

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U050420\
 Data File : VU037997.D
 Acq On : 04 May 2020 11:17
 Operator : JC/MD
 Sample : VSTDIC001
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Manual Integrations
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apatel
 5/5/2020 11:15:38 AM

Quant Time: May 05 01:49:47 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	85292	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.65	95	33432	1.01	ug/l	0.00
Spiked Amount 1.000			Recovery	=	101.00%	
68) 1,2-Dichlorobenzene-d4	12.21	152	31845	0.96	ug/l	0.00
Spiked Amount 1.000			Recovery	=	96.00%	
Target Compounds					Ovalue	
2) Dichlorodifluoromethane	1.39	85	29589	0.747	ug/l	97
3) Chloromethane	1.54	50	37366	0.935	ug/l	97
4) Vinyl Chloride	1.62	62	34998	0.975	ug/l	97
5) Bromomethane	1.87	94	24293	1.795	ug/l	93
6) Chloroethane	1.95	64	21119	1.174	ug/l	97
7) Trichlorofluoromethane	2.16	101	36808	0.857	ug/l	100
8) 1,1,2-Trichloro-1,2,2-trif	2.60	101	23539	1.122	ug/l	97
9) 1,1-Dichloroethene	2.60	96	23948	1.191	ug/l	91
10) Iodomethane	2.75	142	8060	0.803	ug/l	98
11) Allyl Chloride	2.95	41	42082	1.081	ug/l	94
12) Acrylonitrile	3.35	53	13133	2.673	ug/l	92
13) Acetone	2.66	43	26757	5.122	ug/l	99
14) Carbon Disulfide	2.82	76	85858	1.261	ug/l	97
15) Methylene Chloride	3.07	84	36643	1.438	ug/l	98
16) trans-1,2-Dichloroethene	3.38	96	25176	1.171	ug/l	100
17) 1,1-Dichloroethane	3.91	63	48042	0.995	ug/l	99
18) 2-Butanone	4.76	43	37303	4.735	ug/l	98
19) Cyclohexane	5.42	56	46501m	1.117	ug/l	
20) Methylcyclohexane	6.79	83	44240	1.072	ug/l	96
21) 2,2-Dichloropropane	4.70	77	41556	0.954	ug/l	96
22) cis-1,2-Dichloroethene	4.70	96	27191	1.050	ug/l	97
23) Diethyl Ether	2.40	59	20210	1.172	ug/l	99
24) tert-Butyl Alcohol	3.23	59	23526	12.737	ug/l	95
25) Methyl tert-Butyl Ether	3.40	73	62632	1.072	ug/l #	89
26) Bromochloromethane	5.01	128	10801	0.960	ug/l	92
27) Chloroform	5.12	83	45533	0.890	ug/l	95
28) 1,1,1-Trichloroethane	5.35	97	36643	0.846	ug/l	98
29) 1,1-Dichloropropene	5.56	75	37403	1.034	ug/l	96
30) Carbon Tetrachloride	5.56	117	30301	0.808	ug/l	97
31) Isopropyl Ether	4.04	45	78983	1.023	ug/l	99
32) Ethyl-t-butyl ether	4.55	59	71056	0.982	ug/l	99
33) Tert-Amyl methyl ether	5.98	73	60397	0.974	ug/l	99
34) Propionitrile	4.83	54	11879	5.722	ug/l #	96
35) Benzene	5.81	78	105643	1.030	ug/l	100
36) 1,2-Dichloroethane	5.83	62	31296	0.864	ug/l	99
37) Trichloroethene	6.57	130	28171	1.045	ug/l	96
38) 1,2-Dichloropropane	6.82	63	28482	1.016	ug/l	98
39) Methacrylonitrile	5.02	41	10854	1.095	ug/l	94
40) Methyl acrylate	4.89	55	15988	1.141	ug/l #	96
41) Tetrahydrofuran	5.10	42	10985	2.223	ug/l	95
42) 1-Chlorobutane	5.49	56	53741	1.034	ug/l	97

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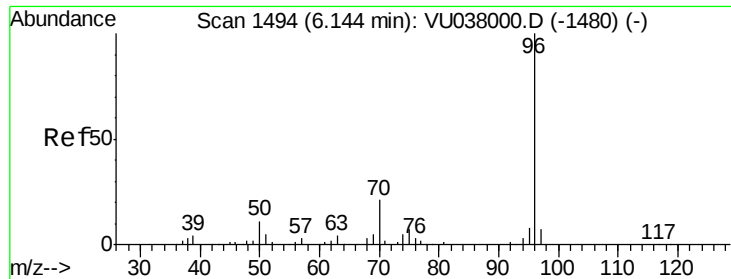
Manual Integrations
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U050420DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue May 05 01:36:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.95	93	12985	0.917	ug/l	99
44) Bromodichloromethane	7.13	83	33158	0.904	ug/l	97
45) 4-Methyl-2-Pentanone	7.82	43	87500	4.596	ug/l	99
46) t-1,4-Dichloro-2-butene	10.85	75	10379m	1.997	ug/l	
47) Methyl methacrylate	6.99	69	25834	2.159	ug/l	99
48) Ethyl methacrylate	8.36	69	23206	0.984	ug/l	94
49) Toluene	7.99	92	66343	1.073	ug/l	100
50) t-1,3-Dichloropropene	8.23	75	32519	0.966	ug/l	98
51) cis-1,3-Dichloropropene	7.63	75	38416	0.989	ug/l	99
52) 1,1,2-Trichloroethane	8.43	97	18863	0.991	ug/l	95
53) 1,3-Dichloropropane	8.60	76	35065	1.028	ug/l	100
54) 2-Hexanone	8.71	43	63393	4.845	ug/l	99
55) Dibromochloromethane	8.83	129	20921	0.902	ug/l	93
56) 1,2-Dibromoethane	8.95	107	17362	0.973	ug/l	98
58) Tetrachloroethene	8.57	164	25575	1.010	ug/l	98
59) Chlorobenzene	9.47	112	69333	1.005	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.56	131	20763	0.847	ug/l	96
61) Pentachloroethane	11.44	117	15043	0.804	ug/l	98
62) Hexachloroethane	12.49	117	16575	0.834	ug/l	98
63) Ethyl Benzene	9.59	91	122279	1.039	ug/l	98
64) m/p-Xylenes	9.71	106	92484	2.075	ug/l	97
65) o-Xylene	10.12	106	45767	1.062	ug/l	99
66) Styrene	10.13	104	74717	1.061	ug/l	98
67) Bromoform	10.31	173	10190	0.837	ug/l	100
69) Isopropylbenzene	10.50	105	119053	1.017	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.80	83	22567	0.904	ug/l	99
71) 1,2,3-Trichloropropane	10.84	75	20816m	1.058	ug/l	
72) Bromobenzene	10.80	156	26599	0.939	ug/l	94
73) n-propylbenzene	10.92	120	33088	1.064	ug/l	98
74) 2-Chlorotoluene	11.00	126	28881	1.038	ug/l	94
75) 1,3,5-Trimethylbenzene	11.10	105	97823	0.975	ug/l	100
76) 4-Chlorotoluene	11.11	126	29195	1.037	ug/l	96
77) tert-Butylbenzene	11.44	119	93036	0.951	ug/l	99
78) 1,2,4-Trimethylbenzene	11.48	105	99898	0.989	ug/l	97
79) sec-Butylbenzene	11.66	105	136145	1.015	ug/l	100
80) Nitrobenzene	13.23	77	3274	5.754	ug/l	99
81) p-Isopropyltoluene	11.81	119	109839	1.041	ug/l	98
82) 1,3-Dichlorobenzene	11.76	146	55733	0.996	ug/l	99
83) 1,4-Dichlorobenzene	11.85	146	57612	1.017	ug/l	98
84) n-Butylbenzene	12.22	91	105960	1.049	ug/l	99
85) 1,2-Dichlorobenzene	12.23	146	52099	0.965	ug/l	98
86) 1,2-Dibromo-3-Chloropropan	13.02	75	3857	0.904	ug/l	96
87) 1,2,4-Trichlorobenzene	13.87	180	38812	1.366	ug/l	95
88) Hexachlorobutadiene	14.06	225	17116	1.009	ug/l	97
89) Naphthalene	14.12	128	71711	1.456	ug/l	99
90) 1,2,3-Trichlorobenzene	14.37	180	32879	1.201	ug/l	98

(#) = 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: VU037997.D

Acq: 04 May 2020 11:17

Instrument :

MSVOA_U

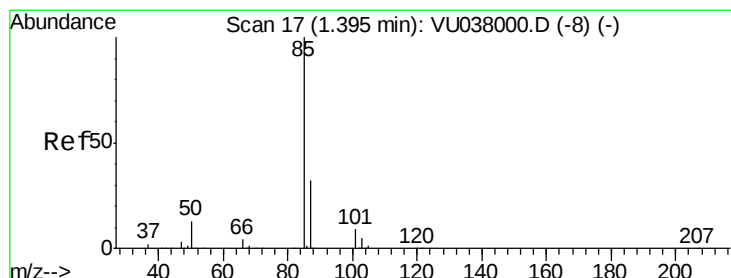
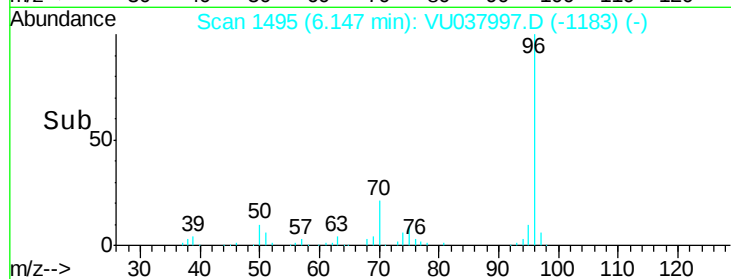
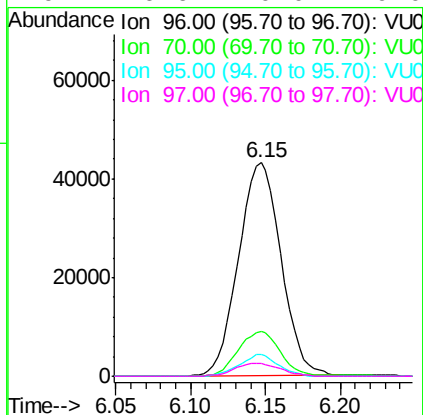
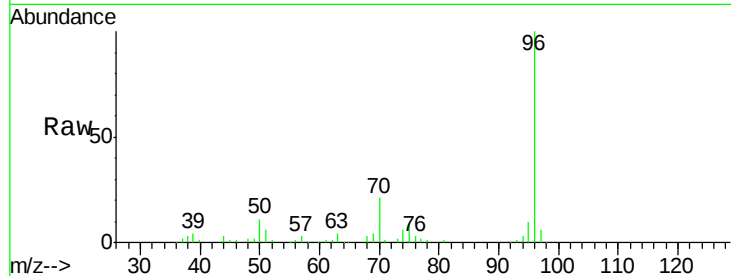
ClientSampleId :

VSTDIC001

Tot Ion:	96	Resp:	85292
Ion Ratio	Lower	Upper	
96	100		
70	20.3	14.4	21.6
95	9.3	7.1	10.7
97	6.6	0.0	0.0#

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#2

Dichlorodifluoromethane

Concen: 0.747 ug/l

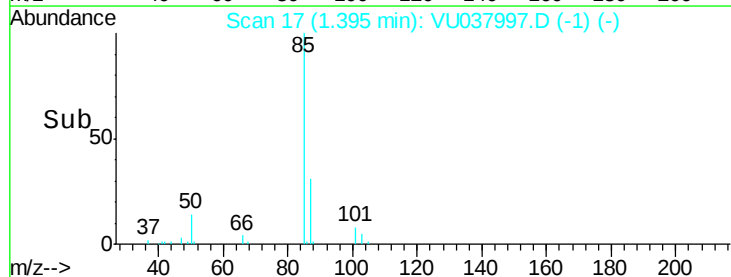
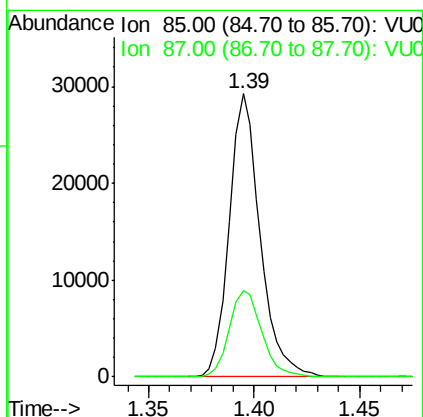
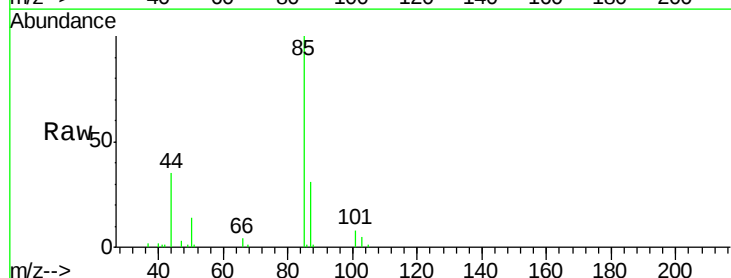
RT: 1.39 min Scan# 17

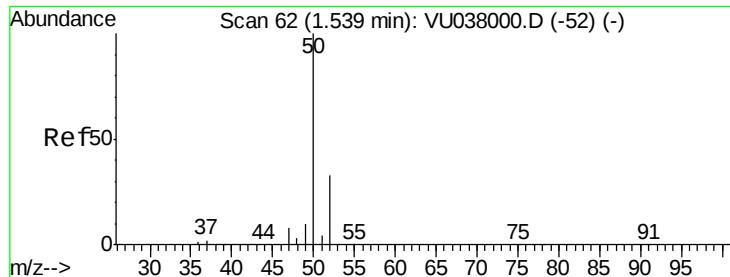
Delta R.T. 0.00 min

Lab File: VU037997.D

Acq: 04 May 2020 11:17

Tgt Ion:	85	Resp:	29589
Ion Ratio	Lower	Upper	
85	100		
87	30.7	16.2	48.5





#3

Chloromethane

Concen: 0.935 ug/l

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU037997.D

Acq: 04 May 2020 11:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 50 Resp: 37366

Ion Ratio Lower Upper

50 100

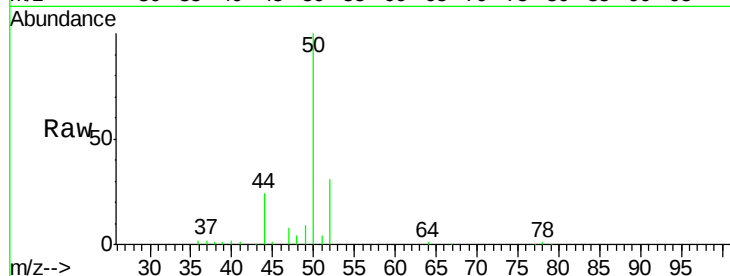
52 30.8 26.1 39.1

Manual Integrations

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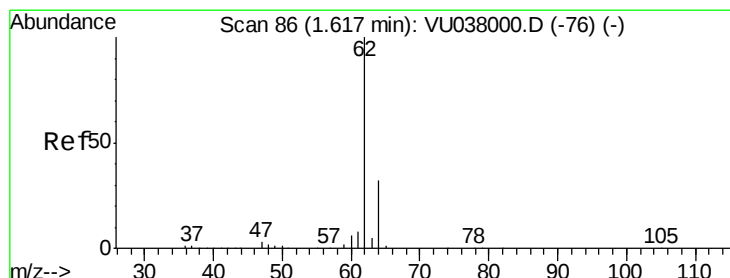
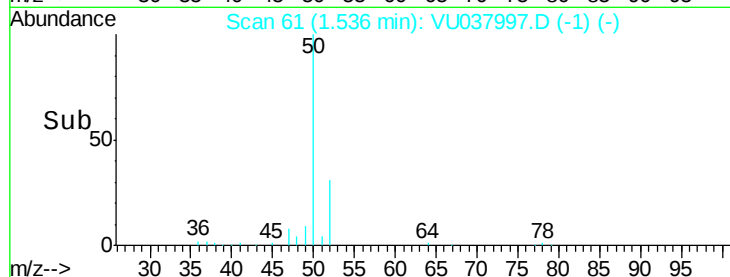
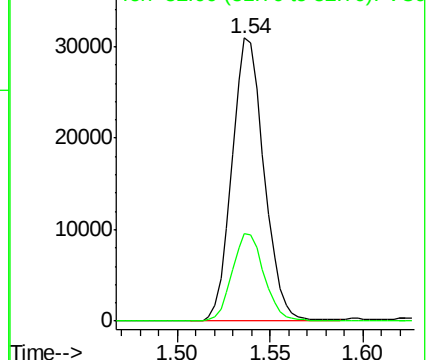
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Abundance Ion 50.00 (49.70 to 50.70): VU038000.D (-52) (-)

Ion 52.00 (51.70 to 52.70): VU038000.D (-52) (-)



#4

Vinyl Chloride

Concen: 0.975 ug/l

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU037997.D

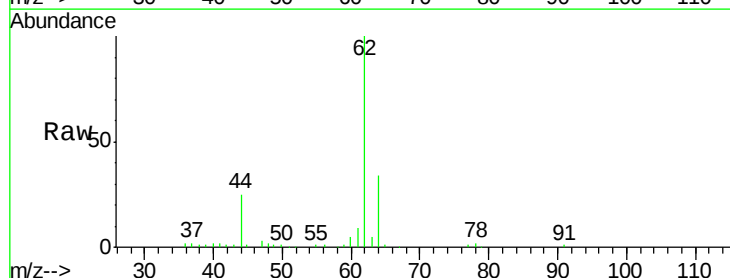
Acq: 04 May 2020 11:17

Tgt Ion: 62 Resp: 34998

Ion Ratio Lower Upper

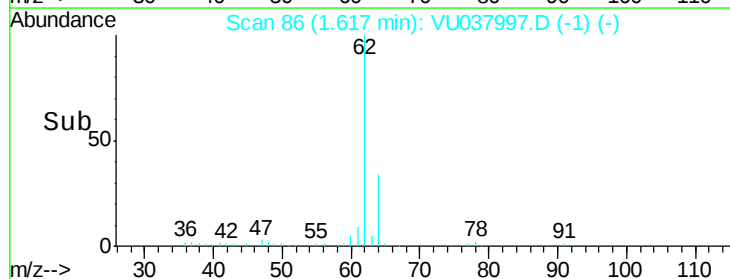
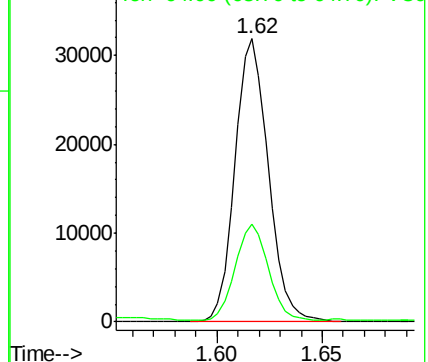
62 100

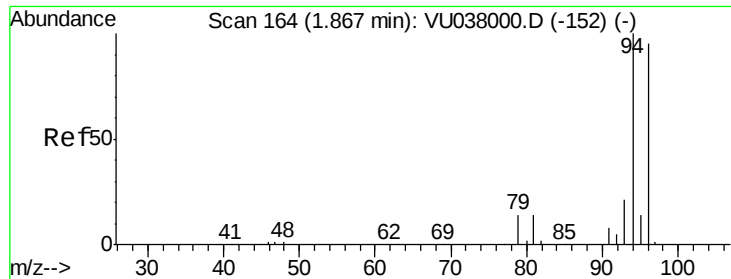
64 33.7 25.7 38.5



Abundance Ion 62.00 (61.70 to 62.70): VU038000.D (-76) (-)

Ion 64.00 (63.70 to 64.70): VU038000.D (-76) (-)





#5

Bromomethane

Concen: 1.795 ug/l

RT: 1.87 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU037997.D

Acq: 04 May 2020 11:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 94 Resp: 24293

Ion Ratio Lower Upper

94 100

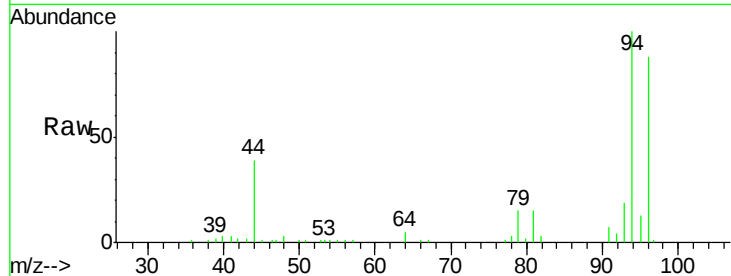
96 88.5 76.1 114.1

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Abundance Ion 94.00 (93.70 to 94.70): VU037997.D (-152) (-)

Ion 96.00 (95.70 to 96.70): VU037997.D (-152) (-)

20000

15000

10000

5000

0

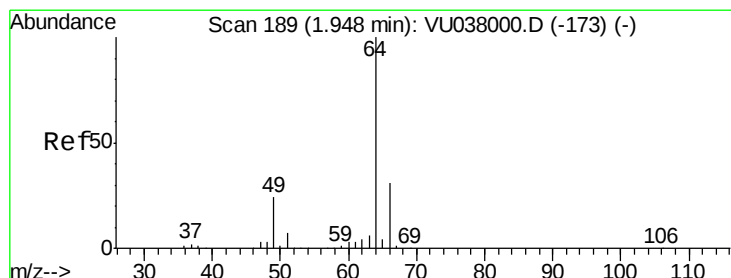
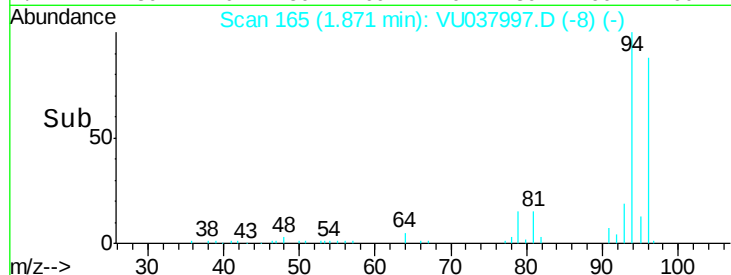
1.80

1.85

1.90

1.95

Time-->



#6

Chloroethane

Concen: 1.174 ug/l

RT: 1.95 min Scan# 190

Delta R.T. 0.00 min

Lab File: VU037997.D

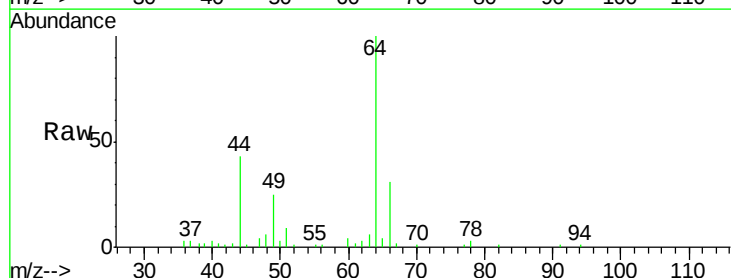
Acq: 04 May 2020 11:17

Tgt Ion: 64 Resp: 21119

Ion Ratio Lower Upper

64 100

66 32.8 24.8 37.2



Abundance Ion 64.00 (63.70 to 64.70): VU037997.D (-173) (-)

Ion 66.00 (65.70 to 66.70): VU037997.D (-173) (-)

15000

10000

5000

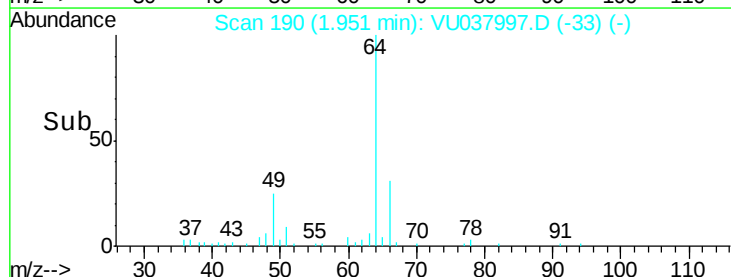
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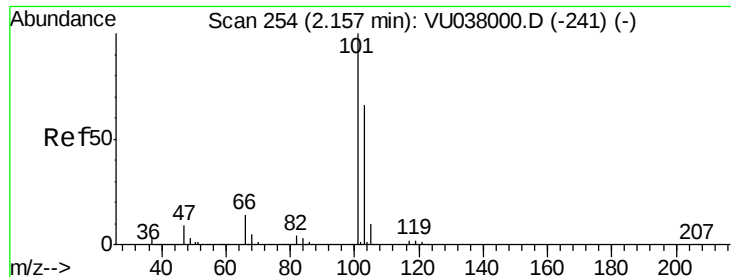
1.90

1.95

2.00

Time-->





#7

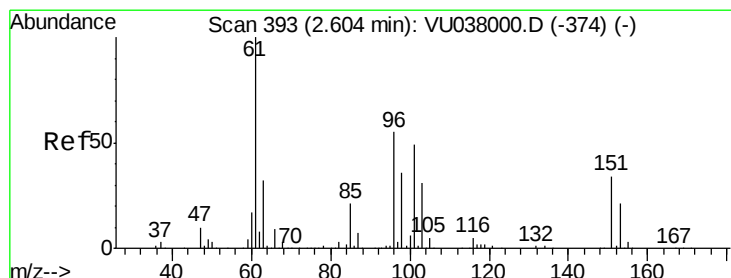
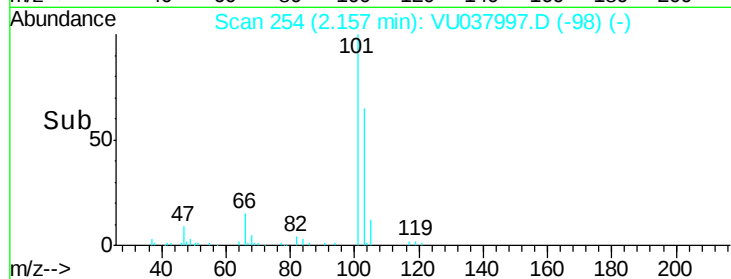
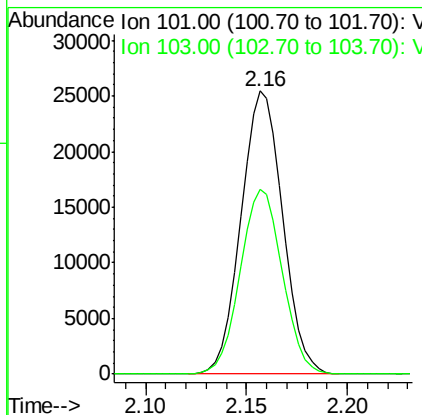
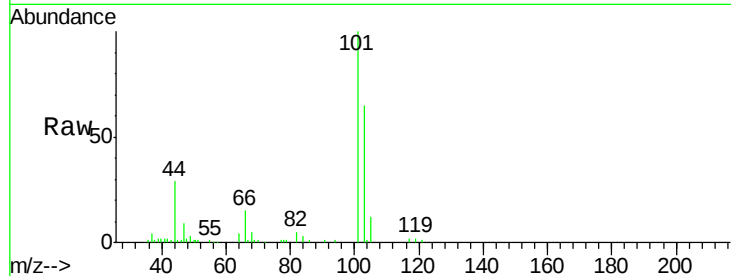
Trichlorofluoromethane
Concen: 0.857 ug/l
RT: 2.16 min Scan# 254
Delta R.T. 0.00 min
Lab File: VU037997.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	52.6	78.8

