

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU050420\
 Data File : VU038001.D
 Acq On : 04 May 2020 13:06
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Manual Integrations
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 5/5/2020 11:15:50 AM

Quant Time: May 05 02:03:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U050420DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue May 05 01:36:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	6.15	96	90396	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.65	95	34632	0.99	ug/l	0.00
Spiked Amount 1.000			Recovery	=	99.00%	
68) 1,2-Dichlorobenzene-d4	12.21	152	34654	0.98	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.00%	

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Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	621748	14.809	ug/l	100
3) Chloromethane	1.54	50	699883	16.530	ug/l	99
4) Vinyl Chloride	1.62	62	742447	19.512	ug/l	99
5) Bromomethane	1.86	94	370507	25.825	ug/l	97
6) Chloroethane	1.94	64	434962	22.823	ug/l	98
7) Trichlorofluoromethane	2.15	101	784004	17.220	ug/l	98
8) 1,1,2-Trichloro-1,2,2-trif	2.60	101	478831	21.530	ug/l	99
9) 1,1-Dichloroethene	2.60	96	475346	22.310	ug/l	98
10) Iodomethane	2.75	142	491942	46.249	ug/l	99
11) Allyl Chloride	2.95	41	883309	21.408	ug/l	100
12) Acrylonitrile	3.35	53	263242	50.550	ug/l	98
13) Acetone	2.66	43	484571	87.528	ug/l	97
14) Carbon Disulfide	2.82	76	1716080	23.774	ug/l	100
15) Methylene Chloride	3.07	84	543864	20.142	ug/l	99
16) trans-1,2-Dichloroethene	3.38	96	514352	22.563	ug/l	99
17) 1,1-Dichloroethane	3.91	63	986595	19.283	ug/l	99
18) 2-Butanone	4.75	43	768877	92.082	ug/l	99
19) Cyclohexane	5.42	56	968032m	21.940	ug/l	
20) Methylcyclohexane	6.79	83	991296	22.659	ug/l	100
21) 2,2-Dichloropropane	4.70	77	825863	17.883	ug/l	100
22) cis-1,2-Dichloroethene	4.70	96	555962	20.254	ug/l	99
23) Diethyl Ether	2.40	59	418726	22.921	ug/l	99
24) tert-Butyl Alcohol	3.23	59	430715	220.029	ug/l	99
25) Methyl tert-Butyl Ether	3.40	73	1302501	21.026	ug/l	100
26) Bromochloromethane	5.01	128	218111	18.298	ug/l	99
27) Chloroform	5.13	83	919027	16.958	ug/l	98
28) 1,1,1-Trichloroethane	5.35	97	784125	17.086	ug/l	99
29) 1,1-Dichloropropene	5.56	75	777321	20.272	ug/l	99
30) Carbon Tetrachloride	5.56	117	663275	16.685	ug/l	100
31) Isopropyl Ether	4.04	45	1690462	20.650	ug/l	99
32) Ethyl-t-butyl ether	4.55	59	1523033	19.858	ug/l	99
33) Tert-Amyl methyl ether	5.98	73	1316628	20.042	ug/l	100
34) Propionitrile	4.82	54	225003	102.268	ug/l	98
35) Benzene	5.81	78	2155926	19.832	ug/l	100
36) 1,2-Dichloroethane	5.83	62	626447	16.313	ug/l	100
37) Trichloroethene	6.57	130	556212	19.469	ug/l	99
38) 1,2-Dichloropropane	6.82	63	581713	19.586	ug/l	99
39) Methacrylonitrile	5.02	41	198543	18.892	ug/l	99
40) Methyl acrylate	4.89	55	308981	20.799	ug/l	99
41) Tetrahydrofuran	5.10	42	197634	37.729	ug/l	99
42) 1-Chlorobutane	5.49	56	1122926	20.392	ug/l	100

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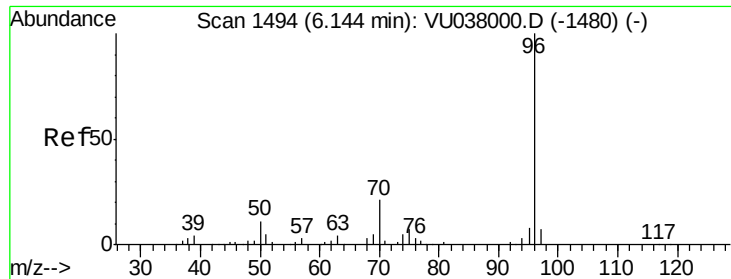
Manual Integrations
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 5/5/2020 11:15:50 AM

Quant Time: May 05 02:03:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U050420DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue May 05 01:36:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.95	93	270001	17.995	ug/l	99
44) Bromodichloromethane	7.13	83	696893	17.921	ug/l	99
45) 4-Methyl-2-Pentanone	7.82	43	1879644	93.157	ug/l	100
46) t-1,4-Dichloro-2-butene	10.85	75	231564m	42.042	ug/l	
47) Methyl methacrylate	6.99	69	572214	45.125	ug/l	99
48) Ethyl methacrylate	8.36	69	561852	22.477	ug/l	99
49) Toluene	7.99	92	1382634	21.091	ug/l	99
50) t-1,3-Dichloropropene	8.23	75	740851	20.759	ug/l	97
51) cis-1,3-Dichloropropene	7.63	75	879648	21.363	ug/l	99
52) 1,1,2-Trichloroethane	8.43	97	380354	18.854	ug/l	99
53) 1,3-Dichloropropane	8.60	76	718850	19.876	ug/l	100
54) 2-Hexanone	8.71	43	1320658	95.241	ug/l	100
55) Dibromochloromethane	8.83	129	447186	18.196	ug/l	99
56) 1,2-Dibromoethane	8.95	107	364184	19.256	ug/l	99
58) Tetrachloroethene	8.57	164	525583	19.592	ug/l	99
59) Chlorobenzene	9.47	112	1476187	20.191	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.56	131	473248	18.220	ug/l	98
61) Pentachloroethane	11.44	117	367528	18.533	ug/l	98
62) Hexachloroethane	12.49	117	372324	17.677	ug/l	100
63) Ethyl Benzene	9.59	91	2674476	21.440	ug/l	100
64) m/p-Xylenes	9.71	106	2085543	44.159	ug/l	100
65) o-Xylene	10.12	106	1006593	22.031	ug/l	99
66) Styrene	10.13	104	1719835	23.039	ug/l	99
67) Bromoform	10.31	173	247070	19.159	ug/l	99
69) Isopropylbenzene	10.50	105	2660044	21.437	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.80	83	509493	19.259	ug/l	97
71) 1,2,3-Trichloropropane	10.84	75	334472m	16.034	ug/l	
72) Bromobenzene	10.80	156	585993	19.515	ug/l	99
73) n-propylbenzene	10.92	120	737665	22.376	ug/l	99
74) 2-Chlorotoluene	11.00	126	602360	20.419	ug/l	97
75) 1,3,5-Trimethylbenzene	11.10	105	2235059	21.026	ug/l	100
76) 4-Chlorotoluene	11.11	126	633207	21.216	ug/l	99
77) tert-Butylbenzene	11.44	119	2122681	20.466	ug/l	99
78) 1,2,4-Trimethylbenzene	11.48	105	2295229	21.433	ug/l	100
79) sec-Butylbenzene	11.66	105	3017011	21.225	ug/l	100
80) Nitrobenzene	13.23	77	88261	146.364	ug/l	98
81) p-Isopropyltoluene	11.81	119	2476205	22.142	ug/l	100
82) 1,3-Dichlorobenzene	11.76	146	1196014	20.168	ug/l	99
83) 1,4-Dichlorobenzene	11.85	146	1193231	19.871	ug/l	100
84) n-Butylbenzene	12.22	91	2503147	23.393	ug/l	100
85) 1,2-Dichlorobenzene	12.23	146	1115457	19.487	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	13.02	75	76791	16.985	ug/l	98
87) 1,2,4-Trichlorobenzene	13.87	180	831648	27.614	ug/l	99
88) Hexachlorobutadiene	14.05	225	373188	20.750	ug/l	99
89) Naphthalene	14.12	128	1632305	31.261	ug/l	100
90) 1,2,3-Trichlorobenzene	14.36	180	746087	25.721	ug/l	100

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.15 min Scan# 1495

Delta R.T. 0.00 min

Lab File: VU038001.D

Acq: 04 May 2020 13:06

Instrument :

MSVOA_U

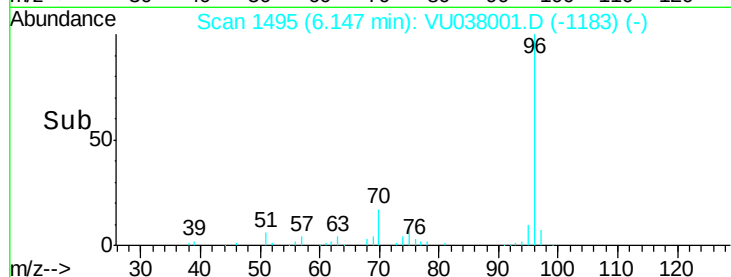
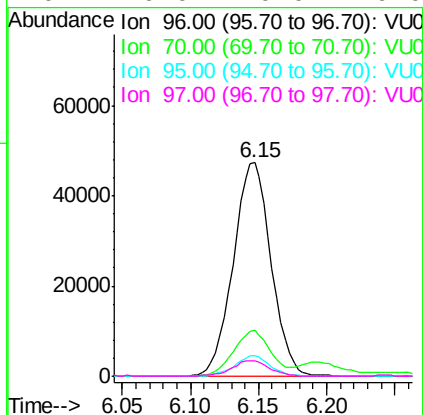
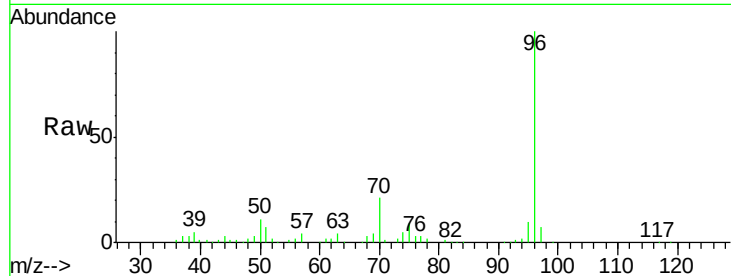
ClientSampled :

VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
96	100			
70	17.1	14.4	21.6	
95	0.0	7.1	10.7	
97	0.0	0.0	0.0	

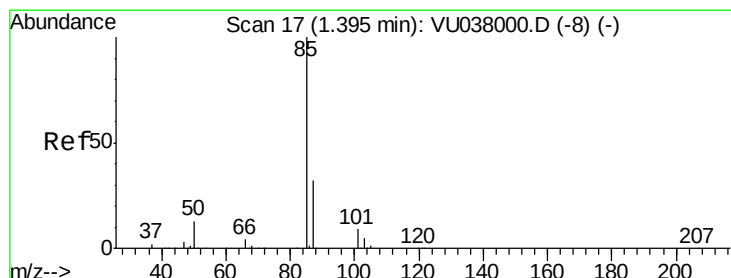
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#2

Dichlorodifluoromethane

Concen: 14.809 ug/l

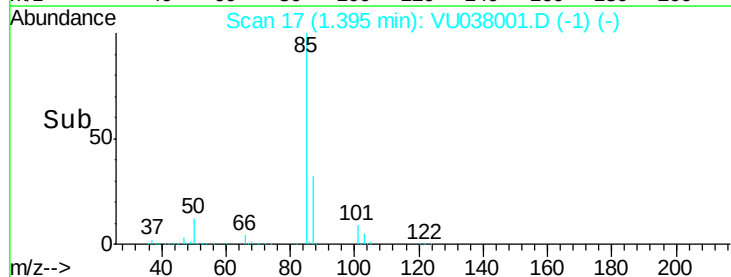
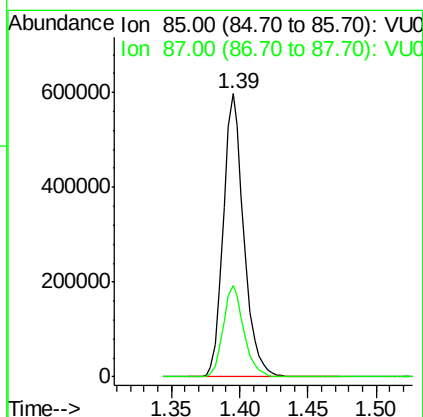
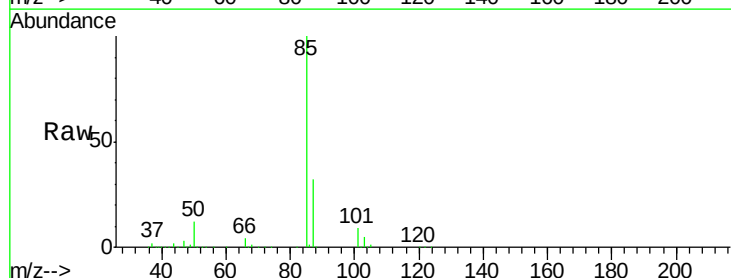
RT: 1.39 min Scan# 17

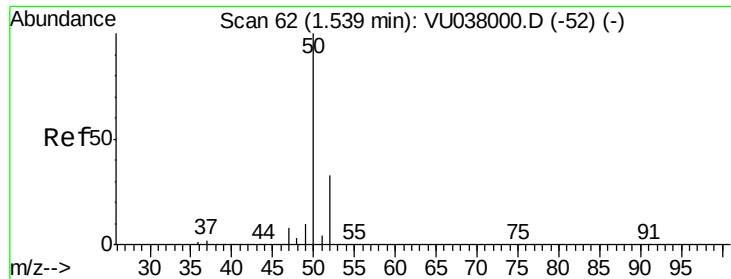
Delta R.T. 0.00 min

Lab File: VU038001.D

Acq: 04 May 2020 13:06

Tgt Ion	Ion	Ratio	Lower	Upper
85	100			
87	32.4	16.2	48.5	





#3

Chloromethane

Concen: 16.530 ug/l

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU038001.D

Acq: 04 May 2020 13:06

Tot Ion: 50 Resp: 699883

Ion Ratio Lower Upper

50 100

52 32.9 26.1 39.1

Instrument :

MSVOA_U

ClientSampleId :

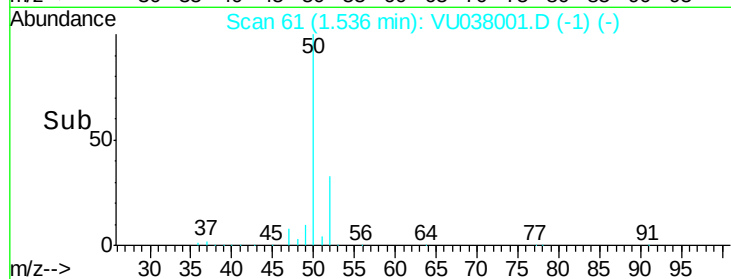
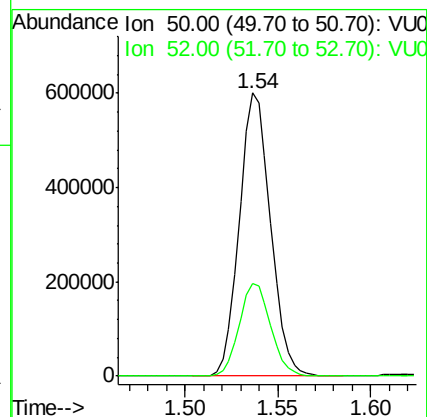
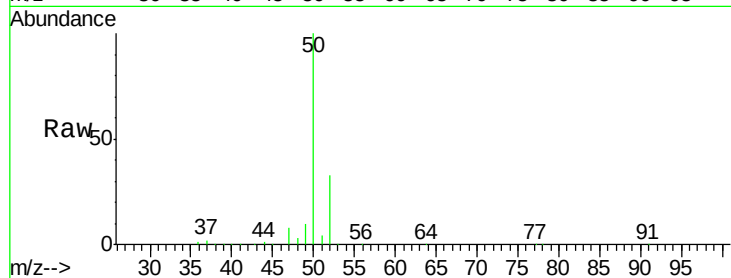
VSTDIC020

Manual Integrations

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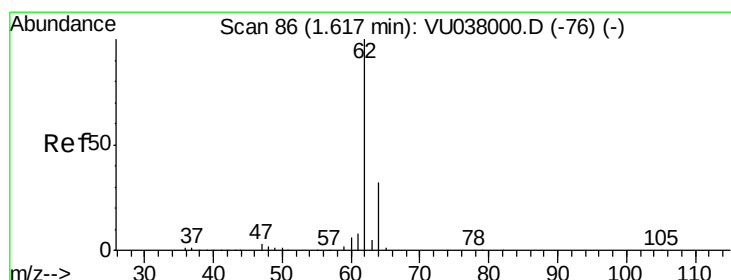
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#4

Vinyl Chloride

Concen: 19.512 ug/l

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU038001.D

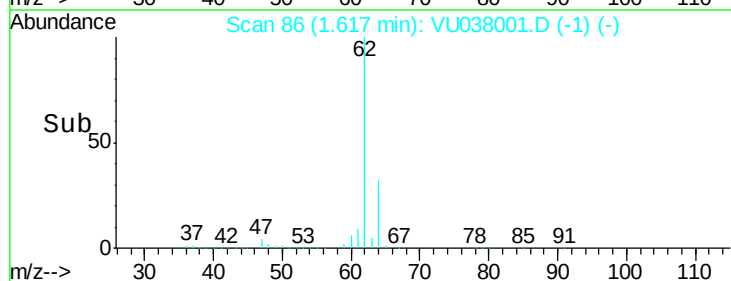
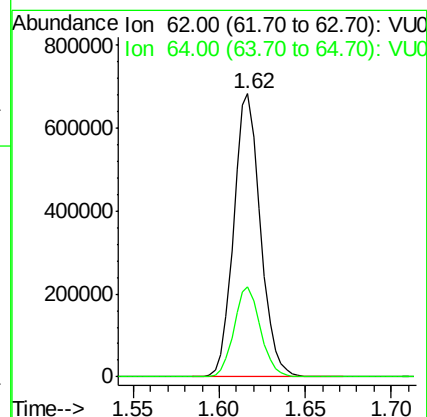
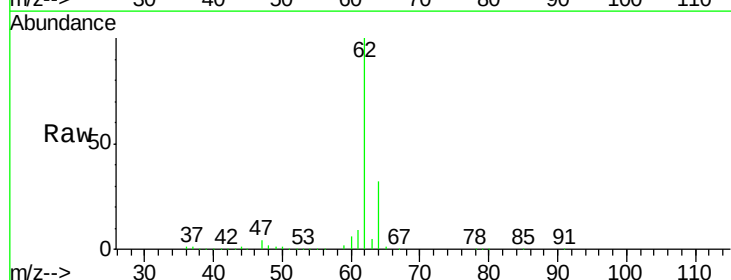
Acq: 04 May 2020 13:06

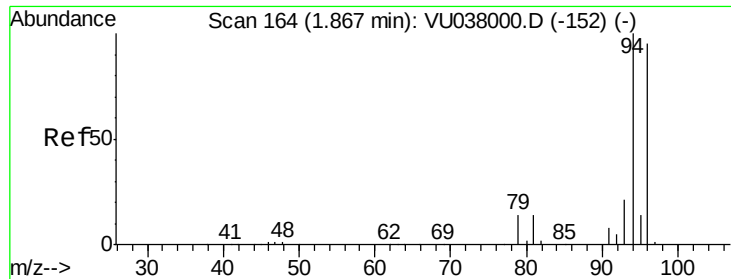
Tgt Ion: 62 Resp: 742447

Ion Ratio Lower Upper

62 100

64 31.6 25.7 38.5





#5

Bromomethane

Concen: 25.825 ug/l

RT: 1.86 min Scan# 162

Delta R.T. -0.01 min

Lab File: VU038001.D

Acq: 04 May 2020 13:06

Instrument :

MSVOA_U

ClientSampled :

VSTDIC020

Tot Ion: 94 Resp: 370507

Ion Ratio Lower Upper

94 100

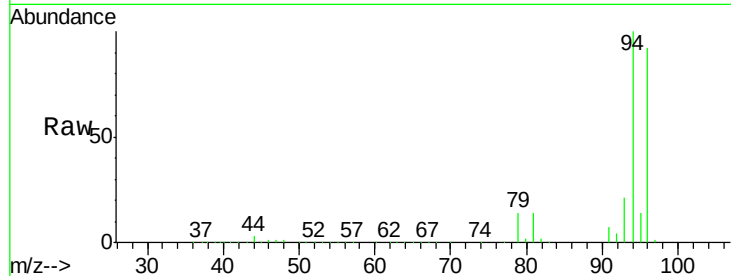
96 91.9 76.1 114.1

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Abundance Ion 94.00 (93.70 to 94.70): VU038001.D (-152) (-)

Ion 96.00 (95.70 to 96.70): VU038001.D (-152) (-)

1.86

250000

200000

150000

100000

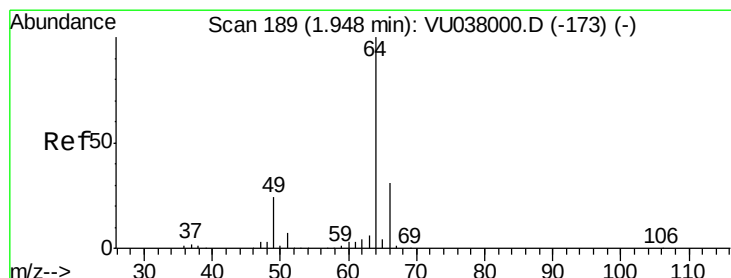
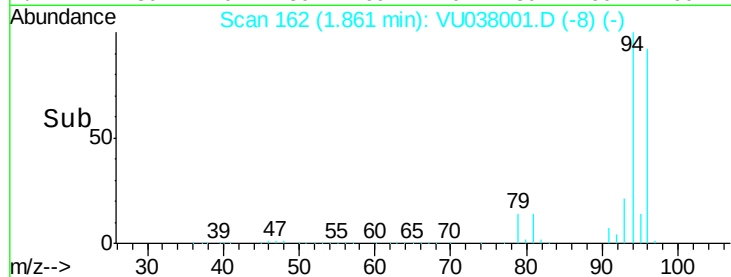
50000

0

Time-->

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#6

Chloroethane

Concen: 22.823 ug/l

RT: 1.94 min Scan# 188

Delta R.T. -0.00 min

Lab File: VU038001.D

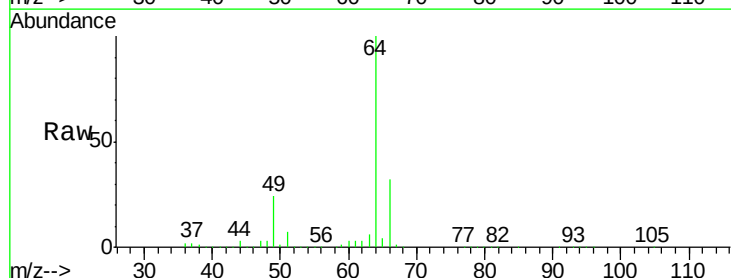
Acq: 04 May 2020 13:06

Tgt Ion: 64 Resp: 434962

Ion Ratio Lower Upper

64 100

66 32.0 24.8 37.2



Abundance Ion 64.00 (63.70 to 64.70): VU038001.D (-173) (-)

Ion 66.00 (65.70 to 66.70): VU038001.D (-173) (-)

1.94

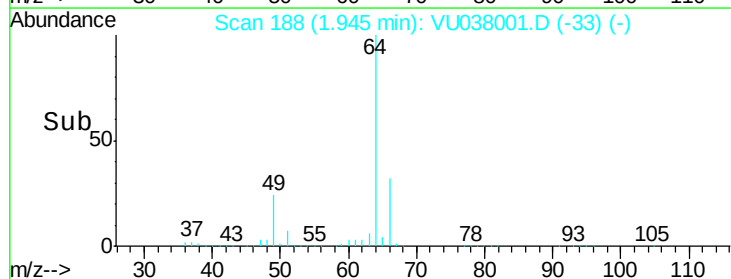
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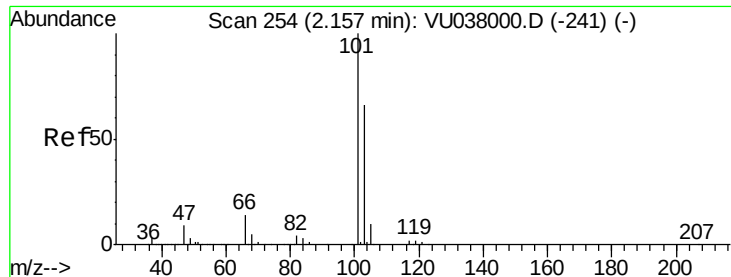
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100000

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Time-->





#7

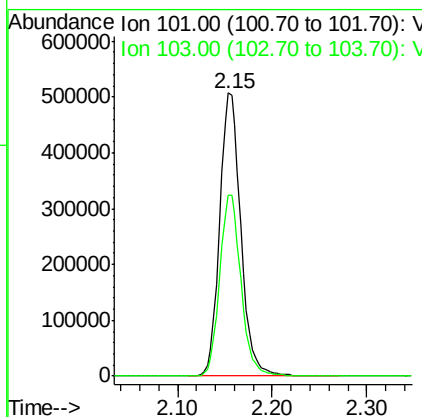
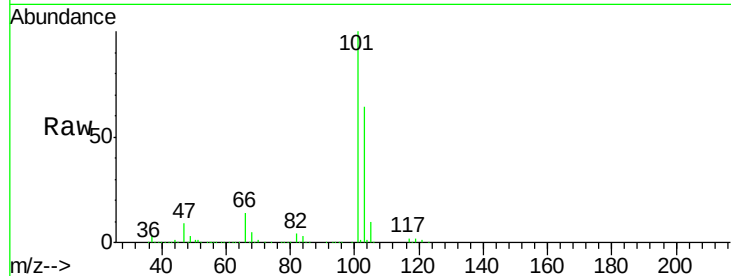
Trichlorofluoromethane
 Concen: 17.220 ug/l
 RT: 2.15 min Scan# 253
 Delta R.T. -0.00 min
 Lab File: VU038001.D
 Acq: 04 May 2020 13:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.8	52.6	78.8

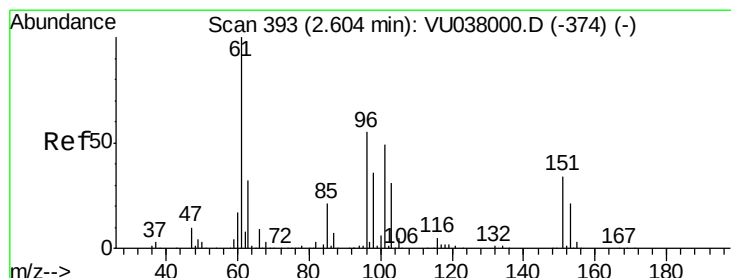
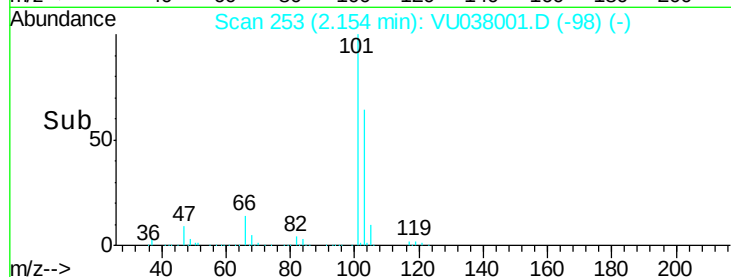
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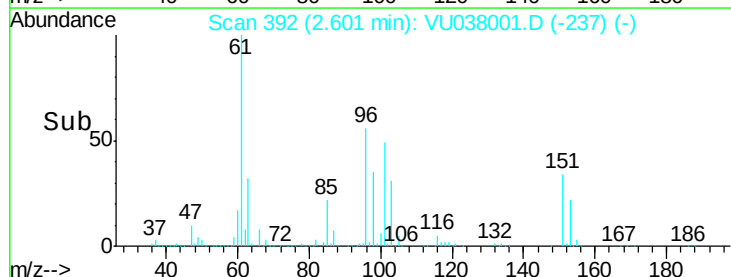
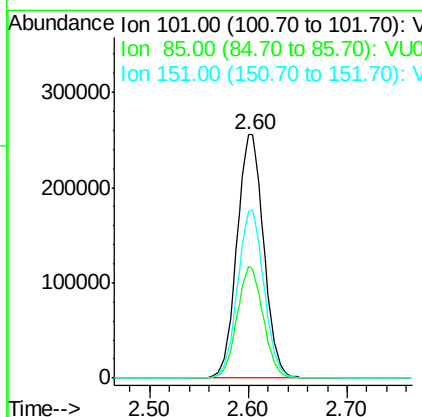
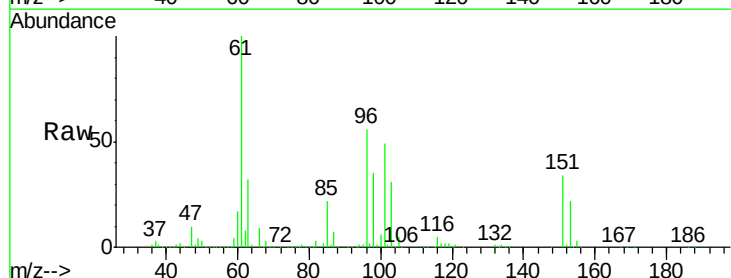
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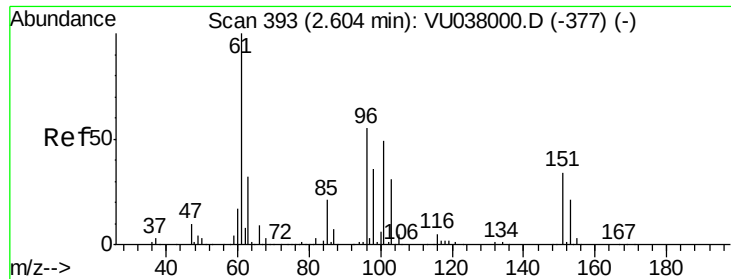


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 21.530 ug/l
 RT: 2.60 min Scan# 392
 Delta R.T. -0.00 min
 Lab File: VU038001.D
 Acq: 04 May 2020 13:06

Tgt Ion	Ratio	Lower	Upper
101	100		
85	44.7	35.5	53.3
151	67.9	55.2	82.8





#9

1,1-Dichloroethene

Concen: 22.310 ug/l

RT: 2.60 min Scan# 392

Delta R.T. -0.00 min

Lab File: VU038001.D

Acq: 04 May 2020 13:06

Instrument :

MSVOA_U

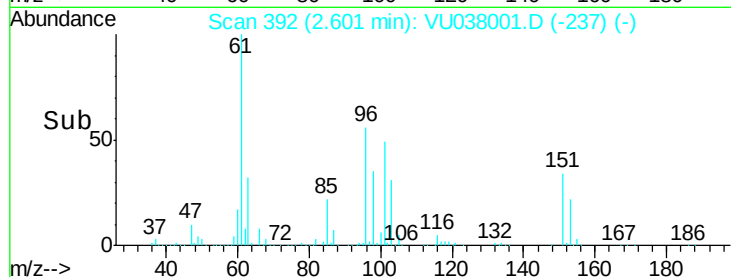
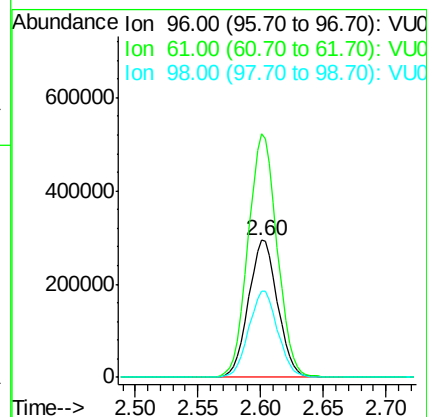
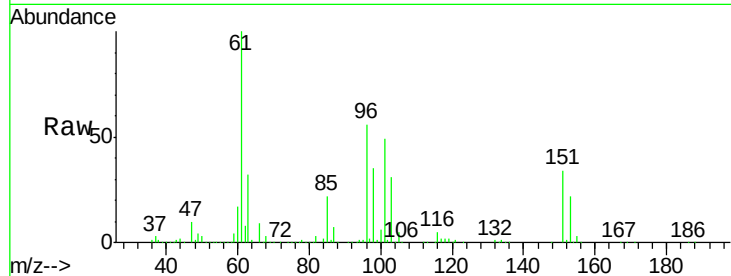
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	475346
Ion	Ratio	Lower	Upper
96	100		
61	177.7	0.0	543.0
98	62.7	0.0	129.4

