

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U012220\
 Data File : VU036526.D
 Acq On : 22 Jan 2020 15:19
 Operator : JC/MD
 Sample : VSTDIC002
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Manual Integrations
 APPROVED

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 1/23/2020 3:21:29 PM

Quant Time: Jan 22 22:22:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U012220DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Jan 22 22:08:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	6.15	96	34952	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.66	95	13575	0.98	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.00%	
68) 1,2-Dichlorobenzene-d4	12.21	152	13538	1.12	ug/l	0.00
Spiked Amount 1.000			Recovery	=	112.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.39	85	22031	2.203	ug/l	99
3) Chloromethane	1.54	50	24131	1.865	ug/l	97
4) Vinyl Chloride	1.62	62	26814	1.805	ug/l	98
5) Bromomethane	1.88	94	17183	2.178	ug/l	99
6) Chloroethane	1.95	64	16409	1.892	ug/l	99
7) Trichlorofluoromethane	2.16	101	26449	1.533	ug/l	100
8) 1,1,2-Trichloro-1,2,2-trif	2.61	101	16587	1.837	ug/l	99
9) 1,1-Dichloroethene	2.61	96	17439	1.893	ug/l	99
10) Iodomethane	2.75	142	16668	1.511	ug/l	100
11) Allyl Chloride	2.95	41	23963	1.327	ug/l	96
12) Acrylonitrile	3.37	53	8225	3.182	ug/l	96
13) Acetone	2.68	43	16188	5.223	ug/l	98
14) Carbon Disulfide	2.82	76	59648	1.734	ug/l	99
15) Methylene Chloride	3.08	84	23480	1.935	ug/l	96
16) trans-1,2-Dichloroethene	3.38	96	19415	1.884	ug/l	100
17) 1,1-Dichloroethane	3.91	63	32023	1.739	ug/l	99
18) 2-Butanone	4.78	43	23456	7.028	ug/l	97
19) Cyclohexane	5.42	56	28672m	1.602	ug/l	
20) Methylcyclohexane	6.79	83	31738	1.788	ug/l	99
21) 2,2-Dichloropropane	4.71	77	26062	1.565	ug/l	99
22) cis-1,2-Dichloroethene	4.71	96	20384	1.953	ug/l	97
23) Diethyl Ether	2.41	59	13555	1.688	ug/l	99
24) tert-Butyl Alcohol	3.29	59	11828	14.232	ug/l #	93
25) Methyl tert-Butyl Ether	3.42	73	46730	1.658	ug/l	99
26) Bromochloromethane	5.02	128	8910	2.130	ug/l	97
27) Chloroform	5.13	83	31016	1.692	ug/l	95
28) 1,1,1-Trichloroethane	5.36	97	26094	1.608	ug/l	99
29) 1,1-Dichloropropene	5.56	75	25143	1.695	ug/l	99
30) Carbon Tetrachloride	5.56	117	22208	1.627	ug/l	94
31) Isopropyl Ether	4.06	45	47436	1.531	ug/l	97
32) Ethyl-t-butyl ether	4.57	59	49882	1.646	ug/l	100
33) Tert-Amyl methyl ether	5.99	73	45384	1.648	ug/l	100
34) Propionitrile	4.85	54	7512	9.022	ug/l #	94
35) Benzene	5.81	78	73888	1.782	ug/l	100
36) 1,2-Dichloroethane	5.84	62	19634	1.478	ug/l	98
37) Trichloroethene	6.58	130	20666	2.052	ug/l	98
38) 1,2-Dichloropropane	6.83	63	18893	1.735	ug/l	95
39) Methacrylonitrile	5.03	41	5559	1.409	ug/l	97
40) Methyl acrylate	4.91	55	9226	1.576	ug/l	98
41) Tetrahydrofuran	5.13	42	6088	2.976	ug/l	99
42) 1-Chlorobutane	5.50	56	32243	1.501	ug/l	99

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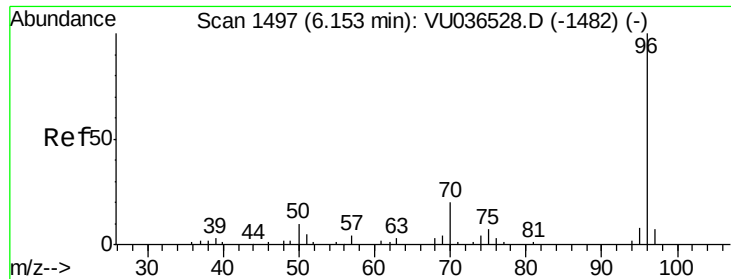
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Quant Time: Jan 22 22:22:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U012220DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Jan 22 22:08:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.96	93	9544	1.706	ug/l	96
44) Bromodichloromethane	7.14	83	22973	1.596	ug/l	97
45) 4-Methyl-2-Pentanone	7.84	43	54313	7.021	ug/l	99
46) t-1,4-Dichloro-2-butene	10.86	75	9494m	3.024	ug/l	
47) Methyl methacrylate	7.01	69	19118	3.584	ug/l	97
48) Ethyl methacrylate	8.37	69	18523	1.757	ug/l	100
49) Toluene	8.00	92	46147	1.794	ug/l	97
50) t-1,3-Dichloropropene	8.24	75	21948	1.553	ug/l	98
51) cis-1,3-Dichloropropene	7.64	75	27188	1.665	ug/l	99
52) 1,1,2-Trichloroethane	8.43	97	13841	1.866	ug/l	95
53) 1,3-Dichloropropane	8.61	76	23646	1.708	ug/l	96
54) 2-Hexanone	8.73	43	38311	7.194	ug/l	100
55) Dibromochloromethane	8.84	129	15704	1.808	ug/l	98
56) 1,2-Dibromoethane	8.95	107	13591	1.864	ug/l	95
58) Tetrachloroethene	8.58	164	23284	2.799	ug/l	98
59) Chlorobenzene	9.47	112	52208	1.923	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.56	131	16633	1.809	ug/l	98
61) Pentachloroethane	11.45	117	8557	1.131	ug/l	91
62) Hexachloroethane	12.49	117	13695	1.724	ug/l	94
63) Ethyl Benzene	9.60	91	88258	1.788	ug/l	99
64) m/p-Xylenes	9.72	106	69983	3.833	ug/l	97
65) o-Xylene	10.12	106	33538	1.882	ug/l	97
66) Styrene	10.14	104	55038	1.872	ug/l	99
67) Bromoform	10.32	173	8821	2.051	ug/l	98
69) Isopropylbenzene	10.51	105	88095	1.839	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.81	83	17440	1.745	ug/l	98
71) 1,2,3-Trichloropropane	10.85	75	12882m	1.690	ug/l	
72) Bromobenzene	10.81	156	21261	2.097	ug/l	99
73) n-propylbenzene	10.93	120	25048	1.950	ug/l	96
74) 2-Chlorotoluene	11.01	126	21848	1.983	ug/l	99
75) 1,3,5-Trimethylbenzene	11.11	105	75432	1.856	ug/l	100
76) 4-Chlorotoluene	11.12	126	22278	1.964	ug/l	95
77) tert-Butylbenzene	11.44	119	70783	1.818	ug/l	98
78) 1,2,4-Trimethylbenzene	11.49	105	78725	1.870	ug/l	99
79) sec-Butylbenzene	11.66	105	101173	1.872	ug/l	100
80) Nitrobenzene	13.24	77	914	5.216	ug/l #	85
81) p-Isopropyltoluene	11.81	119	85084	1.974	ug/l	100
82) 1,3-Dichlorobenzene	11.77	146	43248	2.036	ug/l	99
83) 1,4-Dichlorobenzene	11.86	146	43580	2.071	ug/l	99
84) n-Butylbenzene	12.23	91	77574	1.710	ug/l	100
85) 1,2-Dichlorobenzene	12.23	146	40852	2.032	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	13.01	75	3025	1.666	ug/l	88
87) 1,2,4-Trichlorobenzene	13.86	180	25238	1.977	ug/l	98
88) Hexachlorobutadiene	14.04	225	14612	2.438	ug/l	100
89) Naphthalene	14.10	128	41226	1.628	ug/l	100
90) 1,2,3-Trichlorobenzene	14.35	180	24087	2.055	ug/l	99

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.15 min Scan# 1497

Delta R.T. -0.00 min

Lab File: VU036526.D

Acq: 22 Jan 2020 15:19

Instrument :

MSVOA_U

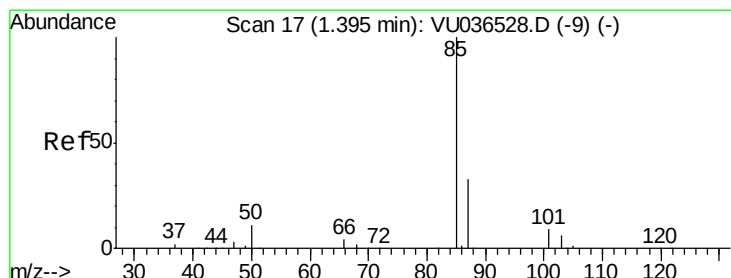
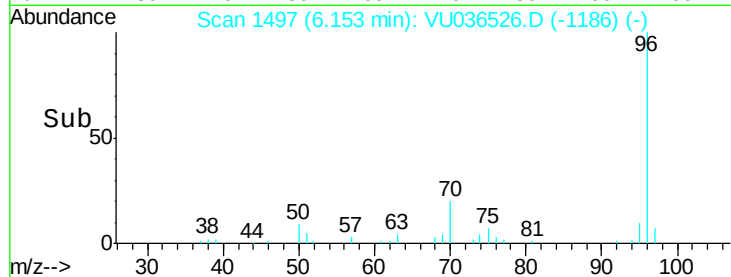
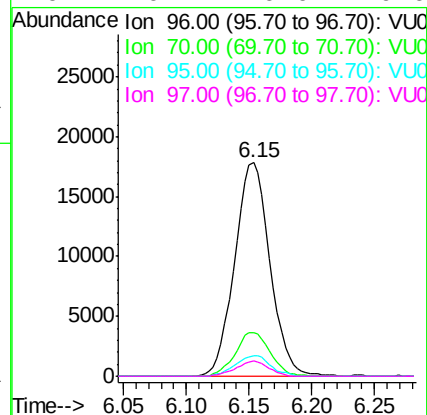
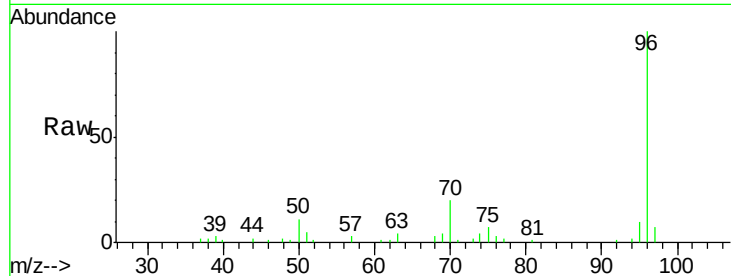
ClientSampleId :

VSTDIC002

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100		34952		
70	20.2	15.6	23.4		
95	9.6	7.0	10.6		
97	6.7	0.0	0.0		

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#2

Dichlorodifluoromethane

Concen: 2.203 ug/l

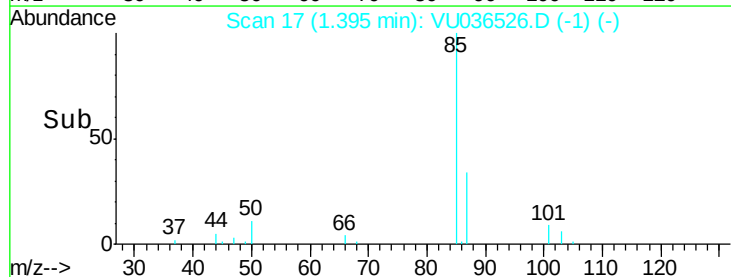
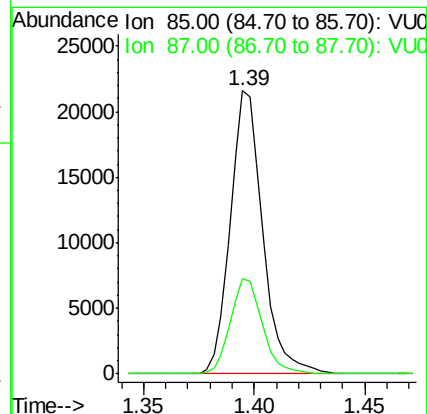
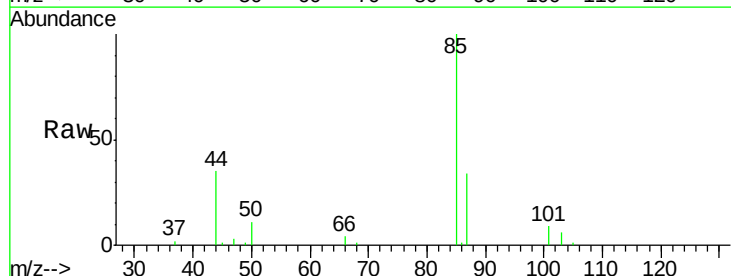
RT: 1.39 min Scan# 17

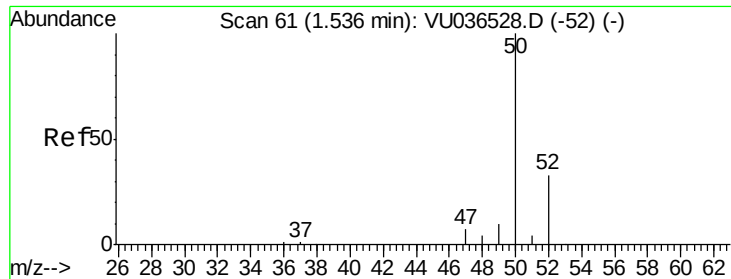
Delta R.T. -0.00 min

Lab File: VU036526.D

Acq: 22 Jan 2020 15:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
85	100		22031		
87	33.6	16.4	49.2		





#3

Chloromethane

Concen: 1.865 ug/l

RT: 1.54 min Scan# 62

Delta R.T. 0.00 min

Lab File: VU036526.D

Acq: 22 Jan 2020 15:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 50 Resp: 24131

Ion Ratio Lower Upper

50 100

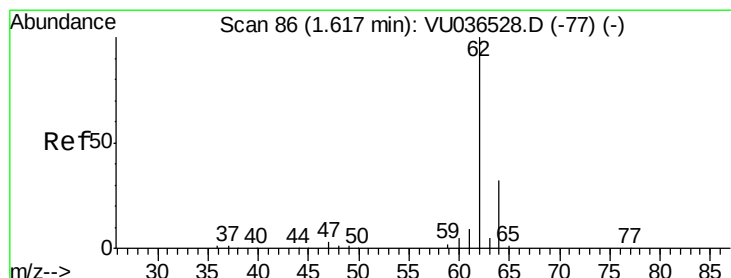
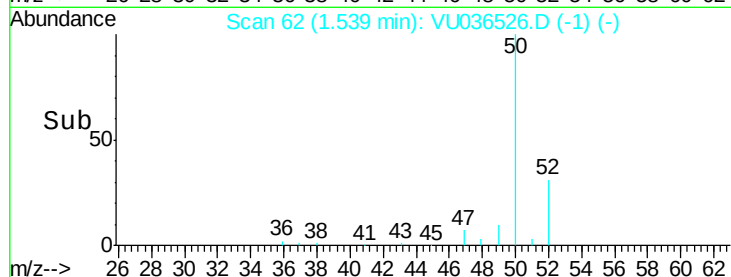
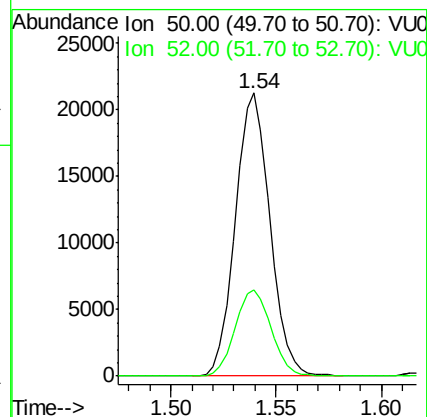
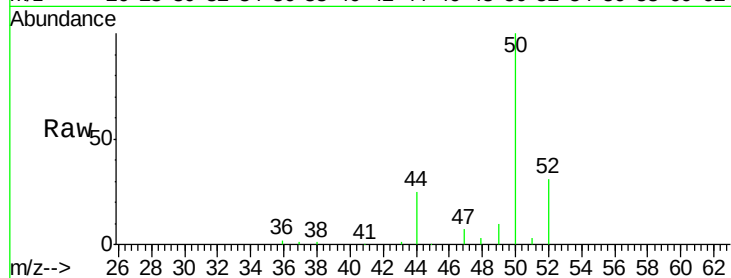
52 30.6 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 1.805 ug/l

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU036526.D

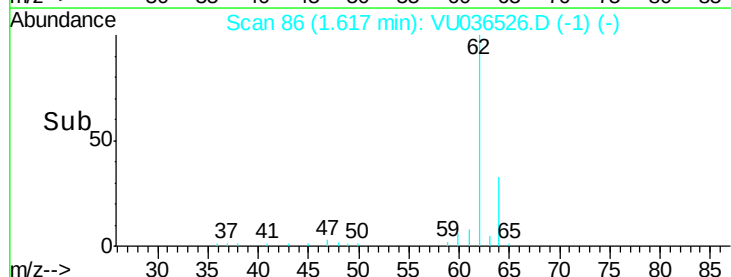
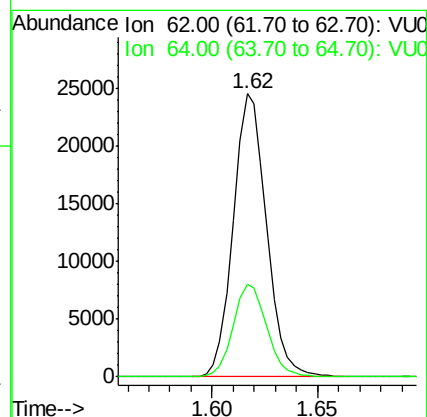
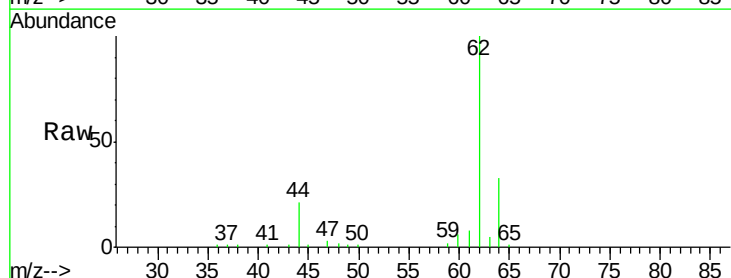
Acq: 22 Jan 2020 15:19

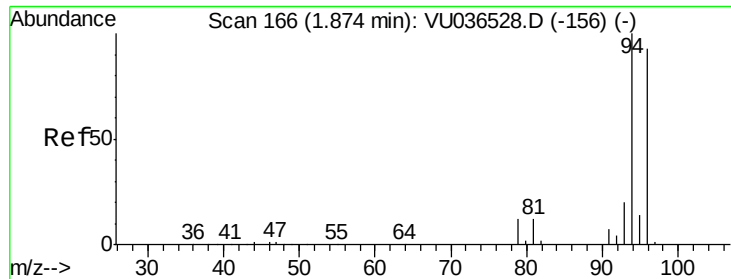
Tgt Ion: 62 Resp: 26814

Ion Ratio Lower Upper

62 100

64 32.7 25.4 38.2





#5

Bromomethane

Concen: 2.178 ug/l

RT: 1.88 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU036526.D

Acq: 22 Jan 2020 15:19

Instrument :

MSVOA_U

ClientSampled :

VSTDIC002

Tot Ion: 94 Resp: 17183

Ion Ratio Lower Upper

94 100

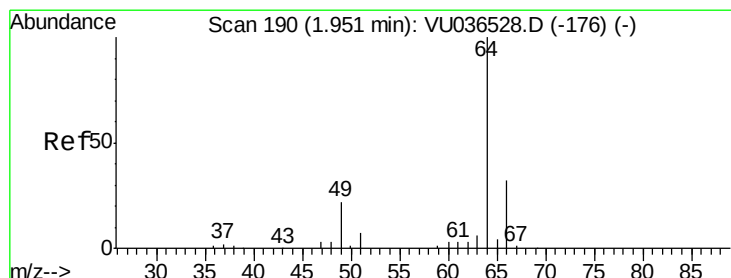
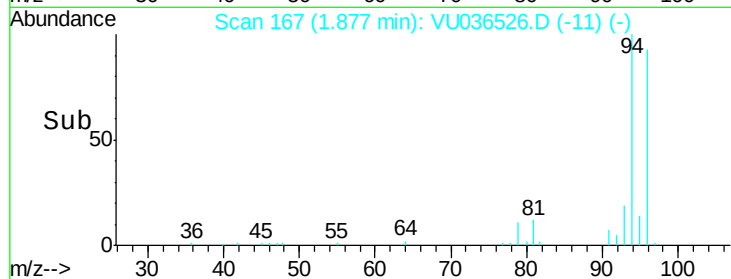
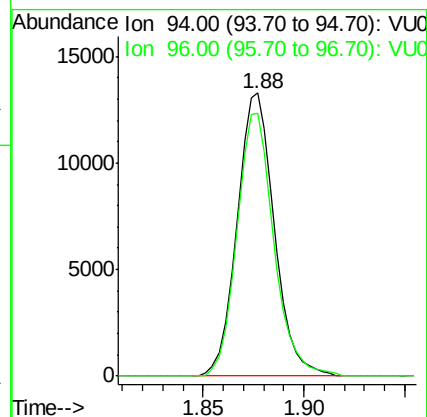
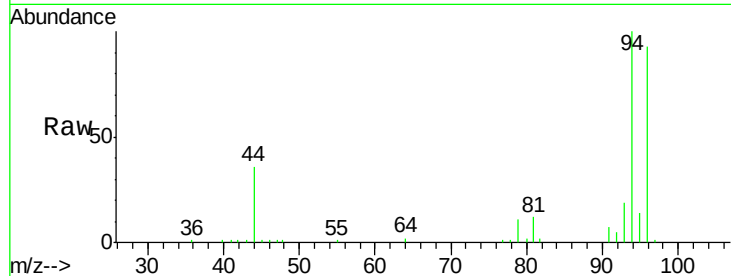
96 92.7 74.6 112.0

Manual Integrations

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#6

Chloroethane

Concen: 1.892 ug/l

RT: 1.95 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU036526.D

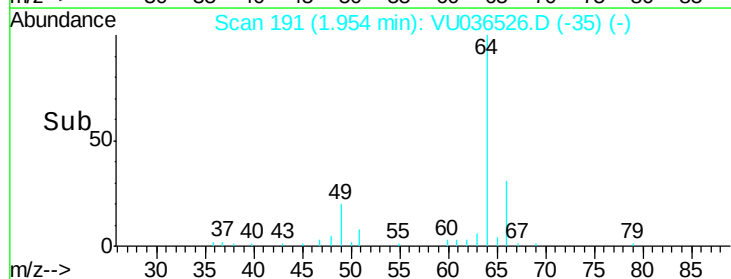
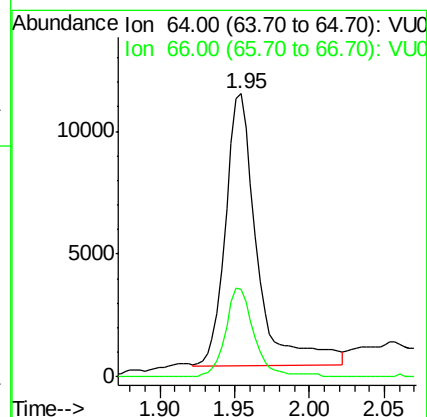
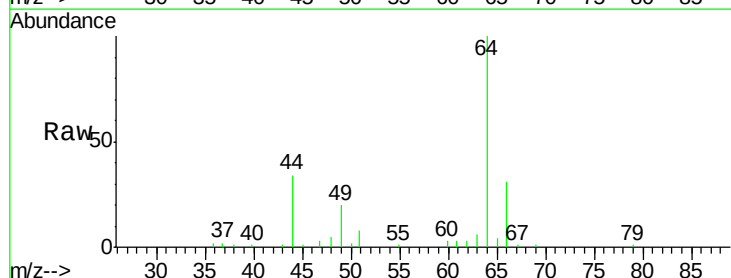
Acq: 22 Jan 2020 15:19

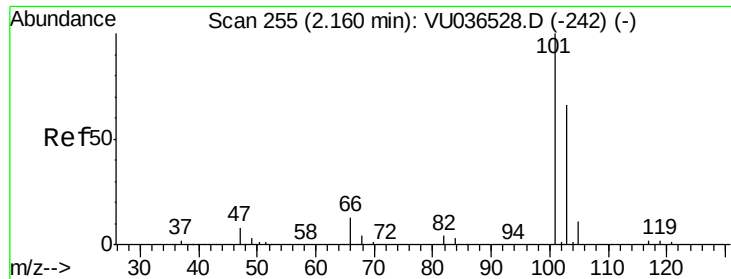
Tgt Ion: 64 Resp: 16409

Ion Ratio Lower Upper

64 100

66 32.5 25.5 38.3





#7

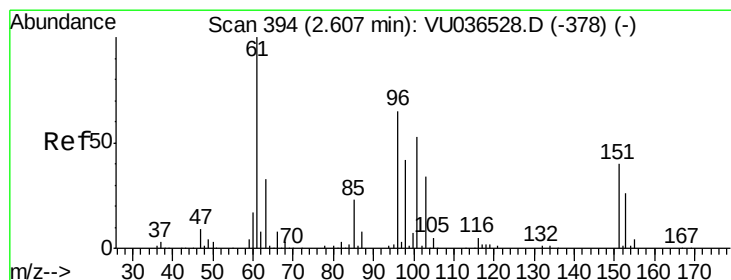
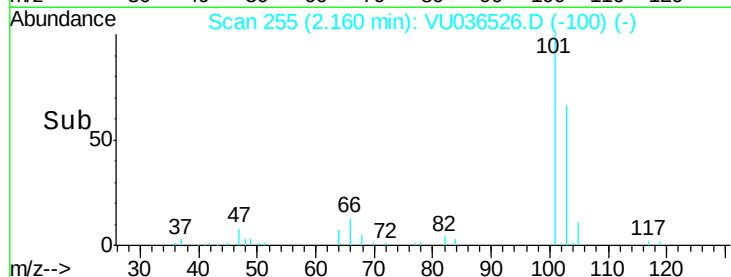
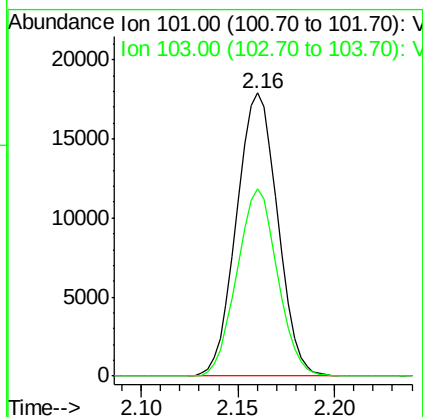
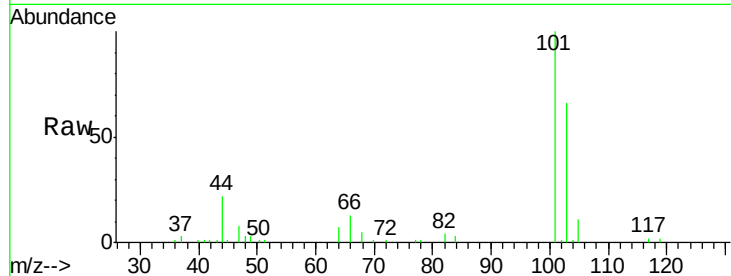
Trichlorofluoromethane
 Concen: 1.533 ug/l
 RT: 2.16 min Scan# 255
 Delta R.T. -0.00 min
 Lab File: VU036526.D
 Acq: 22 Jan 2020 15:19

Instrument :
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 VSTDIC002

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.0	53.0	79.6

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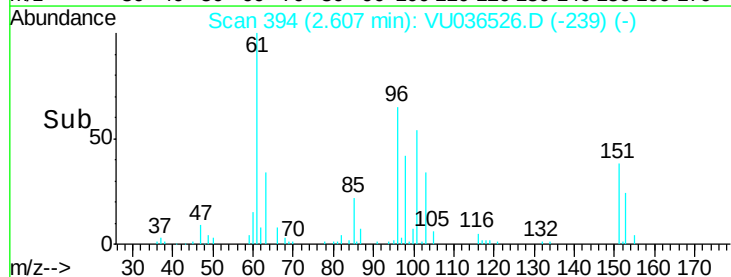
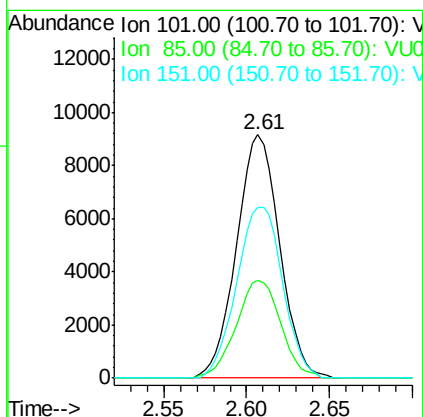
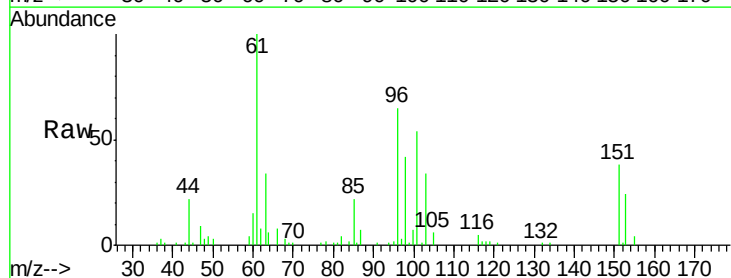
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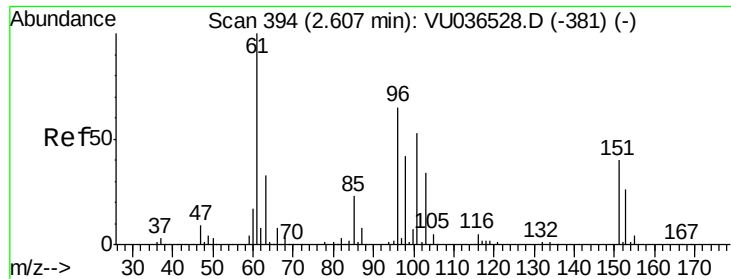


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 1.837 ug/l
 RT: 2.61 min Scan# 394
 Delta R.T. -0.00 min
 Lab File: VU036526.D
 Acq: 22 Jan 2020 15:19

Tgt Ion	Ratio	Lower	Upper
101	100		
85	41.5	33.9	50.9
151	74.9	59.8	89.8





#9

1,1-Dichloroethene

Concen: 1.893 ug/l

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU036526.D

Acq: 22 Jan 2020 15:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 96 Resp: 17439

Ion Ratio Lower Upper

96 100

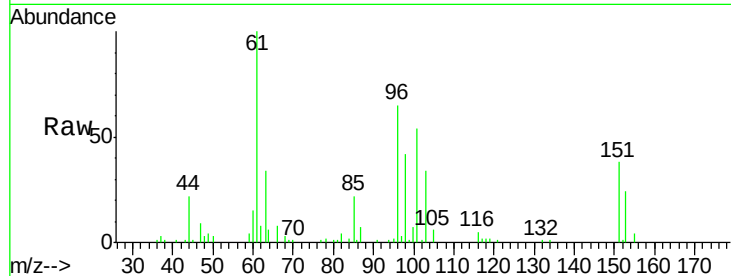
61 153.6 0.0 463.2

98 64.0 0.0 130.0

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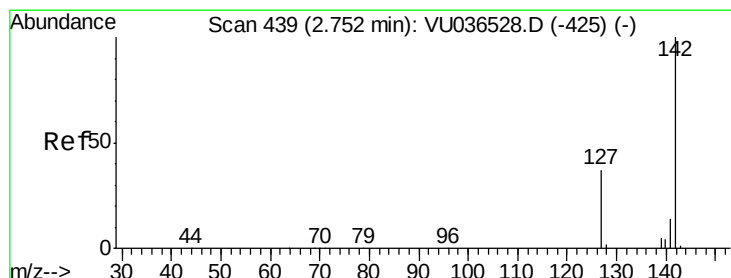
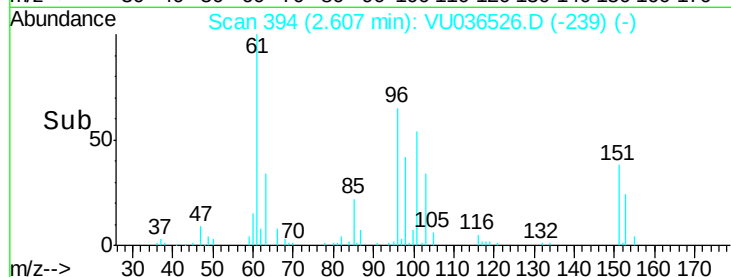
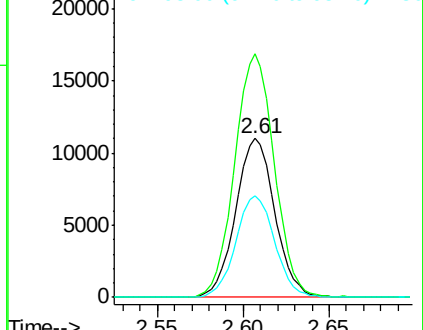
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Abundance Ion 96.00 (95.70 to 96.70): VU036526.D (-239) (-)