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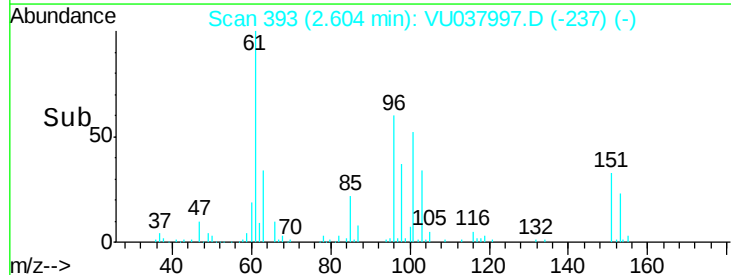
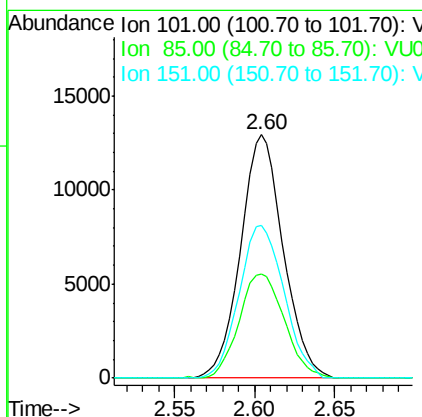
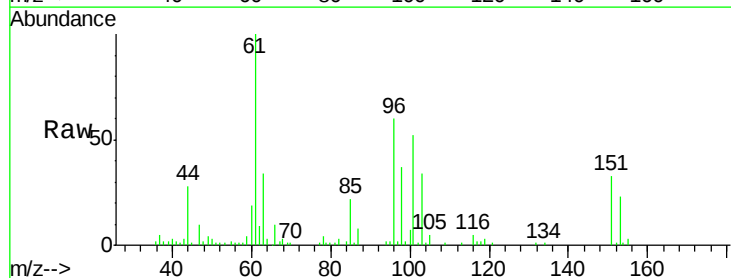
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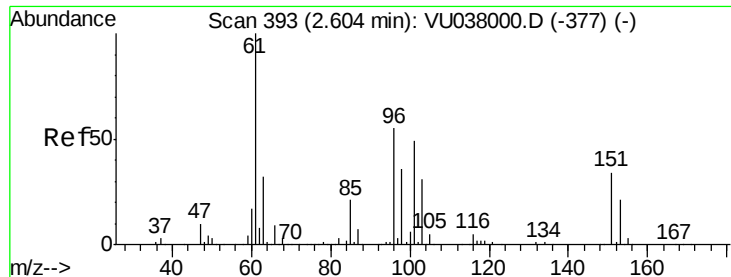


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.122 ug/l
RT: 2.60 min Scan# 393
Delta R.T. 0.00 min
Lab File: VU037997.D
Acq: 04 May 2020 11:17

Tgt Ion	Ratio	Lower	Upper
101	100		
85	45.3	35.5	53.3
151	66.1	55.2	82.8





#9

1,1-Dichloroethene

Concen: 1.191 ug/l

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037997.D

Acq: 04 May 2020 11:17

Instrument :

MSVOA_U

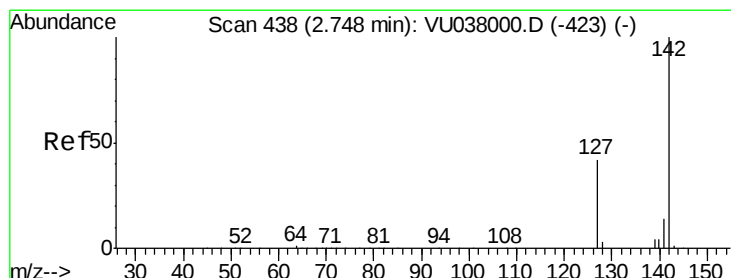
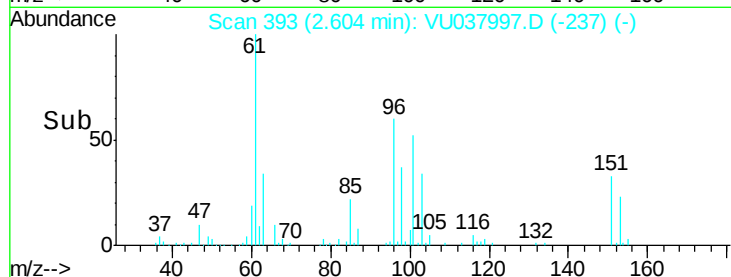
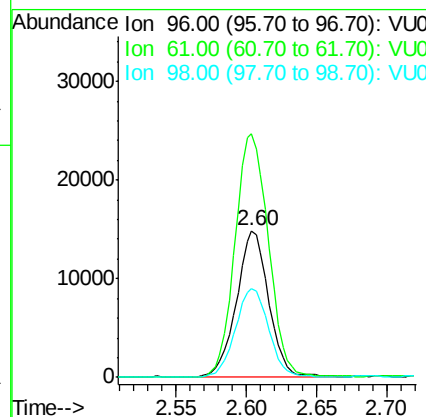
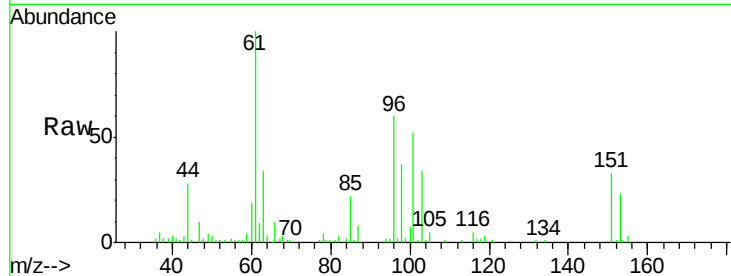
ClientSampleId :

VSTDIC001

Tot Ion:	96	Resp:	23948
Ion	Ratio	Lower	Upper
96	100		
61	165.7	0.0	543.0
98	60.6	0.0	129.4

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#10

Iodomethane

Concen: 0.803 ug/l

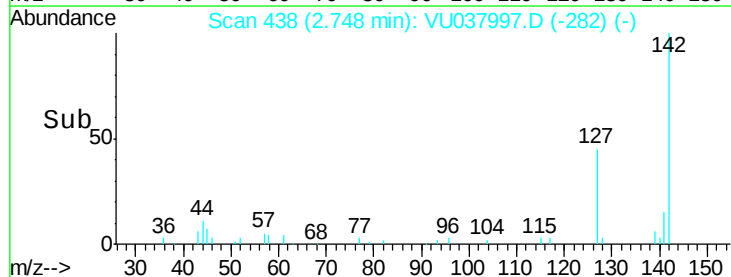
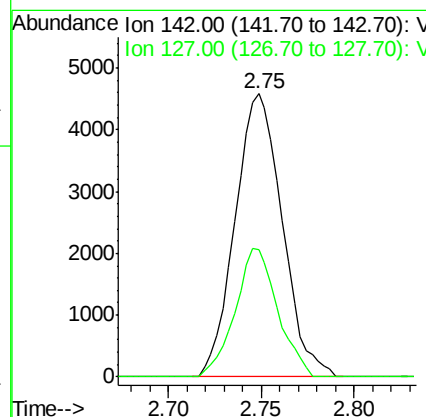
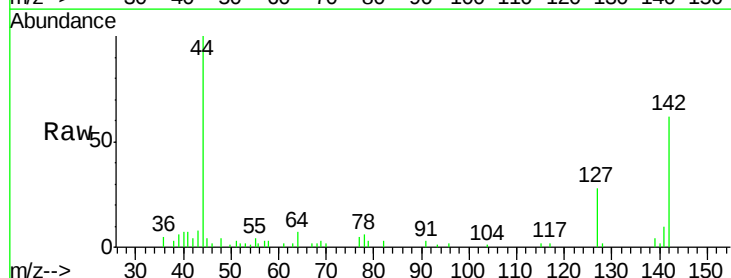
RT: 2.75 min Scan# 438

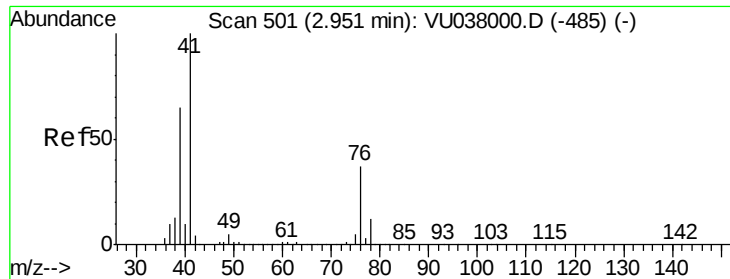
Delta R.T. 0.00 min

Lab File: VU037997.D

Acq: 04 May 2020 11:17

Tgt Ion:	142	Resp:	8060
Ion	Ratio	Lower	Upper
142	100		
127	40.8	33.5	50.3





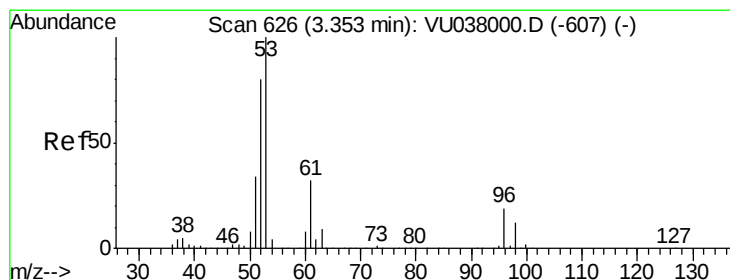
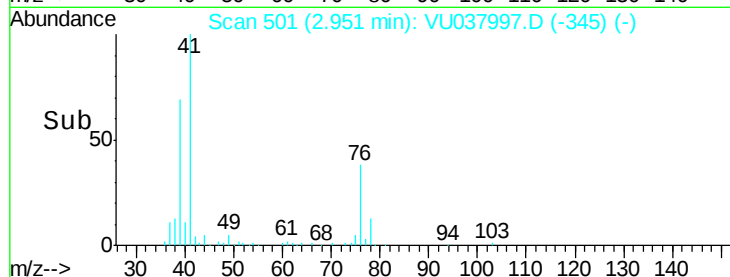
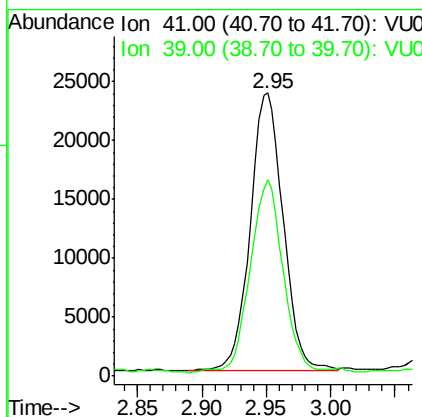
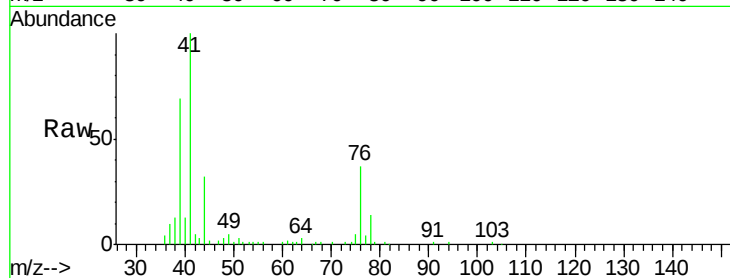
#11
Allvl Chloride
Concen: 1.081 ug/l
RT: 2.95 min Scan# 501
Delta R.T. 0.00 min
Lab File: VU037997.D
Acq: 04 May 2020 11:17

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion: 41 Resp: 42082
Ion Ratio Lower Upper
41 100
39 68.9 51.7 77.5

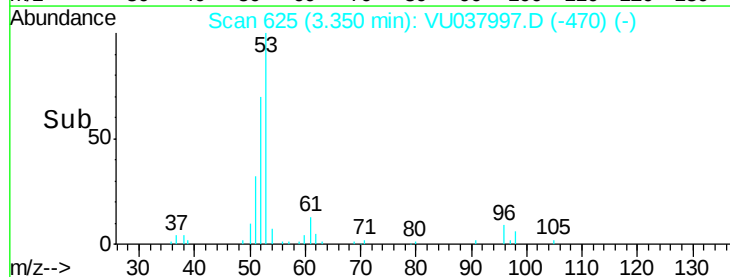
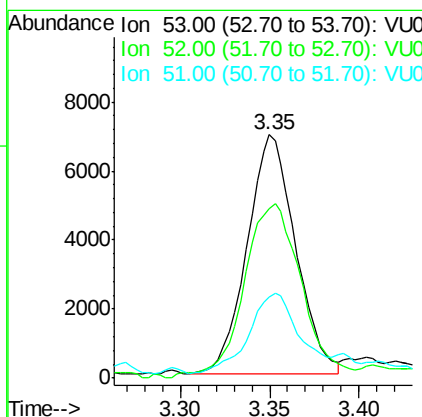
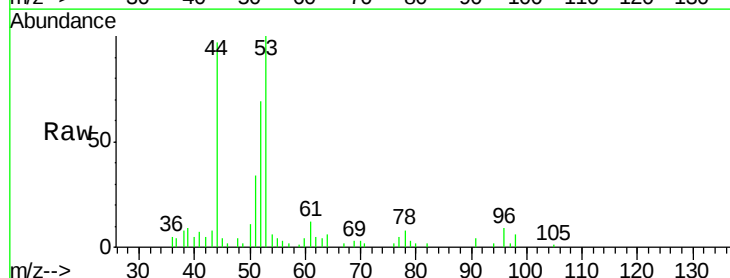
Manual Integrations
APPROVED

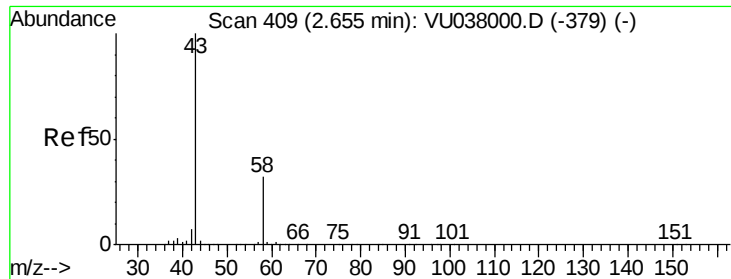
apatel
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#12
Acrylonitrile
Concen: 2.673 ug/l
RT: 3.35 min Scan# 625
Delta R.T. -0.00 min
Lab File: VU037997.D
Acq: 04 May 2020 11:17

Tgt Ion: 53 Resp: 13133
Ion Ratio Lower Upper
53 100
52 86.5 63.3 94.9
51 34.2 30.2 45.2





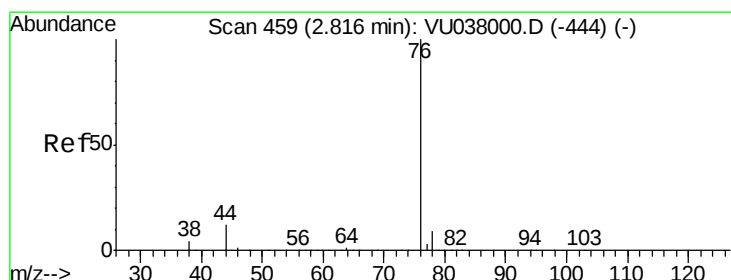
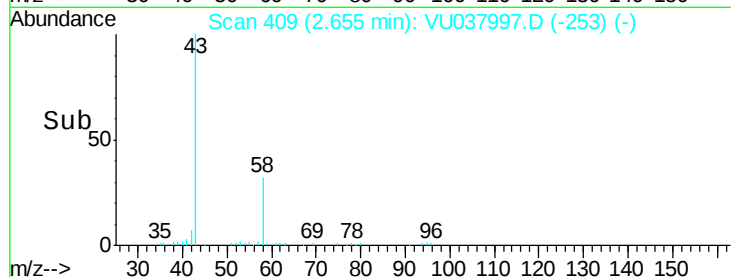
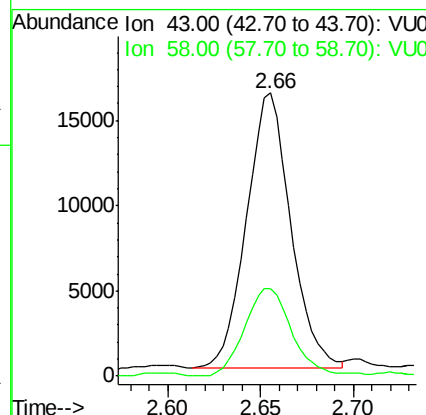
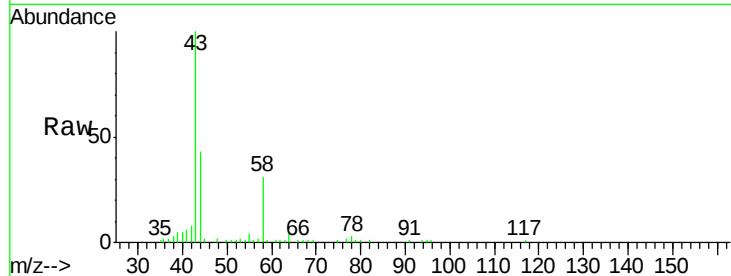
#13
Acetone
Concen: 5.122 ug/l
RT: 2.66 min Scan# 409
Delta R.T. 0.00 min
Lab File: VU037997.D
Acq: 04 May 2020 11:17

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
43	100		
58	32.1	25.2	37.8

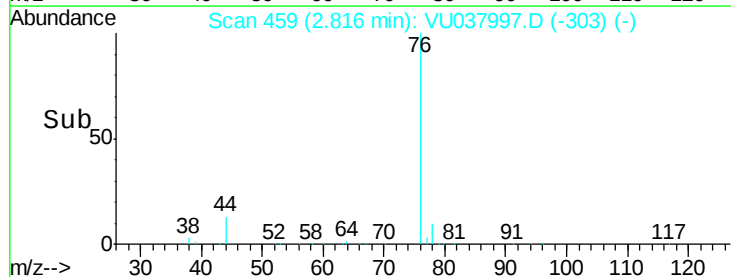
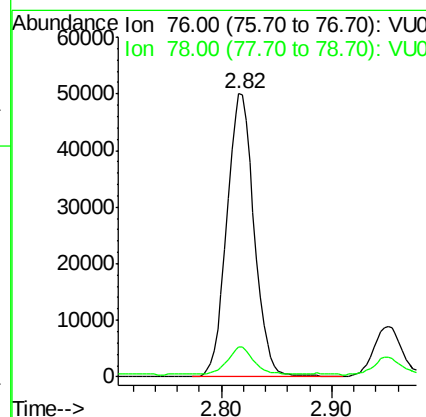
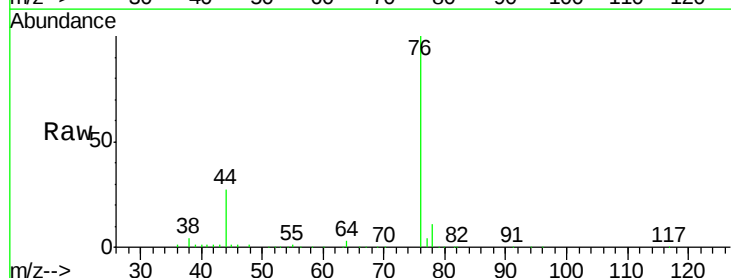
Manual Integrations
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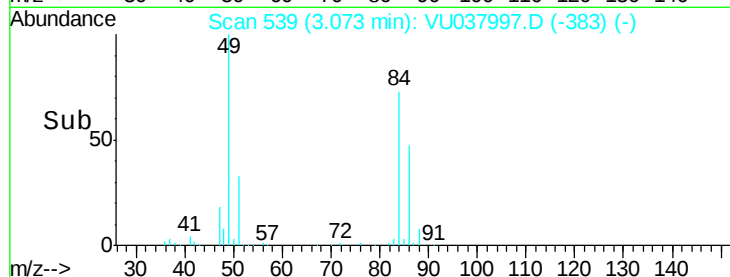
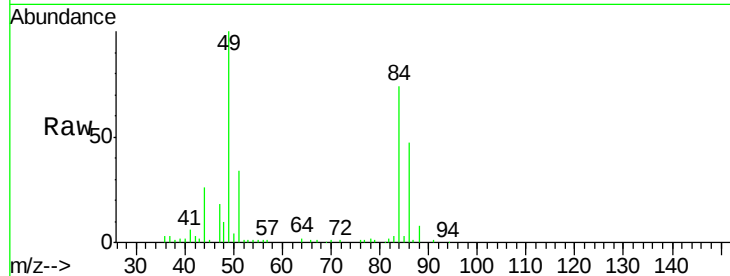
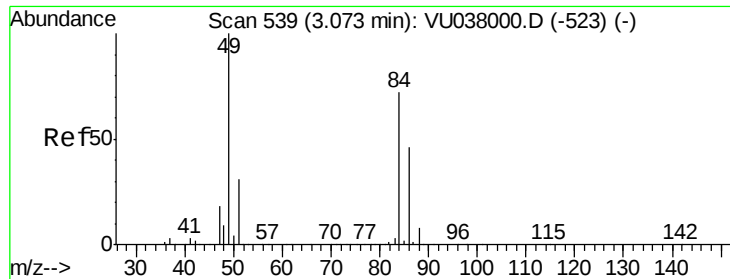
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#14
Carbon Disulfide
Concen: 1.261 ug/l
RT: 2.82 min Scan# 459
Delta R.T. 0.00 min
Lab File: VU037997.D
Acq: 04 May 2020 11:17

Tgt Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.0	10.6





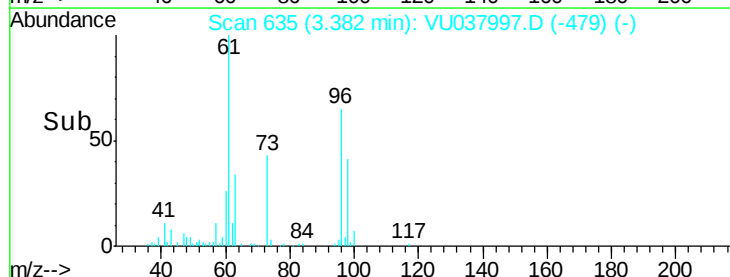
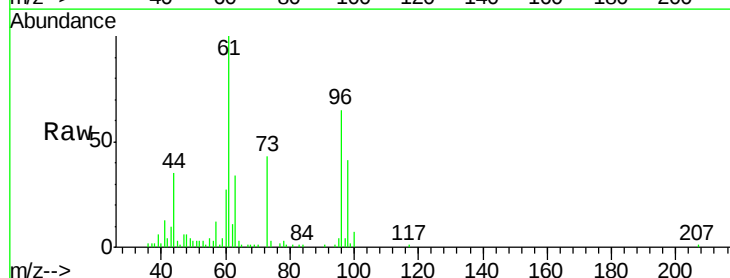
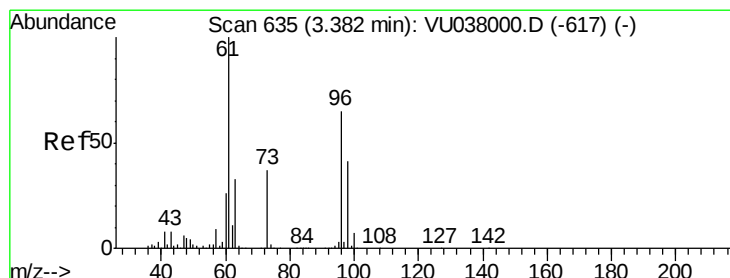
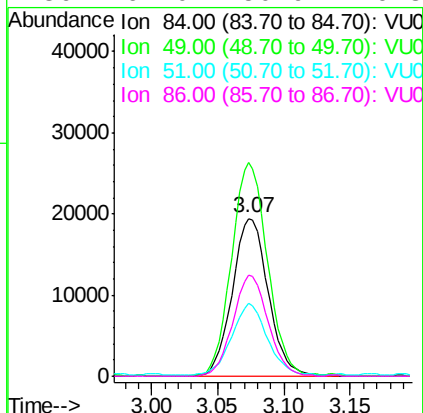
#15
Methvlene Chloride
Concen: 1.438 ug/l
RT: 3.07 min Scan# 539
Delta R.T. 0.00 min
Lab File: VU037997.D
Acq: 04 May 2020 11:17

Tot Ion:	84	Resp:	36643
Ion	Ratio	Lower	Upper
84	100		
49	135.3	110.6	166.0
51	44.8	0.0	85.4
86	64.0	50.9	76.3

Instrument :
MSVOA_U
ClientSampled :
VSTDIC001

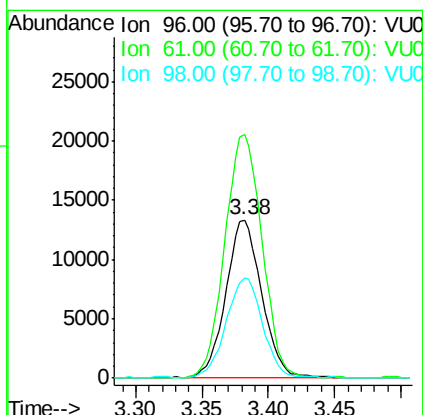
Manual Integrations
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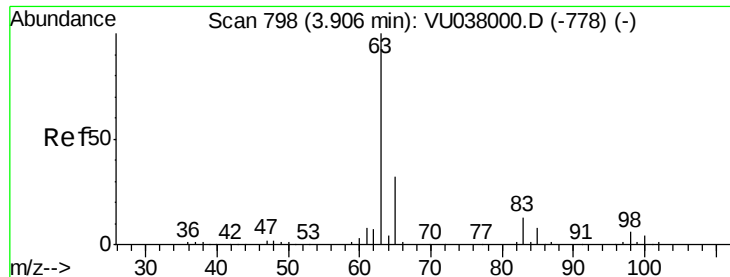
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#16
trans-1,2-Dichloroethene
Concen: 1.171 ug/l
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU037997.D
Acq: 04 May 2020 11:17

Tgt Ion:	96	Resp:	25176
Ion	Ratio	Lower	Upper
96	100		
61	153.0	122.4	183.6
98	63.1	50.1	75.1





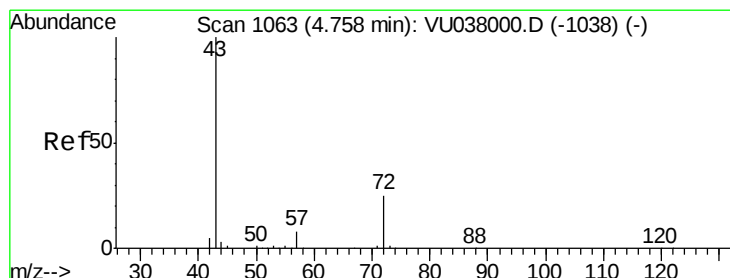
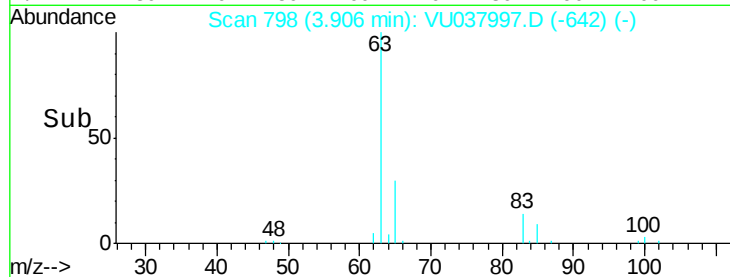
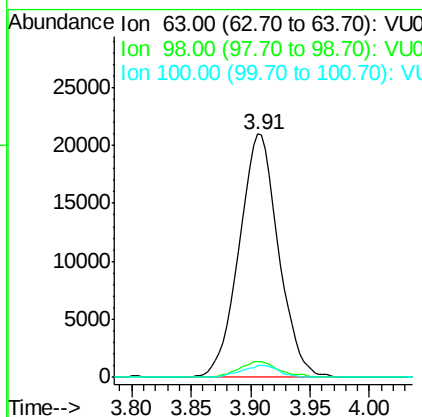
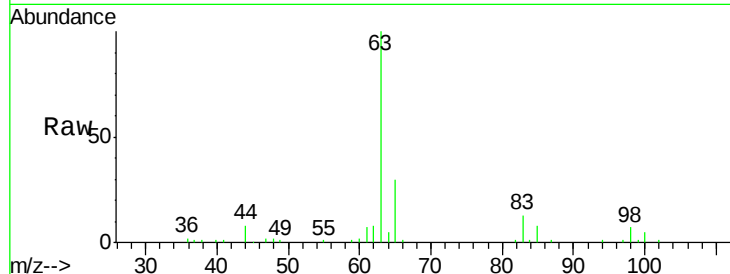
#17
 1,1-Dichloroethane
 Concen: 0.995 ug/l
 RT: 3.91 min Scan# 798
 Delta R.T. 0.00 min
 Lab File: VU037997.D
 Acq: 04 May 2020 11:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion:	63	Resp:	48042
Ion Ratio	Lower	Upper	
63	100		
98	6.7	3.1	9.4
100	4.8	2.2	6.6