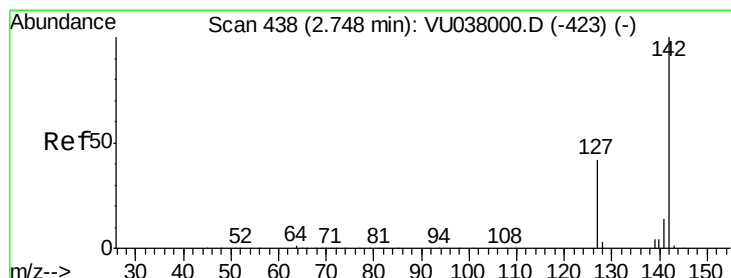
Manual Integrations
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#10

Iodomethane

Concen: 46.249 ug/l

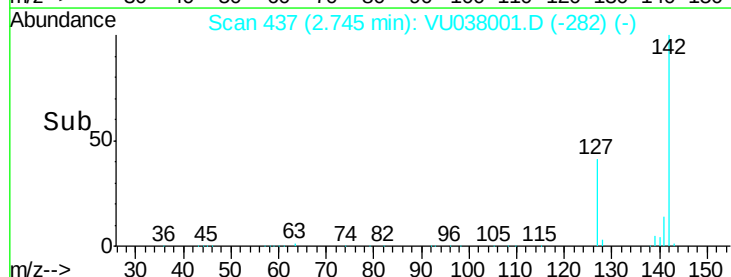
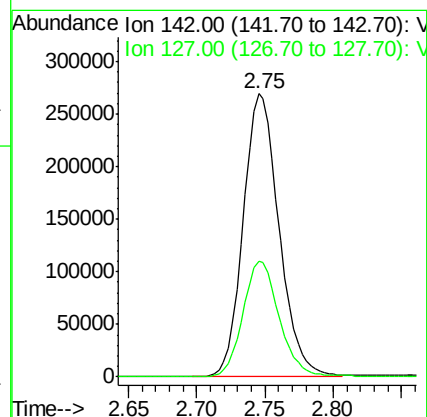
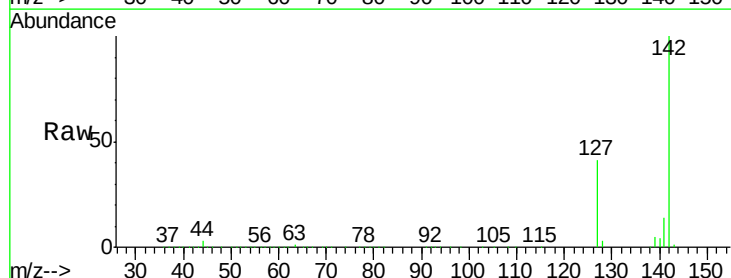
RT: 2.75 min Scan# 437

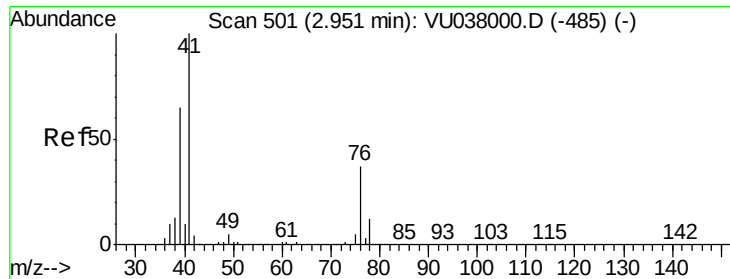
Delta R.T. -0.00 min

Lab File: VU038001.D

Acq: 04 May 2020 13:06

Tgt Ion:	142	Resp:	491942
Ion	Ratio	Lower	Upper
142	100		
127	41.5	33.5	50.3





#11

Allvl Chloride

Concen: 21.408 ug/l

RT: 2.95 min Scan# 500

Delta R.T. -0.00 min

Lab File: VU038001.D

Acq: 04 May 2020 13:06

Tot Ion: 41 Resp: 883309

Ion Ratio Lower Upper

41 100

39 65.0 51.7 77.5

Instrument :

MSVOA_U

ClientSampled :

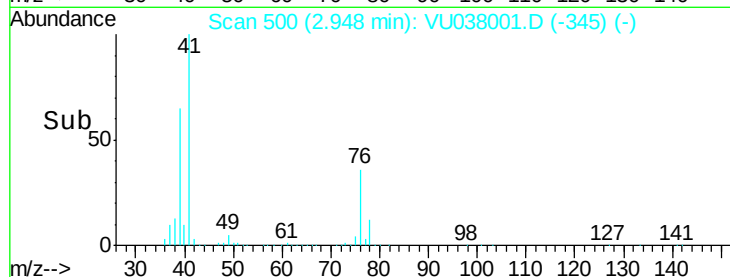
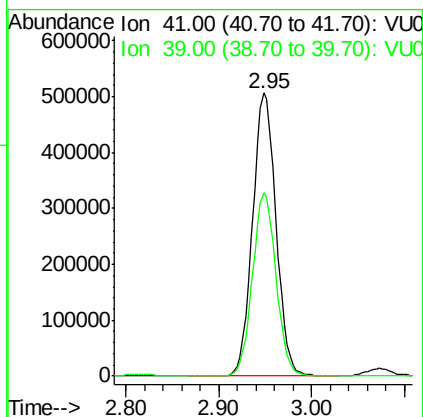
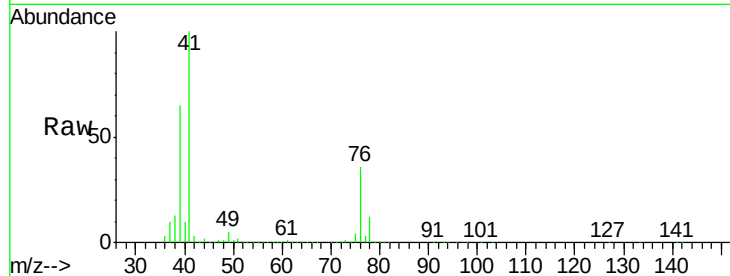
VSTDIC020

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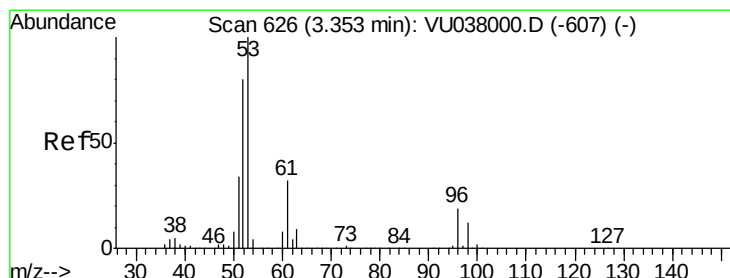
apatel

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#12

Acrylonitrile

Concen: 50.550 ug/l

RT: 3.35 min Scan# 625

Delta R.T. -0.00 min

Lab File: VU038001.D

Acq: 04 May 2020 13:06

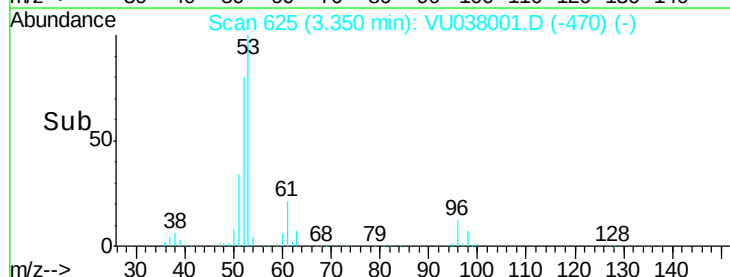
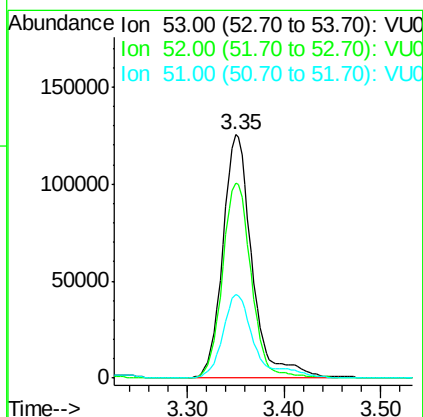
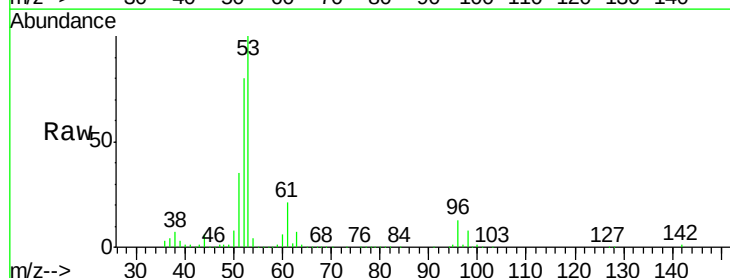
Tgt Ion: 53 Resp: 263242

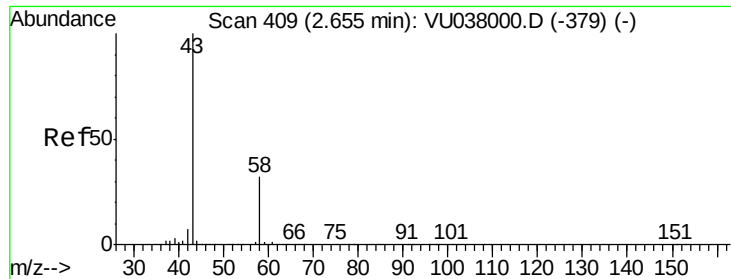
Ion Ratio Lower Upper

53 100

52 78.8 63.3 94.9

51 33.6 30.2 45.2





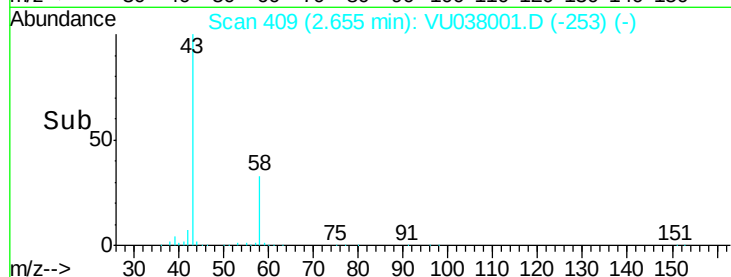
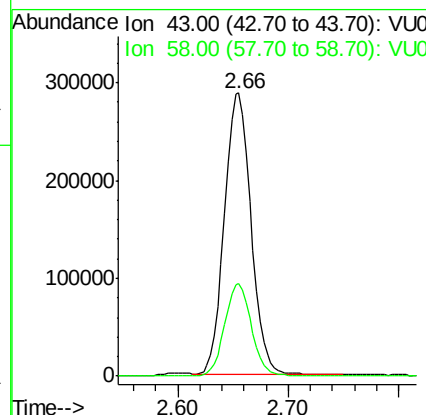
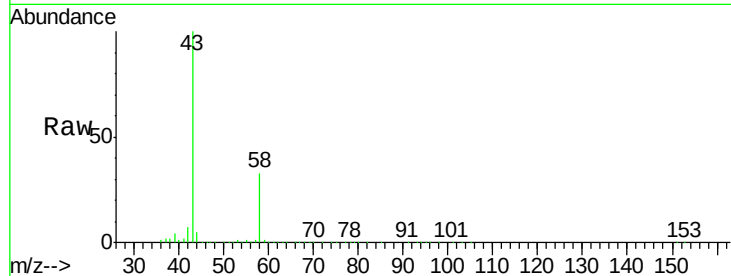
#13
Acetone
Concen: 87.528 ug/l
RT: 2.66 min Scan# 409
Delta R.T. 0.00 min
Lab File: VU038001.D
Acq: 04 May 2020 13:06

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	33.0	25.2	37.8

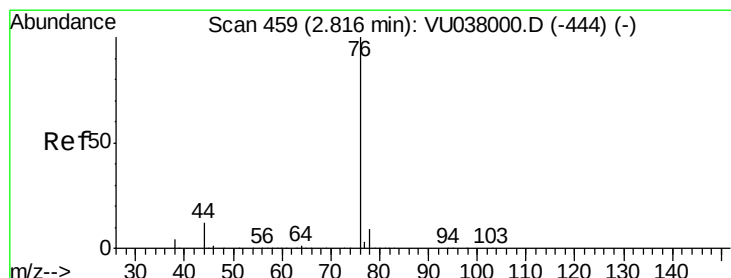
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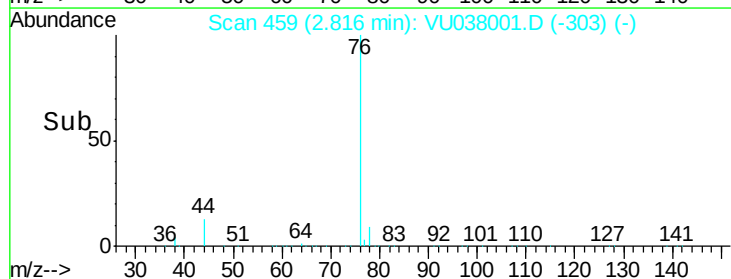
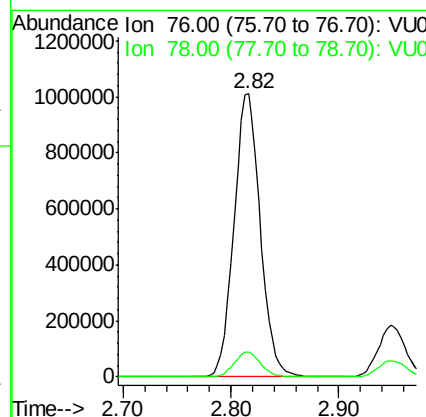
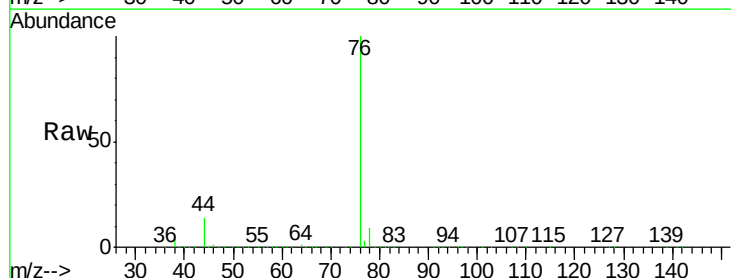
apatel

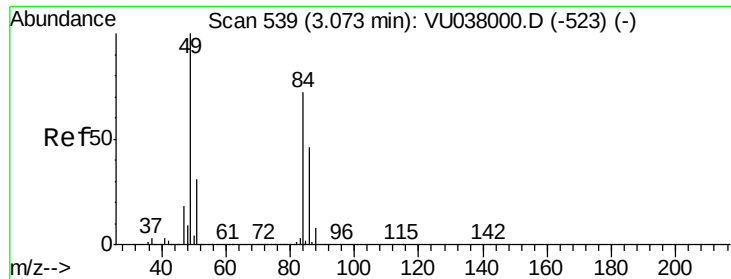
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#14
Carbon Disulfide
Concen: 23.774 ug/l
RT: 2.82 min Scan# 459
Delta R.T. 0.00 min
Lab File: VU038001.D
Acq: 04 May 2020 13:06

Tgt Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.0	10.6





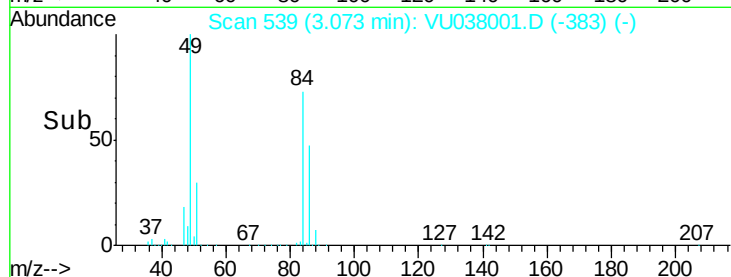
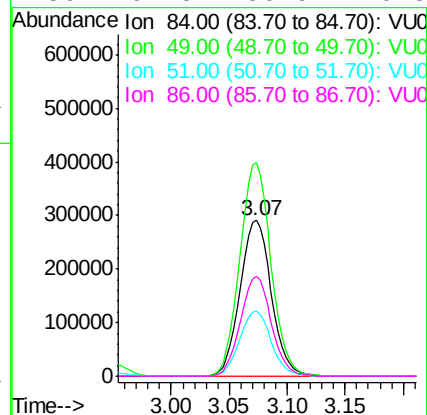
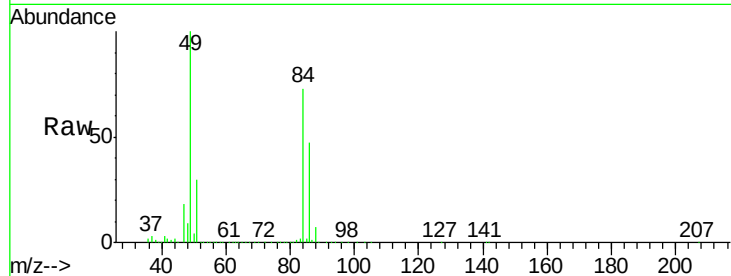
#15
Methylene Chloride
Concen: 20.142 ug/l
RT: 3.07 min Scan# 539
Delta R.T. 0.00 min
Lab File: VU038001.D
Acq: 04 May 2020 13:06

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion:	84	Resp:	543864
Ion	Ratio	Lower	Upper
84	100		
49	137.3	110.6	166.0
51	41.5	0.0	85.4
86	64.3	50.9	76.3

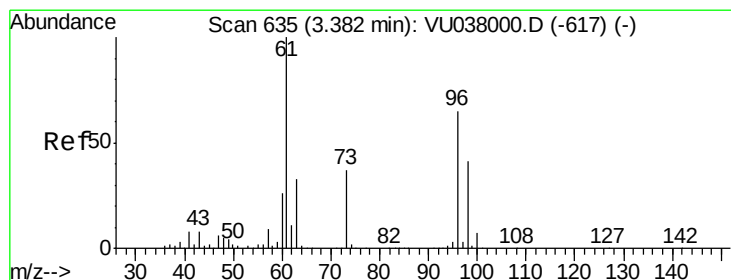
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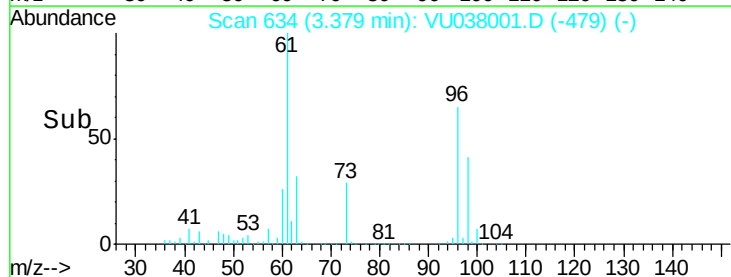
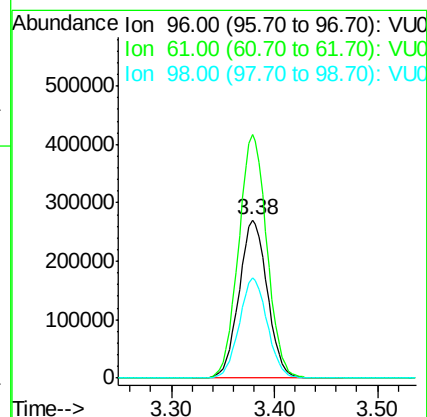
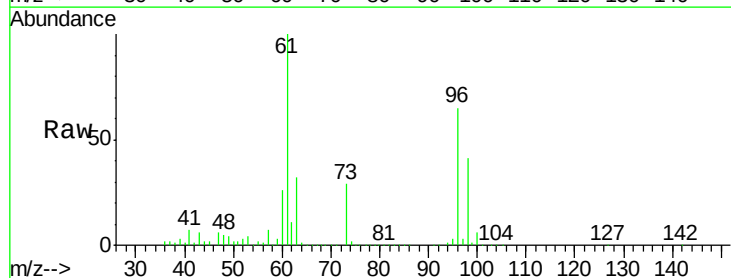
apatel

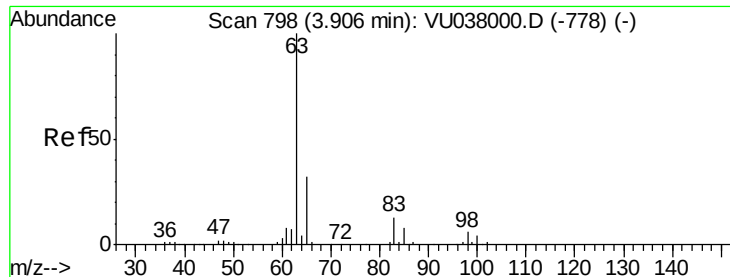
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#16
trans-1,2-Dichloroethene
Concen: 22.563 ug/l
RT: 3.38 min Scan# 634
Delta R.T. -0.00 min
Lab File: VU038001.D
Acq: 04 May 2020 13:06

Tgt Ion:	96	Resp:	514352
Ion	Ratio	Lower	Upper
96	100		
61	154.3	122.4	183.6
98	63.6	50.1	75.1





#17

1,1-Dichloroethane

Concen: 19.283 ug/l

RT: 3.91 min Scan# 798

Delta R.T. 0.00 min

Lab File: VU038001.D

Acq: 04 May 2020 13:06

Instrument :

MSVOA_U

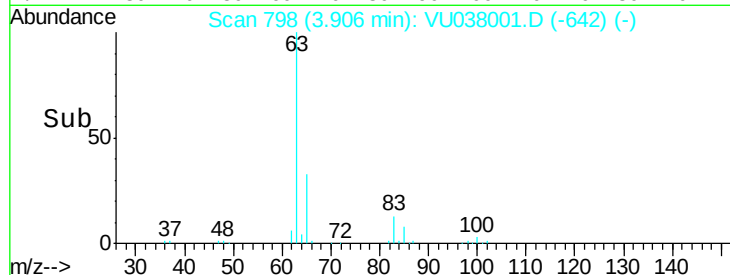
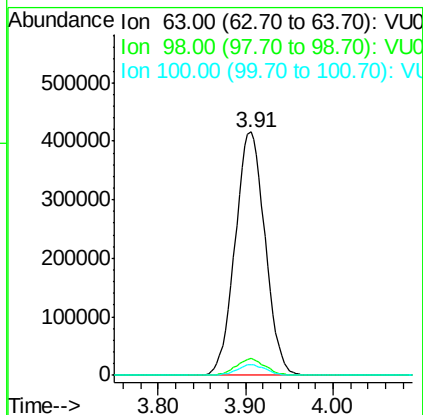
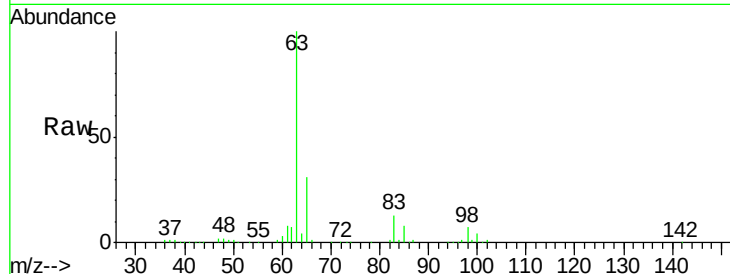
ClientSampleId :

VSTDIC020

Tot Ion:	63	Resp:	986595
Ion Ratio	Lower	Upper	
63	100		
98	6.8	3.1	9.4
100	4.2	2.2	6.6

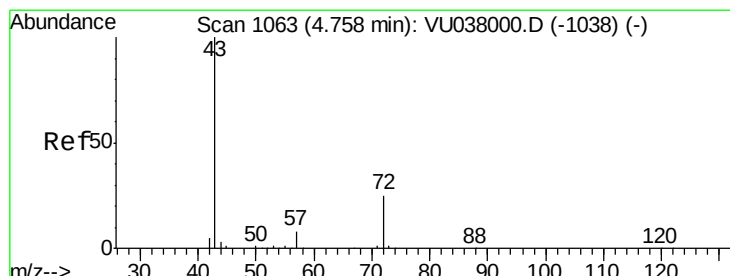
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#18

2-Butanone

Concen: 92.082 ug/l

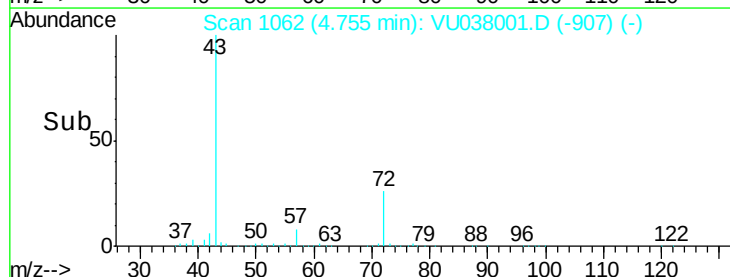
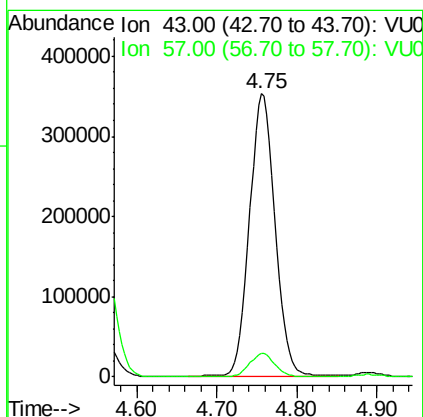
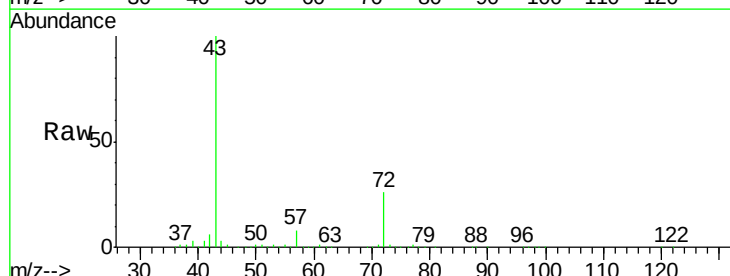
RT: 4.75 min Scan# 1062

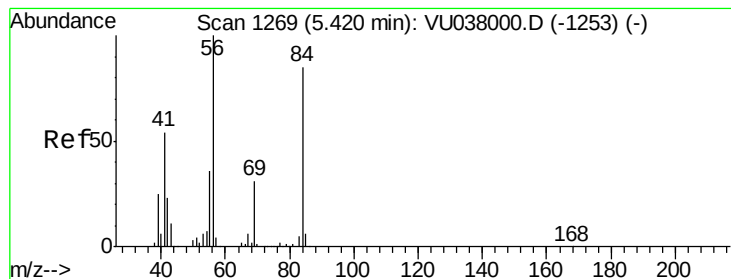
Delta R.T. -0.00 min

Lab File: VU038001.D

Acq: 04 May 2020 13:06

Tgt Ion:	43	Resp:	768877
Ion Ratio	Lower	Upper	
43	100		
57	8.1	0.0	16.6





#19

Cyclohexane

Concen: 21.940 ug/l m

RT: 5.42 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VU038001.D

Acq: 04 May 2020 13:06

Instrument :

MSVOA_U

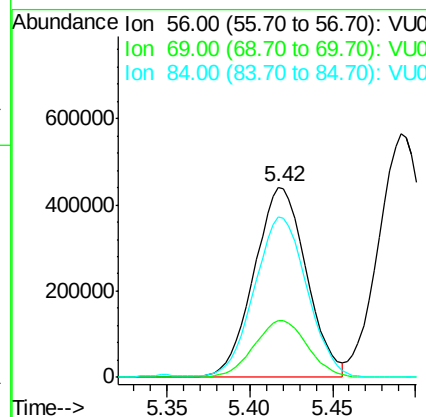
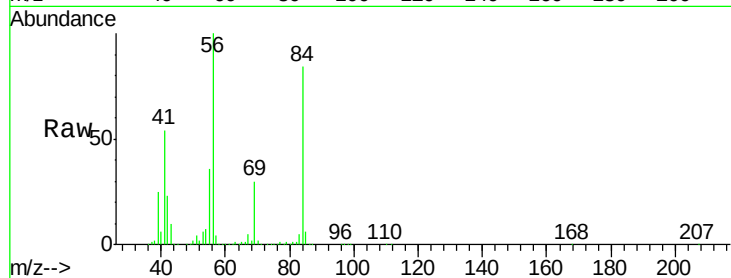
ClientSampled :

VSTDIC020

Tot Ion:	56	Resp:	968032
Ion Ratio	Lower	Upper	
56	100		
69	30.3	24.3	36.5
84	83.5	66.3	99.5

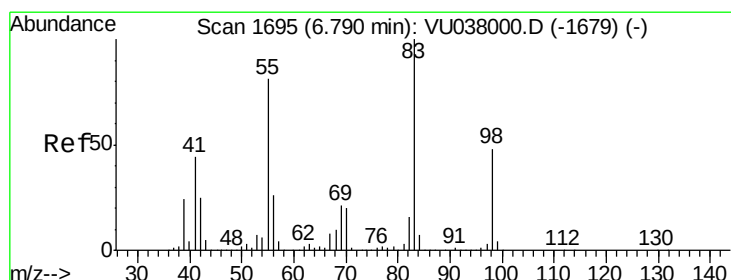
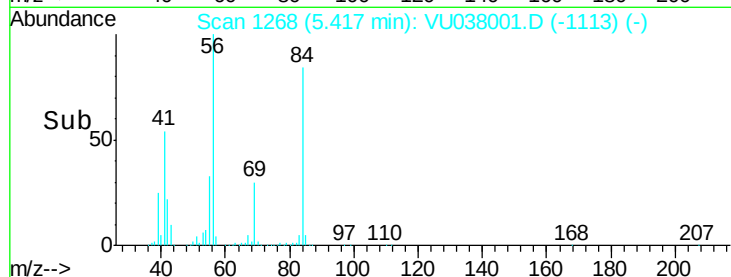
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#20

Methylcyclohexane

Concen: 22.659 ug/l

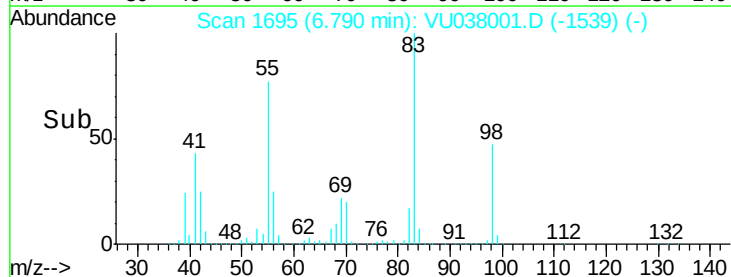
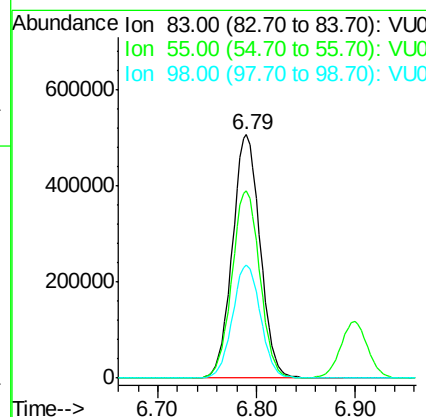
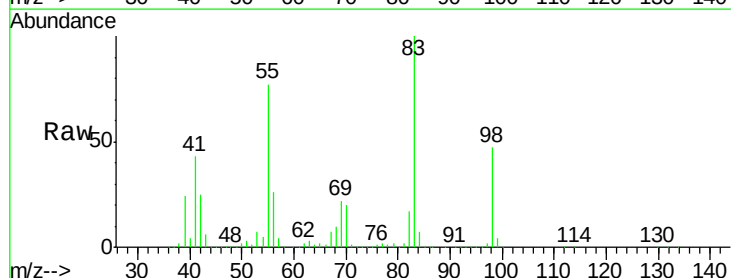
RT: 6.79 min Scan# 1695

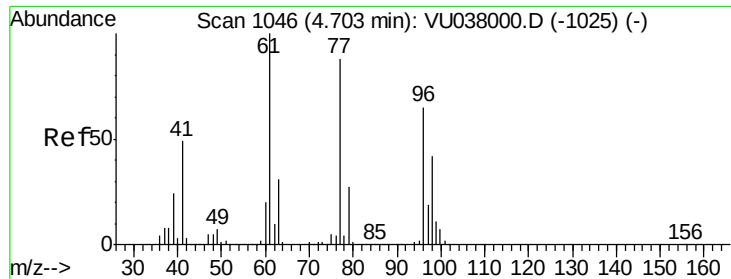
Delta R.T. 0.00 min

Lab File: VU038001.D

Acq: 04 May 2020 13:06

Tgt Ion:	83	Resp:	991296
Ion Ratio	Lower	Upper	
83	100		
55	77.2	61.5	92.3
98	46.9	37.3	55.9