Ion 61.00 (60.70 to 61.70): VU036526.D (-239) (-)

Ion 98.00 (97.70 to 98.70): VU036526.D (-239) (-)



#10

Iodomethane

Concen: 1.511 ug/l

RT: 2.75 min Scan# 439

Delta R.T. -0.00 min

Lab File: VU036526.D

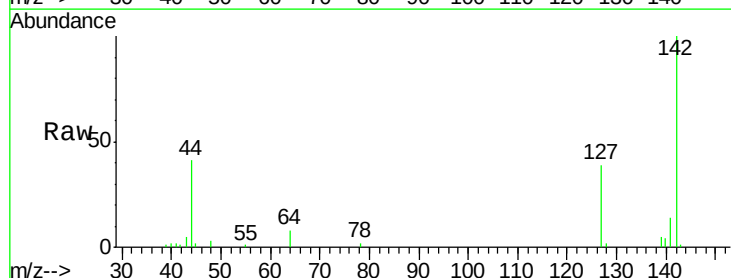
Acq: 22 Jan 2020 15:19

Tgt Ion:142 Resp: 16668

Ion Ratio Lower Upper

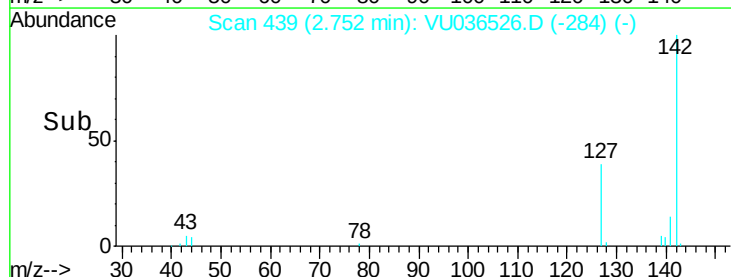
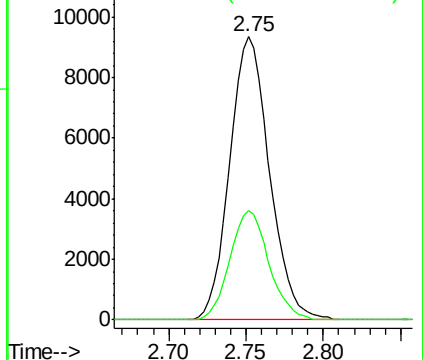
142 100

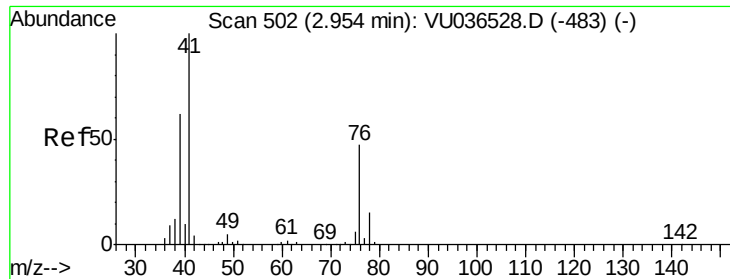
127 37.9 30.3 45.5



Abundance Ion 142.00 (141.70 to 142.70): VU036526.D (-284) (-)

Ion 127.00 (126.70 to 127.70): VU036526.D (-284) (-)





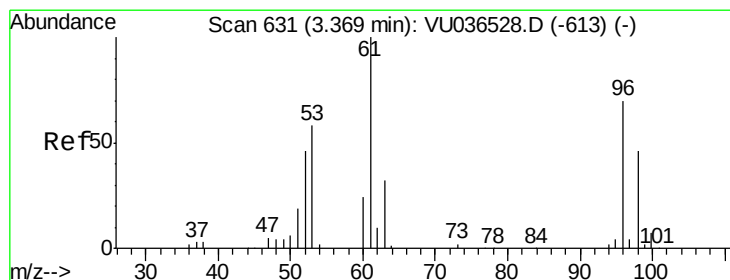
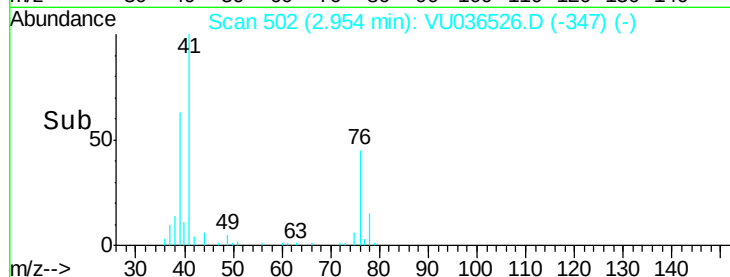
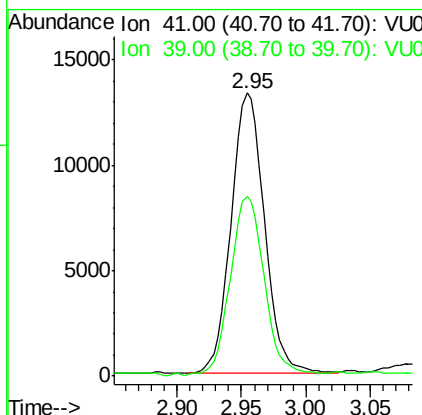
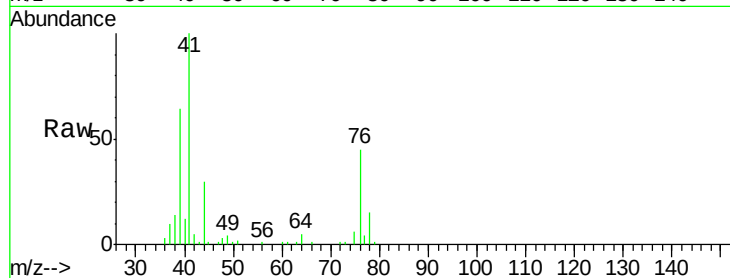
#11
Allvl Chloride
Concen: 1.327 ug/l
RT: 2.95 min Scan# 502
Delta R.T. -0.00 min
Lab File: VU036526.D
Acq: 22 Jan 2020 15:19

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion: 41 Resp: 23963
Ion Ratio Lower Upper
41 100
39 66.1 50.7 76.1

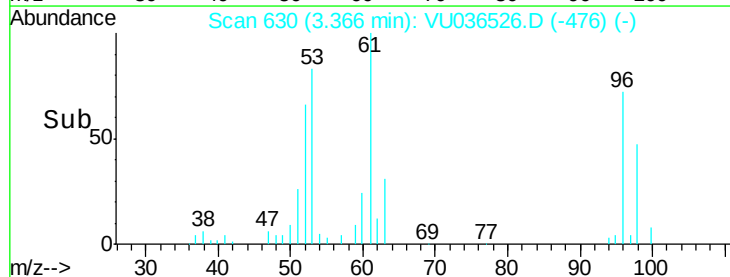
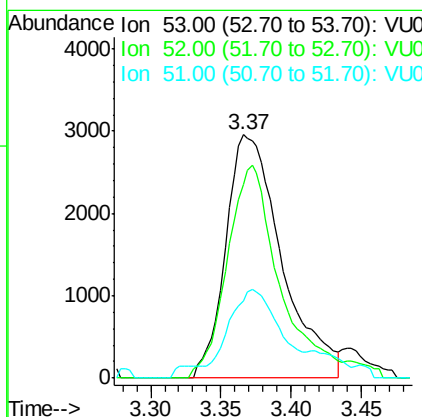
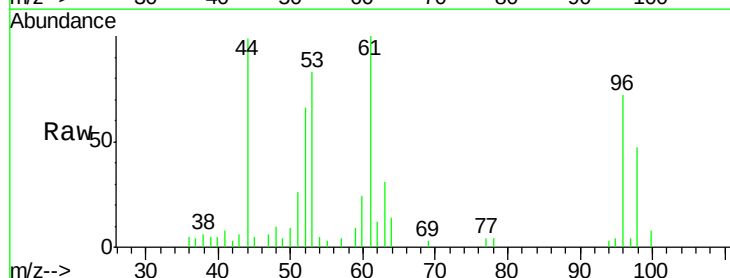
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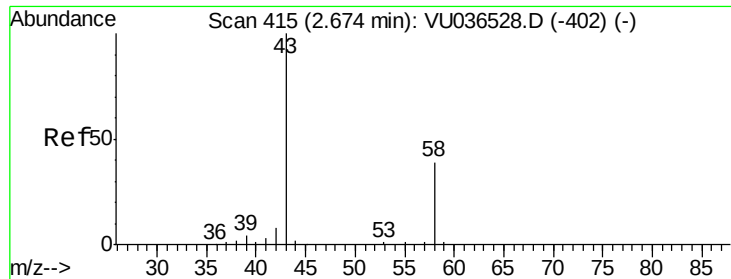
apatel
1/23/2020 3:21:29 PM



#12
Acrylonitrile
Concen: 3.182 ug/l
RT: 3.37 min Scan# 630
Delta R.T. -0.00 min
Lab File: VU036526.D
Acq: 22 Jan 2020 15:19

Tgt Ion: 53 Resp: 8225
Ion Ratio Lower Upper
53 100
52 81.4 64.6 97.0
51 27.7 27.2 40.8





#13

Acetone

Concen: 5.223 ug/l

RT: 2.68 min Scan# 416

Delta R.T. 0.00 min

Lab File: VU036526.D

Acq: 22 Jan 2020 15:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 43 Resp: 16188

Ion Ratio Lower Upper

43 100

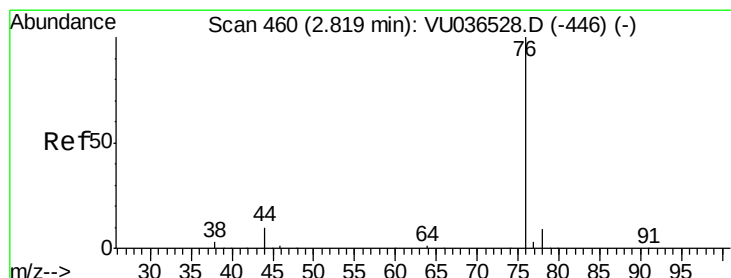
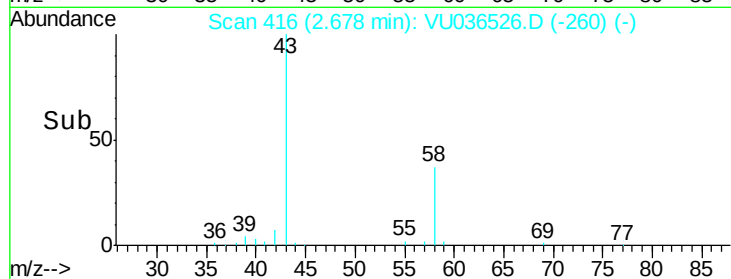
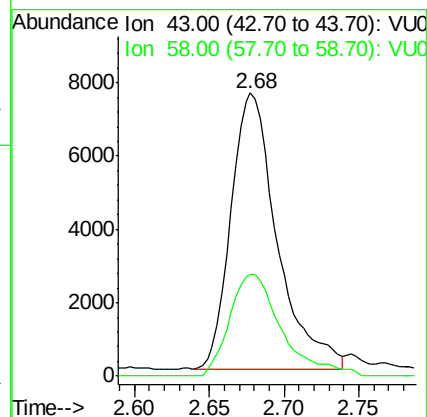
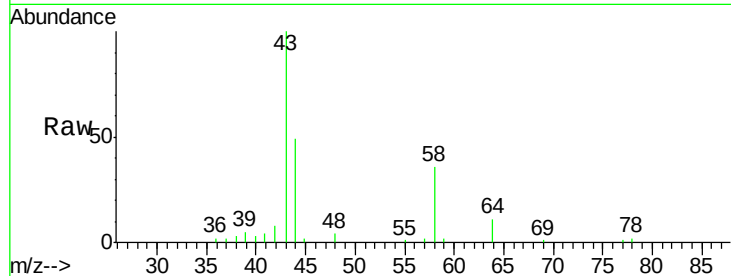
58 37.0 30.8 46.2

Manual Integrations

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#14

Carbon Disulfide

Concen: 1.734 ug/l

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU036526.D

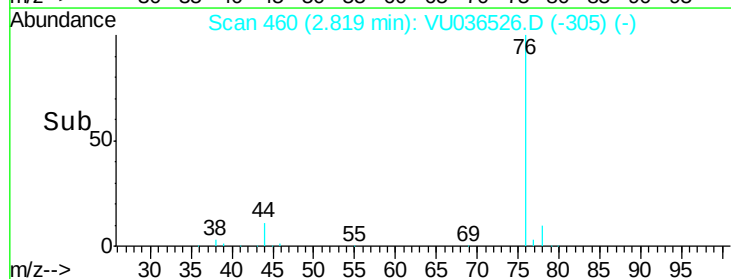
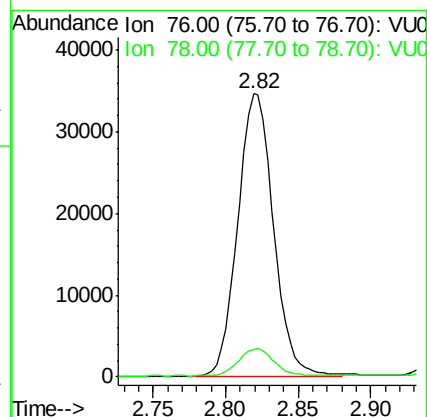
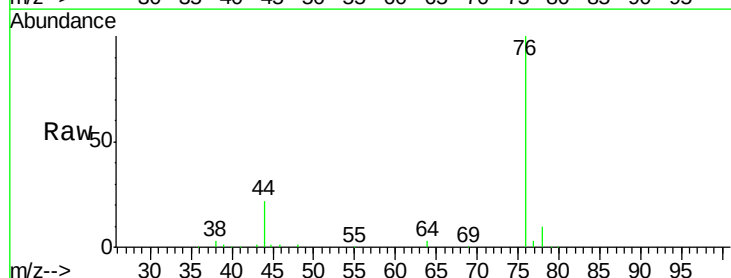
Acq: 22 Jan 2020 15:19

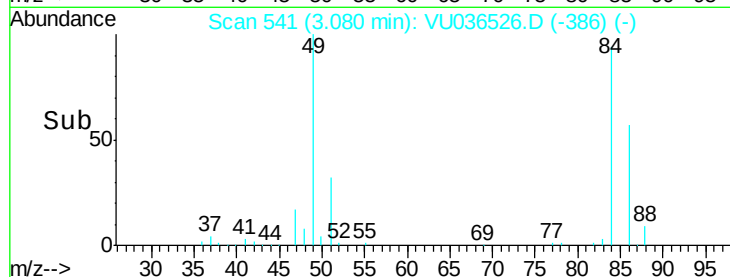
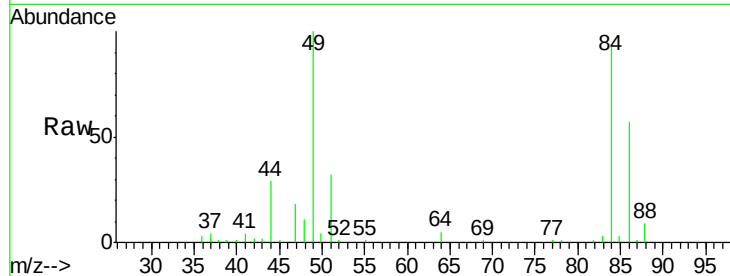
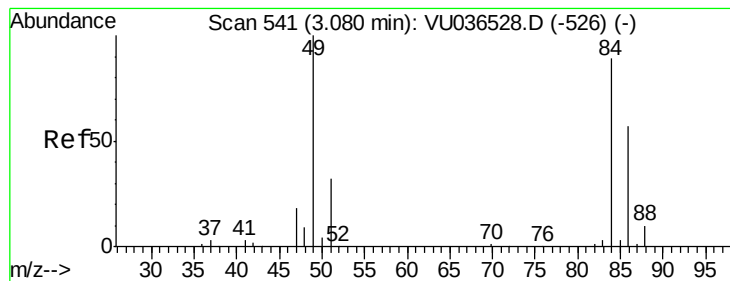
Tgt Ion: 76 Resp: 59648

Ion Ratio Lower Upper

76 100

78 9.5 7.4 11.0





#15

Methylene Chloride

Concen: 1.935 ug/l

RT: 3.08 min Scan# 541

Delta R.T. -0.00 min

Lab File: VU036526.D

Acq: 22 Jan 2020 15:19

Tot Ion	Ion	Ratio	Lower	Upper
84	100			
49	106.8	89.7	134.5	
51	33.9	0.0	71.6	
86	61.4	51.4	77.2	

Instrument :

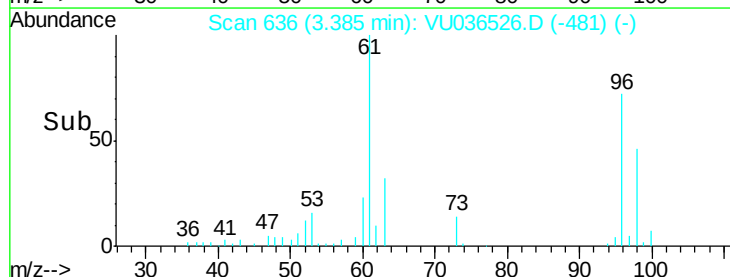
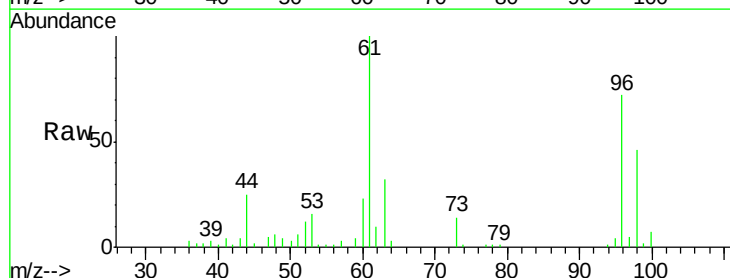
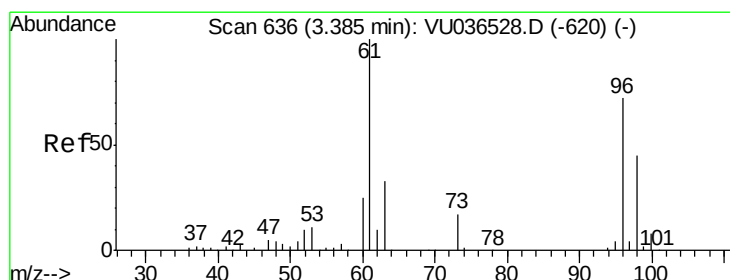
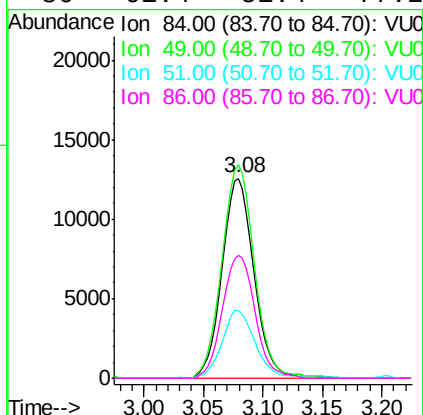
MSVOA_U

ClientSampleId :

VSTDIC002

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#16

trans-1,2-Dichloroethene

Concen: 1.884 ug/l

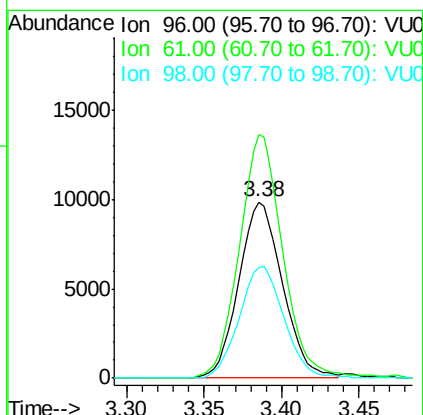
RT: 3.38 min Scan# 636

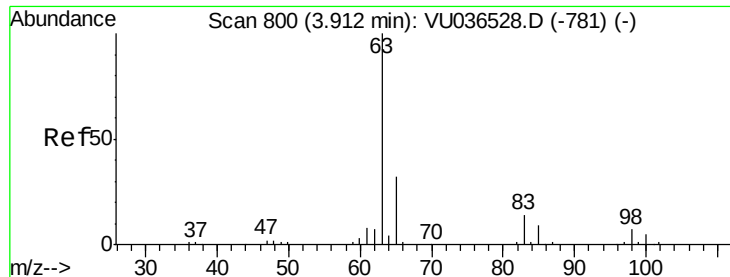
Delta R.T. -0.00 min

Lab File: VU036526.D

Acq: 22 Jan 2020 15:19

Tgt Ion	Ion	Ratio	Lower	Upper
96	100			
61	138.1	110.8	166.2	
98	62.9	50.3	75.5	





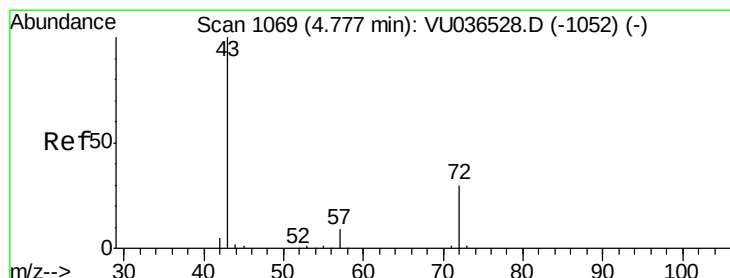
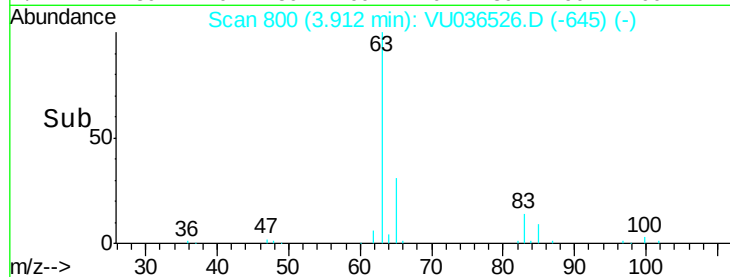
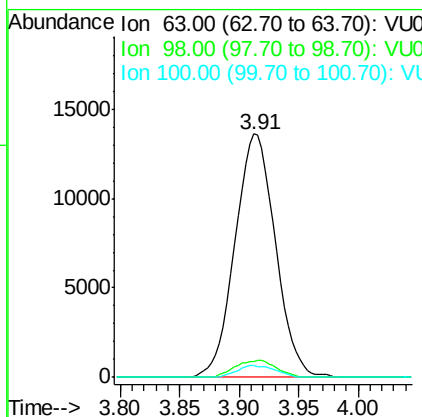
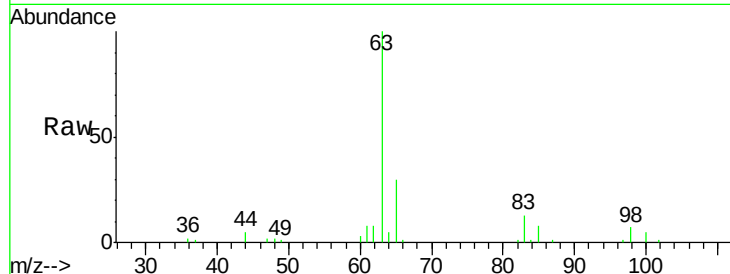
#17
 1,1-Dichloroethane
 Concen: 1.739 ug/l
 RT: 3.91 min Scan# 800
 Delta R.T. -0.00 min
 Lab File: VU036526.D
 Acq: 22 Jan 2020 15:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion:	63	Resp:	32023
Ion Ratio	Lower	Upper	
63	100		
98	6.7	3.5	10.5
100	4.8	2.4	7.1

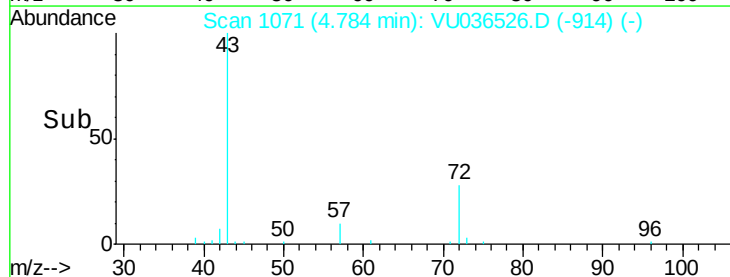
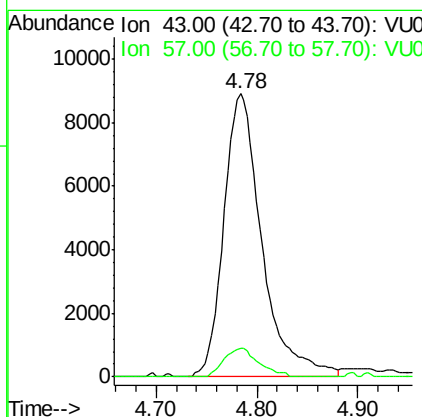
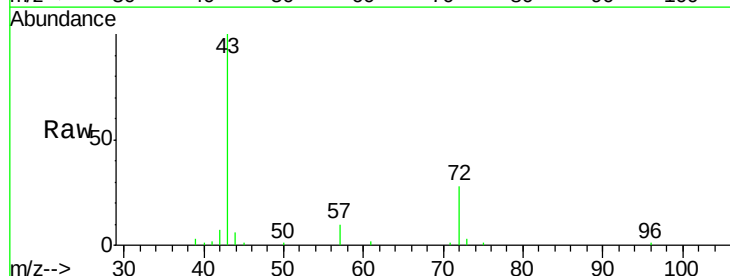
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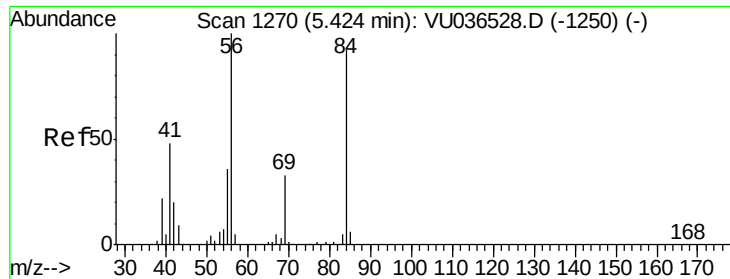
apatel
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#18
 2-Butanone
 Concen: 7.028 ug/l
 RT: 4.78 min Scan# 1071
 Delta R.T. 0.01 min
 Lab File: VU036526.D
 Acq: 22 Jan 2020 15:19

Tgt Ion:	43	Resp:	23456
Ion Ratio	Lower	Upper	
43	100		
57	10.0	0.0	17.8





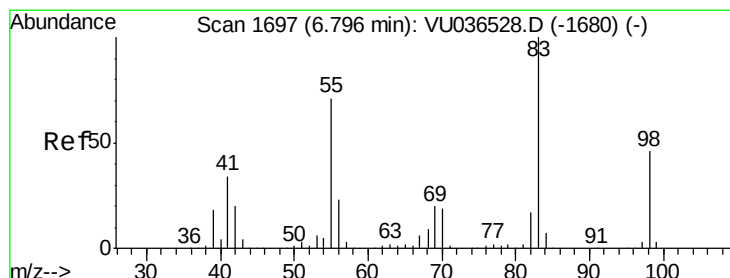
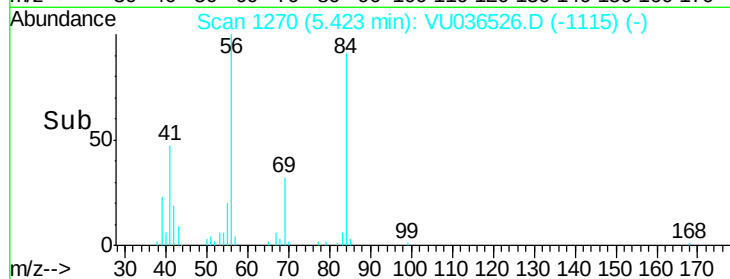
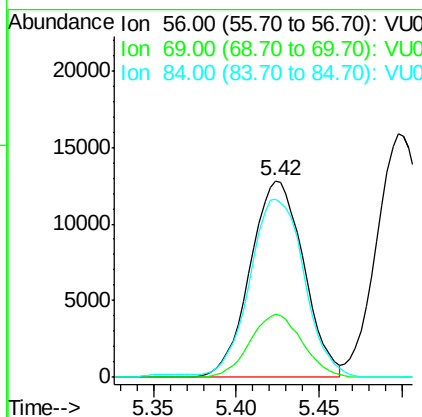
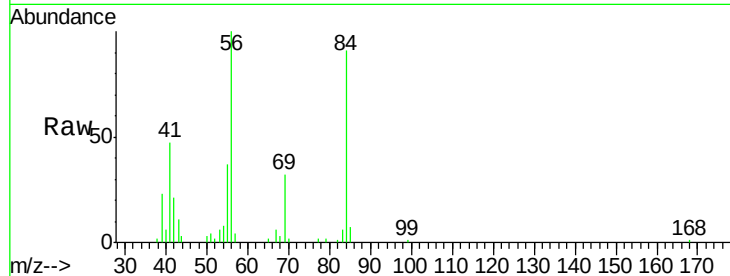
#19
Cyclohexane
Concen: 1.602 ug/l m
RT: 5.42 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VU036526.D
Acq: 22 Jan 2020 15:19

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.4	26.2	39.2
84	90.8	72.8	109.2

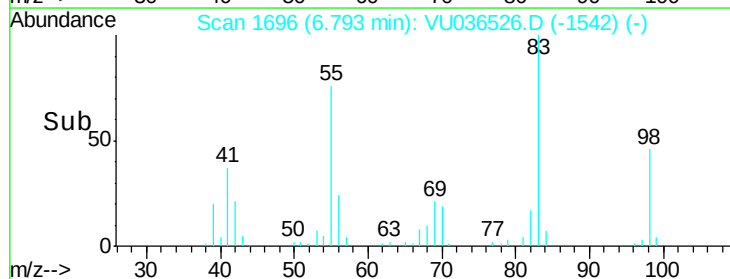
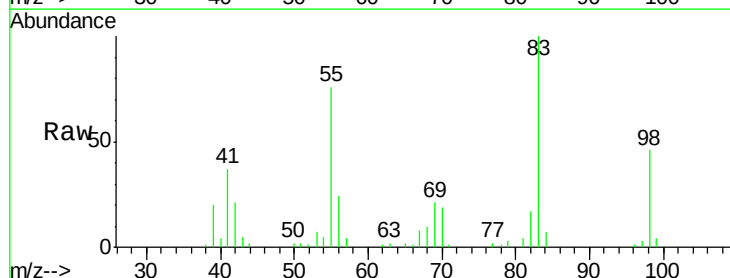
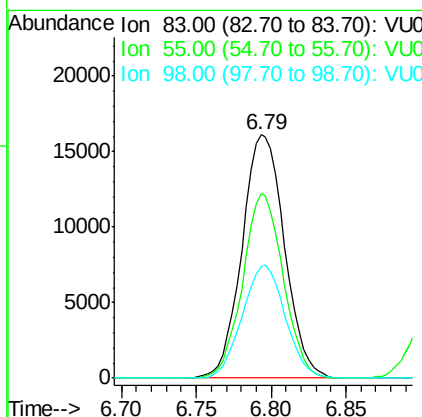
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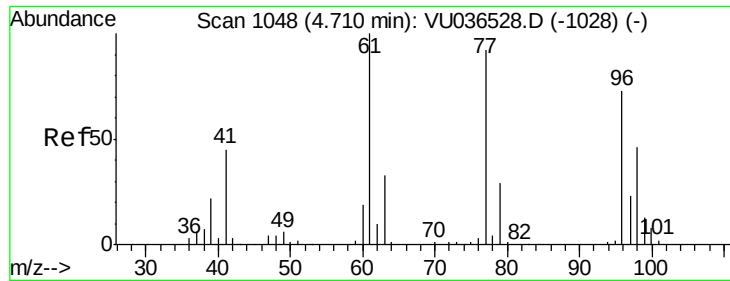
apatel
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#20
Methylcyclohexane
Concen: 1.788 ug/l
RT: 6.79 min Scan# 1696
Delta R.T. -0.00 min
Lab File: VU036526.D
Acq: 22 Jan 2020 15:19

