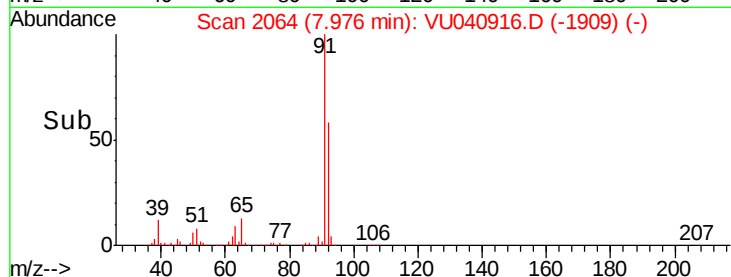
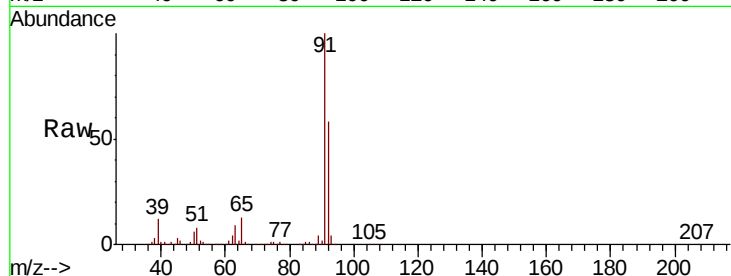
VSTDIC020

Tot Ion: 92 Resp: 992297

Ion Ratio Lower Upper

92 100

91 171.9 136.8 205.2



#50

t-1,3-Dichloropropene

Concen: 22.550 ug/l

RT: 8.22 min Scan# 2139

Delta R.T. -0.00 min

Lab File: VU040916.D

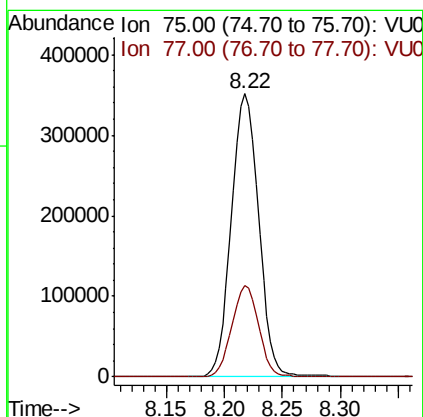
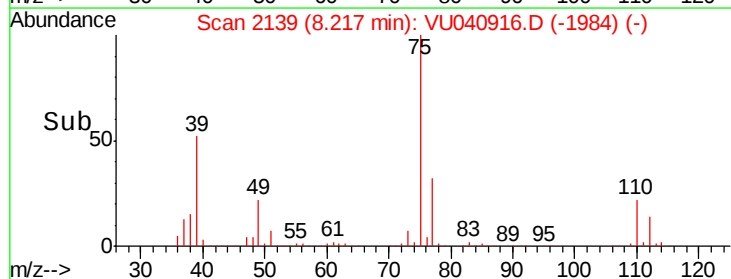
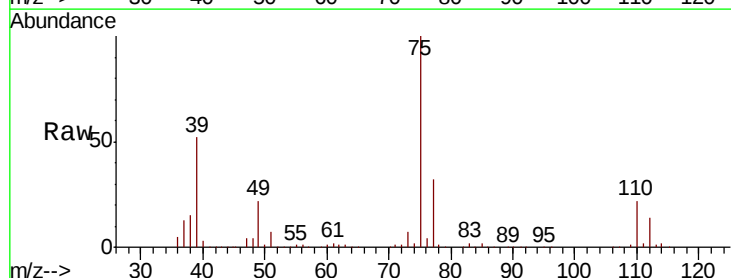
Acq: 22 Oct 2020 20:59

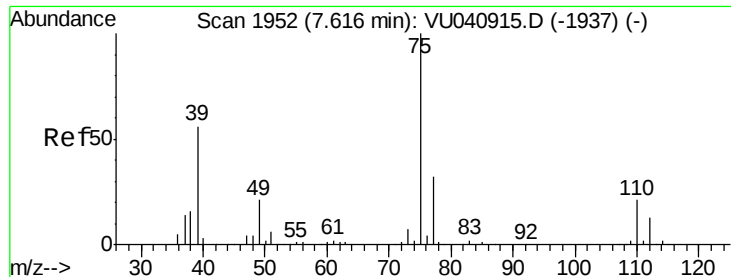
Tgt Ion: 75 Resp: 575603

Ion Ratio Lower Upper

75 100

77 32.2 26.2 39.4

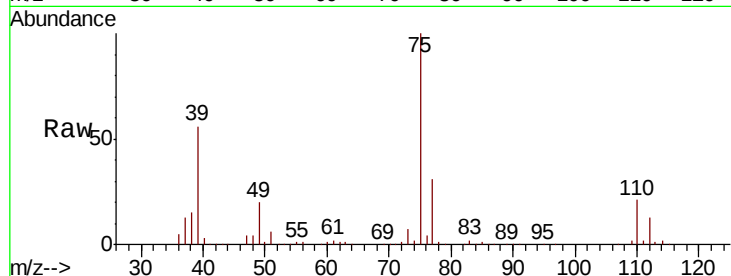




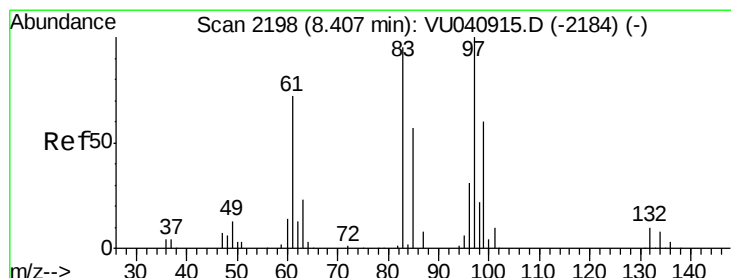
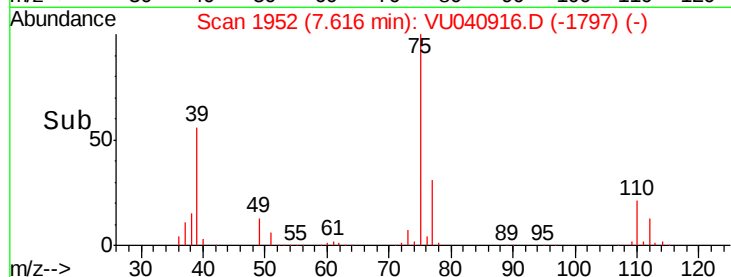
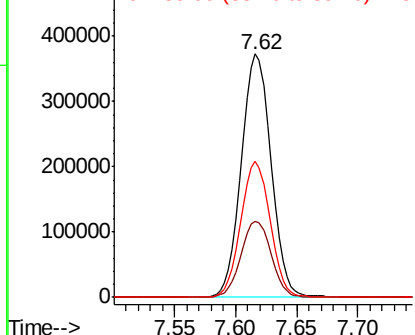
#51
 cis-1,3-Dichloropropene
 Concen: 22.111 ug/l
 RT: 7.62 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VU040916.D
 Acq: 22 Oct 2020 20:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion: 75 Resp: 626927
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.4 38.0
 39 55.6 44.7 67.1



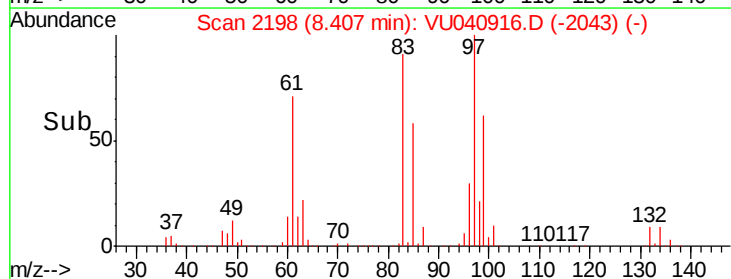
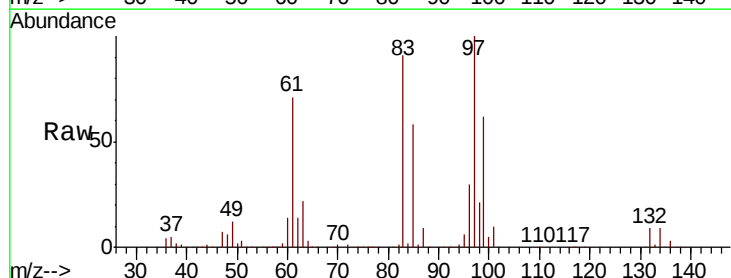
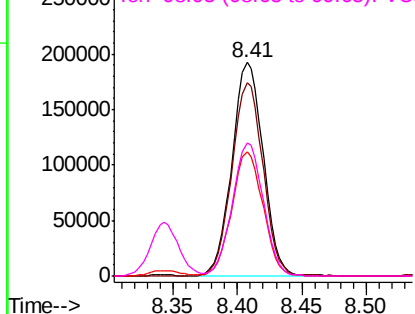
Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 77.00 (76.70 to 77.70): VU0
 Ion 39.00 (38.70 to 39.70): VU0

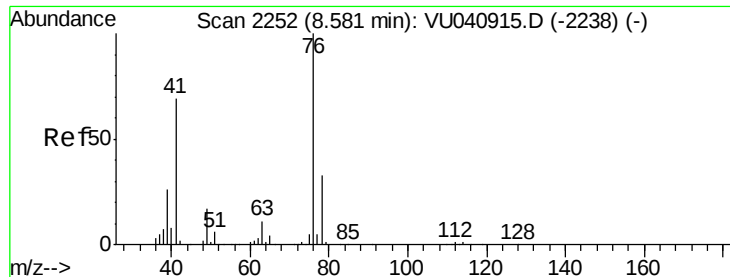


#52
 1,1,2-Trichloroethane
 Concen: 21.091 ug/l
 RT: 8.41 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: VU040916.D
 Acq: 22 Oct 2020 20:59

Tgt Ion: 97 Resp: 321999
 Ion Ratio Lower Upper
 97 100
 83 90.8 75.9 113.9
 85 58.2 46.1 69.1
 99 62.2 50.0 75.0

Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 84.95 (84.65 to 85.65): VU0
 Ion 98.95 (98.65 to 99.65): VU0





#53

1,3-Dichloropropane

Concen: 21.631 ug/l

RT: 8.58 min Scan# 2252

Delta R.T. -0.00 min

Lab File: VU040916.D

Acq: 22 Oct 2020 20:59

Instrument :

MSVOA_U

ClientSampleId :

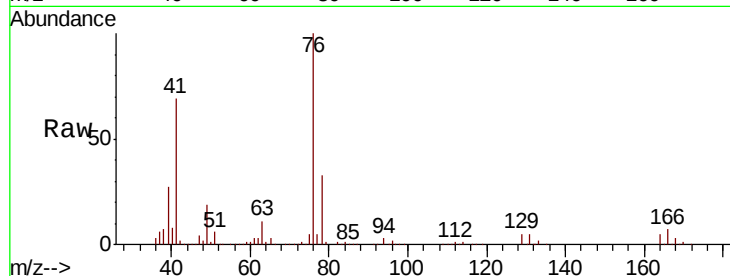
VSTDIC020

Tot Ion: 76 Resp: 593206

Ion Ratio Lower Upper

76 100

78 32.7 26.6 39.8



Abundance Ion 76.00 (75.70 to 76.70): VU040916.D (-2097) (-)

Ion 78.00 (77.70 to 78.70): VU040916.D (-2097) (-)

8.58

400000

300000

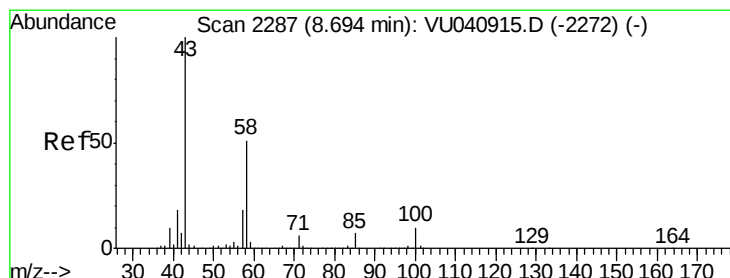
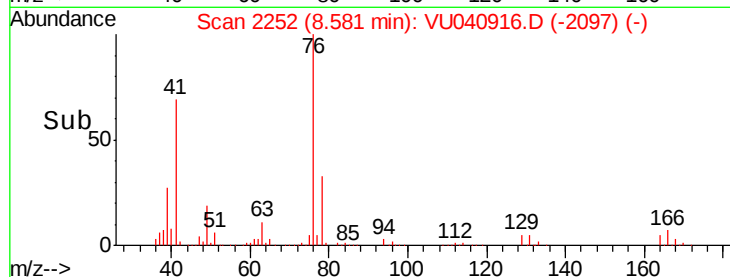
200000

100000

0

8.50 8.55 8.60 8.65

Time-->



#54

2-Hexanone

Concen: 119.694 ug/l

RT: 8.70 min Scan# 2288

Delta R.T. 0.00 min

Lab File: VU040916.D

Acq: 22 Oct 2020 20:59

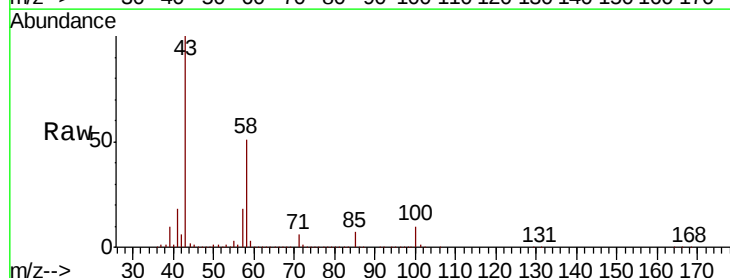
Tgt Ion: 43 Resp: 1407879

Ion Ratio Lower Upper

43 100

58 51.2 30.2 70.2

57 17.5 0.0 37.4



Abundance Ion 43.00 (42.70 to 43.70): VU040916.D (-2132) (-)

Ion 58.00 (57.70 to 58.70): VU040916.D (-2132) (-)

Ion 57.00 (56.70 to 57.70): VU040916.D (-2132) (-)