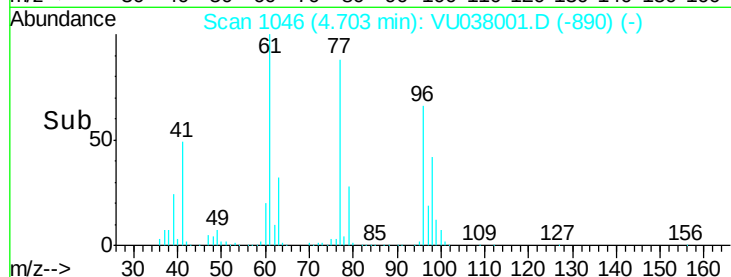
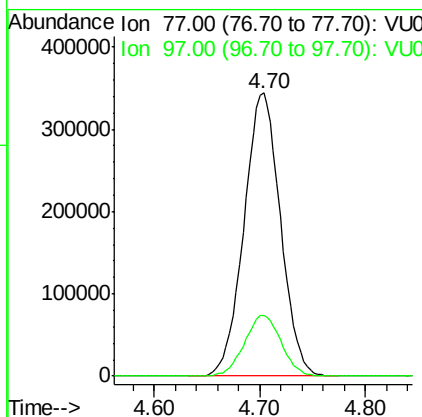
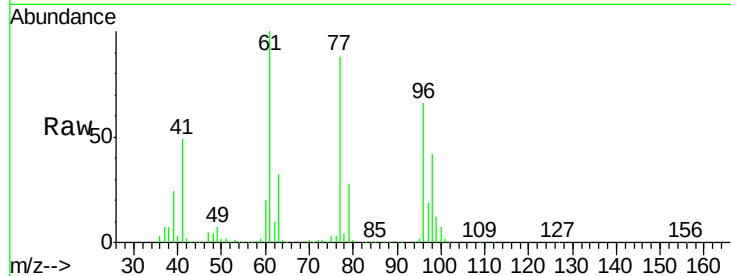
#21
 2,2-Dichloropropane
 Concen: 17.883 ug/l
 RT: 4.70 min Scan# 1046
 Delta R.T. 0.00 min
 Lab File: VU038001.D
 Acq: 04 May 2020 13:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion: 77 Resp: 825863
 Ion Ratio Lower Upper
 77 100
 97 21.7 17.4 26.2

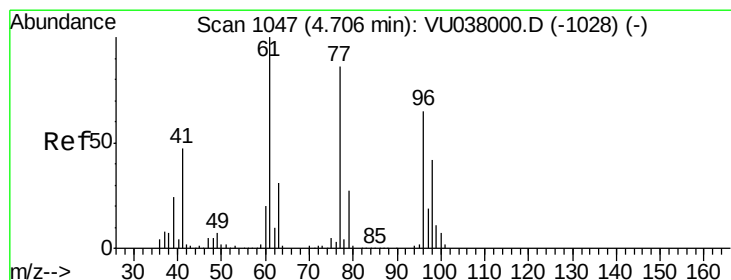
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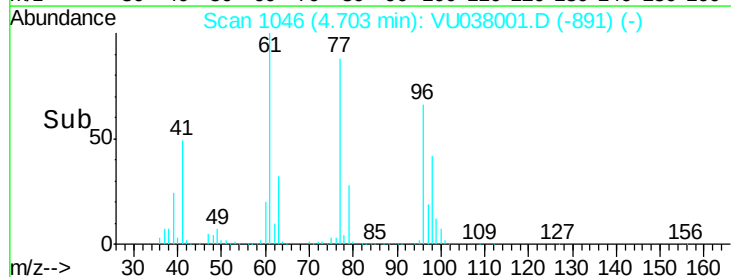
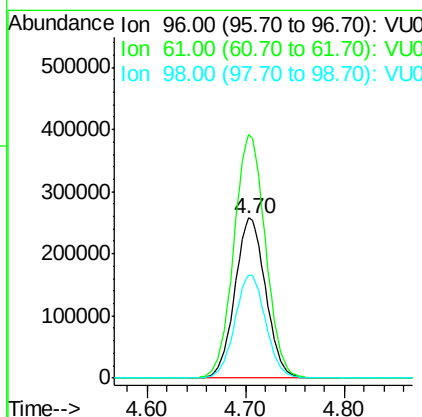
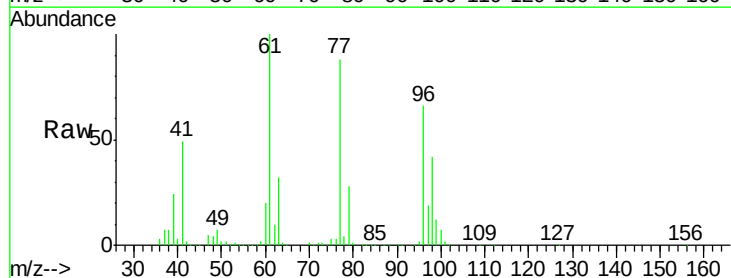
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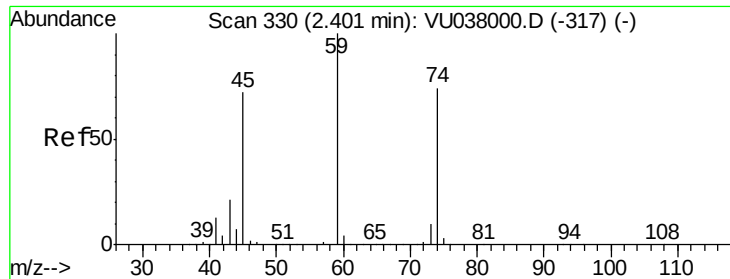
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#22
 cis-1,2-Dichloroethene
 Concen: 20.254 ug/l
 RT: 4.70 min Scan# 1046
 Delta R.T. -0.00 min
 Lab File: VU038001.D
 Acq: 04 May 2020 13:06

Tgt Ion: 96 Resp: 555962
 Ion Ratio Lower Upper
 96 100
 61 156.5 0.0 389.3
 98 64.5 32.1 96.3





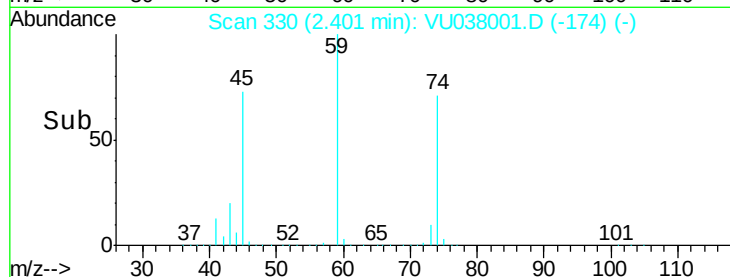
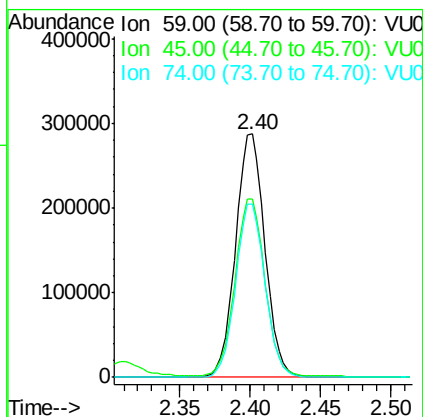
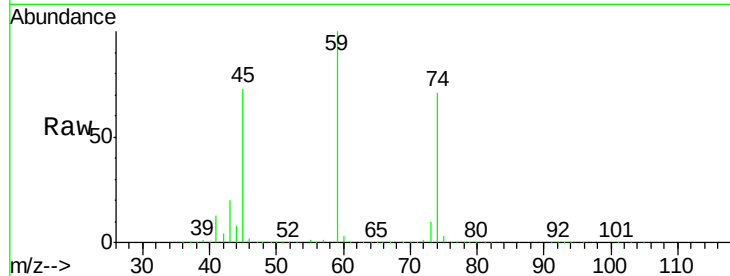
#23
Diethyl Ether
Concen: 22.921 ug/l
RT: 2.40 min Scan# 330
Delta R.T. 0.00 min
Lab File: VU038001.D
Acq: 04 May 2020 13:06

Instrument :
MSVOA_U
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
45	74.4	59.8	89.6
74	71.5	58.2	87.4

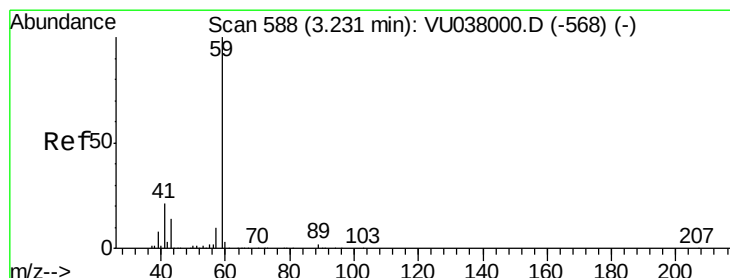
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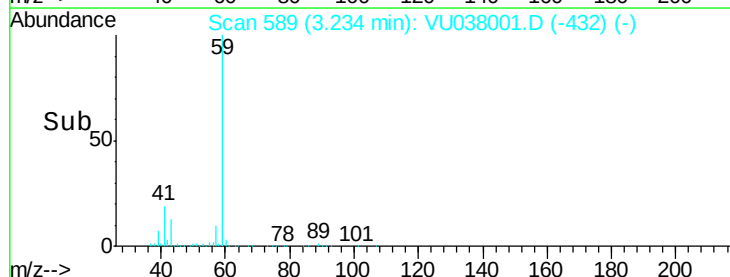
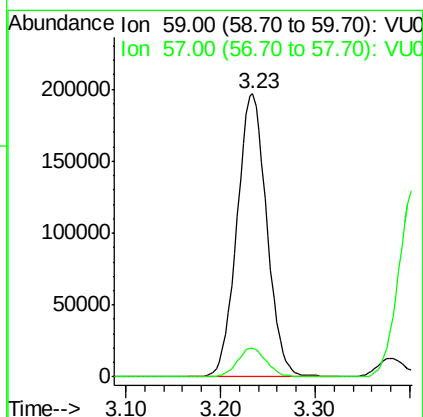
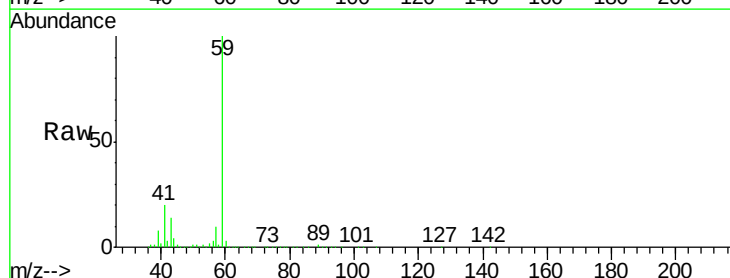
apatel

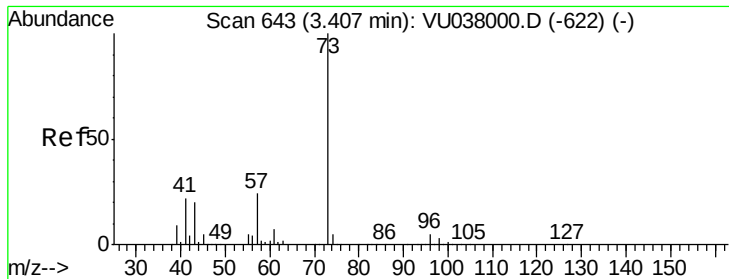
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#24
tert-Butyl Alcohol
Concen: 220.029 ug/l
RT: 3.23 min Scan# 588
Delta R.T. 0.00 min
Lab File: VU038001.D
Acq: 04 May 2020 13:06

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.2	12.4





#25

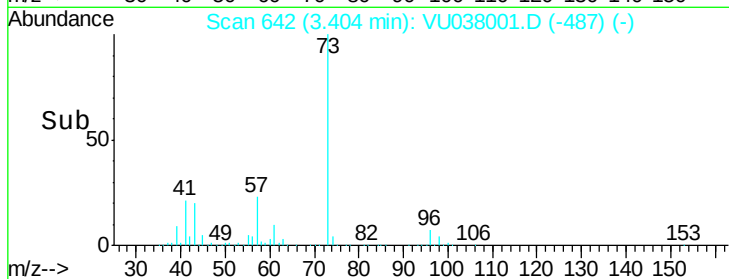
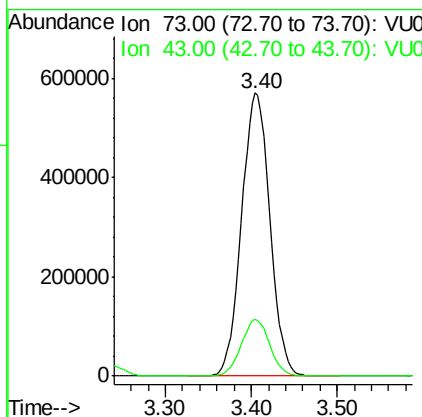
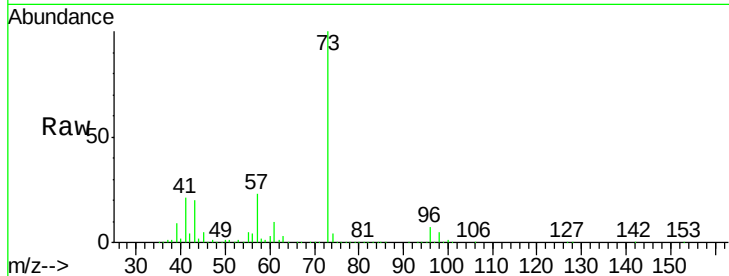
Methyl tert-Butyl Ether
 Concen: 21.026 ug/l
 RT: 3.40 min Scan# 642
 Delta R.T. -0.00 min
 Lab File: VU038001.D
 Acq: 04 May 2020 13:06

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDIC020

Tot Ion	73	Resp	1302501
Ion	Ratio	Lower	Upper
73	100		
43	20.1	16.2	24.2

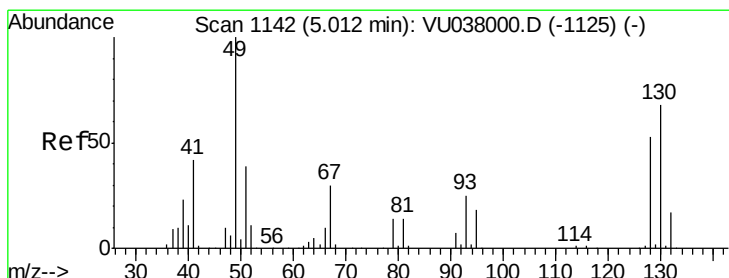
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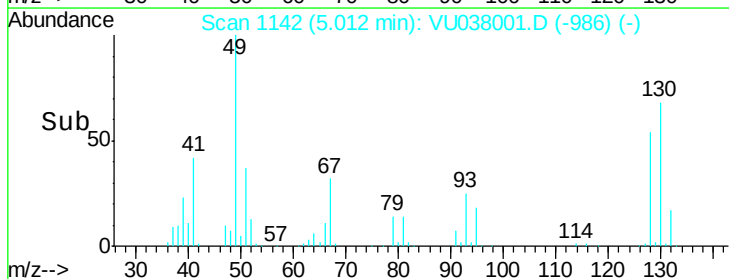
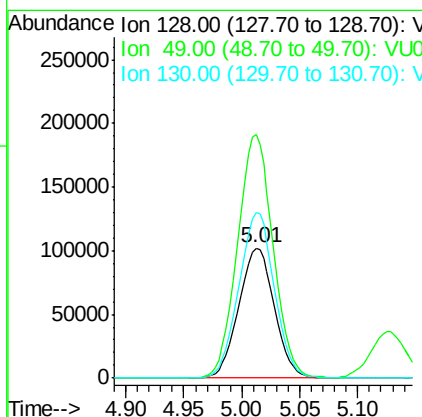
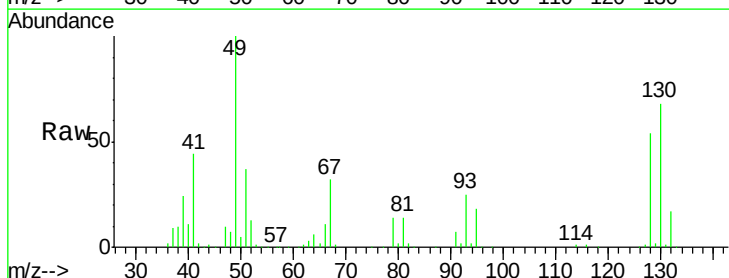
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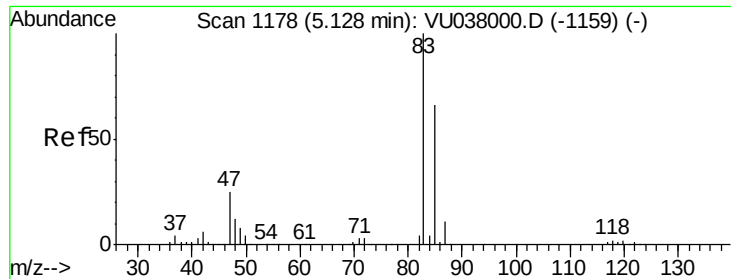


#26

Bromochloromethane
 Concen: 18.298 ug/l
 RT: 5.01 min Scan# 1142
 Delta R.T. 0.00 min
 Lab File: VU038001.D
 Acq: 04 May 2020 13:06

Tgt Ion	128	Resp	218111
Ion	Ratio	Lower	Upper
128	100		
49	186.3	0.0	376.0
130	127.3	102.6	153.8





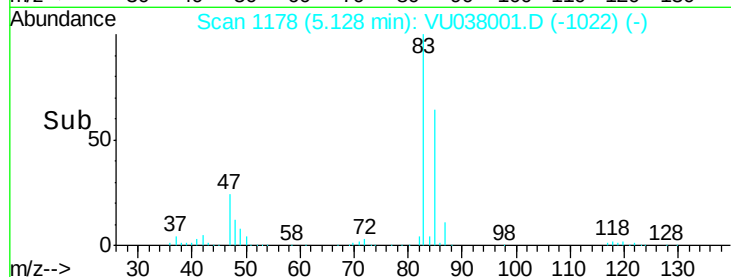
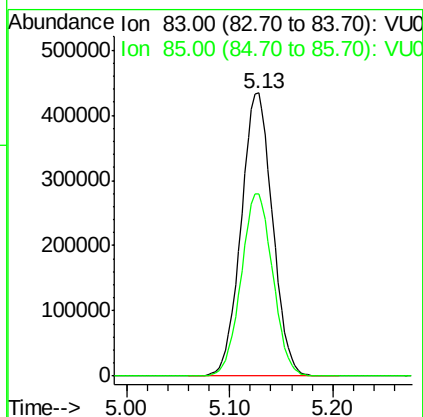
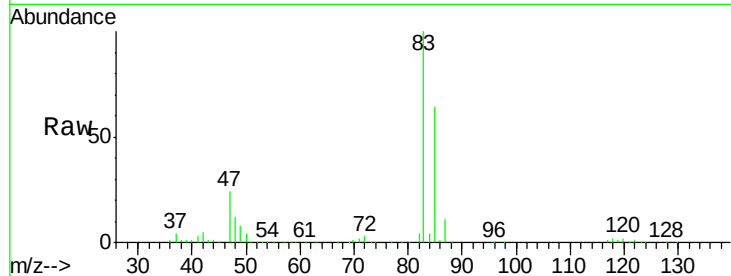
#27
Chloroform
Concen: 16.958 ug/l
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU038001.D
Acq: 04 May 2020 13:06

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	83	85	Ratio	100	64.5	Resp	919027	Lower	0.0	Upper	132.0
Ion	83	85	Ratio	100	64.5	Resp	919027	Lower	0.0	Upper	132.0

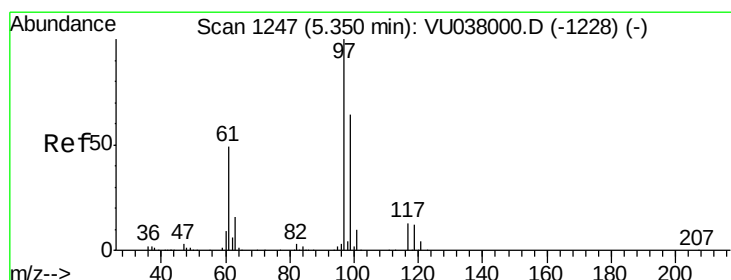
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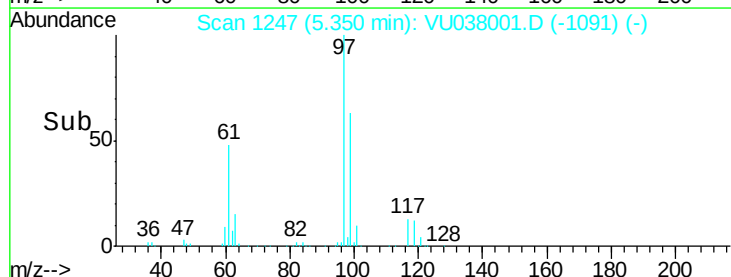
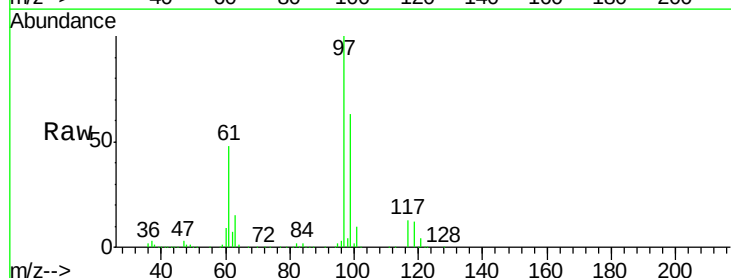
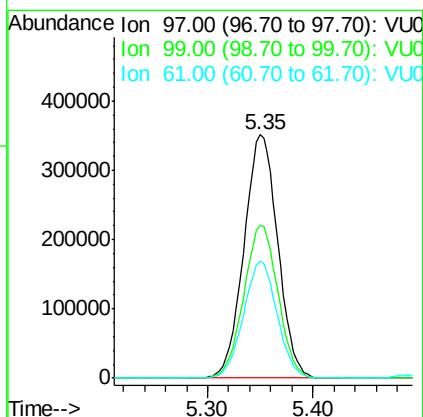
apatel

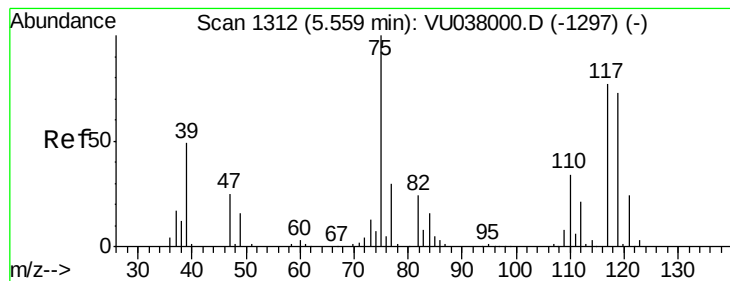
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#28
1,1,1-Trichloroethane
Concen: 17.086 ug/l
RT: 5.35 min Scan# 1247
Delta R.T. 0.00 min
Lab File: VU038001.D
Acq: 04 May 2020 13:06

Tgt Ion	97	99	61	Ratio	100	63.3	47.5	Resp	784125	Lower	31.9	24.1	Upper	95.9	72.4
Ion	97	99	61	Ratio	100	63.3	47.5	Resp	784125	Lower	31.9	24.1	Upper	95.9	72.4





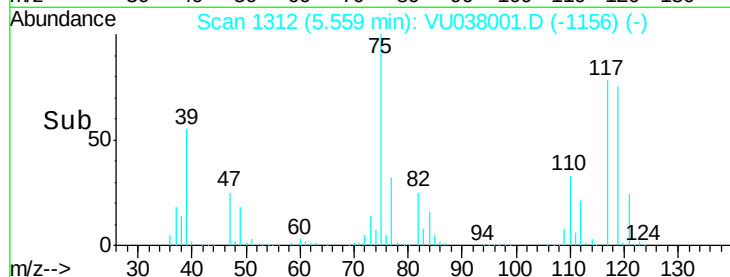
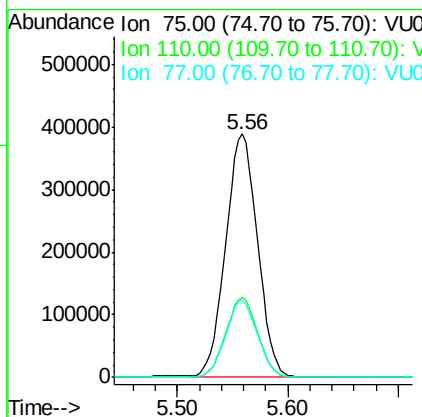
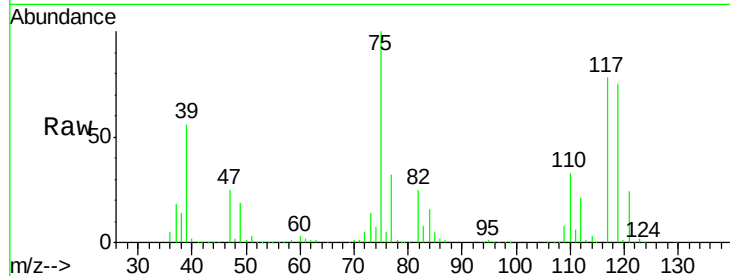
#29
 1,1-Dichloropropene
 Concen: 20.272 ug/l
 RT: 5.56 min Scan# 1312
 Delta R.T. 0.00 min
 Lab File: VU038001.D
 Acq: 04 May 2020 13:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
110	33.0	16.7	50.1
77	31.1	24.5	36.7

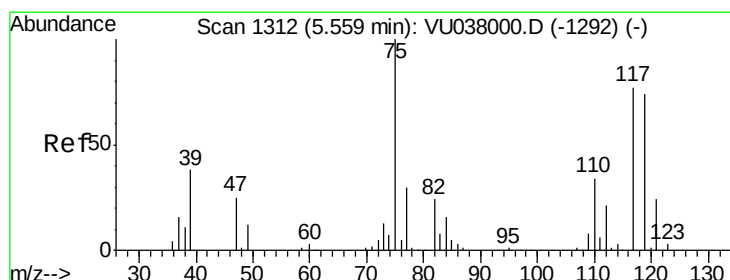
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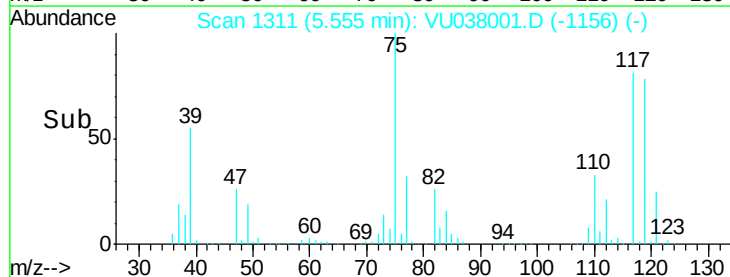
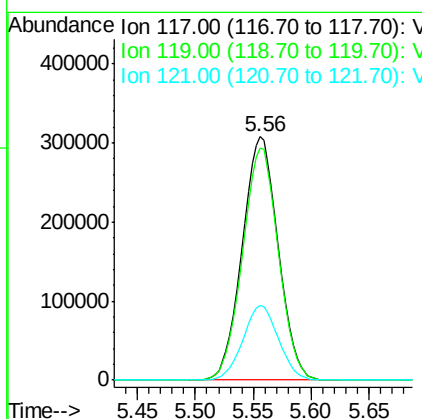
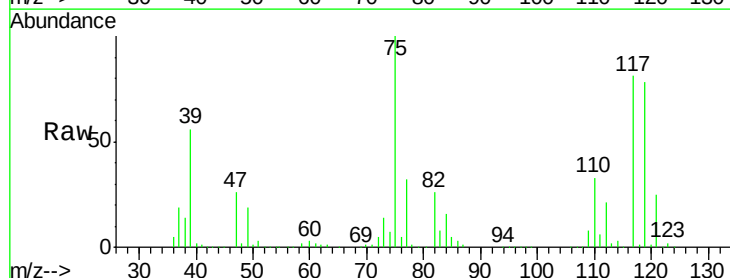
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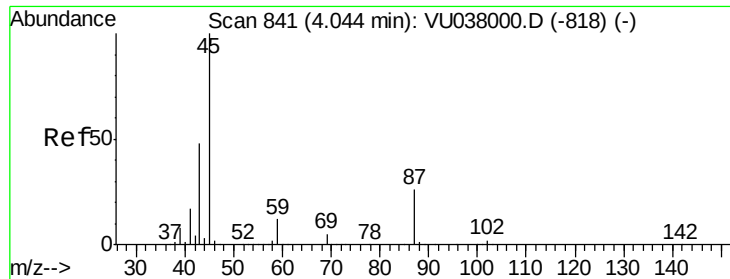
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#30
 Carbon Tetrachloride
 Concen: 16.685 ug/l
 RT: 5.56 min Scan# 1311
 Delta R.T. -0.00 min
 Lab File: VU038001.D
 Acq: 04 May 2020 13:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.3	76.3	114.5
121	30.5	24.7	37.1





#31

Isopropyl Ether

Concen: 20.650 ug/l

RT: 4.04 min Scan# 841

Delta R.T. 0.00 min

Lab File: VU038001.D

Acq: 04 May 2020 13:06

Tot Ion: 45 Resp: 1690462

Ion Ratio Lower Upper

45 100

43 47.6 24.2 72.6

Instrument :

MSVOA_U

ClientSampled :

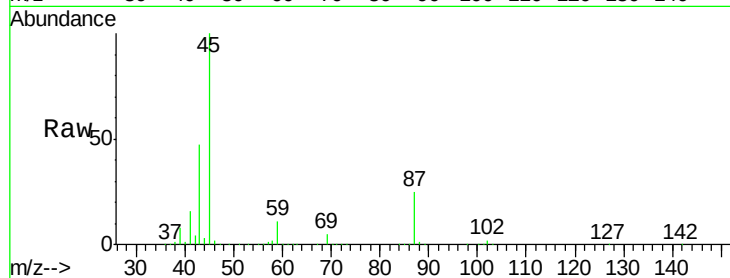
VSTDIC020

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Abundance Ion 45.00 (44.70 to 45.70): VU038001.D (-818) (-)

Ion 43.00 (42.70 to 43.70): VU038001.D (-818) (-)

4.04

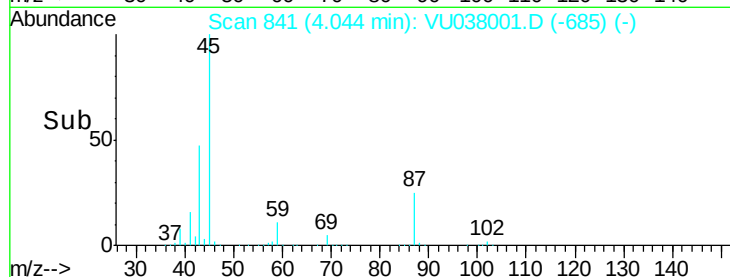
600000

400000

200000

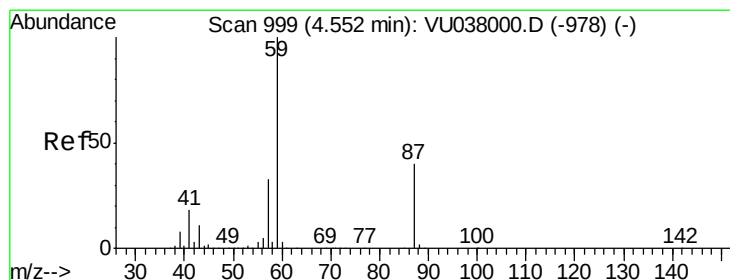
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Time-->



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#32

Ethyl-t-butyl ether

Concen: 19.858 ug/l

RT: 4.55 min Scan# 999

Delta R.T. 0.00 min

Lab File: VU038001.D

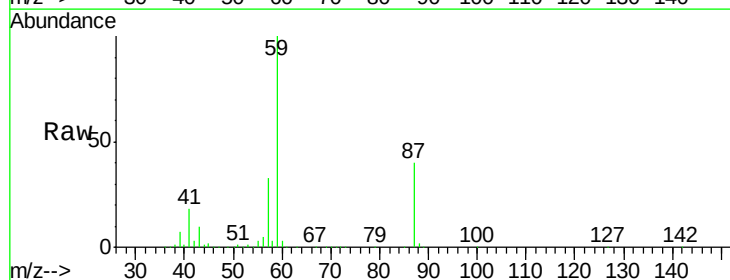
Acq: 04 May 2020 13:06

Tgt Ion: 59 Resp: 1523033

Ion Ratio Lower Upper

59 100

87 40.9 32.4 48.6



Abundance Ion 59.00 (58.70 to 59.70): VU038001.D (-978) (-)