Tgt Ion	Ratio	Lower	Upper
83	100		
55	72.4	56.6	85.0
98	46.9	37.5	56.3





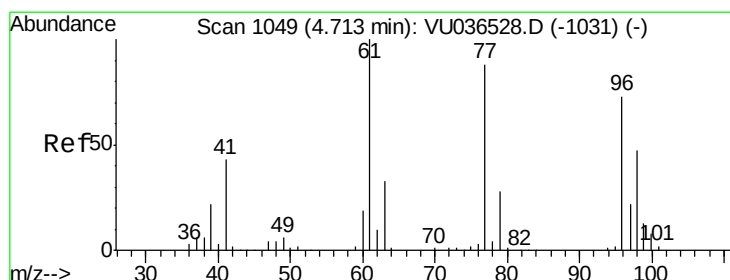
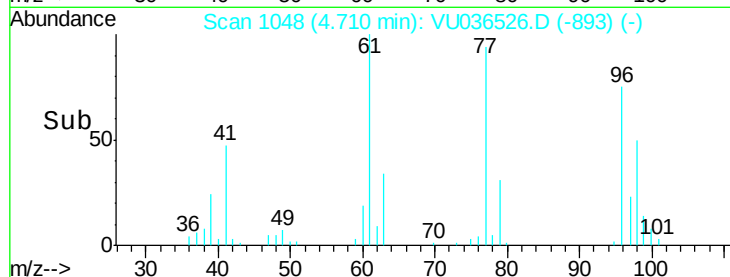
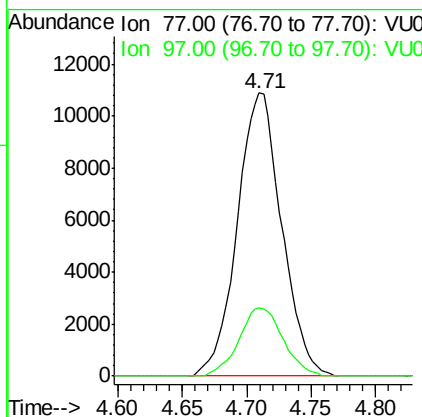
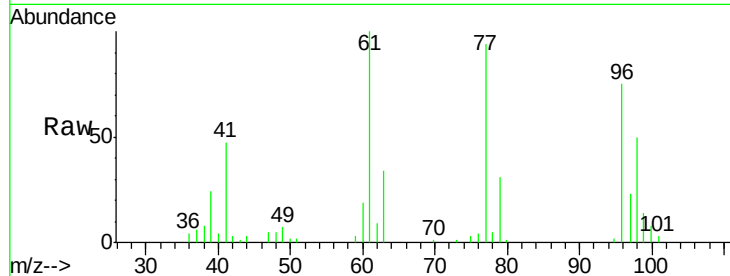
#21
 2,2-Dichloropropane
 Concen: 1.565 ug/l
 RT: 4.71 min Scan# 1048
 Delta R.T. -0.00 min
 Lab File: VU036526.D
 Acq: 22 Jan 2020 15:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion: 77 Resp: 26062
 Ion Ratio Lower Upper
 77 100
 97 24.0 19.0 28.4

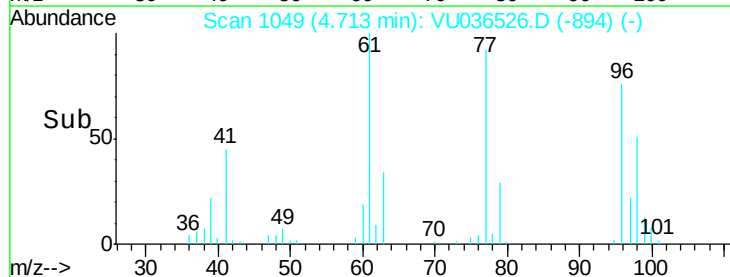
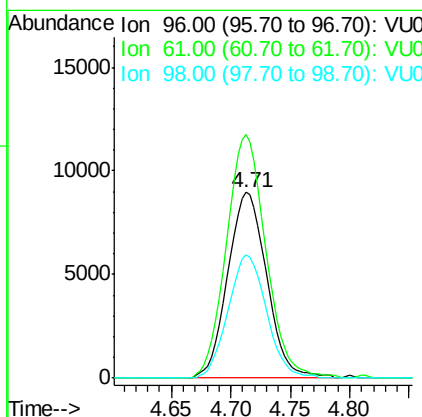
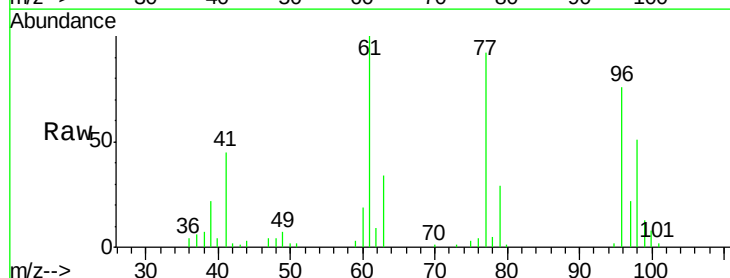
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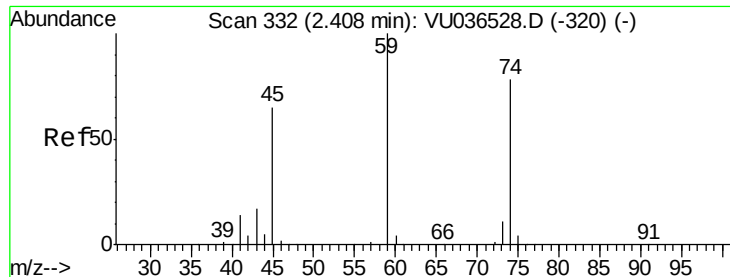
apatel
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#22
 cis-1,2-Dichloroethene
 Concen: 1.953 ug/l
 RT: 4.71 min Scan# 1049
 Delta R.T. -0.00 min
 Lab File: VU036526.D
 Acq: 22 Jan 2020 15:19

Tgt Ion: 96 Resp: 20384
 Ion Ratio Lower Upper
 96 100
 61 132.8 0.0 342.0
 98 65.2 32.0 96.0





#23

Diethyl Ether

Concen: 1.688 ug/l

RT: 2.41 min Scan# 332

Delta R.T. -0.00 min

Lab File: VU036526.D

Acq: 22 Jan 2020 15:19

Instrument :

MSVOA_U

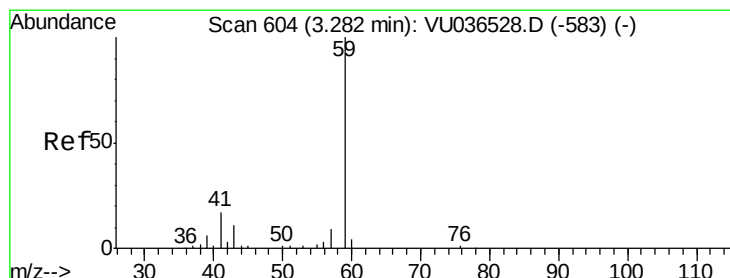
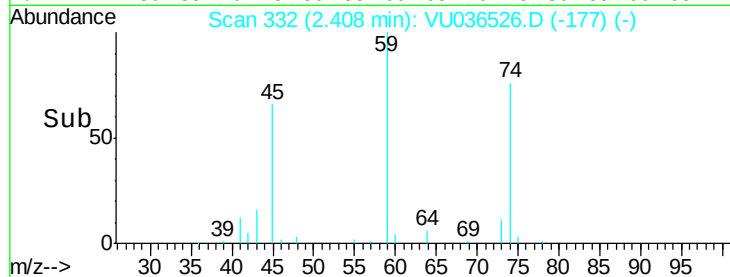
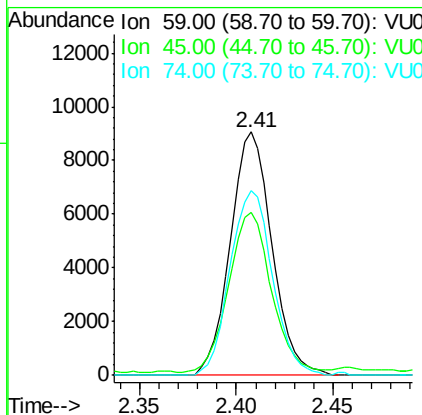
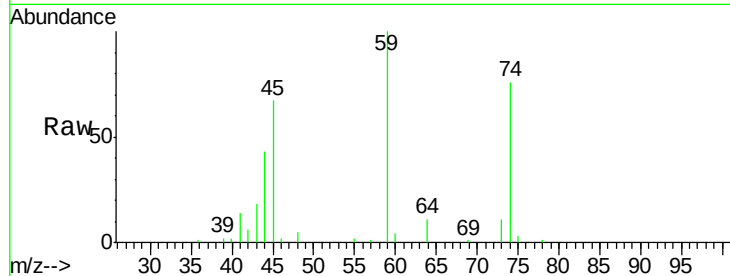
ClientSampleId :

VSTDIC002

Tot Ion:	59	Resp:	13555
Ion	Ratio	Lower	Upper
59	100		
45	66.7	52.4	78.6
74	77.8	62.1	93.1

Manual Integrations
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#24

tert-Butyl Alcohol

Concen: 14.232 ug/l

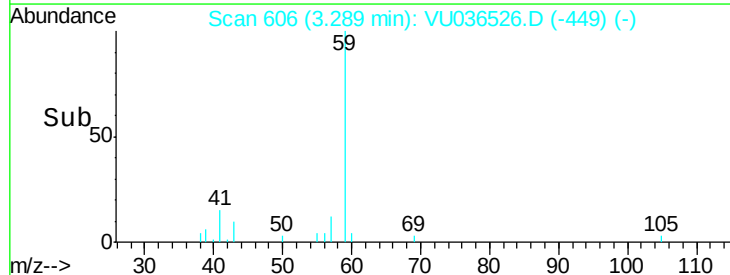
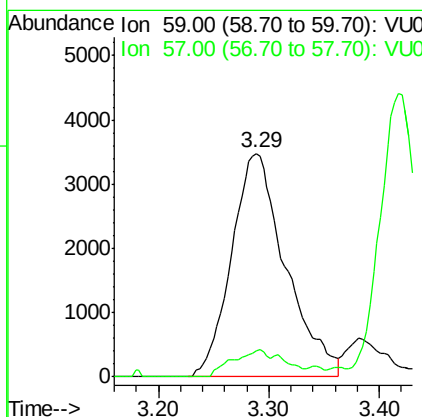
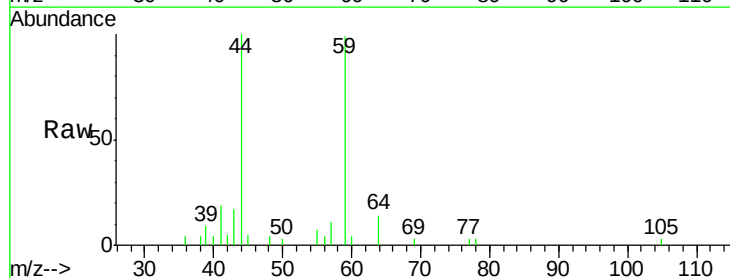
RT: 3.29 min Scan# 606

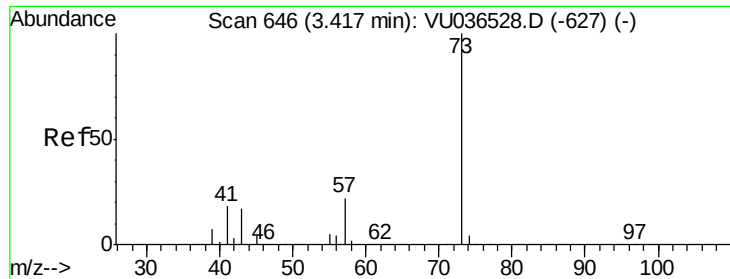
Delta R.T. 0.01 min

Lab File: VU036526.D

Acq: 22 Jan 2020 15:19

Tgt Ion:	59	Resp:	11828
Ion	Ratio	Lower	Upper
59	100		
57	8.0	8.4	12.6#





#25

Methyl tert-Butyl Ether

Concen: 1.658 ug/l

RT: 3.42 min Scan# 647

Delta R.T. 0.00 min

Lab File: VU036526.D

Acq: 22 Jan 2020 15:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 73 Resp: 46730

Ion Ratio Lower Upper

73 100

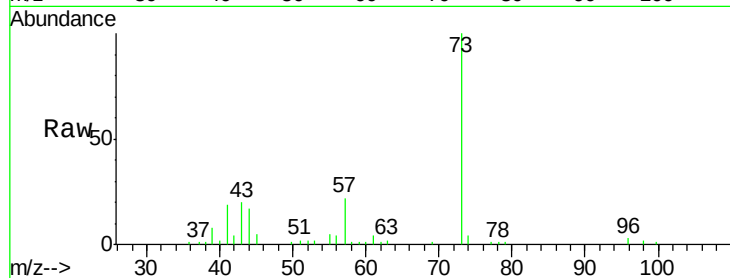
43 18.7 14.5 21.7

Manual Integrations

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Abundance Ion 73.00 (72.70 to 73.70): VU036528.D (-627) (-)

Ion 43.00 (42.70 to 43.70): VU036528.D (-627) (-)

3.42

20000

15000

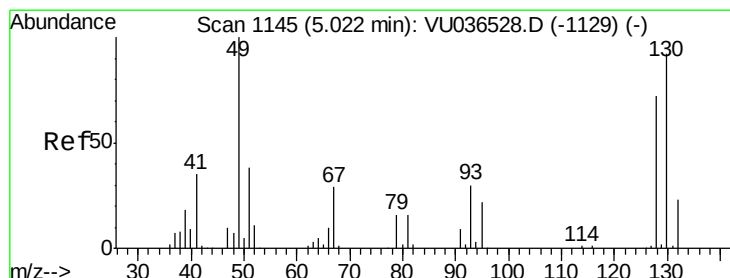
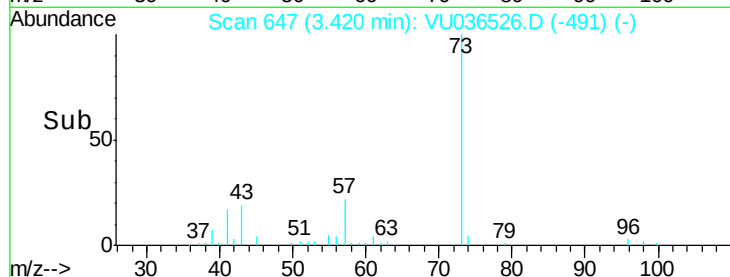
10000

5000

0

Time-->

3.30 3.35 3.40 3.45 3.50



#26

Bromochloromethane

Concen: 2.130 ug/l

RT: 5.02 min Scan# 1145

Delta R.T. -0.00 min

Lab File: VU036526.D

Acq: 22 Jan 2020 15:19

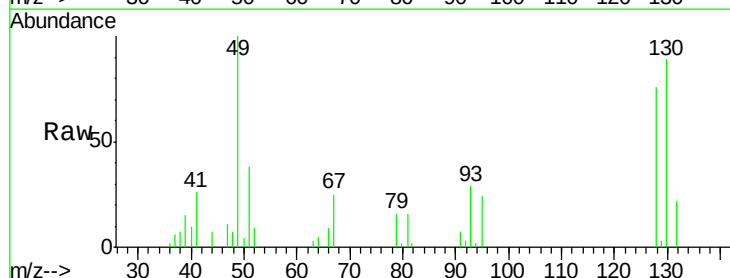
Tgt Ion: 128 Resp: 8910

Ion Ratio Lower Upper

128 100

49 137.9 0.0 286.2

130 128.0 104.3 156.5



Abundance Ion 128.00 (127.70 to 128.70): VU036528.D (-1129) (-)

Ion 49.00 (48.70 to 49.70): VU036528.D (-1129) (-)

Ion 130.00 (129.70 to 130.70): VU036528.D (-1129) (-)

5.02

6000

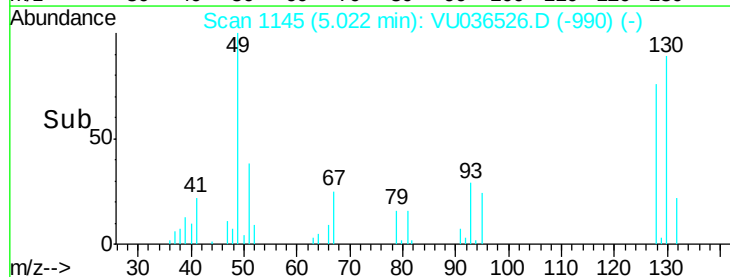
4000

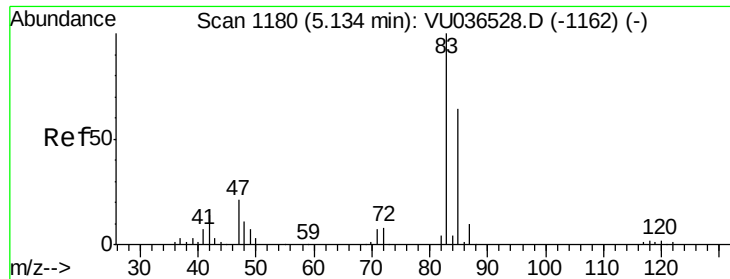
2000

0

Time-->

4.95 5.00 5.05 5.10





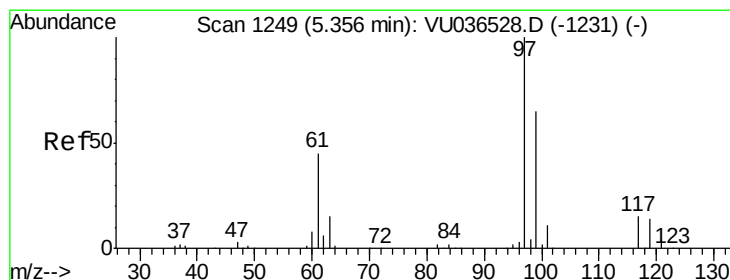
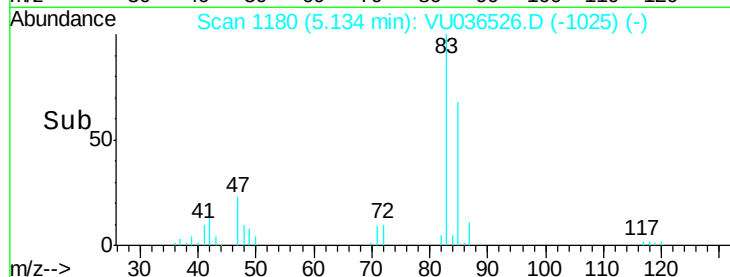
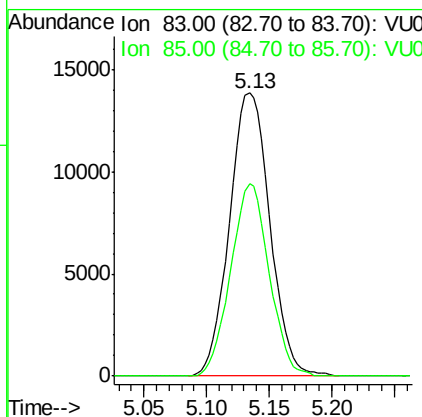
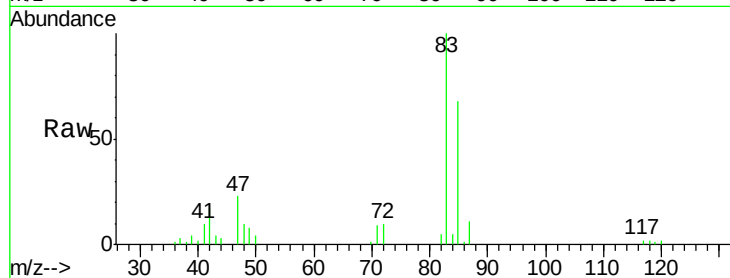
#27
Chloroform
Concen: 1.692 ug/l
RT: 5.13 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VU036526.D
Acq: 22 Jan 2020 15:19

Instrument :
MSVOA_U
ClientSampled :
VSTDIC002

Tot Ion	83	Resp	31016
Ion Ratio	100	Lower	Upper
83	100		
85	68.1	0.0	129.0

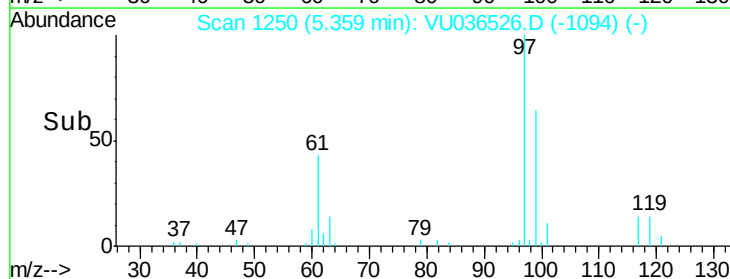
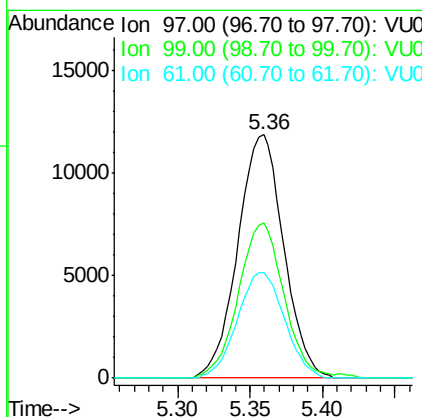
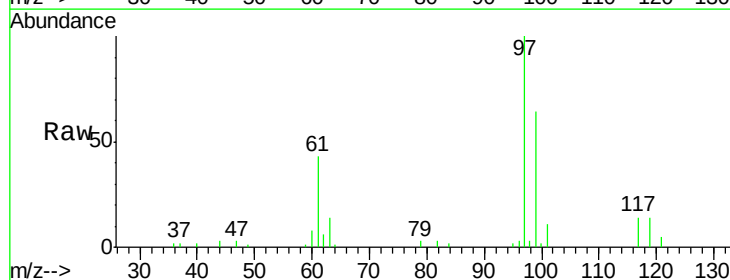
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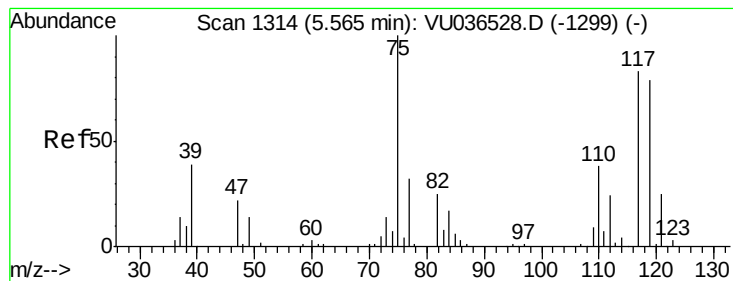
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#28
1,1,1-Trichloroethane
Concen: 1.608 ug/l
RT: 5.36 min Scan# 1250
Delta R.T. 0.00 min
Lab File: VU036526.D
Acq: 22 Jan 2020 15:19

Tgt Ion	97	Resp	26094
Ion Ratio	100	Lower	Upper
97	100		
99	63.8	32.1	96.3
61	44.5	22.7	68.0





#29

1,1-Dichloropropene

Concen: 1.695 ug/l

RT: 5.56 min Scan# 1314

Delta R.T. -0.00 min

Lab File: VU036526.D

Acq: 22 Jan 2020 15:19

Instrument :

MSVOA_U

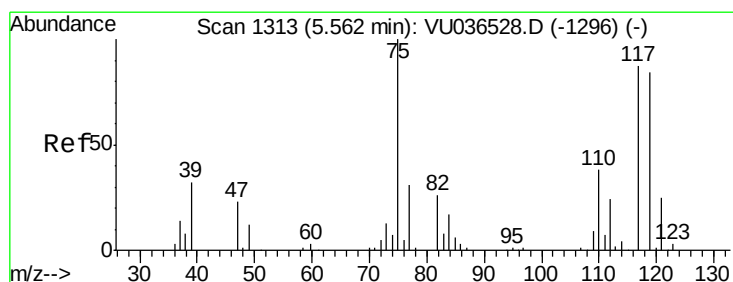
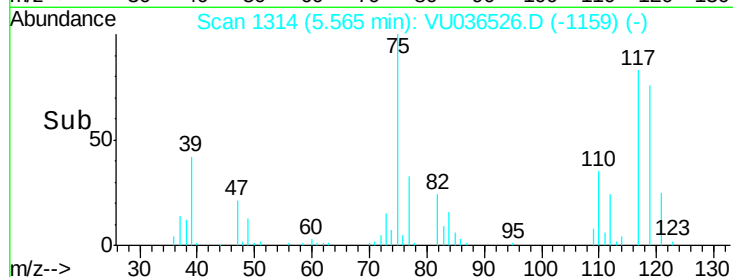
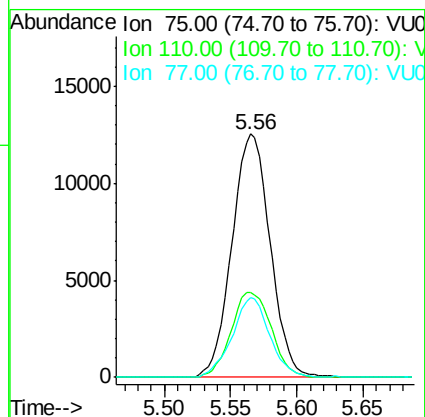
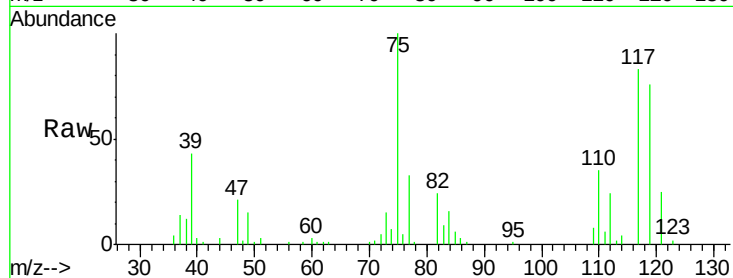
ClientSampleId :

VSTDIC002

Tot Ion:	75	Resp:	25143
Ion Ratio	Lower	Upper	
75	100		
110	36.6	18.6	55.8
77	32.0	25.0	37.4

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#30

Carbon Tetrachloride

Concen: 1.627 ug/l

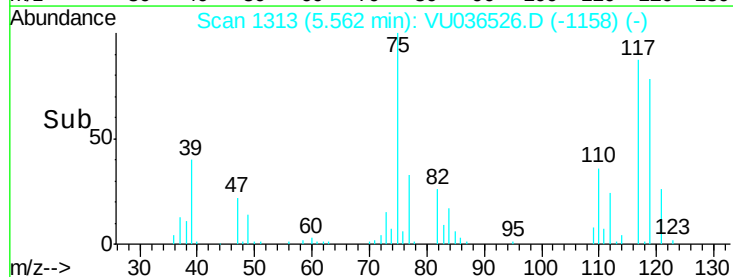
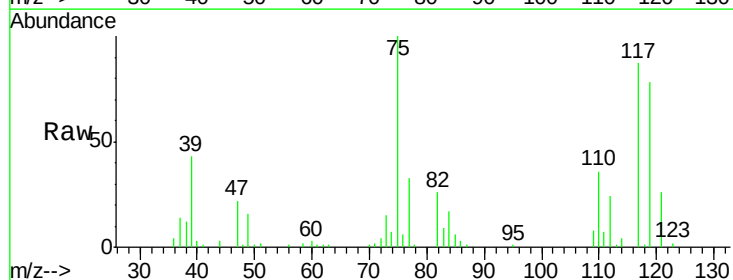
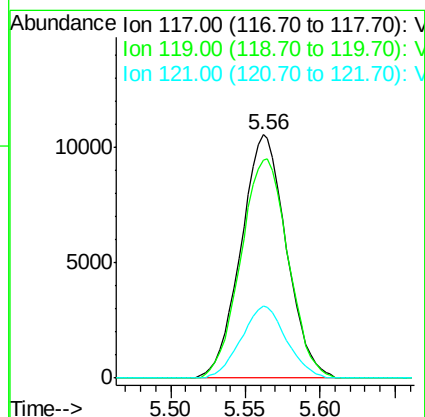
RT: 5.56 min Scan# 1313

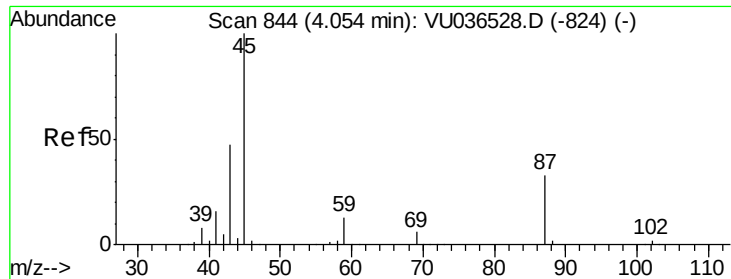
Delta R.T. -0.00 min

Lab File: VU036526.D

Acq: 22 Jan 2020 15:19

Tgt Ion:	117	Resp:	22208
Ion Ratio	Lower	Upper	
117	100		
119	89.5	77.0	115.6
121	29.6	23.3	34.9





#31

Isopropyl Ether

Concen: 1.531 ug/l

RT: 4.06 min Scan# 845

Delta R.T. 0.00 min

Lab File: VU036526.D

Acq: 22 Jan 2020 15:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 45 Resp: 47436

Ion Ratio Lower Upper

45 100

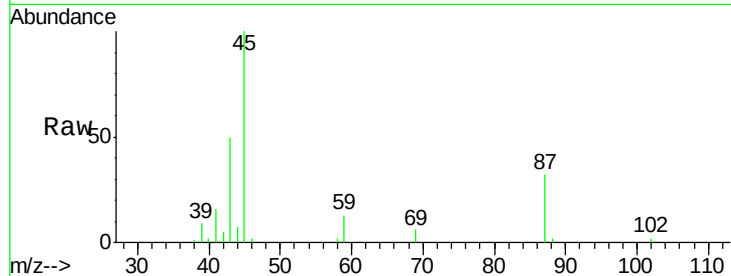
43 50.3 24.0 72.0

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Abundance Ion 45.00 (44.70 to 45.70): VU036526.D (-689) (-)

Ion 43.00 (42.70 to 43.70): VU036526.D (-689) (-)

20000

15000

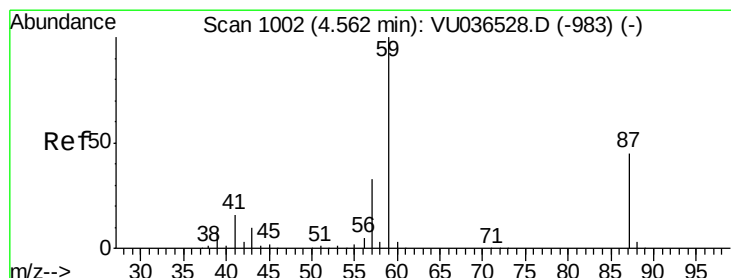
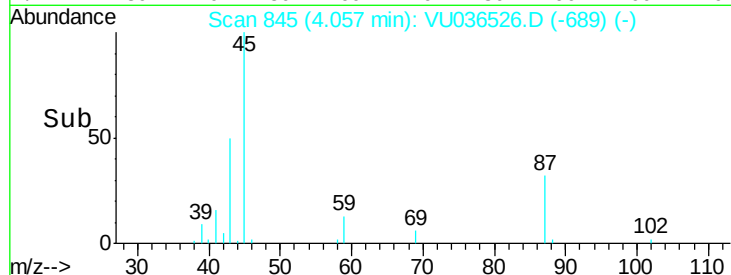
10000

5000

0

3.95 4.00 4.05 4.10 4.15

Time-->



#32

Ethyl-t-butyl ether

Concen: 1.646 ug/l

RT: 4.57 min Scan# 1003

Delta R.T. 0.00 min

Lab File: VU036526.D

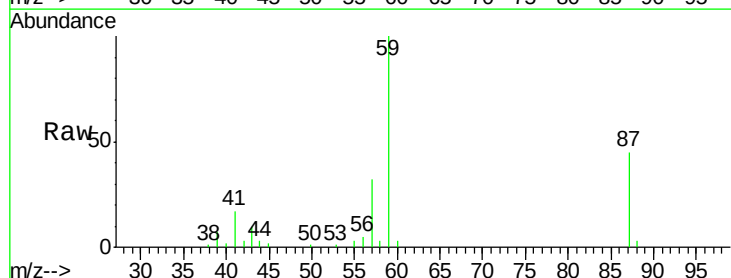
Acq: 22 Jan 2020 15:19

Tgt Ion: 59 Resp: 49882

Ion Ratio Lower Upper

59 100

87 43.8 35.1 52.7



Abundance Ion 59.00 (58.70 to 59.70): VU036526.D (-847) (-)

Ion 87.00 (86.70 to 87.70): VU036526.D (-847) (-)