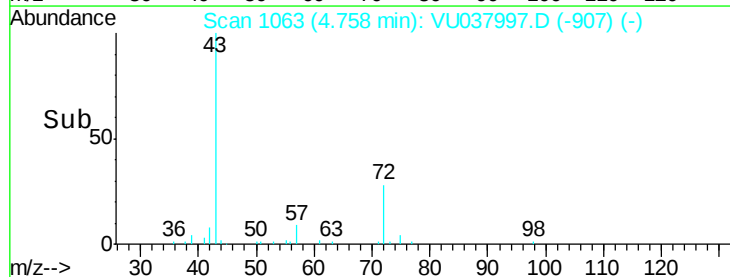
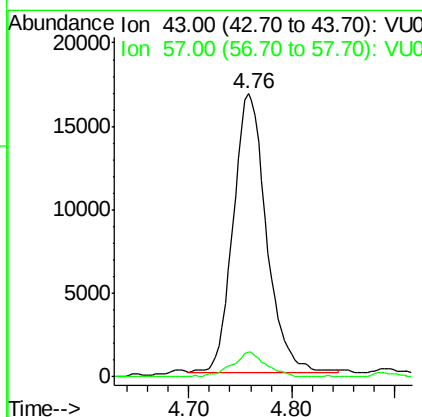
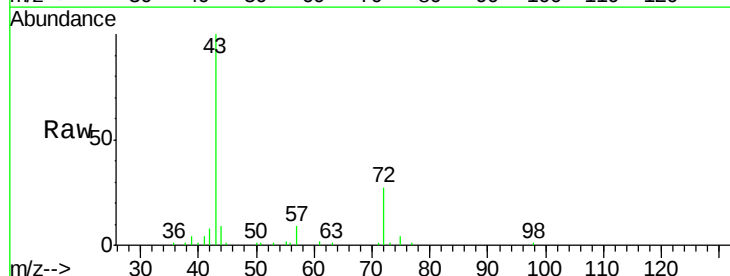
Manual Integrations
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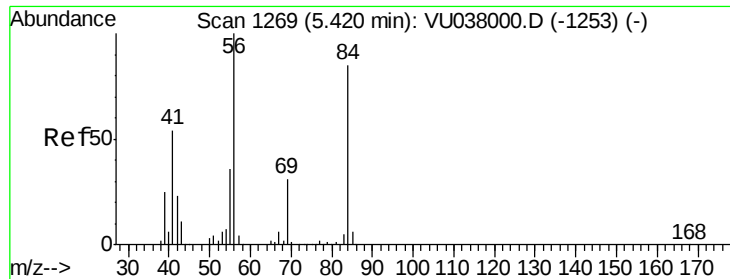
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#18
 2-Butanone
 Concen: 4.735 ug/l
 RT: 4.76 min Scan# 1063
 Delta R.T. 0.00 min
 Lab File: VU037997.D
 Acq: 04 May 2020 11:17

Tgt Ion:	43	Resp:	37303
Ion Ratio	Lower	Upper	
43	100		
57	9.1	0.0	16.6





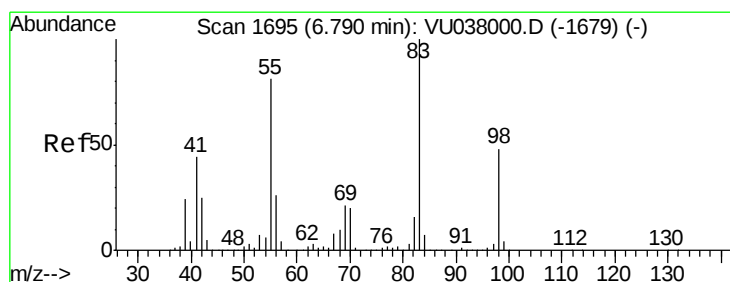
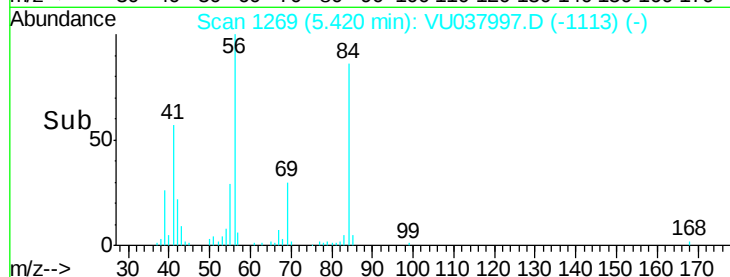
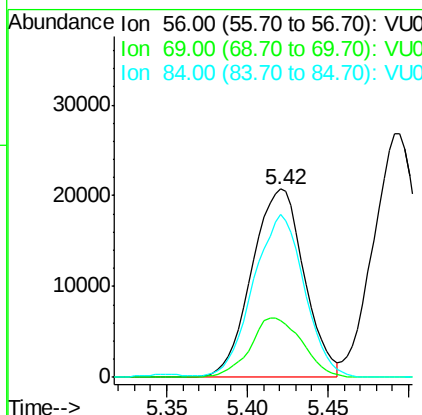
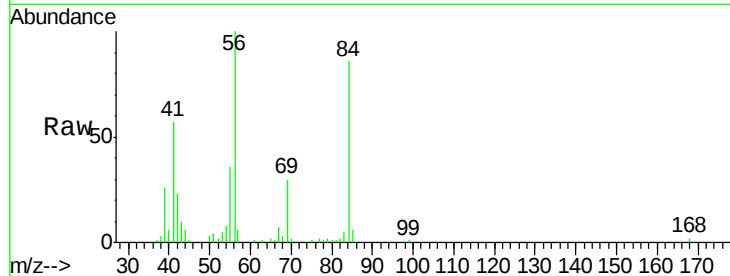
#19
Cyclohexane
Concen: 1.117 ug/l m
RT: 5.42 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VU037997.D
Acq: 04 May 2020 11:17

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion:	56	Resp:	46501
Ion Ratio	Lower	Upper	
56	100		
69	31.3	24.3	36.5
84	83.4	66.3	99.5

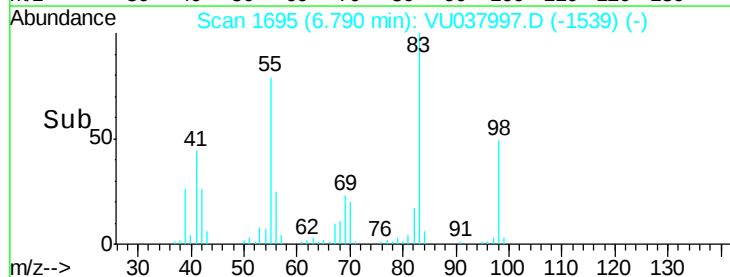
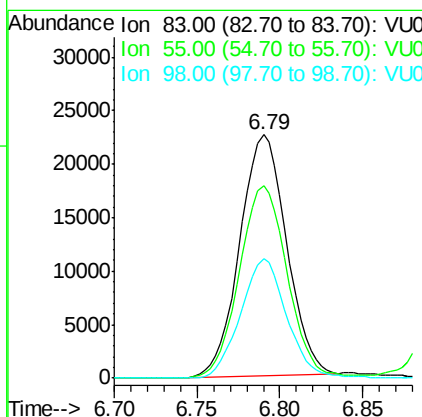
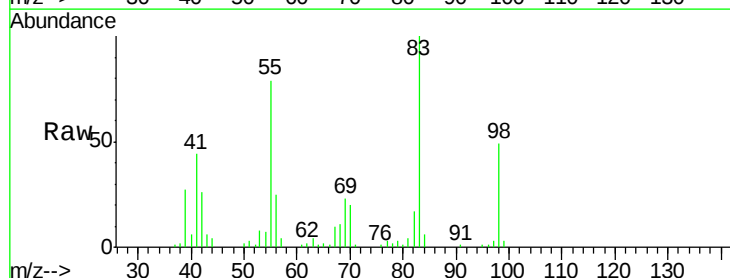
Manual Integrations
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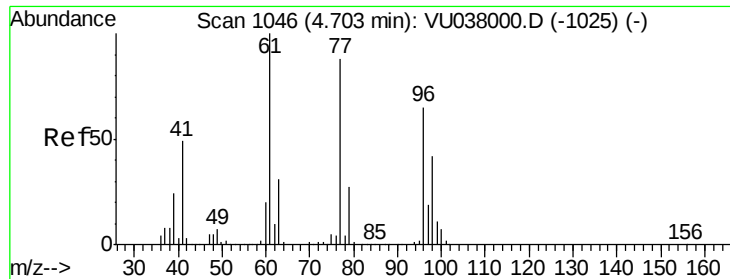
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#20
Methylcyclohexane
Concen: 1.072 ug/l
RT: 6.79 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VU037997.D
Acq: 04 May 2020 11:17

Tgt Ion:	83	Resp:	44240
Ion Ratio	Lower	Upper	
83	100		
55	80.3	61.5	92.3
98	48.8	37.3	55.9





#21

2,2-Dichloropropane

Concen: 0.954 ug/l

RT: 4.70 min Scan# 1046

Delta R.T. 0.00 min

Lab File: VU037997.D

Acq: 04 May 2020 11:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 77 Resp: 41556

Ion Ratio Lower Upper

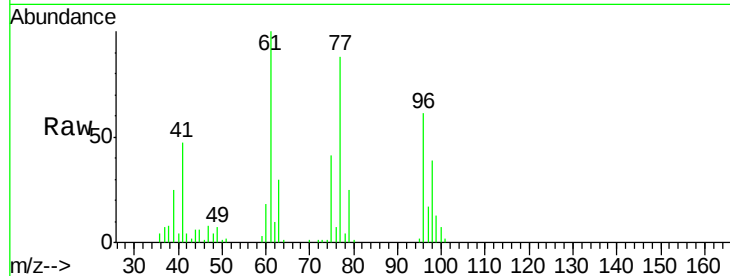
77 100

97 20.0 17.4 26.2

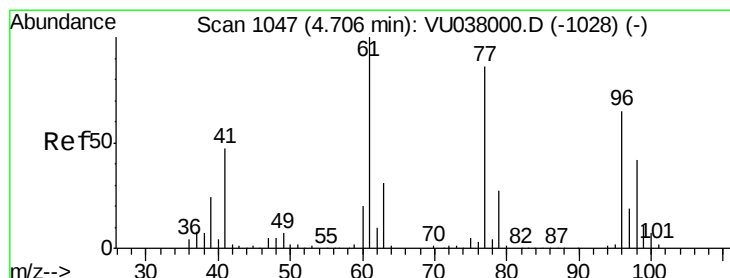
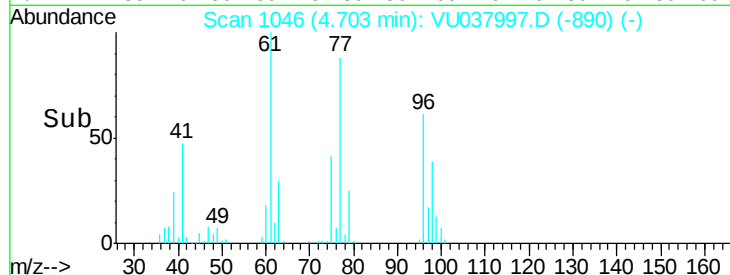
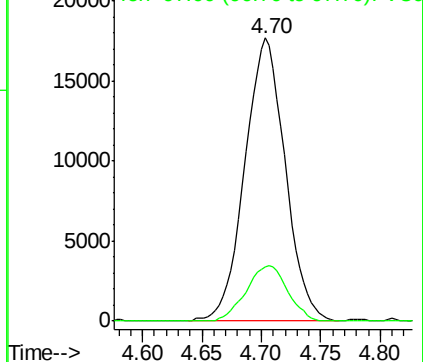
Manual Integrations
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Abundance Ion 77.00 (76.70 to 77.70): VU037997.D (-890) (-)



#22

cis-1,2-Dichloroethene

Concen: 1.050 ug/l

RT: 4.70 min Scan# 1046

Delta R.T. -0.00 min

Lab File: VU037997.D

Acq: 04 May 2020 11:17

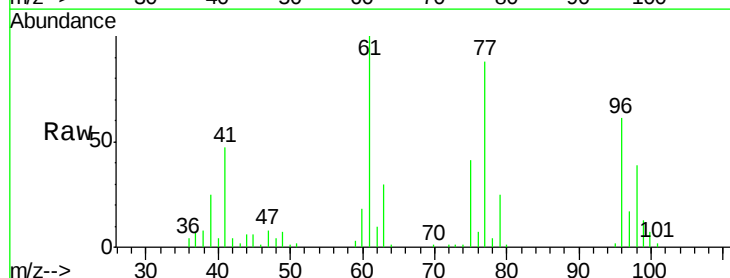
Tgt Ion: 96 Resp: 27191

Ion Ratio Lower Upper

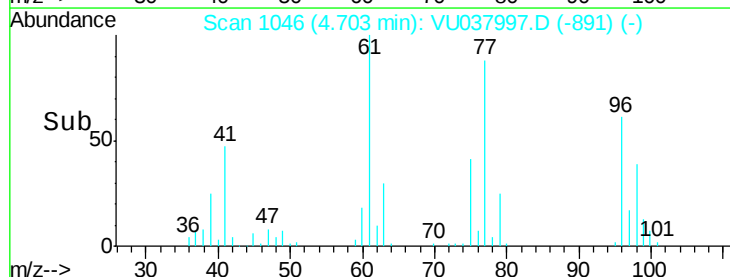
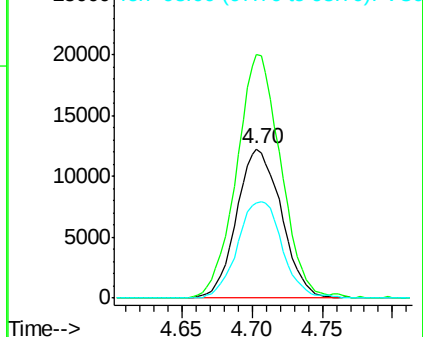
96 100

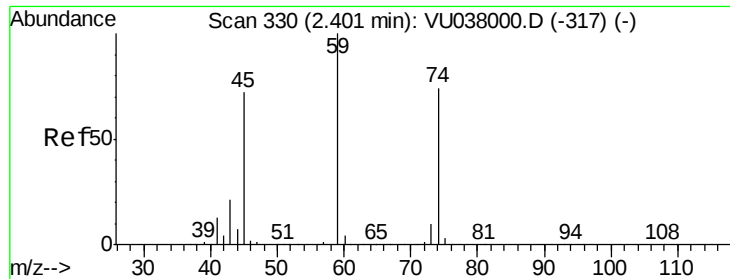
61 160.5 0.0 389.3

98 64.4 32.1 96.3



Abundance Ion 96.00 (95.70 to 96.70): VU037997.D (-891) (-)





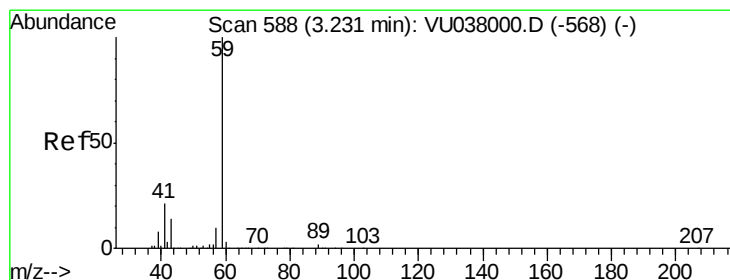
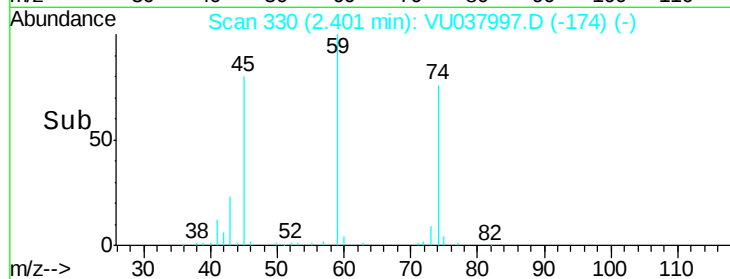
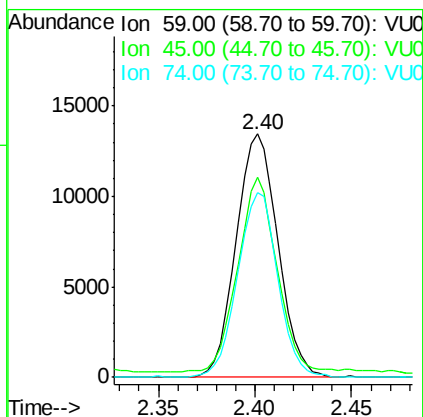
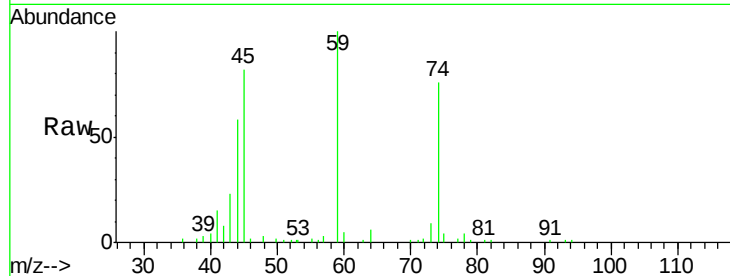
#23
Diethyl Ether
Concen: 1.172 ug/l
RT: 2.40 min Scan# 330
Delta R.T. 0.00 min
Lab File: VU037997.D
Acq: 04 May 2020 11:17

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
59	100		
45	75.3	59.8	89.6
74	73.2	58.2	87.4

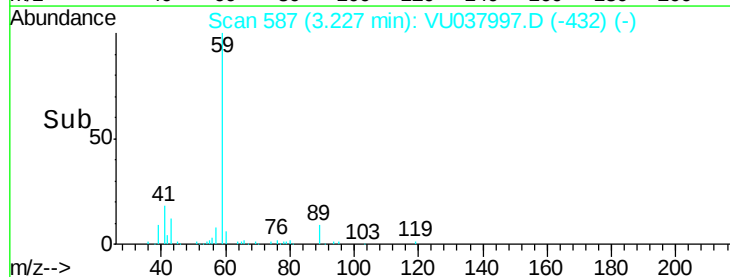
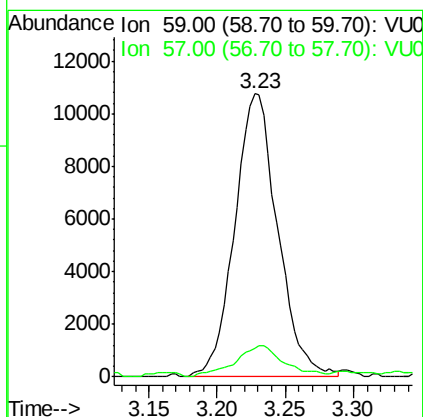
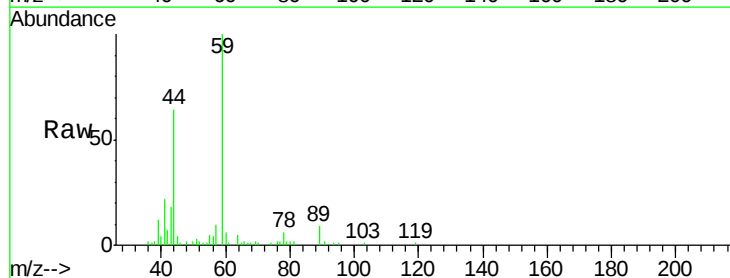
Manual Integrations
APPROVED

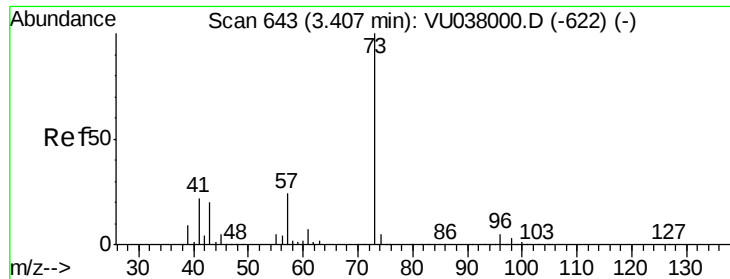
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#24
tert-Butyl Alcohol
Concen: 12.737 ug/l
RT: 3.23 min Scan# 587
Delta R.T. -0.00 min
Lab File: VU037997.D
Acq: 04 May 2020 11:17

Tgt Ion	Ratio	Lower	Upper
59	100		
57	12.1	8.2	12.4





#25

Methyl tert-Butyl Ether

Concen: 1.072 ug/l

RT: 3.40 min Scan# 642

Delta R.T. -0.00 min

Lab File: VU037997.D

Acq: 04 May 2020 11:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 73 Resp: 62632

Ion Ratio Lower Upper

73 100

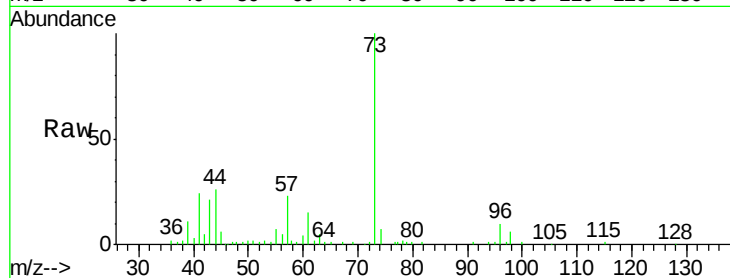
43 25.2 16.2 24.2#

Manual Integrations

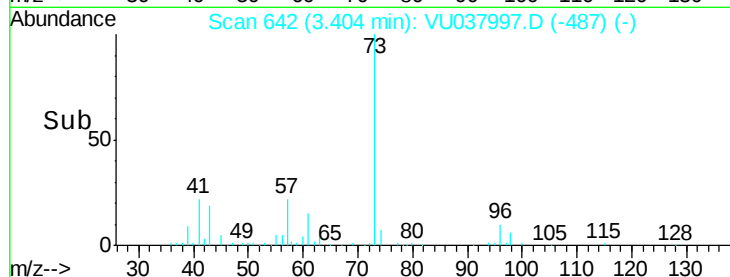
APPROVED

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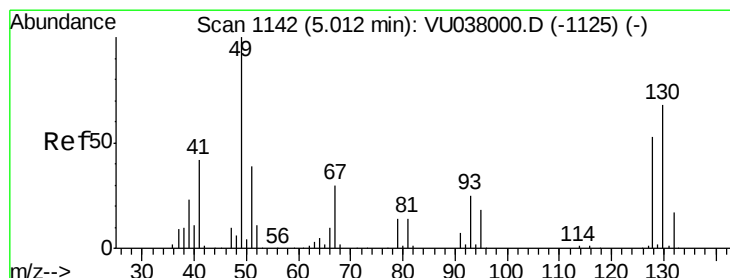
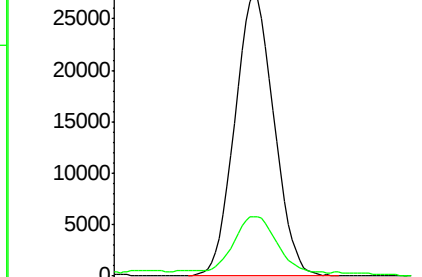
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Abundance Ion 73.00 (72.70 to 73.70): VU037997.D (-487) (-)



Ion 43.00 (42.70 to 43.70): VU037997.D (-487) (-)



#26

Bromochloromethane

Concen: 0.960 ug/l

RT: 5.01 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU037997.D

Acq: 04 May 2020 11:17

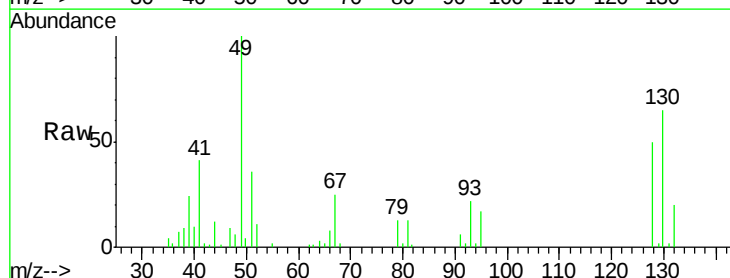
Tgt Ion: 128 Resp: 10801

Ion Ratio Lower Upper

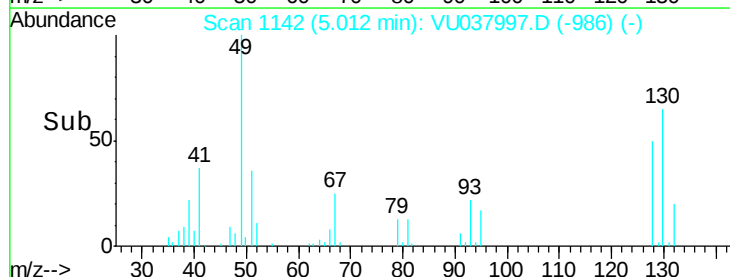
128 100

49 201.1 0.0 376.0

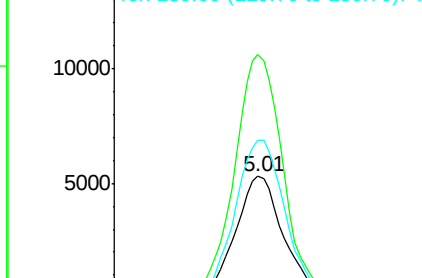
130 135.9 102.6 153.8

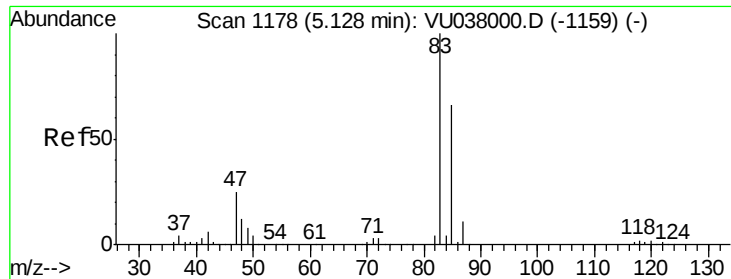


Abundance Ion 128.00 (127.70 to 128.70): VU037997.D (-986) (-)



Ion 49.00 (48.70 to 49.70): VU037997.D (-986) (-)





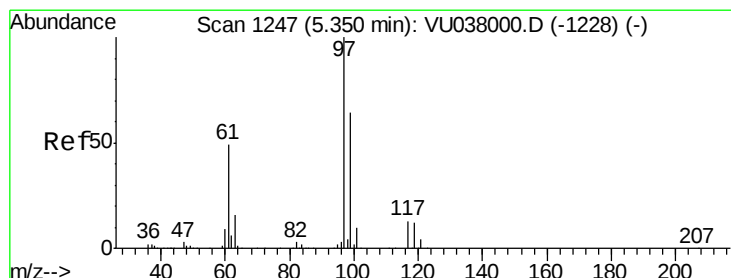
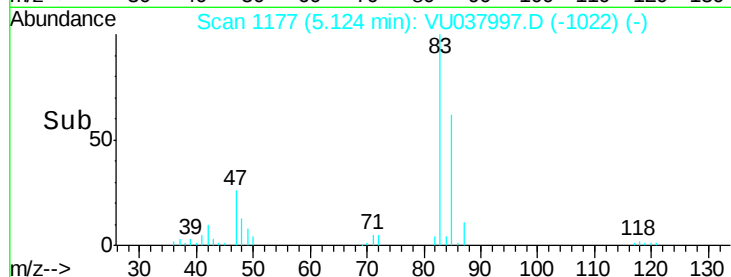
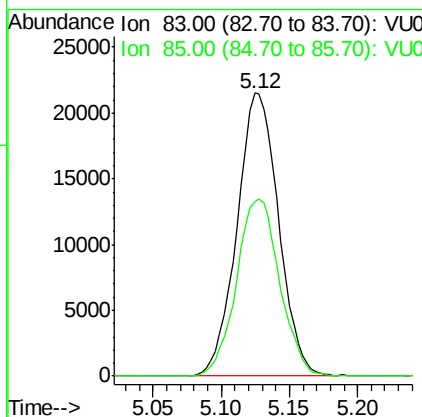
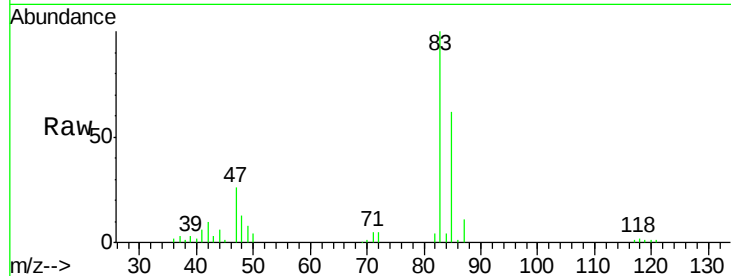
#27
Chloroform
Concen: 0.890 ug/l
RT: 5.12 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VU037997.D
Acq: 04 May 2020 11:17