Ion 87.00 (86.70 to 87.70): VU038001.D (-978) (-)

4.55

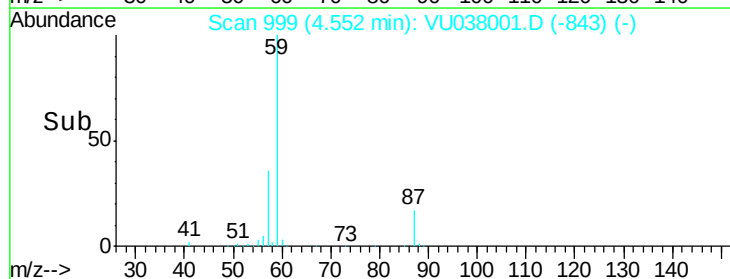
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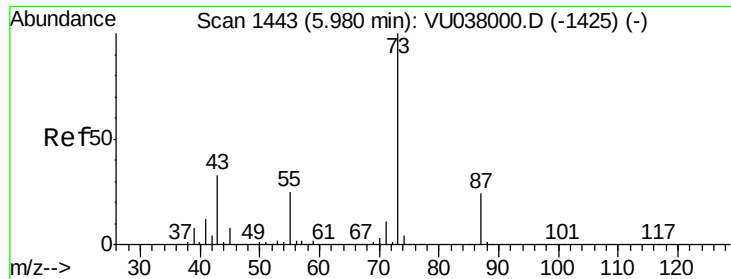
400000

200000

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Time-->





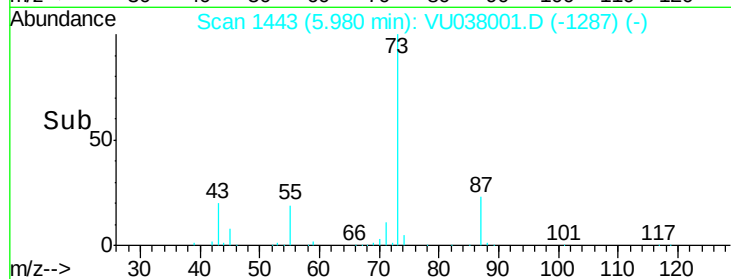
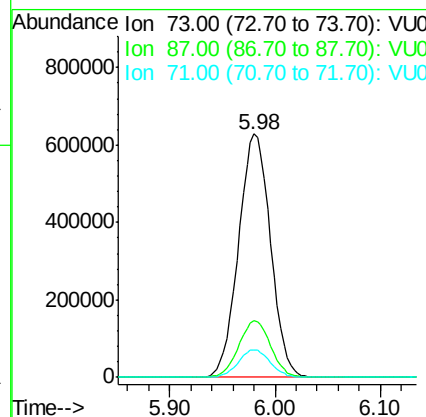
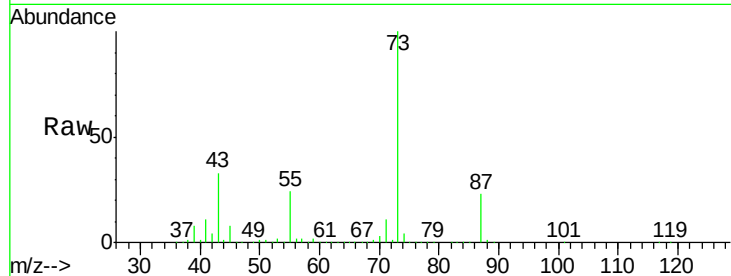
#33
Tert-Butyl methyl ether
Concen: 20.042 ug/l
RT: 5.98 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VU038001.D
Acq: 04 May 2020 13:06

Instrument :
MSVOA_U
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
87	23.4	18.9	28.3
71	11.4	9.1	13.7

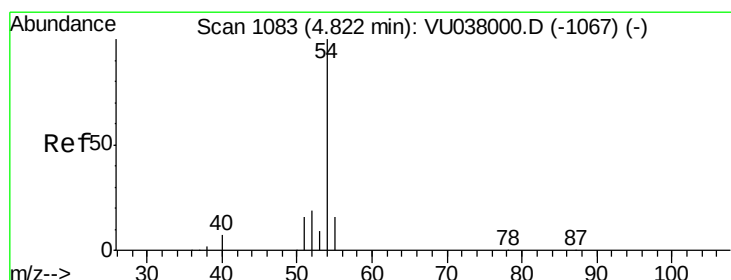
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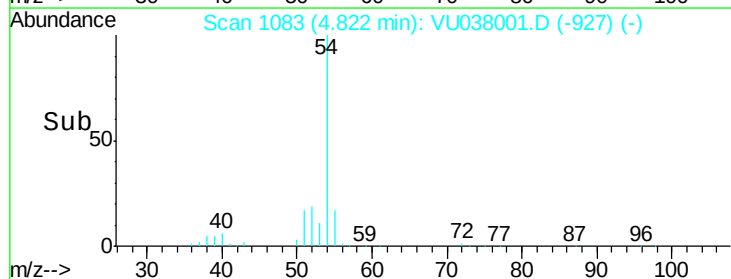
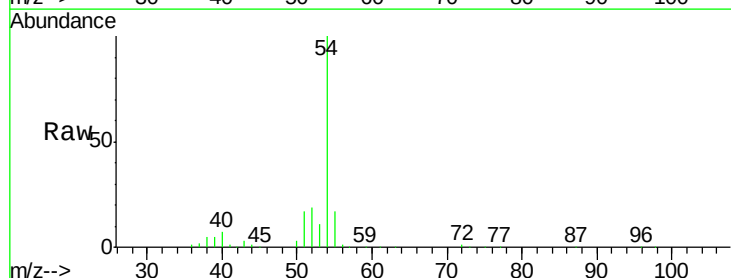
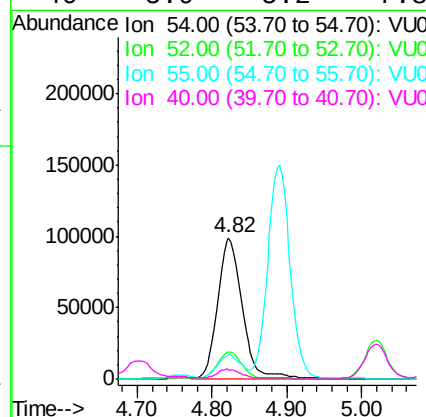
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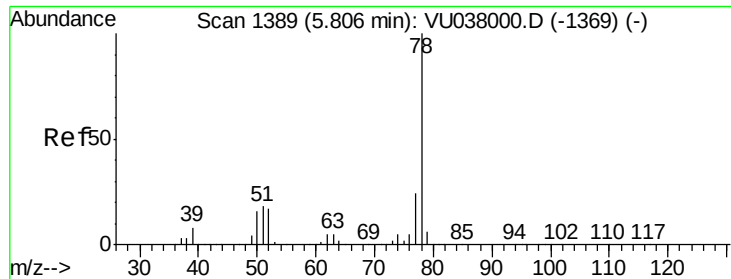
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#34
Propionitrile
Concen: 102.268 ug/l
RT: 4.82 min Scan# 1083
Delta R.T. 0.00 min
Lab File: VU038001.D
Acq: 04 May 2020 13:06

Tgt Ion	Ratio	Lower	Upper
54	100		
52	18.4	15.8	23.8
55	15.6	13.2	19.8
40	5.9	5.2	7.8





#35

Benzene

Concen: 19.832 ug/l

RT: 5.81 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VU038001.D

Acq: 04 May 2020 13:06

Tot Ion: 78 Resp: 2155926

Ion Ratio Lower Upper

78 100

77 24.1 19.3 28.9

Instrument :

MSVOA_U

ClientSampleId :

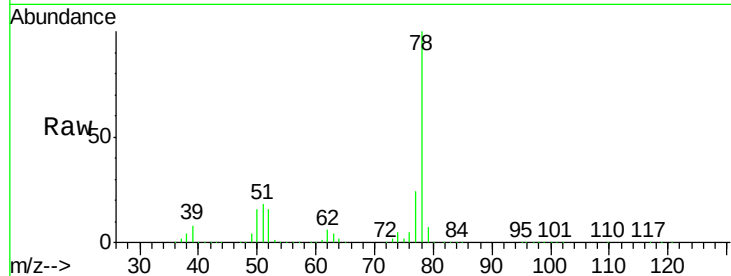
VSTDIC020

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Abundance Ion 78.10 (77.80 to 78.80): VU038001.D (-1233) (-)

Ion 77.00 (76.70 to 77.70): VU038001.D (-1233) (-)

5.81

1200000

1000000

800000

600000

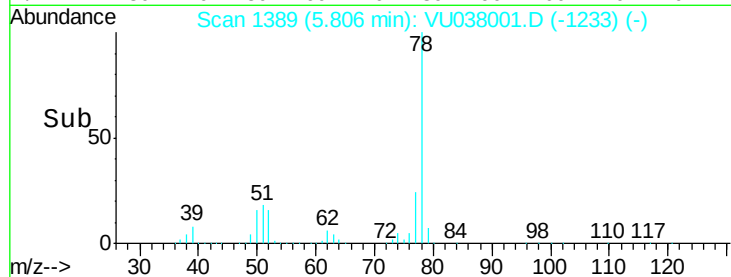
400000

200000

0

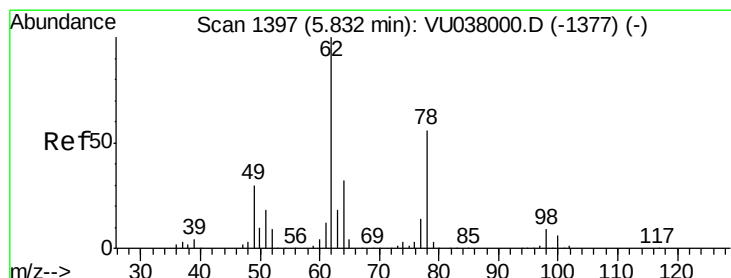
Time-->

5.70 5.80 5.90



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#36

1,2-Dichloroethane

Concen: 16.313 ug/l

RT: 5.83 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VU038001.D

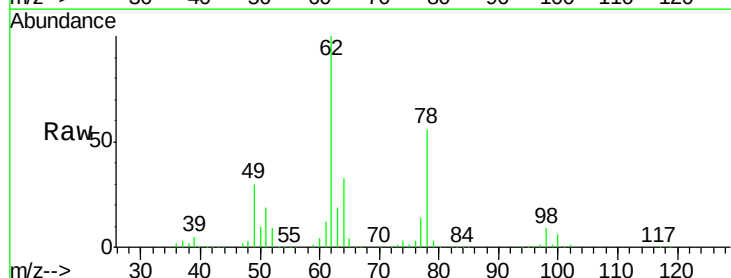
Acq: 04 May 2020 13:06

Tgt Ion: 62 Resp: 626447

Ion Ratio Lower Upper

62 100

98 9.1 7.3 10.9



Abundance Ion 62.00 (61.70 to 62.70): VU038001.D (-1241) (-)

Ion 98.00 (97.70 to 98.70): VU038001.D (-1241) (-)

5.83

300000

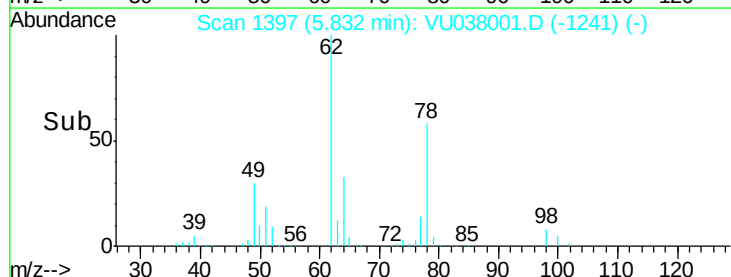
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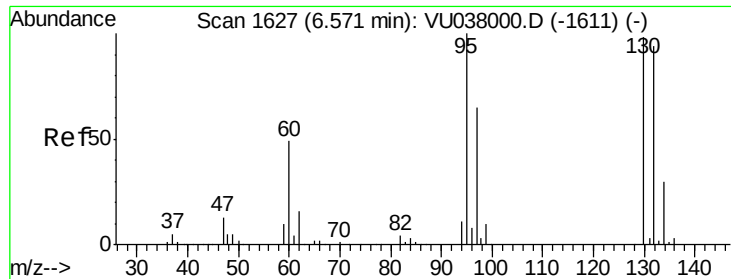
100000

0

Time-->

5.70 5.80 5.90





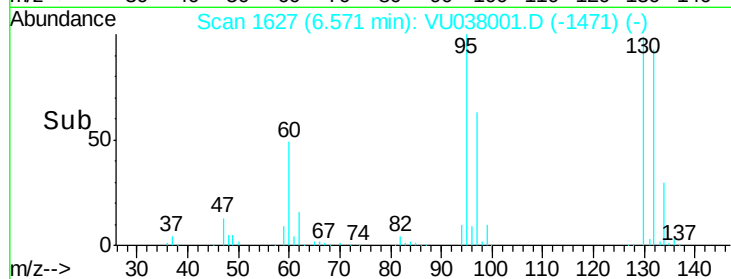
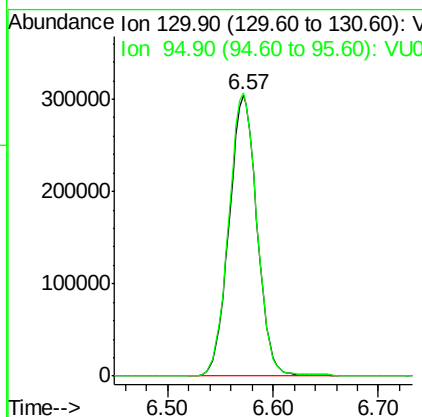
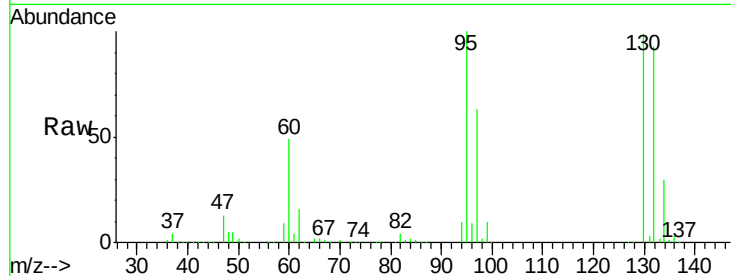
#37
 Trichloroethene
 Concen: 19.469 ug/l
 RT: 6.57 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VU038001.D
 Acq: 04 May 2020 13:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
130	100	556212		
95	100.7	81.6	122.4	

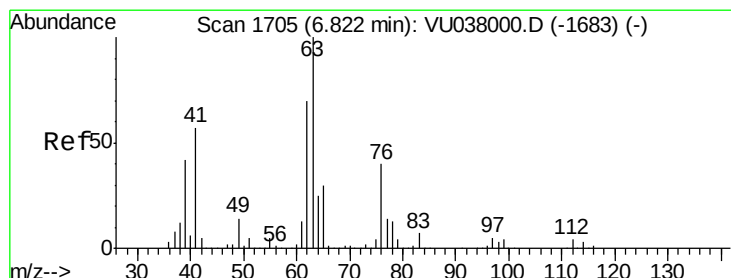
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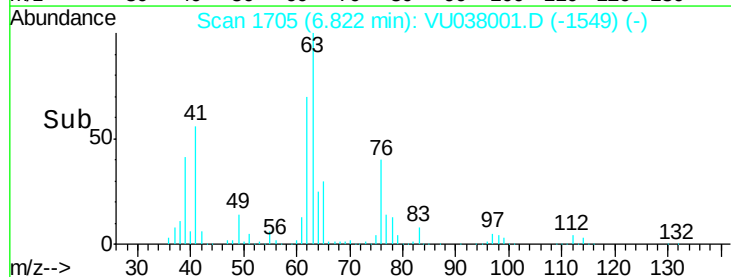
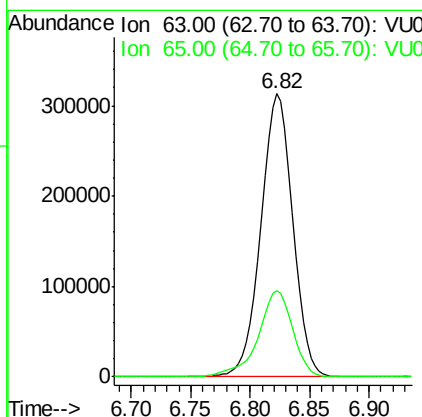
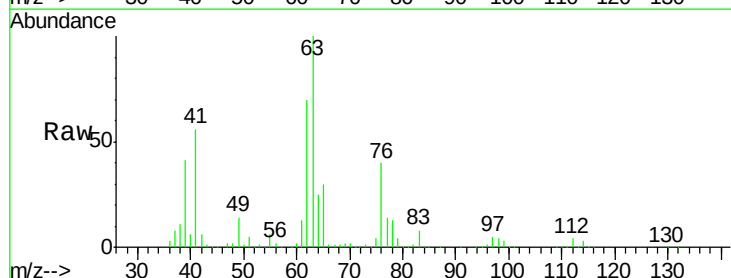
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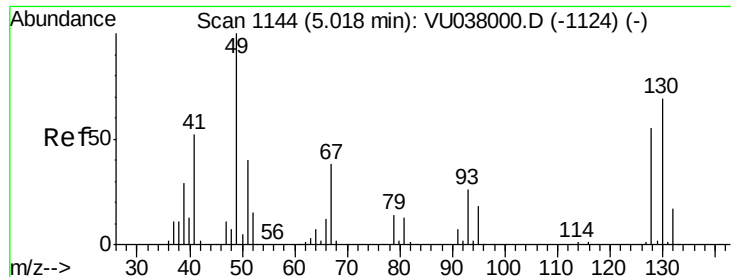
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#38
 1,2-Dichloropropane
 Concen: 19.586 ug/l
 RT: 6.82 min Scan# 1705
 Delta R.T. 0.00 min
 Lab File: VU038001.D
 Acq: 04 May 2020 13:06

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	581713		
65	30.4	24.1	36.1	





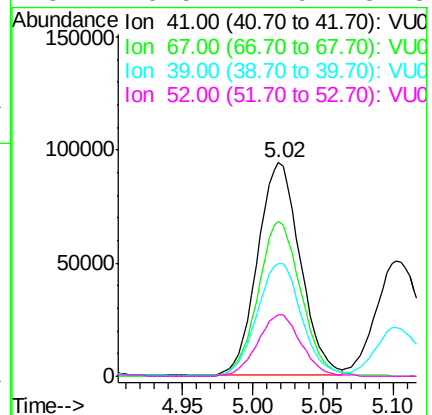
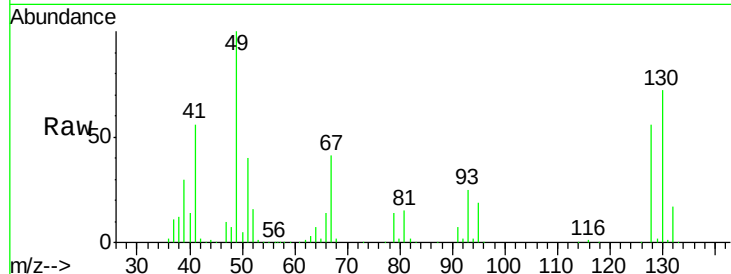
#39
Methacrylonitrile
Concen: 18.892 ug/l
RT: 5.02 min Scan# 1144
Delta R.T. 0.00 min
Lab File: VU038001.D
Acq: 04 May 2020 13:06

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
41	100	198543		
67	73.3	58.0	87.0	
39	54.6	43.2	64.8	
52	29.5	22.9	34.3	

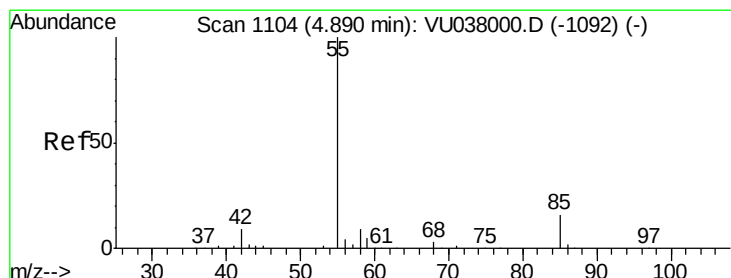
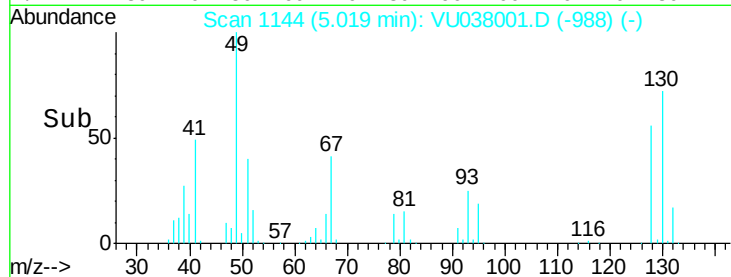
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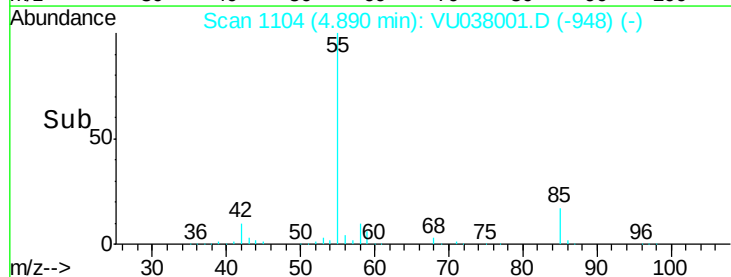
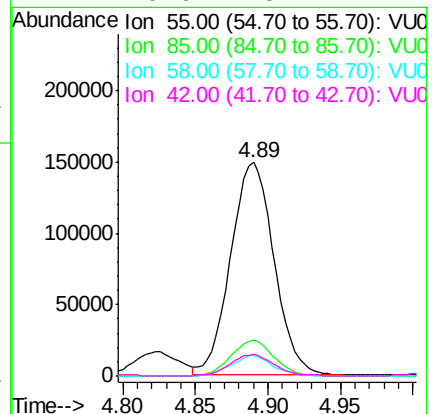
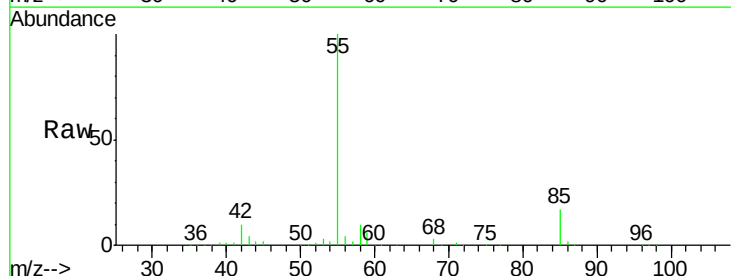
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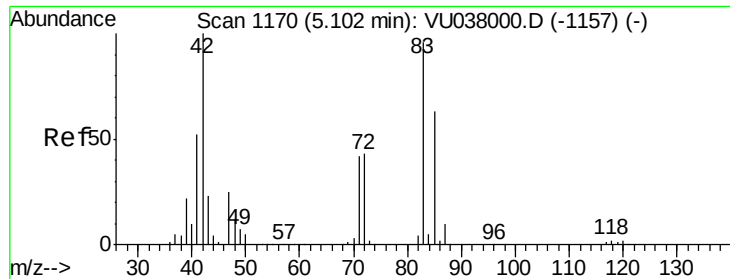
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#40
Methyl acrylate
Concen: 20.799 ug/l
RT: 4.89 min Scan# 1104
Delta R.T. 0.00 min
Lab File: VU038001.D
Acq: 04 May 2020 13:06

Tgt Ion	Ratio	Resp	Lower	Upper
55	100	308981		
85	16.9	12.9	19.3	
58	9.3	7.2	10.8	
42	9.9	8.1	12.1	





#41

Tetrahydrofuran

Concen: 37.729 ug/l

RT: 5.10 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VU038001.D

Acq: 04 May 2020 13:06

Instrument :

MSVOA_U

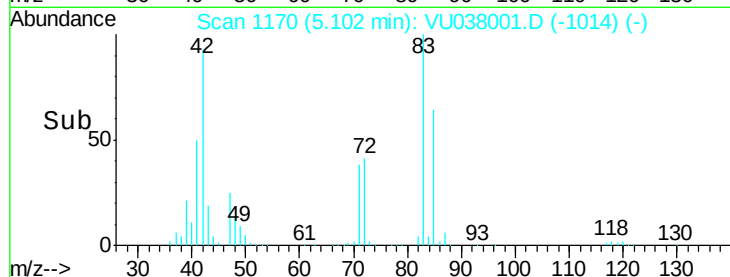
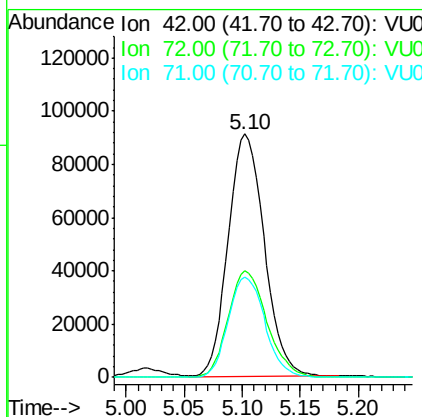
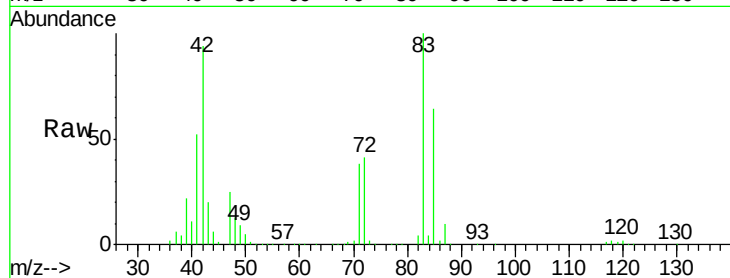
ClientSampled :

VSTDIC020

Tot Ion:	42	Resp:	197634
Ion	Ratio	Lower	Upper
42	100		
72	46.9	37.4	56.2
71	41.9	32.8	49.2

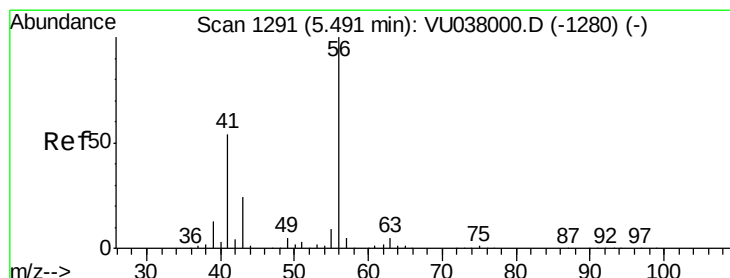
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#42

1-Chlorobutane

Concen: 20.392 ug/l

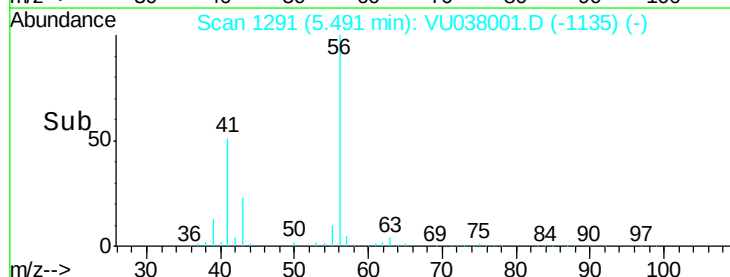
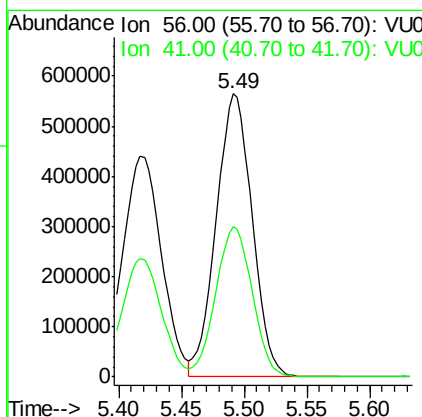
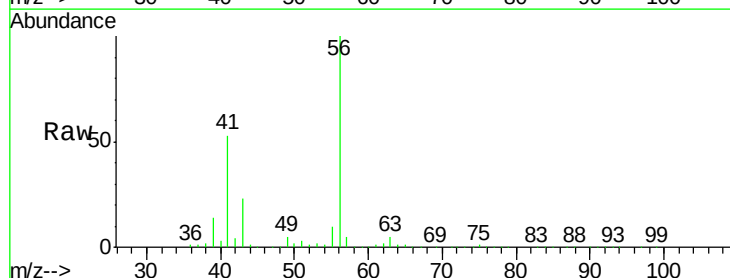
RT: 5.49 min Scan# 1291

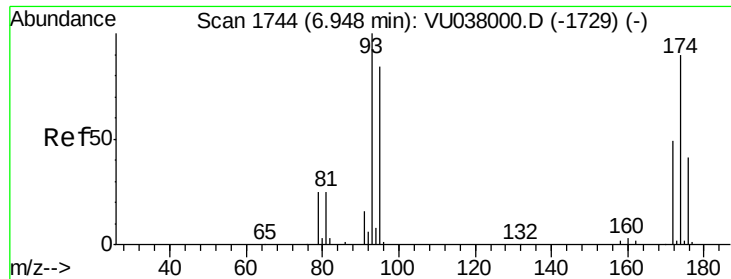
Delta R.T. 0.00 min

Lab File: VU038001.D

Acq: 04 May 2020 13:06

Tgt Ion:	56	Resp:	1122926
Ion	Ratio	Lower	Upper
56	100		
41	53.3	26.8	80.4





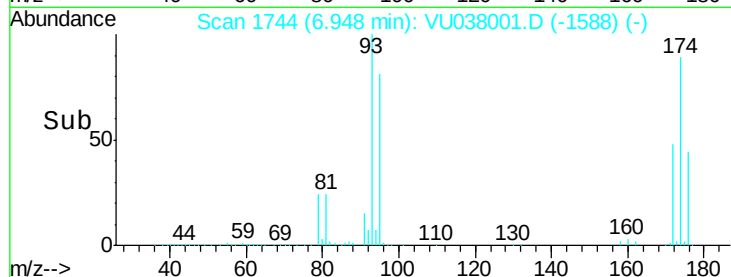
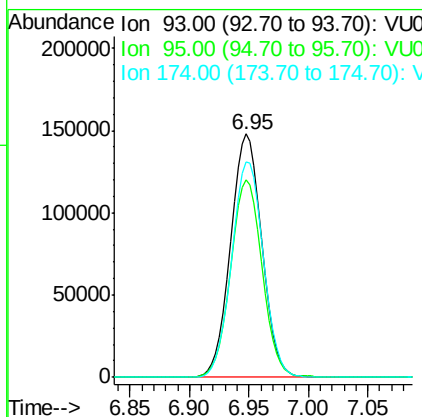
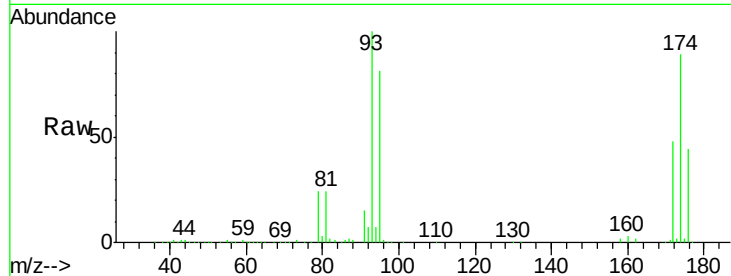
#43
Dibromomethane
Concen: 17.995 ug/l
RT: 6.95 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VU038001.D
Acq: 04 May 2020 13:06

Instrument :
MSVOA_U
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
93	100		
95	81.3	66.1	99.1
174	89.8	72.8	109.2