8.70

1200000

1000000

800000

600000

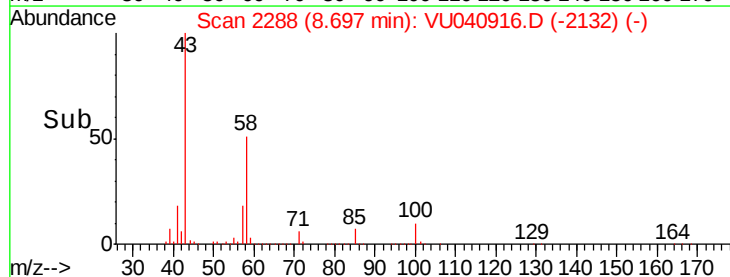
400000

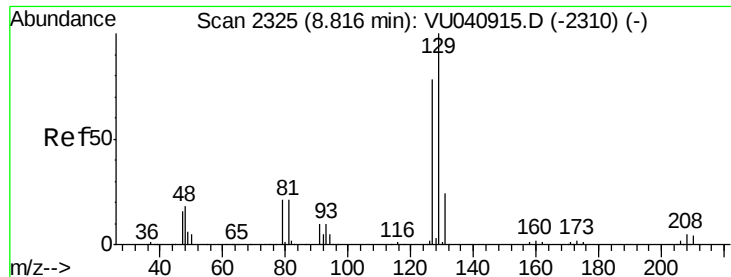
200000

0

8.60 8.70 8.80

Time-->





#55

Dibromochloromethane

Concen: 21.673 ug/l

RT: 8.82 min Scan# 2325

Delta R.T. -0.00 min

Lab File: VU040916.D

Acq: 22 Oct 2020 20:59

Instrument :

MSVOA_U

ClientSampleId :

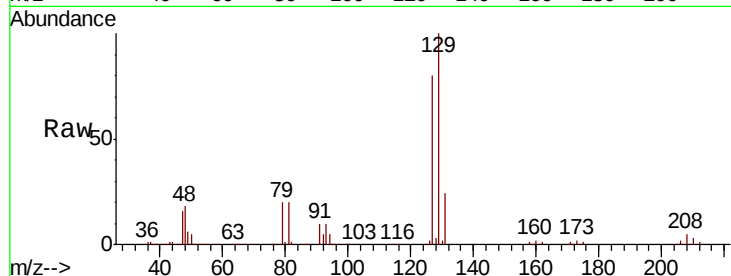
VSTDIC020

Tot Ion:129 Resp: 385086

Ion Ratio Lower Upper

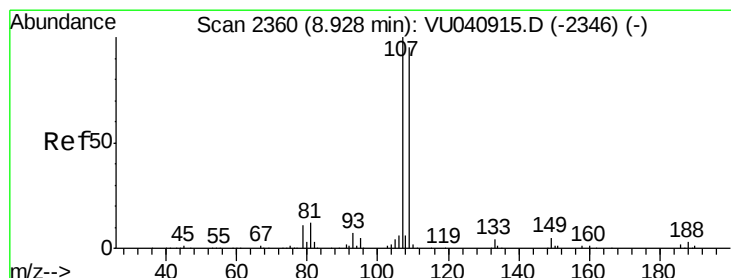
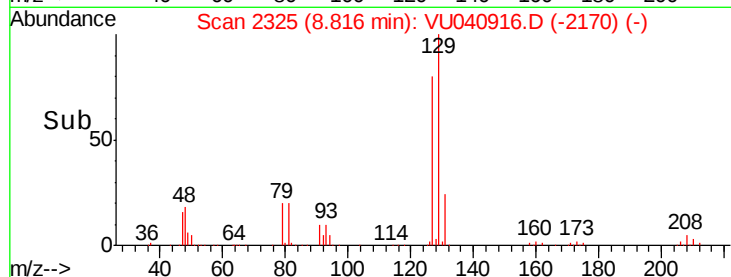
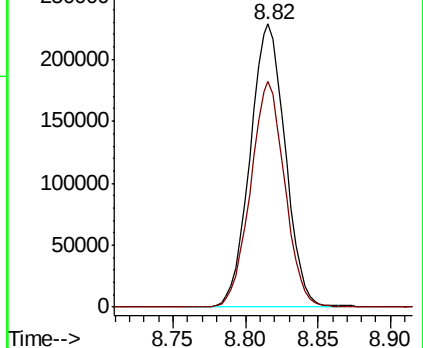
129 100

127 77.7 63.1 94.7



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 22.047 ug/l

RT: 8.93 min Scan# 2360

Delta R.T. -0.00 min

Lab File: VU040916.D

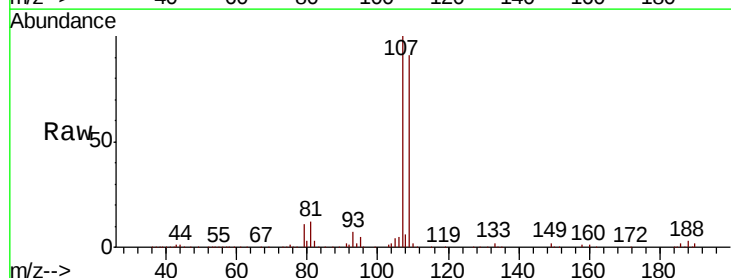
Acq: 22 Oct 2020 20:59

Tgt Ion:107 Resp: 314758

Ion Ratio Lower Upper

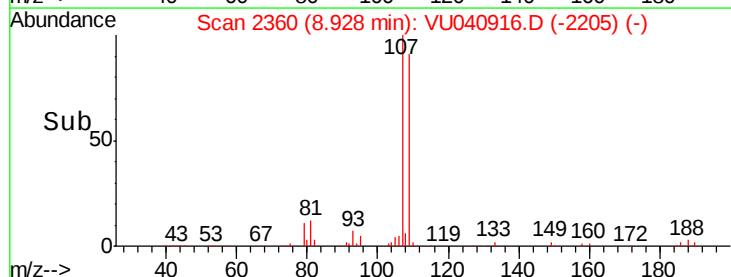
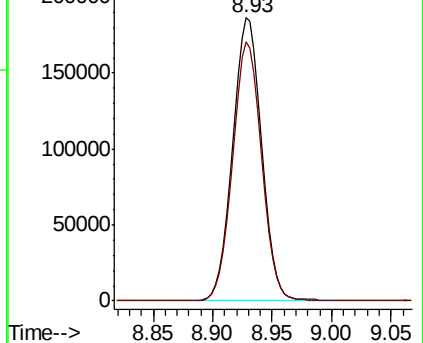
107 100

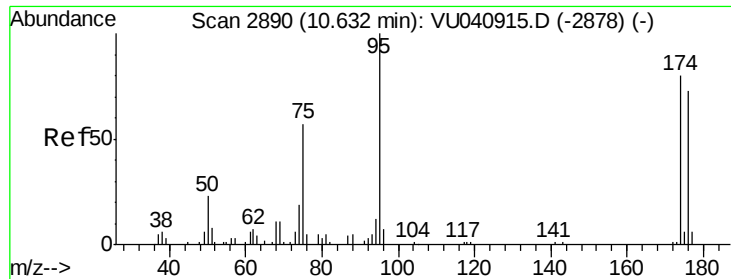
109 91.6 0.0 190.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

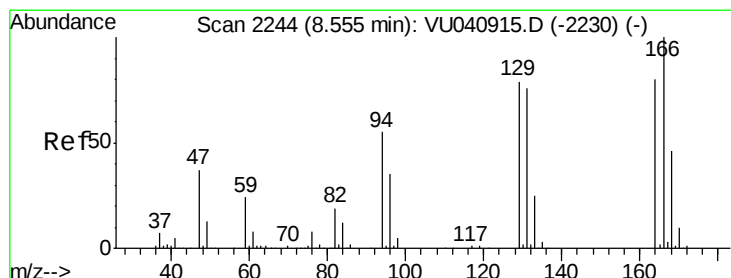
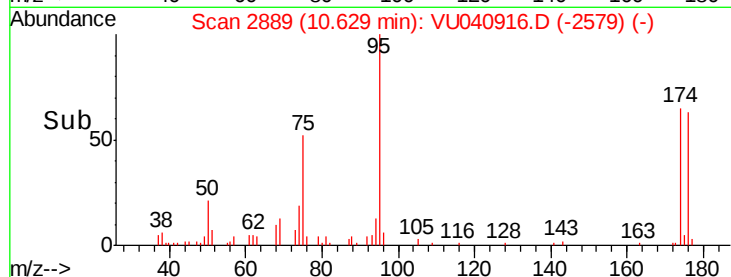
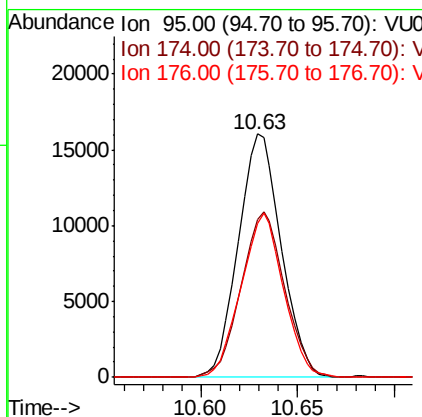
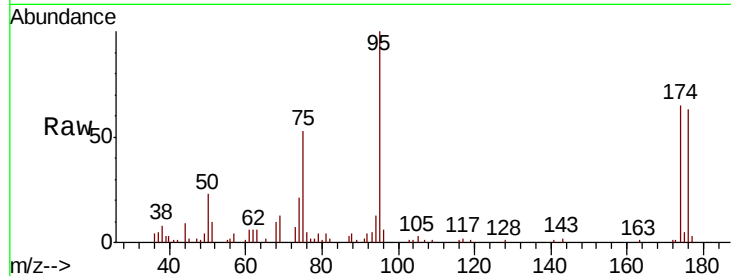




#57
4-Bromofluorobenzene
Concen: 0.944 ug/l
RT: 10.63 min Scan# 2889
Delta R.T. -0.00 min
Lab File: VU040916.D
Acq: 22 Oct 2020 20:59

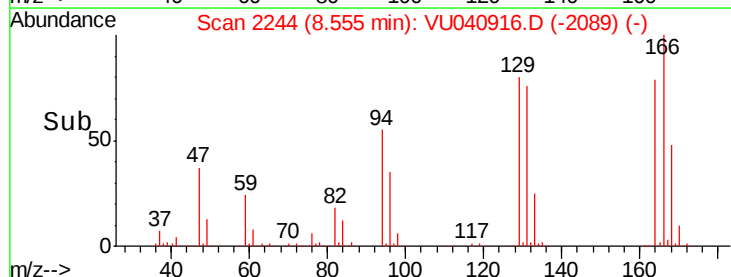
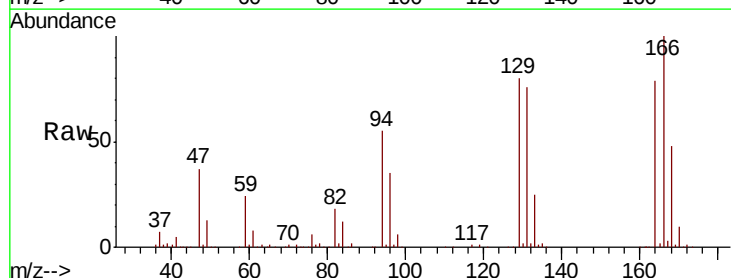
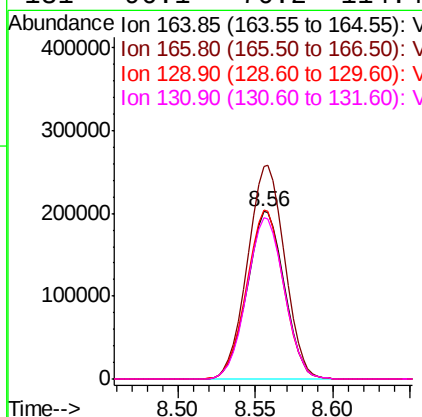
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

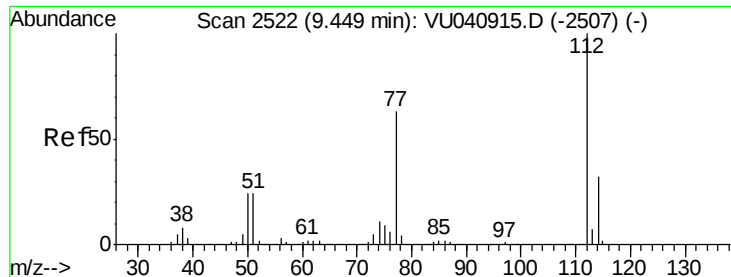
Tot Ion: 95 Resp: 24713
Ion Ratio Lower Upper
95 100
174 69.2 60.3 90.5
176 66.8 55.6 83.4



#58
Tetrachloroethene
Concen: 19.494 ug/l
RT: 8.56 min Scan# 2244
Delta R.T. -0.00 min
Lab File: VU040916.D
Acq: 22 Oct 2020 20:59

Tgt Ion: 164 Resp: 337816
Ion Ratio Lower Upper
164 100
166 126.6 100.3 150.5
129 101.0 79.4 119.0
131 96.1 76.2 114.4





#59

Chlorobenzene

Concen: 21.726 ug/l

RT: 9.45 min Scan# 2522

Delta R.T. -0.00 min

Lab File: VU040916.D

Acq: 22 Oct 2020 20:59

Instrument :

MSVOA_U

ClientSampleId :

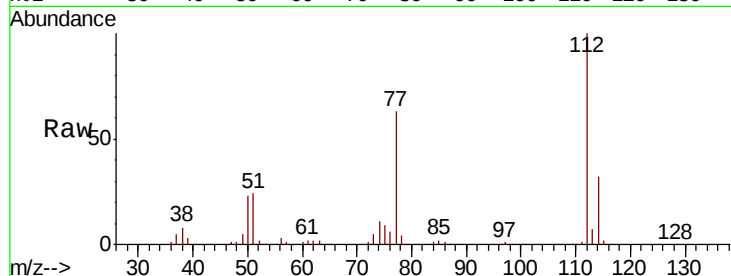
VSTDIC020

Tot Ion:112 Resp: 1025147

Ion Ratio Lower Upper

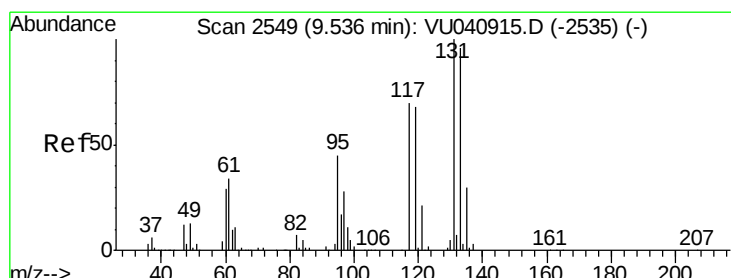
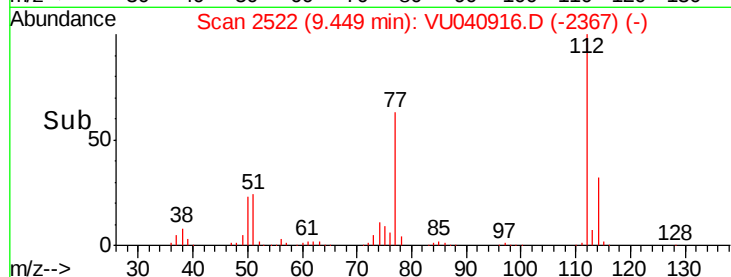
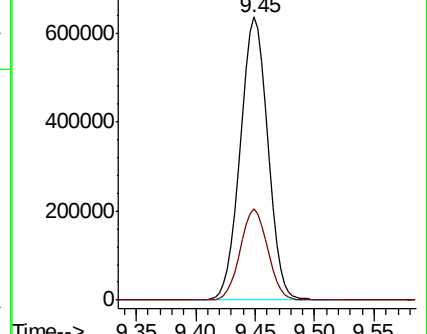
112 100