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	83	Resp	45533
Ion Ratio	100	Lower	Upper
85	61.7	0.0	132.0

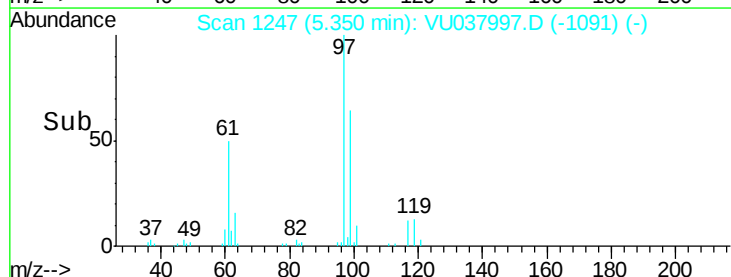
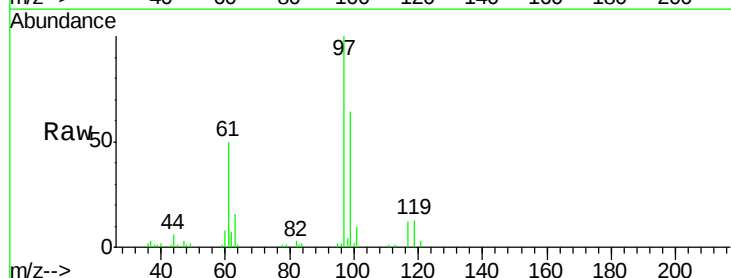
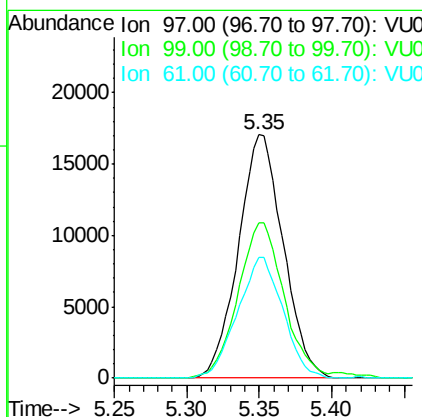
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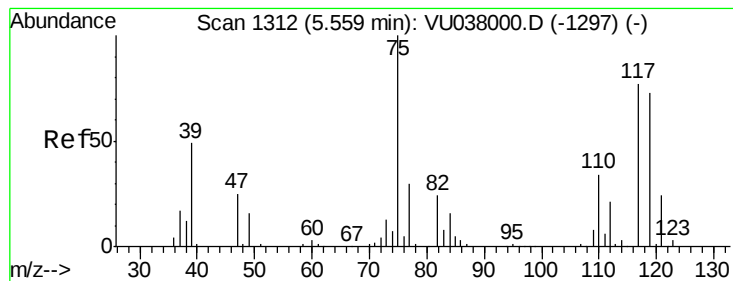
apatel
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#28
1,1,1-Trichloroethane
Concen: 0.846 ug/l
RT: 5.35 min Scan# 1247
Delta R.T. 0.00 min
Lab File: VU037997.D
Acq: 04 May 2020 11:17

Tgt Ion	97	Resp	36643
Ion Ratio	100	Lower	Upper
99	65.2	31.9	95.9
61	50.1	24.1	72.4





#29

1,1-Dichloropropene

Concen: 1.034 ug/l

RT: 5.56 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU037997.D

Acq: 04 May 2020 11:17

Instrument :

MSVOA_U

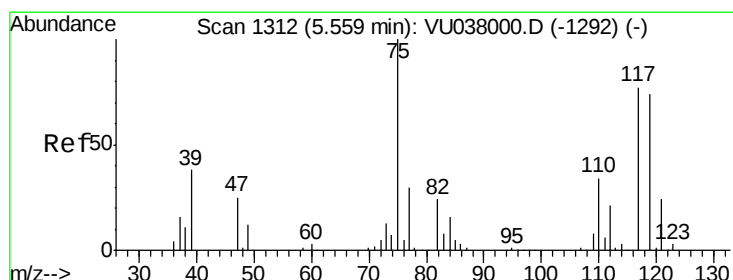
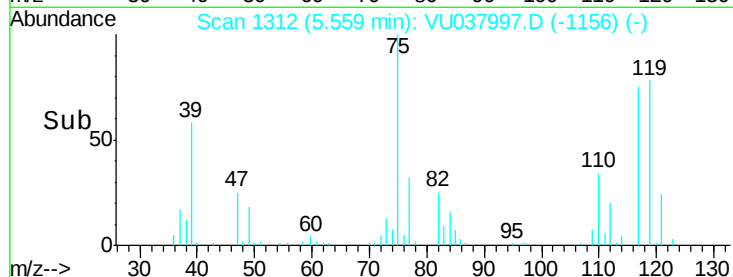
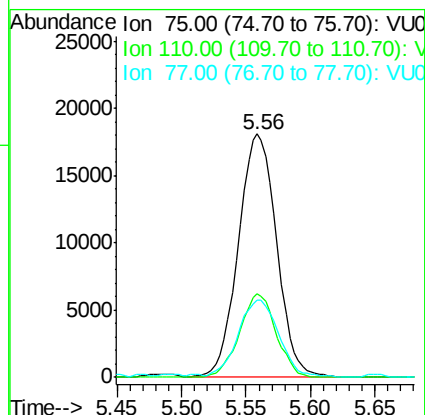
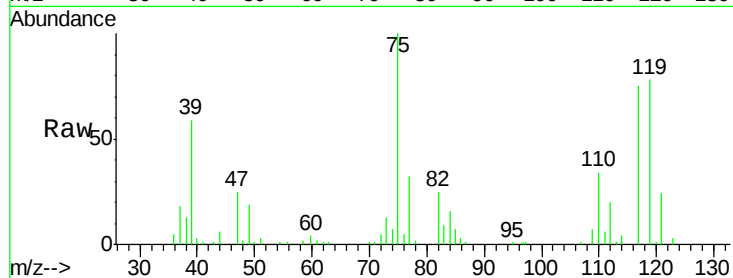
ClientSampleId :

VSTDIC001

Tot Ion:	75	Resp:	37403
Ion Ratio	Lower	Upper	
75	100		
110	32.6	16.7	50.1
77	34.0	24.5	36.7

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#30

Carbon Tetrachloride

Concen: 0.808 ug/l

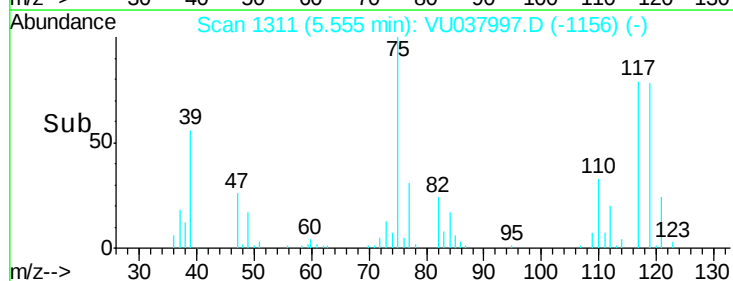
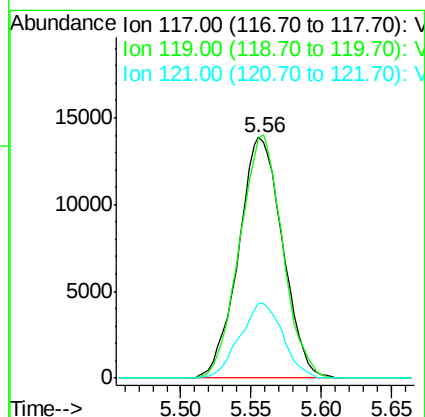
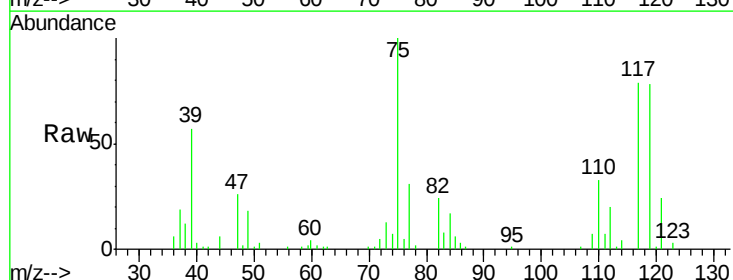
RT: 5.56 min Scan# 1311

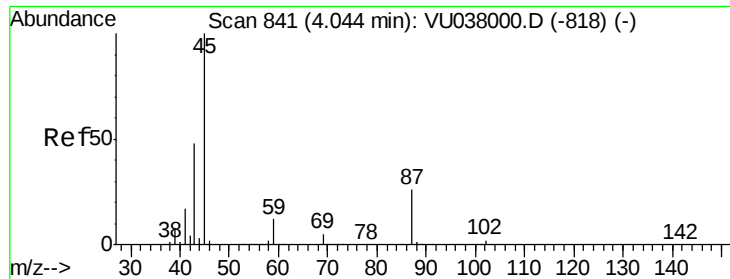
Delta R.T. -0.00 min

Lab File: VU037997.D

Acq: 04 May 2020 11:17

Tgt Ion:	117	Resp:	30301
Ion Ratio	Lower	Upper	
117	100		
119	99.3	76.3	114.5
121	30.8	24.7	37.1





#31

Isopropyl Ether

Concen: 1.023 ug/l

RT: 4.04 min Scan# 840

Delta R.T. -0.00 min

Lab File: VU037997.D

Acq: 04 May 2020 11:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 45 Resp: 78983

Ion Ratio Lower Upper

45 100

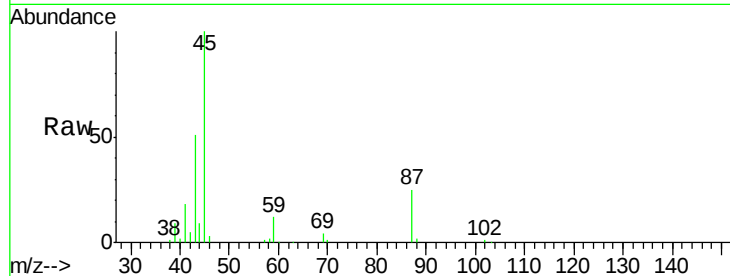
43 49.1 24.2 72.6

Manual Integrations

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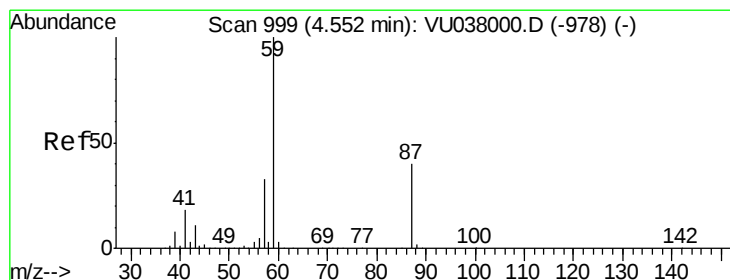
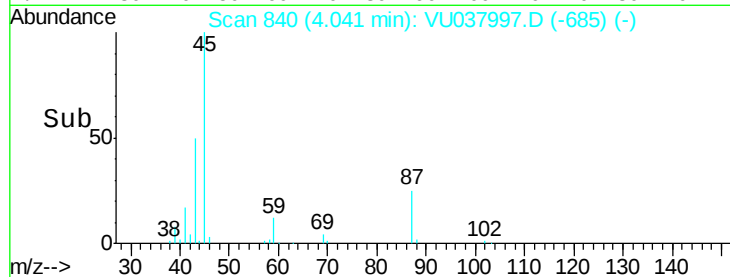
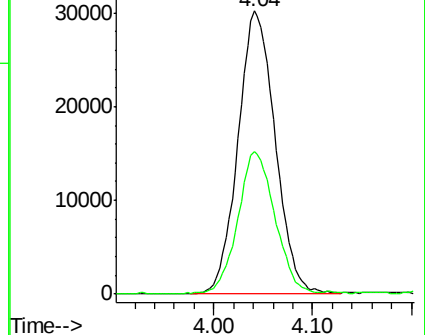
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Abundance Ion 45.00 (44.70 to 45.70): VU037997.D (-685) (-)

Ion 43.00 (42.70 to 43.70): VU037997.D (-685) (-)



#32

Ethyl-t-butyl ether

Concen: 0.982 ug/l

RT: 4.55 min Scan# 998

Delta R.T. -0.00 min

Lab File: VU037997.D

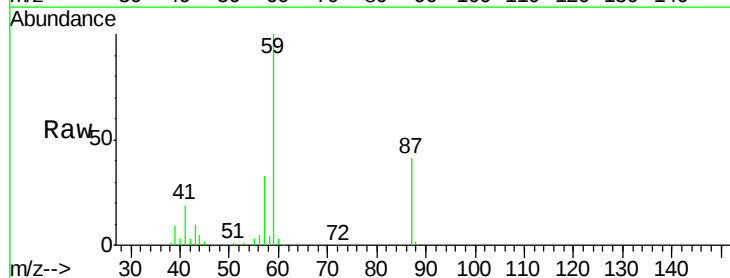
Acq: 04 May 2020 11:17

Tgt Ion: 59 Resp: 71056

Ion Ratio Lower Upper

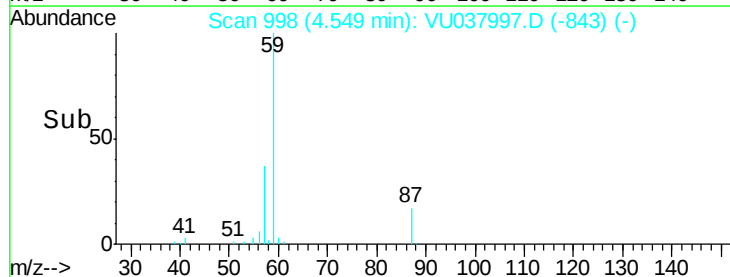
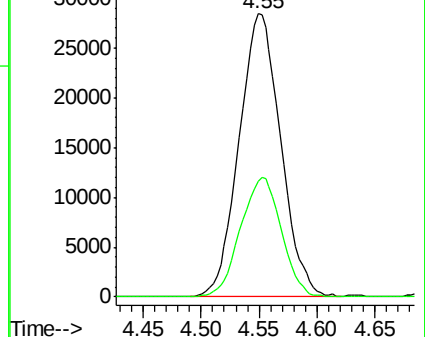
59 100

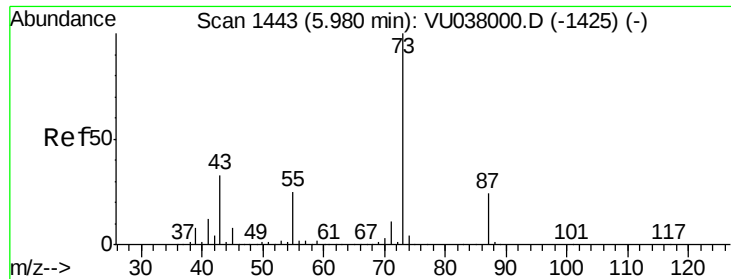
87 41.3 32.4 48.6



Abundance Ion 59.00 (58.70 to 59.70): VU037997.D (-843) (-)

Ion 87.00 (86.70 to 87.70): VU037997.D (-843) (-)





#33

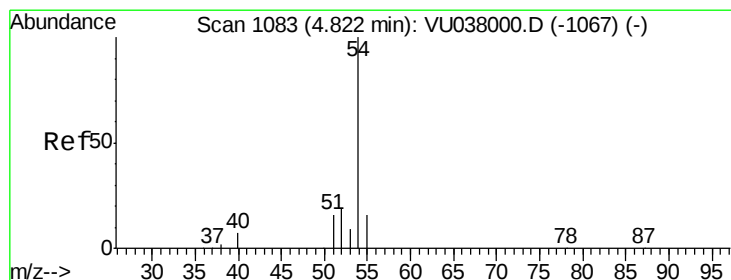
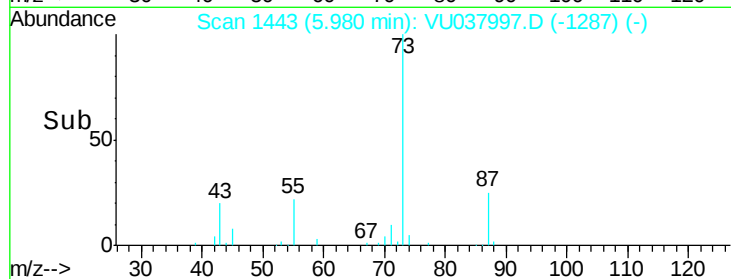
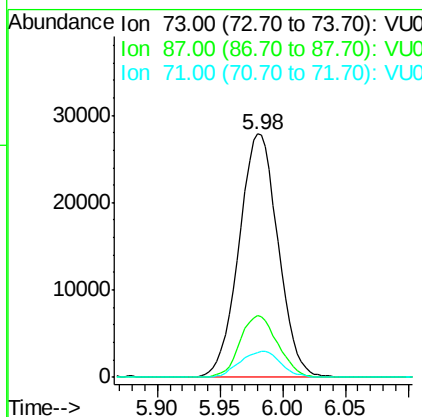
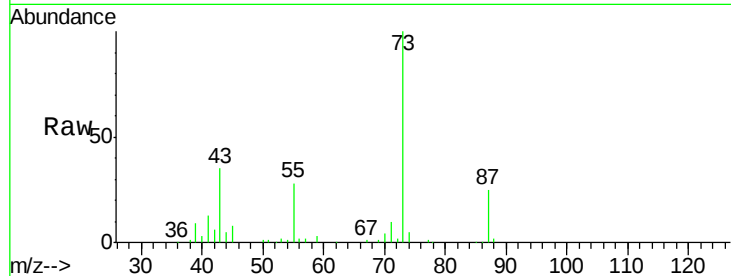
Tert-Butyl methyl ether
 Concen: 0.974 ug/l
 RT: 5.98 min Scan# 1443
 Delta R.T. 0.00 min
 Lab File: VU037997.D
 Acq: 04 May 2020 11:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
73	100		
87	24.5	18.9	28.3
71	11.1	9.1	13.7

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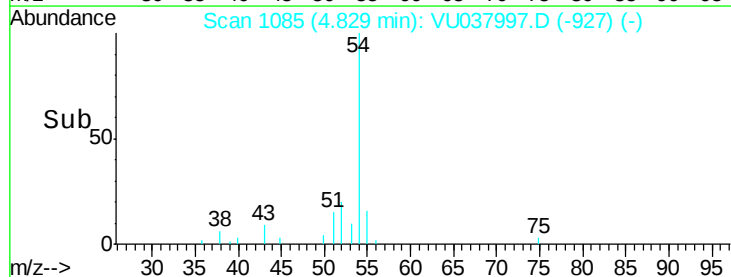
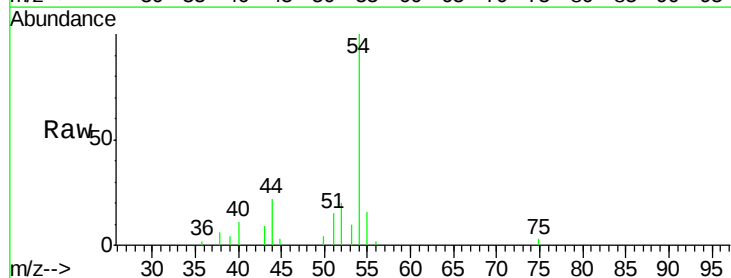
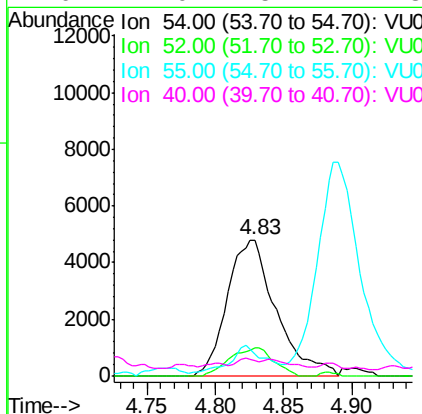
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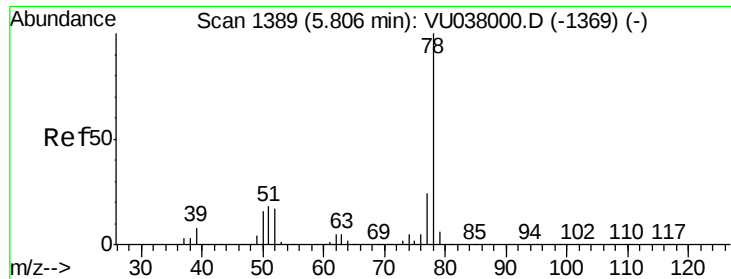


#34

Propionitrile
 Concen: 5.722 ug/l
 RT: 4.83 min Scan# 1085
 Delta R.T. 0.01 min
 Lab File: VU037997.D
 Acq: 04 May 2020 11:17

Tgt Ion	Ratio	Lower	Upper
54	100		
52	18.5	15.8	23.8
55	15.7	13.2	19.8
40	2.0	5.2	7.8#





#35

Benzene

Concen: 1.030 ug/l

RT: 5.81 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VU037997.D

Acq: 04 May 2020 11:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 78 Resp: 105643

Ion Ratio Lower Upper

78 100

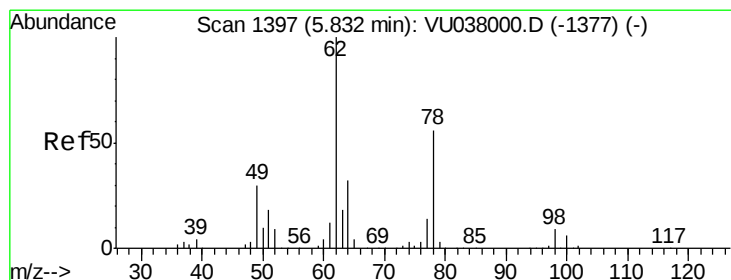
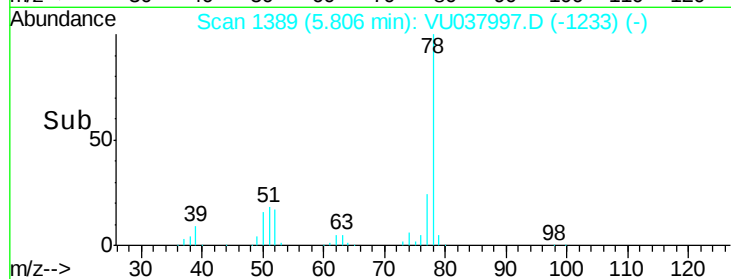
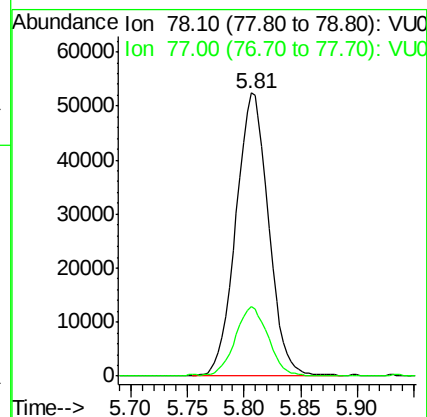
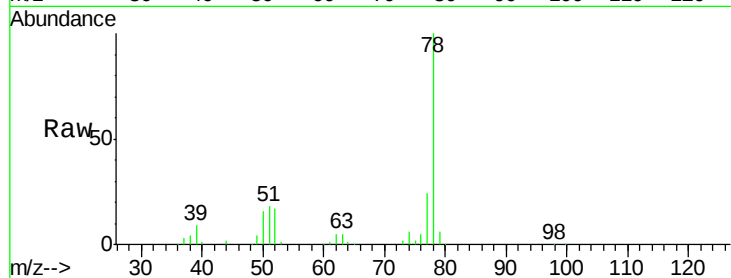
77 24.2 19.3 28.9

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#36

1,2-Dichloroethane

Concen: 0.864 ug/l

RT: 5.83 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VU037997.D

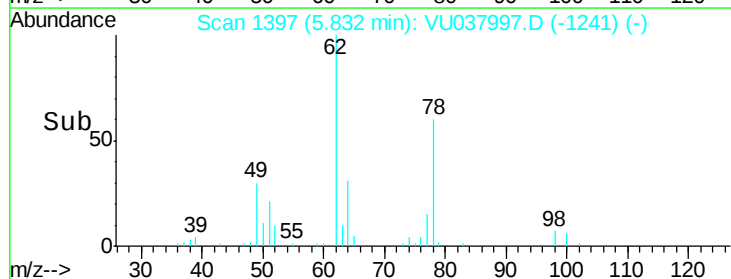
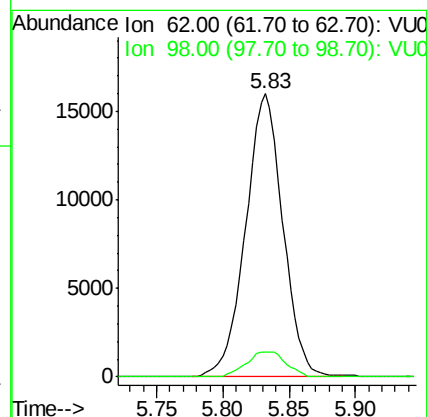
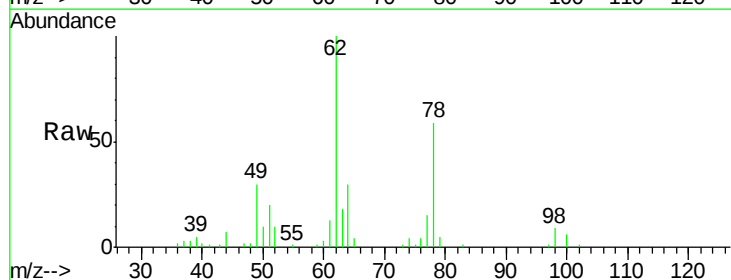
Acq: 04 May 2020 11:17

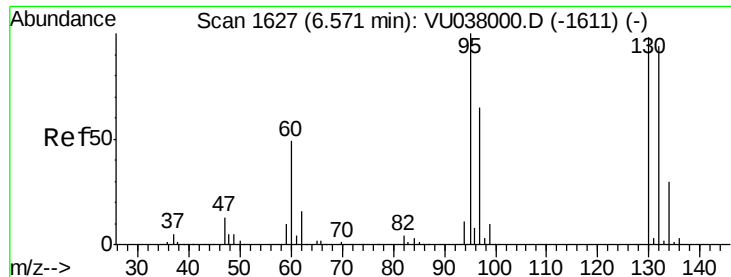
Tgt Ion: 62 Resp: 31296

Ion Ratio Lower Upper

62 100

98 9.4 7.3 10.9





#37

Trichloroethene

Concen: 1.045 ug/l

RT: 6.57 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VU037997.D

Acq: 04 May 2020 11:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:130 Resp: 28171

Ion Ratio Lower Upper

130 100

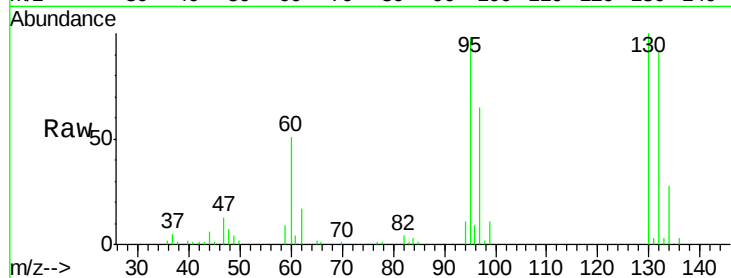
95 98.4 81.6 122.4

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Abundance Ion 129.90 (129.60 to 130.60): VU038000.D (-1611) (-)

Ion 94.90 (94.60 to 95.60): VU038000.D (-1611) (-)