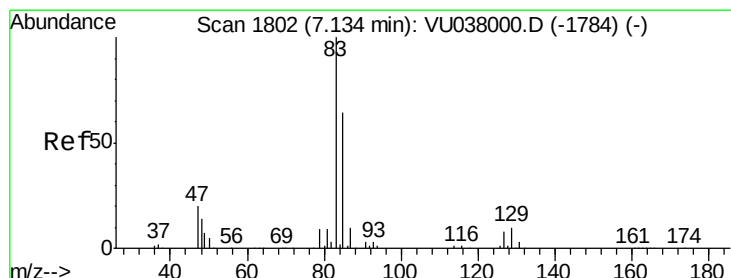
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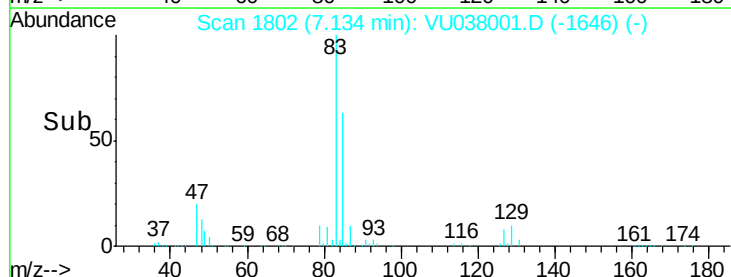
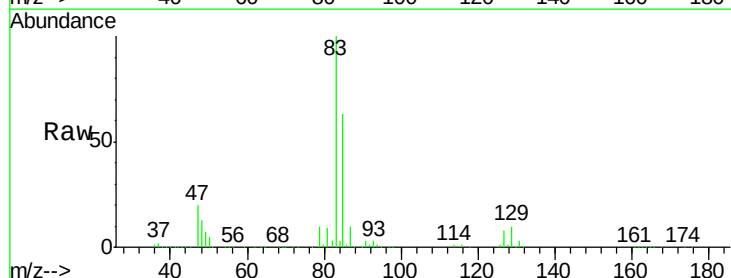
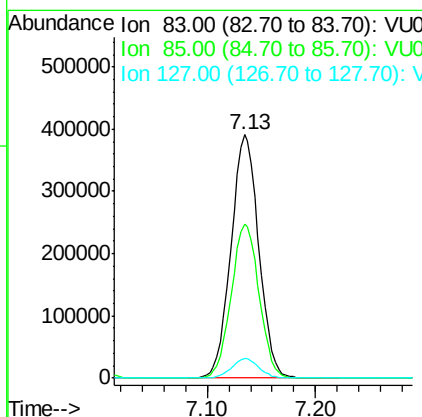
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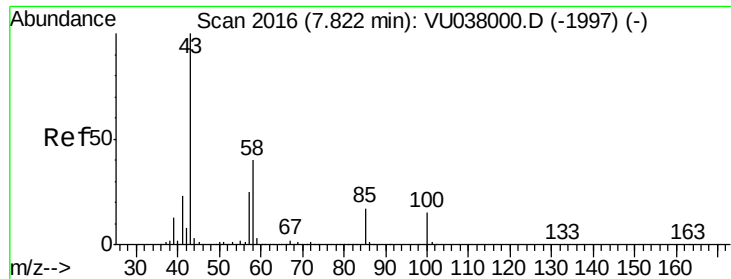
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#44
Bromodichloromethane
Concen: 17.921 ug/l
RT: 7.13 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VU038001.D
Acq: 04 May 2020 13:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.4	77.0
127	7.9	6.2	9.2





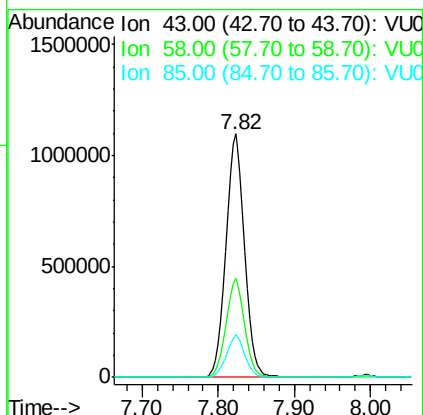
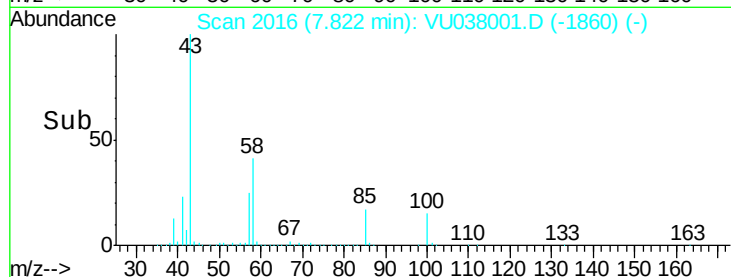
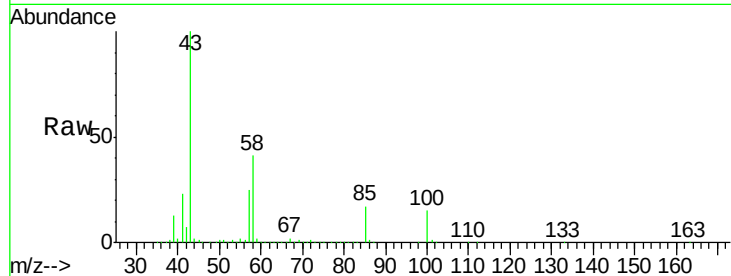
#45
4-Methyl-2-Pentanone
Concen: 93.157 ug/l
RT: 7.82 min Scan# 2016
Delta R.T. 0.00 min
Lab File: VU038001.D
Acq: 04 May 2020 13:06

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 1879644
Ion Ratio Lower Upper
43 100
58 40.5 20.1 60.3
85 17.1 13.7 20.5

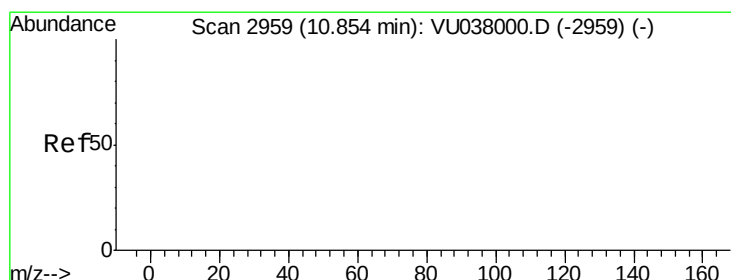
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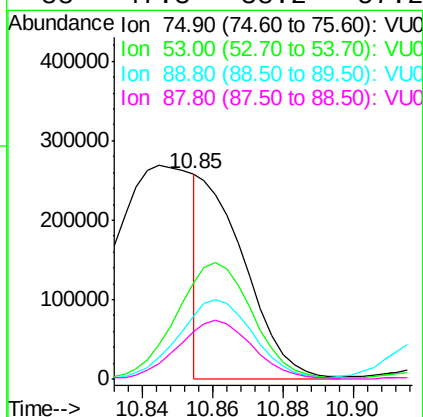
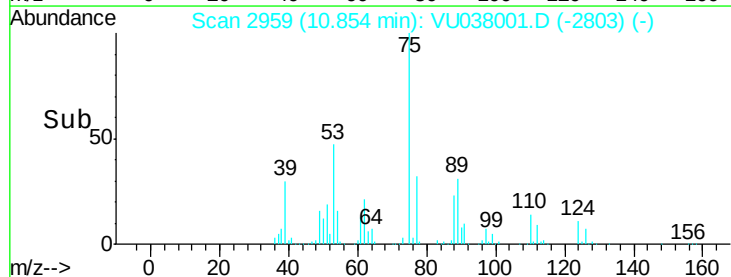
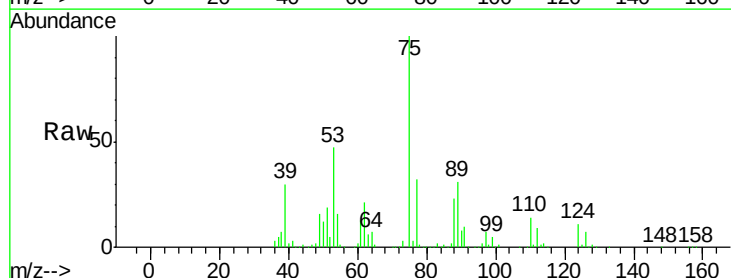
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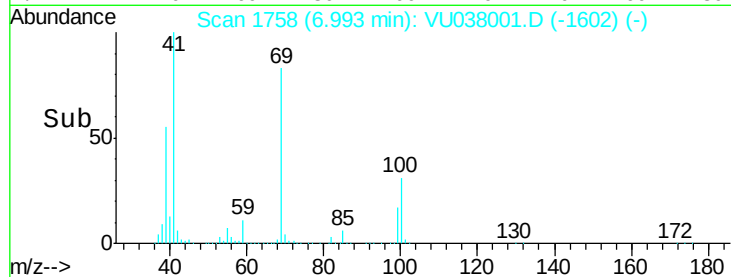
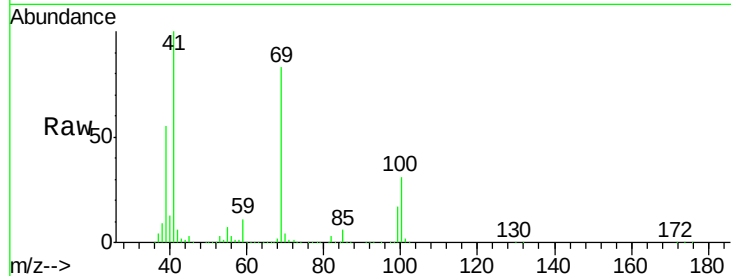
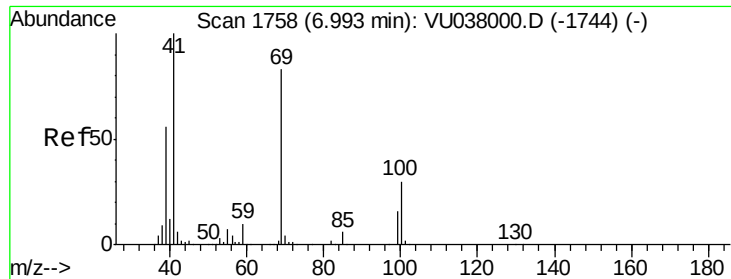
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#46
t-1,4-Dichloro-2-butene
Concen: 42.042 ug/l m
RT: 10.85 min Scan# 2959
Delta R.T. 0.00 min
Lab File: VU038001.D
Acq: 04 May 2020 13:06

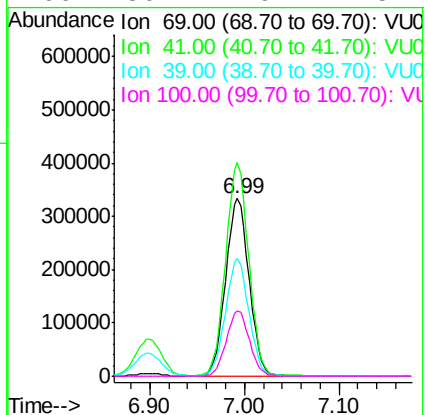
Tgt Ion: 75 Resp: 231564
Ion Ratio Lower Upper
75 100
53 95.7 81.1 121.7
89 64.5 53.2 79.8
88 47.3 38.2 57.2





#47
Methyl methacrylate
Concen: 45.125 ug/l
RT: 6.99 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VU038001.D
Acq: 04 May 2020 13:06

Tot Ion	Ion	Ratio	Resp	Lower	Upper
69	100		572214		
41	118.6	0.0	241.6		
39	65.5	52.9	79.3		
100	36.4	29.1	43.7		



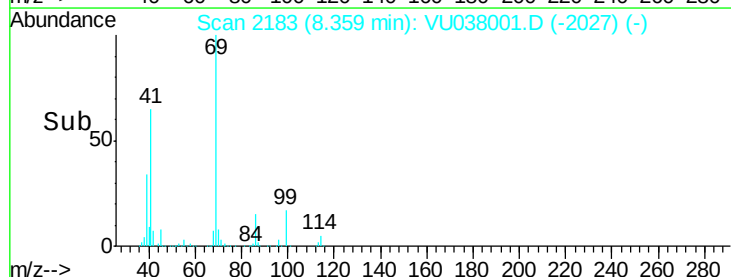
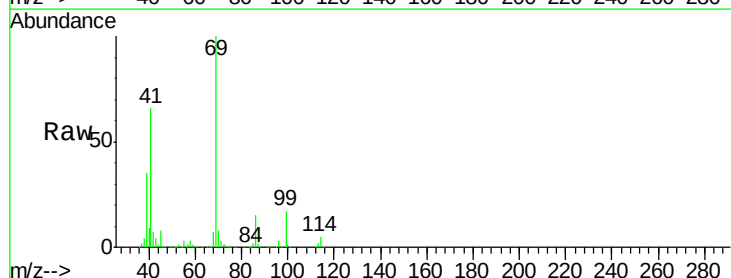
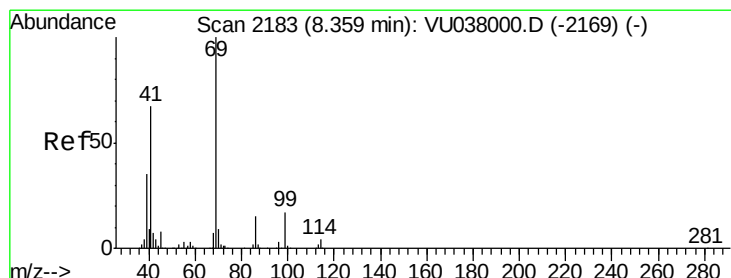
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

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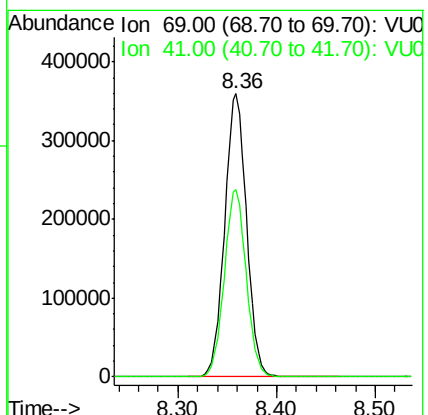
apatel

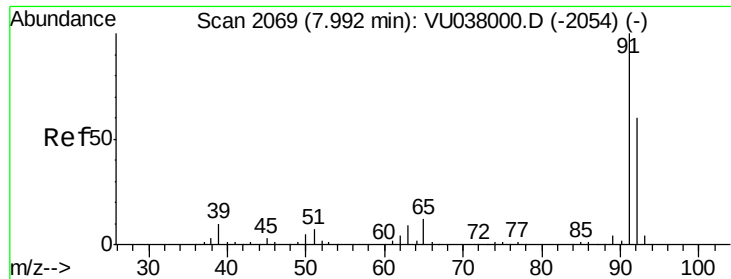
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#48
Ethyl methacrylate
Concen: 22.477 ug/l
RT: 8.36 min Scan# 2183
Delta R.T. 0.00 min
Lab File: VU038001.D
Acq: 04 May 2020 13:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		561852		
41	66.0	33.6	100.8		





#49

Toluene

Concen: 21.091 ug/l

RT: 7.99 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VU038001.D

Acq: 04 May 2020 13:06

Tot Ion: 92 Resp: 1382634

Ion Ratio Lower Upper

92 100

91 169.1 134.4 201.6

Instrument :

MSVOA_U

ClientSampleId :

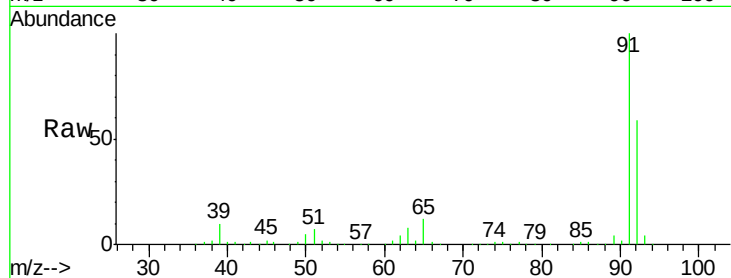
VSTDIC020

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Abundance Ion 92.00 (91.70 to 92.70): VU038001.D (-1913) (-)

Ion 91.00 (90.70 to 91.70): VU038001.D (-1913) (-)

1500000

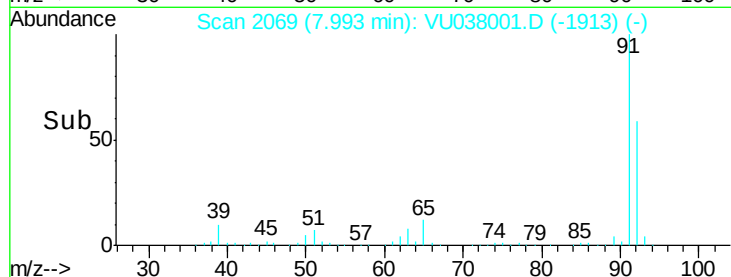
1000000

500000

0

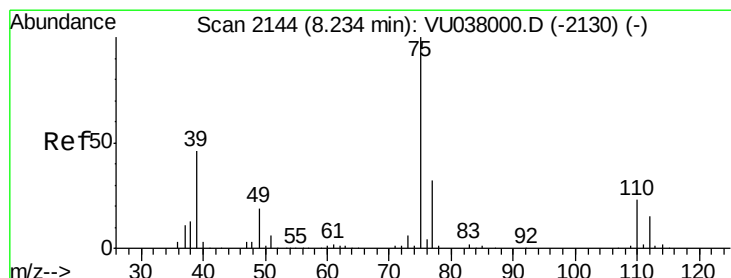
7.90 7.95 8.00 8.05 8.10

Time-->



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#50

t-1,3-Dichloropropene

Concen: 20.759 ug/l

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU038001.D

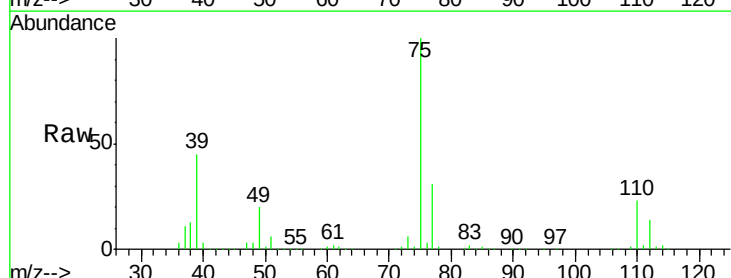
Acq: 04 May 2020 13:06

Tgt Ion: 75 Resp: 740851

Ion Ratio Lower Upper

75 100

77 30.7 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VU038001.D (-1988) (-)

Ion 77.00 (76.70 to 77.70): VU038001.D (-1988) (-)

500000

400000

300000

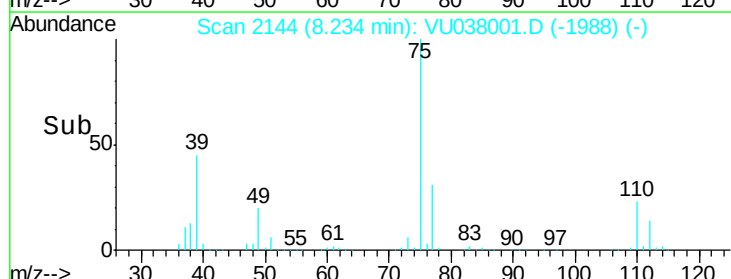
200000

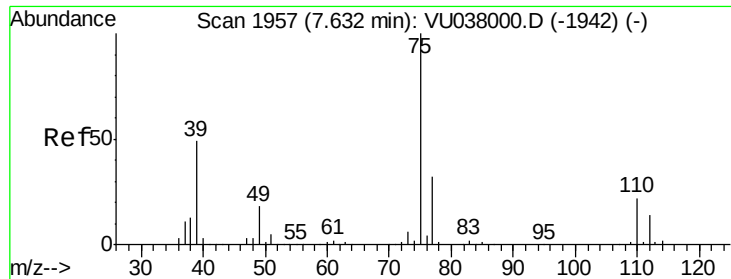
100000

0

8.15 8.20 8.25 8.30

Time-->





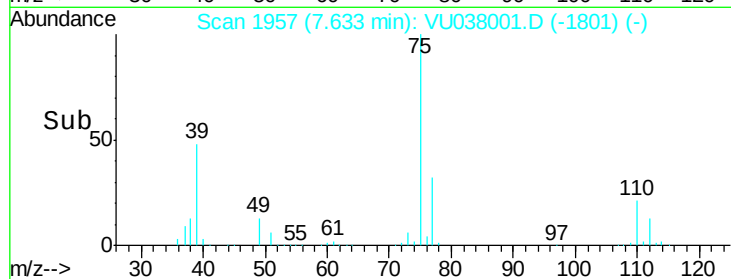
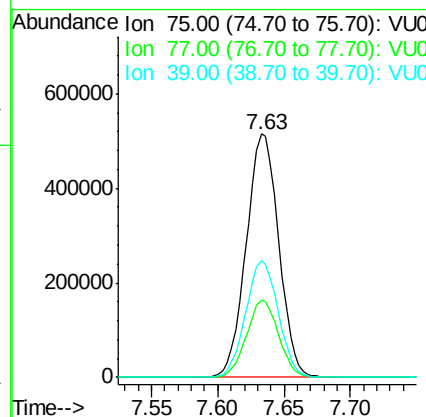
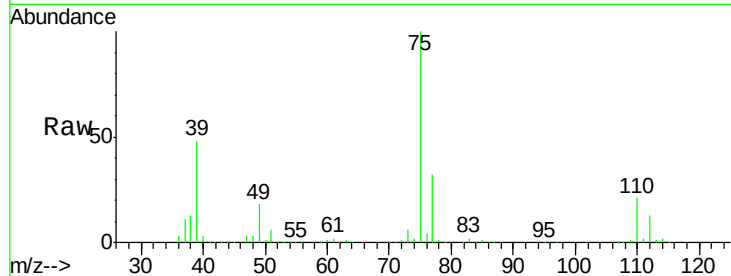
#51
 cis-1,3-Dichloropropene
 Concen: 21.363 ug/l
 RT: 7.63 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VU038001.D
 Acq: 04 May 2020 13:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.5	38.3
39	47.8	39.0	58.4

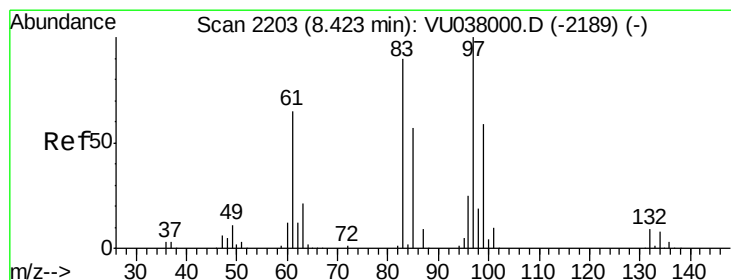
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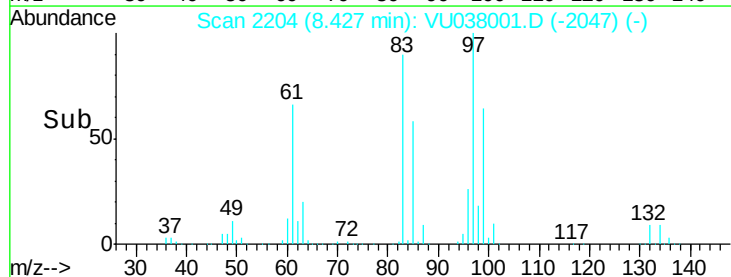
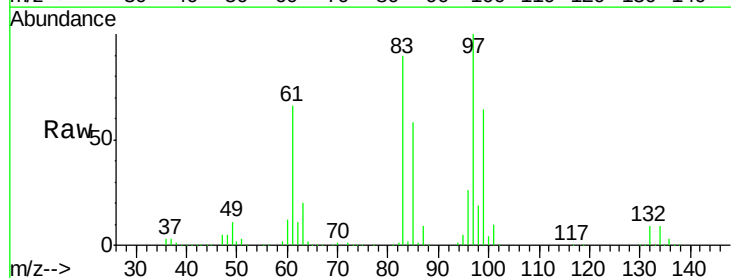
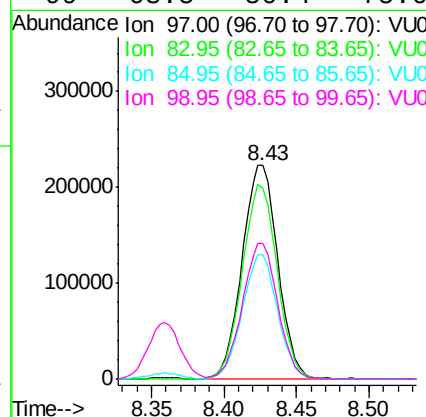
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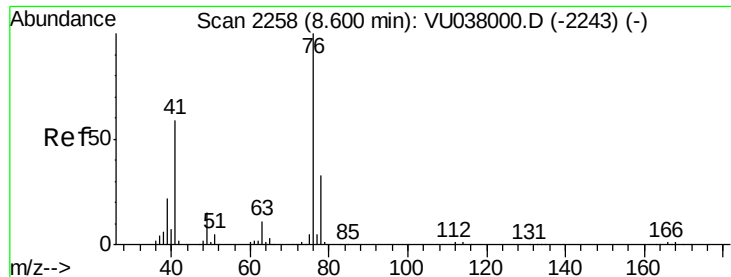
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#52
 1,1,2-Trichloroethane
 Concen: 18.854 ug/l
 RT: 8.43 min Scan# 2204
 Delta R.T. 0.00 min
 Lab File: VU038001.D
 Acq: 04 May 2020 13:06

Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.7	72.4	108.6
85	57.8	46.0	69.0
99	63.5	50.4	75.6





#53

1,3-Dichloropropane

Concen: 19.876 ug/l

RT: 8.60 min Scan# 2258

Delta R.T. 0.00 min

Lab File: VU038001.D

Acq: 04 May 2020 13:06

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 718850

Ion Ratio Lower Upper

76 100

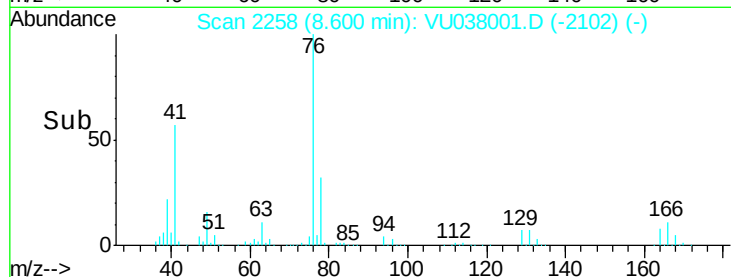
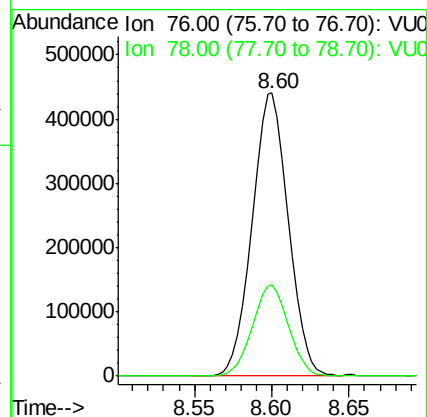
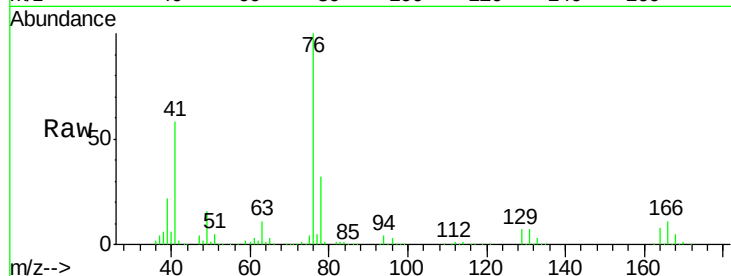
78 32.4 25.8 38.6

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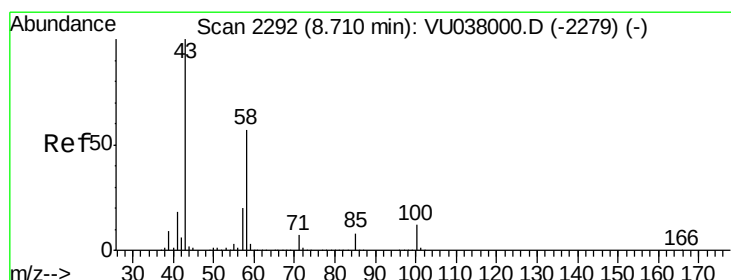
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#54

2-Hexanone

Concen: 95.241 ug/l

RT: 8.71 min Scan# 2292

Delta R.T. 0.00 min

Lab File: VU038001.D

Acq: 04 May 2020 13:06

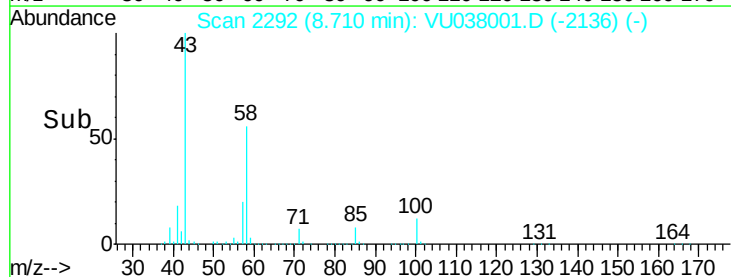
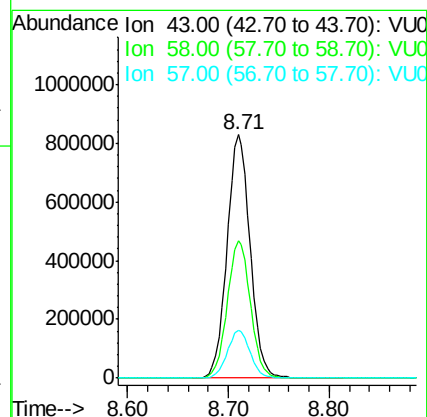
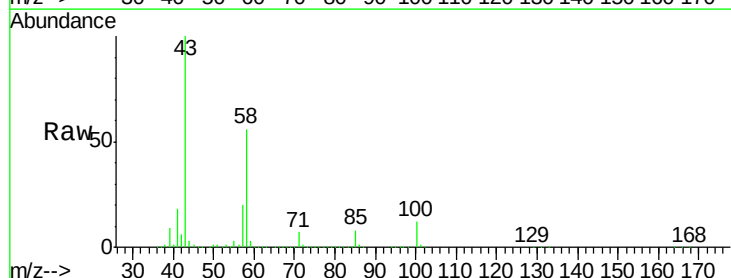
Tgt Ion: 43 Resp: 1320658

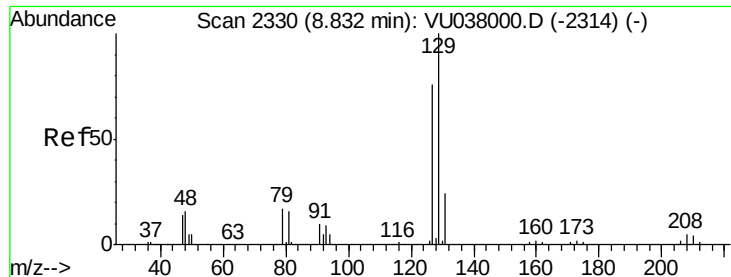
Ion Ratio Lower Upper

43 100

58 57.0 36.5 76.5

57 19.5 0.0 39.5





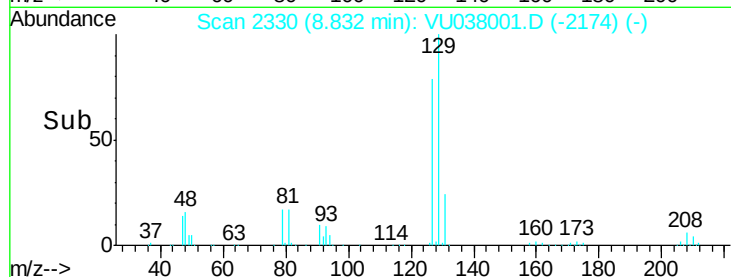
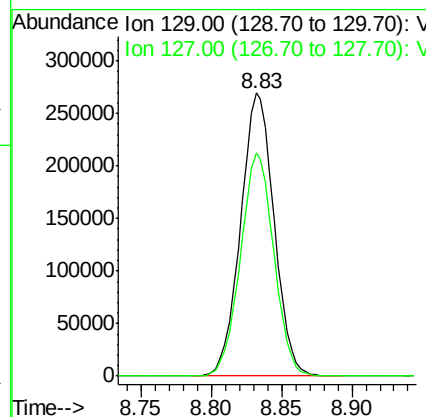
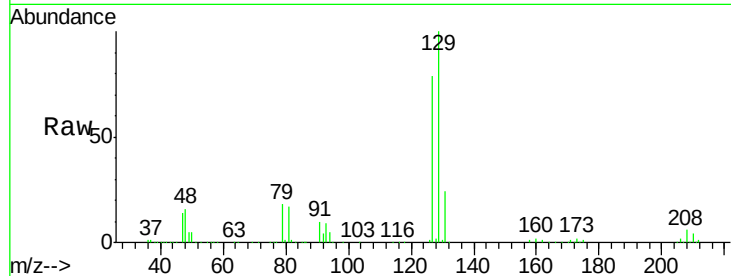
#55
Dibromochloromethane
Concen: 18.196 ug/l
RT: 8.83 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU038001.D
Acq: 04 May 2020 13:06

Instrument :
MSVOA_U
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
129	100		
127	78.6	62.2	93.2