114 32.1 25.8 38.8



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#60

1,1,1,2-Tetrachloroethane

Concen: 21.430 ug/l

RT: 9.54 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VU040916.D

Acq: 22 Oct 2020 20:59

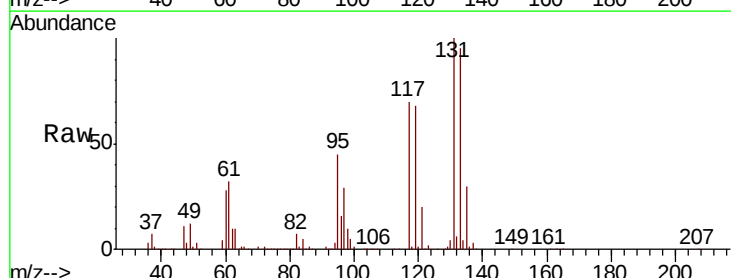
Tgt Ion:131 Resp: 371886

Ion Ratio Lower Upper

131 100

133 95.0 77.4 116.0

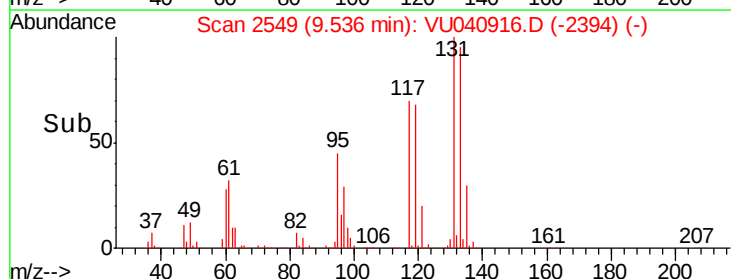
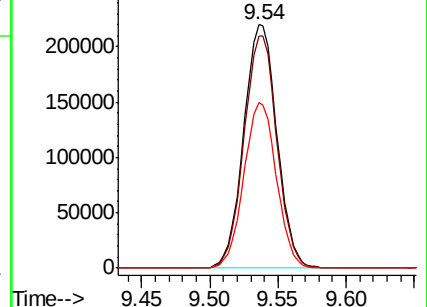
119 66.8 53.5 80.3

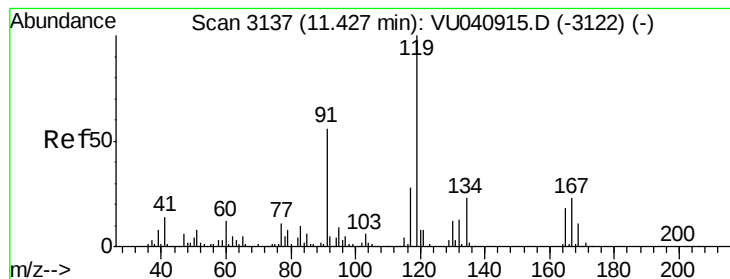


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#61

Pentachloroethane

Concen: 23.922 ug/l

RT: 11.43 min Scan# 3137

Delta R.T. -0.00 min

Lab File: VU040916.D

Acq: 22 Oct 2020 20:59

Instrument :

MSVOA_U

ClientSampleId :

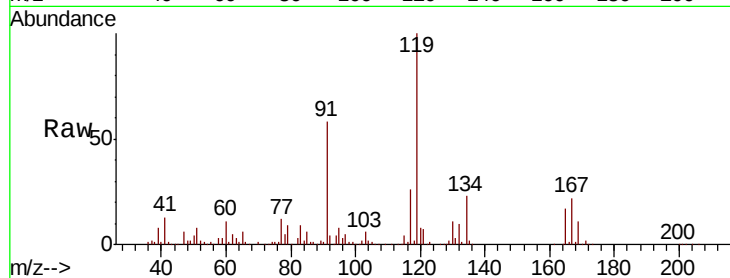
VSTDIC020

Tot Ion:117 Resp: 293283

Ion Ratio Lower Upper

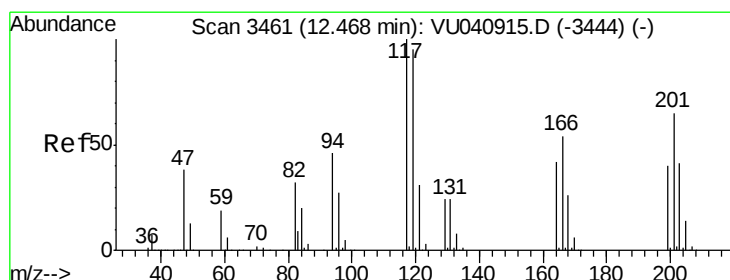
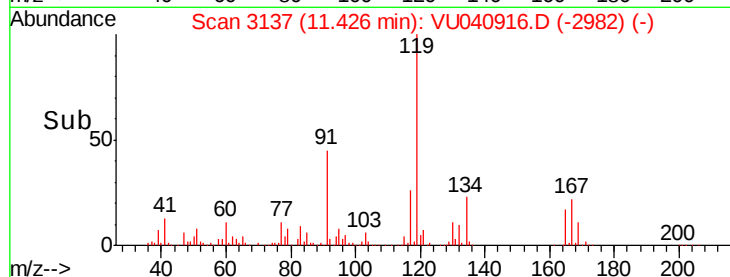
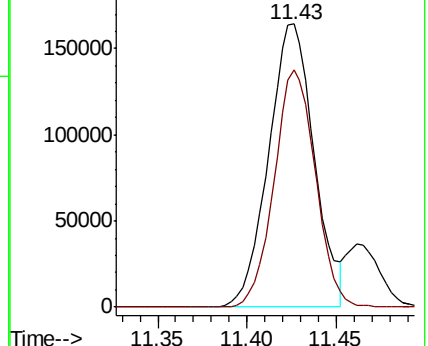
117 100

167 76.1 59.4 89.2



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V



#62

Hexachloroethane

Concen: 21.597 ug/l

RT: 12.47 min Scan# 3461

Delta R.T. -0.00 min

Lab File: VU040916.D

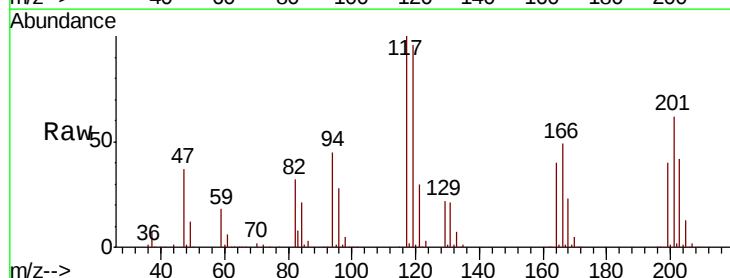
Acq: 22 Oct 2020 20:59

Tgt Ion:117 Resp: 324450

Ion Ratio Lower Upper

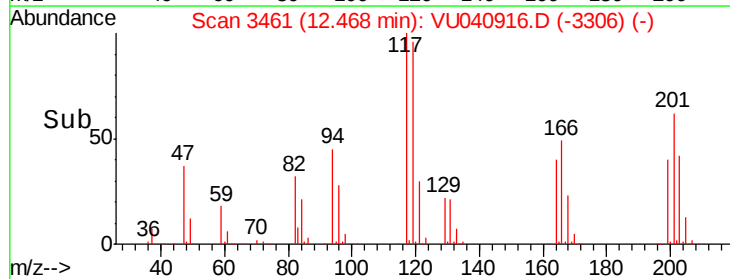
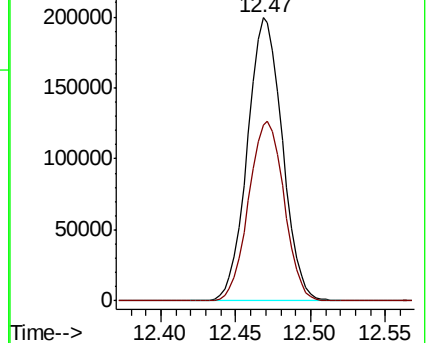
117 100

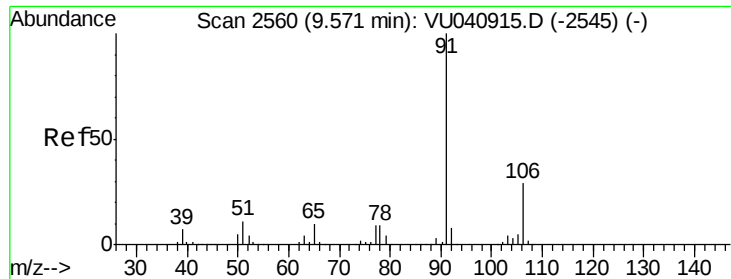
201 64.5 52.6 78.8



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V

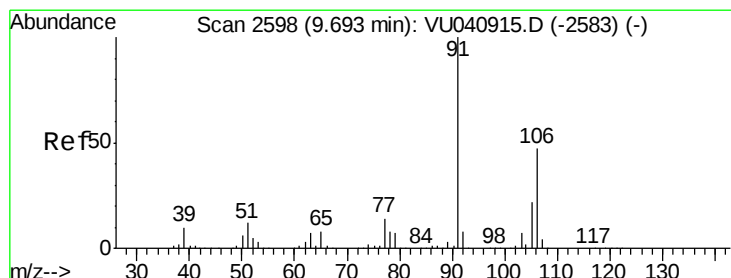
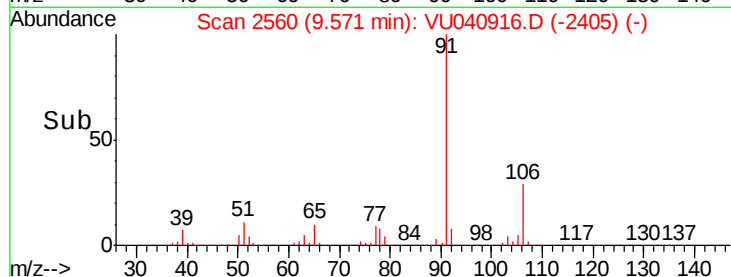
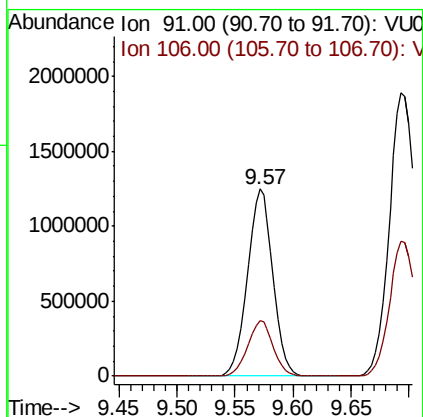
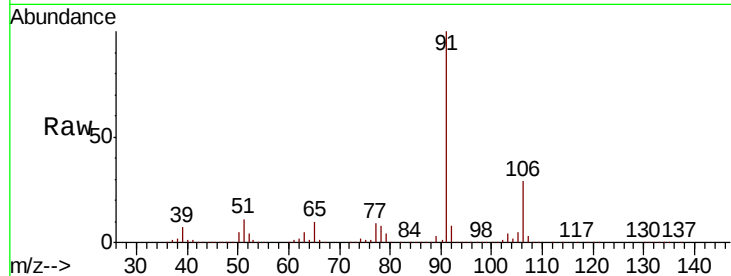




#63
Ethyl Benzene
Concen: 23.575 ug/l
RT: 9.57 min Scan# 2560
Delta R.T. -0.00 min
Lab File: VU040916.D
Acq: 22 Oct 2020 20:59

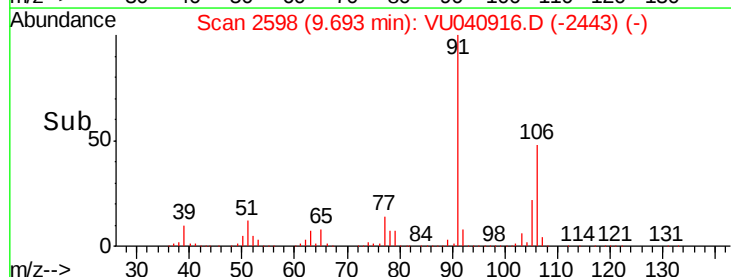
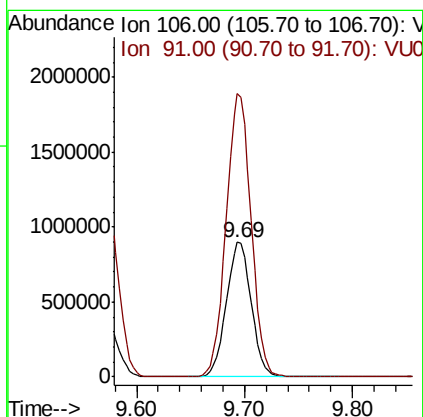
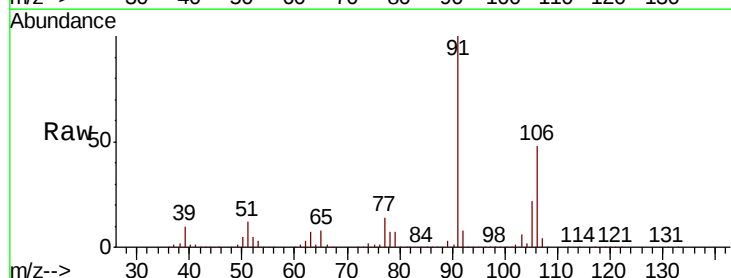
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

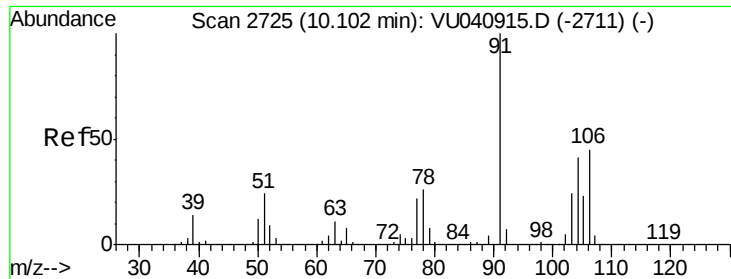
Tot Ion: 91 Resp: 1901375
Ion Ratio Lower Upper
91 100
106 29.4 23.5 35.3



#64
m/p-Xylenes
Concen: 47.462 ug/l
RT: 9.69 min Scan# 2598
Delta R.T. -0.00 min
Lab File: VU040916.D
Acq: 22 Oct 2020 20:59