6.57

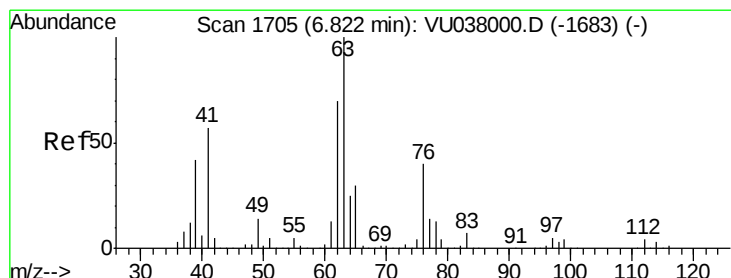
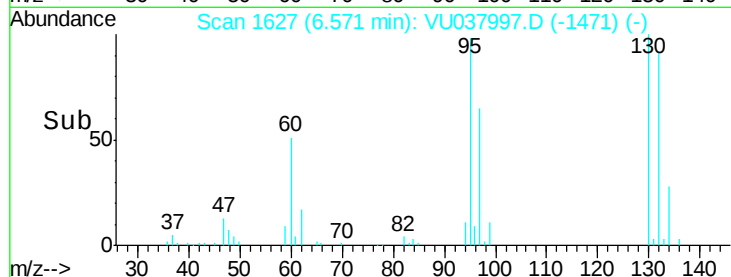
15000

10000

5000

0

Time-->



#38

1,2-Dichloropropane

Concen: 1.016 ug/l

RT: 6.82 min Scan# 1705

Delta R.T. 0.00 min

Lab File: VU037997.D

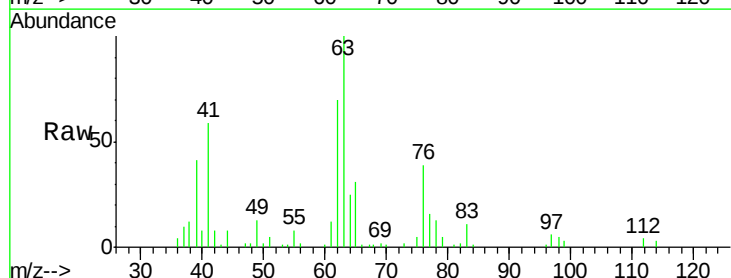
Acq: 04 May 2020 11:17

Tgt Ion: 63 Resp: 28482

Ion Ratio Lower Upper

63 100

65 31.0 24.1 36.1



Abundance Ion 63.00 (62.70 to 63.70): VU038000.D (-1683) (-)

Ion 65.00 (64.70 to 65.70): VU038000.D (-1683) (-)

6.82

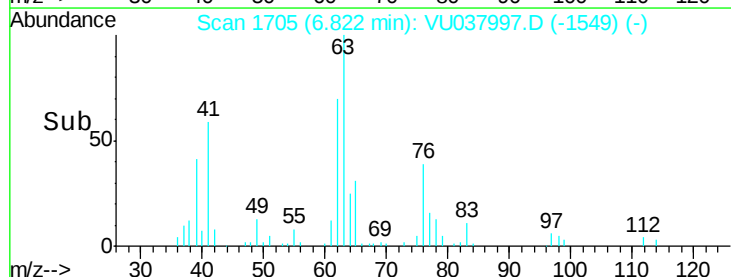
15000

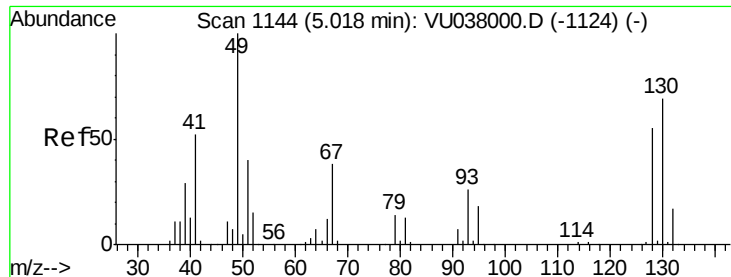
10000

5000

0

Time-->





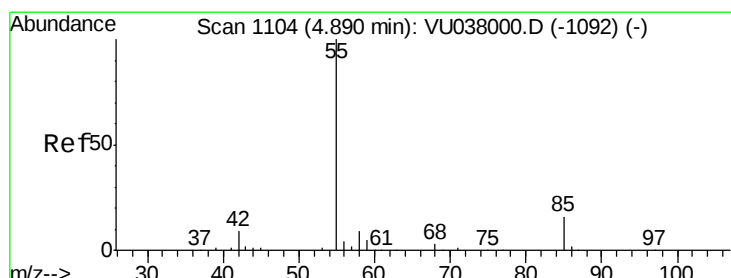
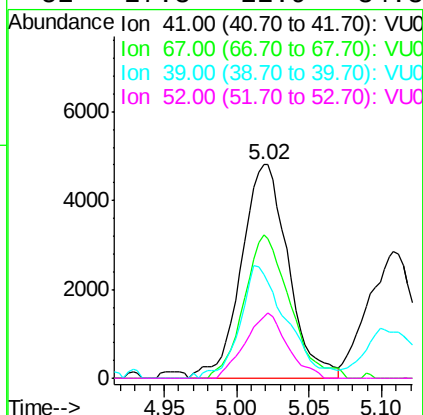
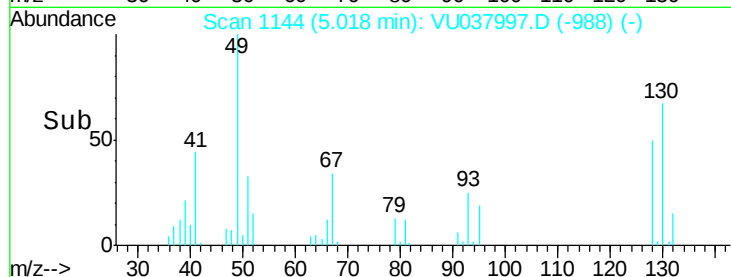
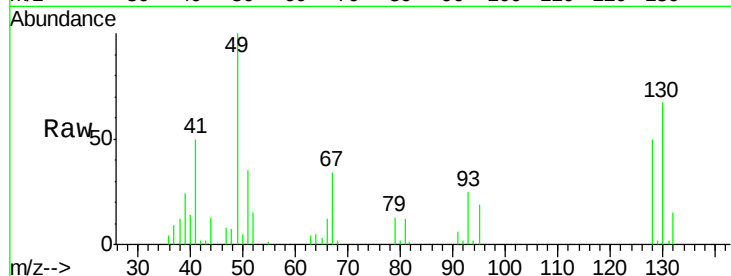
#39
Methacrylonitrile
Concen: 1.095 ug/l
RT: 5.02 min Scan# 1144
Delta R.T. 0.00 min
Lab File: VU037997.D
Acq: 04 May 2020 11:17

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion:	41	Resp:	10854
Ion	Ratio	Lower	Upper
41	100		
67	65.2	58.0	87.0
39	51.9	43.2	64.8
52	27.3	22.9	34.3

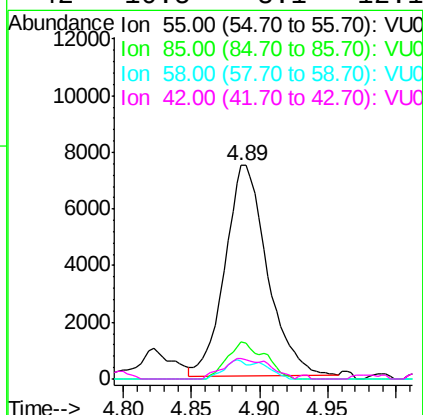
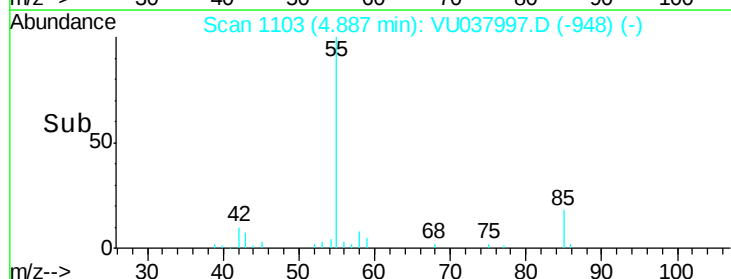
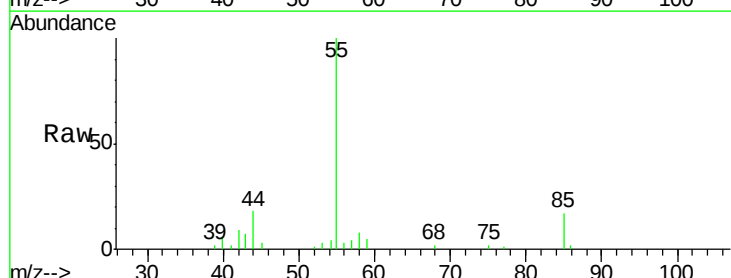
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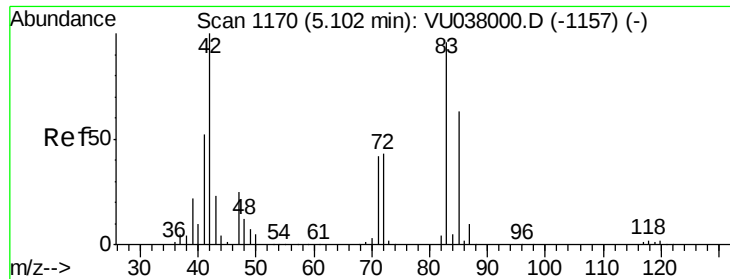
apatel
5/5/2020 11:15:38 AM



#40
Methyl acrylate
Concen: 1.141 ug/l
RT: 4.89 min Scan# 1103
Delta R.T. -0.00 min
Lab File: VU037997.D
Acq: 04 May 2020 11:17

Tgt Ion:	55	Resp:	15988
Ion	Ratio	Lower	Upper
55	100		
85	15.6	12.9	19.3
58	5.1	7.2	10.8
42	10.5	8.1	12.1





#41

Tetrahydrofuran

Concen: 2.223 ug/l

RT: 5.10 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VU037997.D

Acq: 04 May 2020 11:17

Instrument :

MSVOA_U

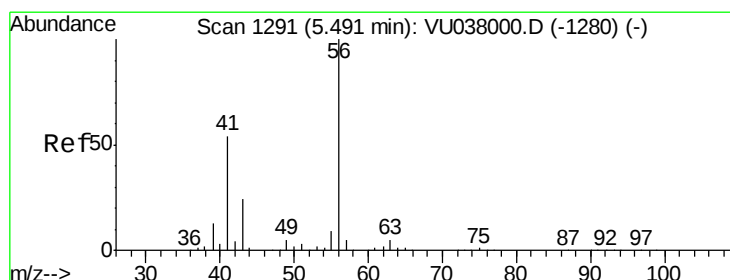
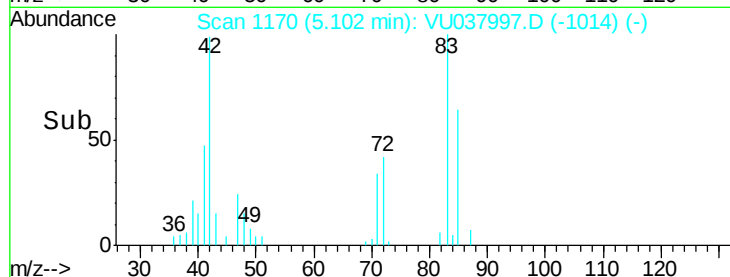
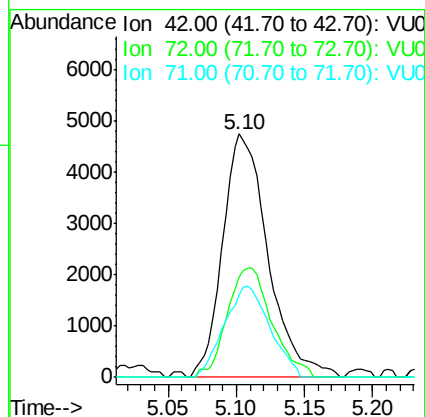
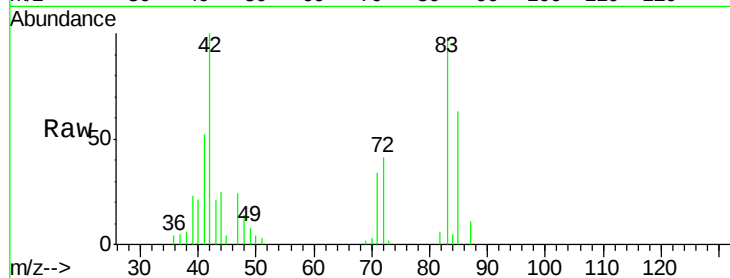
ClientSampleId :

VSTDIC001

Tot Ion:	42	Resp:	10985
Ion	Ratio	Lower	Upper
42	100		
72	44.3	37.4	56.2
71	37.4	32.8	49.2

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#42

1-Chlorobutane

Concen: 1.034 ug/l

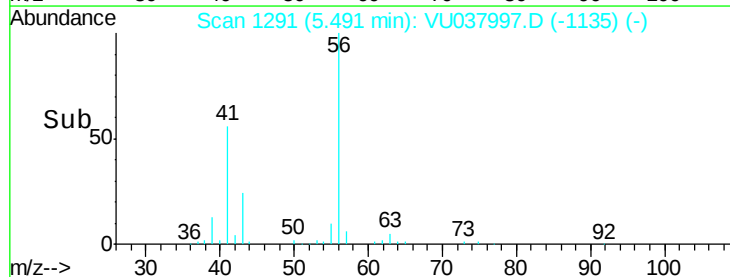
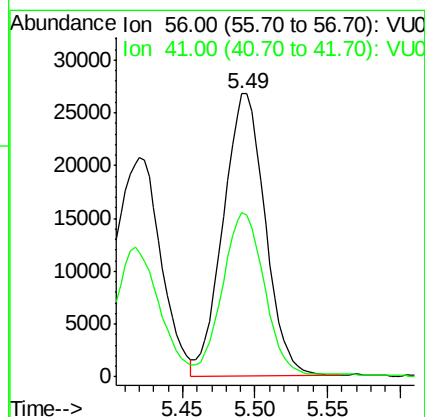
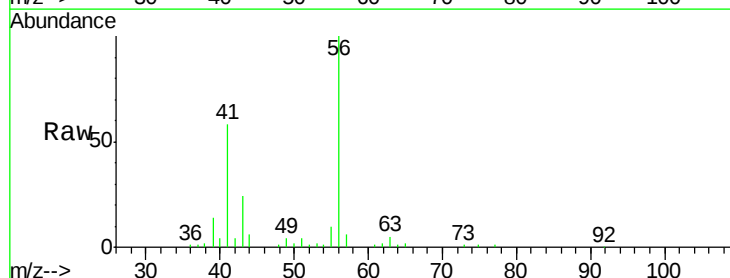
RT: 5.49 min Scan# 1291

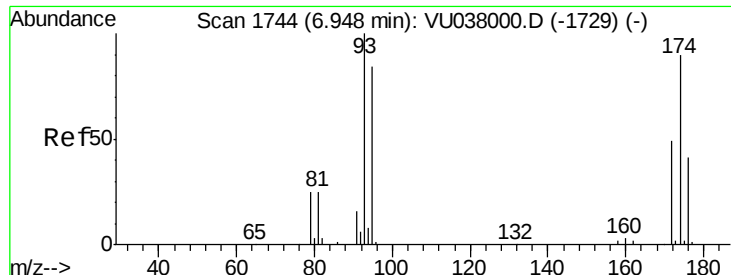
Delta R.T. 0.00 min

Lab File: VU037997.D

Acq: 04 May 2020 11:17

Tgt Ion:	56	Resp:	53741
Ion	Ratio	Lower	Upper
56	100		
41	55.9	26.8	80.4





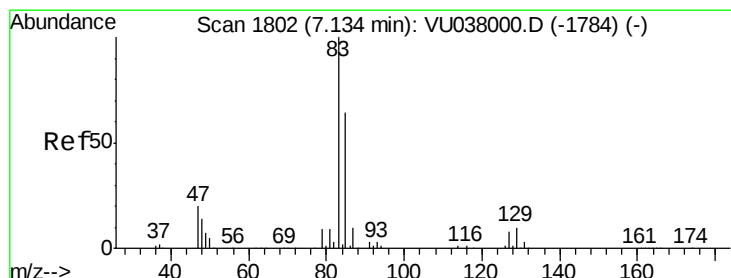
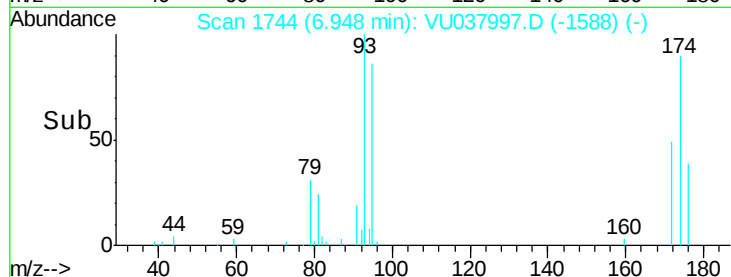
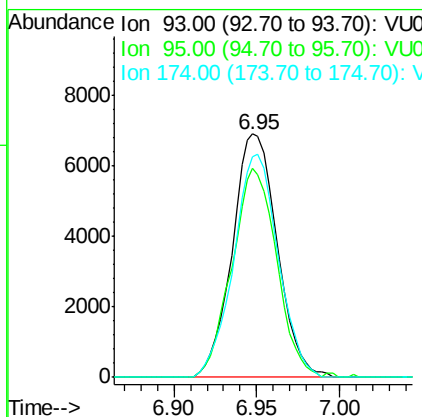
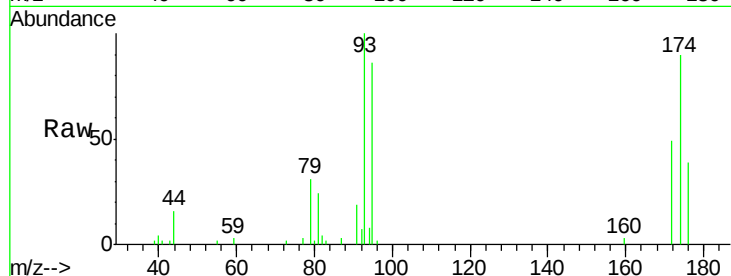
#43
 Dibromomethane
 Concen: 0.917 ug/l
 RT: 6.95 min Scan# 1744
 Delta R.T. 0.00 min
 Lab File: VU037997.D
 Acq: 04 May 2020 11:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
93	100		
95	85.3	66.1	99.1
174	90.9	72.8	109.2

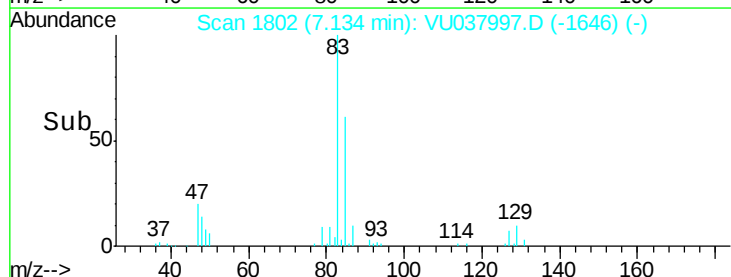
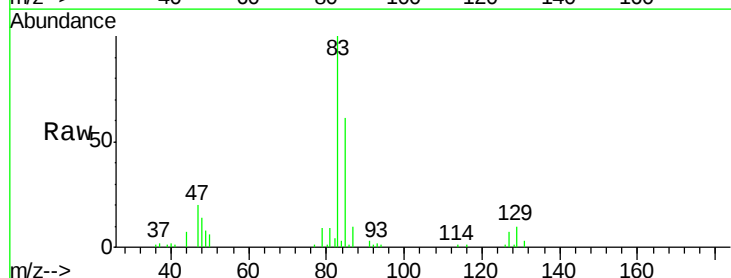
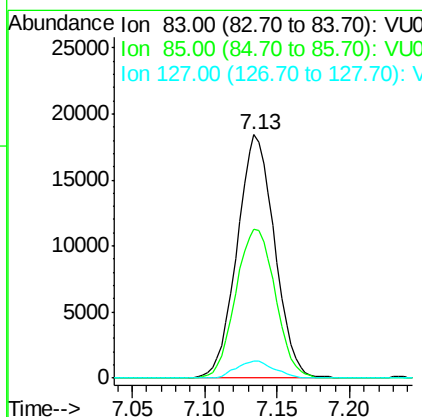
Manual Integrations
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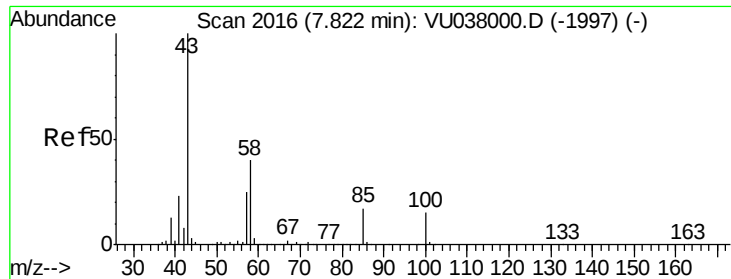
apatel
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#44
 Bromodichloromethane
 Concen: 0.904 ug/l
 RT: 7.13 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VU037997.D
 Acq: 04 May 2020 11:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.3	51.4	77.0
127	7.2	6.2	9.2





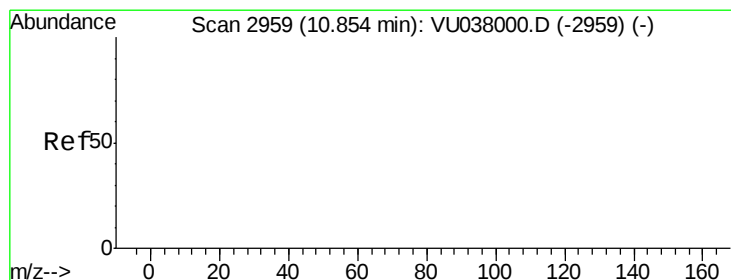
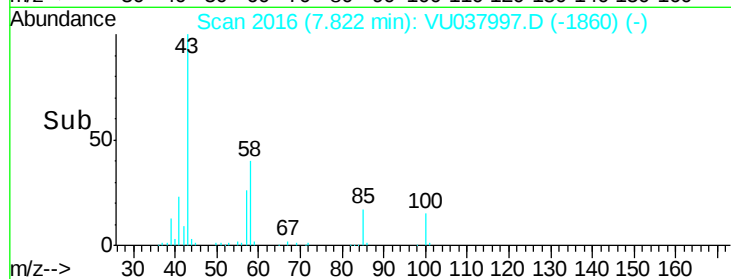
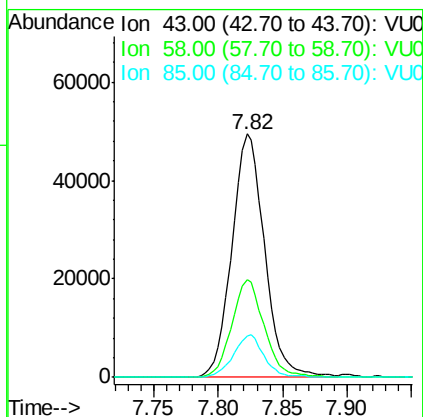
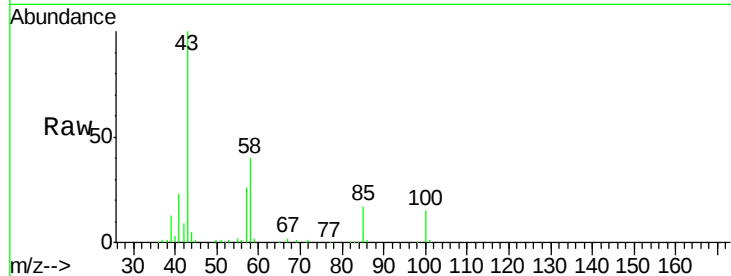
#45
4-Methyl-2-Pentanone
Concen: 4.596 ug/l
RT: 7.82 min Scan# 2016
Delta R.T. 0.00 min
Lab File: VU037997.D
Acq: 04 May 2020 11:17

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion:	43	Resp:	87500
Ion	Ratio	Lower	Upper
43	100		
58	39.7	20.1	60.3
85	16.3	13.7	20.5

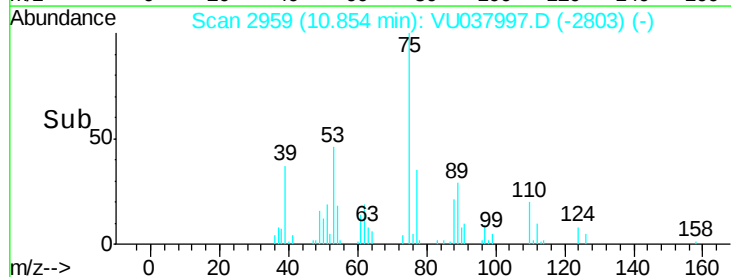
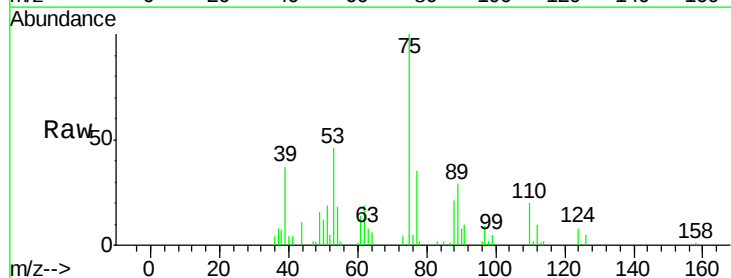
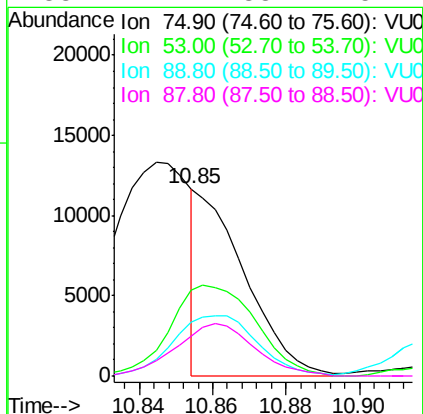
Manual Integrations
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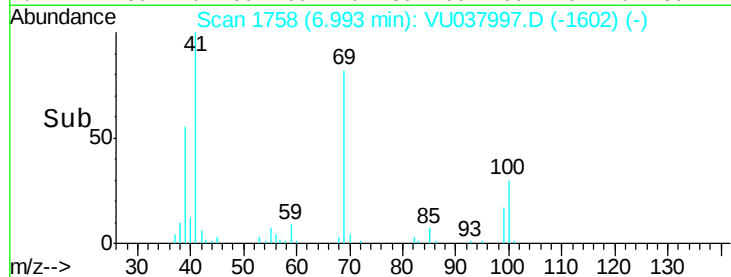
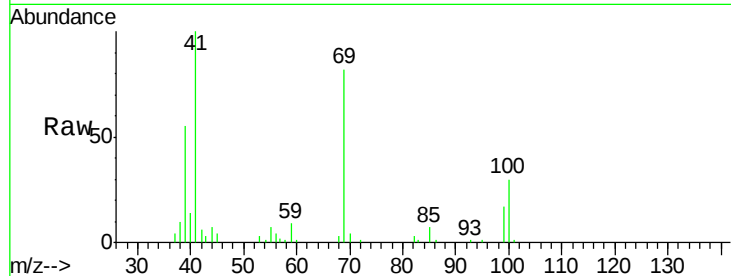
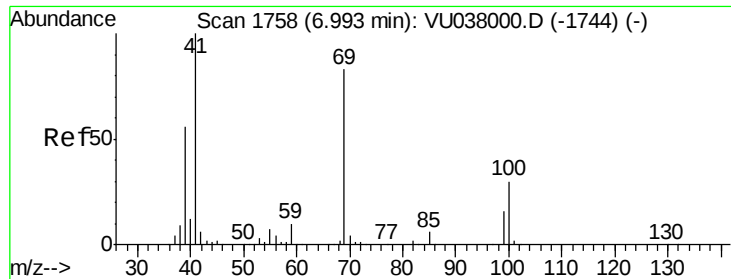
apatel
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#46
t-1,4-Dichloro-2-butene
Concen: 1.997 ug/l m
RT: 10.85 min Scan# 2959
Delta R.T. 0.00 min
Lab File: VU037997.D
Acq: 04 May 2020 11:17