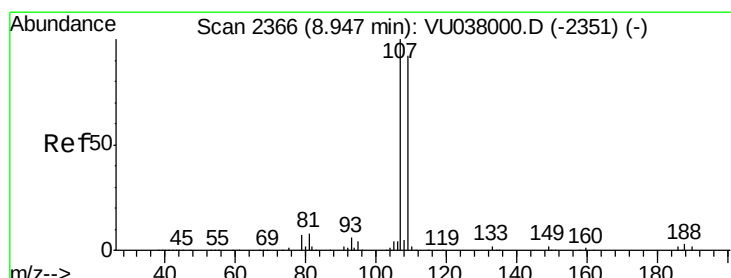
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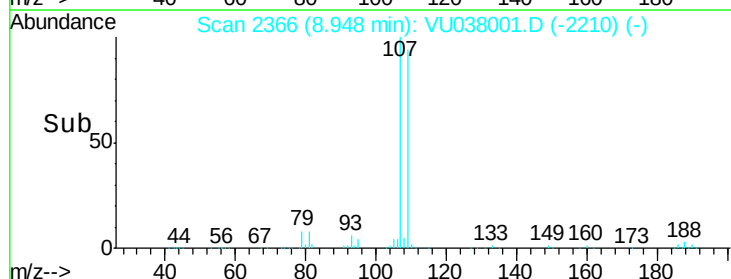
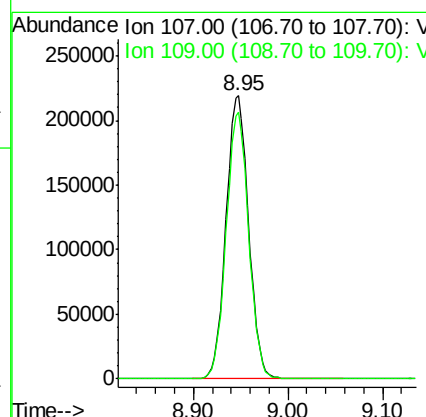
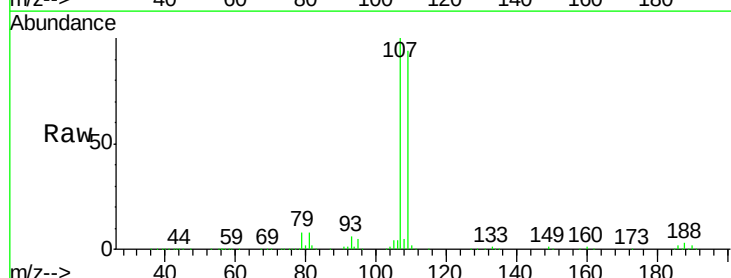
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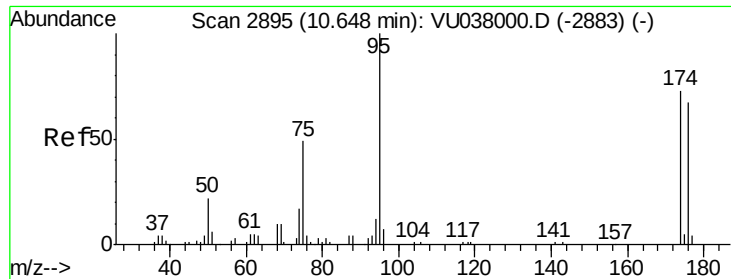
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#56
1,2-Dibromoethane
Concen: 19.256 ug/l
RT: 8.95 min Scan# 2366
Delta R.T. 0.00 min
Lab File: VU038001.D
Acq: 04 May 2020 13:06

Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.4	0.0	184.6





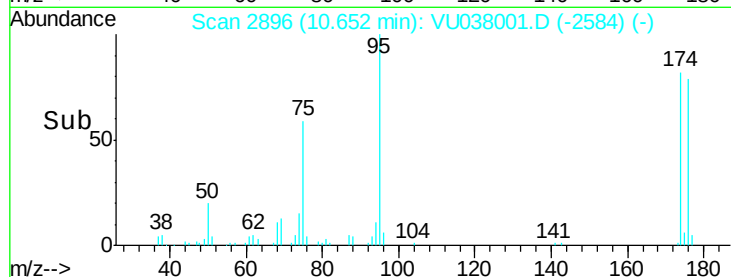
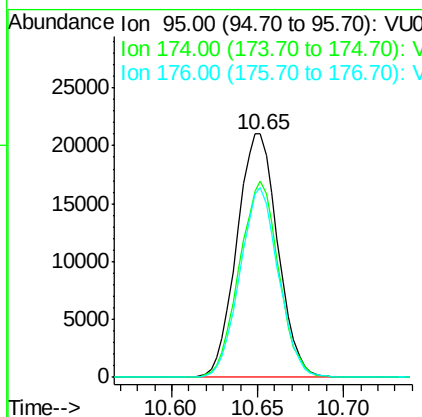
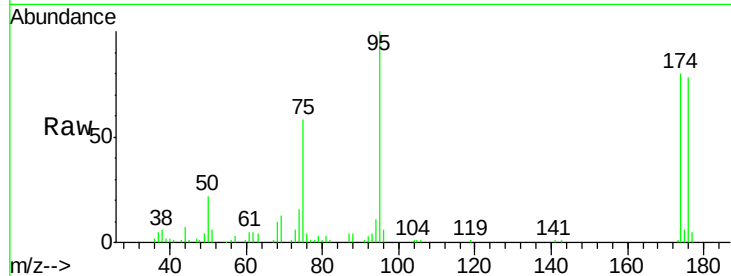
#57
4-Bromofluorobenzene
Concen: 0.988 ug/l
RT: 10.65 min Scan# 2896
Delta R.T. 0.00 min
Lab File: VU038001.D
Acq: 04 May 2020 13:06

Instrument :
MSVOA_U
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
95	100		
174	77.6	61.2	91.8
176	73.5	57.1	85.7

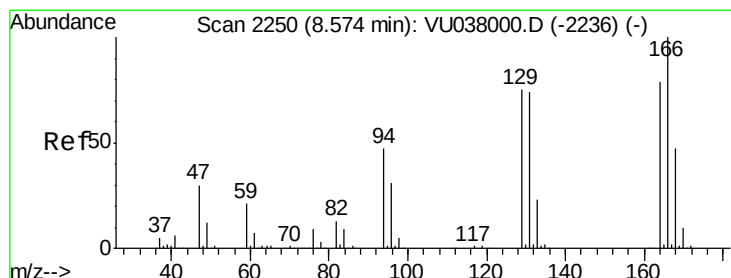
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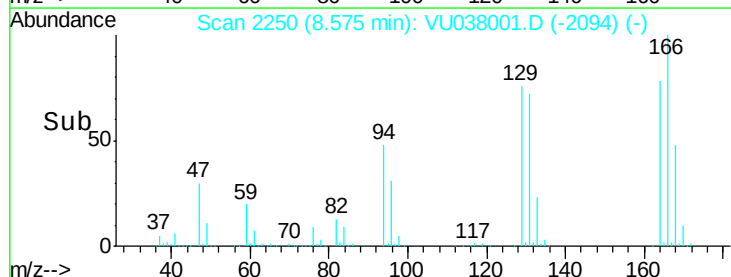
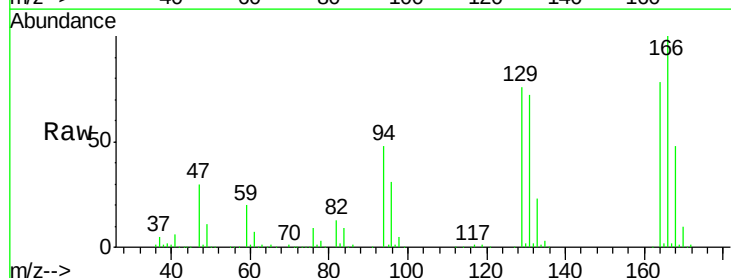
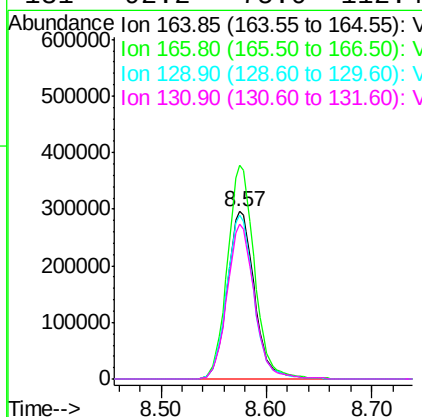
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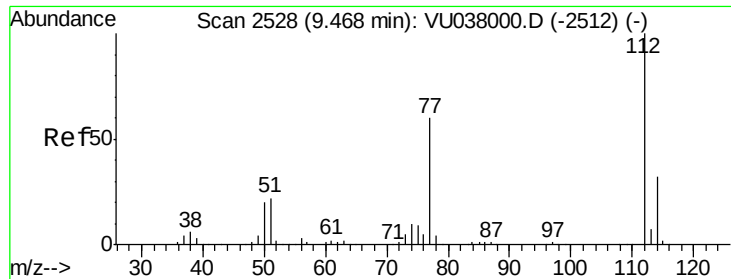
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#58
Tetrachloroethene
Concen: 19.592 ug/l
RT: 8.57 min Scan# 2250
Delta R.T. 0.00 min
Lab File: VU038001.D
Acq: 04 May 2020 13:06

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.4	101.5	152.3
129	97.5	76.6	114.8
131	92.2	75.0	112.4





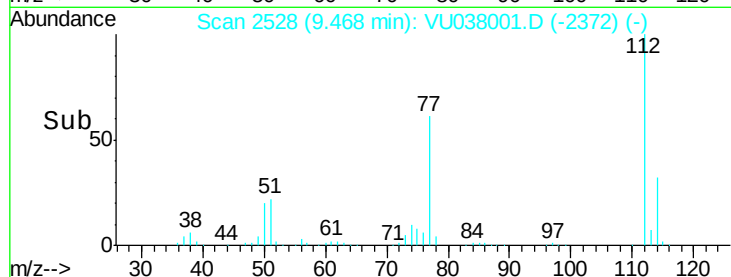
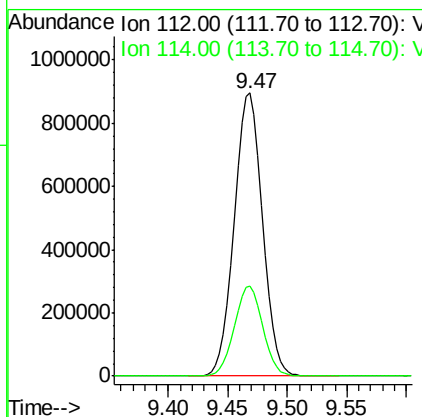
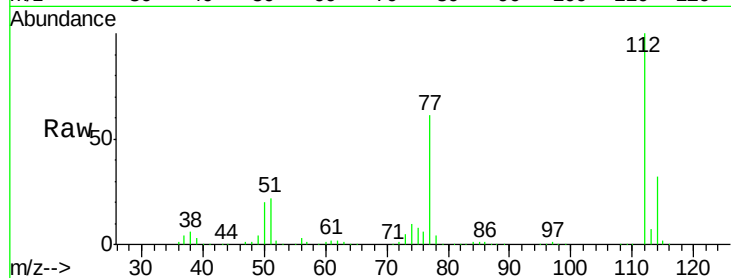
#59
Chlorobenzene
Concen: 20.191 ug/l
RT: 9.47 min Scan# 2528
Delta R.T. 0.00 min
Lab File: VU038001.D
Acq: 04 May 2020 13:06

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion:112 Resp: 1476187
Ion Ratio Lower Upper
112 100
114 31.7 25.7 38.5

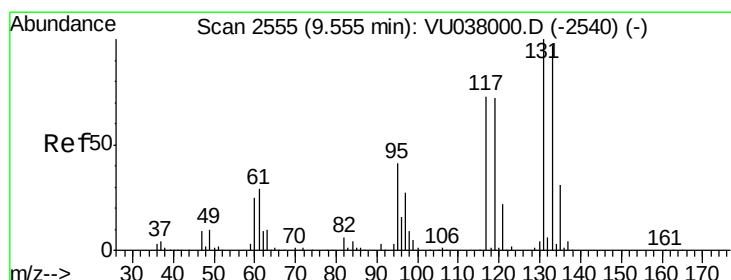
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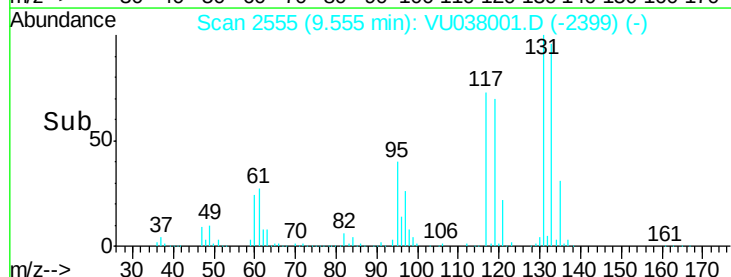
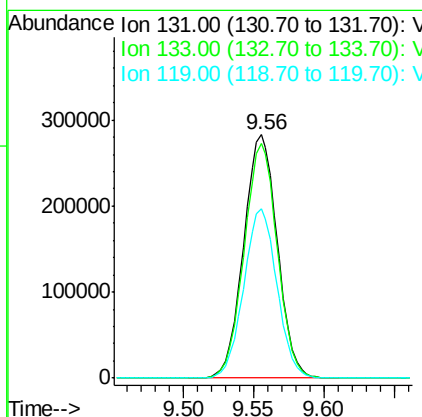
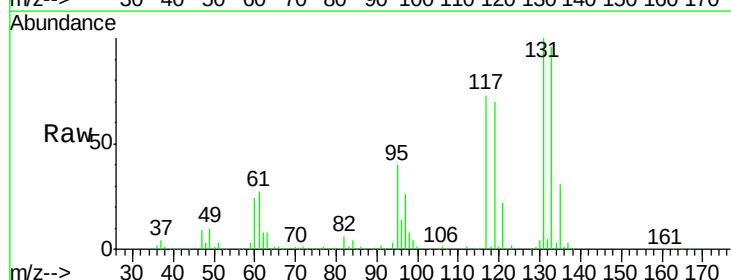
apatel

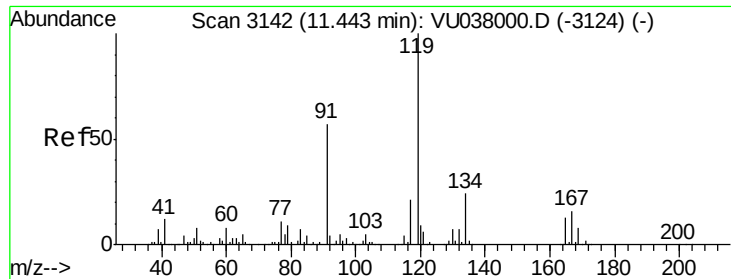
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#60
1,1,1,2-Tetrachloroethane
Concen: 18.220 ug/l
RT: 9.56 min Scan# 2555
Delta R.T. 0.00 min
Lab File: VU038001.D
Acq: 04 May 2020 13:06

Tgt Ion:131 Resp: 473248
Ion Ratio Lower Upper
131 100
133 95.0 76.8 115.2
119 68.7 56.7 85.1





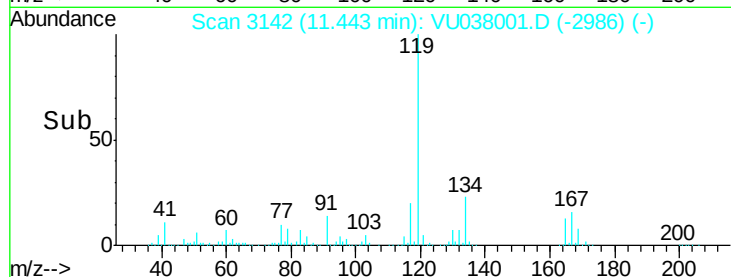
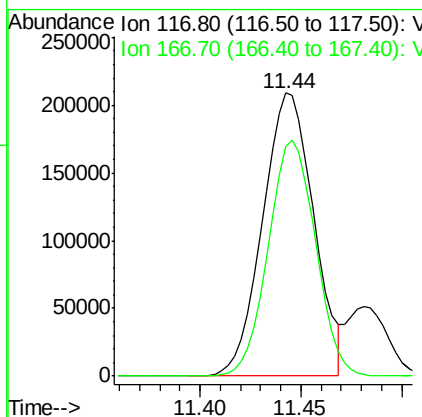
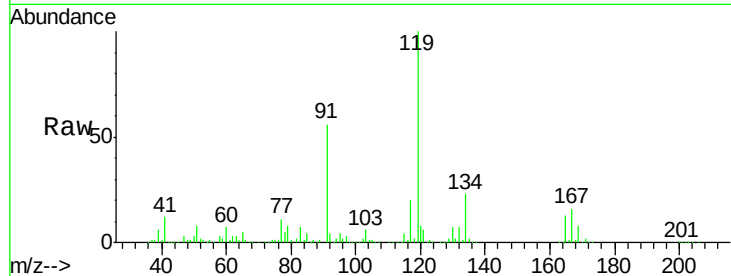
#61
 Pentachloroethane
 Concen: 18.533 ug/l
 RT: 11.44 min Scan# 3142
 Delta R.T. 0.00 min
 Lab File: VU038001.D
 Acq: 04 May 2020 13:06

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
167	76.8	60.3	90.5

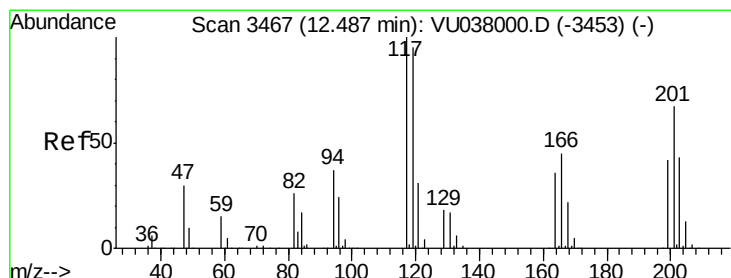
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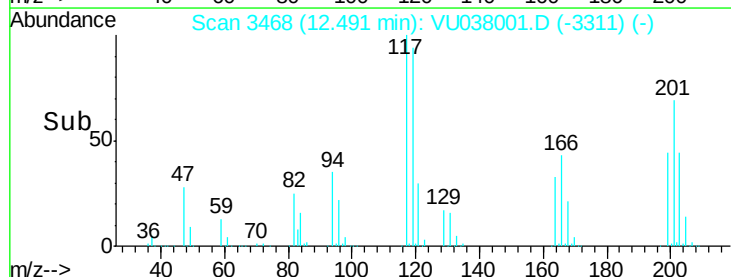
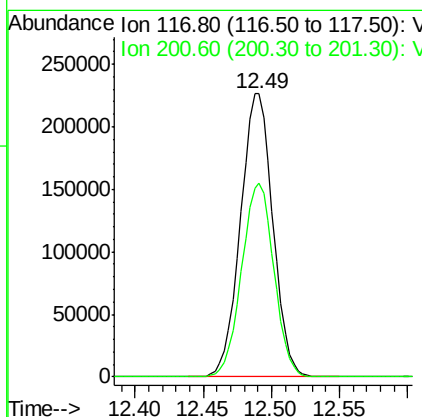
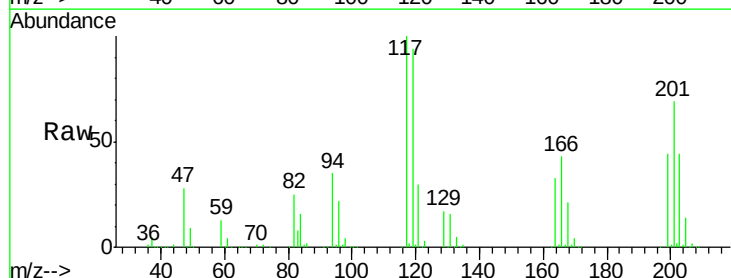
apatel

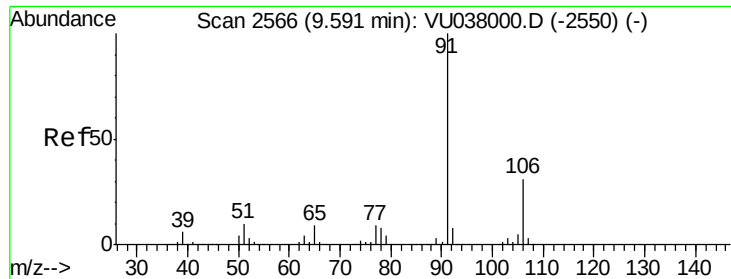
5/5/2020 11:15:50 AM



#62
 Hexachloroethane
 Concen: 17.677 ug/l
 RT: 12.49 min Scan# 3468
 Delta R.T. 0.00 min
 Lab File: VU038001.D
 Acq: 04 May 2020 13:06

Tgt Ion	Ratio	Lower	Upper
117	100		
201	68.3	54.7	82.1





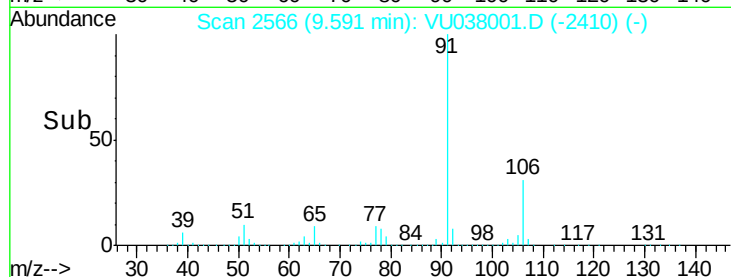
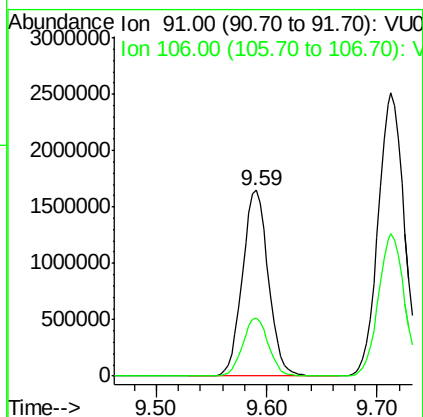
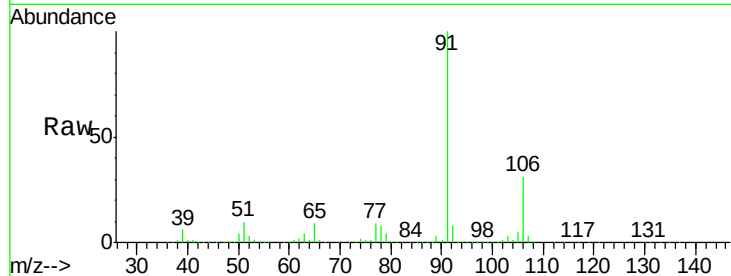
#63
Ethyl Benzene
Concen: 21.440 ug/l
RT: 9.59 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VU038001.D
Acq: 04 May 2020 13:06

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 2674476
Ion Ratio Lower Upper
91 100
106 31.3 24.9 37.3

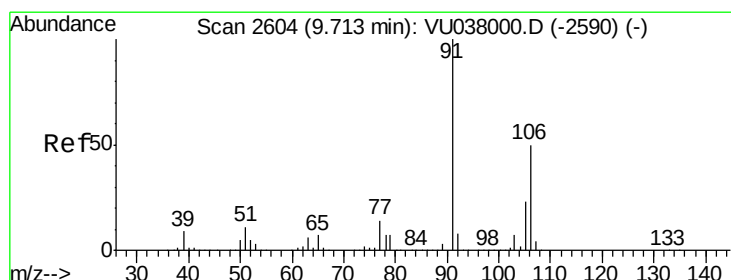
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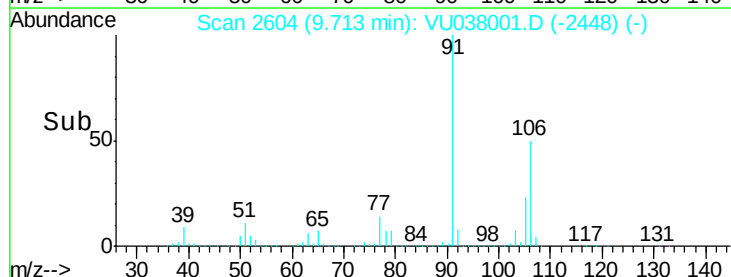
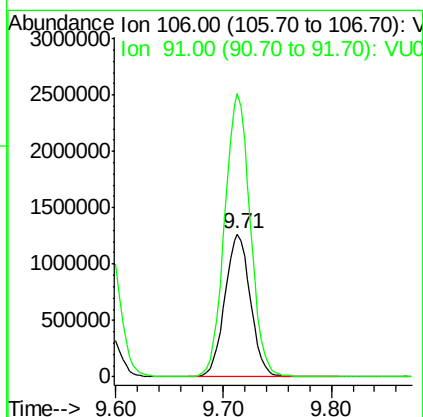
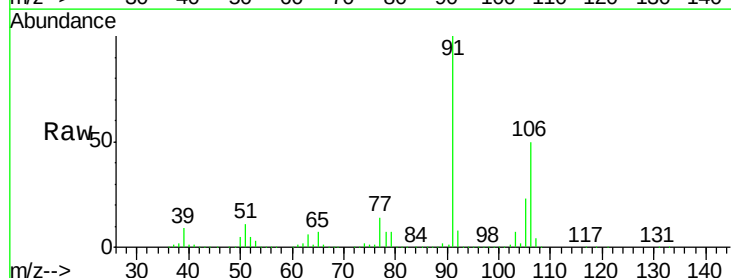
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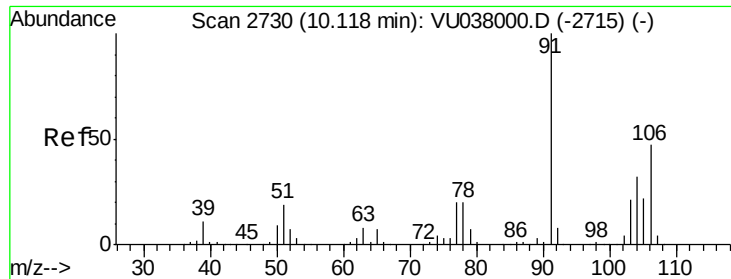
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#64
m/p-Xylenes
Concen: 44.159 ug/l
RT: 9.71 min Scan# 2604
Delta R.T. 0.00 min
Lab File: VU038001.D
Acq: 04 May 2020 13:06

Tgt Ion: 106 Resp: 2085543
Ion Ratio Lower Upper
106 100
91 199.1 159.5 239.3





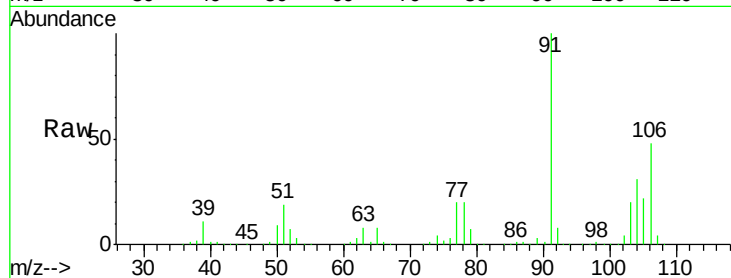
#65
o-Xylene
Concen: 22.031 ug/l
RT: 10.12 min Scan# 2730
Delta R.T. 0.00 min
Lab File: VU038001.D
Acq: 04 May 2020 13:06

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

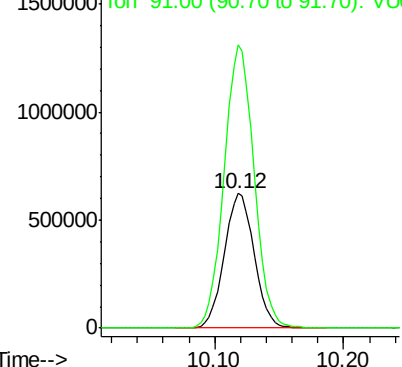
Tot Ion:106 Resp: 1006593
Ion Ratio Lower Upper
106 100
91 210.4 105.7 317.0

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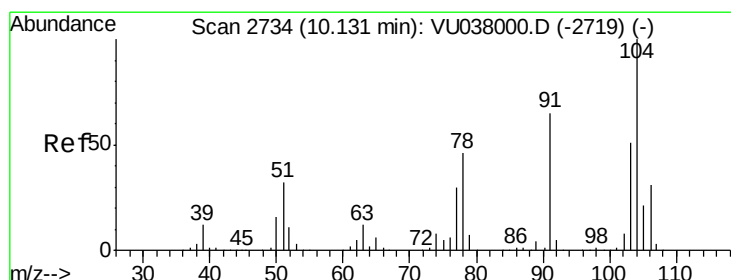
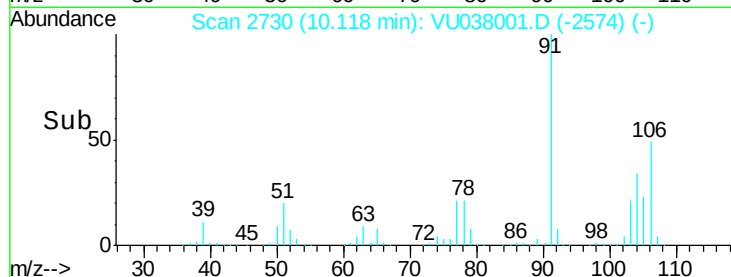


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0



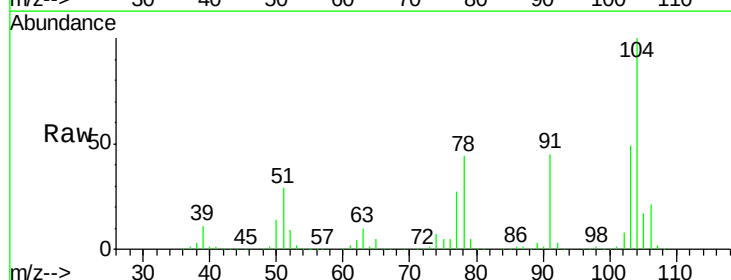
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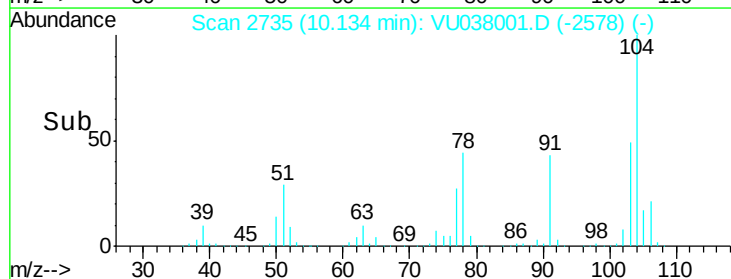
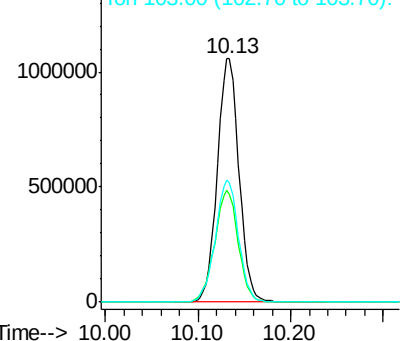


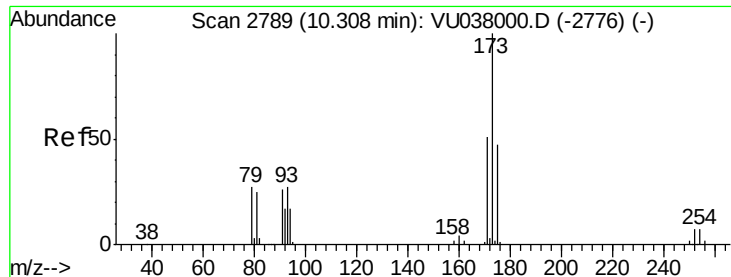
#66
Styrene
Concen: 23.039 ug/l
RT: 10.13 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VU038001.D
Acq: 04 May 2020 13:06

Tgt Ion:104 Resp: 1719835
Ion Ratio Lower Upper
104 100
78 49.5 39.9 59.9
103 53.3 43.4 65.2