20000

15000

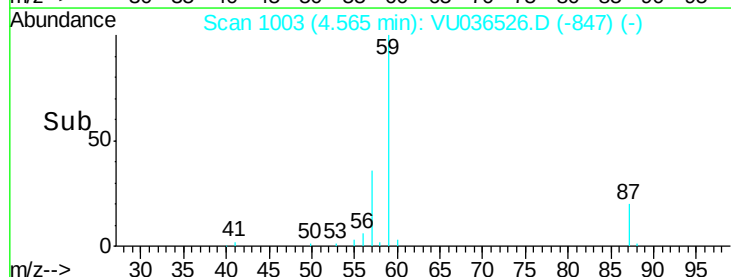
10000

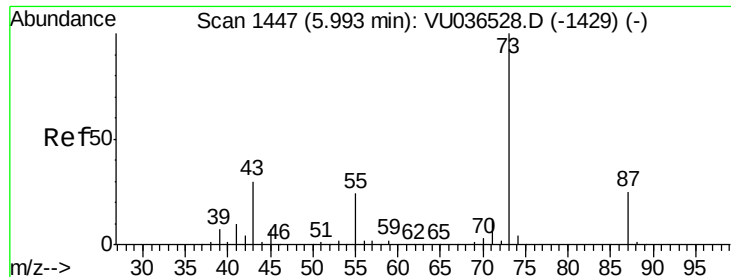
5000

0

4.45 4.50 4.55 4.60 4.65

Time-->





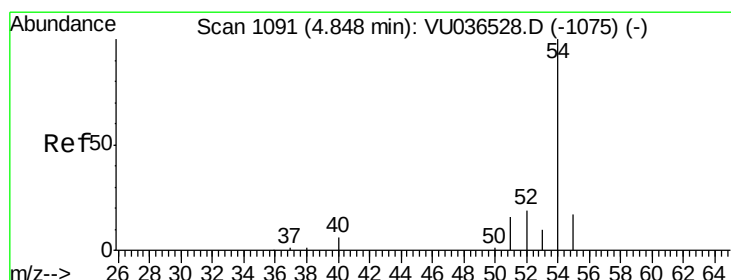
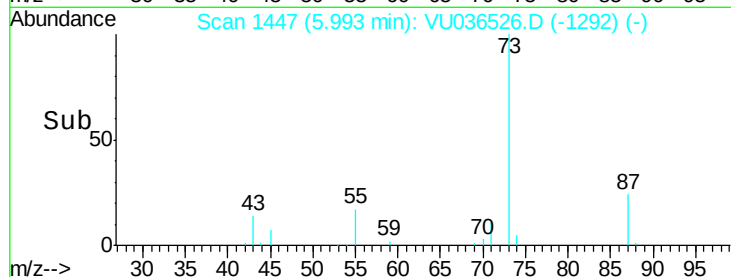
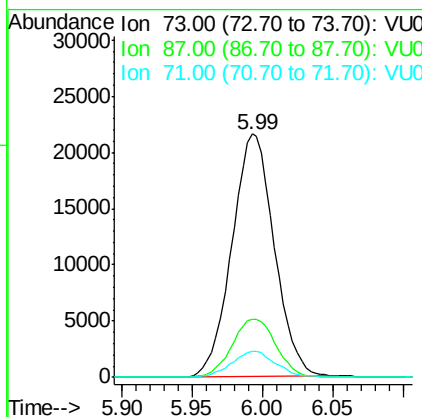
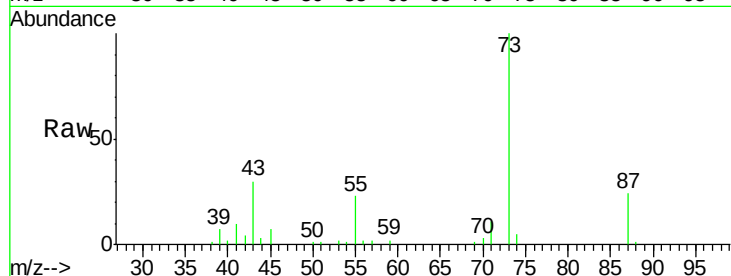
#33
Tert-Butyl methyl ether
Concen: 1.648 ug/l
RT: 5.99 min Scan# 1447
Delta R.T. -0.00 min
Lab File: VU036526.D
Acq: 22 Jan 2020 15:19

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
73	100		
87	24.9	19.8	29.6
71	11.3	9.1	13.7

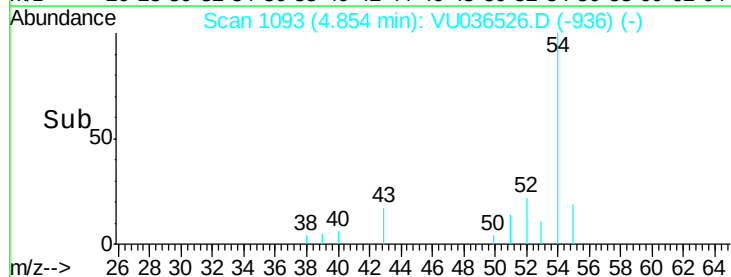
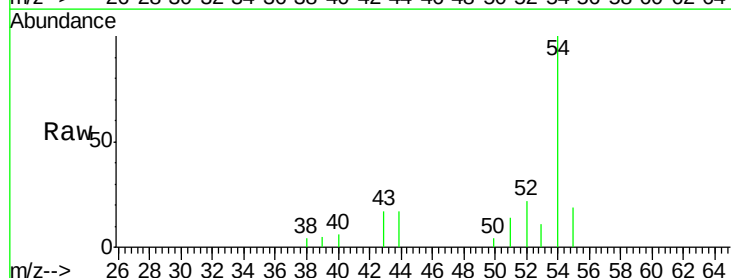
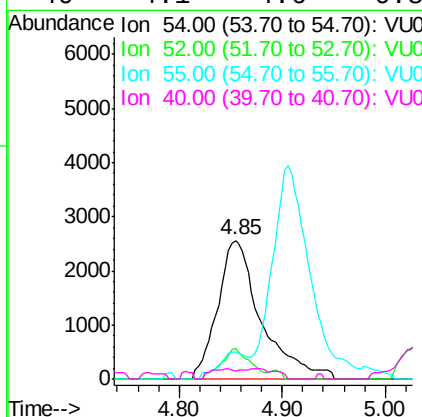
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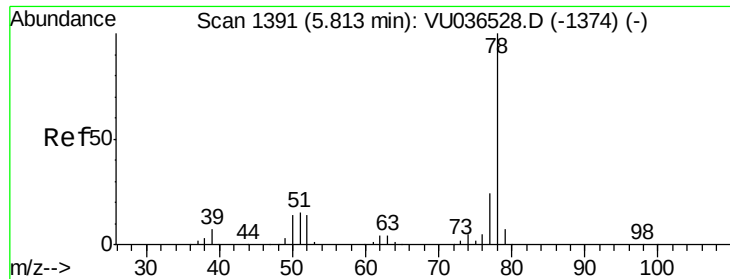
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#34
Propionitrile
Concen: 9.022 ug/l
RT: 4.85 min Scan# 1093
Delta R.T. 0.01 min
Lab File: VU036526.D
Acq: 22 Jan 2020 15:19

Tgt Ion	Ratio	Lower	Upper
54	100		
52	15.1	15.2	22.8#
55	12.5	9.5	14.3
40	4.1	4.6	6.8#





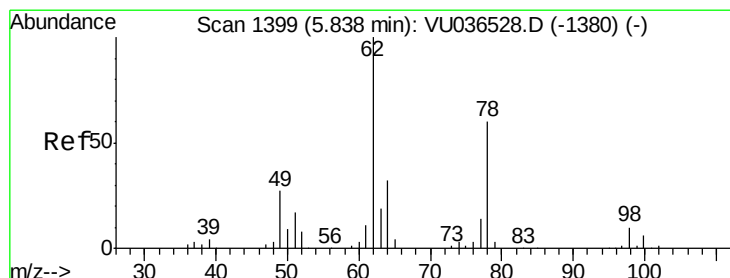
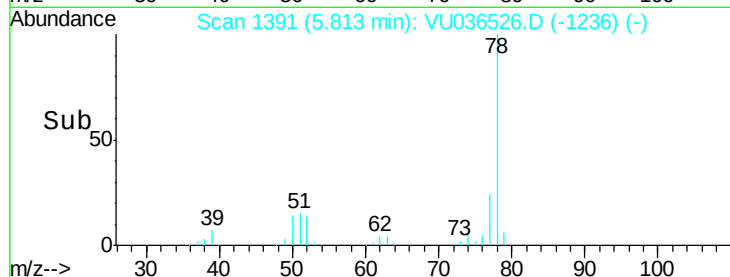
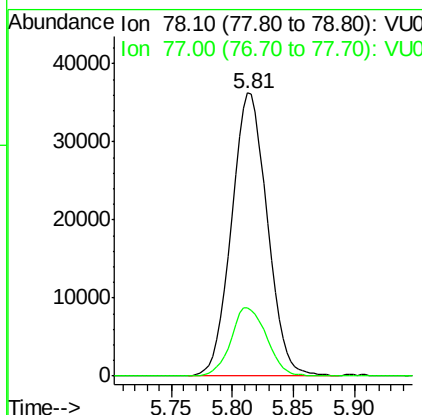
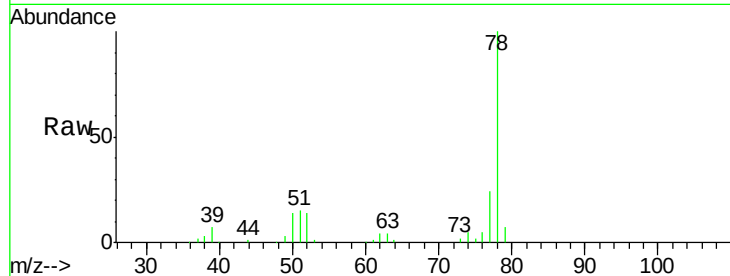
#35
Benzene
Concen: 1.782 ug/l
RT: 5.81 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VU036526.D
Acq: 22 Jan 2020 15:19

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.4	29.0

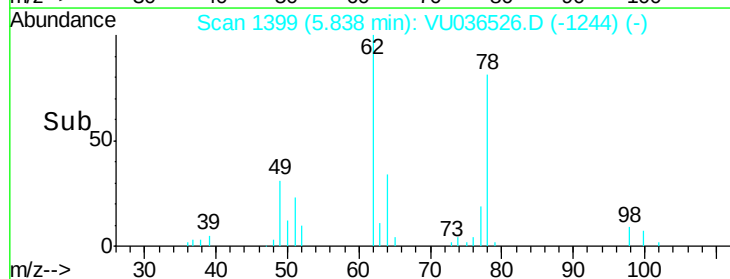
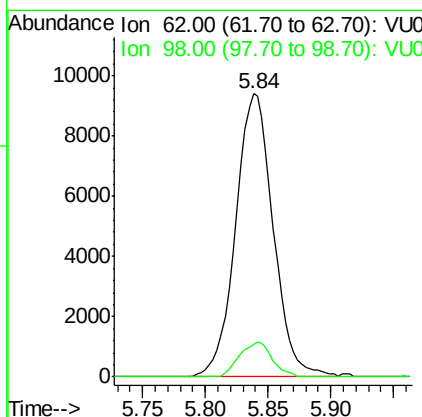
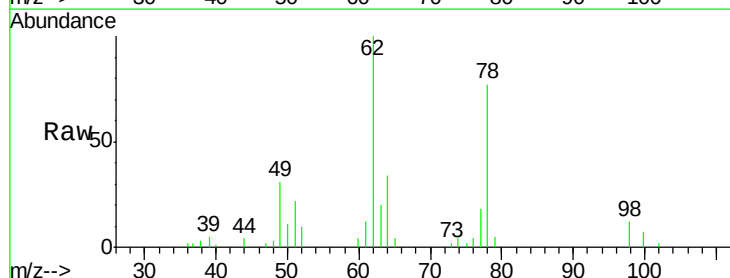
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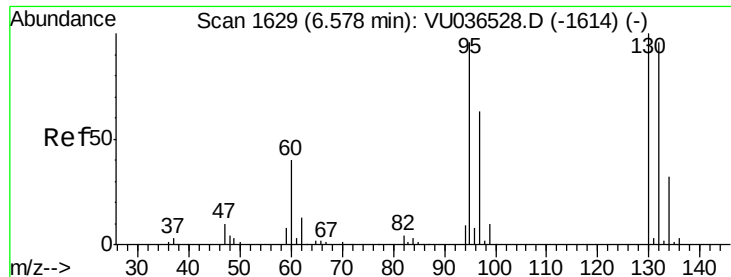
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#36
1,2-Dichloroethane
Concen: 1.478 ug/l
RT: 5.84 min Scan# 1399
Delta R.T. -0.00 min
Lab File: VU036526.D
Acq: 22 Jan 2020 15:19

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.6	7.8	11.8





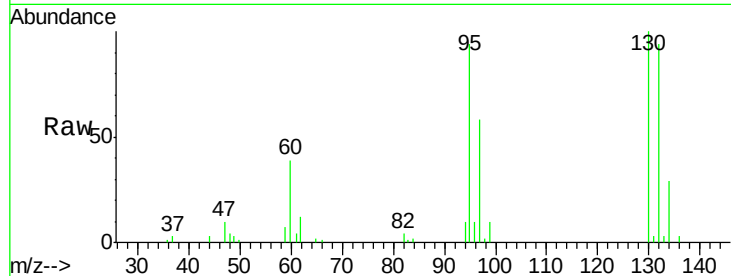
#37
 Trichloroethene
 Concen: 2.052 ug/l
 RT: 6.58 min Scan# 1629
 Delta R.T. -0.00 min
 Lab File: VU036526.D
 Acq: 22 Jan 2020 15:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

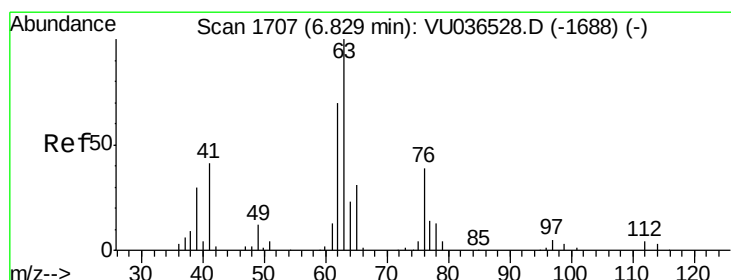
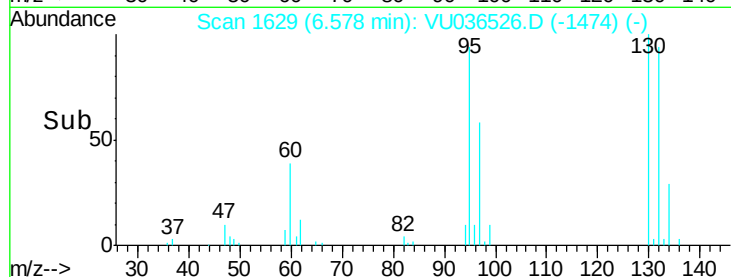
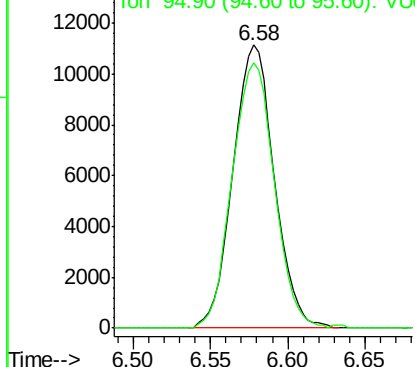
Tot Ion:130 Resp: 20666
 Ion Ratio Lower Upper
 130 100
 95 94.0 77.0 115.4

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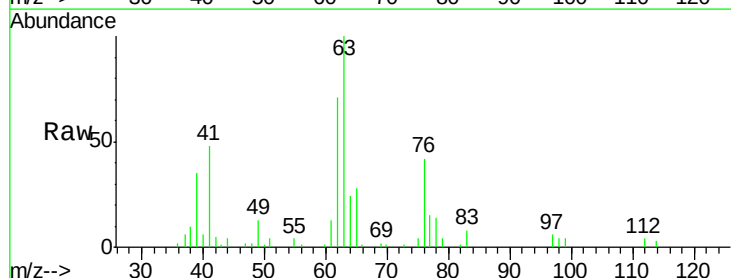


Abundance Ion 129.90 (129.60 to 130.60): VU036528.D (-1614) (-)
 Ion 94.90 (94.60 to 95.60): VU036528.D (-1614) (-)

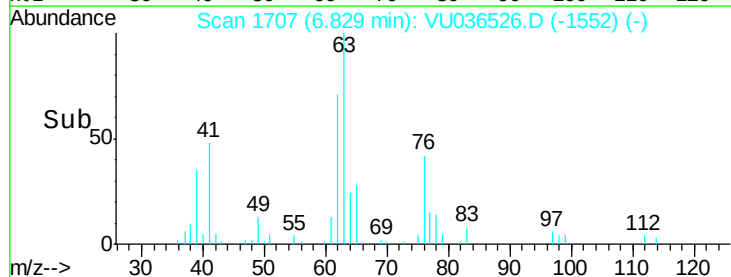
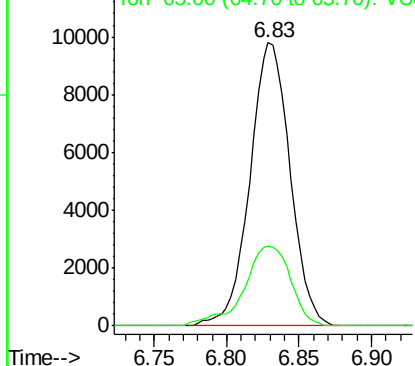


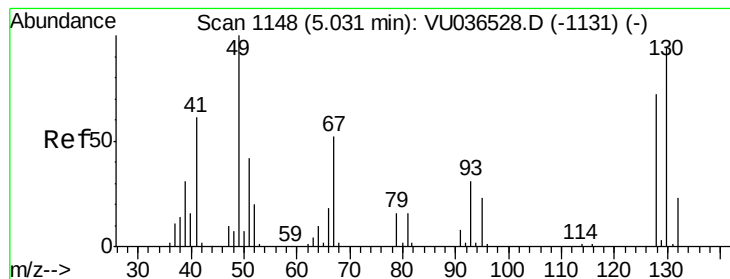
#38
 1,2-Dichloropropane
 Concen: 1.735 ug/l
 RT: 6.83 min Scan# 1707
 Delta R.T. -0.00 min
 Lab File: VU036526.D
 Acq: 22 Jan 2020 15:19

Tgt Ion: 63 Resp: 18893
 Ion Ratio Lower Upper
 63 100
 65 28.1 24.7 37.1



Abundance Ion 63.00 (62.70 to 63.70): VU036528.D (-1688) (-)
 Ion 65.00 (64.70 to 65.70): VU036528.D (-1688) (-)





#39

Methacrylonitrile

Concen: 1.409 ug/l

RT: 5.03 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VU036526.D

Acq: 22 Jan 2020 15:19

Instrument :

MSVOA_U

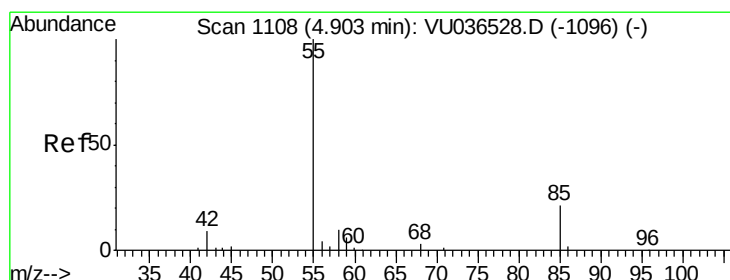
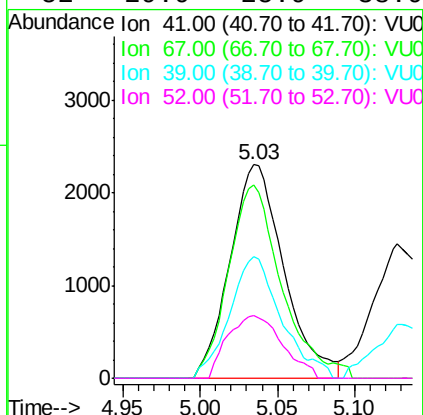
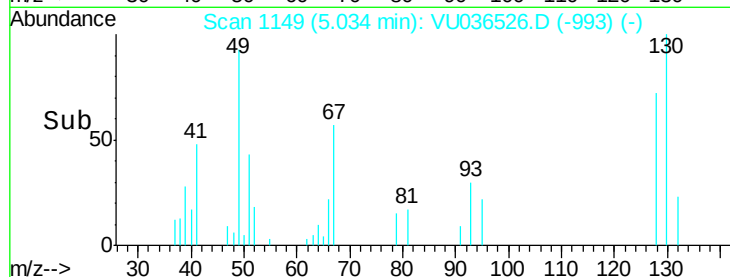
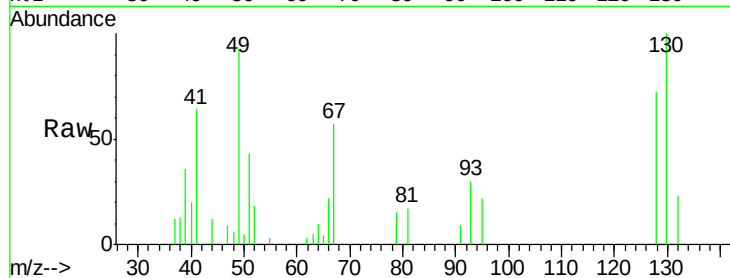
ClientSampleId :

VSTDIC002

Tot Ion:	41	Resp:	5559
Ion	Ratio	Lower	Upper
41	100		
67	89.3	69.6	104.4
39	54.7	41.6	62.4
52	29.9	25.9	38.9

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#40

Methyl acrylate

Concen: 1.576 ug/l

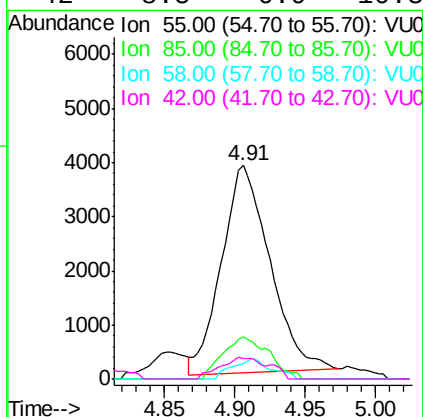
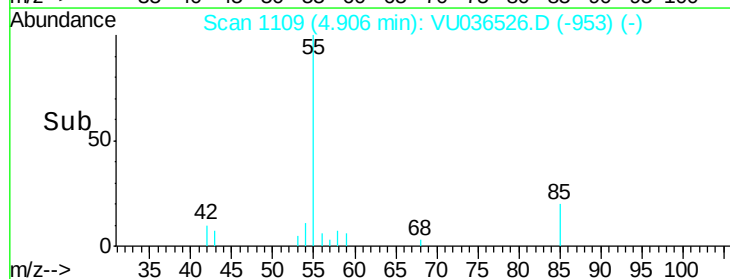
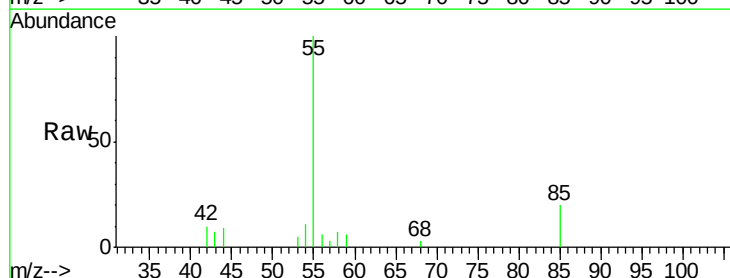
RT: 4.91 min Scan# 1109

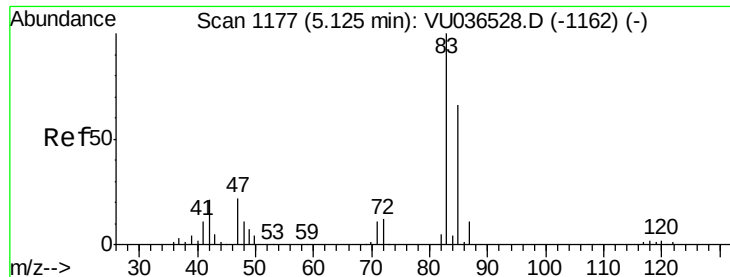
Delta R.T. 0.00 min

Lab File: VU036526.D

Acq: 22 Jan 2020 15:19

Tgt Ion:	55	Resp:	9226
Ion	Ratio	Lower	Upper
55	100		
85	19.3	14.7	22.1
58	7.8	7.1	10.7
42	8.5	6.9	10.3





#41

Tetrahydrofuran

Concen: 2.976 ug/l

RT: 5.13 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VU036526.D

Acq: 22 Jan 2020 15:19

Instrument :

MSVOA_U

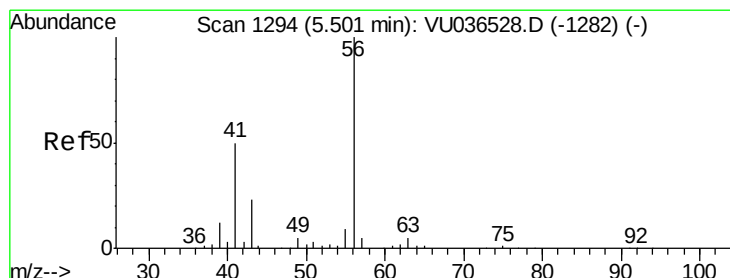
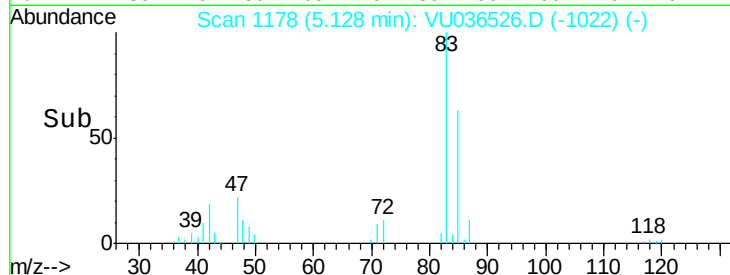
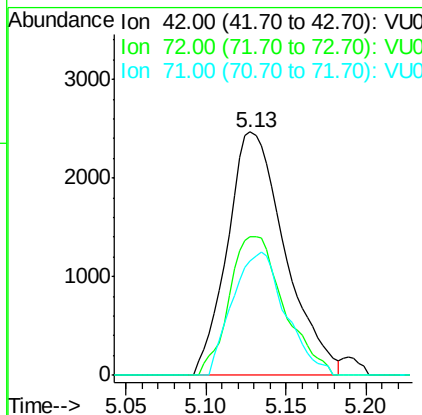
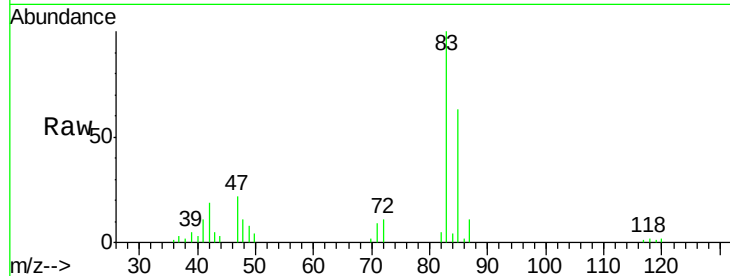
ClientSampleId :

VSTDIC002

Tot Ion:	42	Resp:	6088
Ion	Ratio	Lower	Upper
42	100		
72	53.9	42.5	63.7
71	46.4	37.3	55.9

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#42

1-Chlorobutane

Concen: 1.501 ug/l

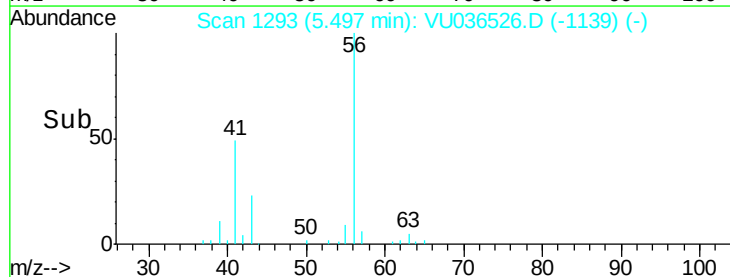
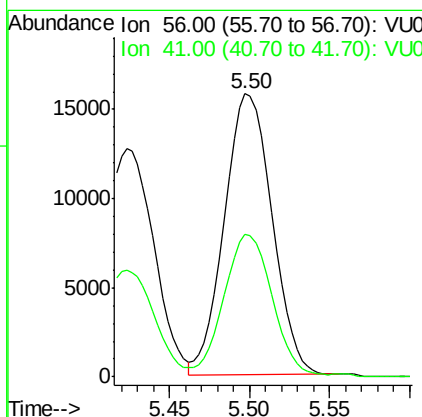
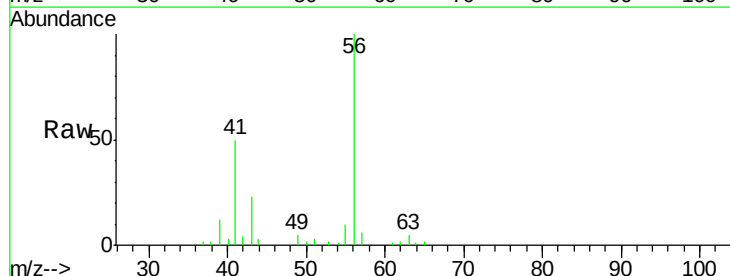
RT: 5.50 min Scan# 1293

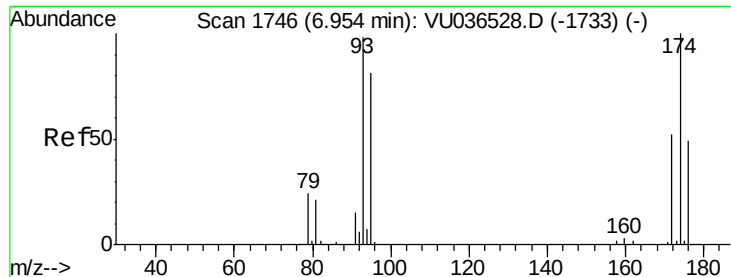
Delta R.T. -0.00 min

Lab File: VU036526.D

Acq: 22 Jan 2020 15:19

Tgt Ion:	56	Resp:	32243
Ion	Ratio	Lower	Upper
56	100		
41	49.9	24.8	74.3





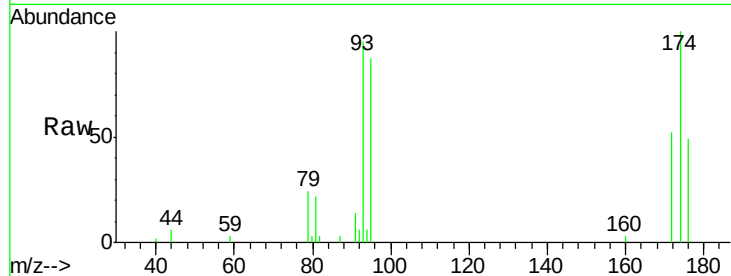
#43
Dibromomethane
Concen: 1.706 ug/l
RT: 6.96 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VU036526.D
Acq: 22 Jan 2020 15:19

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

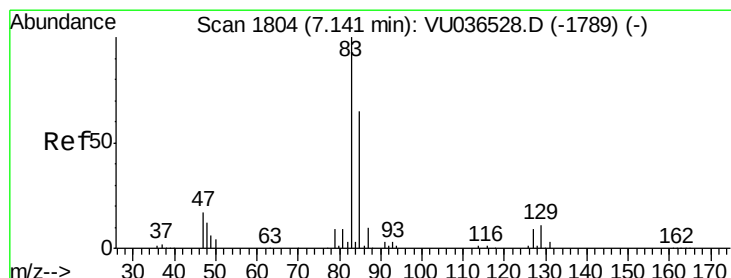
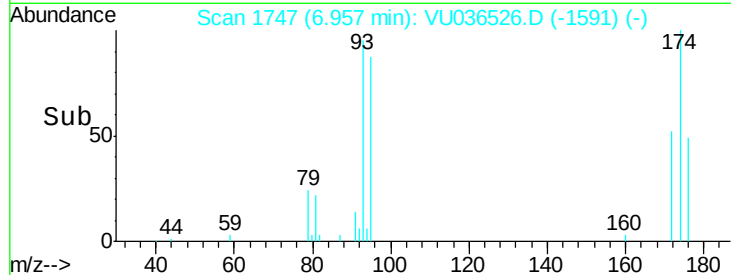
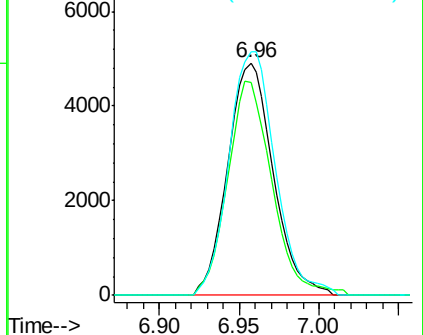
Tot Ion	Ratio	Lower	Upper
93	100		
95	89.6	67.9	101.9
174	106.8	83.4	125.0