Tgt Ion: 106 Resp: 1439805
Ion Ratio Lower Upper
106 100
91 210.8 168.3 252.5

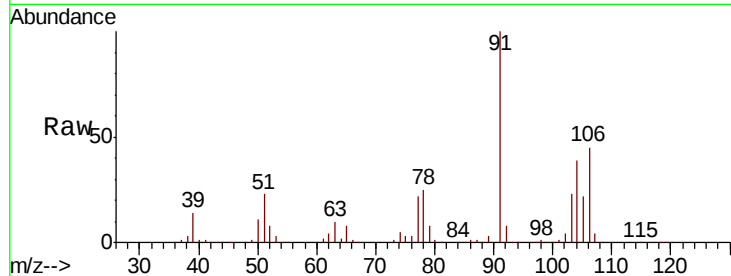




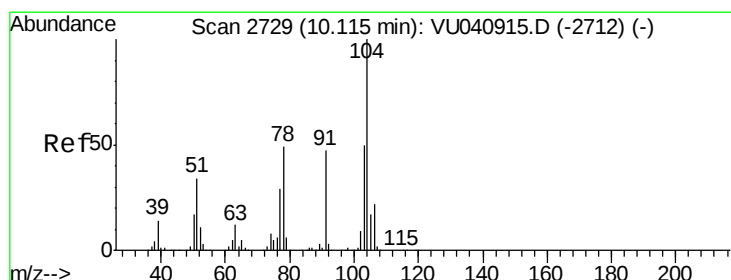
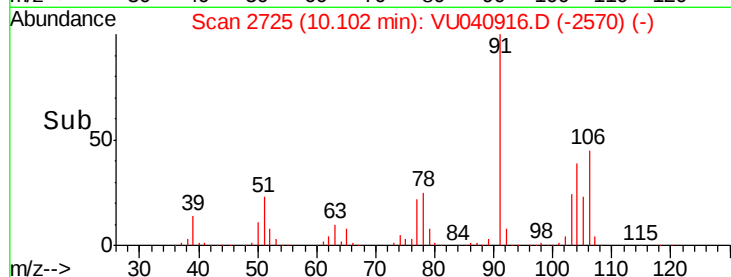
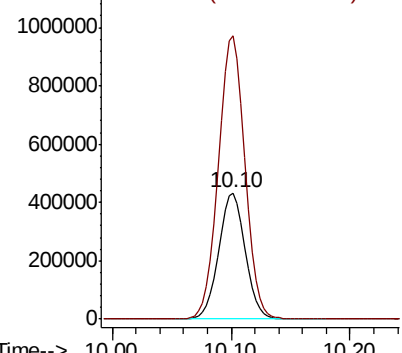
#65
o-Xylene
Concen: 22.897 ug/l
RT: 10.10 min Scan# 2725
Delta R.T. -0.00 min
Lab File: VU040916.D
Acq: 22 Oct 2020 20:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion:106 Resp: 665149
Ion Ratio Lower Upper
106 100
91 225.9 111.3 333.9

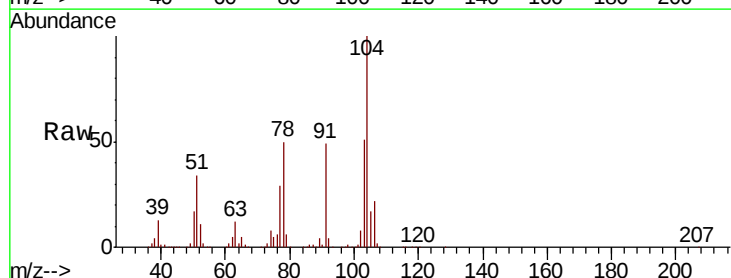


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

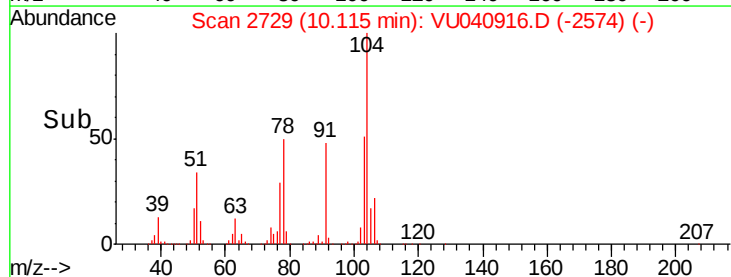
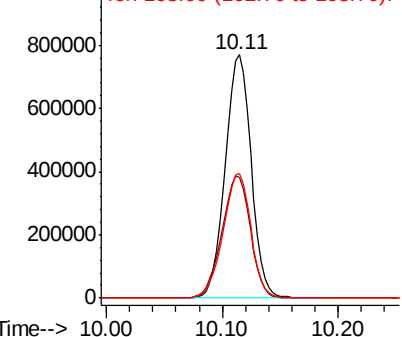


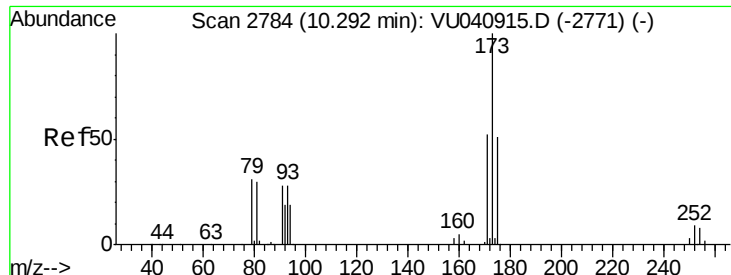
#66
Styrene
Concen: 23.354 ug/l
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU040916.D
Acq: 22 Oct 2020 20:59

Tgt Ion:104 Resp: 1192962
Ion Ratio Lower Upper
104 100
78 55.1 43.4 65.0
103 54.8 43.1 64.7



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V

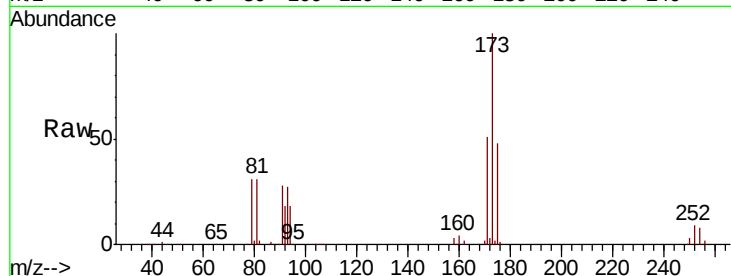




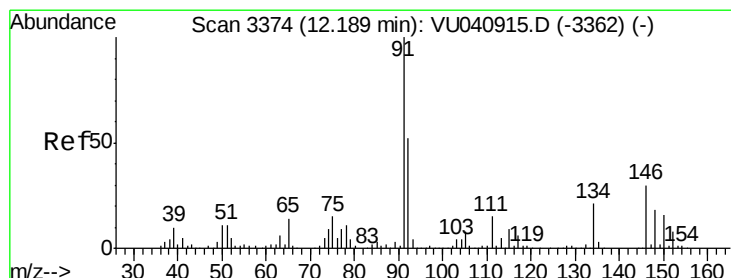
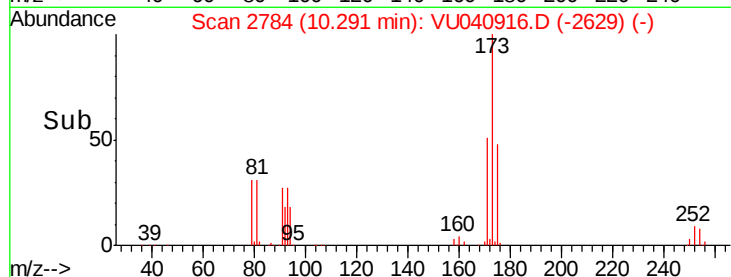
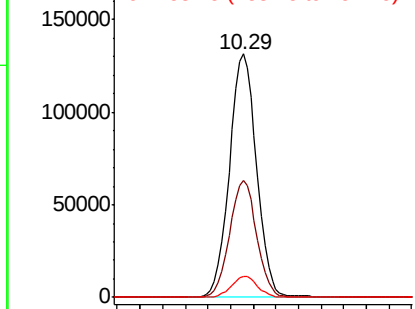
#67
Bromoform
Concen: 23.688 ug/l
RT: 10.29 min Scan# 2784
Delta R.T. -0.00 min
Lab File: VU040916.D
Acq: 22 Oct 2020 20:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion:173 Resp: 219001
Ion Ratio Lower Upper
173 100
175 47.7 39.0 58.4
254 8.3 6.6 9.8

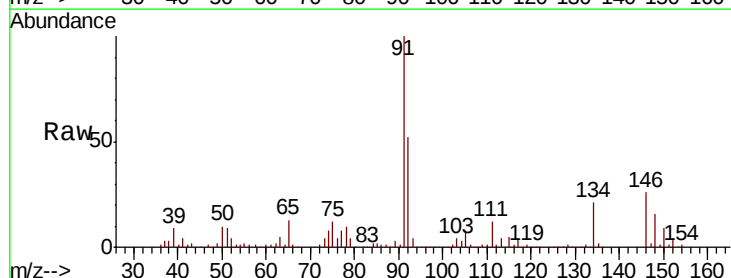


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V

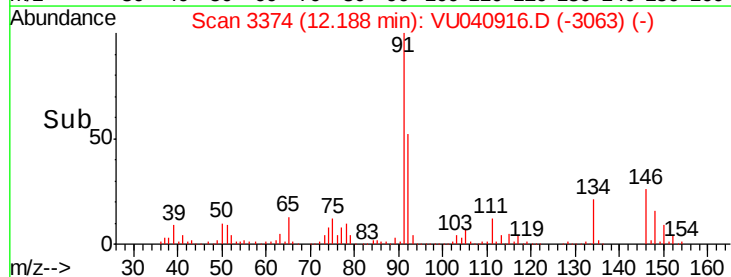
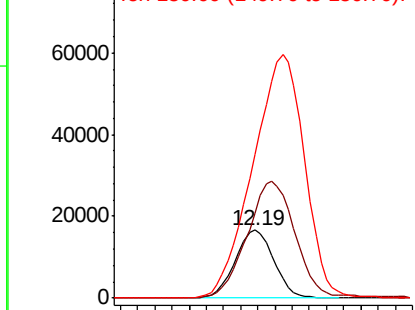


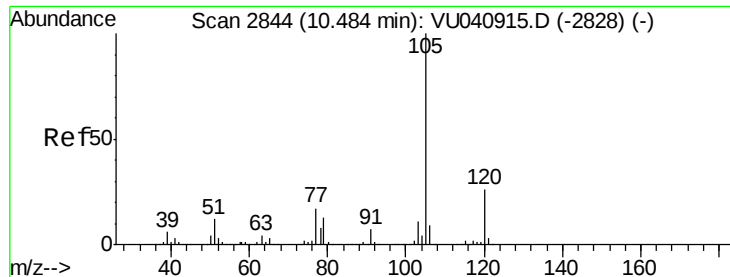
#68
1,2-Dichlorobenzene-d4
Concen: 1.068 ug/l
RT: 12.19 min Scan# 3374
Delta R.T. -0.00 min
Lab File: VU040916.D
Acq: 22 Oct 2020 20:59

Tgt Ion:152 Resp: 26115
Ion Ratio Lower Upper
152 100
115 210.9 0.0 323.4
150 476.7 0.0 653.8



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 22.787 ug/l

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU040916.D

Acq: 22 Oct 2020 20:59

Instrument :

MSVOA_U

ClientSampleId :

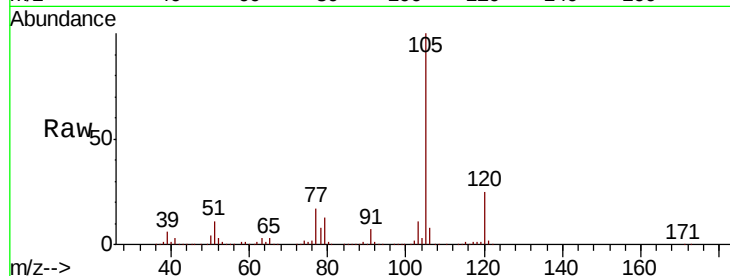
VSTDIC020

Tot Ion:105 Resp: 1808593

Ion Ratio Lower Upper

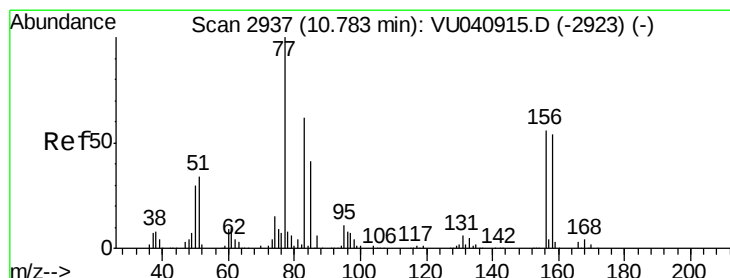
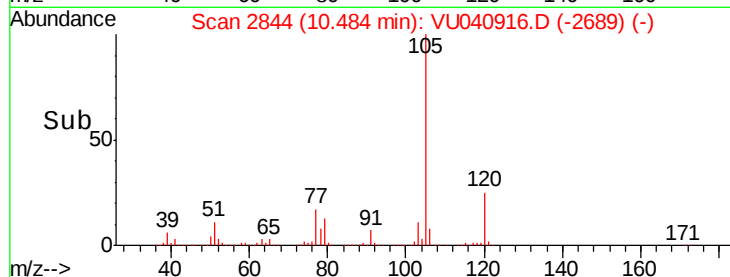
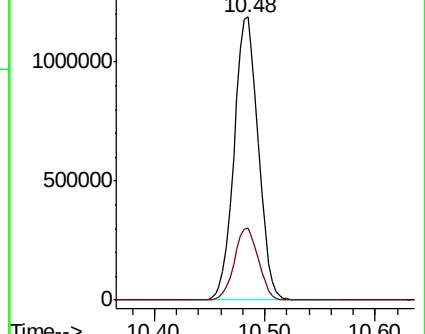
105 100