Tgt Ion:	75	Resp:	10379
Ion	Ratio	Lower	Upper
75	100		
53	88.8	81.1	121.7
89	58.2	53.2	79.8
88	47.2	38.2	57.2





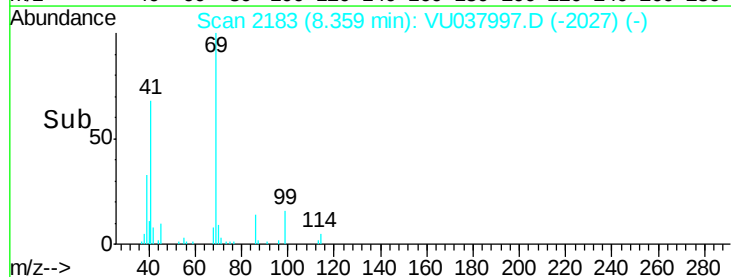
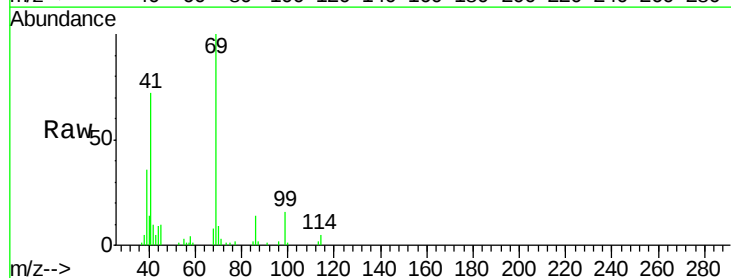
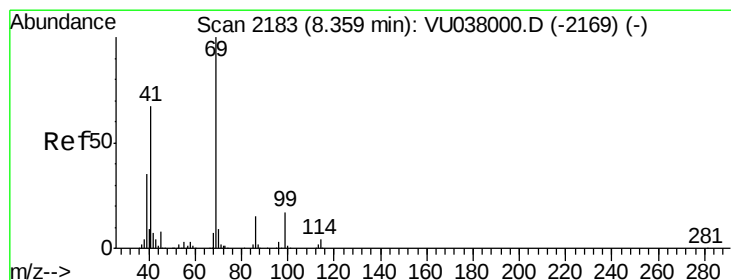
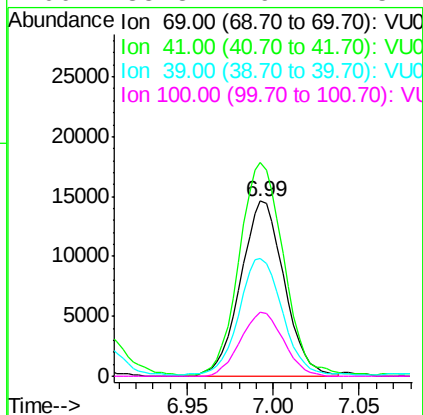
#47
Methyl methacrylate
Concen: 2.159 ug/l
RT: 6.99 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VU037997.D
Acq: 04 May 2020 11:17

Tot Ion	Ion	Ratio	Resp	Lower	Upper
69	100		25834		
41	122.4	0.0	241.6		
39	65.7	52.9	79.3		
100	35.8	29.1	43.7		

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

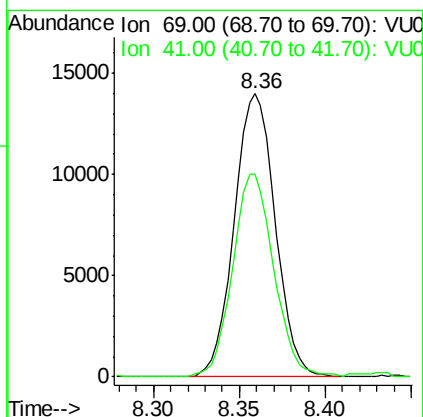
Manual Integrations
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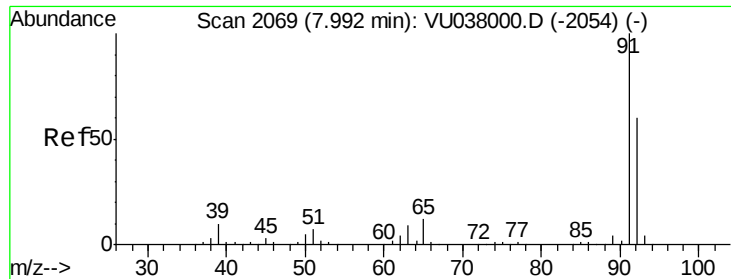
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#48
Ethyl methacrylate
Concen: 0.984 ug/l
RT: 8.36 min Scan# 2183
Delta R.T. 0.00 min
Lab File: VU037997.D
Acq: 04 May 2020 11:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		23206		
41	72.0	33.6	100.8		





#49

Toluene

Concen: 1.073 ug/l

RT: 7.99 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VU037997.D

Acq: 04 May 2020 11:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 92 Resp: 66343

Ion Ratio Lower Upper

92 100

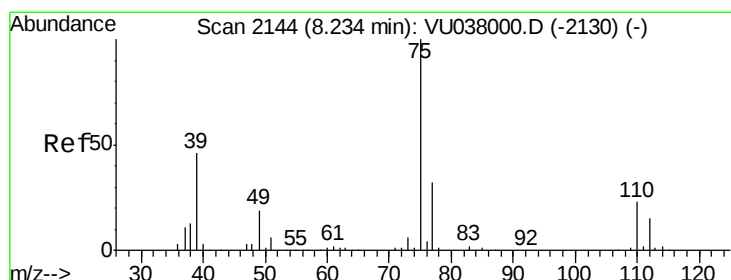
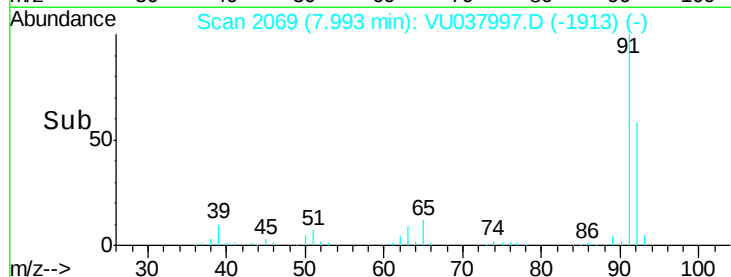
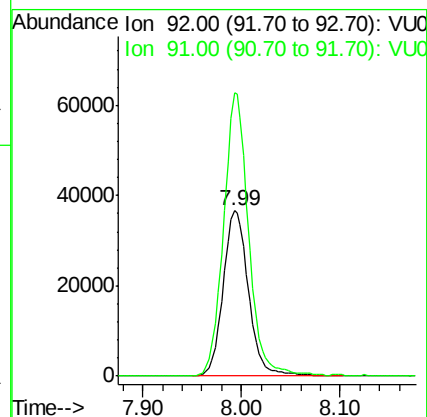
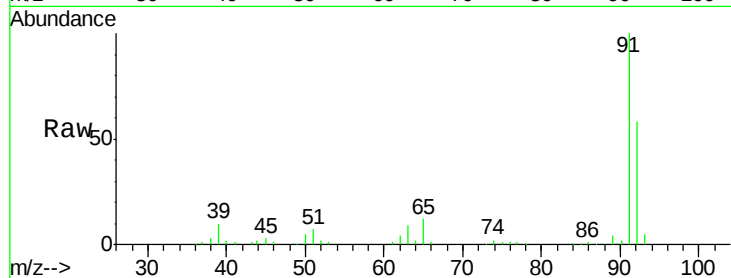
91 168.6 134.4 201.6

Manual Integrations

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#50

t-1,3-Dichloropropene

Concen: 0.966 ug/l

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU037997.D

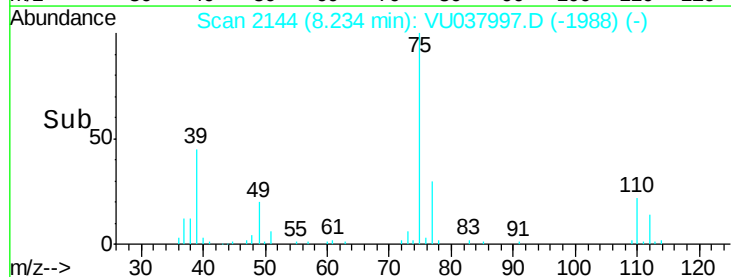
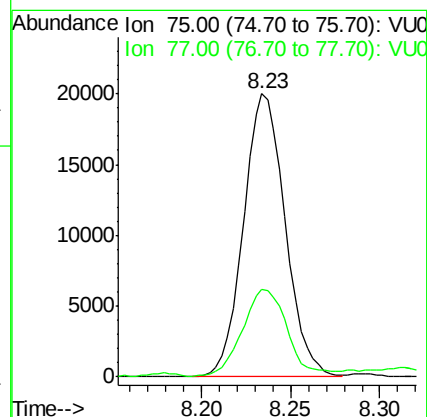
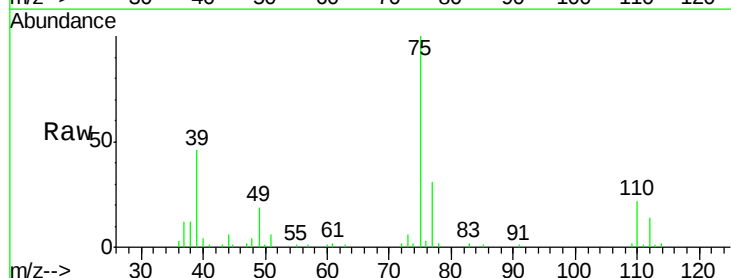
Acq: 04 May 2020 11:17

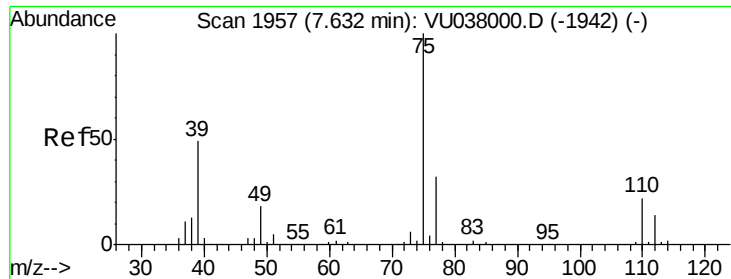
Tgt Ion: 75 Resp: 32519

Ion Ratio Lower Upper

75 100

77 31.0 25.8 38.8





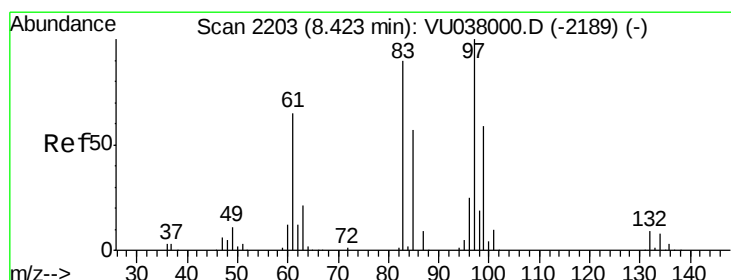
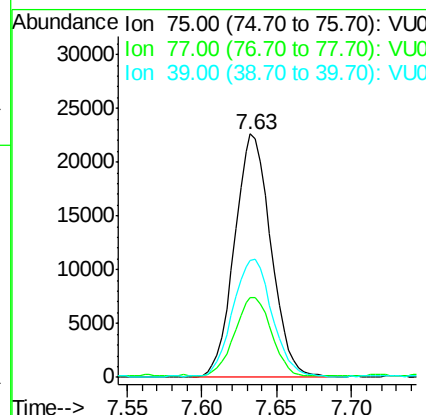
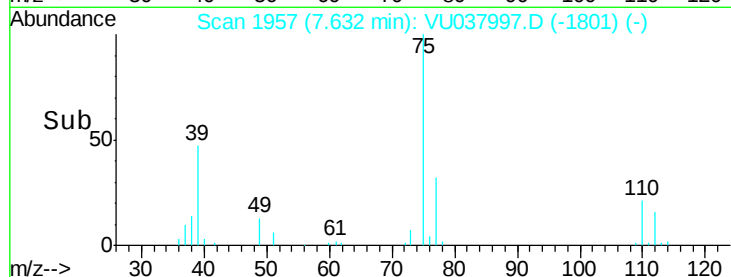
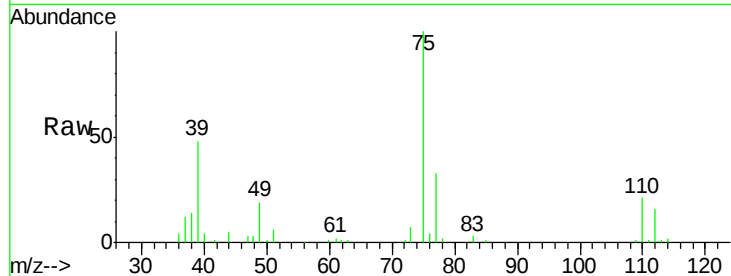
#51
 cis-1,3-Dichloropropene
 Concen: 0.989 ug/l
 RT: 7.63 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VU037997.D
 Acq: 04 May 2020 11:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.5	38.3
39	48.0	39.0	58.4

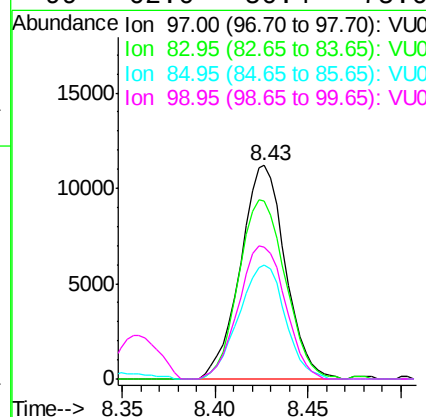
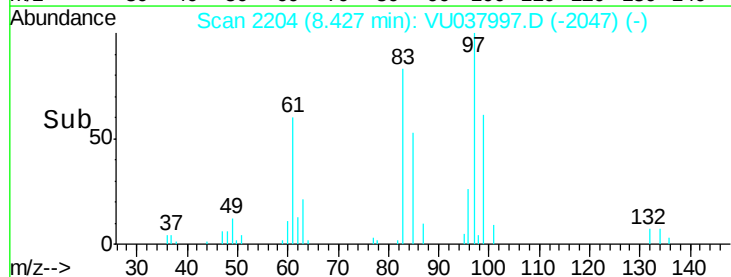
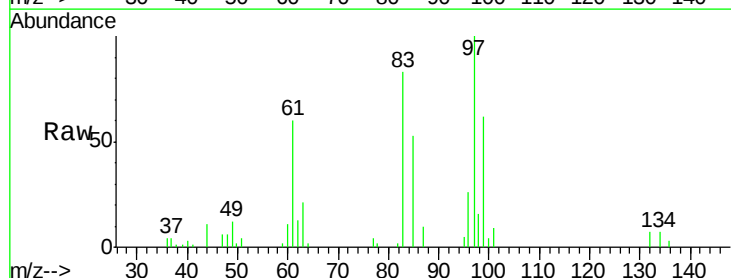
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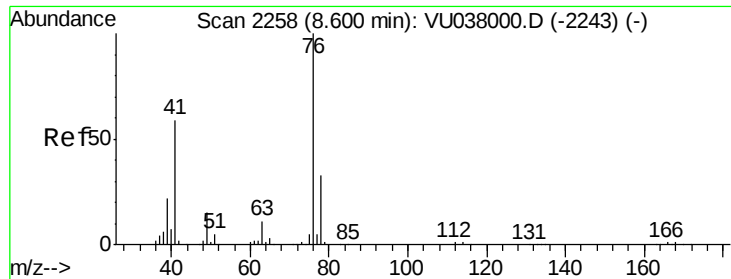
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#52
 1,1,2-Trichloroethane
 Concen: 0.991 ug/l
 RT: 8.43 min Scan# 2204
 Delta R.T. 0.00 min
 Lab File: VU037997.D
 Acq: 04 May 2020 11:17

Tgt Ion	Ratio	Lower	Upper
97	100		
83	83.1	72.4	108.6
85	53.5	46.0	69.0
99	62.0	50.4	75.6





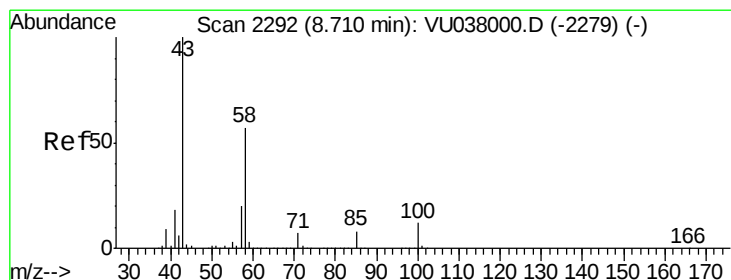
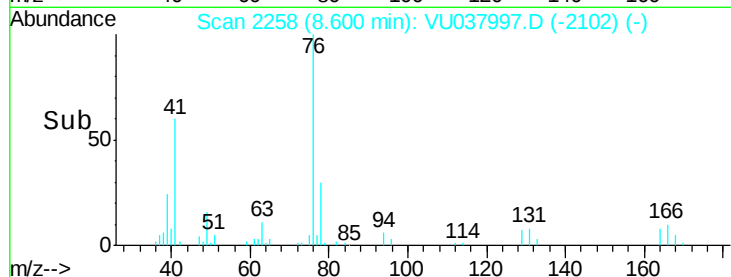
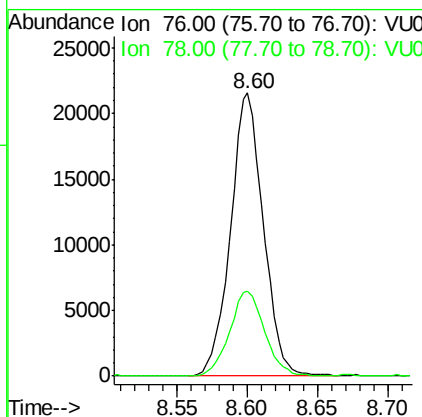
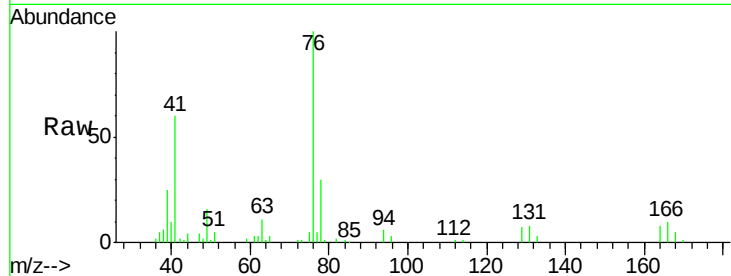
#53
 1,3-Dichloropropane
 Concen: 1.028 ug/l
 RT: 8.60 min Scan# 2258
 Delta R.T. 0.00 min
 Lab File: VU037997.D
 Acq: 04 May 2020 11:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.8	38.6

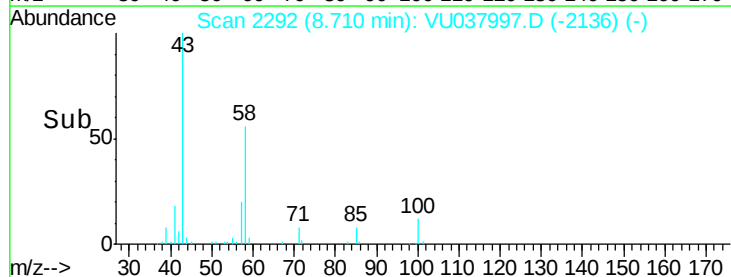
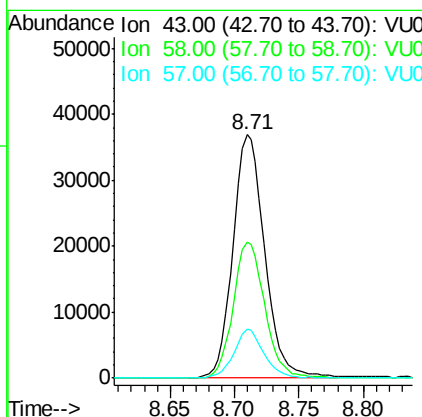
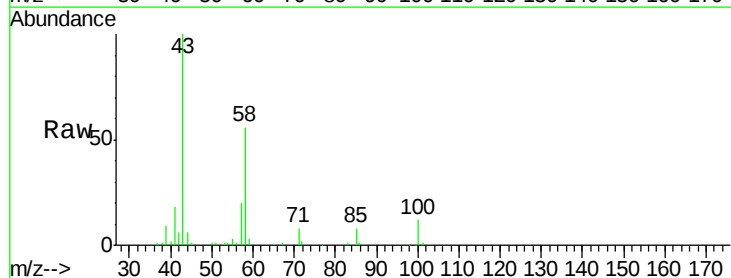
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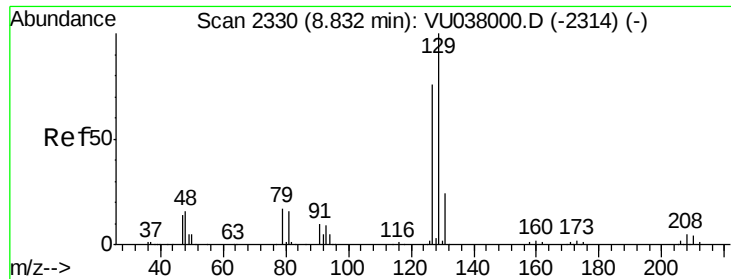
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#54
 2-Hexanone
 Concen: 4.845 ug/l
 RT: 8.71 min Scan# 2292
 Delta R.T. 0.00 min
 Lab File: VU037997.D
 Acq: 04 May 2020 11:17

Tgt Ion	Ratio	Lower	Upper
43	100		
58	55.5	36.5	76.5
57	18.9	0.0	39.5





#55

Dibromochloromethane

Concen: 0.902 ug/l

RT: 8.83 min Scan# 2330

Delta R.T. 0.00 min

Lab File: VU037997.D

Acq: 04 May 2020 11:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:129 Resp: 20921

Ion Ratio Lower Upper

129 100

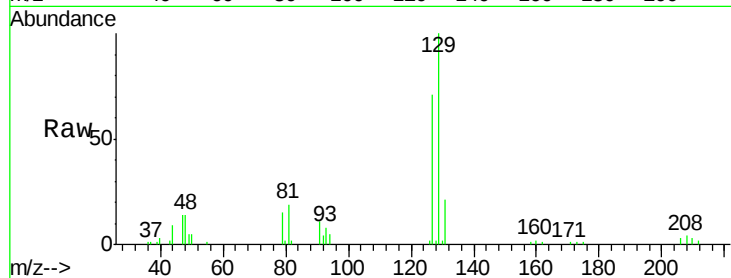
127 71.6 62.2 93.2

Manual Integrations

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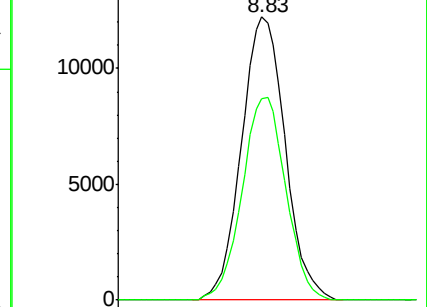
apatel

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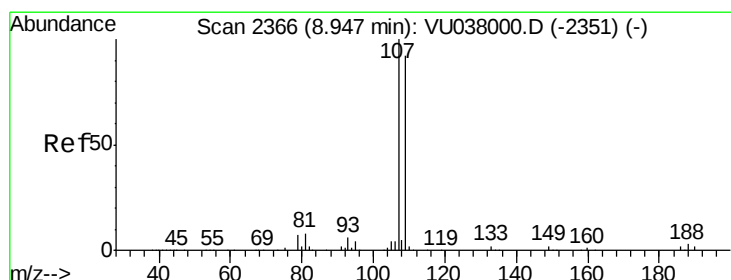
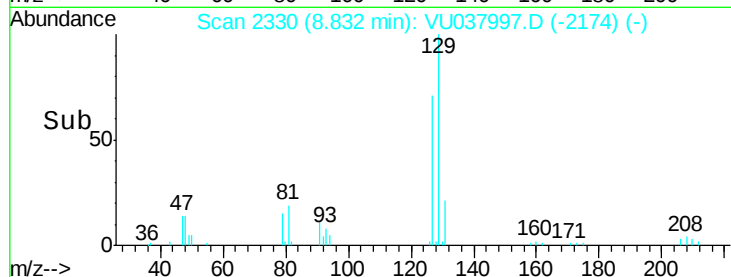


Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



Time-->



#56

1,2-Dibromoethane

Concen: 0.973 ug/l

RT: 8.95 min Scan# 2366

Delta R.T. 0.00 min

Lab File: VU037997.D

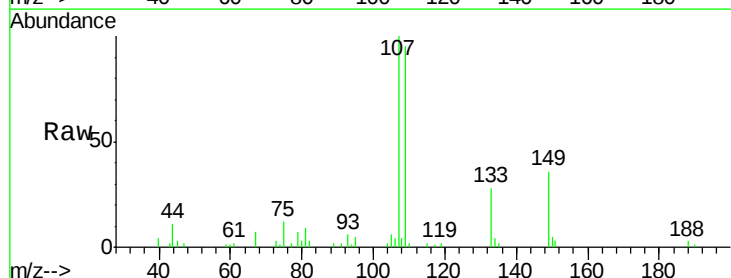
Acq: 04 May 2020 11:17

Tgt Ion:107 Resp: 17362

Ion Ratio Lower Upper

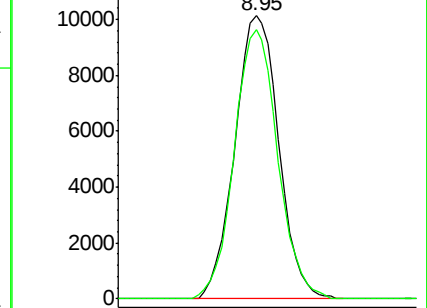
107 100

109 94.2 0.0 184.6

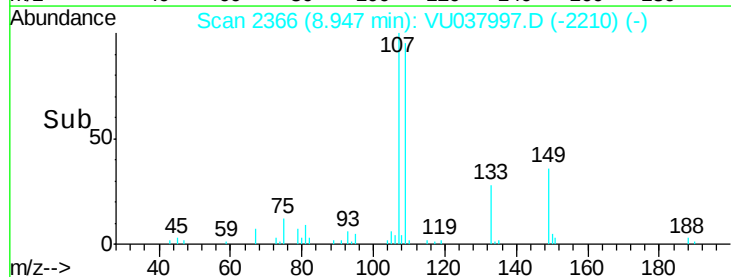


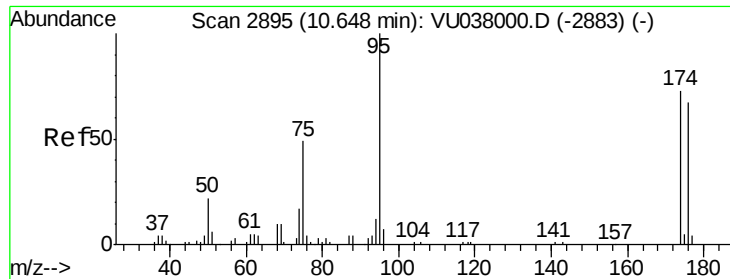
Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