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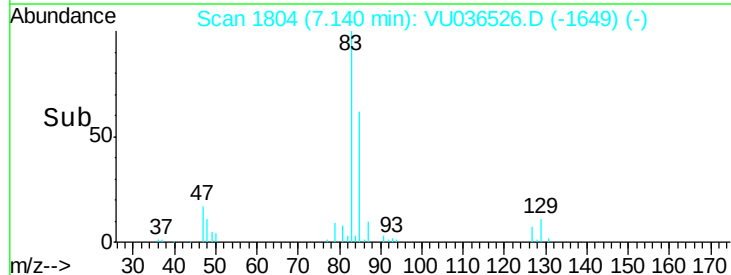
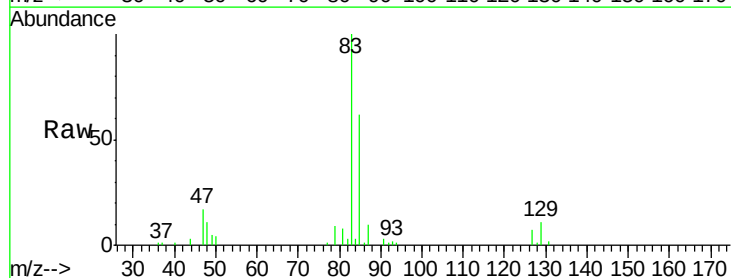
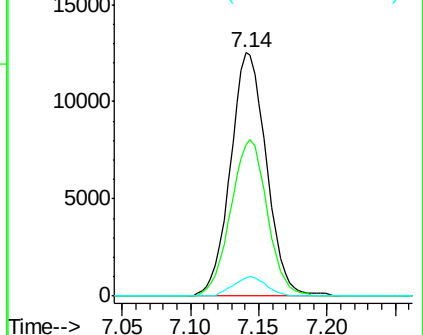
Abundance Ion 93.00 (92.70 to 93.70): VU036526.D (-1591) (-)
Ion 95.00 (94.70 to 95.70): VU036526.D (-1591) (-)
Ion 174.00 (173.70 to 174.70): VU036526.D (-1591) (-)

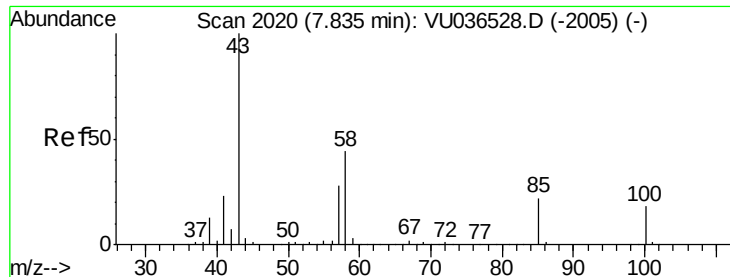


#44
Bromodichloromethane
Concen: 1.596 ug/l
RT: 7.14 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VU036526.D
Acq: 22 Jan 2020 15:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.2	51.8	77.6
127	7.5	6.8	10.2

Abundance Ion 83.00 (82.70 to 83.70): VU036526.D (-1649) (-)
Ion 85.00 (84.70 to 85.70): VU036526.D (-1649) (-)
Ion 127.00 (126.70 to 127.70): VU036526.D (-1649) (-)





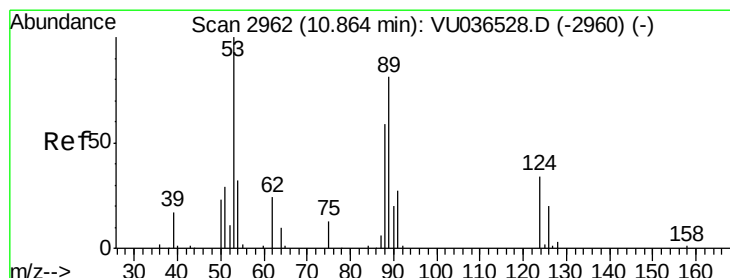
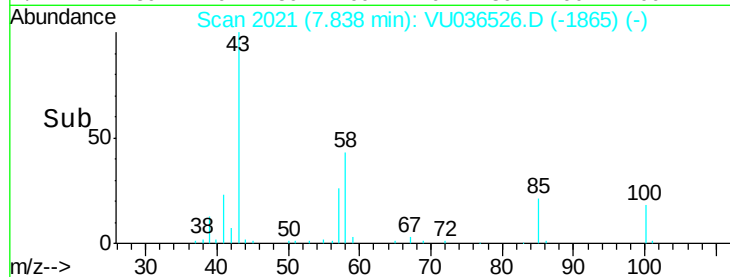
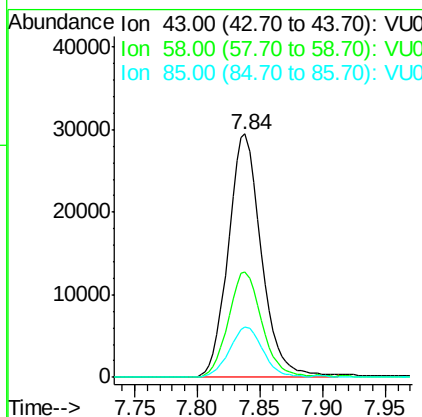
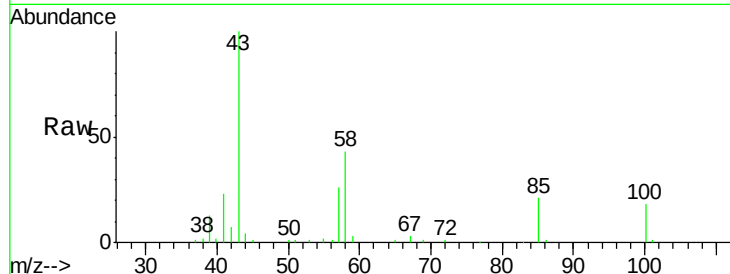
#45
4-Methyl-2-Pentanone
Concen: 7.021 ug/l
RT: 7.84 min Scan# 2021
Delta R.T. 0.00 min
Lab File: VU036526.D
Acq: 22 Jan 2020 15:19

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
43	100		
58	43.7	22.1	66.1
85	21.0	17.4	26.0

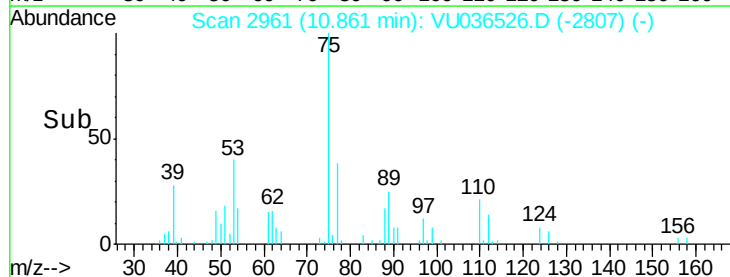
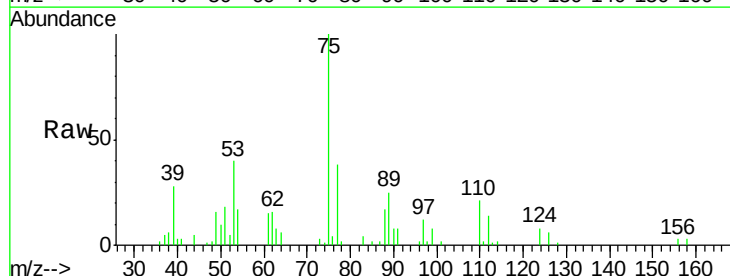
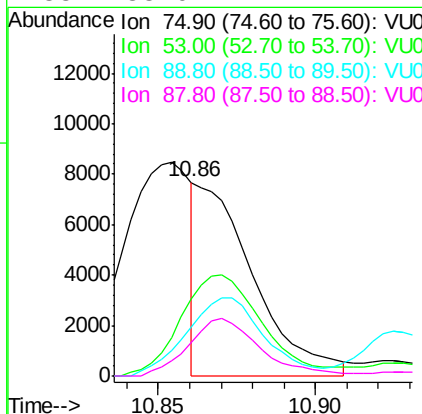
Manual Integrations
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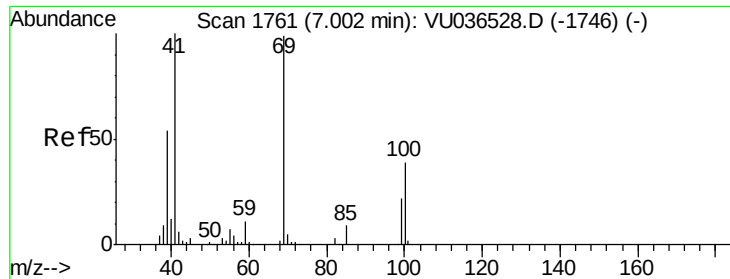
apatel
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#46
t-1,4-Dichloro-2-butene
Concen: 3.024 ug/l m
RT: 10.86 min Scan# 2961
Delta R.T. -0.00 min
Lab File: VU036526.D
Acq: 22 Jan 2020 15:19

Tgt Ion	Ratio	Lower	Upper
75	100		
53	76.3	52.2	78.2
89	56.1	39.8	59.6
88	38.0	27.4	41.2





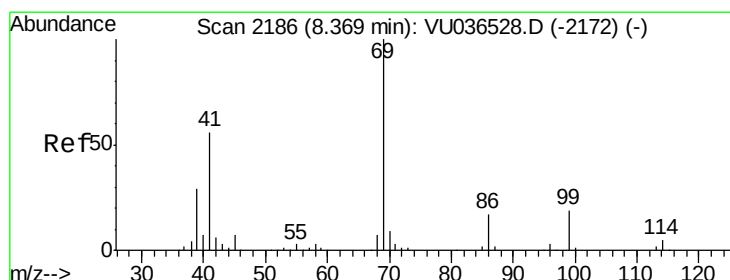
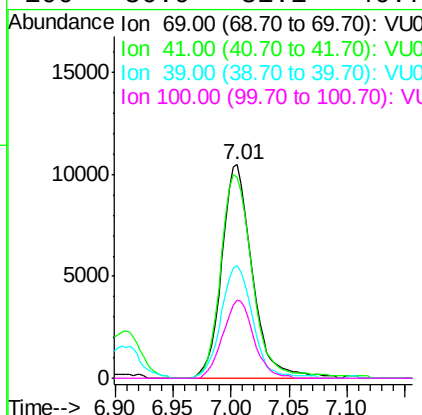
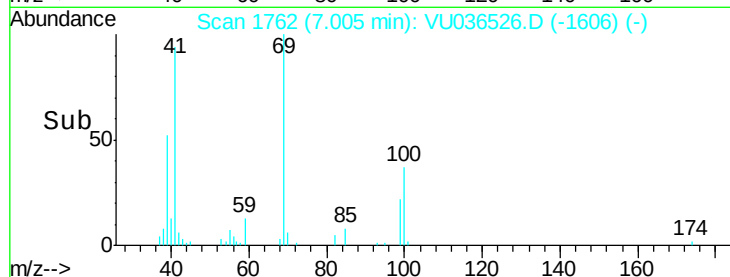
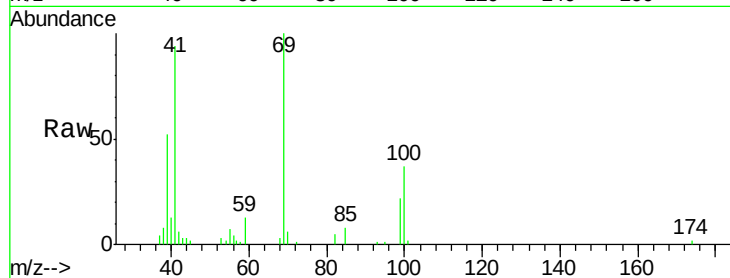
#47
Methyl methacrylate
Concen: 3.584 ug/l
RT: 7.01 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VU036526.D
Acq: 22 Jan 2020 15:19

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion:	69	Resp:	19118
Ion	Ratio	Lower	Upper
69	100		
41	97.0	0.0	200.8
39	54.0	43.5	65.3
100	36.9	31.1	46.7

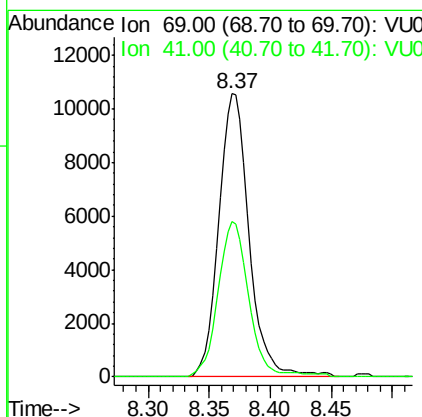
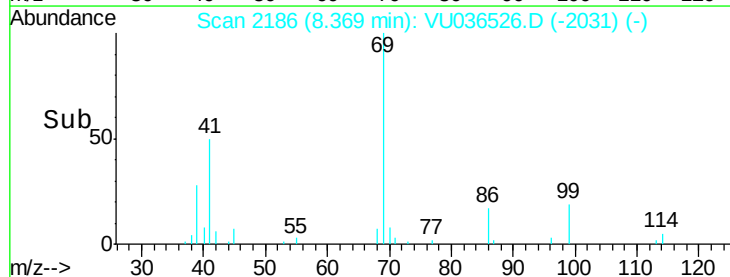
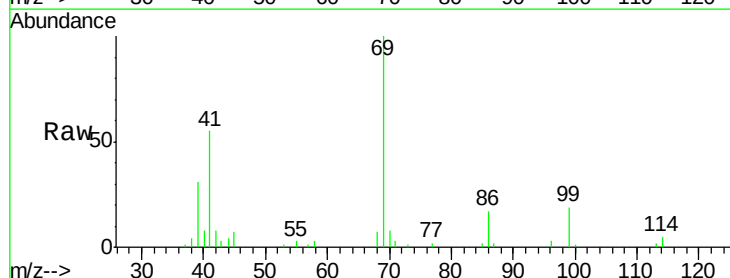
Manual Integrations
APPROVED

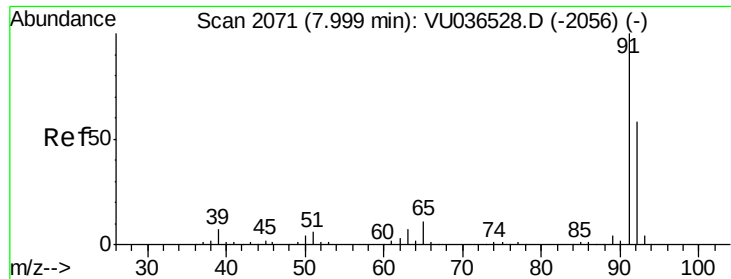
apatel
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#48
Ethyl methacrylate
Concen: 1.757 ug/l
RT: 8.37 min Scan# 2186
Delta R.T. -0.00 min
Lab File: VU036526.D
Acq: 22 Jan 2020 15:19

Tgt Ion:	69	Resp:	18523
Ion	Ratio	Lower	Upper
69	100		
41	55.5	27.9	83.6





#49

Toluene

Concen: 1.794 ug/l

RT: 8.00 min Scan# 2071

Delta R.T. -0.00 min

Lab File: VU036526.D

Acq: 22 Jan 2020 15:19

Instrument :

MSVOA_U

ClientSampled :

VSTDIC002

Tot Ion: 92 Resp: 46147

Ion Ratio Lower Upper

92 100

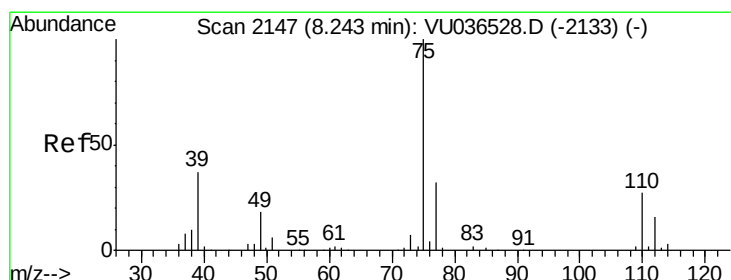
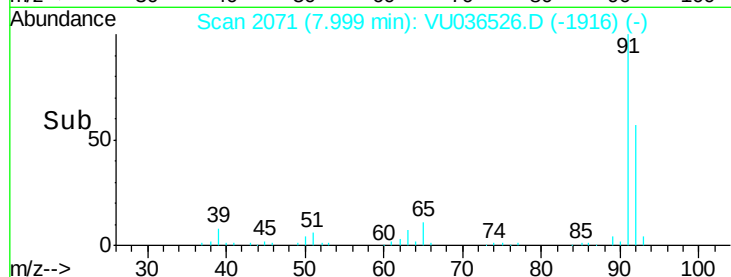
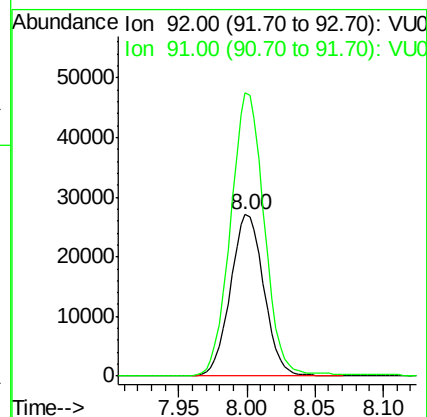
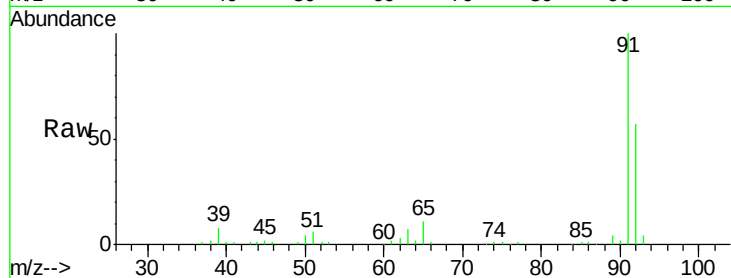
91 177.4 139.1 208.7

Manual Integrations

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#50

t-1,3-Dichloropropene

Concen: 1.553 ug/l

RT: 8.24 min Scan# 2147

Delta R.T. -0.00 min

Lab File: VU036526.D

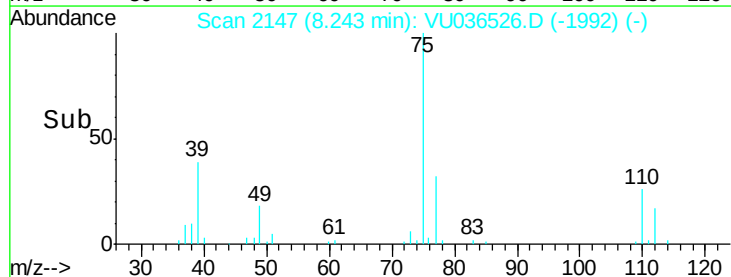
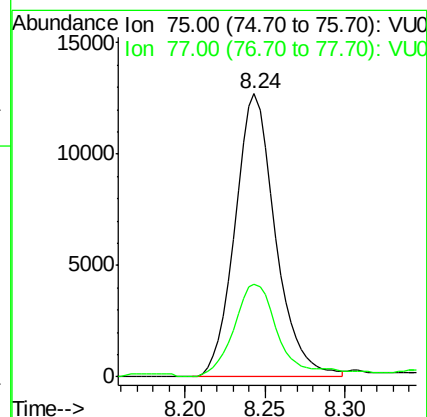
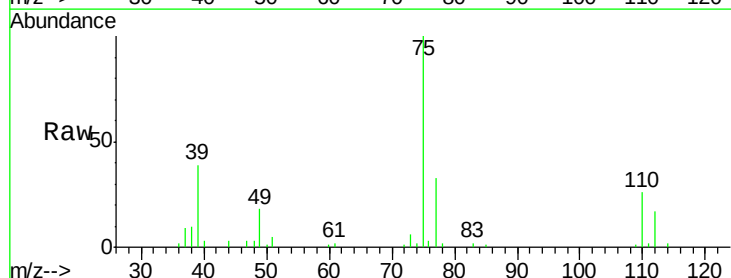
Acq: 22 Jan 2020 15:19

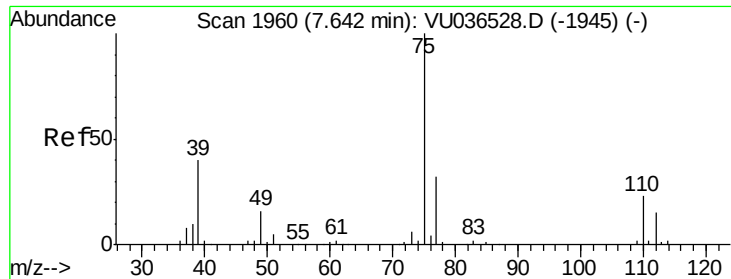
Tgt Ion: 75 Resp: 21948

Ion Ratio Lower Upper

75 100

77 32.8 25.4 38.2





#51

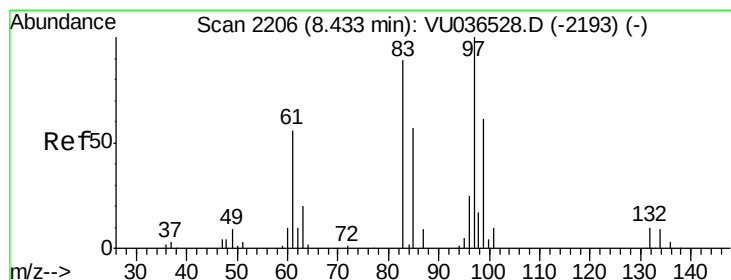
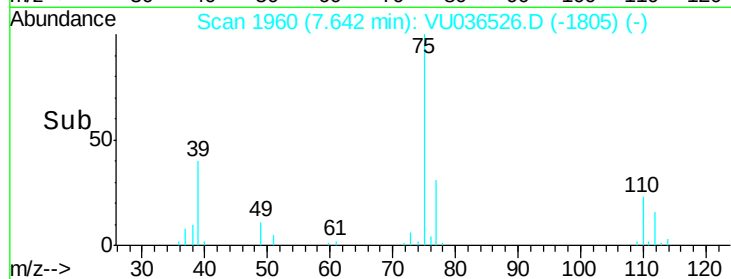
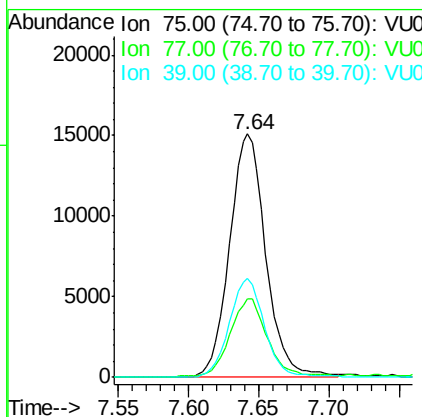
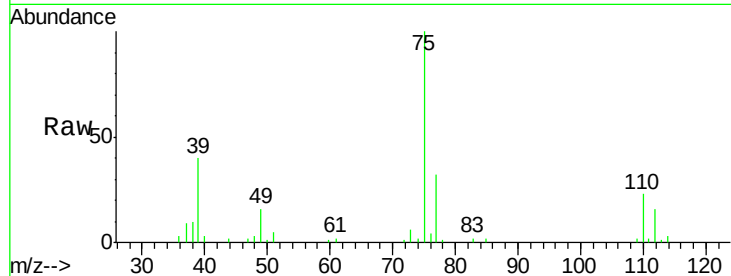
cis-1,3-Dichloropropene
Concen: 1.665 ug/l
RT: 7.64 min Scan# 1960
Delta R.T. -0.00 min
Lab File: VU036526.D
Acq: 22 Jan 2020 15:19

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.3	37.9
39	40.4	31.8	47.6

Manual Integrations
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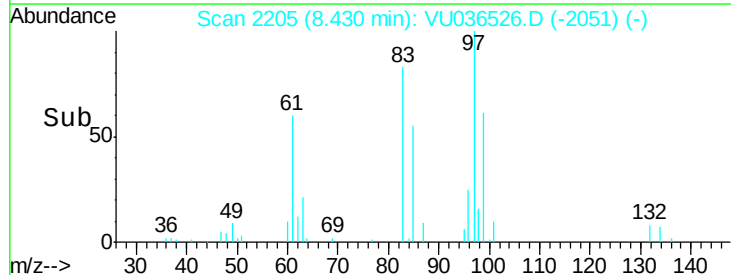
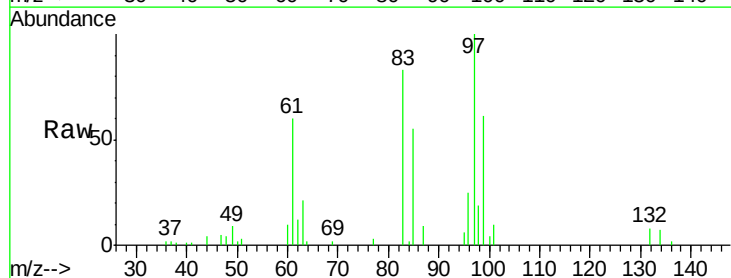
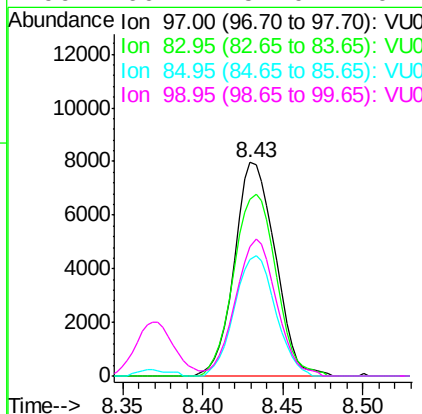
apatel
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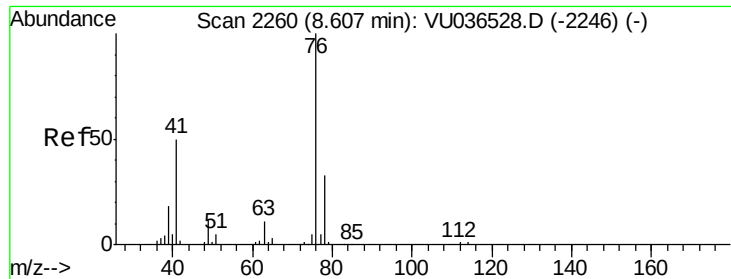


#52

1,1,2-Trichloroethane
Concen: 1.866 ug/l
RT: 8.43 min Scan# 2205
Delta R.T. -0.00 min
Lab File: VU036526.D
Acq: 22 Jan 2020 15:19

Tgt Ion	Ratio	Lower	Upper
97	100		
83	82.8	70.9	106.3
85	54.7	45.6	68.4
99	60.7	51.0	76.4





#53

1,3-Dichloropropane

Concen: 1.708 ug/l

RT: 8.61 min Scan# 2260

Delta R.T. -0.00 min

Lab File: VU036526.D

Acq: 22 Jan 2020 15:19

Instrument :

MSVOA_U

ClientSampled :

VSTDIC002

Tot Ion: 76 Resp: 23646

Ion Ratio Lower Upper

76 100

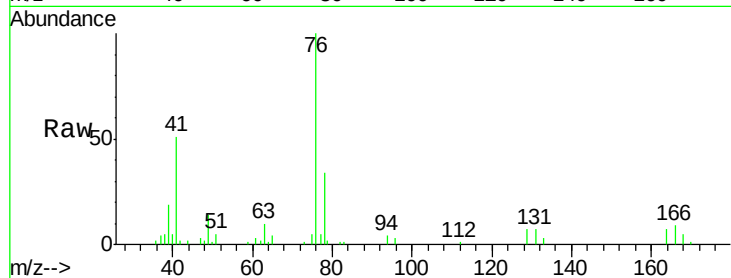
78 33.8 25.4 38.2

Manual Integrations

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Abundance Ion 76.00 (75.70 to 76.70): VU036526.D (-2105) (-)

Ion 78.00 (77.70 to 78.70): VU036526.D (-2105) (-)

15000

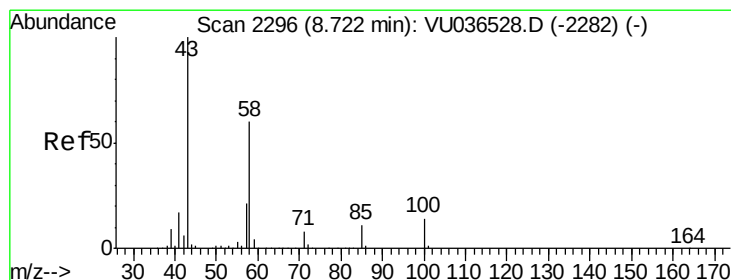
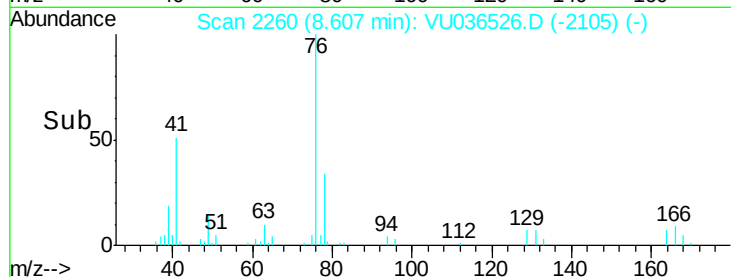
10000

5000

0

8.55 8.60 8.65 8.70

Time-->



#54

2-Hexanone

Concen: 7.194 ug/l

RT: 8.73 min Scan# 2297

Delta R.T. 0.00 min

Lab File: VU036526.D

Acq: 22 Jan 2020 15:19

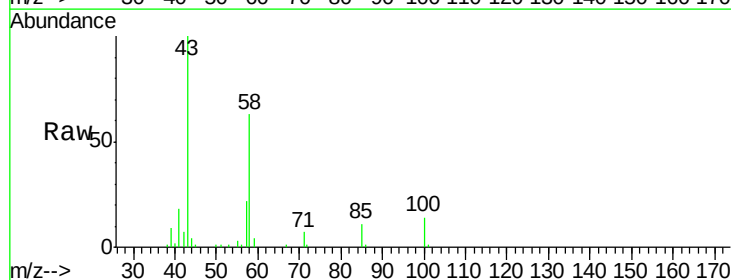
Tgt Ion: 43 Resp: 38311

Ion Ratio Lower Upper

43 100

58 60.8 40.6 80.6

57 21.5 1.2 41.2



Abundance Ion 43.00 (42.70 to 43.70): VU036526.D (-2141) (-)

Ion 58.00 (57.70 to 58.70): VU036526.D (-2141) (-)

Ion 57.00 (56.70 to 57.70): VU036526.D (-2141) (-)

25000

20000

15000

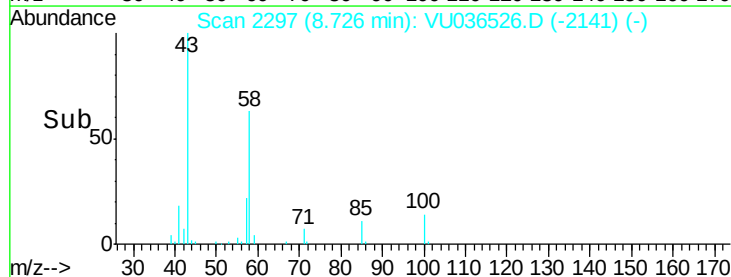
10000

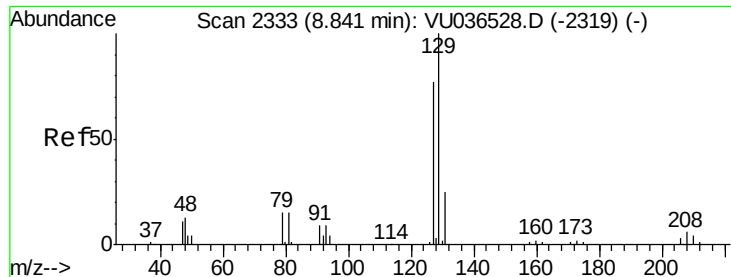
5000

0

8.70 8.73 8.76 8.79

Time-->





#55

Dibromochloromethane

Concen: 1.808 ug/l

RT: 8.84 min Scan# 2333

Delta R.T. -0.00 min

Lab File: VU036526.D

Acq: 22 Jan 2020 15:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion:129 Resp: 15704

Ion Ratio Lower Upper

129 100

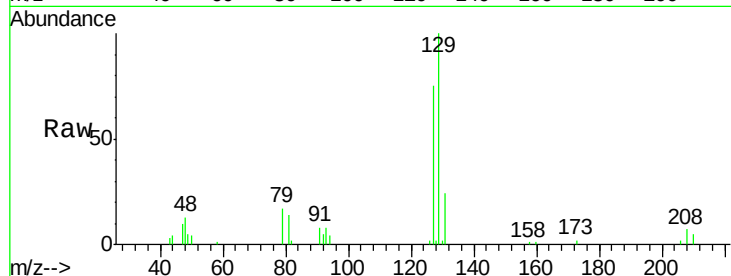
127 76.6 62.6 94.0

Manual Integrations

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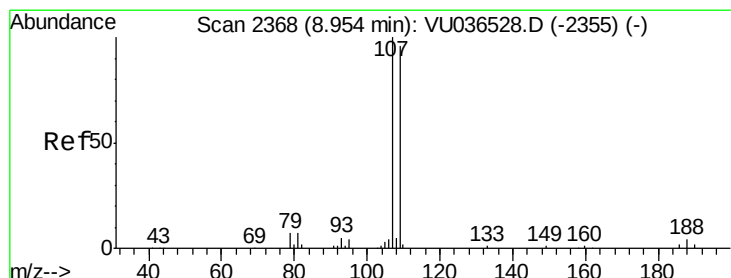
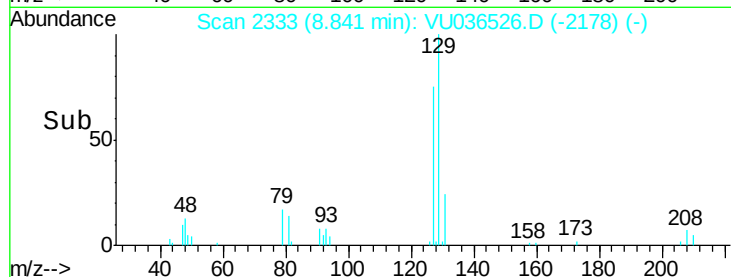
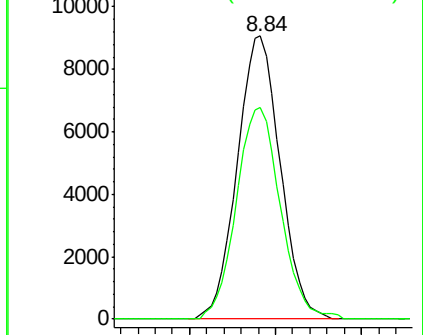
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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 1.864 ug/l