120 25.5 12.9 38.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#70

1,1,2,2-Tetrachloroethane

Concen: 21.797 ug/l

RT: 10.78 min Scan# 2937

Delta R.T. -0.00 min

Lab File: VU040916.D

Acq: 22 Oct 2020 20:59

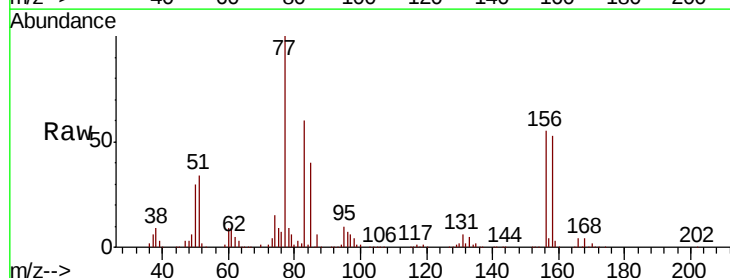
Tgt Ion: 83 Resp: 446294

Ion Ratio Lower Upper

83 100

131 9.4 7.1 10.7

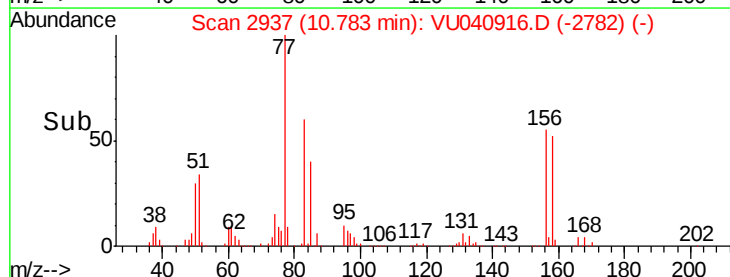
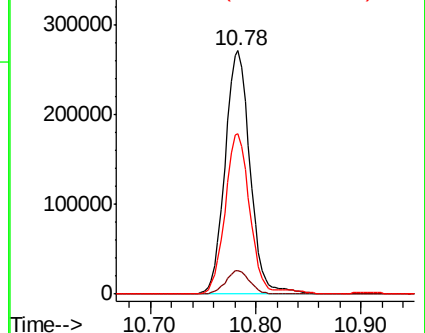
85 65.7 51.8 77.6

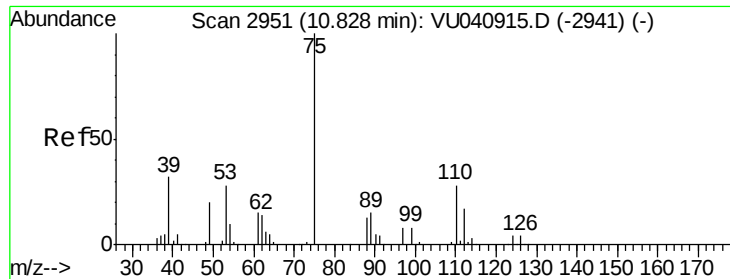


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0

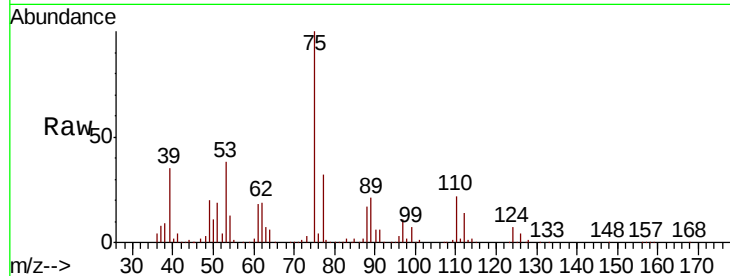




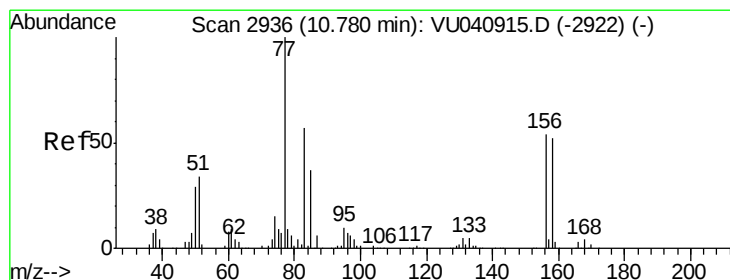
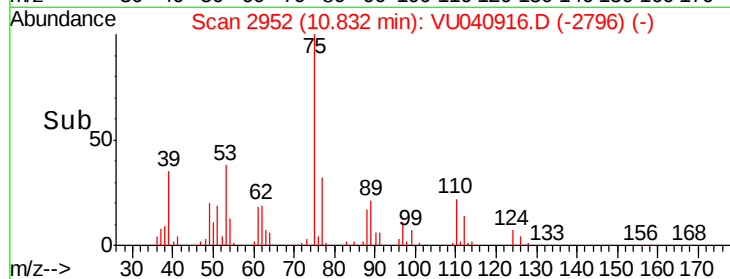
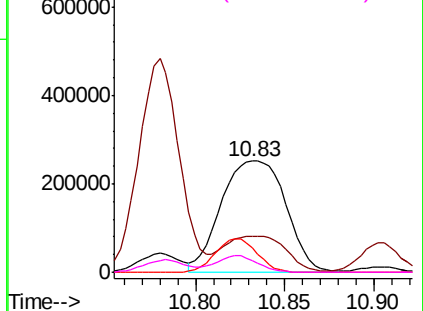
#71
 1,2,3-Trichloropropane
 Concen: 40.484 ug/l
 RT: 10.83 min Scan# 2952
 Delta R.T. 0.00 min
 Lab File: VU040916.D
 Acq: 22 Oct 2020 20:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion:	75	Resp:	637094
Ion	Ratio	Lower	Upper
75	100		
77	30.3	0.0	110.8
110	19.4	0.0	73.4
97	9.6	0.0	36.0

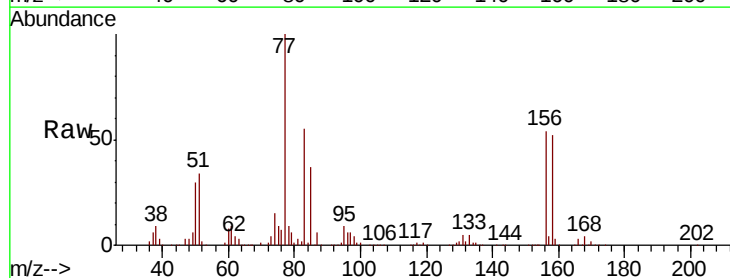


Abundance Ion 75.00 (74.70 to 75.70): VU040916.D (-2941) (-)
 Ion 77.00 (76.70 to 77.70): VU040916.D (-2941) (-)
 Ion 110.00 (109.70 to 110.70): VU040916.D (-2941) (-)
 Ion 97.00 (96.70 to 97.70): VU040916.D (-2941) (-)

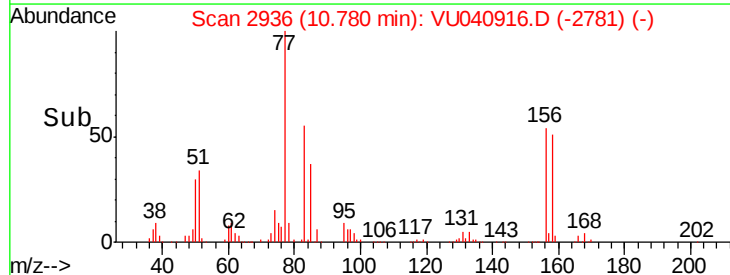
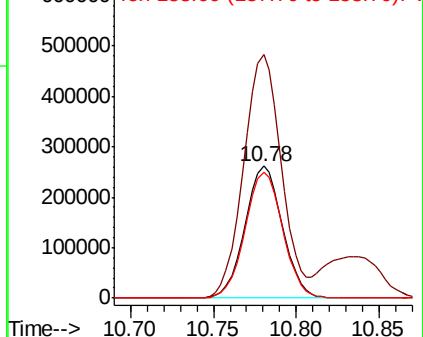


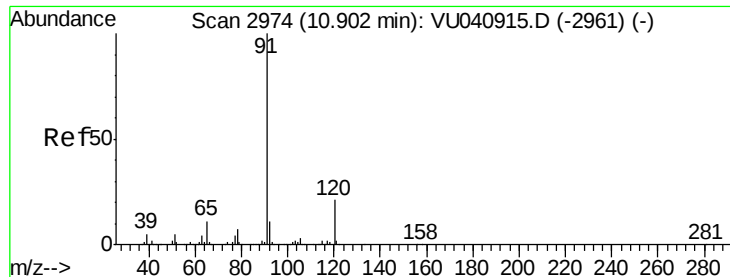
#72
 Bromobenzene
 Concen: 21.828 ug/l
 RT: 10.78 min Scan# 2936
 Delta R.T. -0.00 min
 Lab File: VU040916.D
 Acq: 22 Oct 2020 20:59

Tgt Ion:	156	Resp:	410564
Ion	Ratio	Lower	Upper
156	100		
77	187.3	0.0	370.2
158	96.3	0.0	193.2



Abundance Ion 156.00 (155.70 to 156.70): VU040916.D (-2781) (-)
 Ion 77.00 (76.70 to 77.70): VU040916.D (-2781) (-)
 Ion 158.00 (157.70 to 158.70): VU040916.D (-2781) (-)





#73

n-propylbenzene

Concen: 22.928 ug/l

RT: 10.91 min Scan# 2975

Delta R.T. 0.00 min

Lab File: VU040916.D

Acq: 22 Oct 2020 20:59

Instrument :

MSVOA_U

ClientSampleId :

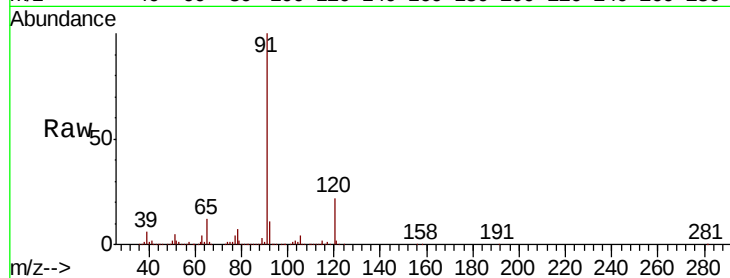
VSTDIC020

Tot Ion:120 Resp: 505621

Ion Ratio Lower Upper

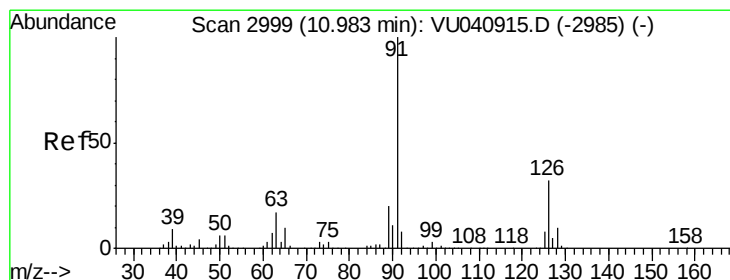
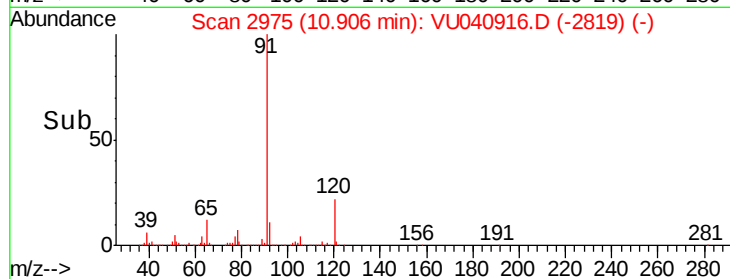
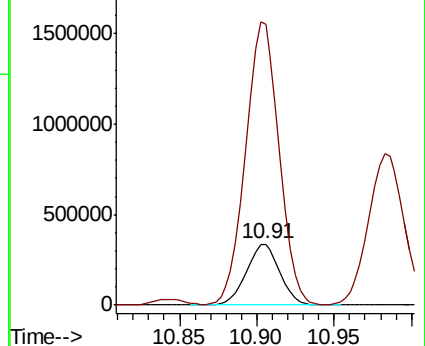
120 100

91 467.4 370.8 556.2



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 21.635 ug/l

RT: 10.99 min Scan# 3000

Delta R.T. 0.00 min

Lab File: VU040916.D

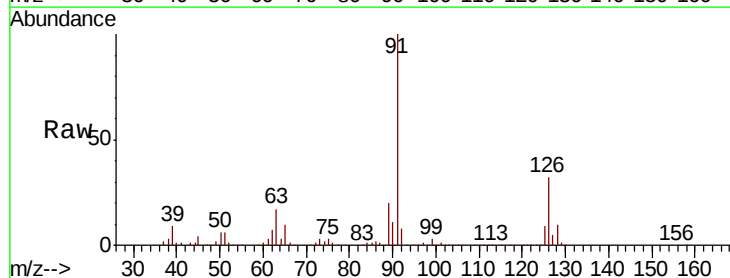
Acq: 22 Oct 2020 20:59

Tgt Ion:126 Resp: 416372

Ion Ratio Lower Upper

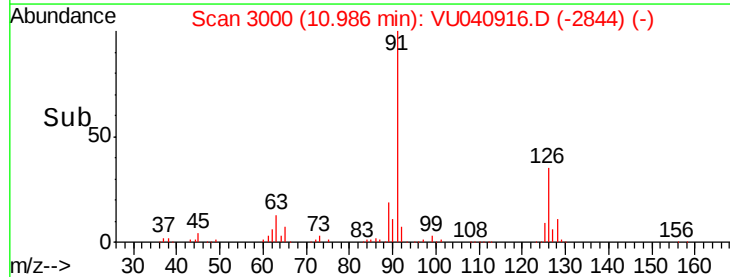
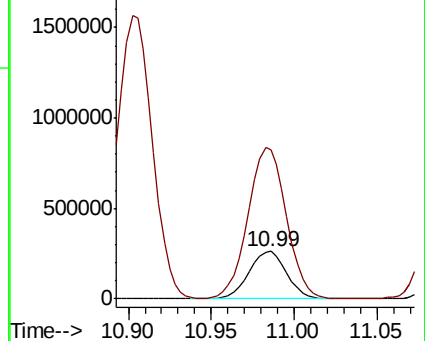
126 100

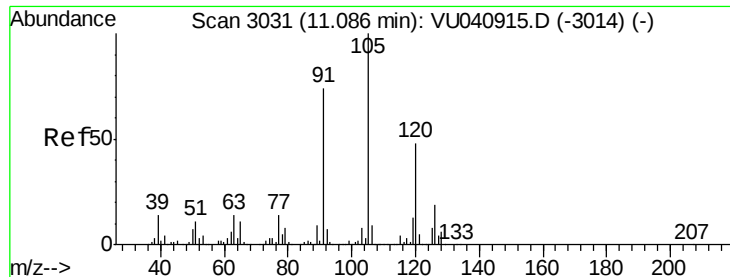
91 322.9 0.0 633.2



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#75

1,3,5-Trimethylbenzene

Concen: 22.843 ug/l

RT: 11.09 min Scan# 3031

Delta R.T. -0.00 min

Lab File: VU040916.D

Acq: 22 Oct 2020 20:59

Instrument :

MSVOA_U

ClientSampleId :