Time-->





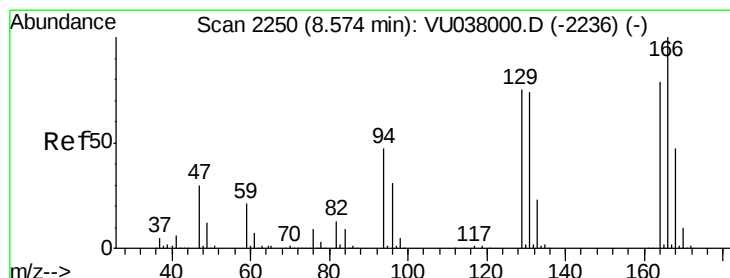
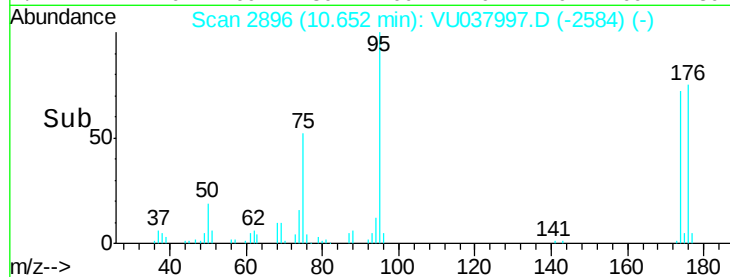
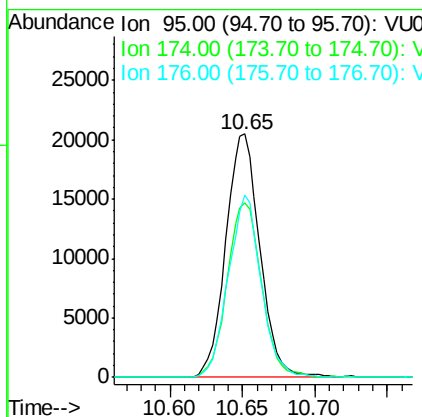
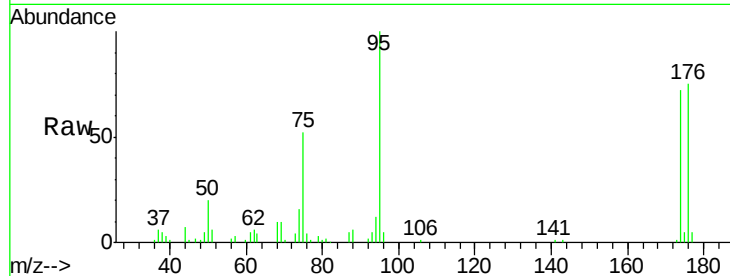
#57
 4-Bromofluorobenzene
 Concen: 1.011 ug/l
 RT: 10.65 min Scan# 2896
 Delta R.T. 0.00 min
 Lab File: VU037997.D
 Acq: 04 May 2020 11:17

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
95	100	33432		
174	72.3	61.2	91.8	
176	71.7	57.1	85.7	

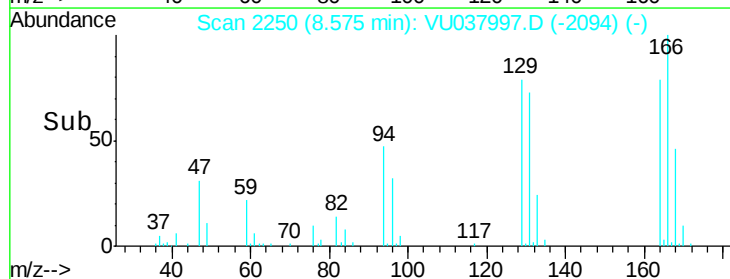
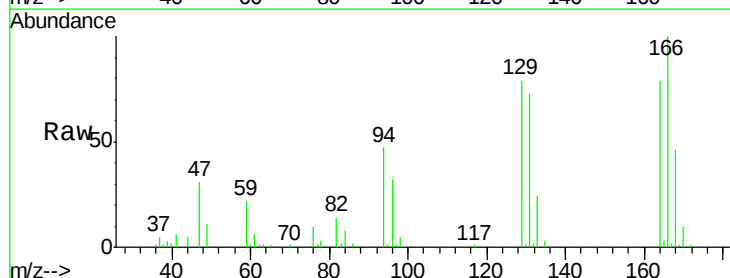
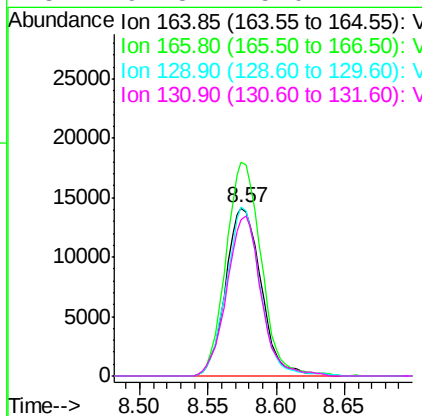
Manual Integrations
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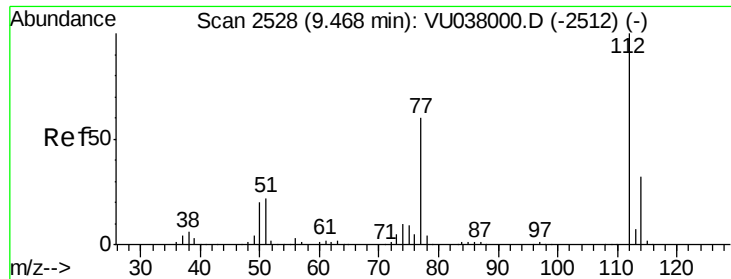
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#58
 Tetrachloroethene
 Concen: 1.010 ug/l
 RT: 8.57 min Scan# 2250
 Delta R.T. 0.00 min
 Lab File: VU037997.D
 Acq: 04 May 2020 11:17

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	25575		
166	127.1	101.5	152.3	
129	100.6	76.6	114.8	
131	92.8	75.0	112.4	





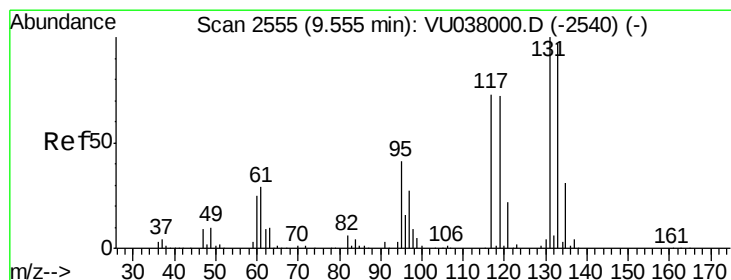
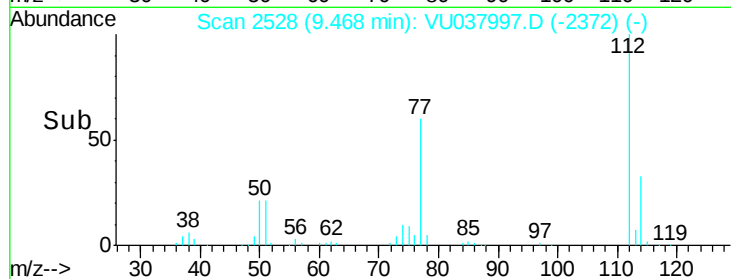
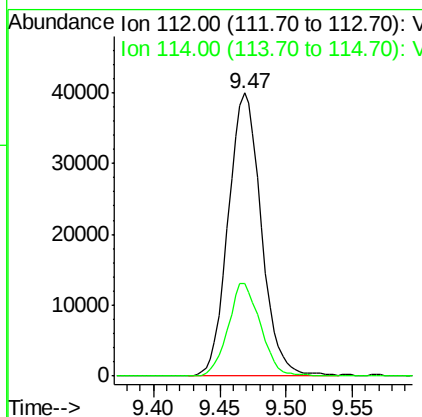
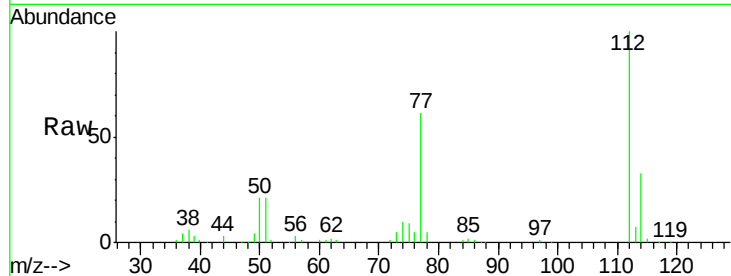
#59
Chlorobenzene
Concen: 1.005 ug/l
RT: 9.47 min Scan# 2528
Delta R.T. 0.00 min
Lab File: VU037997.D
Acq: 04 May 2020 11:17

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion:112 Resp: 69333
Ion Ratio Lower Upper
112 100
114 32.6 25.7 38.5

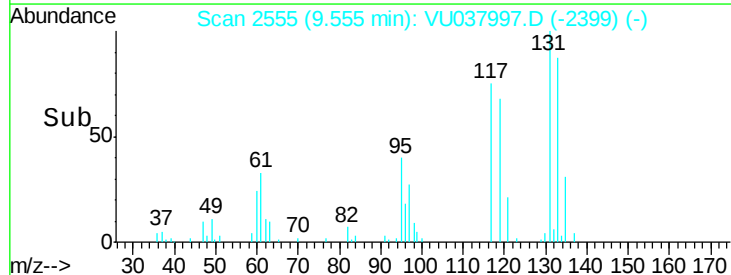
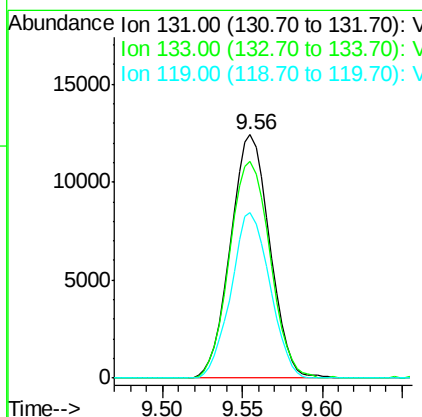
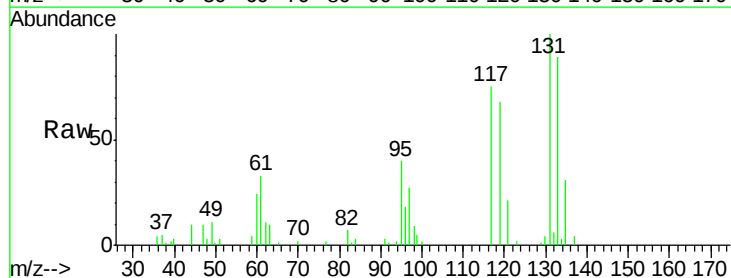
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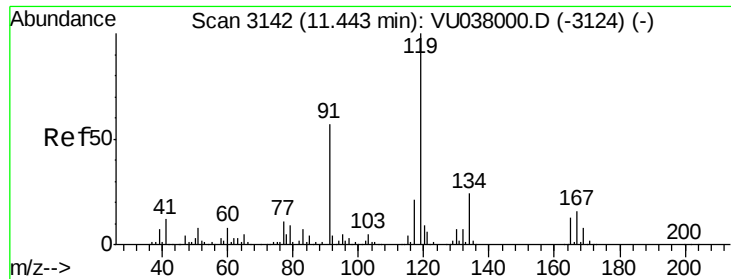
apatel
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#60
1,1,1,2-Tetrachloroethane
Concen: 0.847 ug/l
RT: 9.56 min Scan# 2555
Delta R.T. 0.00 min
Lab File: VU037997.D
Acq: 04 May 2020 11:17

Tgt Ion:131 Resp: 20763
Ion Ratio Lower Upper
131 100
133 92.1 76.8 115.2
119 67.0 56.7 85.1





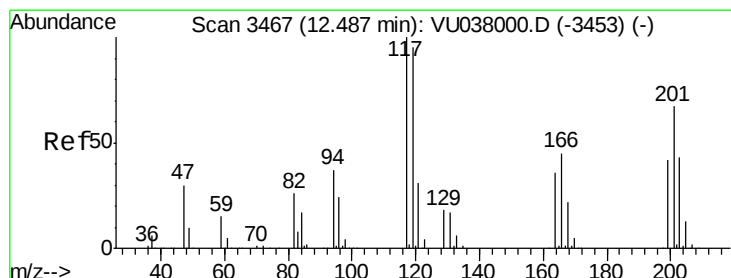
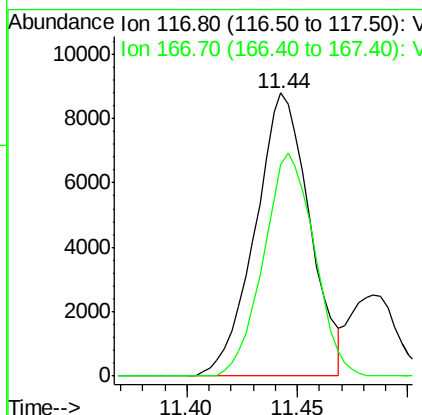
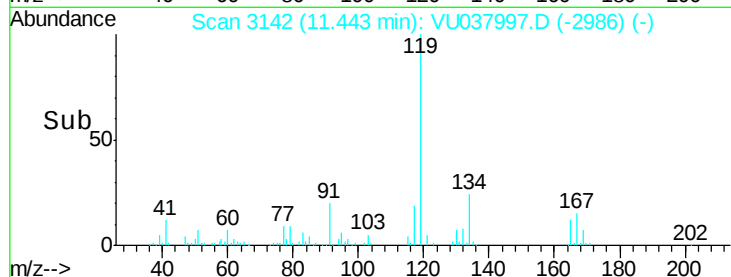
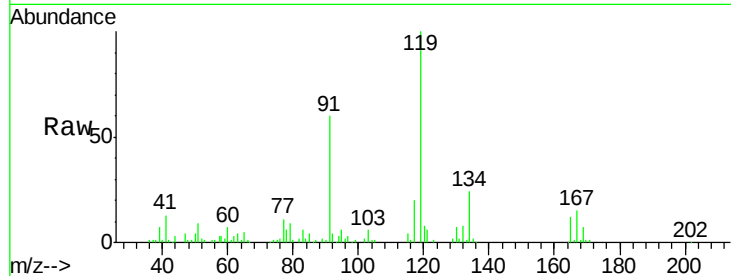
#61
 Pentachloroethane
 Concen: 0.804 ug/l
 RT: 11.44 min Scan# 3142
 Delta R.T. 0.00 min
 Lab File: VU037997.D
 Acq: 04 May 2020 11:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
167	73.3	60.3	90.5

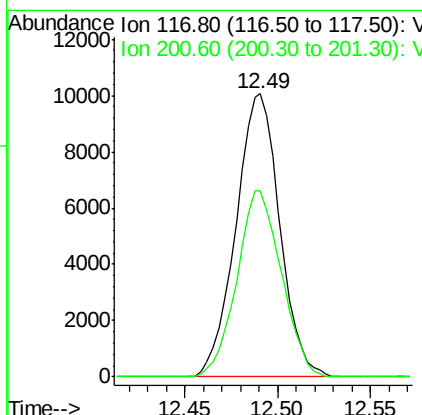
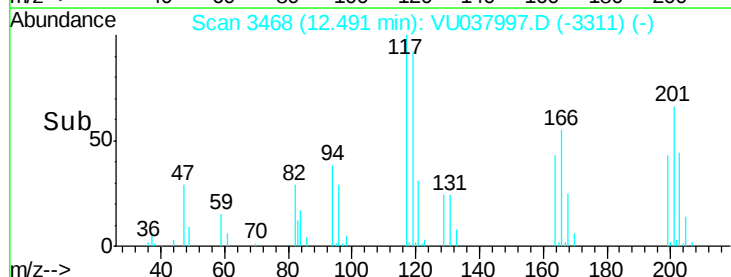
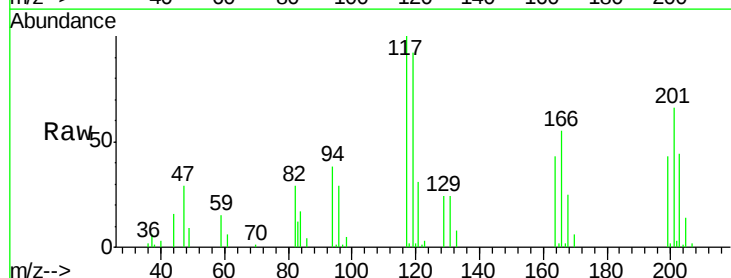
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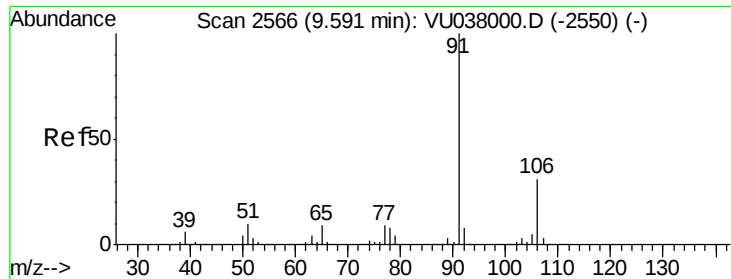
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#62
 Hexachloroethane
 Concen: 0.834 ug/l
 RT: 12.49 min Scan# 3468
 Delta R.T. 0.00 min
 Lab File: VU037997.D
 Acq: 04 May 2020 11:17

Tgt Ion	Ratio	Lower	Upper
117	100		
201	66.8	54.7	82.1





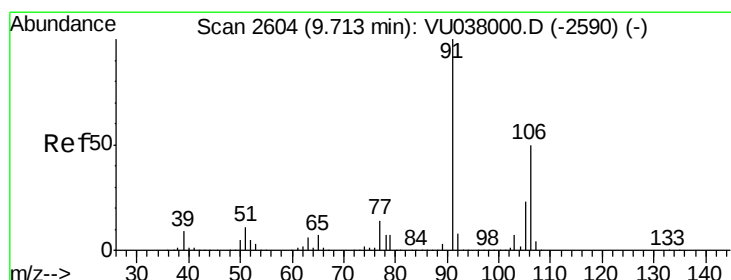
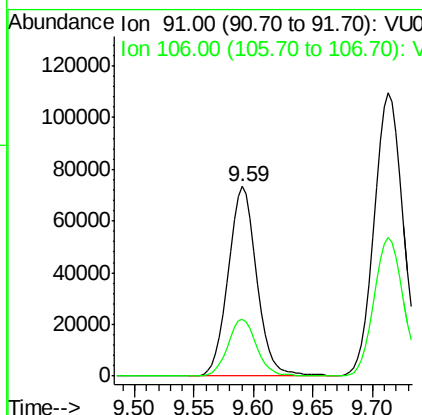
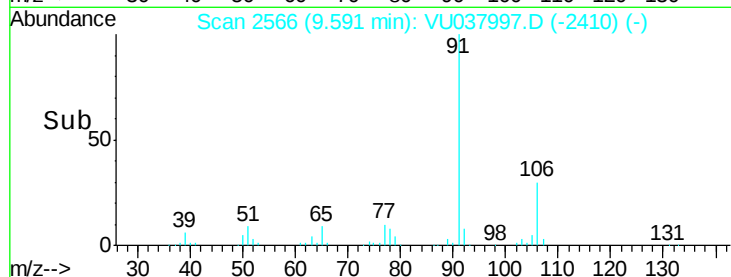
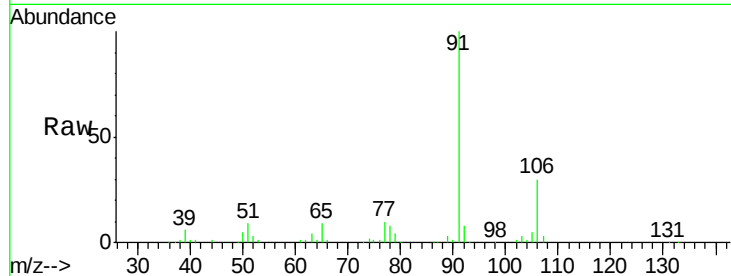
#63
Ethyl Benzene
Concen: 1.039 ug/l
RT: 9.59 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VU037997.D
Acq: 04 May 2020 11:17

Instrument :
MSVOA_U
ClientSampled :
VSTDIC001

Tot Ion: 91 Resp: 122279
Ion Ratio Lower Upper
91 100
106 30.2 24.9 37.3

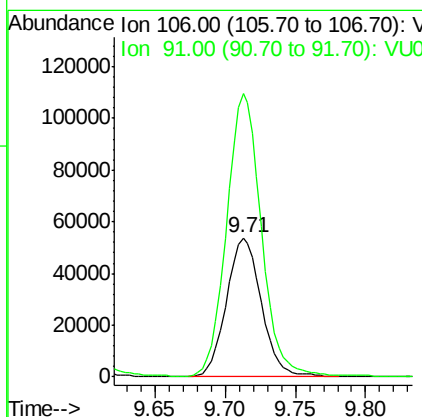
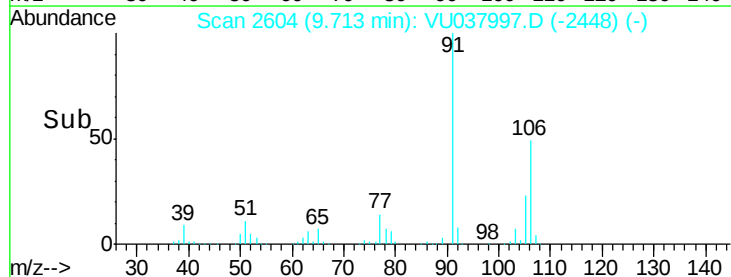
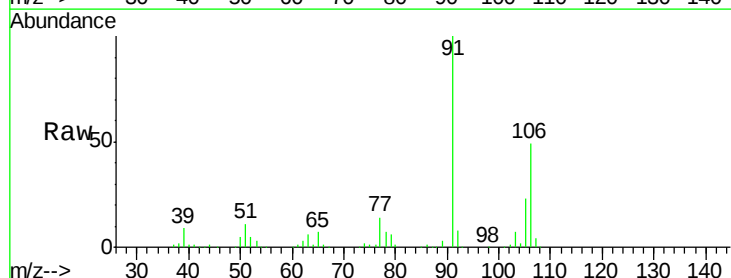
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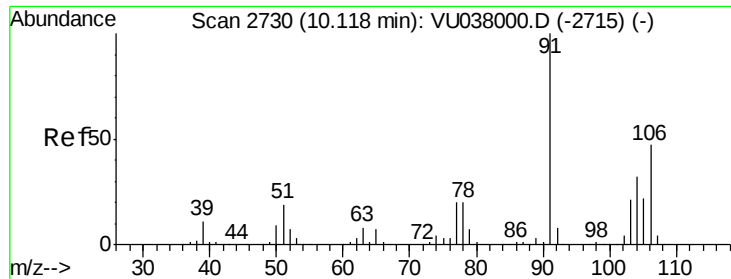
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#64
m/p-Xylenes
Concen: 2.075 ug/l
RT: 9.71 min Scan# 2604
Delta R.T. 0.00 min
Lab File: VU037997.D
Acq: 04 May 2020 11:17

Tgt Ion: 106 Resp: 92484
Ion Ratio Lower Upper
106 100
91 203.3 159.5 239.3





#65

o-Xylene

Concen: 1.062 ug/l

RT: 10.12 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VU037997.D

Acq: 04 May 2020 11:17

Instrument :

MSVOA_U

ClientSampled :

VSTDIC001

Tot Ion:106 Resp: 45767

Ion Ratio Lower Upper

106 100

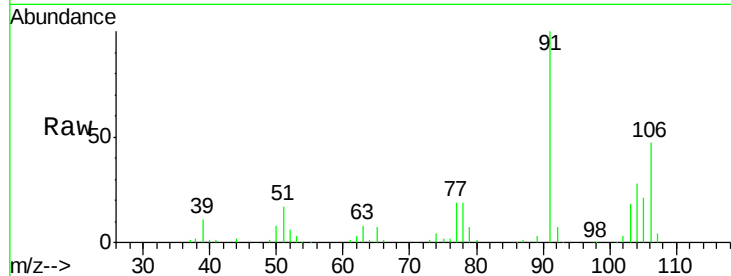
91 210.3 105.7 317.0

Manual Integrations

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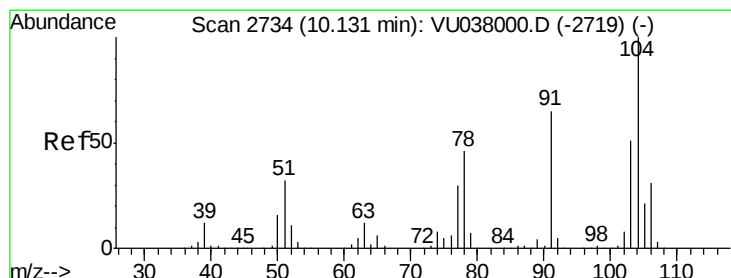
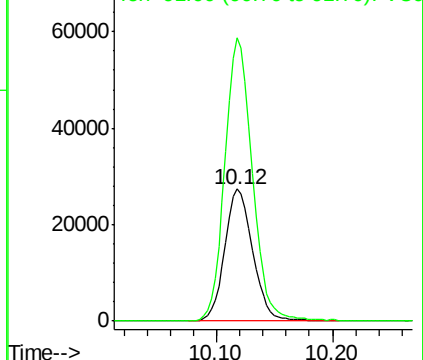
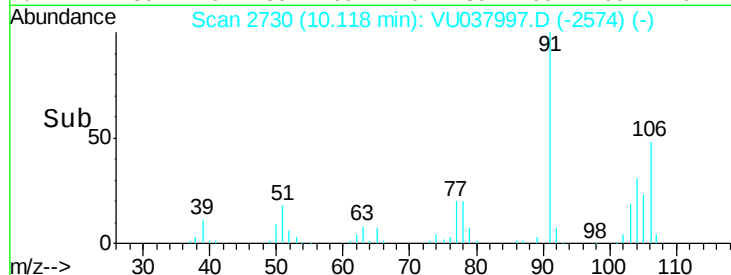
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#66

Styrene

Concen: 1.061 ug/l

RT: 10.13 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VU037997.D

Acq: 04 May 2020 11:17

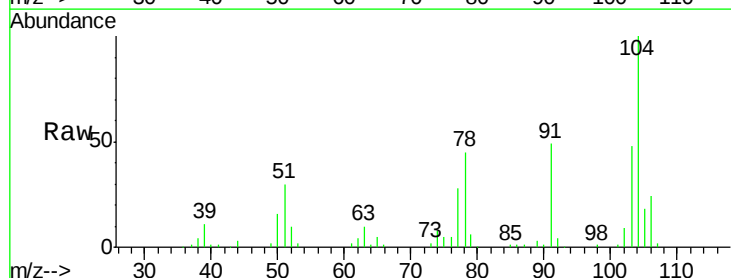
Tgt Ion:104 Resp: 74717

Ion Ratio Lower Upper

104 100

78 51.6 39.9 59.9

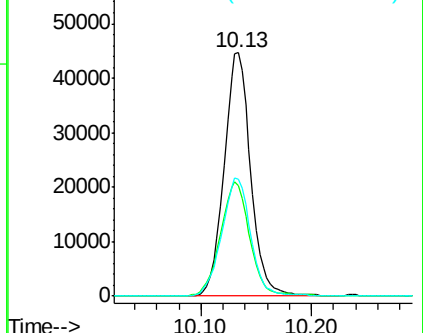
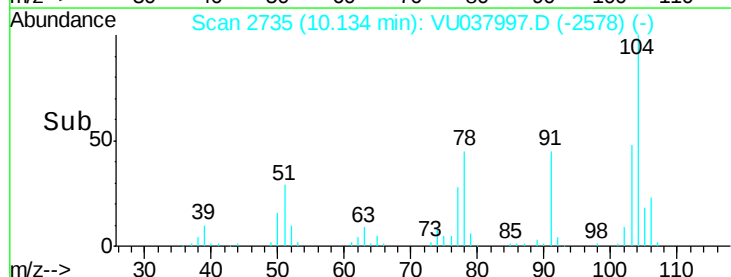
103 52.6 43.4 65.2

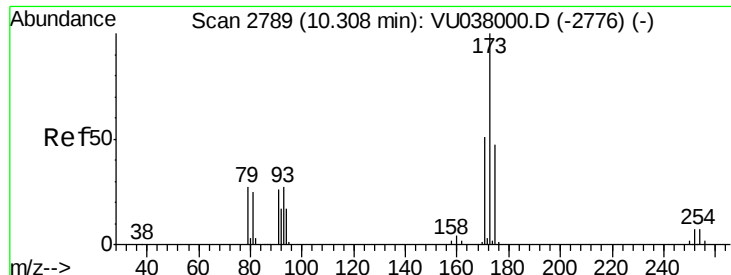


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): V





#67

Bromoform

Concen: 0.837 ug/l

RT: 10.31 min Scan# 2790

Delta R.T. 0.00 min

Lab File: VU037997.D

Acq: 04 May 2020 11:17

Instrument :