RT: 8.95 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VU036526.D

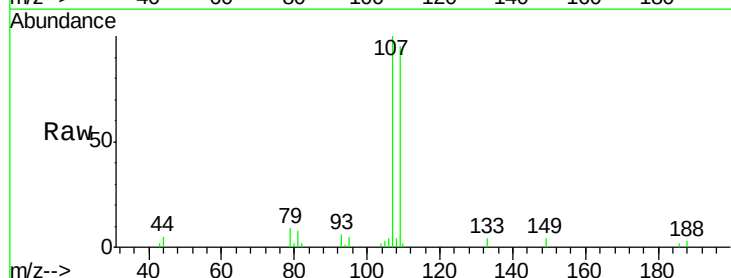
Acq: 22 Jan 2020 15:19

Tgt Ion:107 Resp: 13591

Ion Ratio Lower Upper

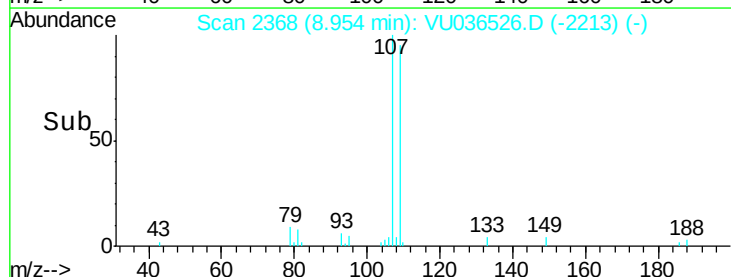
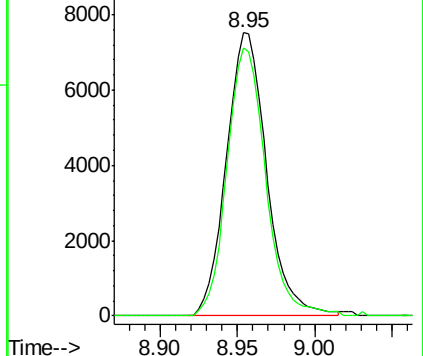
107 100

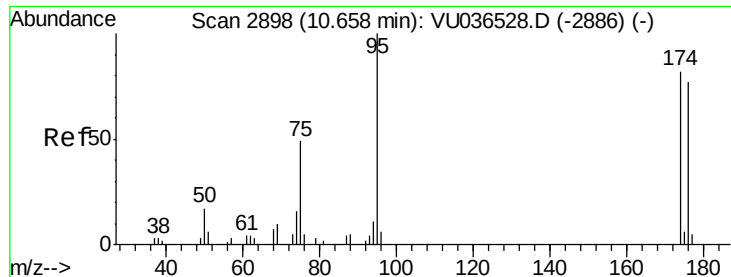
109 90.8 0.0 190.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





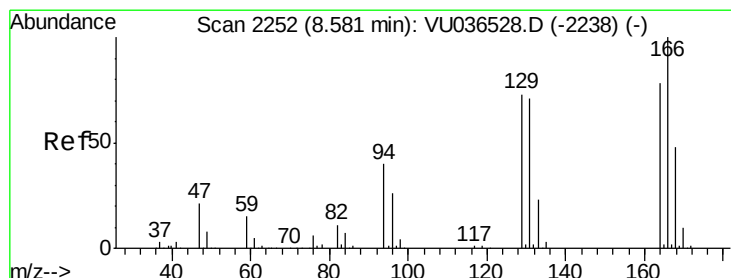
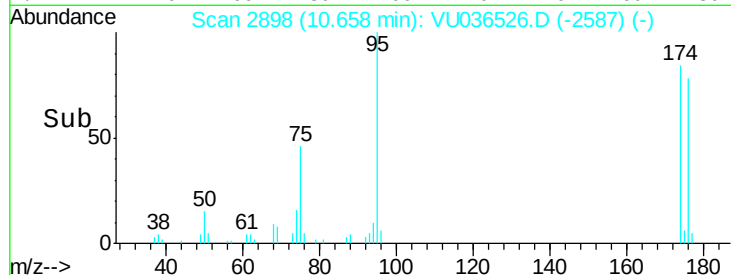
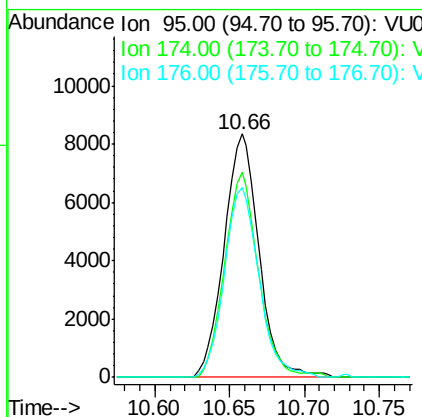
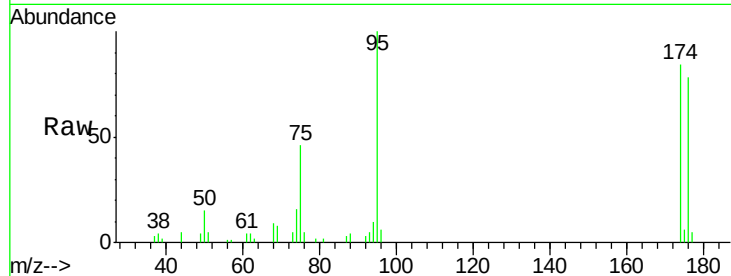
#57
4-Bromofluorobenzene
Concen: 0.979 ug/l
RT: 10.66 min Scan# 2898
Delta R.T. -0.00 min
Lab File: VU036526.D
Acq: 22 Jan 2020 15:19

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Resp	Lower	Upper
95	100	13575		
174	80.7	64.7	97.1	
176	77.6	60.6	91.0	

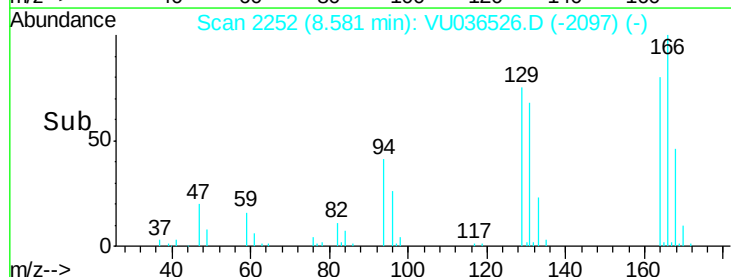
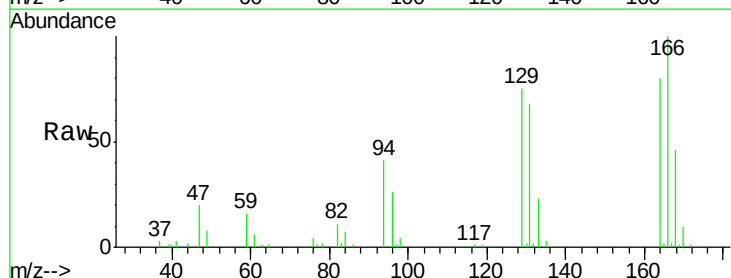
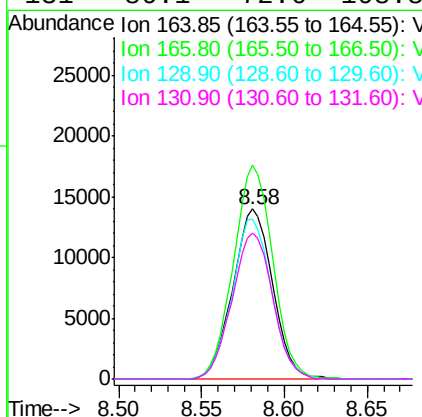
Manual Integrations
APPROVED

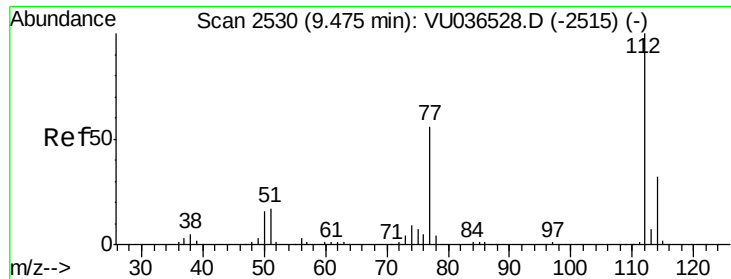
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#58
Tetrachloroethene
Concen: 2.799 ug/l
RT: 8.58 min Scan# 2252
Delta R.T. -0.00 min
Lab File: VU036526.D
Acq: 22 Jan 2020 15:19

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	23284		
166	125.8	102.0	153.0	
129	94.6	74.9	112.3	
131	86.1	72.6	108.8	





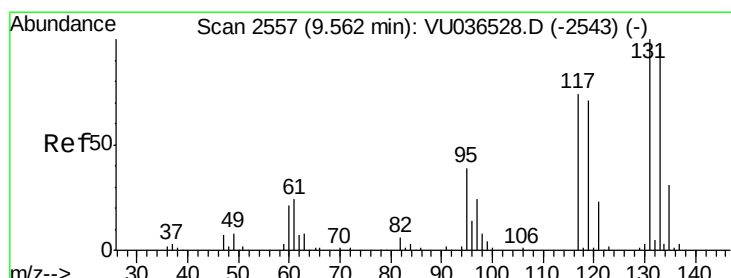
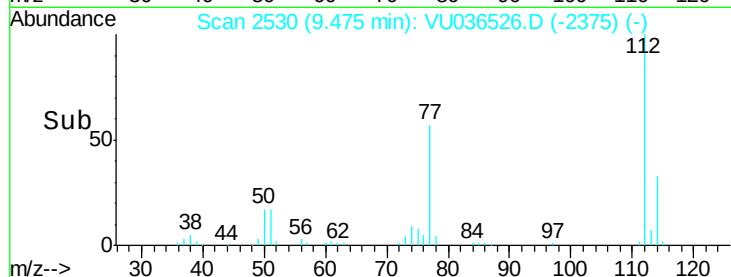
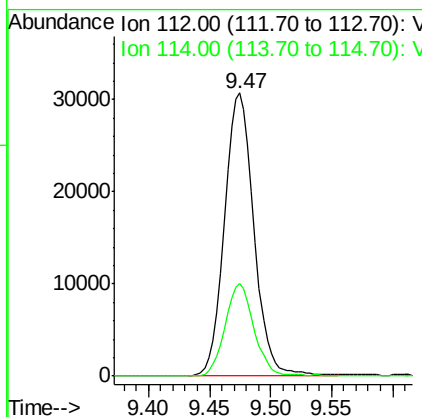
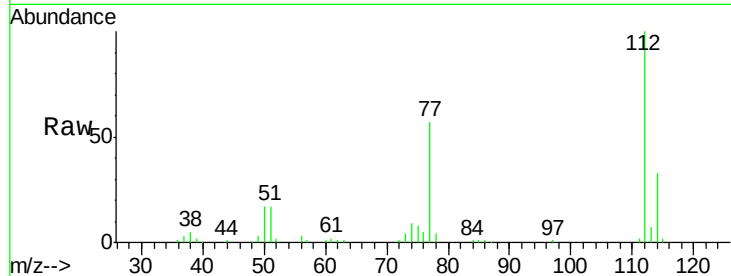
#59
Chlorobenzene
Concen: 1.923 ug/l
RT: 9.47 min Scan# 2530
Delta R.T. -0.00 min
Lab File: VU036526.D
Acq: 22 Jan 2020 15:19

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion:112 Resp: 52208
Ion Ratio Lower Upper
112 100
114 32.5 25.8 38.8

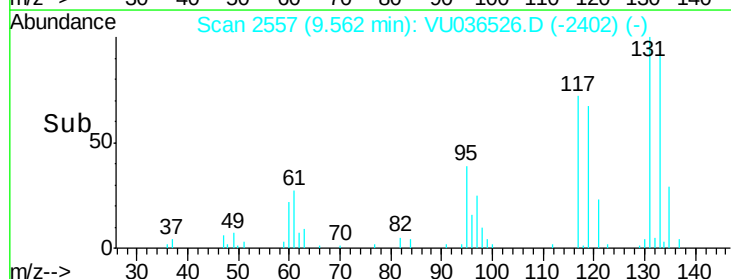
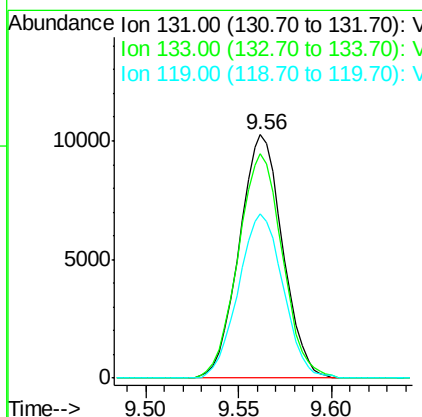
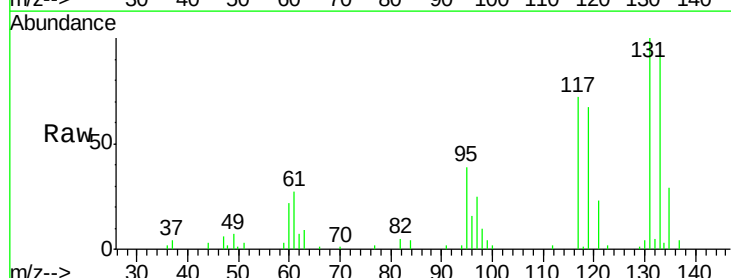
Manual Integrations
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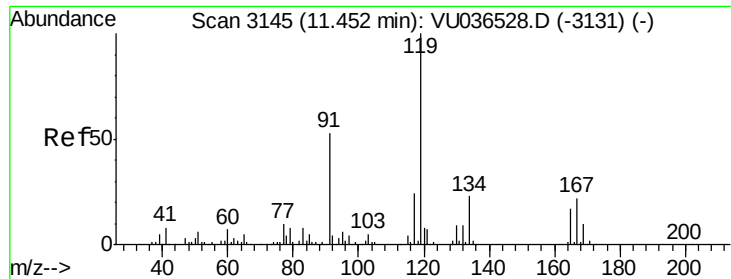
apatel
1/23/2020 3:21:29 PM



#60
1,1,1,2-Tetrachloroethane
Concen: 1.809 ug/l
RT: 9.56 min Scan# 2557
Delta R.T. -0.00 min
Lab File: VU036526.D
Acq: 22 Jan 2020 15:19

Tgt Ion:131 Resp: 16633
Ion Ratio Lower Upper
131 100
133 94.0 76.4 114.6
119 69.4 56.6 85.0





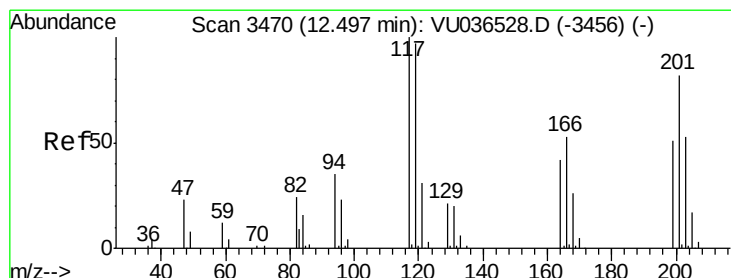
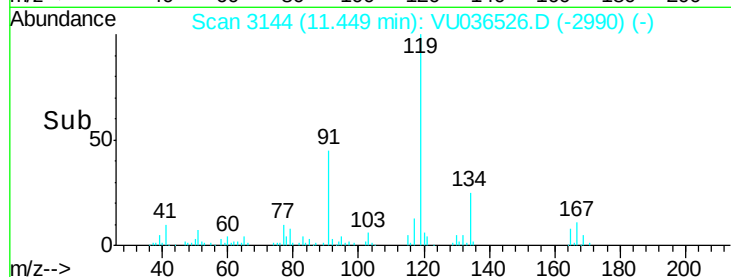
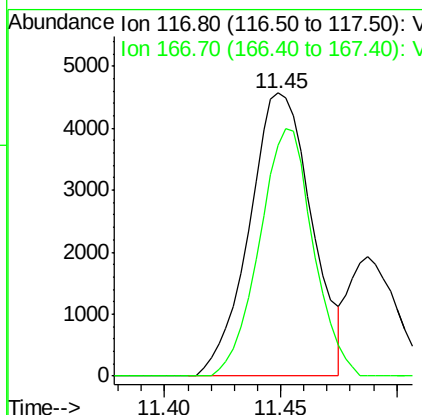
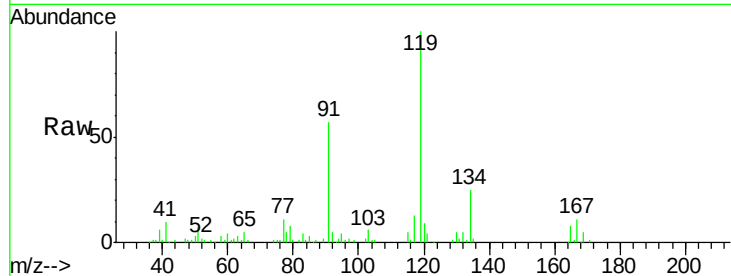
#61
 Pentachloroethane
 Concen: 1.131 ug/l
 RT: 11.45 min Scan# 3144
 Delta R.T. -0.00 min
 Lab File: VU036526.D
 Acq: 22 Jan 2020 15:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion:117 Resp: 8557
 Ion Ratio Lower Upper
 117 100
 167 75.1 66.7 100.1

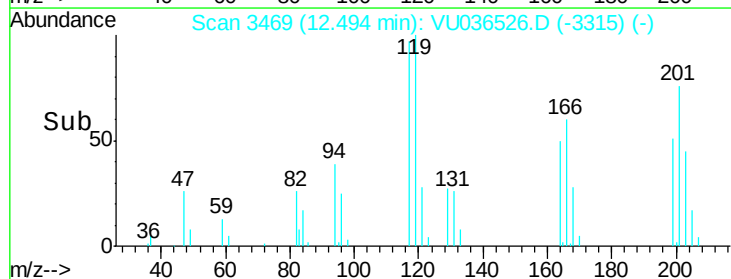
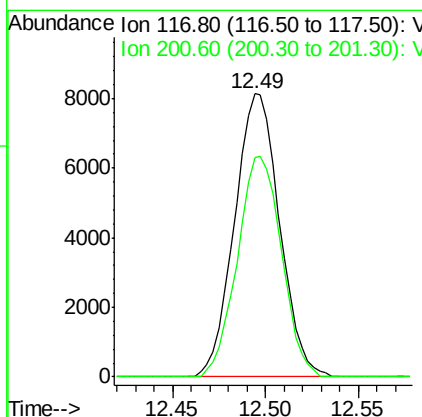
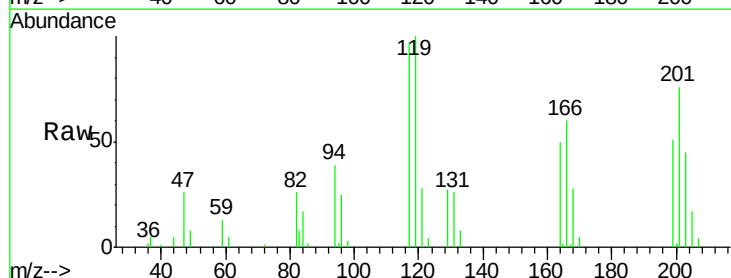
Manual Integrations
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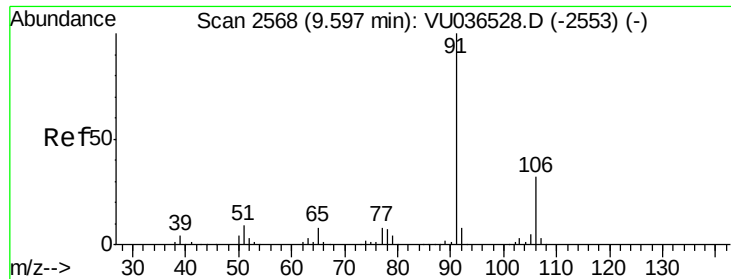
apatel
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#62
 Hexachloroethane
 Concen: 1.724 ug/l
 RT: 12.49 min Scan# 3469
 Delta R.T. -0.00 min
 Lab File: VU036526.D
 Acq: 22 Jan 2020 15:19

Tgt Ion:117 Resp: 13695
 Ion Ratio Lower Upper
 117 100
 201 76.3 65.0 97.4





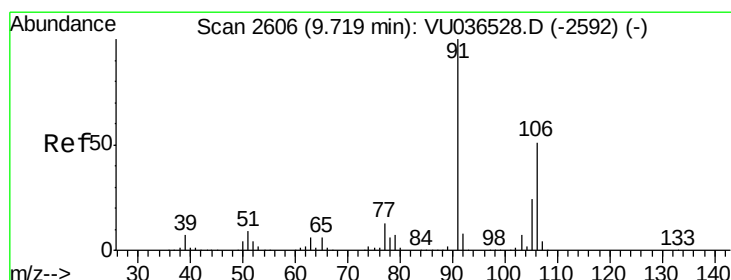
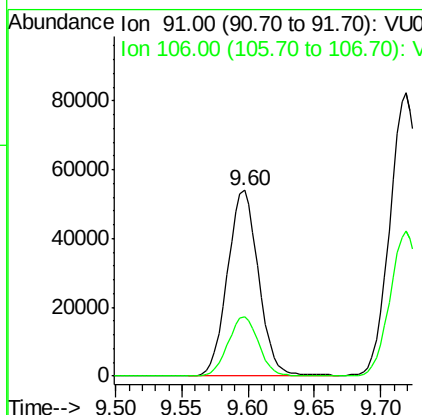
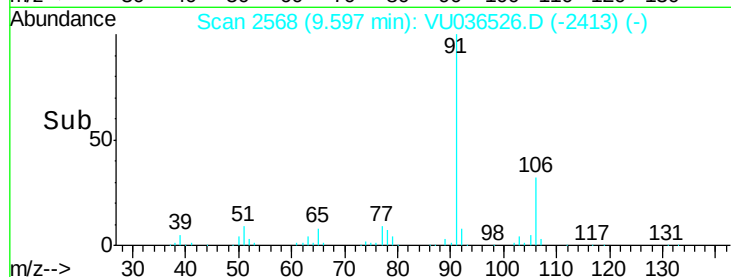
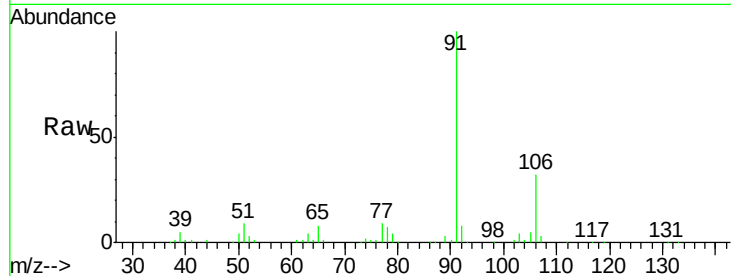
#63
Ethyl Benzene
Concen: 1.788 ug/l
RT: 9.60 min Scan# 2568
Delta R.T. -0.00 min
Lab File: VU036526.D
Acq: 22 Jan 2020 15:19

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion: 91 Resp: 88258
Ion Ratio Lower Upper
91 100
106 32.2 26.0 39.0

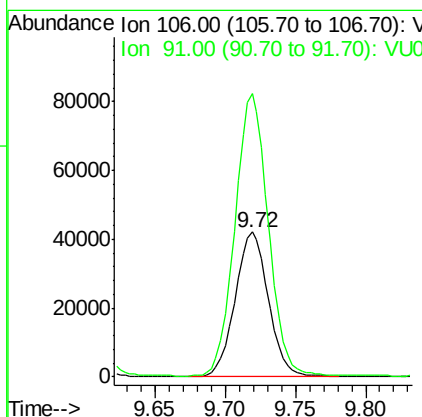
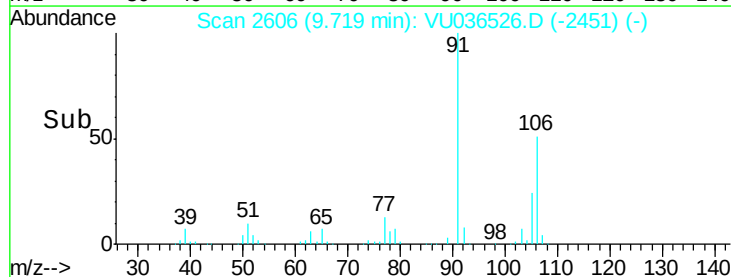
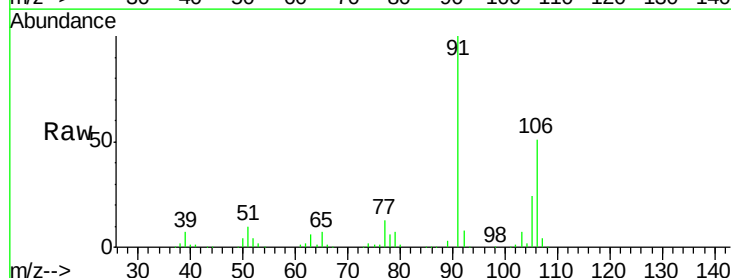
Manual Integrations
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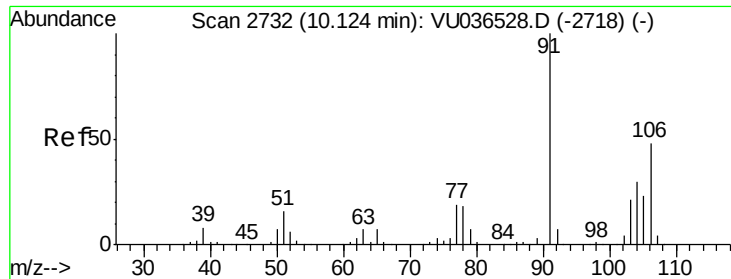
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#64
m/p-Xylenes
Concen: 3.833 ug/l
RT: 9.72 min Scan# 2606
Delta R.T. -0.00 min
Lab File: VU036526.D
Acq: 22 Jan 2020 15:19

Tgt Ion: 106 Resp: 69983
Ion Ratio Lower Upper
106 100
91 194.0 158.2 237.4





#65

o-Xylene

Concen: 1.882 ug/l

RT: 10.12 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU036526.D

Acq: 22 Jan 2020 15:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion:106 Resp: 33538

Ion Ratio Lower Upper

106 100

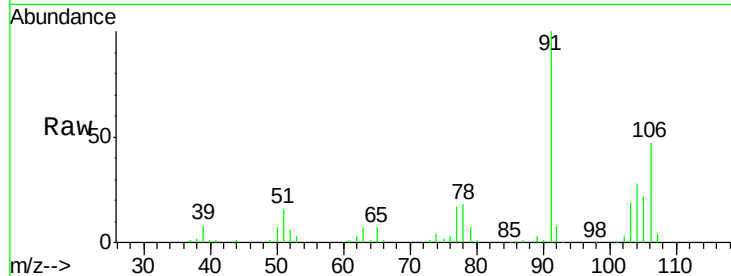
91 213.2 104.3 312.9

Manual Integrations

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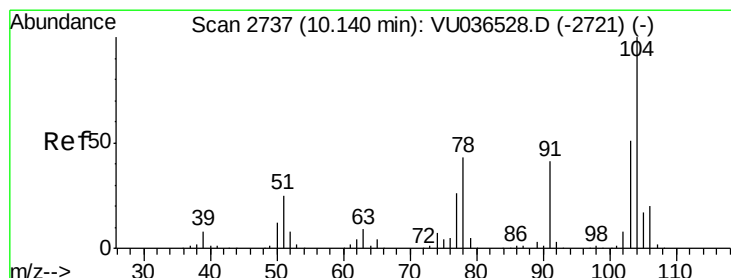
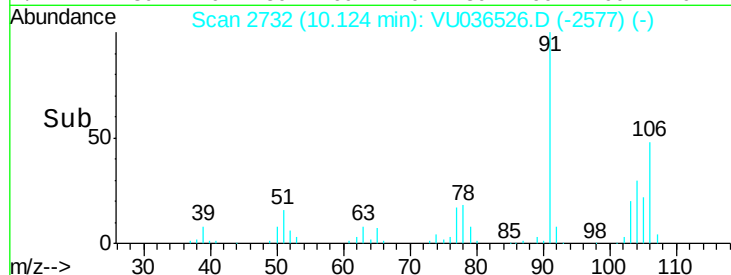
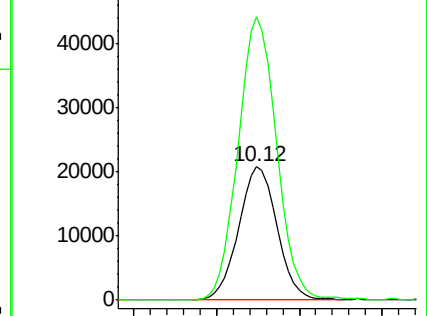
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#66

Styrene

Concen: 1.872 ug/l

RT: 10.14 min Scan# 2736

Delta R.T. -0.00 min

Lab File: VU036526.D

Acq: 22 Jan 2020 15:19

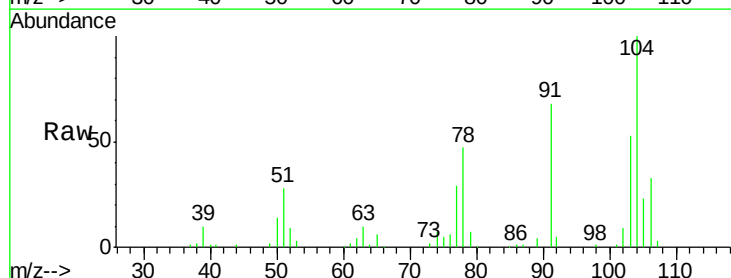
Tgt Ion:104 Resp: 55038

Ion Ratio Lower Upper

104 100

78 49.9 38.6 57.8

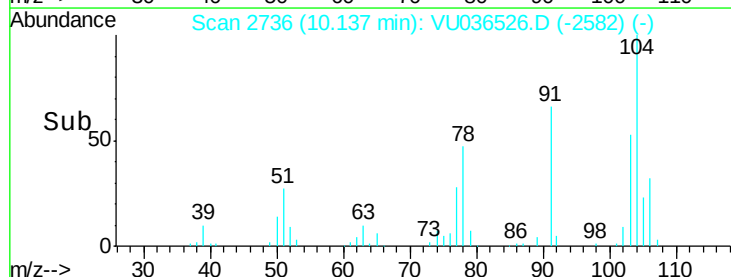
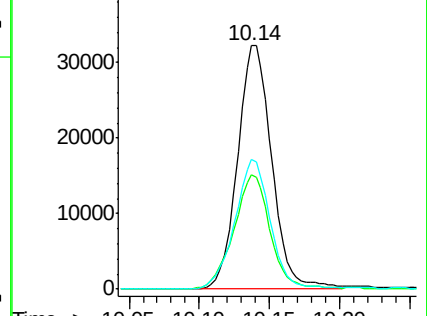
103 55.2 44.4 66.6

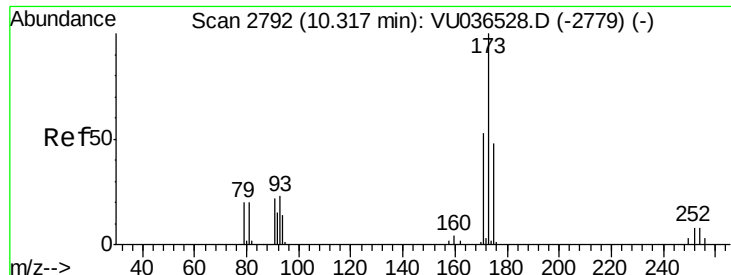


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): V





#67

Bromoform

Concen: 2.051 ug/l

RT: 10.32 min Scan# 2792

Delta R.T. -0.00 min

Lab File: VU036526.D

Acq: 22 Jan 2020 15:19

Instrument :