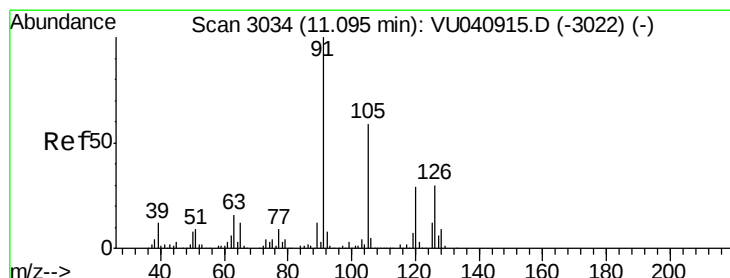
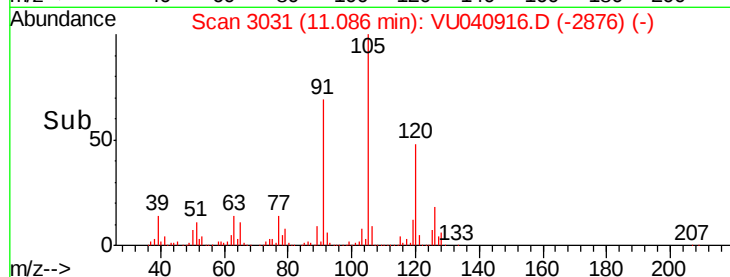
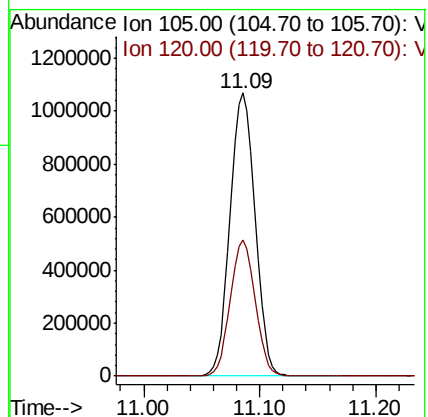
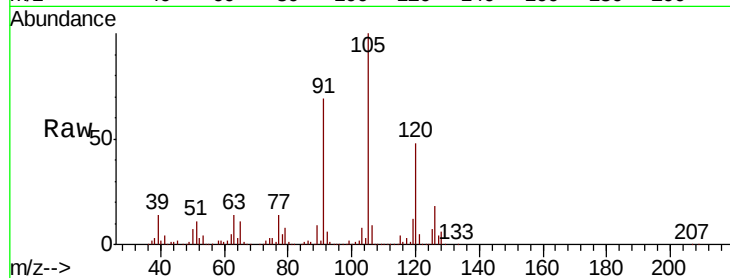
VSTDIC020

Tot Ion:105 Resp: 1590243

Ion Ratio Lower Upper

105 100

120 47.7 38.7 58.1



#76

4-Chlorotoluene

Concen: 21.582 ug/l

RT: 11.10 min Scan# 3034

Delta R.T. -0.00 min

Lab File: VU040916.D

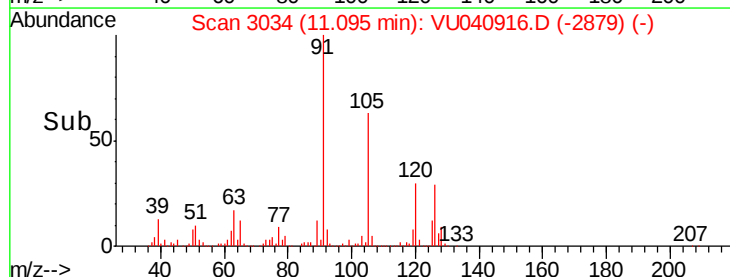
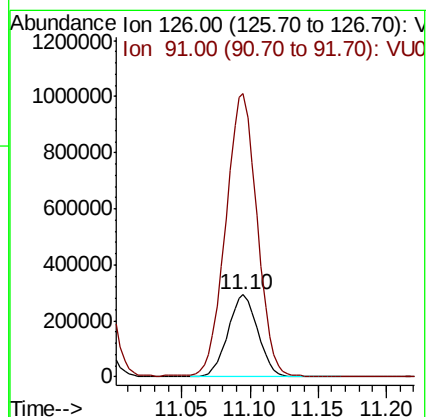
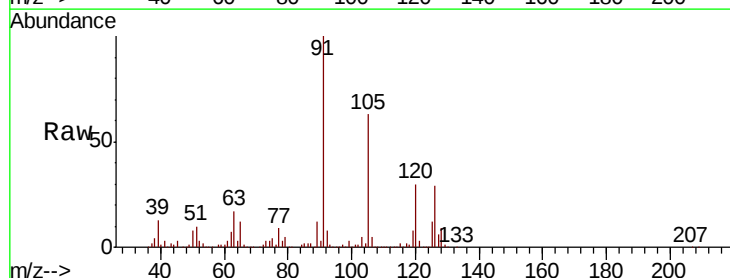
Acq: 22 Oct 2020 20:59

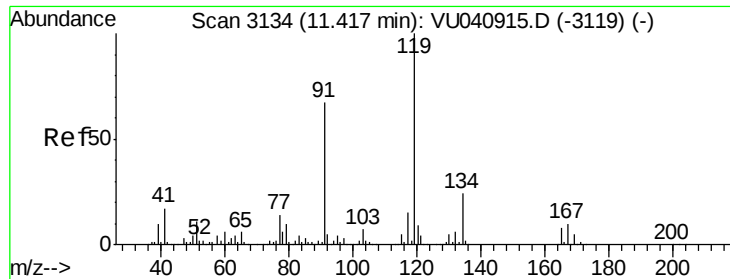
Tgt Ion:126 Resp: 447056

Ion Ratio Lower Upper

126 100

91 362.3 0.0 730.4





#77

tert-Butylbenzene

Concen: 23.126 ug/l

RT: 11.42 min Scan# 3134

Delta R.T. -0.00 min

Lab File: VU040916.D

Acq: 22 Oct 2020 20:59

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

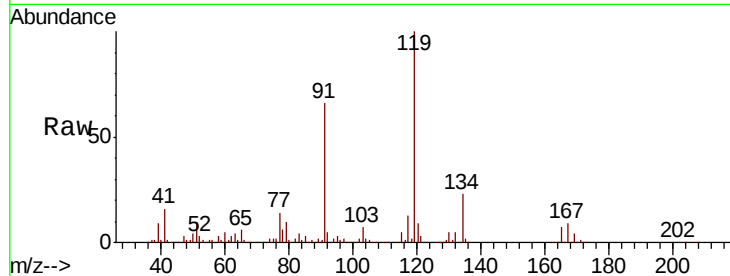
Tot Ion:119 Resp: 1499633

Ion Ratio Lower Upper

119 100

91 63.2 32.0 96.2

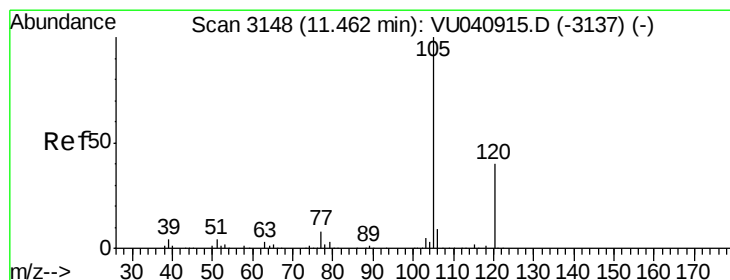
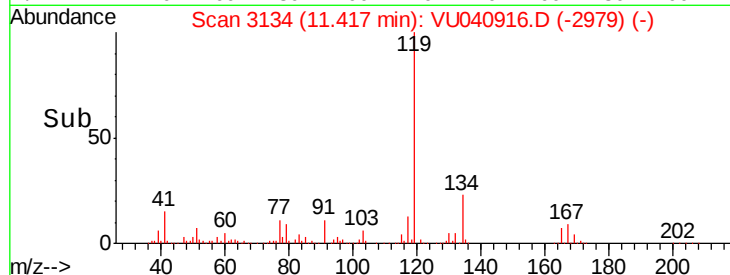
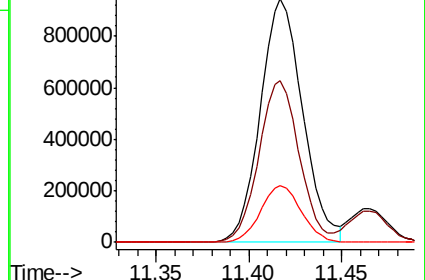
134 22.7 18.4 27.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#78

1,2,4-Trimethylbenzene

Concen: 22.539 ug/l

RT: 11.46 min Scan# 3149

Delta R.T. 0.00 min

Lab File: VU040916.D

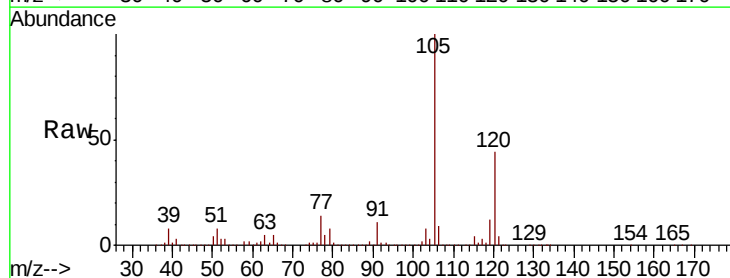
Acq: 22 Oct 2020 20:59

Tgt Ion:105 Resp: 1649684

Ion Ratio Lower Upper

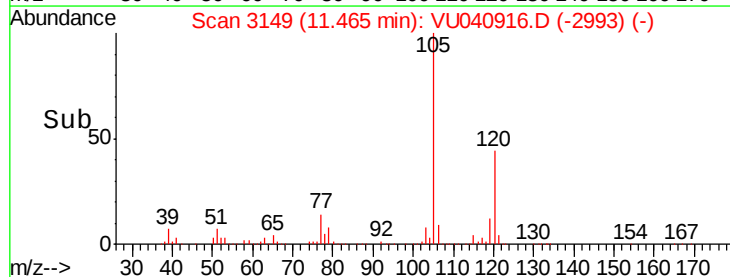
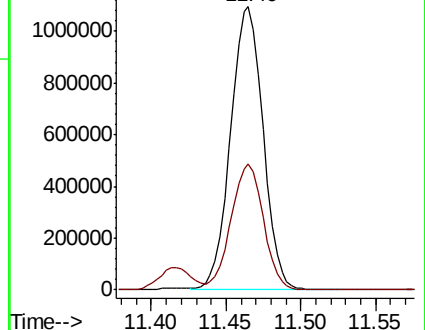
105 100

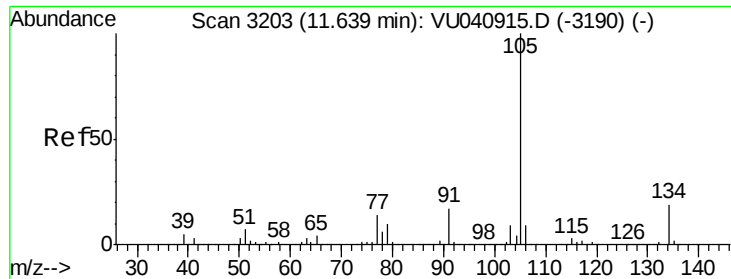
120 44.5 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

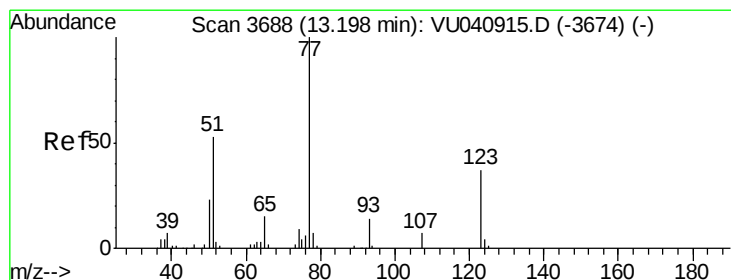
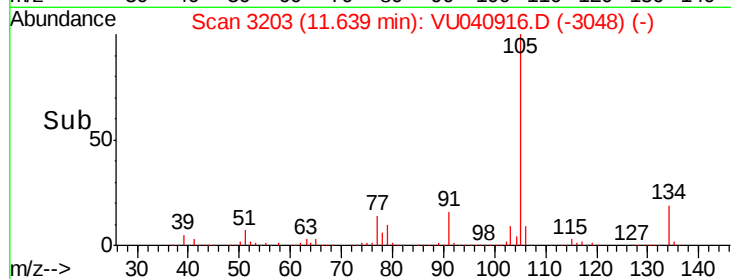
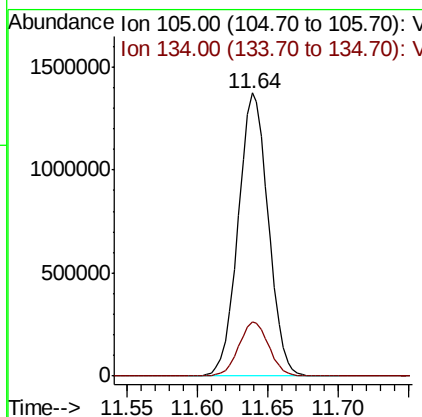
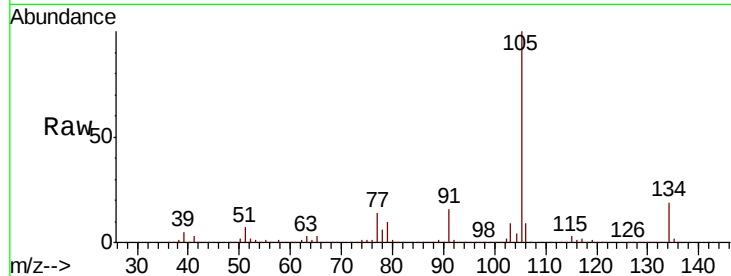




#79
 sec-Butylbenzene
 Concen: 21.993 ug/l
 RT: 11.64 min Scan# 3203
 Delta R.T. -0.00 min
 Lab File: VU040916.D
 Acq: 22 Oct 2020 20:59