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





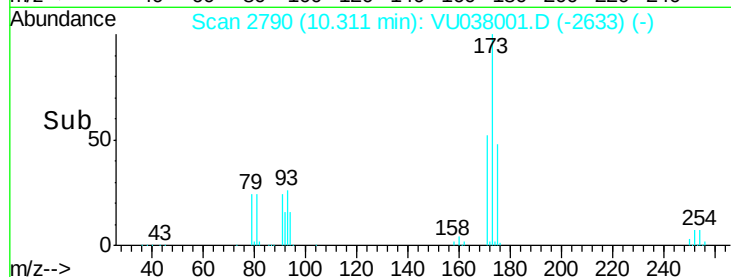
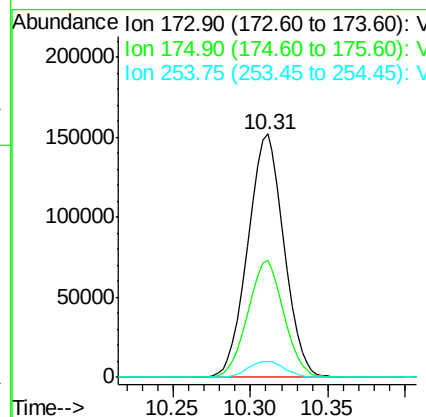
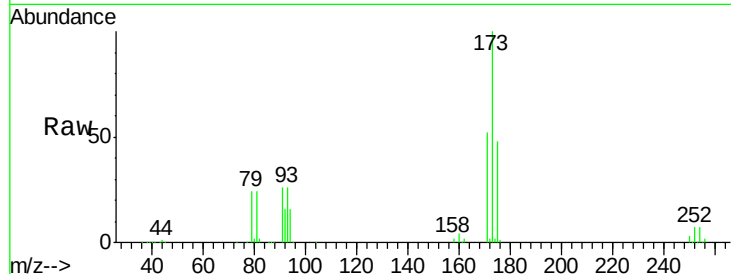
#67
Bromoform
Concen: 19.159 ug/l
RT: 10.31 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VU038001.D
Acq: 04 May 2020 13:06

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	37.6	56.4
254	6.7	5.5	8.3

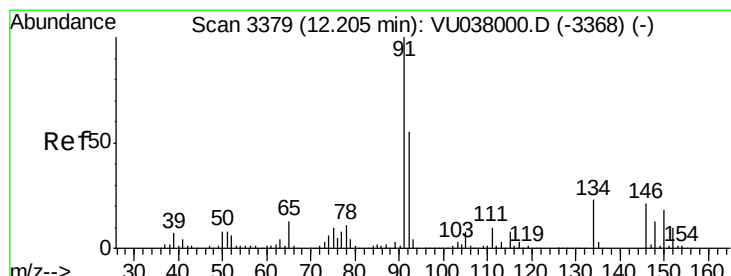
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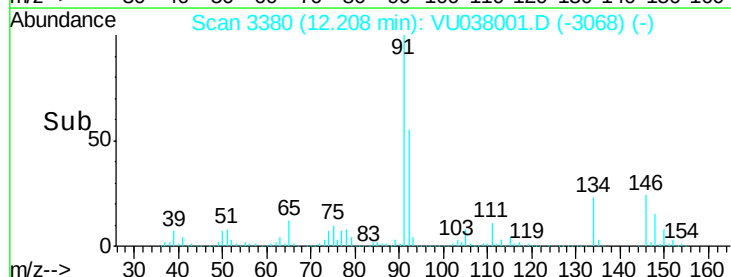
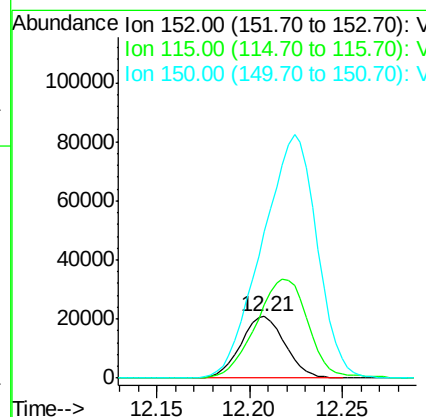
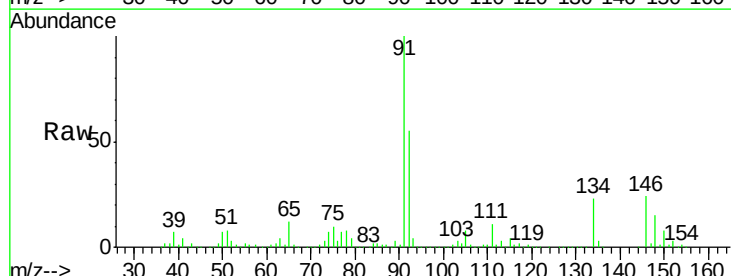
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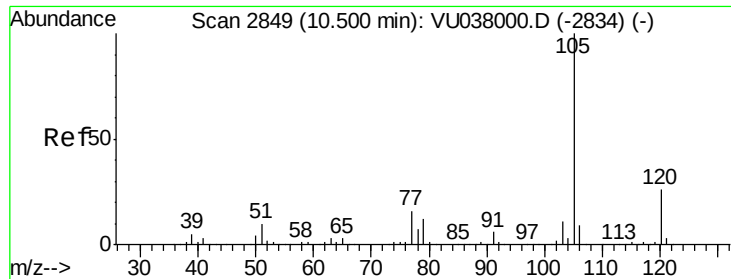
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#68
1,2-Dichlorobenzene-d4
Concen: 0.985 ug/l
RT: 12.21 min Scan# 3380
Delta R.T. 0.00 min
Lab File: VU038001.D
Acq: 04 May 2020 13:06

Tgt Ion	Ratio	Lower	Upper
152	100		
115	190.5	0.0	261.0
150	491.3	0.0	650.2





#69

Isopropylbenzene

Concen: 21.437 ug/l

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU038001.D

Acq: 04 May 2020 13:06

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 2660044

Ion Ratio Lower Upper

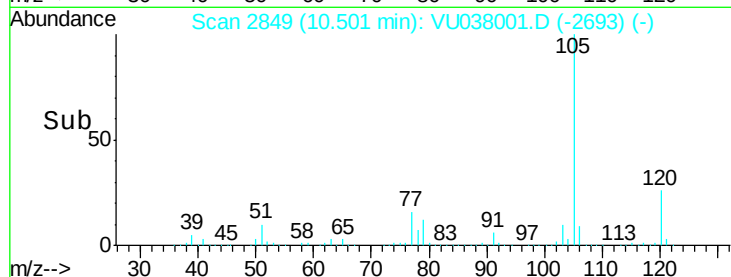
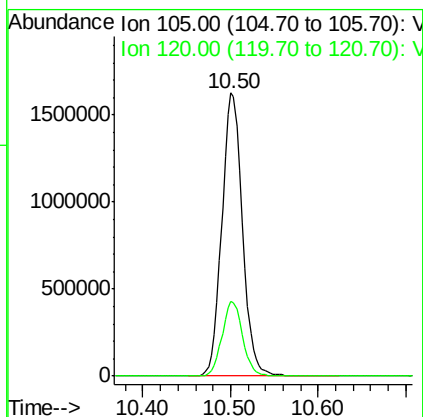
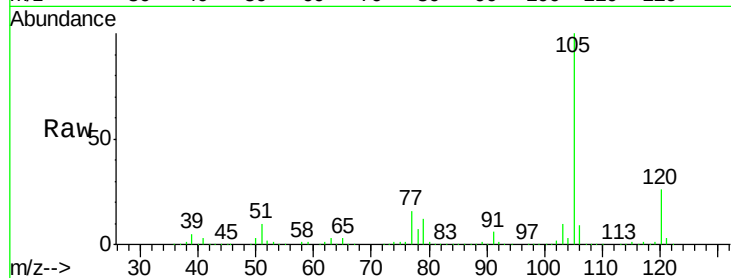
105 100

120 26.4 13.1 39.3

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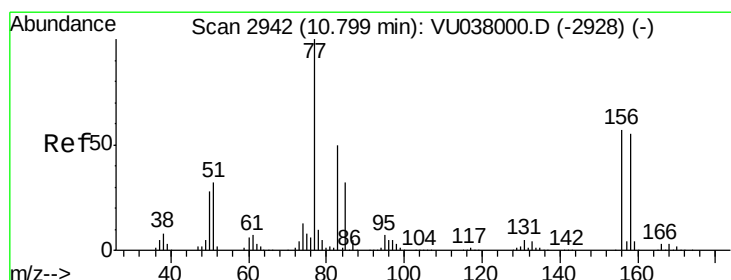
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#70

1,1,2,2-Tetrachloroethane

Concen: 19.259 ug/l

RT: 10.80 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VU038001.D

Acq: 04 May 2020 13:06

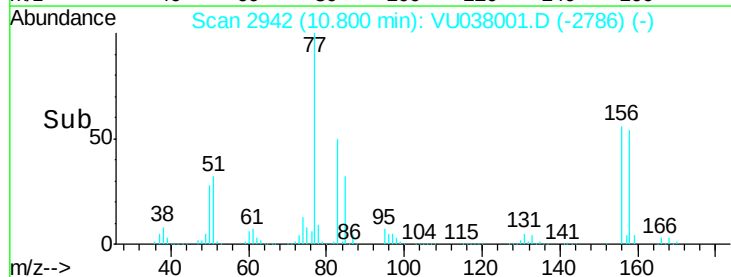
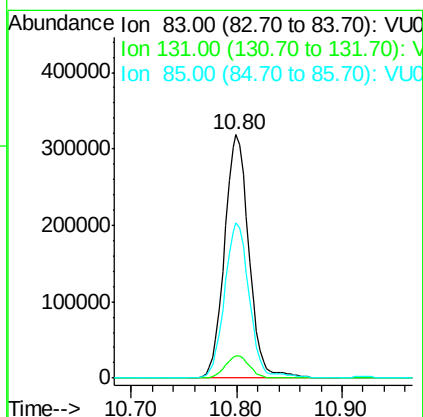
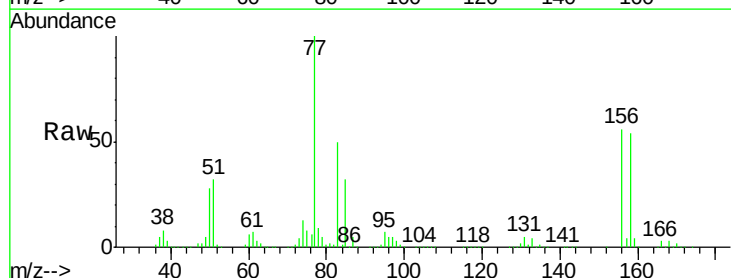
Tgt Ion: 83 Resp: 509493

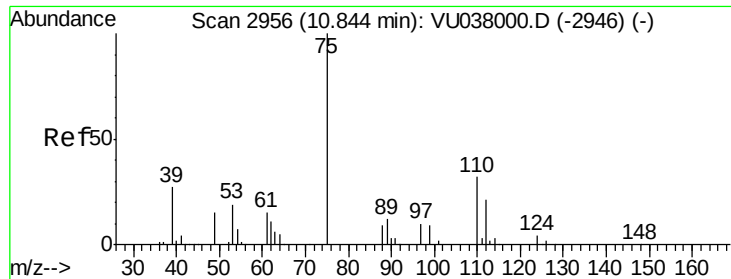
Ion Ratio Lower Upper

83 100

131 9.0 7.2 10.8

85 64.8 50.0 75.0





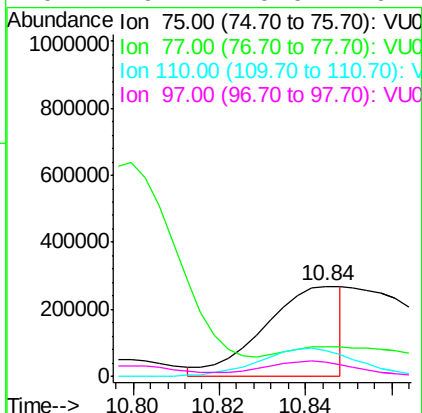
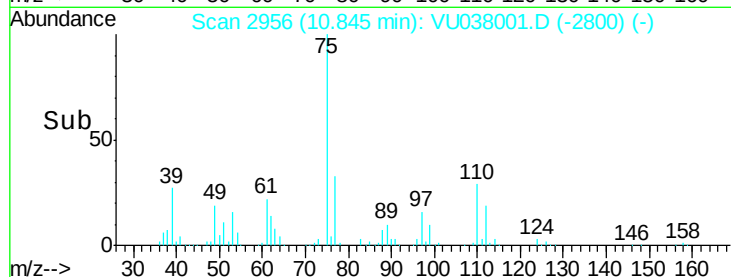
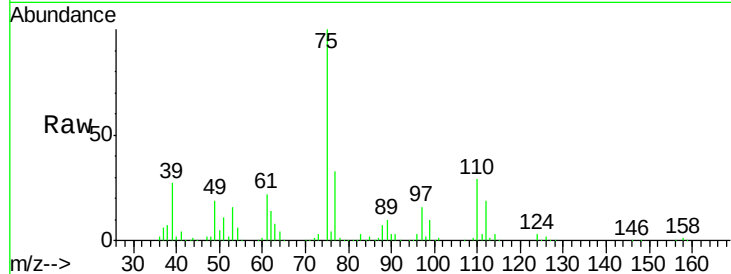
#71
1,2,3-Trichloropropane
Concen: 16.034 ug/l m
RT: 10.84 min Scan# 2956
Delta R.T. 0.00 min
Lab File: VU038001.D
Acq: 04 May 2020 13:06

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
75	100			
77	60.1	0.0	108.6	
110	40.2	0.0	79.4	
97	20.7	0.0	40.4	

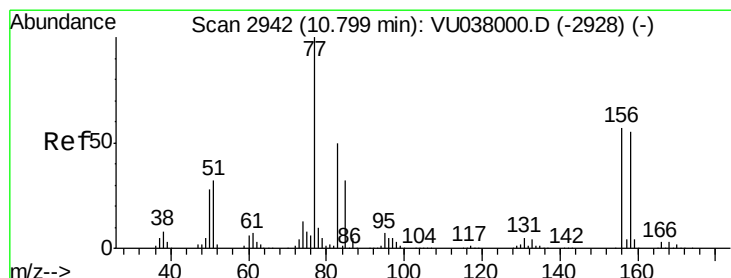
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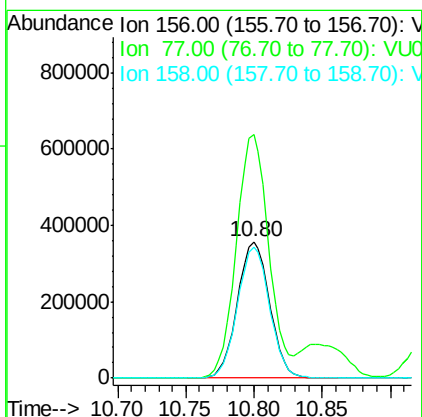
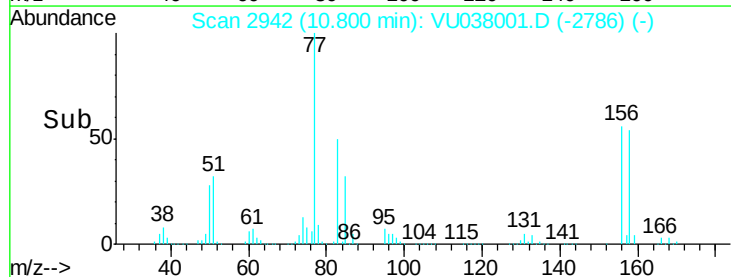
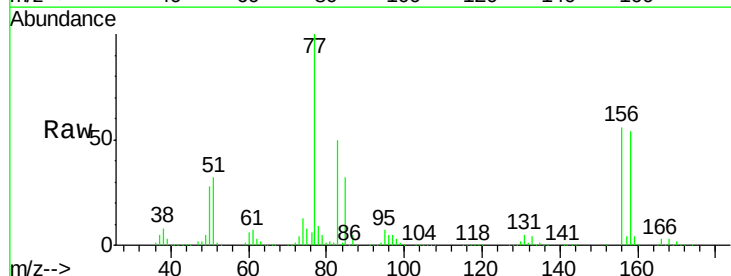
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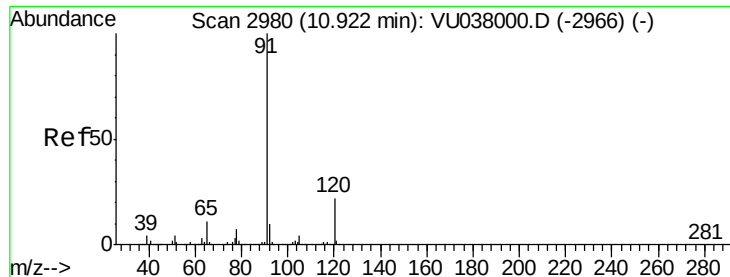
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#72
Bromobenzene
Concen: 19.515 ug/l
RT: 10.80 min Scan# 2942
Delta R.T. 0.00 min
Lab File: VU038001.D
Acq: 04 May 2020 13:06

Tgt Ion	Ion	Ratio	Lower	Upper
156	100			
77	180.3	0.0	355.6	
158	96.1	0.0	194.0	





#73

n-propylbenzene

Concen: 22.376 ug/l

RT: 10.92 min Scan# 2980

Delta R.T. 0.00 min

Lab File: VU038001.D

Acq: 04 May 2020 13:06

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion:120 Resp: 737665

Ion Ratio Lower Upper

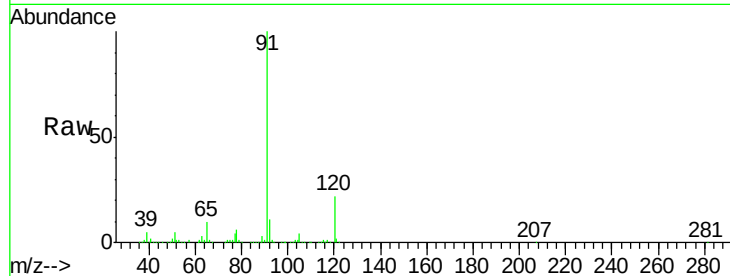
120 100

91 447.5 355.4 533.0

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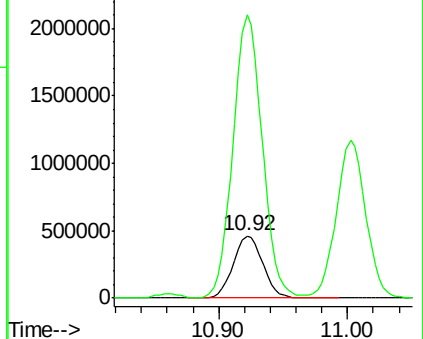
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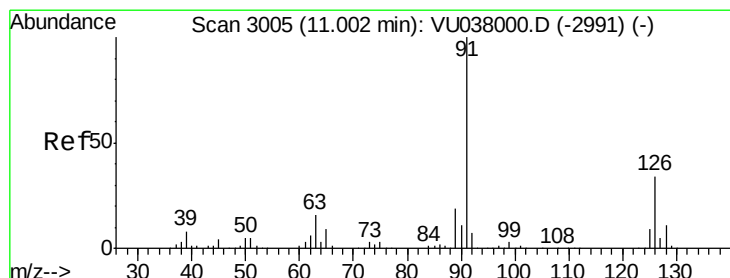
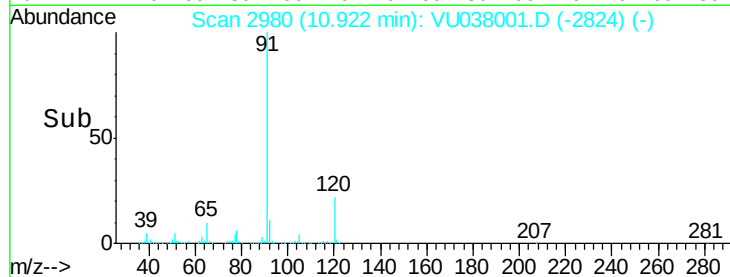
Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



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#74

2-Chlorotoluene

Concen: 20.419 ug/l

RT: 11.00 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VU038001.D

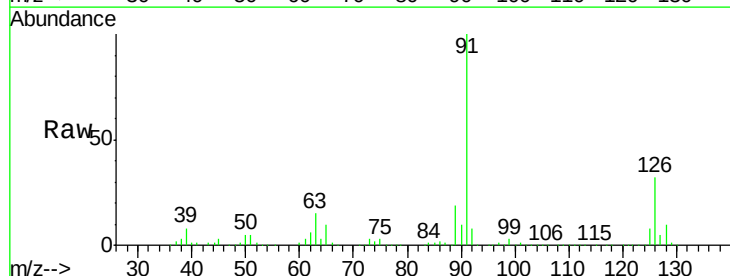
Acq: 04 May 2020 13:06

Tgt Ion:126 Resp: 602360

Ion Ratio Lower Upper

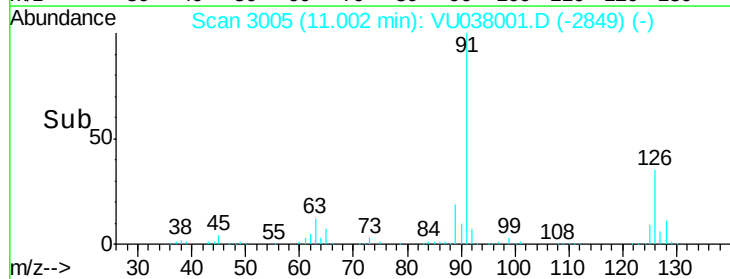
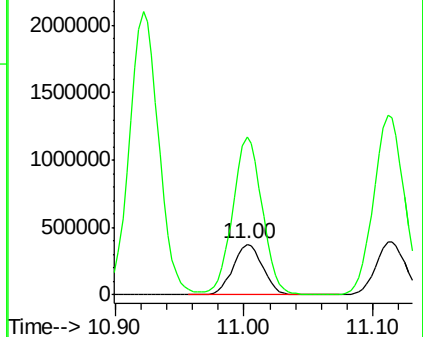
126 100

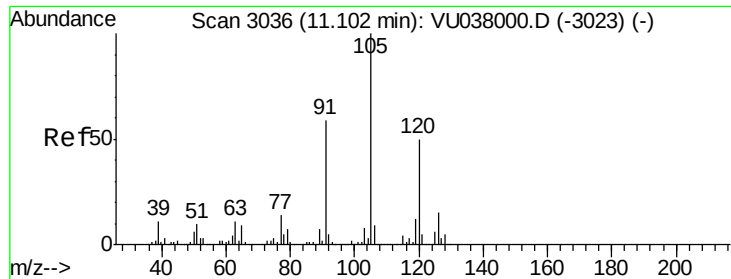
91 306.9 0.0 625.8



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: 21.026 ug/l

RT: 11.10 min Scan# 3036

Delta R.T. 0.00 min

Lab File: VU038001.D

Acq: 04 May 2020 13:06

Instrument :

MSVOA_U

ClientSampled :

VSTDIC020

Tot Ion:105 Resp: 2235059

Ion Ratio Lower Upper

105 100

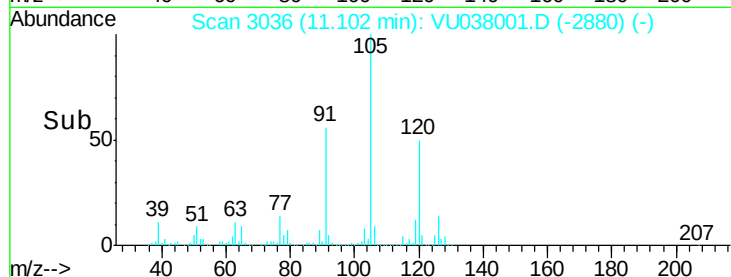
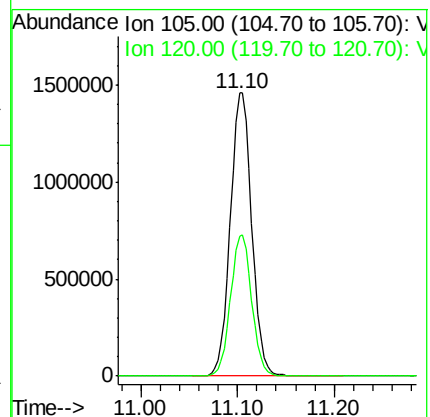
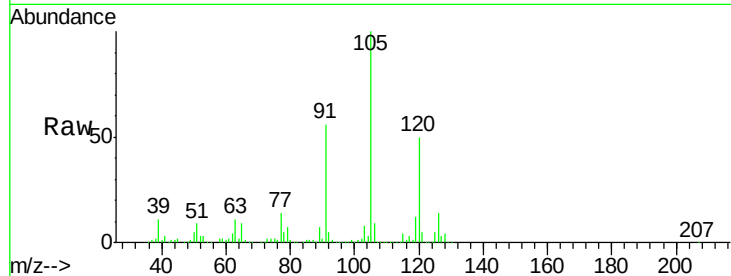
120 49.5 39.8 59.6

Manual Integrations

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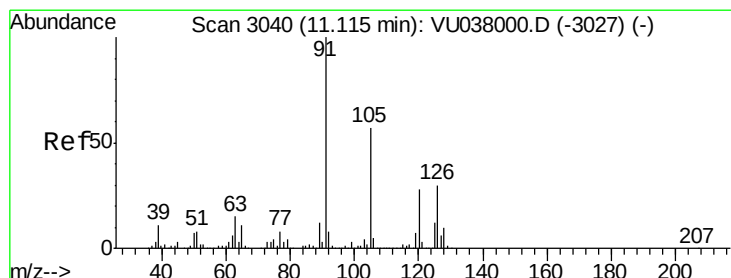
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apatel

5/5/2020 11:15:50 AM



#76

4-Chlorotoluene

Concen: 21.216 ug/l

RT: 11.11 min Scan# 3040

Delta R.T. 0.00 min

Lab File: VU038001.D

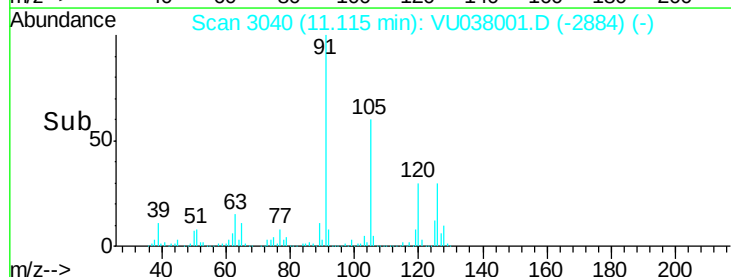
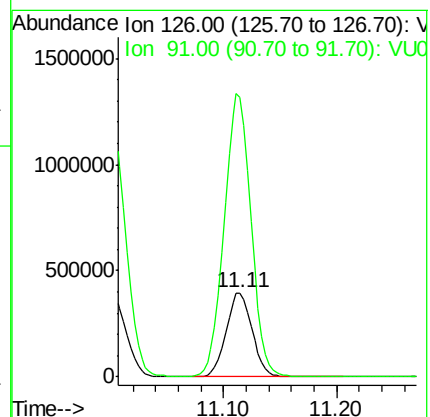
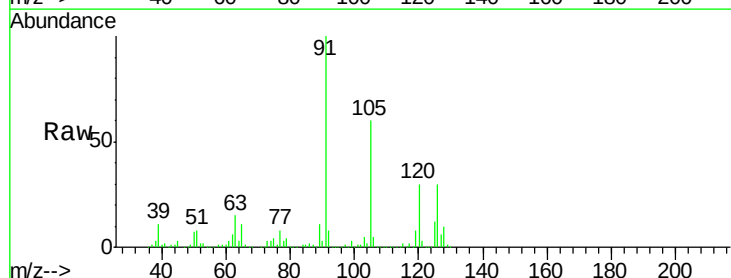
Acq: 04 May 2020 13:06

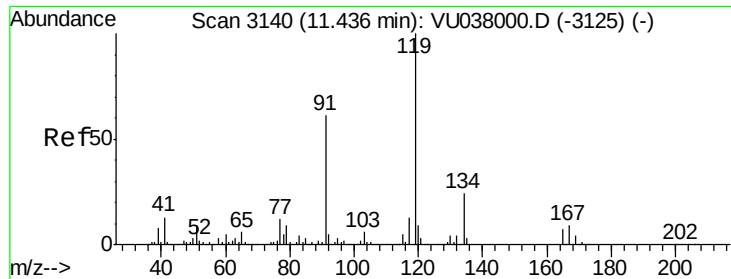
Tgt Ion:126 Resp: 633207

Ion Ratio Lower Upper

126 100

91 347.2 0.0 698.6





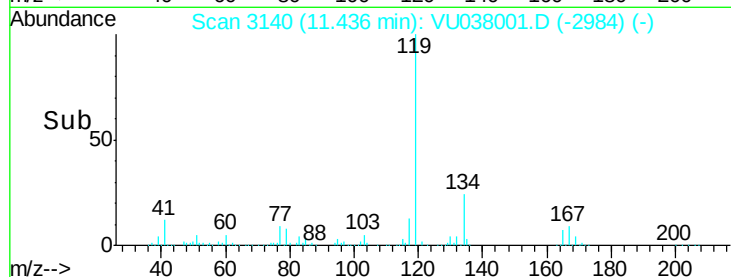
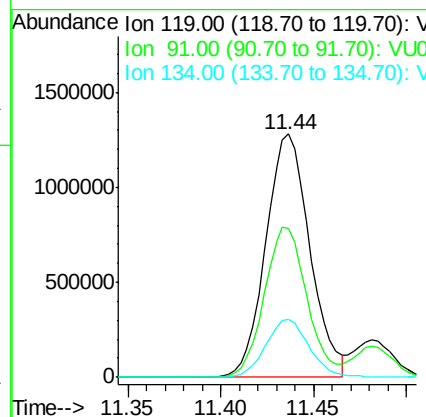
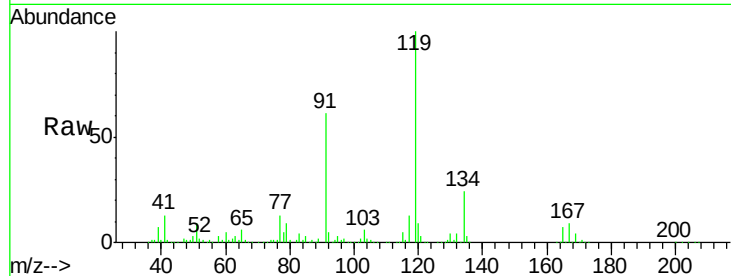
#77
 tert-Butylbenzene
 Concen: 20.466 ug/l
 RT: 11.44 min Scan# 3140
 Delta R.T. 0.00 min
 Lab File: VU038001.D
 Acq: 04 May 2020 13:06

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	59.8	30.1	90.5
134	23.6	19.0	28.6

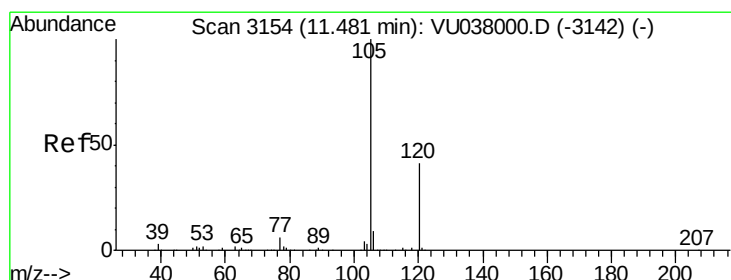
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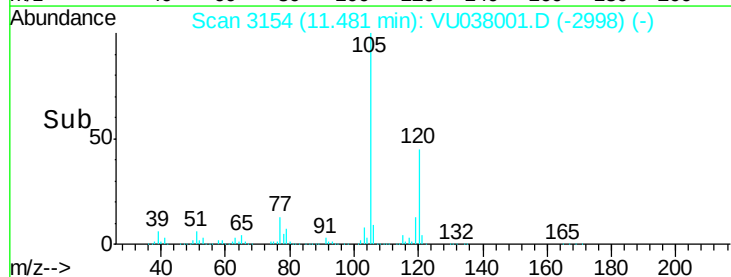
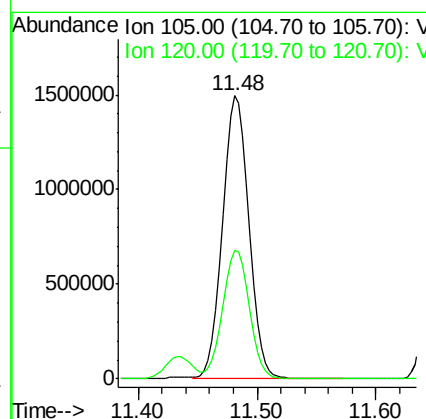
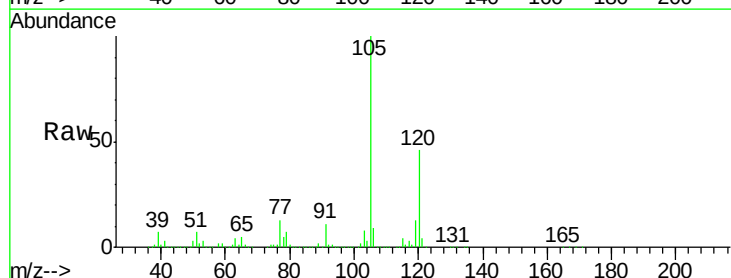
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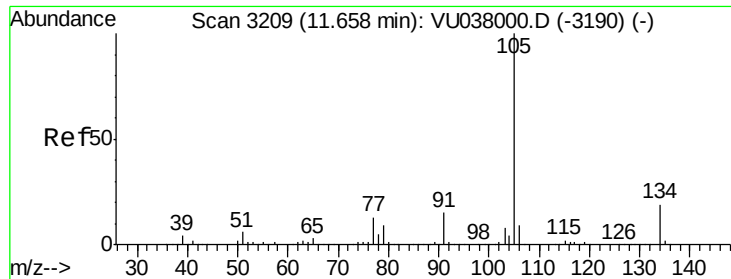
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#78
 1,2,4-Trimethylbenzene
 Concen: 21.433 ug/l
 RT: 11.48 min Scan# 3154
 Delta R.T. 0.00 min
 Lab File: VU038001.D
 Acq: 04 May 2020 13:06