MSVOA_U

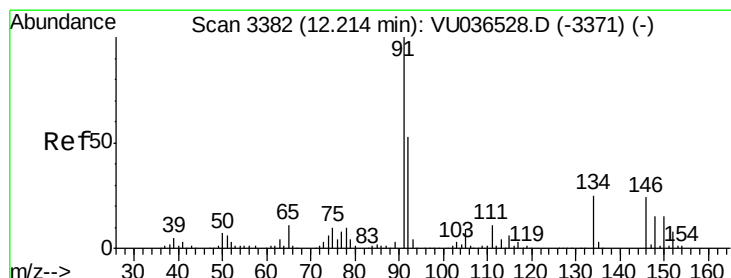
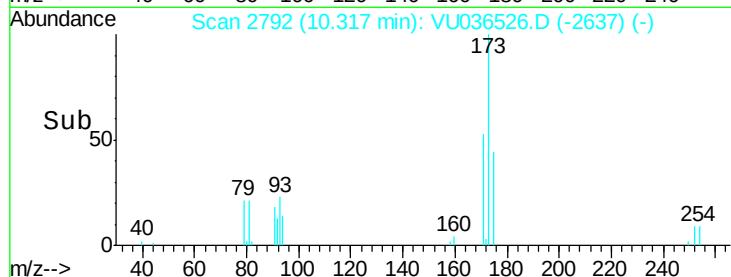
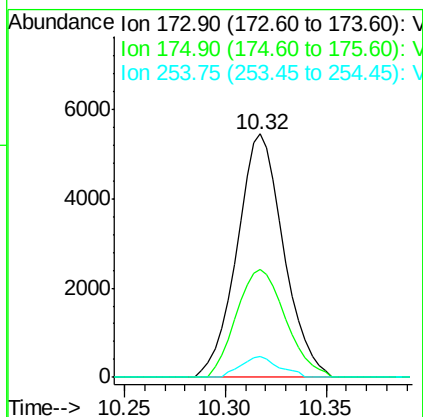
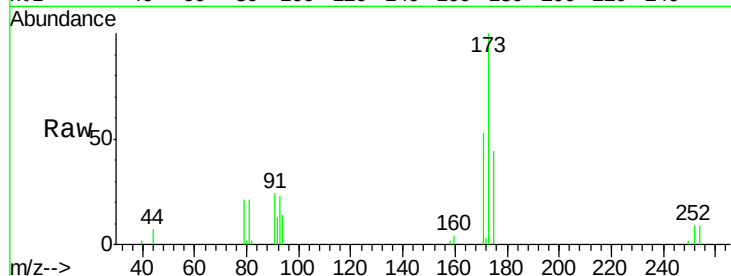
ClientSampleId :

VSTDIC002

Tot Ion:	173	Resp:	8821
Ion	Ratio	Lower	Upper
173	100		
175	46.8	38.3	57.5
254	7.1	6.6	9.8

Manual Integrations
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#68

1,2-Dichlorobenzene-d4

Concen: 1.115 ug/l

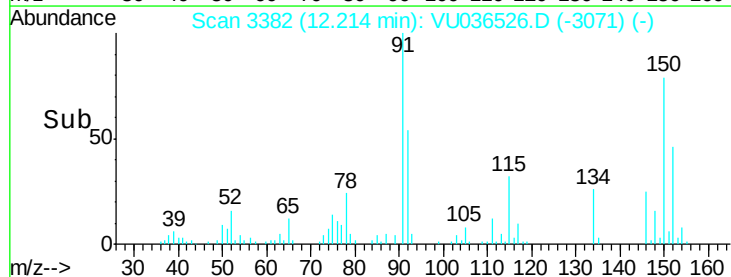
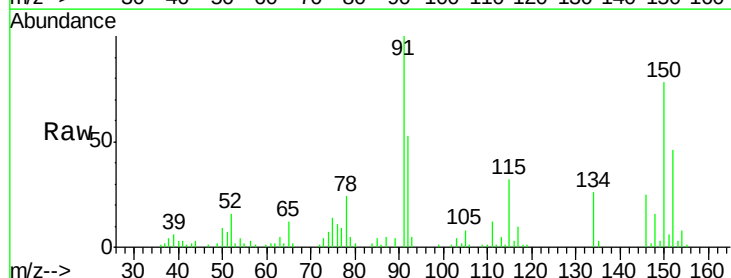
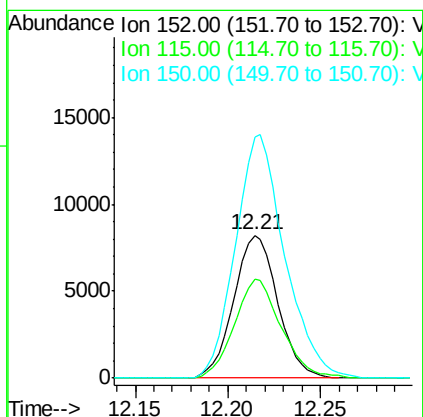
RT: 12.21 min Scan# 3382

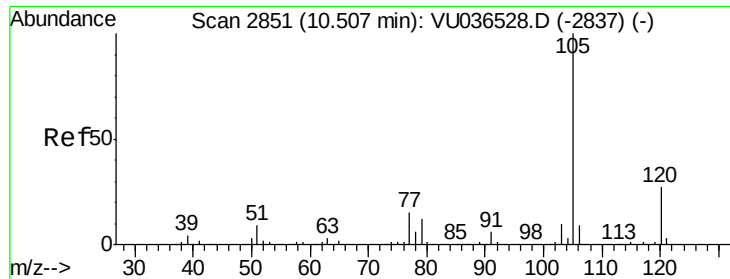
Delta R.T. -0.00 min

Lab File: VU036526.D

Acq: 22 Jan 2020 15:19

Tgt Ion:	152	Resp:	13538
Ion	Ratio	Lower	Upper
152	100		
115	73.5	0.0	241.8
150	191.0	0.0	652.4





#69

Isopropylbenzene

Concen: 1.839 ug/l

RT: 10.51 min Scan# 2851

Delta R.T. -0.00 min

Lab File: VU036526.D

Acq: 22 Jan 2020 15:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion:105 Resp: 88095

Ion Ratio Lower Upper

105 100

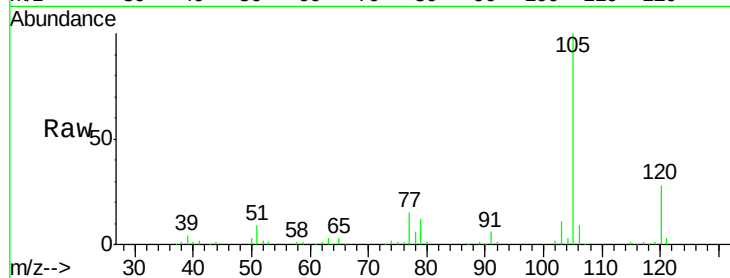
120 26.7 13.6 40.7

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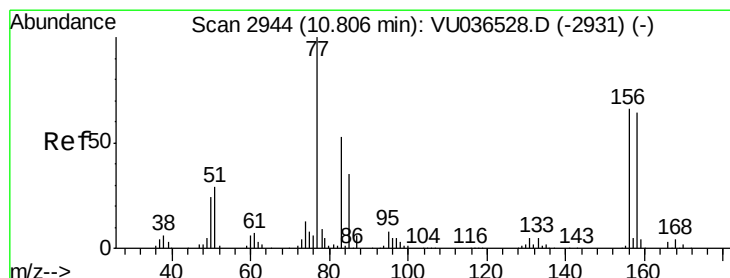
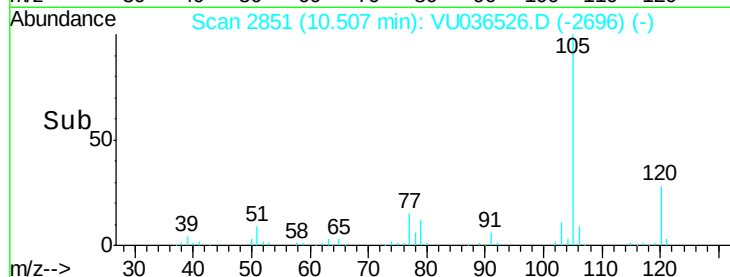
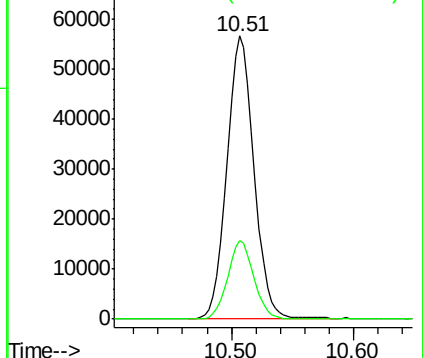
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#70

1,1,2,2-Tetrachloroethane

Concen: 1.745 ug/l

RT: 10.81 min Scan# 2945

Delta R.T. 0.00 min

Lab File: VU036526.D

Acq: 22 Jan 2020 15:19

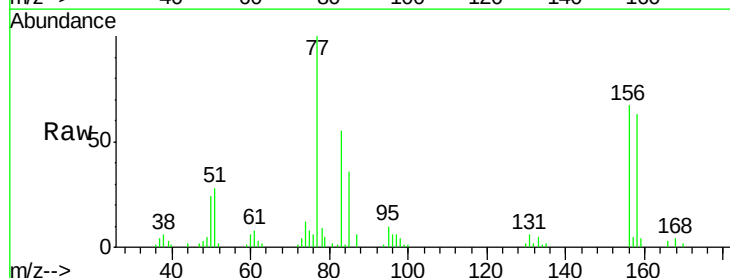
Tgt Ion: 83 Resp: 17440

Ion Ratio Lower Upper

83 100

131 9.9 7.8 11.8

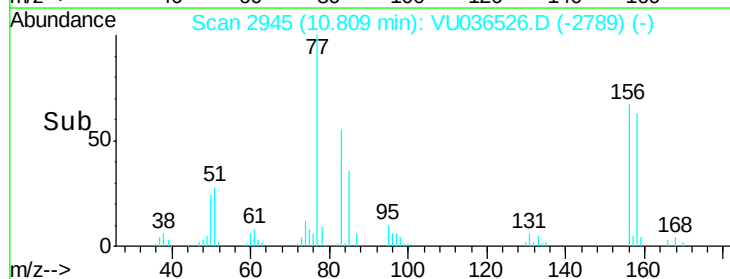
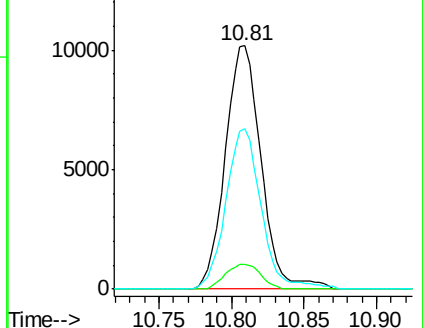
85 64.7 53.2 79.8

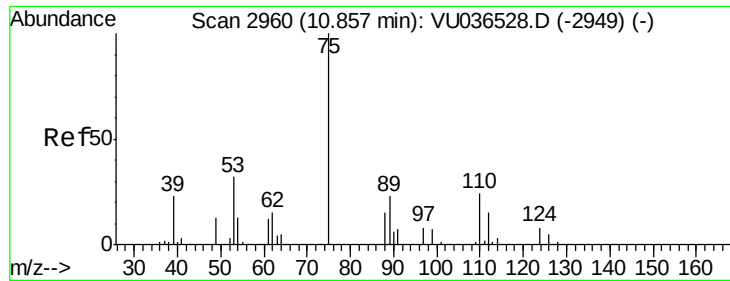


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0





#71

1,2,3-Trichloropropane

Concen: 1.690 ug/l m

RT: 10.85 min Scan# 2959

Delta R.T. -0.00 min

Lab File: VU036526.D

Acq: 22 Jan 2020 15:19

Instrument :

MSVOA_U

ClientSampleId :

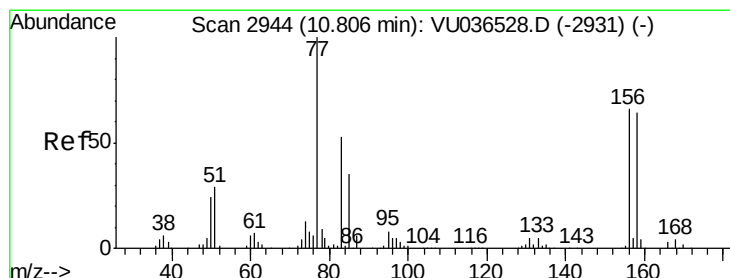
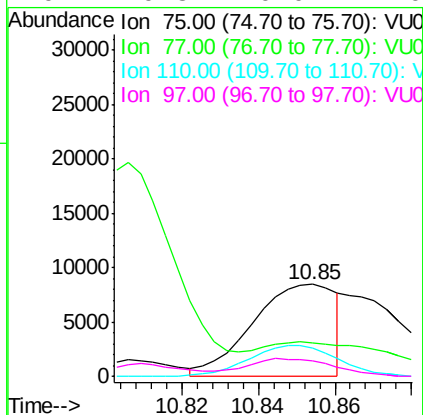
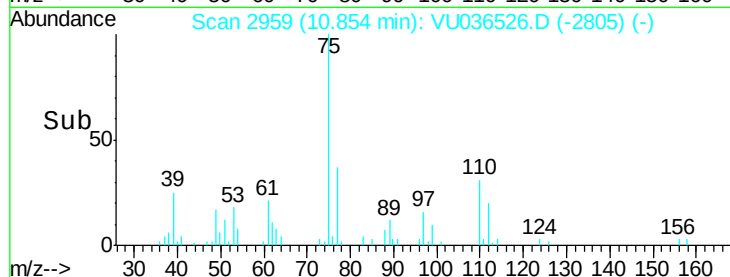
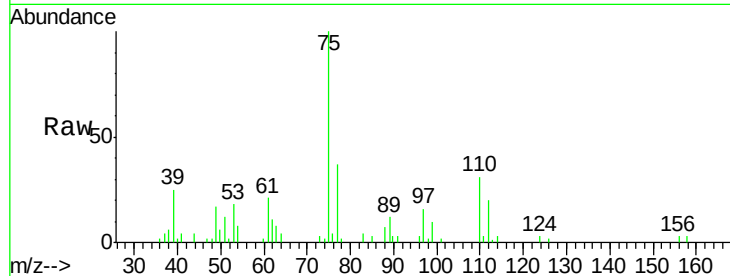
VSTDIC002

Tot Ion:	75	Resp:	12882
Ion	Ratio	Lower	Upper
75	100		
77	58.4	0.0	129.6
110	35.2	0.0	77.4
97	19.8	0.0	42.0

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#72

Bromobenzene

Concen: 2.097 ug/l

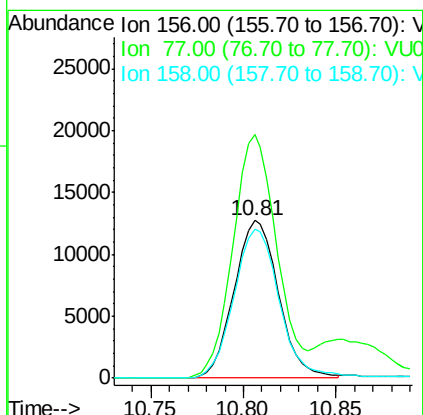
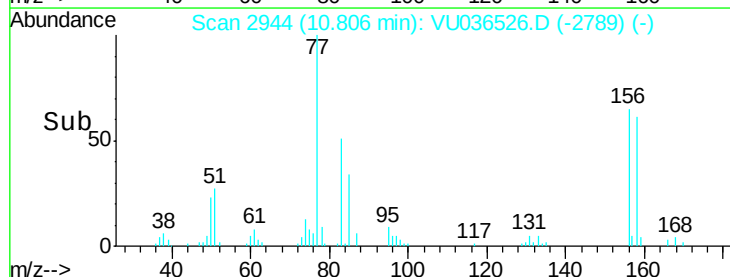
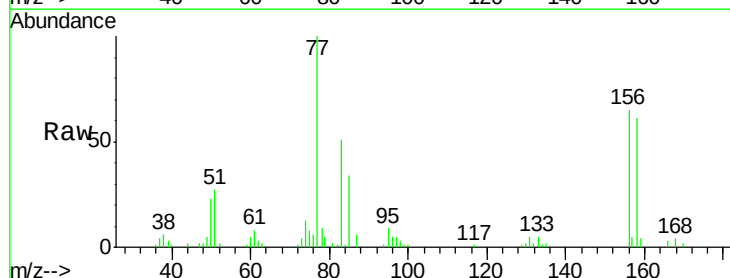
RT: 10.81 min Scan# 2944

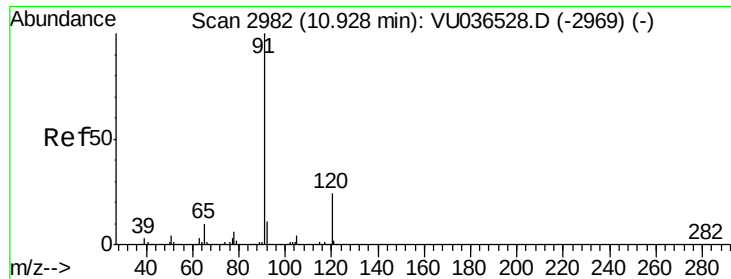
Delta R.T. -0.00 min

Lab File: VU036526.D

Acq: 22 Jan 2020 15:19

Tgt Ion:	156	Resp:	21261
Ion	Ratio	Lower	Upper
156	100		
77	152.6	0.0	306.6
158	96.9	0.0	192.0





#73

n-propylbenzene

Concen: 1.950 ug/l

RT: 10.93 min Scan# 2982

Delta R.T. -0.00 min

Lab File: VU036526.D

Acq: 22 Jan 2020 15:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion:120 Resp: 25048

Ion Ratio Lower Upper

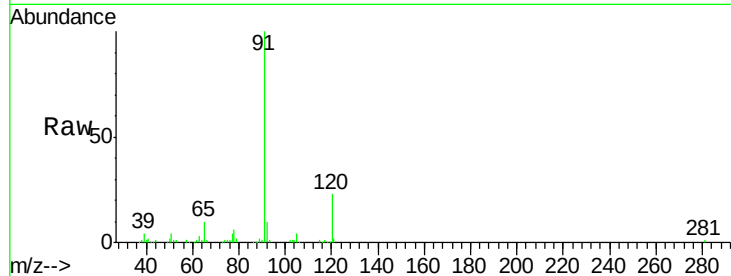
120 100

91 422.6 329.5 494.3

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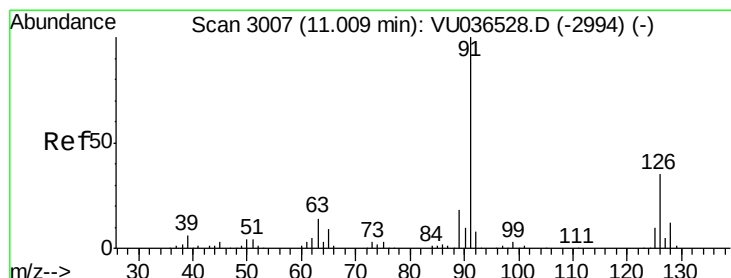
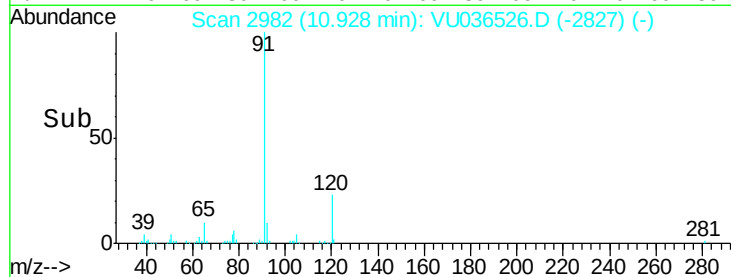
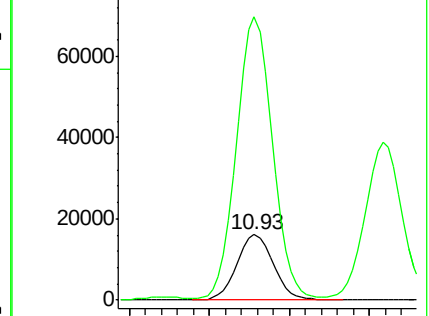
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Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 1.983 ug/l

RT: 11.01 min Scan# 3007

Delta R.T. -0.00 min

Lab File: VU036526.D

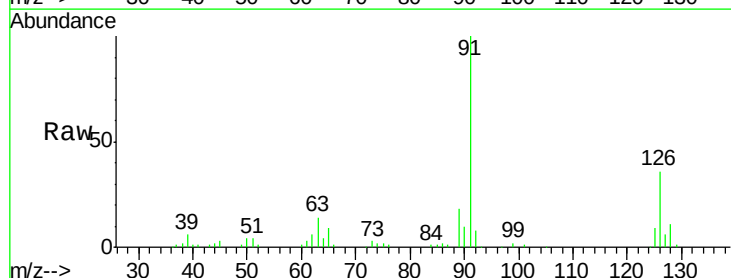
Acq: 22 Jan 2020 15:19

Tgt Ion:126 Resp: 21848

Ion Ratio Lower Upper

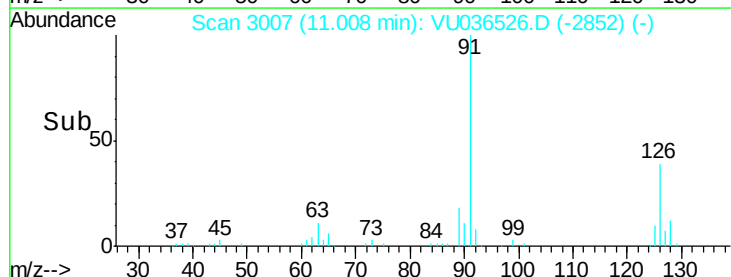
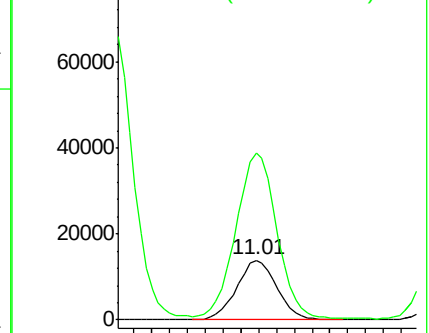
126 100

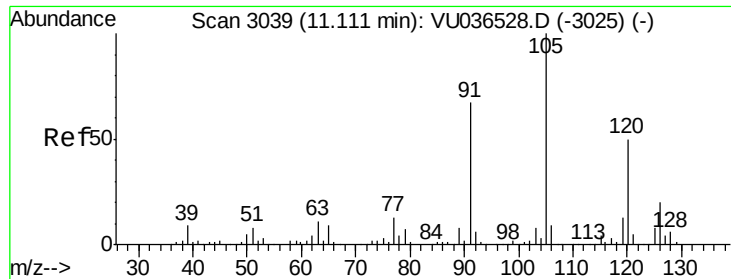
91 284.7 0.0 567.4



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: 1.856 ug/l

RT: 11.11 min Scan# 3039

Delta R.T. -0.00 min

Lab File: VU036526.D

Acq: 22 Jan 2020 15:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion:105 Resp: 75432

Ion Ratio Lower Upper

105 100

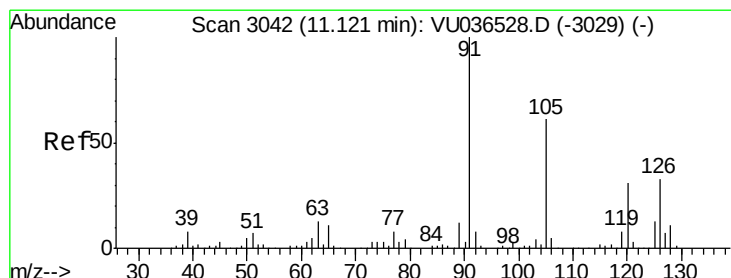
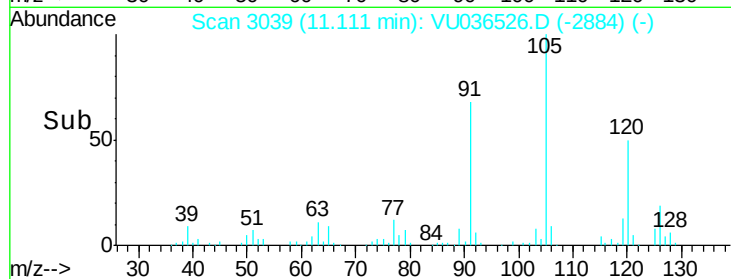
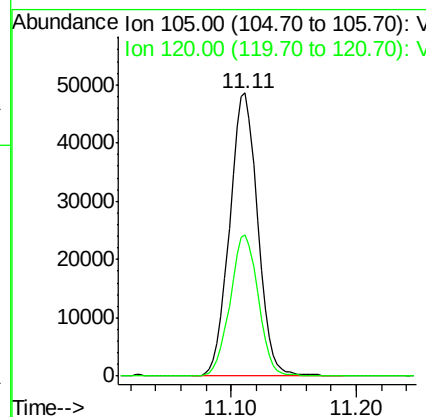
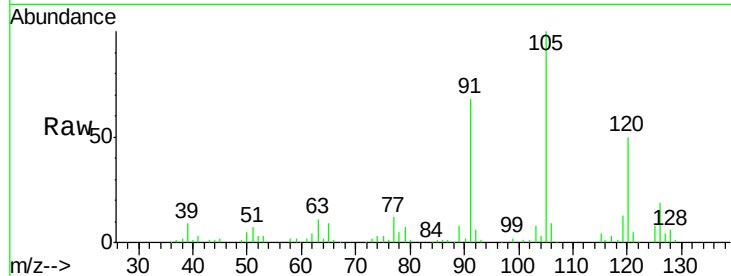
120 50.0 39.8 59.8

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#76

4-Chlorotoluene

Concen: 1.964 ug/l

RT: 11.12 min Scan# 3042

Delta R.T. -0.00 min

Lab File: VU036526.D

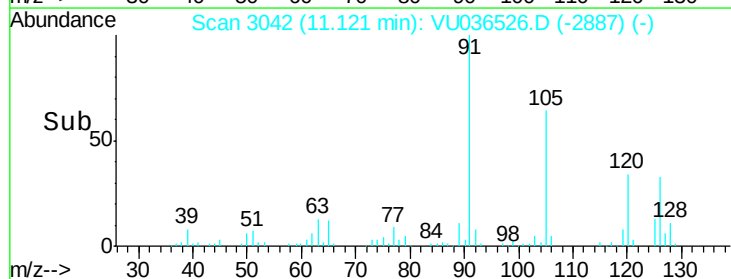
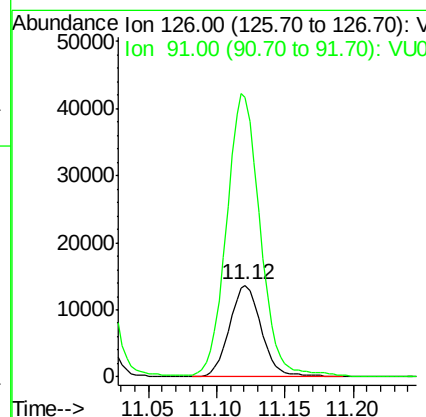
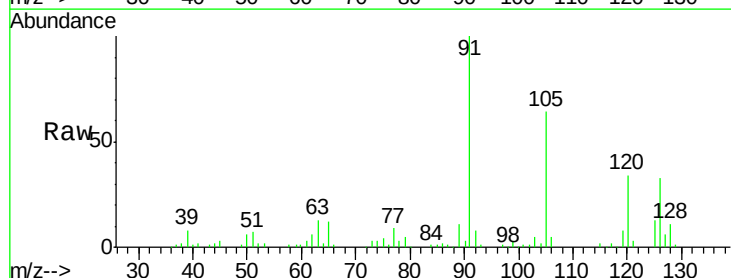
Acq: 22 Jan 2020 15:19

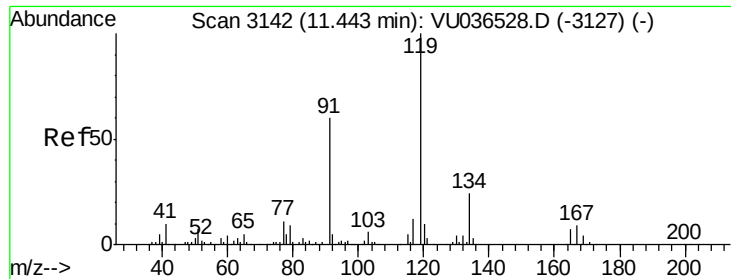
Tgt Ion:126 Resp: 22278

Ion Ratio Lower Upper

126 100

91 326.7 0.0 633.0





#77

tert-Butylbenzene

Concen: 1.818 ug/l

RT: 11.44 min Scan# 3142

Delta R.T. -0.00 min

Lab File: VU036526.D

Acq: 22 Jan 2020 15:19

Instrument :

MSVOA_U

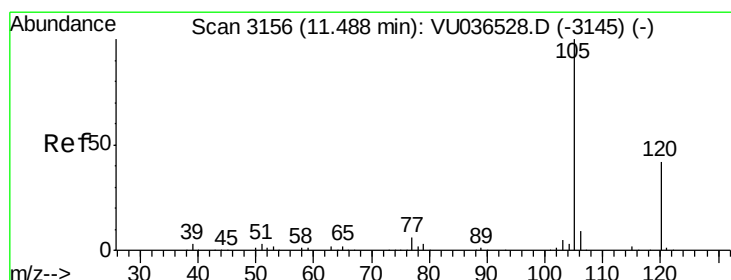
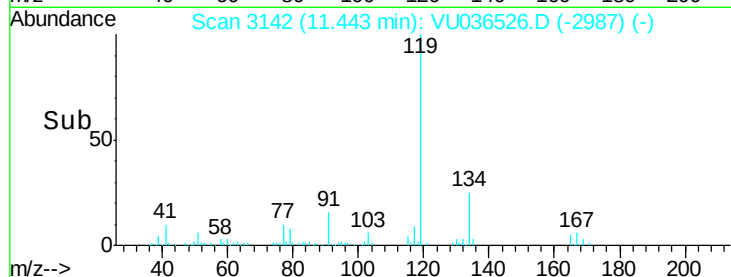
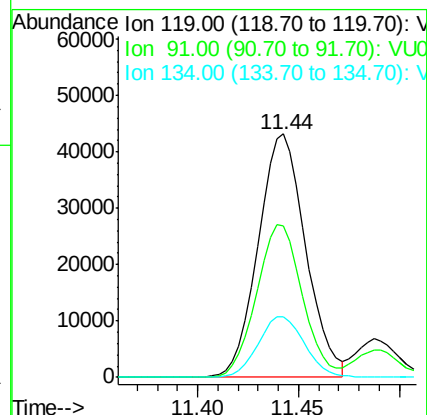
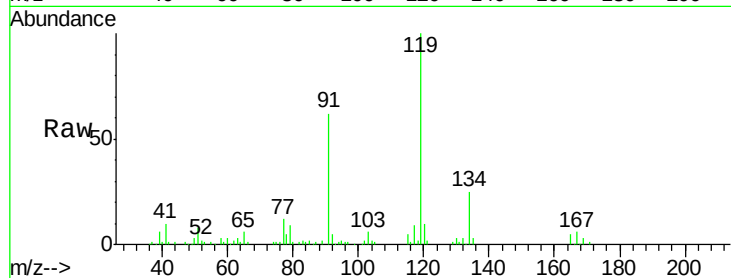
ClientSampleId :

VSTDIC002

Tot Ion:	119	Resp:	70783
Ion Ratio	Lower	Upper	
119	100		
91	60.6	29.3	87.8
134	24.5	19.0	28.4

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#78

1,2,4-Trimethylbenzene

Concen: 1.870 ug/l

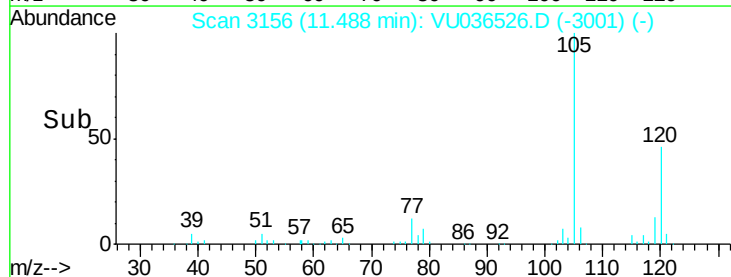
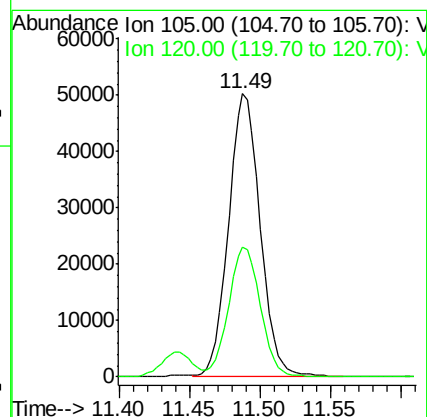
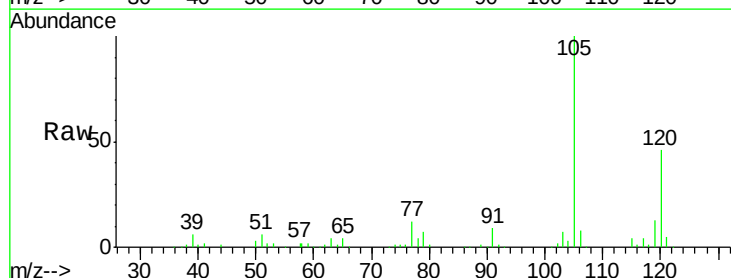
RT: 11.49 min Scan# 3156