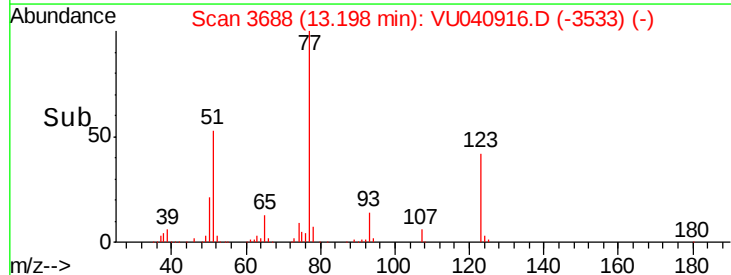
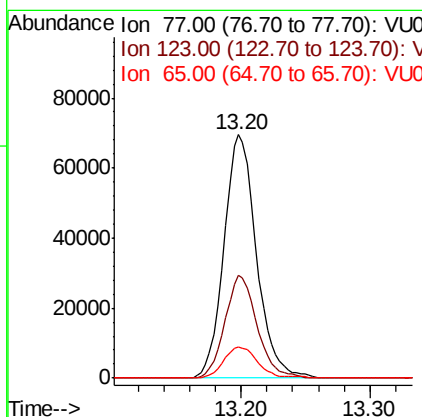
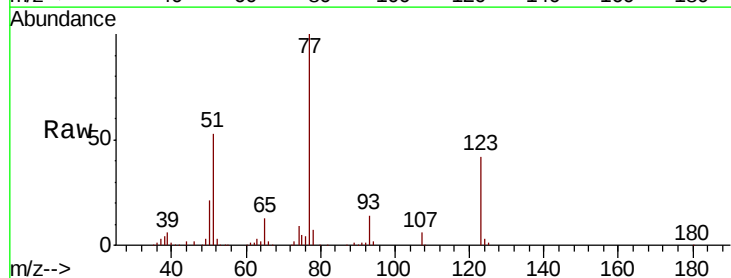
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

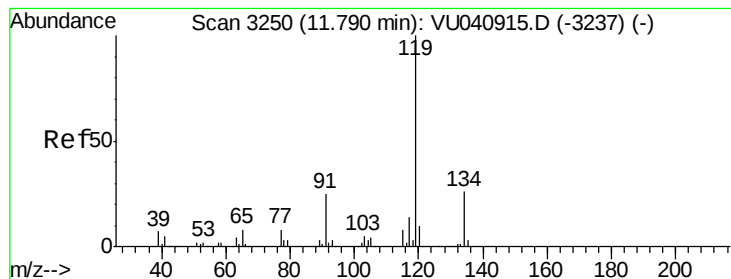
Tot Ion: 105 Resp: 2054036
 Ion Ratio Lower Upper
 105 100
 134 19.1 15.4 23.0



#80
 Nitrobenzene
 Concen: 141.712 ug/l
 RT: 13.20 min Scan# 3688
 Delta R.T. -0.00 min
 Lab File: VU040916.D
 Acq: 22 Oct 2020 20:59

Tgt Ion: 77 Resp: 120233
 Ion Ratio Lower Upper
 77 100
 123 42.0 16.8 59.4
 65 13.3 11.0 14.0





#81

p-Isopropyltoluene

Concen: 23.348 ug/l

RT: 11.79 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VU040916.D

Acq: 22 Oct 2020 20:59

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

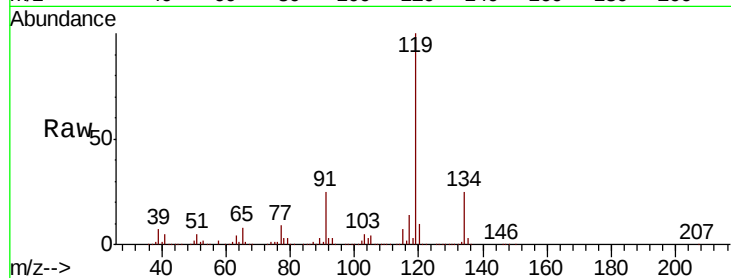
Tot Ion:119 Resp: 1749894

Ion Ratio Lower Upper

119 100

134 25.1 20.4 30.6

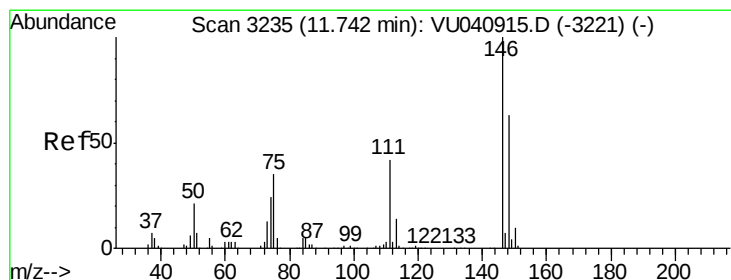
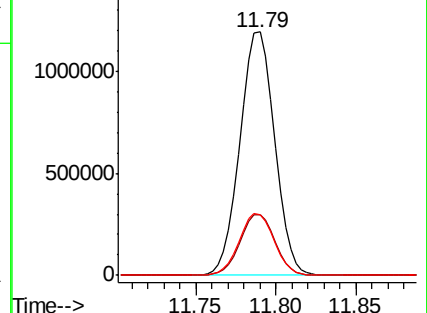
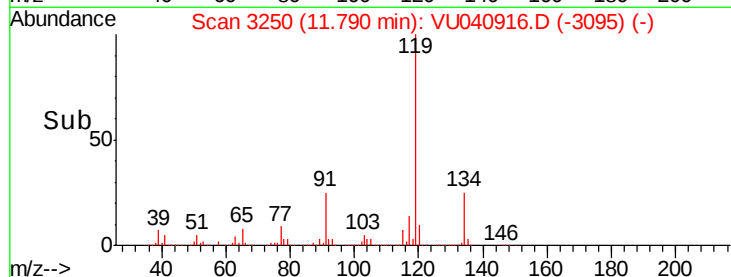
91 25.6 20.4 30.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU



#82

1,3-Dichlorobenzene

Concen: 20.672 ug/l

RT: 11.74 min Scan# 3235

Delta R.T. -0.00 min

Lab File: VU040916.D

Acq: 22 Oct 2020 20:59

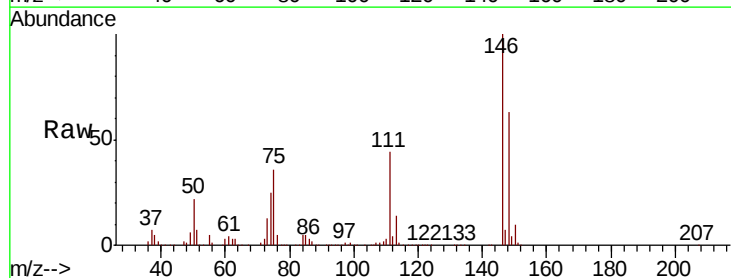
Tgt Ion:146 Resp: 850664

Ion Ratio Lower Upper

146 100

111 44.0 33.6 50.4

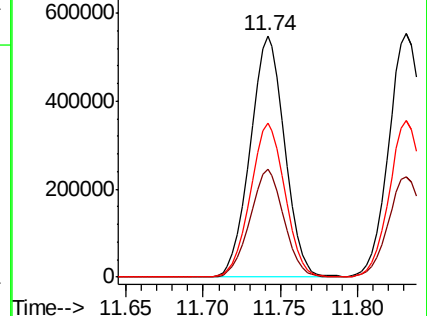
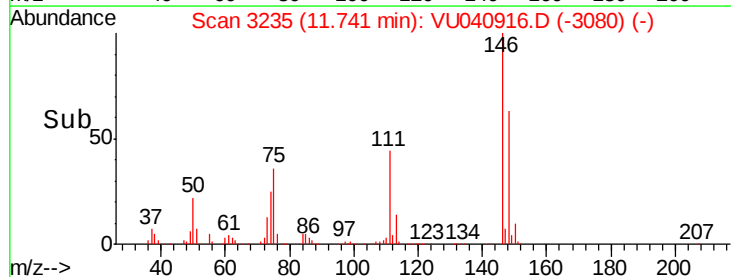
148 63.9 50.1 75.1

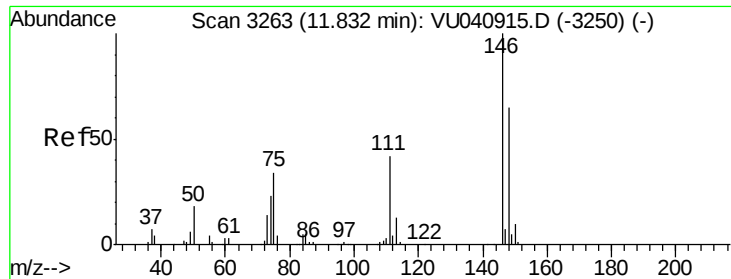


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

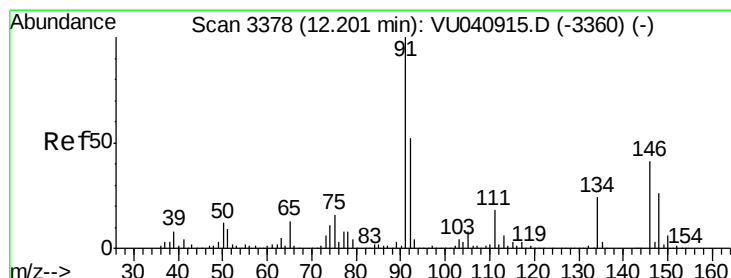
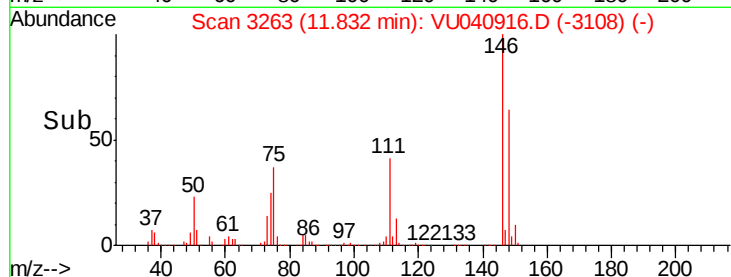
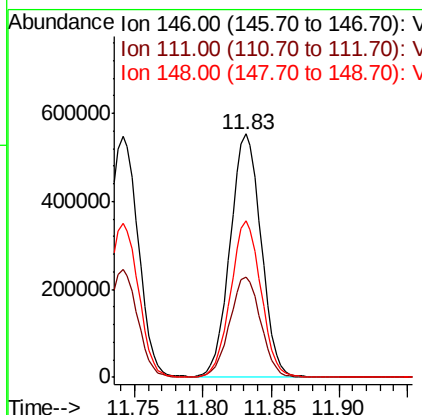
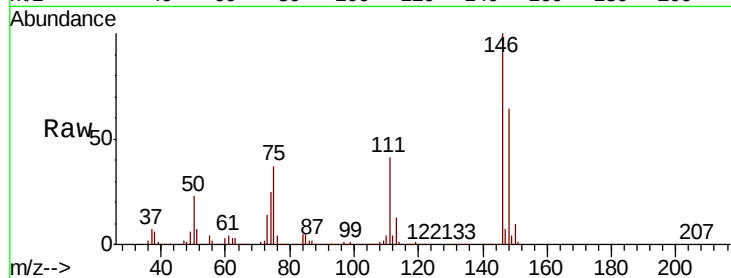




#83
 1,4-Dichlorobenzene
 Concen: 21.269 ug/l
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU040916.D
 Acq: 22 Oct 2020 20:59

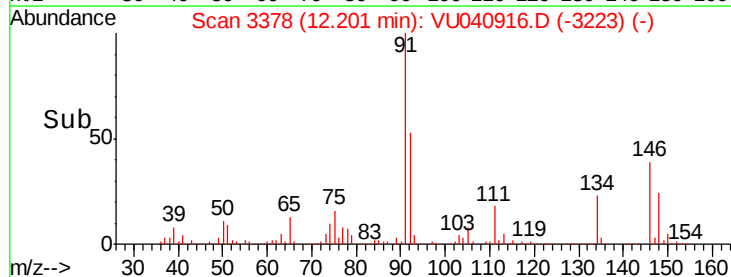
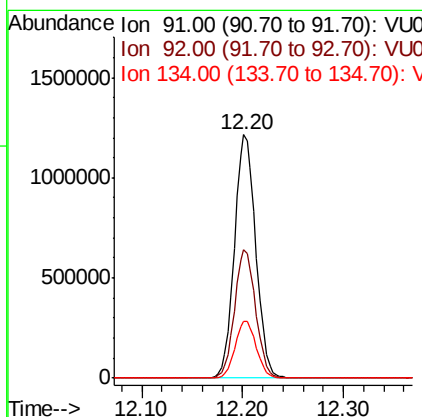
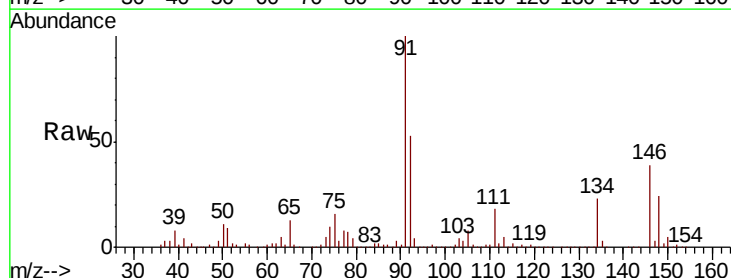
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

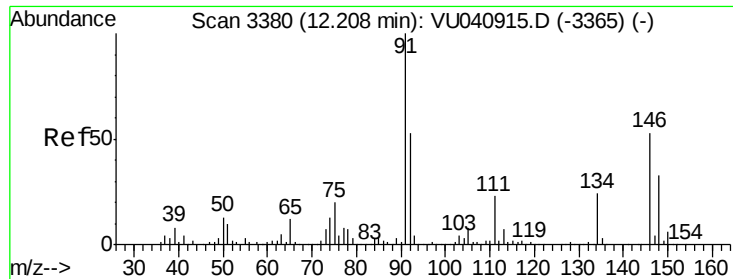
Tot Ion:146 Resp: 867887
 Ion Ratio Lower Upper
 146 100
 111 41.3 33.7 50.5
 148 63.0 50.6 75.8



#84
 n-Butylbenzene
 Concen: 23.434 ug/l
 RT: 12.20 min Scan# 3378
 Delta R.T. -0.00 min
 Lab File: VU040916.D
 Acq: 22 Oct 2020 20:59

Tgt Ion: 91 Resp: 1790836
 Ion Ratio Lower Upper
 91 100
 92 52.0 41.7 62.5
 134 23.3 18.6 28.0