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.4	23.4	70.0





#79

sec-Butylbenzene

Concen: 21.225 ug/l

RT: 11.66 min Scan# 3209

Delta R.T. 0.00 min

Lab File: VU038001.D

Acq: 04 May 2020 13:06

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 3017011

Ion Ratio Lower Upper

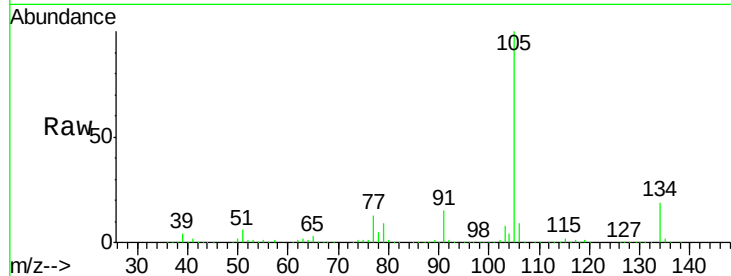
105 100

134 19.1 15.4 23.0

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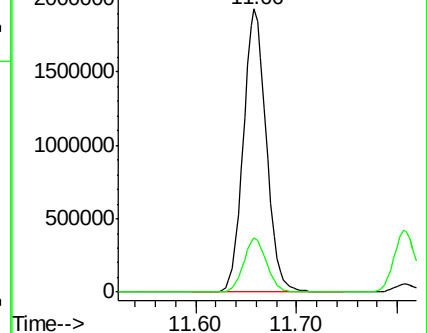
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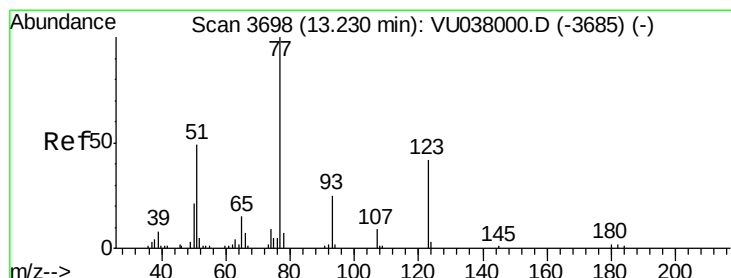
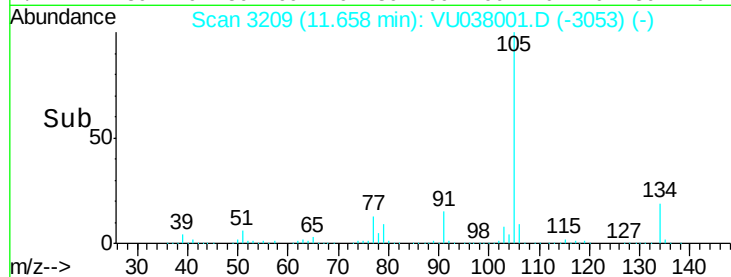
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



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#80

Nitrobenzene

Concen: 146.364 ug/l

RT: 13.23 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VU038001.D

Acq: 04 May 2020 13:06

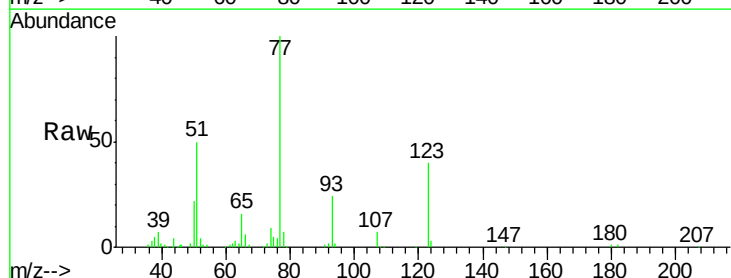
Tgt Ion: 77 Resp: 88261

Ion Ratio Lower Upper

77 100

123 41.1 17.6 62.6

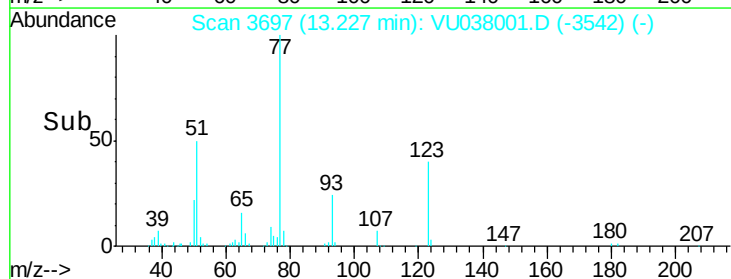
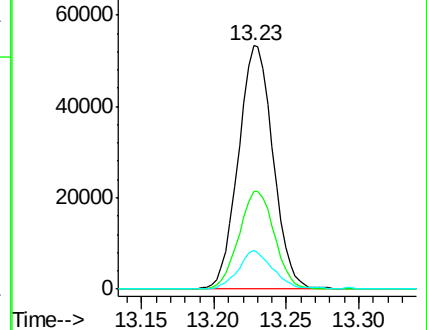
65 15.8 13.2 16.8

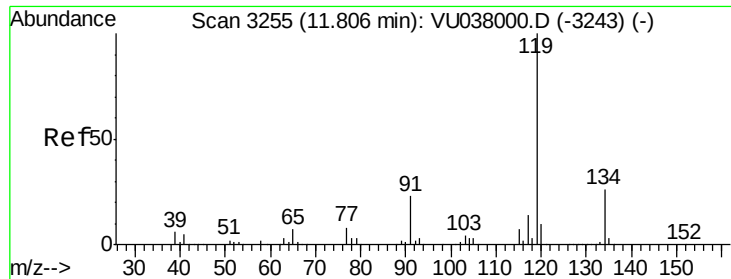


Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0





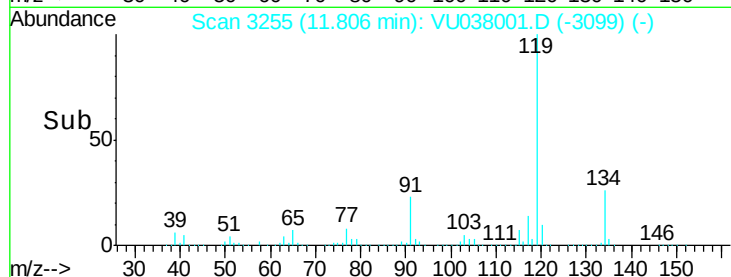
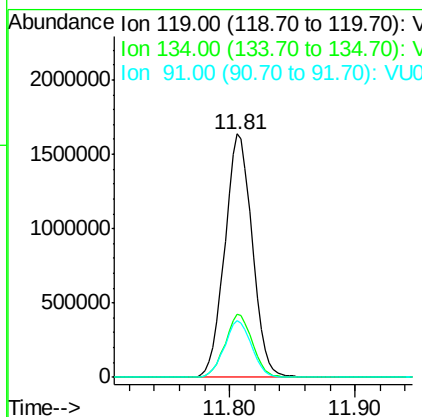
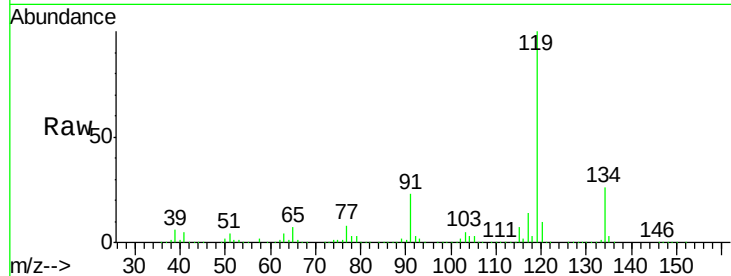
#81
 p-Isopropyltoluene
 Concen: 22.142 ug/l
 RT: 11.81 min Scan# 3255
 Delta R.T. 0.00 min
 Lab File: VU038001.D
 Acq: 04 May 2020 13:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion:119 Resp: 2476205
 Ion Ratio Lower Upper
 119 100
 134 25.7 20.6 31.0
 91 23.1 18.6 28.0

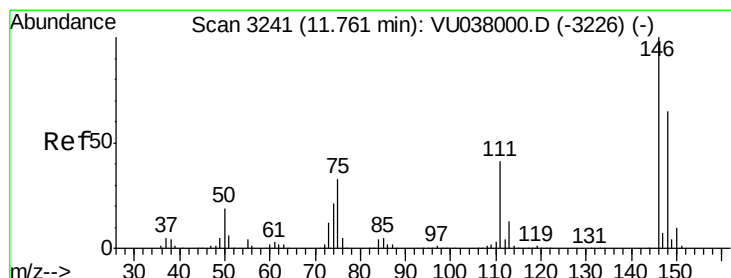
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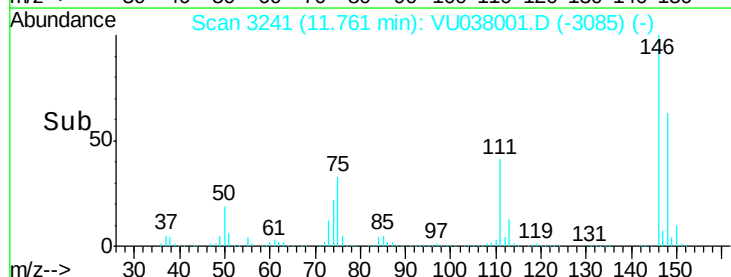
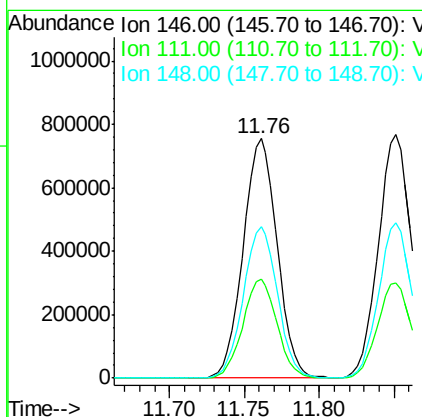
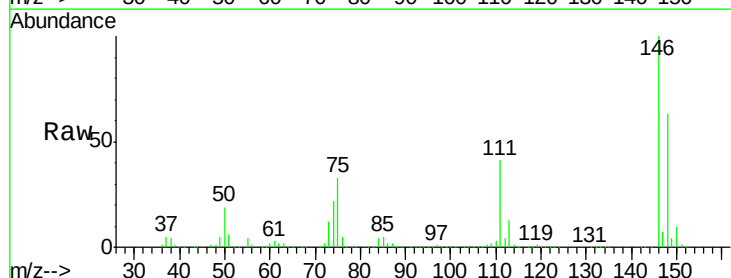
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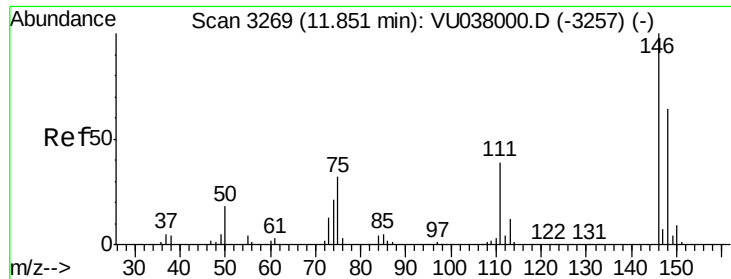
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#82
 1,3-Dichlorobenzene
 Concen: 20.168 ug/l
 RT: 11.76 min Scan# 3241
 Delta R.T. 0.00 min
 Lab File: VU038001.D
 Acq: 04 May 2020 13:06

Tgt Ion:146 Resp: 1196014
 Ion Ratio Lower Upper
 146 100
 111 41.0 33.0 49.4
 148 63.4 51.4 77.2





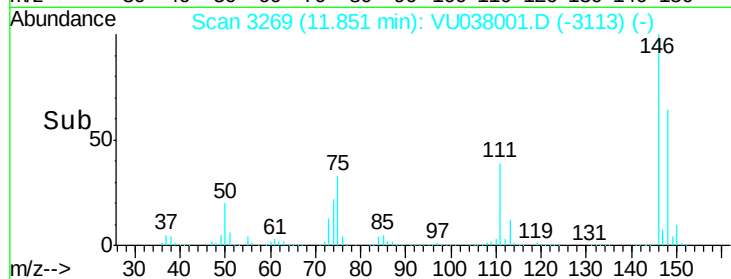
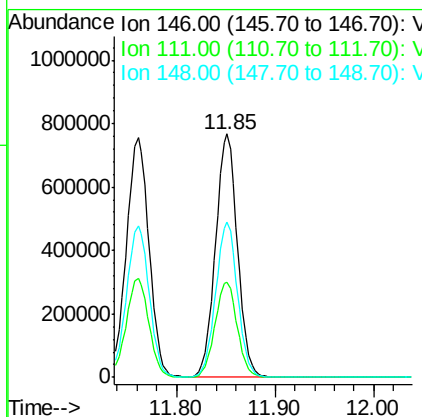
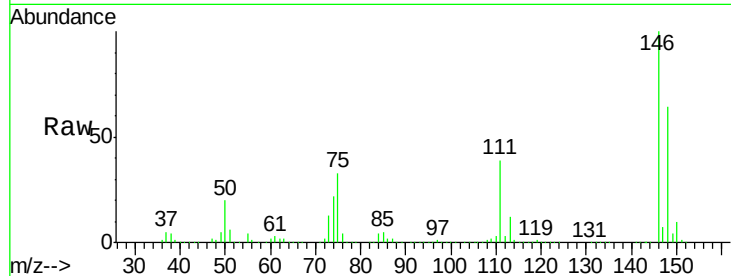
#83
 1,4-Dichlorobenzene
 Concen: 19.871 ug/l
 RT: 11.85 min Scan# 3269
 Delta R.T. 0.00 min
 Lab File: VU038001.D
 Acq: 04 May 2020 13:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	31.8	47.6
148	63.6	51.2	76.8

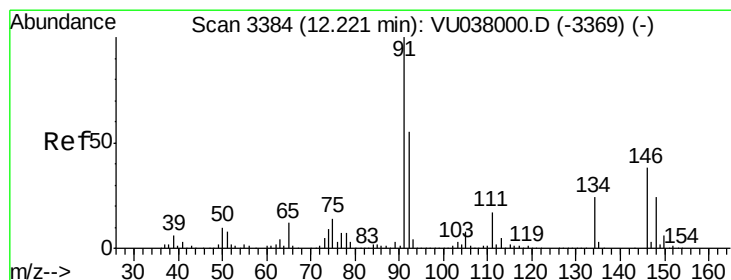
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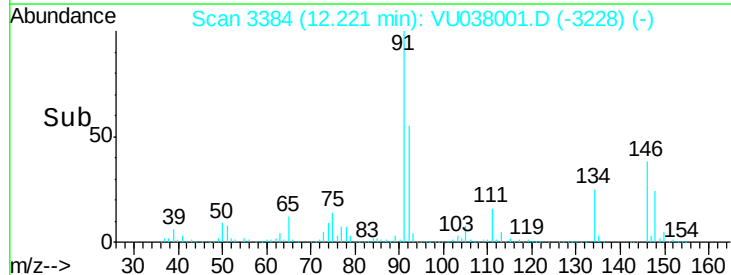
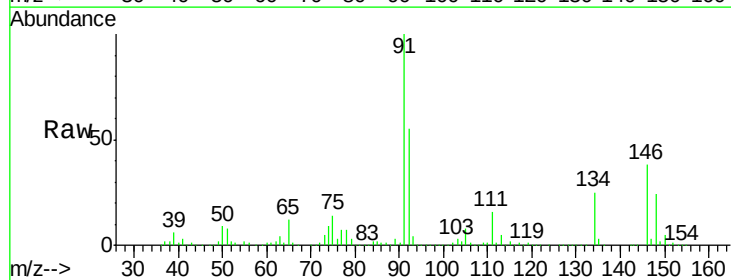
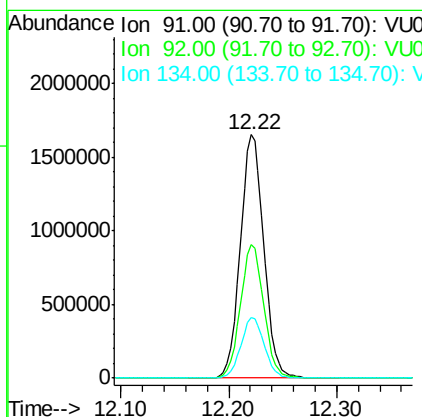
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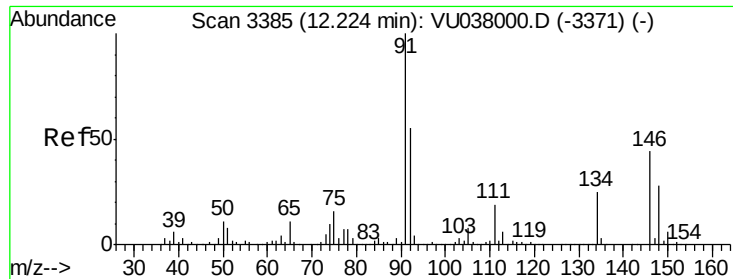
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#84
 n-Butylbenzene
 Concen: 23.393 ug/l
 RT: 12.22 min Scan# 3384
 Delta R.T. 0.00 min
 Lab File: VU038001.D
 Acq: 04 May 2020 13:06

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.8	43.8	65.6
134	24.8	19.4	29.2





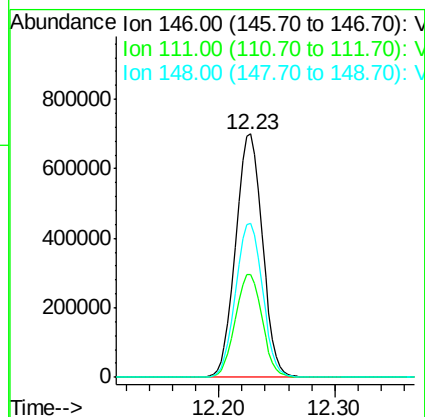
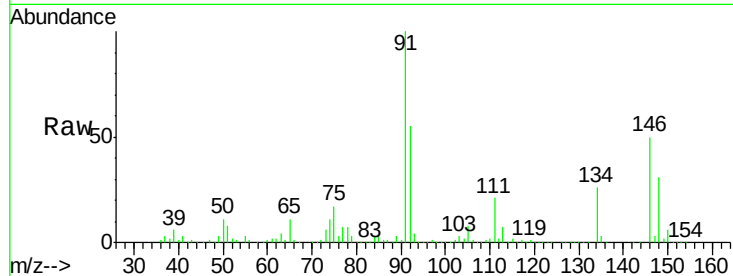
#85
 1,2-Dichlorobenzene
 Concen: 19.487 ug/l
 RT: 12.23 min Scan# 3386
 Delta R.T. 0.00 min
 Lab File: VU038001.D
 Acq: 04 May 2020 13:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion:146 Resp: 1115457
 Ion Ratio Lower Upper
 146 100
 111 42.3 21.9 65.8
 148 63.7 31.8 95.4

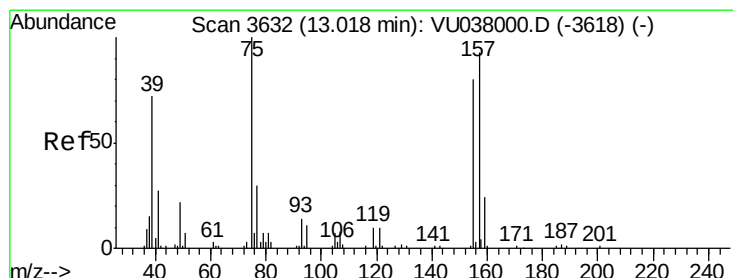
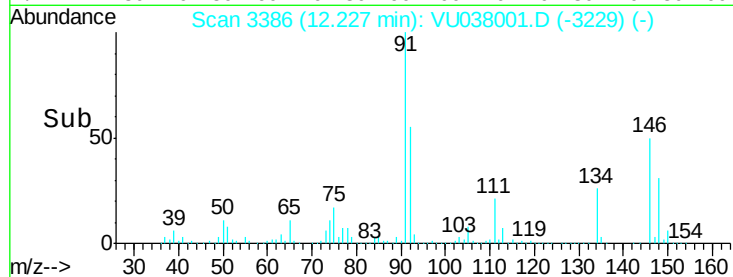
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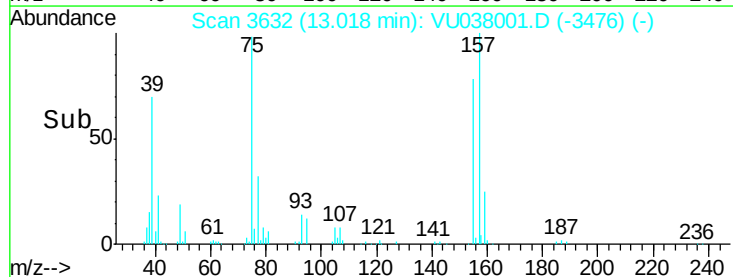
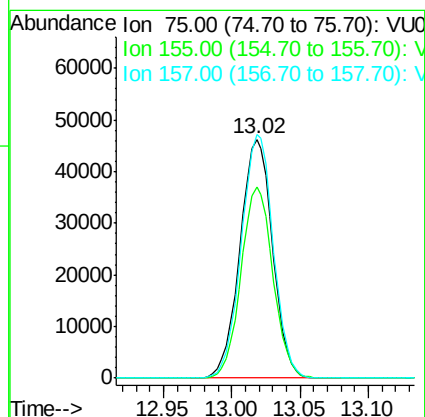
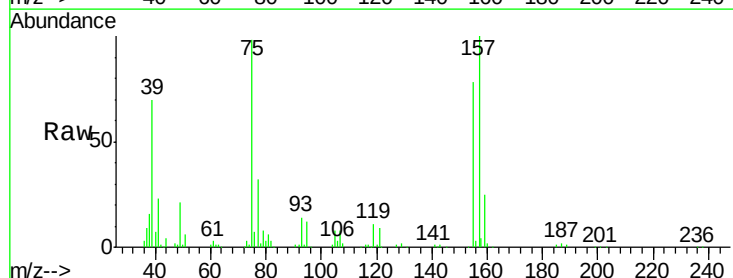
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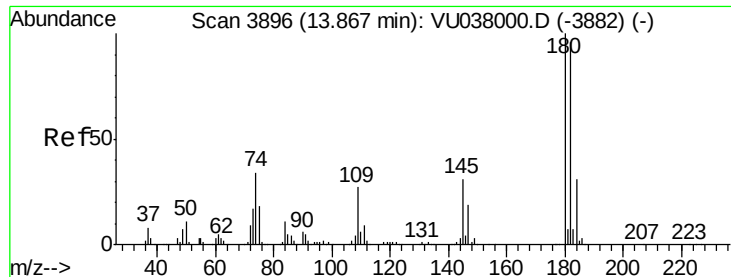
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#86
 1,2-Dibromo-3-Chloropropane
 Concen: 16.985 ug/l
 RT: 13.02 min Scan# 3632
 Delta R.T. 0.00 min
 Lab File: VU038001.D
 Acq: 04 May 2020 13:06

Tgt Ion: 75 Resp: 76791
 Ion Ratio Lower Upper
 75 100
 155 78.1 60.9 91.3
 157 99.7 78.1 117.1





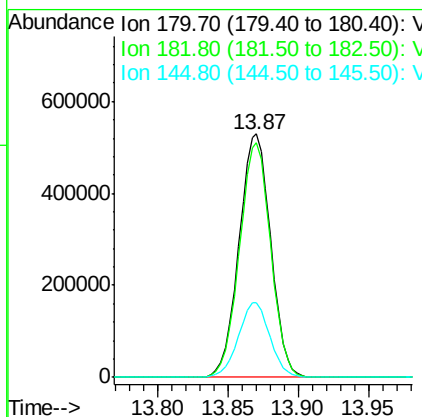
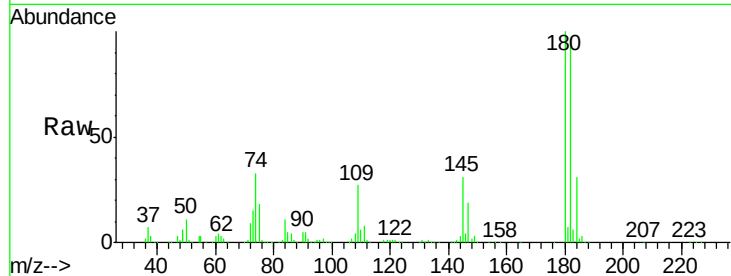
#87
 1,2,4-Trichlorobenzene
 Concen: 27.614 ug/l
 RT: 13.87 min Scan# 3897
 Delta R.T. 0.00 min
 Lab File: VU038001.D
 Acq: 04 May 2020 13:06

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	831648		
182	95.1	76.9	115.3	
145	30.5	24.7	37.1	

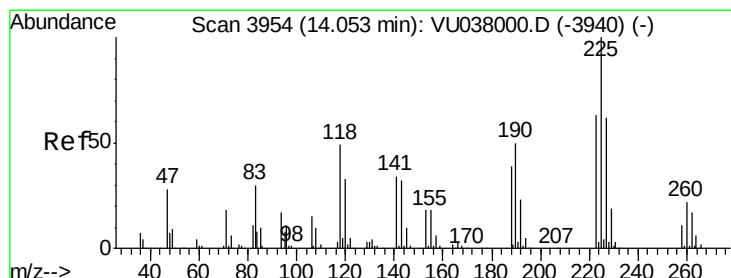
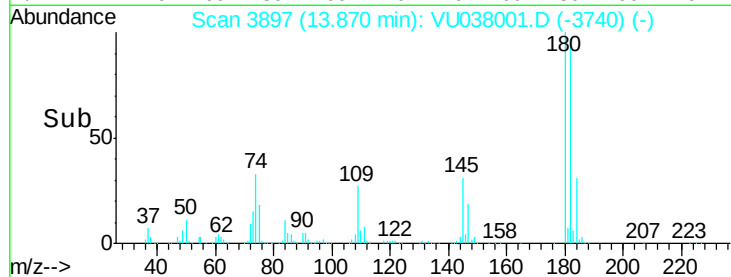
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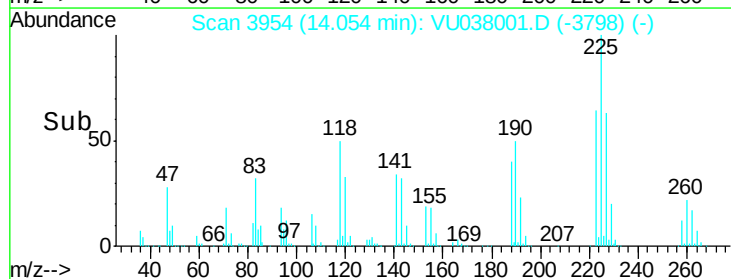
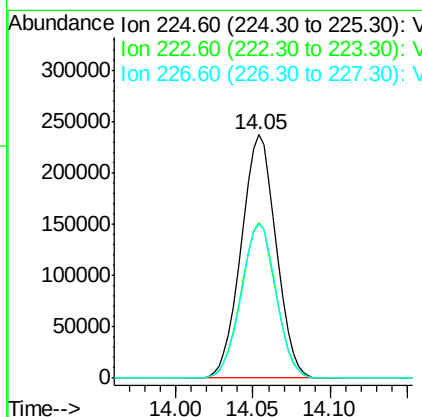
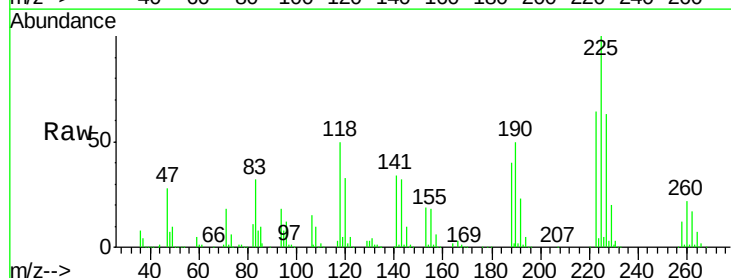
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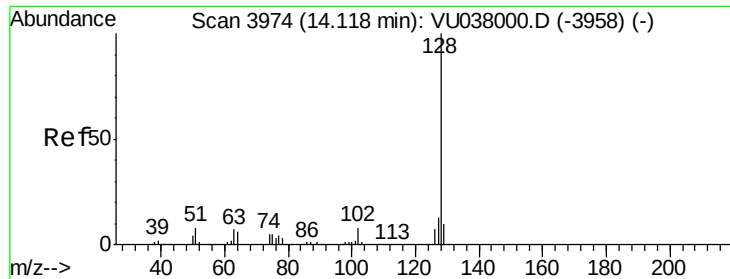
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#88
 Hexachlorobutadiene
 Concen: 20.750 ug/l
 RT: 14.05 min Scan# 3954
 Delta R.T. 0.00 min
 Lab File: VU038001.D
 Acq: 04 May 2020 13:06

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	373188		
223	63.7	51.3	76.9	
227	63.3	49.2	73.8	





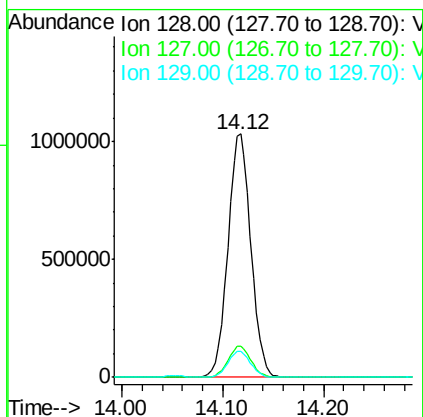
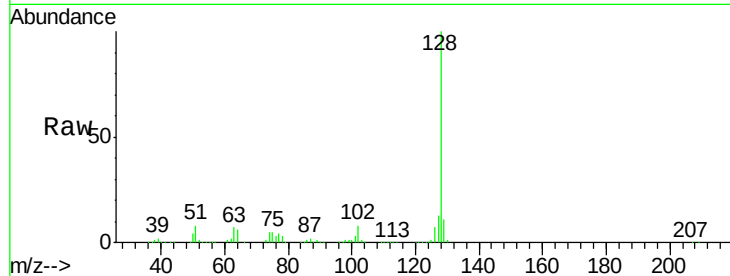
#89
Naphthalene
Concen: 31.261 ug/l
RT: 14.12 min Scan# 3974
Delta R.T. 0.00 min
Lab File: VU038001.D
Acq: 04 May 2020 13:06

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	10.8	8.6	12.8

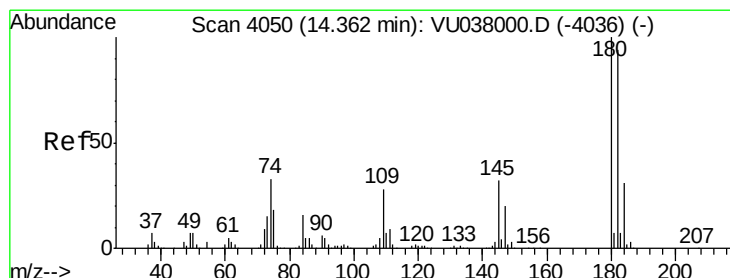
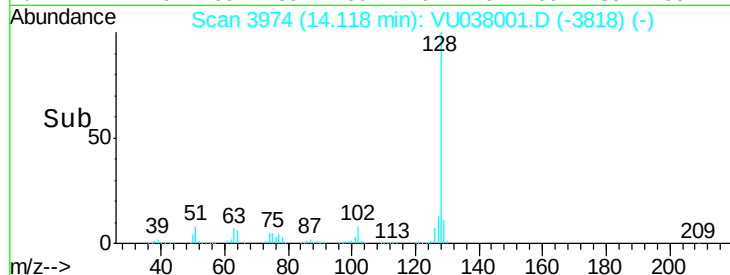
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#90
1,2,3-Trichlorobenzene
Concen: 25.721 ug/l
RT: 14.36 min Scan# 4050
Delta R.T. 0.00 min
Lab File: VU038001.D
Acq: 04 May 2020 13:06

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	75.9	113.9
145	32.2	26.0	39.0