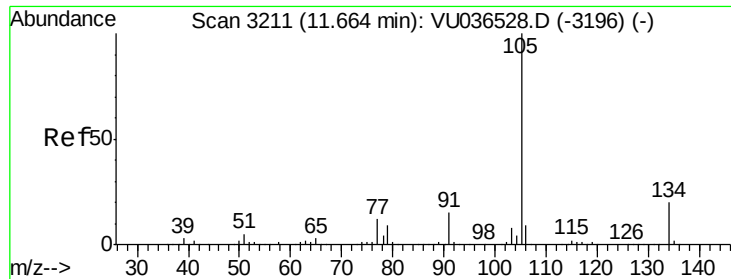
Delta R.T. -0.00 min

Lab File: VU036526.D

Acq: 22 Jan 2020 15:19

Tgt Ion:	105	Resp:	78725
Ion Ratio	Lower	Upper	
105	100		
120	46.1	23.3	69.8





#79

sec-Butylbenzene

Concen: 1.872 ug/l

RT: 11.66 min Scan# 3211

Delta R.T. -0.00 min

Lab File: VU036526.D

Acq: 22 Jan 2020 15:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 105 Resp: 101173

Ion Ratio Lower Upper

105 100

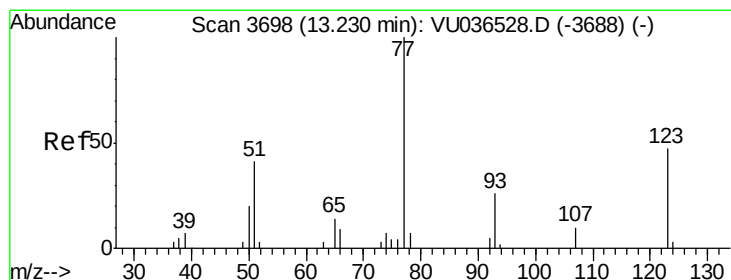
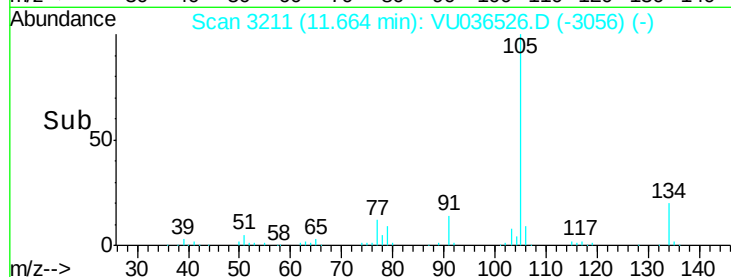
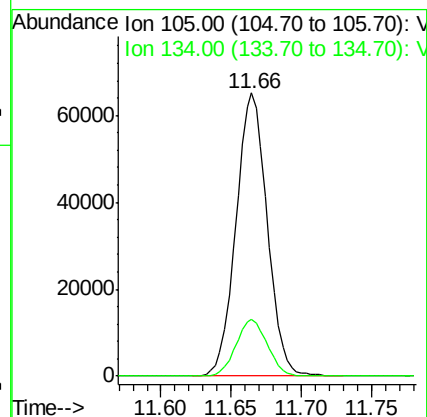
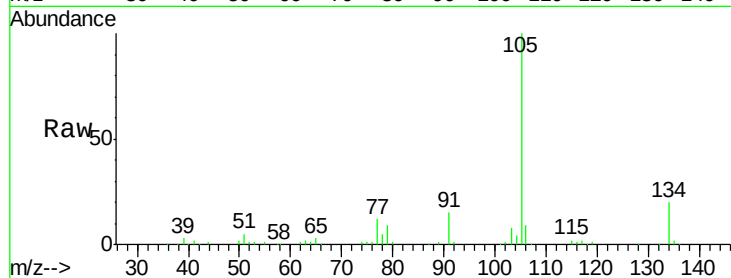
134 20.1 16.0 24.0

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#80

Nitrobenzene

Concen: 5.216 ug/l

RT: 13.24 min Scan# 3700

Delta R.T. 0.01 min

Lab File: VU036526.D

Acq: 22 Jan 2020 15:19

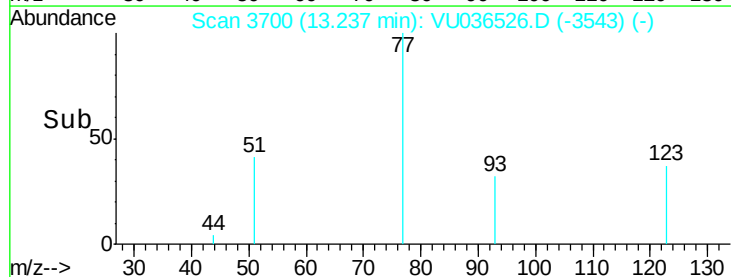
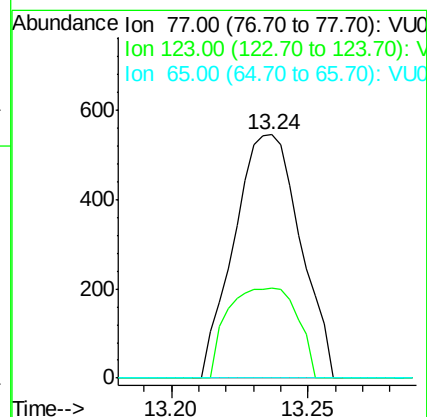
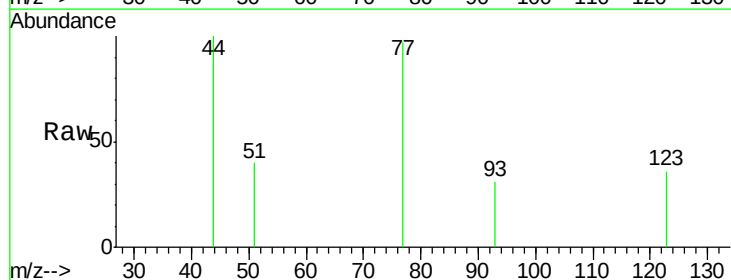
Tgt Ion: 77 Resp: 914

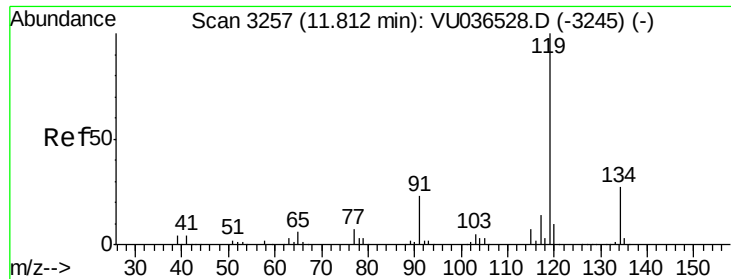
Ion Ratio Lower Upper

77 100

123 38.9 19.6 69.6

65 0.0 12.7 16.1#





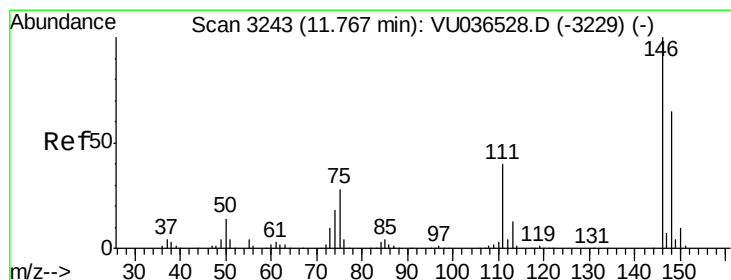
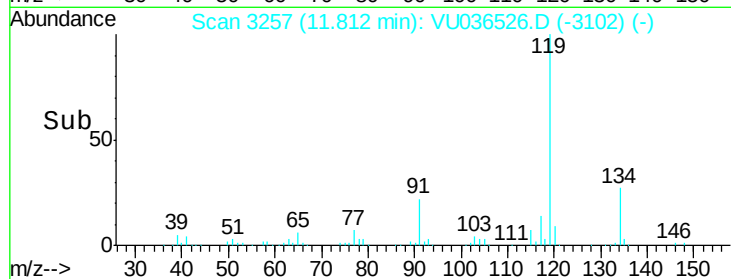
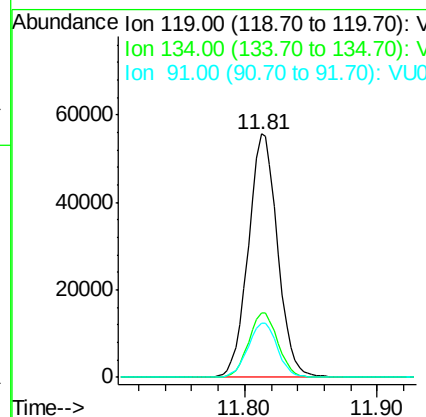
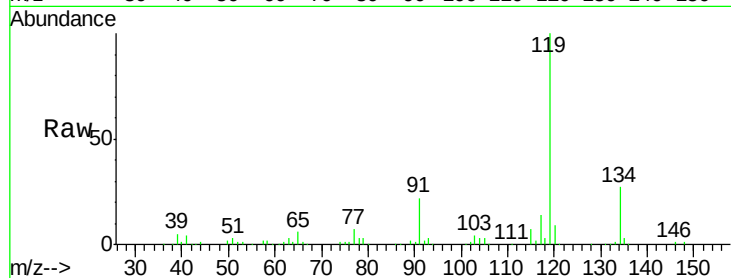
#81
 p-Isopropyltoluene
 Concen: 1.974 ug/l
 RT: 11.81 min Scan# 3257
 Delta R.T. -0.00 min
 Lab File: VU036526.D
 Acq: 22 Jan 2020 15:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.8	21.4	32.0
91	22.6	18.3	27.5

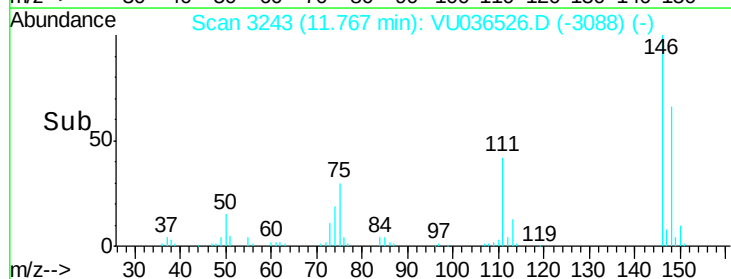
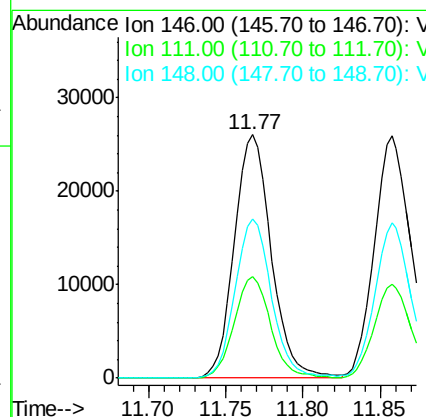
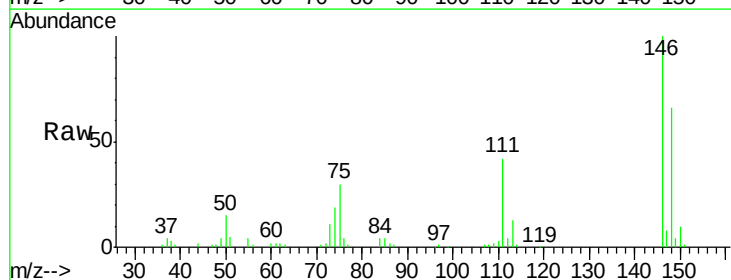
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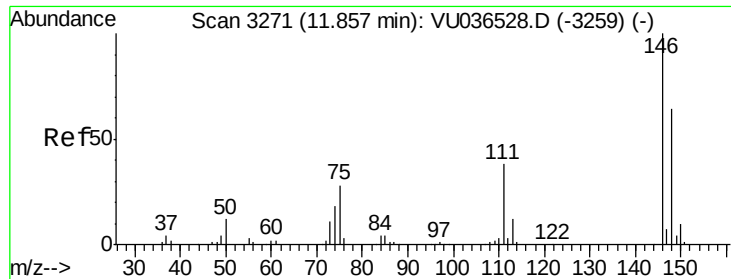
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#82
 1,3-Dichlorobenzene
 Concen: 2.036 ug/l
 RT: 11.77 min Scan# 3243
 Delta R.T. -0.00 min
 Lab File: VU036526.D
 Acq: 22 Jan 2020 15:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	32.2	48.2
148	64.3	51.4	77.2





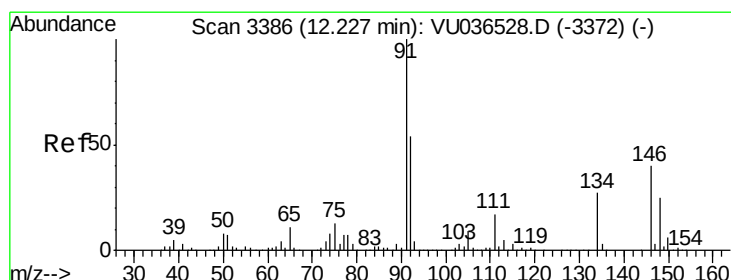
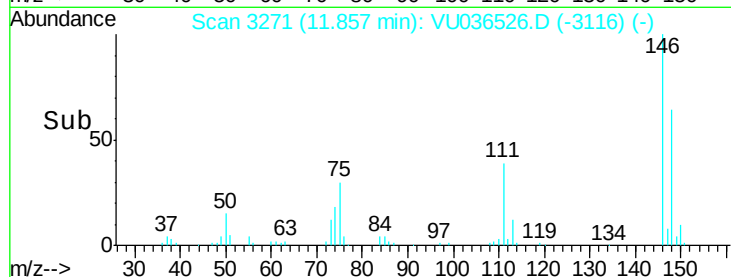
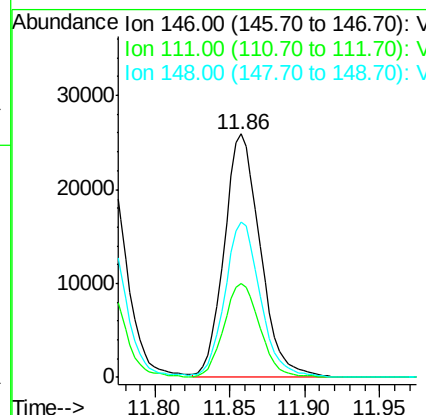
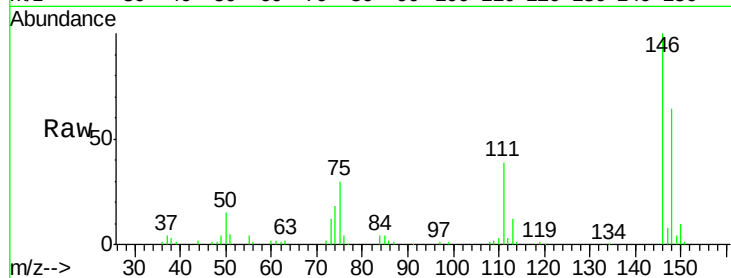
#83
 1,4-Dichlorobenzene
 Concen: 2.071 ug/l
 RT: 11.86 min Scan# 3271
 Delta R.T. -0.00 min
 Lab File: VU036526.D
 Acq: 22 Jan 2020 15:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	30.5	45.7
148	63.1	51.0	76.4

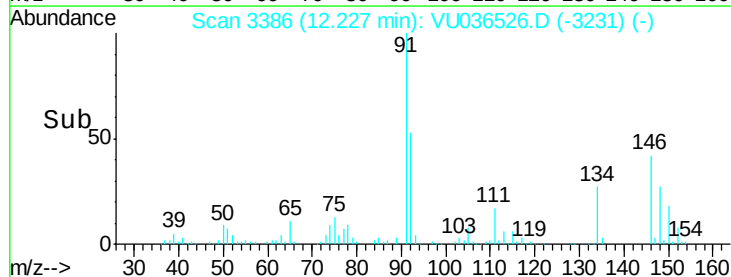
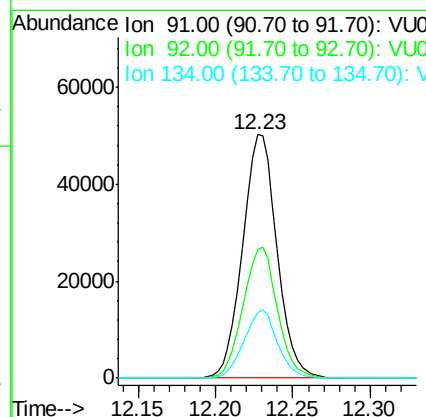
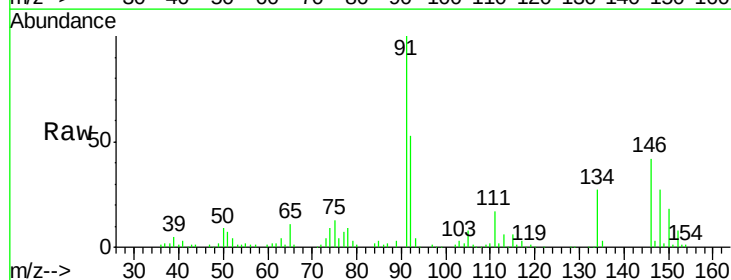
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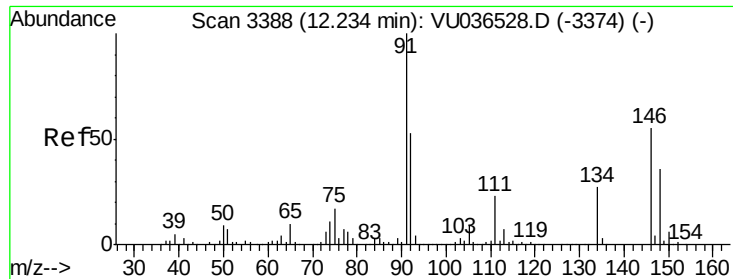
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#84
 n-Butylbenzene
 Concen: 1.710 ug/l
 RT: 12.23 min Scan# 3386
 Delta R.T. -0.00 min
 Lab File: VU036526.D
 Acq: 22 Jan 2020 15:19

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.6	42.9	64.3
134	27.2	21.4	32.0





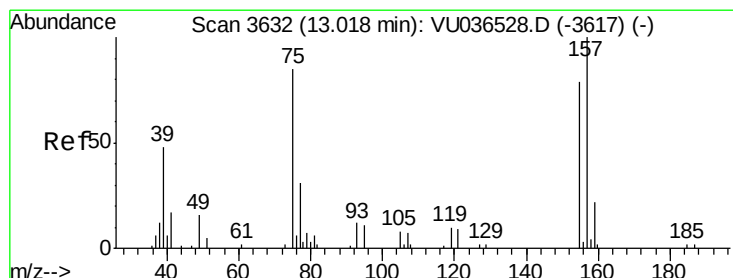
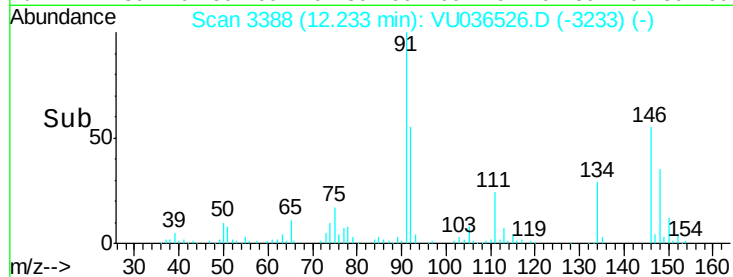
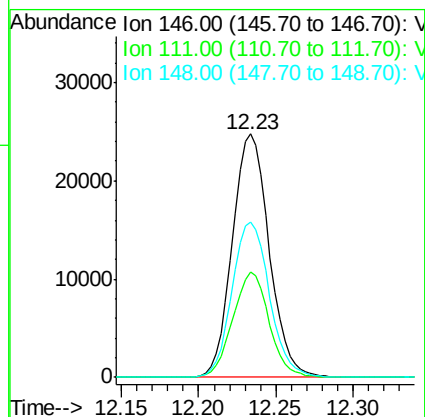
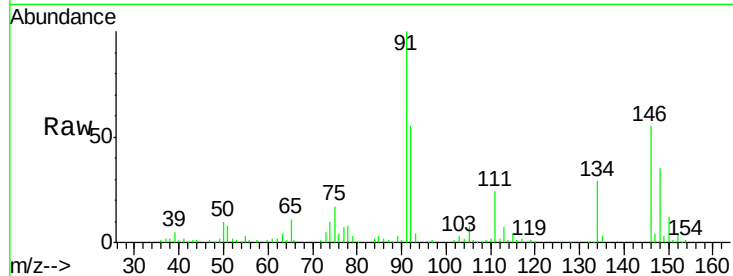
#85
 1,2-Dichlorobenzene
 Concen: 2.032 ug/l
 RT: 12.23 min Scan# 3388
 Delta R.T. -0.00 min
 Lab File: VU036526.D
 Acq: 22 Jan 2020 15:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	20.8	62.4
148	64.9	32.0	96.2

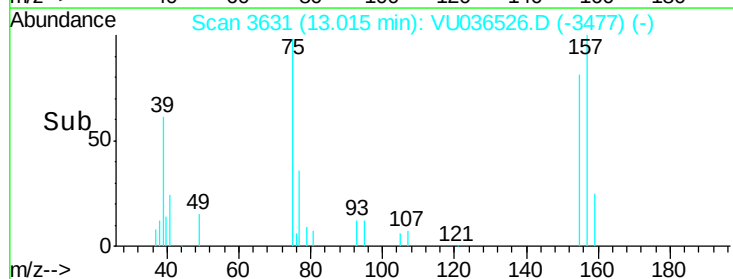
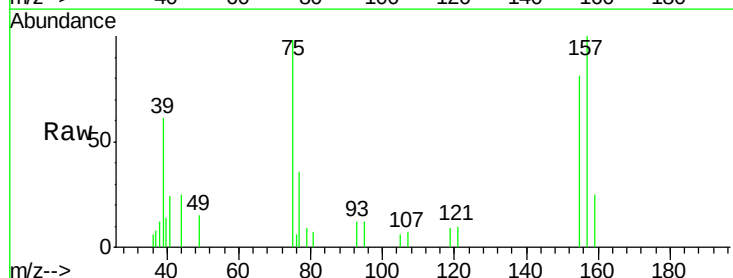
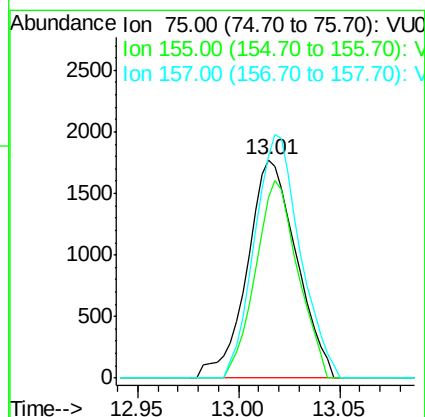
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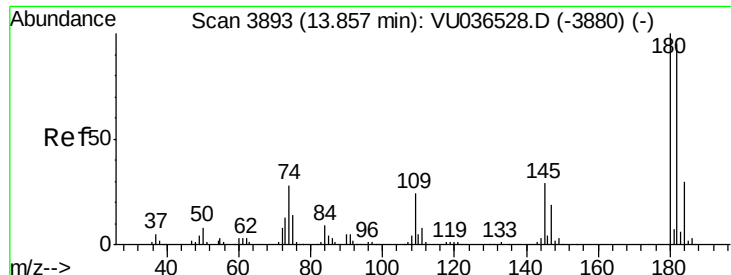
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#86
 1,2-Dibromo-3-Chloropropane
 Concen: 1.666 ug/l
 RT: 13.01 min Scan# 3631
 Delta R.T. -0.00 min
 Lab File: VU036526.D
 Acq: 22 Jan 2020 15:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.4	71.8	107.8
157	102.8	92.4	138.6





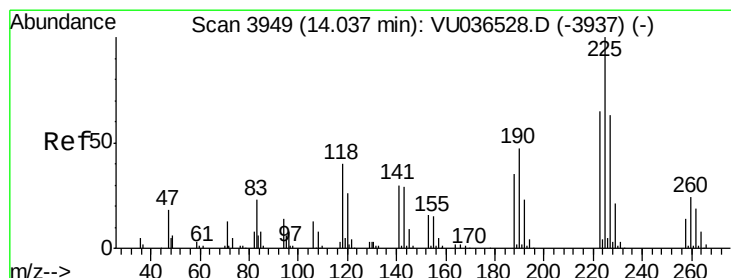
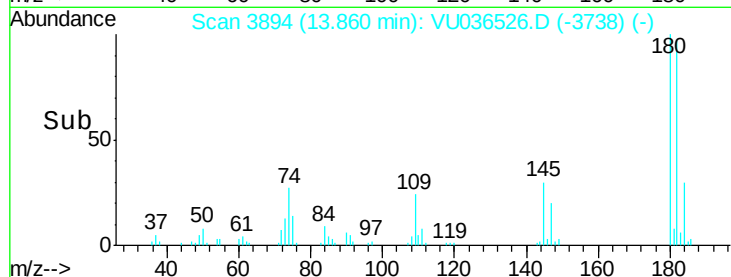
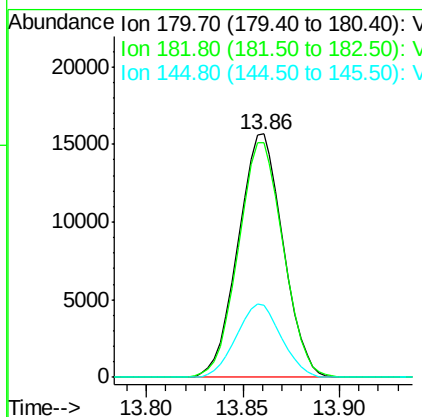
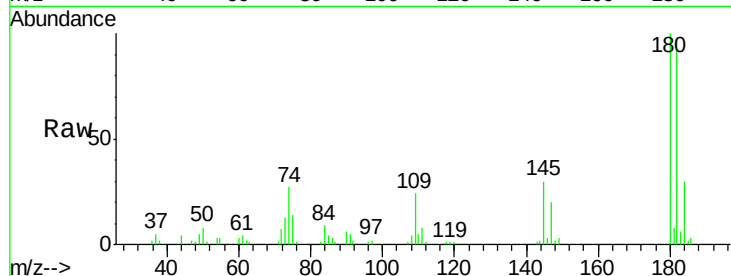
#87
 1,2,4-Trichlorobenzene
 Concen: 1.977 ug/l
 RT: 13.86 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU036526.D
 Acq: 22 Jan 2020 15:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.0	75.9	113.9
145	30.2	23.4	35.2

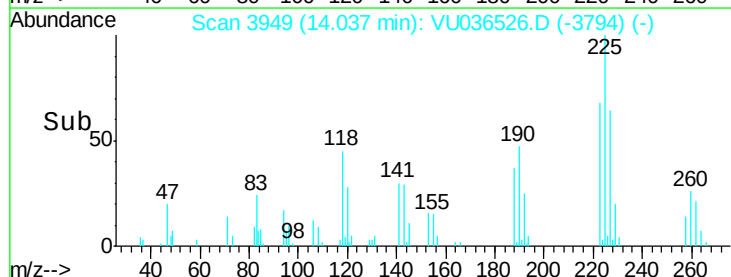
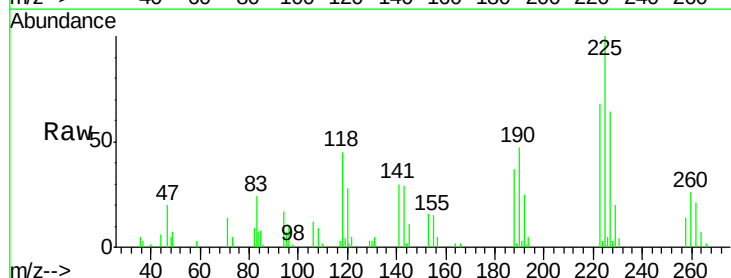
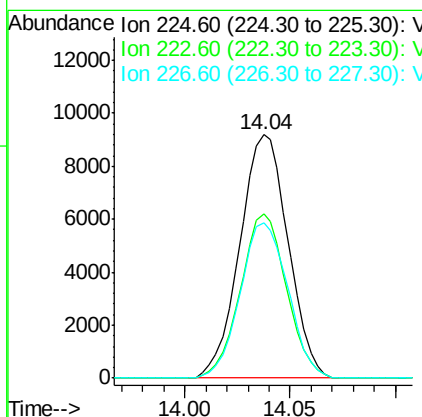
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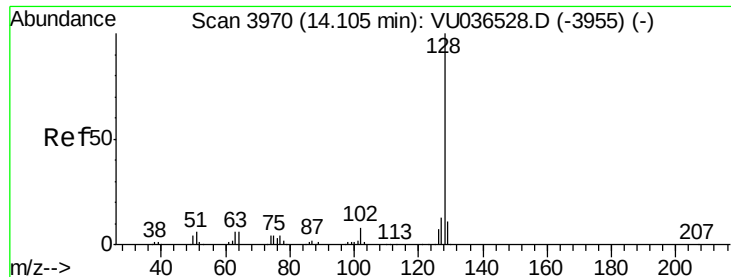
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#88
 Hexachlorobutadiene
 Concen: 2.438 ug/l
 RT: 14.04 min Scan# 3949
 Delta R.T. -0.00 min
 Lab File: VU036526.D
 Acq: 22 Jan 2020 15:19

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.3	51.7	77.5
227	63.1	50.6	75.8





#89

Naphthalene

Concen: 1.628 ug/l

RT: 14.10 min Scan# 3970

Delta R.T. -0.00 min

Lab File: VU036526.D

Acq: 22 Jan 2020 15:19

Instrument :

MSVOA_U

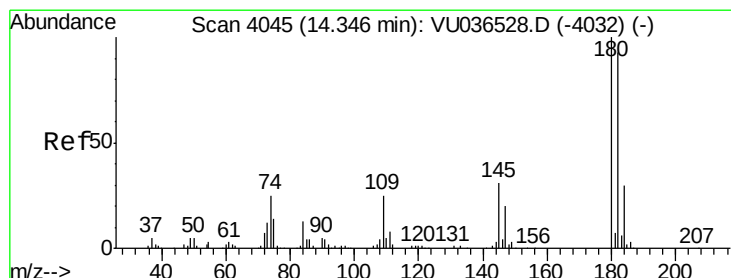
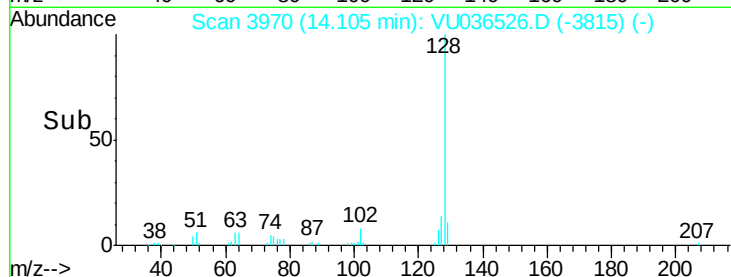
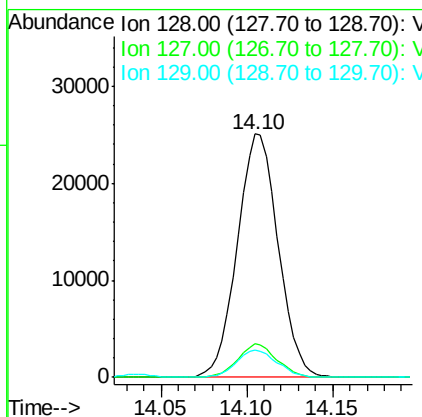
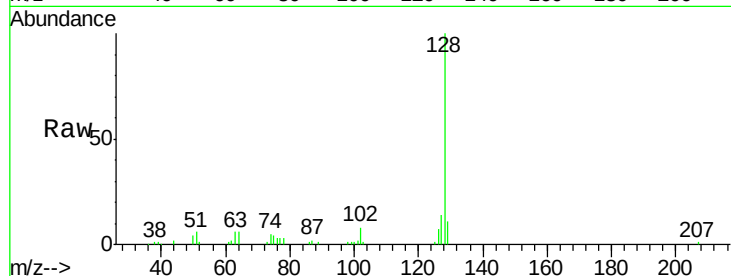
ClientSampleId :

VSTDIC002

Tot Ion:	128	Resp:	41226
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.5	15.7
129	11.1	8.7	13.1

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#90

1,2,3-Trichlorobenzene

Concen: 2.055 ug/l

RT: 14.35 min Scan# 4045

Delta R.T. -0.00 min

Lab File: VU036526.D

Acq: 22 Jan 2020 15:19

Tgt Ion:	180	Resp:	24087
Ion Ratio	Lower	Upper	
180	100		
182	96.2	76.2	114.4
145	31.5	25.2	37.8