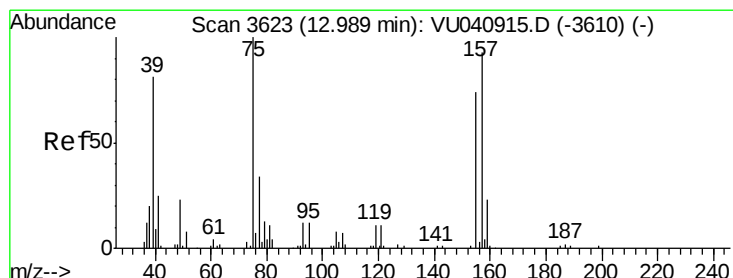
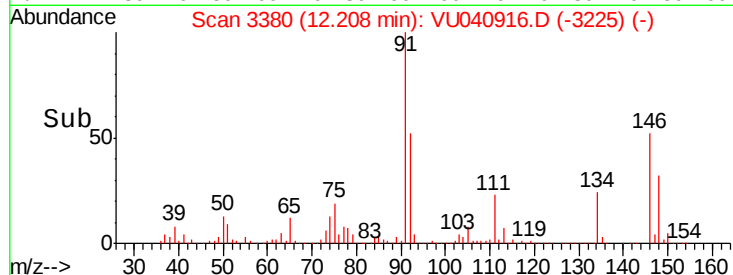
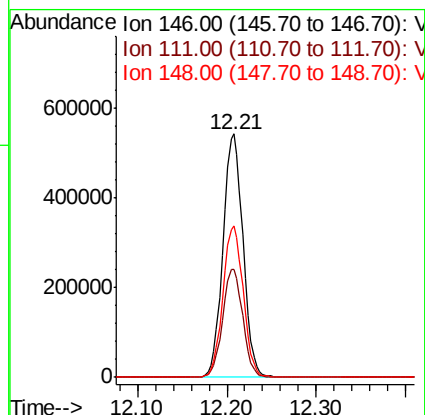
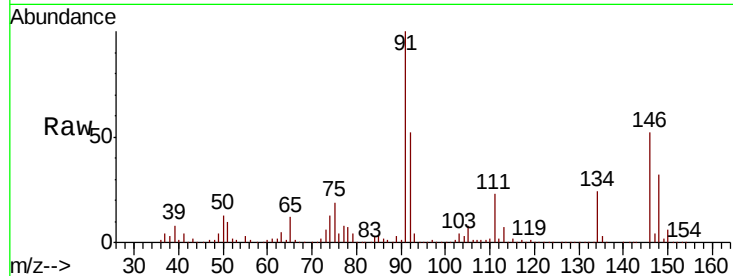




#85
 1,2-Dichlorobenzene
 Concen: 21.399 ug/l
 RT: 12.21 min Scan# 3380
 Delta R.T. -0.00 min
 Lab File: VU040916.D
 Acq: 22 Oct 2020 20:59

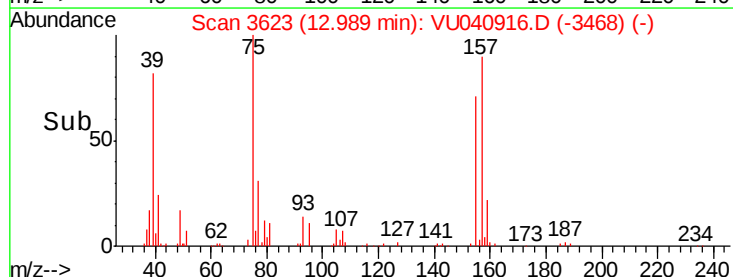
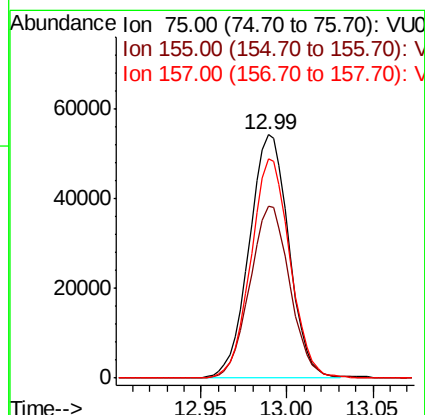
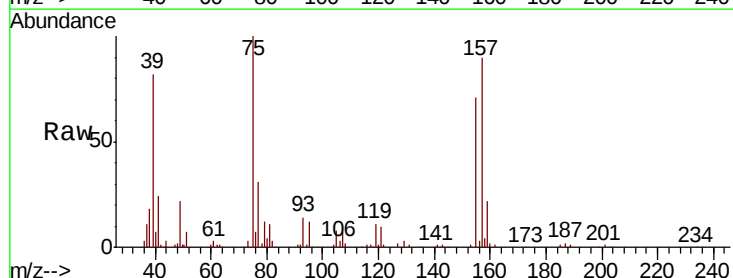
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

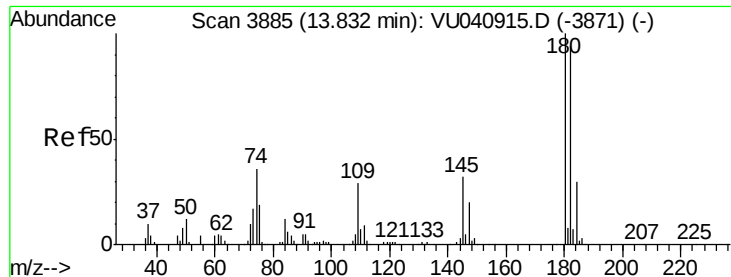
Tot Ion:146 Resp: 845667
 Ion Ratio Lower Upper
 146 100
 111 44.7 22.3 66.9
 148 62.9 31.5 94.5



#86
 1,2-Dibromo-3-Chloropropane
 Concen: 23.172 ug/l
 RT: 12.99 min Scan# 3623
 Delta R.T. -0.00 min
 Lab File: VU040916.D
 Acq: 22 Oct 2020 20:59

Tgt Ion: 75 Resp: 87010
 Ion Ratio Lower Upper
 75 100
 155 71.1 57.1 85.7
 157 88.9 72.4 108.6

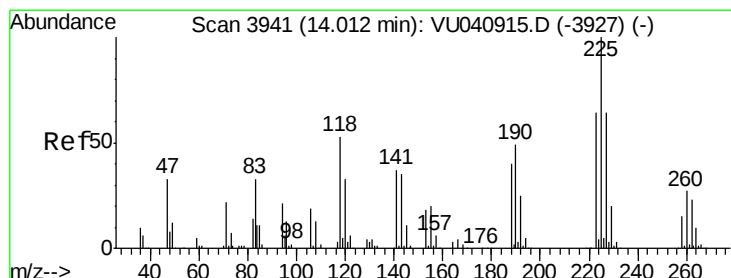
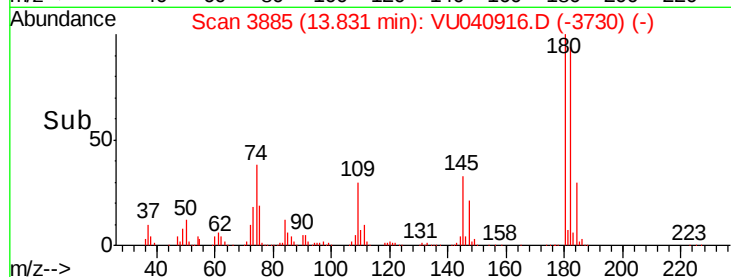
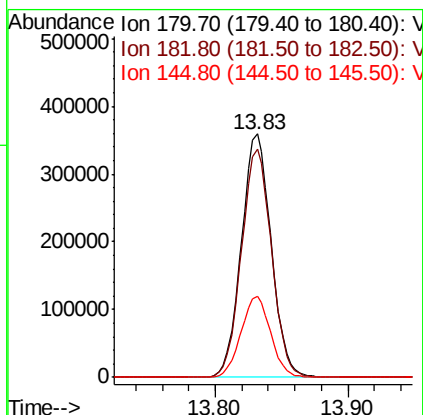
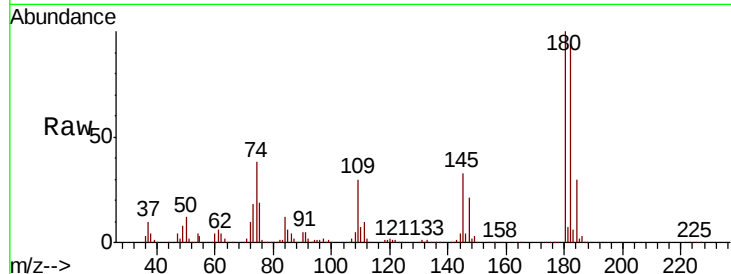




#87
 1,2,4-Trichlorobenzene
 Concen: 24.556 ug/l
 RT: 13.83 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VU040916.D
 Acq: 22 Oct 2020 20:59

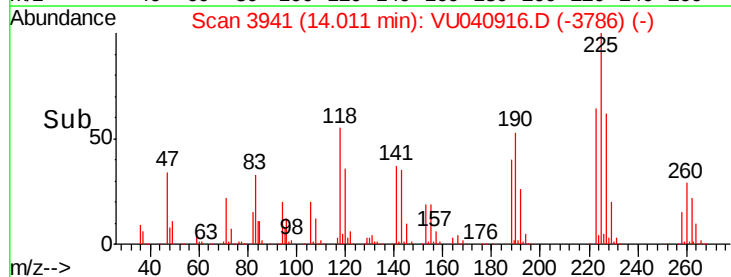
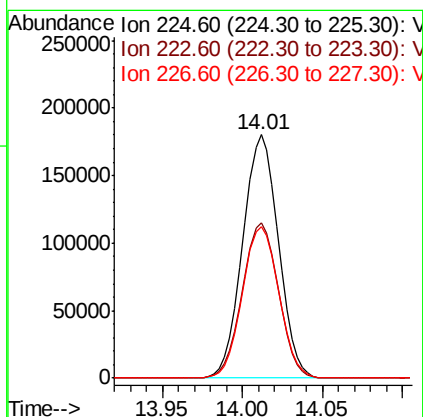
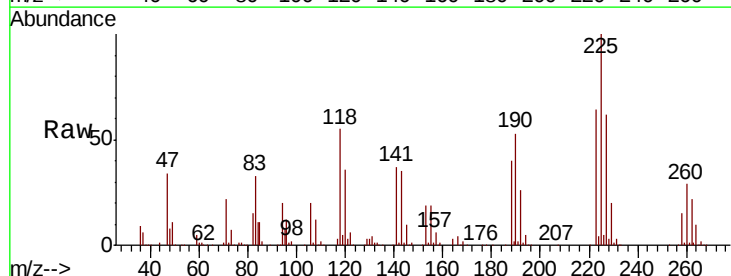
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

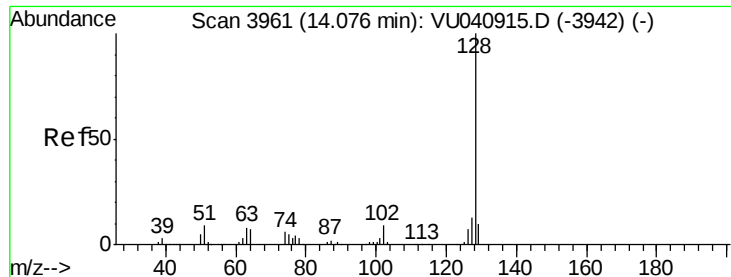
Tot Ion:180 Resp: 560611
 Ion Ratio Lower Upper
 180 100
 182 94.6 75.4 113.2
 145 33.0 25.4 38.0



#88
 Hexachlorobutadiene
 Concen: 22.939 ug/l
 RT: 14.01 min Scan# 3941
 Delta R.T. -0.00 min
 Lab File: VU040916.D
 Acq: 22 Oct 2020 20:59

Tgt Ion:225 Resp: 273727
 Ion Ratio Lower Upper
 225 100
 223 64.8 49.9 74.9
 227 63.6 51.1 76.7





#89

Naphthalene

Concen: 28.958 ug/l

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU040916.D

Acq: 22 Oct 2020 20:59

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

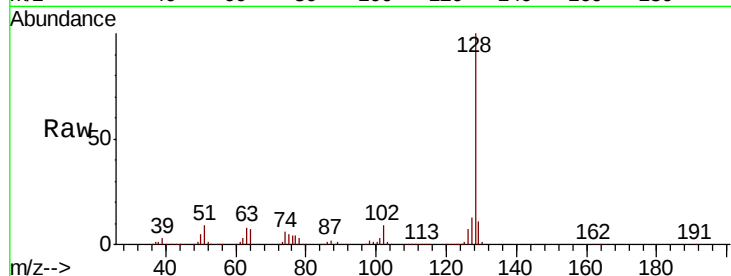
Tot Ion:128 Resp: 1289612

Ion Ratio Lower Upper

128 100

127 13.3 10.7 16.1

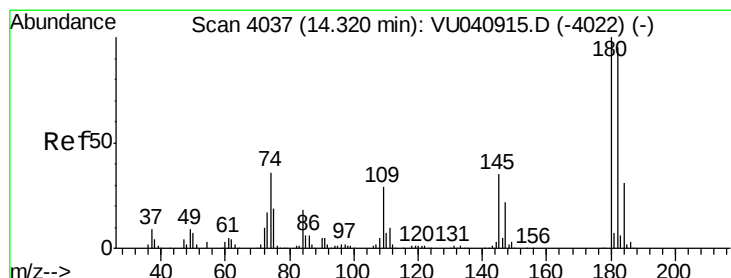
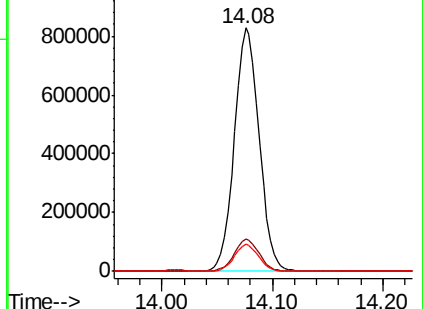
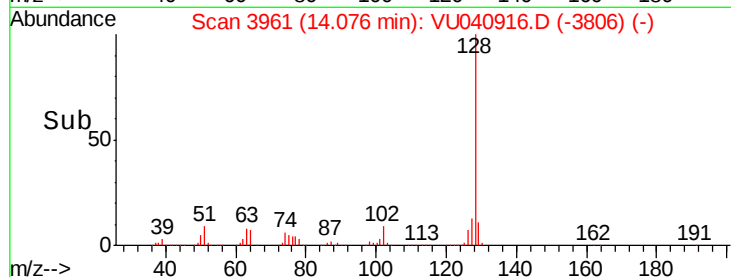
129 10.9 8.6 13.0



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



#90

1,2,3-Trichlorobenzene

Concen: 25.018 ug/l

RT: 14.32 min Scan# 4037

Delta R.T. -0.00 min

Lab File: VU040916.D

Acq: 22 Oct 2020 20:59

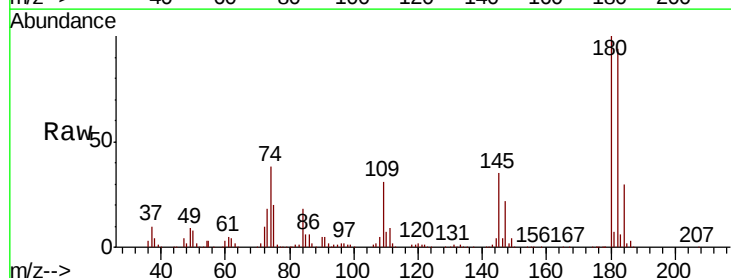
Tgt Ion:180 Resp: 541540

Ion Ratio Lower Upper

180 100

182 95.7 76.0 114.0

145 34.8 28.0 42.0



Abundance Ion 179.70 (179.40 to 180.40): V

Ion 181.70 (181.40 to 182.40): V

Ion 144.80 (144.50 to 145.50): V