MSVOA_U

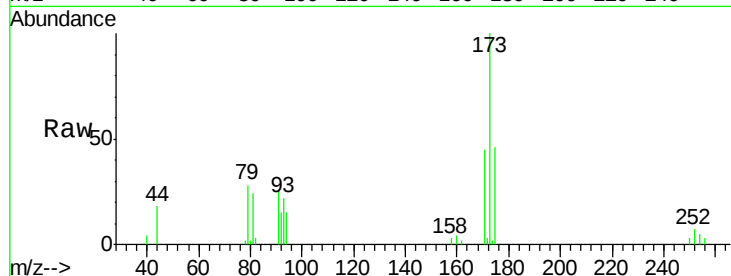
ClientSampleId :

VSTDIC001

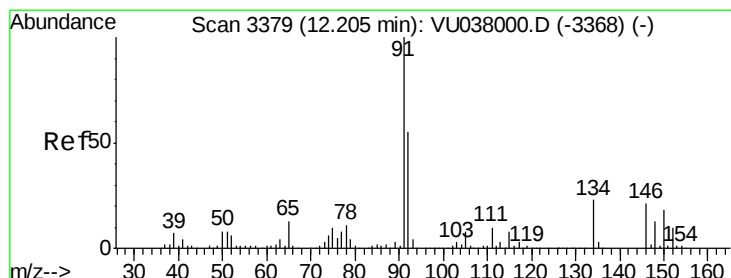
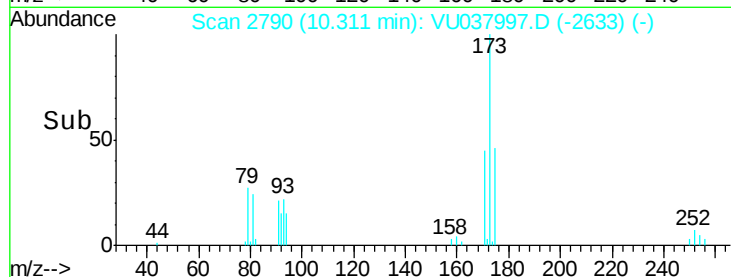
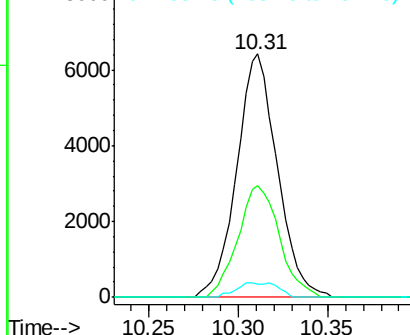
Tot Ion:173	Resp:	10190
Ion Ratio	Lower	Upper
173	100	
175	46.9	37.6 56.4
254	6.1	5.5 8.3

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



#68

1,2-Dichlorobenzene-d4

Concen: 0.959 ug/l

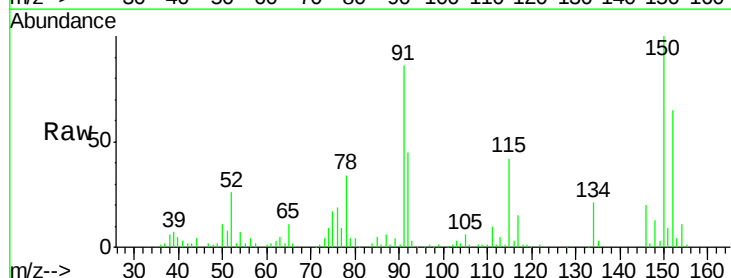
RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

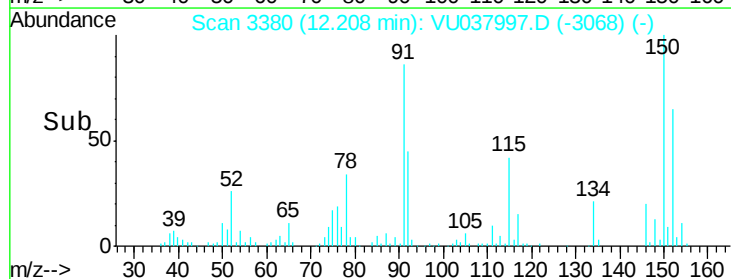
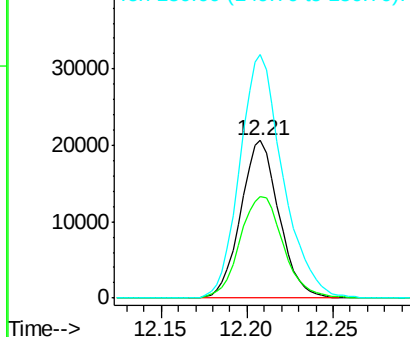
Lab File: VU037997.D

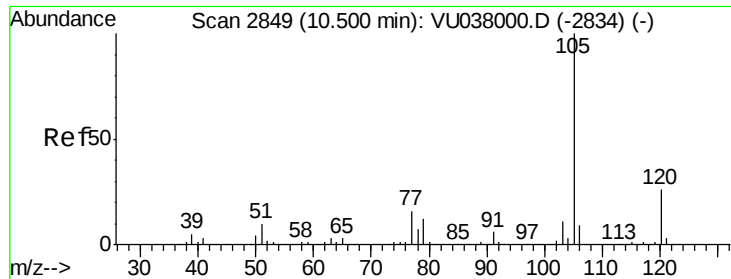
Acq: 04 May 2020 11:17

Tgt Ion:152	Resp:	31845
Ion Ratio	Lower	Upper
152	100	
115	73.3	0.0 261.0
150	174.0	0.0 650.2



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





#69

Isopropylbenzene

Concen: 1.017 ug/l

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU037997.D

Acq: 04 May 2020 11:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 119053

Ion Ratio Lower Upper

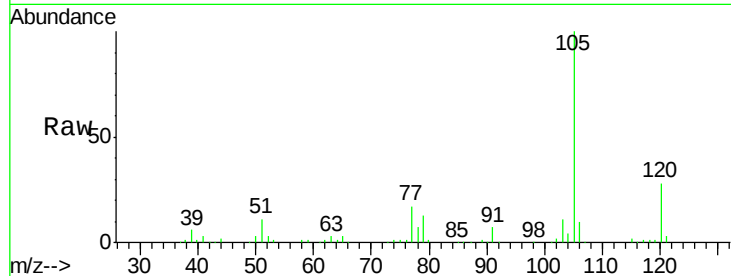
105 100

120 26.8 13.1 39.3

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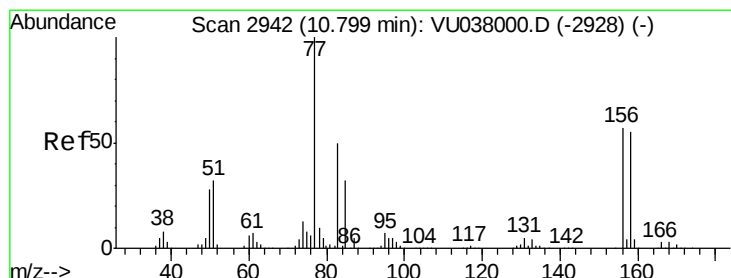
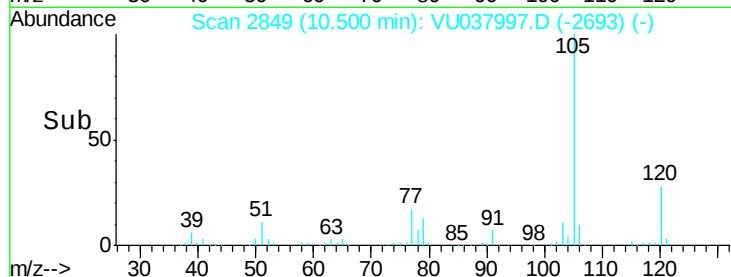
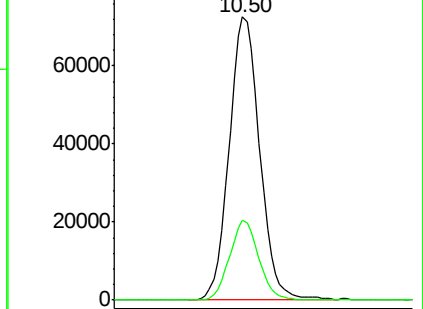
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#70

1,1,2,2-Tetrachloroethane

Concen: 0.904 ug/l

RT: 10.80 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VU037997.D

Acq: 04 May 2020 11:17

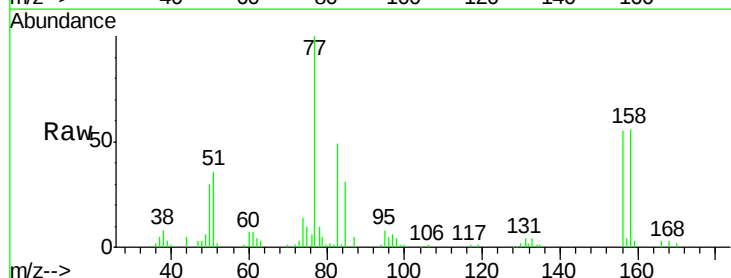
Tgt Ion: 83 Resp: 22567

Ion Ratio Lower Upper

83 100

131 9.0 7.2 10.8

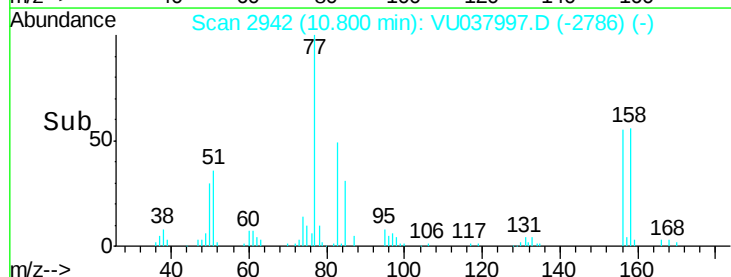
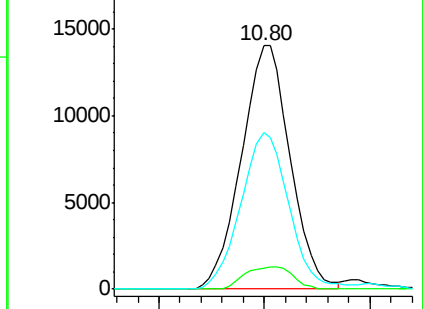
85 63.4 50.0 75.0

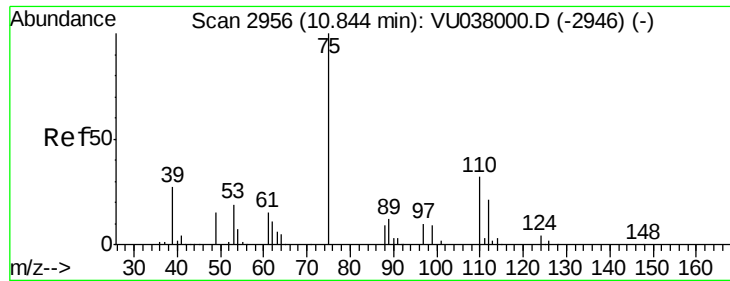


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0





#71

1,2,3-Trichloropropane

Concen: 1.058 ug/l m

RT: 10.84 min Scan# 2956

Delta R.T. 0.00 min

Lab File: VU037997.D

Acq: 04 May 2020 11:17

Instrument :

MSVOA_U

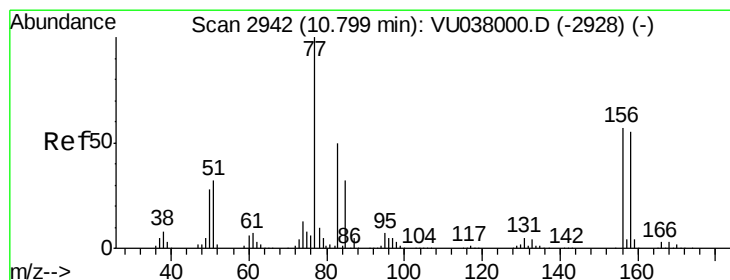
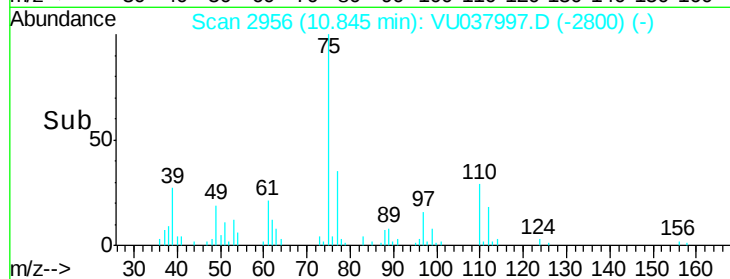
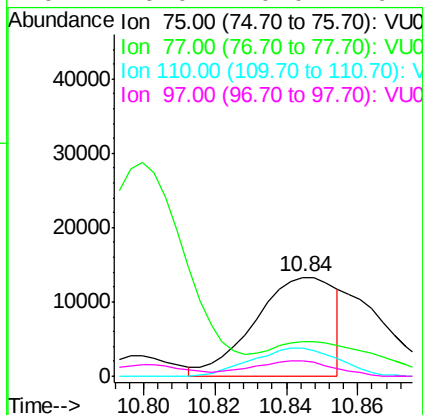
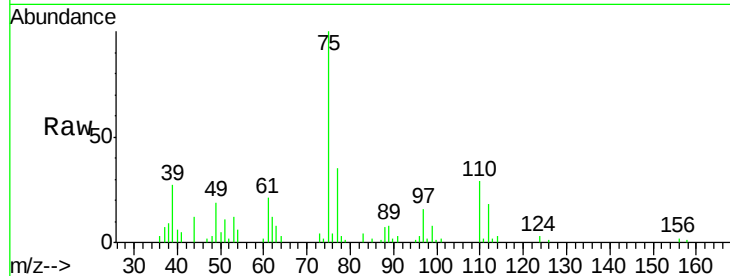
ClientSampleId :

VSTDIC001

Tot Ion:	75	Resp:	20816
Ion Ratio	Lower	Upper	
75	100		
77	44.9	0.0	108.6
110	30.9	0.0	79.4
97	16.0	0.0	40.4

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#72

Bromobenzene

Concen: 0.939 ug/l

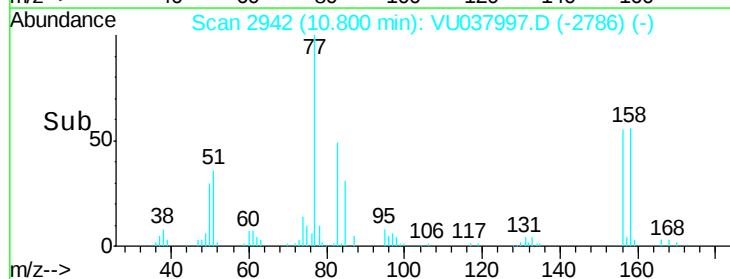
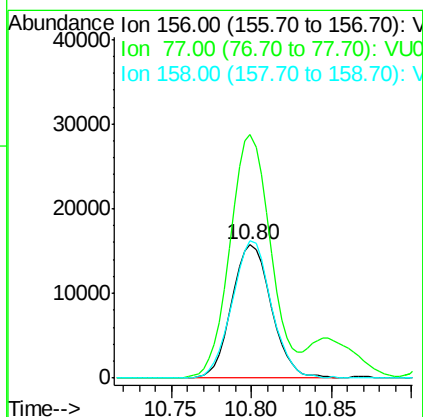
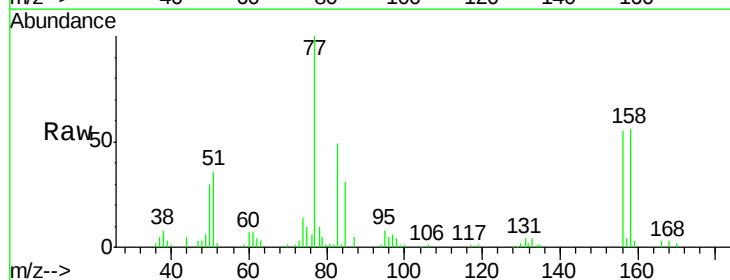
RT: 10.80 min Scan# 2942

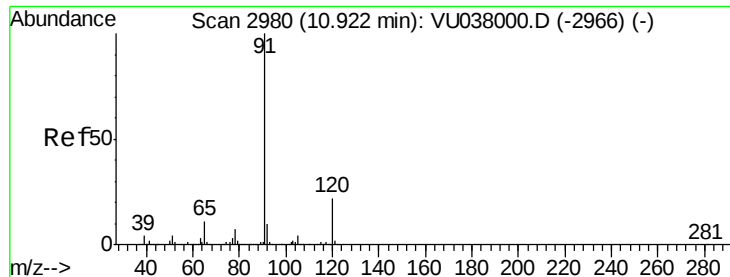
Delta R.T. 0.00 min

Lab File: VU037997.D

Acq: 04 May 2020 11:17

Tgt Ion:	156	Resp:	26599
Ion Ratio	Lower	Upper	
156	100		
77	186.2	0.0	355.6
158	101.7	0.0	194.0





#73

n-propylbenzene

Concen: 1.064 ug/l

RT: 10.92 min Scan# 2980

Delta R.T. 0.00 min

Lab File: VU037997.D

Acq: 04 May 2020 11:17

Instrument :

MSVOA_U

ClientSampled :

VSTDIC001

Tot Ion:120 Resp: 33088

Ion Ratio Lower Upper

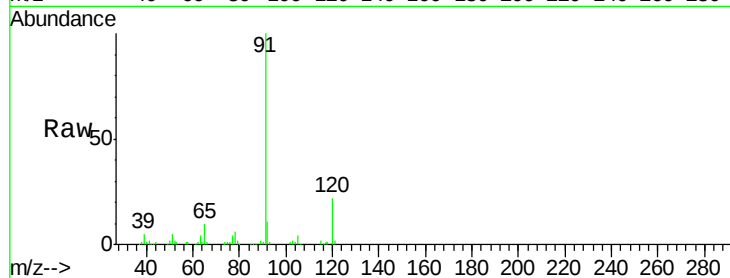
120 100

91 439.8 355.4 533.0

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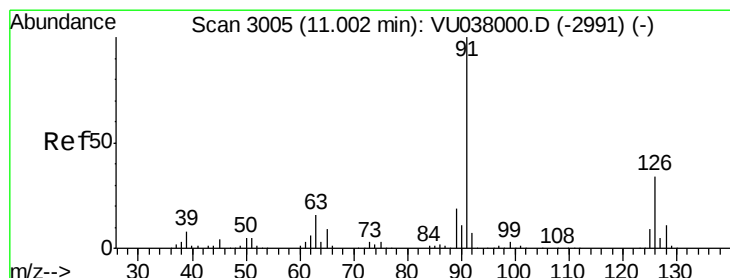
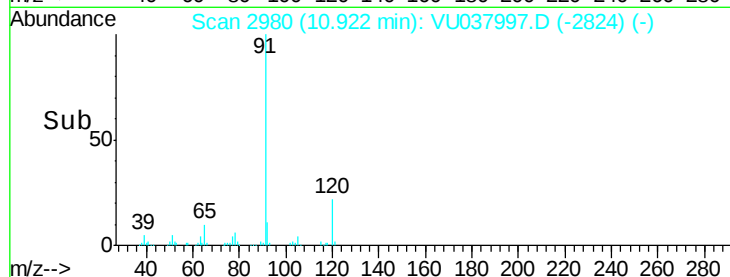
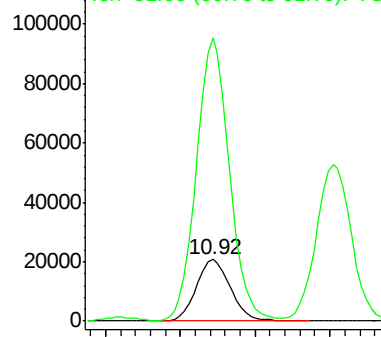
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Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 1.038 ug/l

RT: 11.00 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VU037997.D

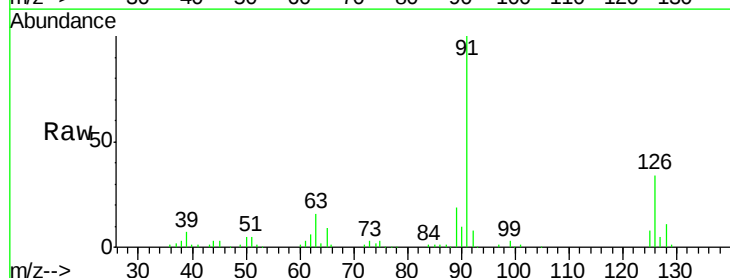
Acq: 04 May 2020 11:17

Tgt Ion:126 Resp: 28881

Ion Ratio Lower Upper

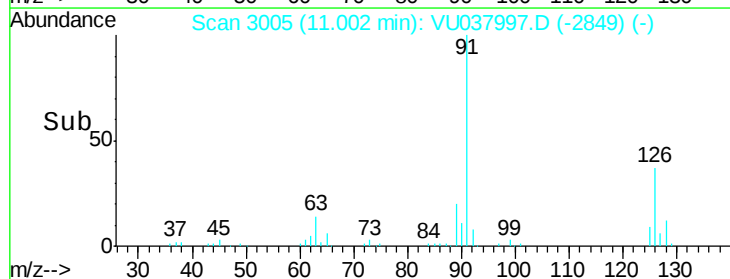
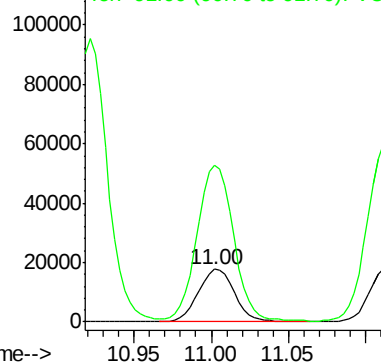
126 100

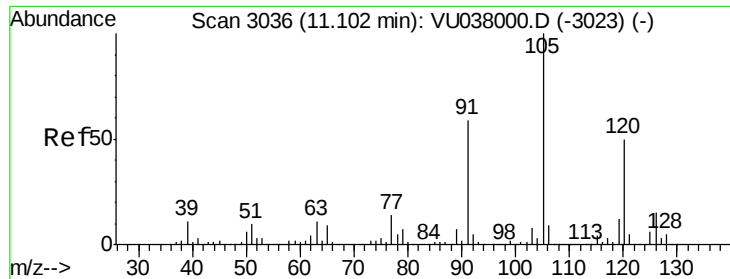
91 299.8 0.0 625.8



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: 0.975 ug/l

RT: 11.10 min Scan# 3037

Delta R.T. 0.00 min

Lab File: VU037997.D

Acq: 04 May 2020 11:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 97823

Ion Ratio Lower Upper

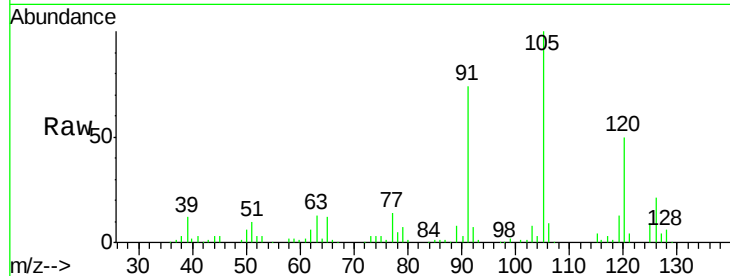
105 100

120 49.8 39.8 59.6

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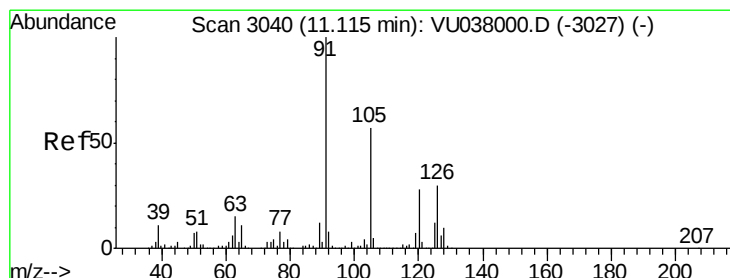
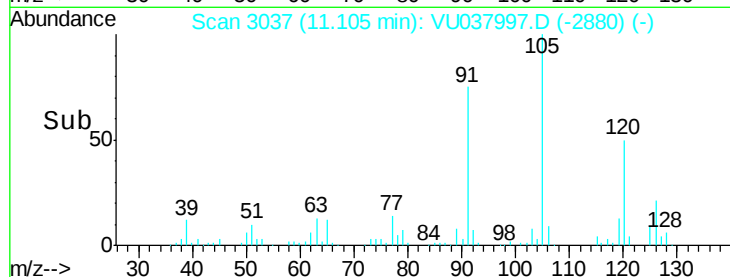
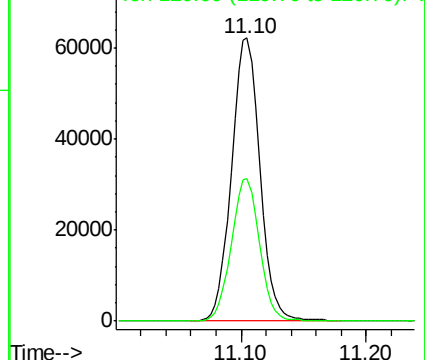
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

4-Chlorotoluene

Concen: 1.037 ug/l

RT: 11.11 min Scan# 3040

Delta R.T. 0.00 min

Lab File: VU037997.D

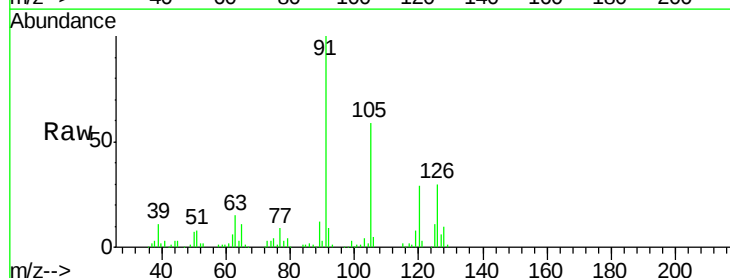
Acq: 04 May 2020 11:17

Tgt Ion:126 Resp: 29195

Ion Ratio Lower Upper

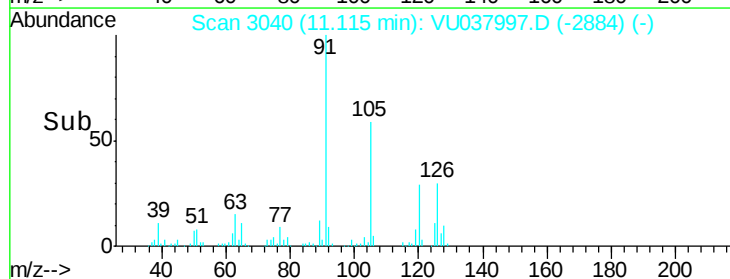
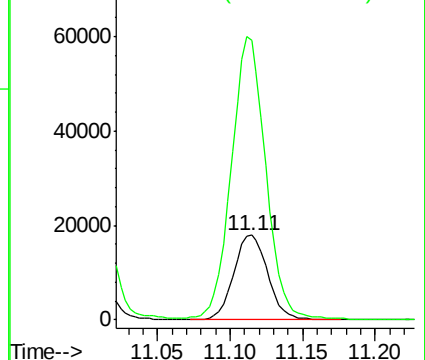
126 100

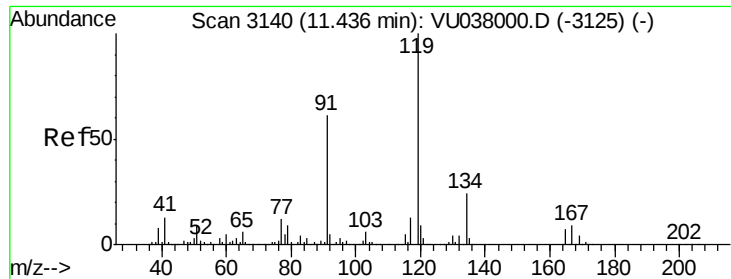
91 340.4 0.0 698.6



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





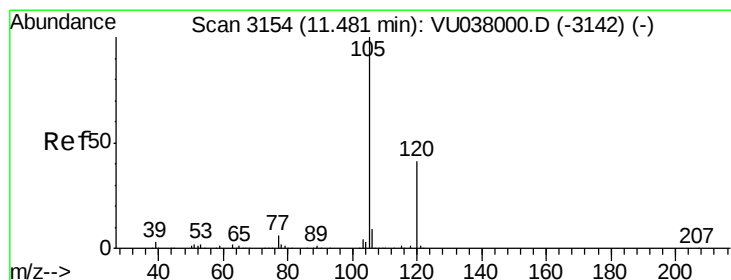
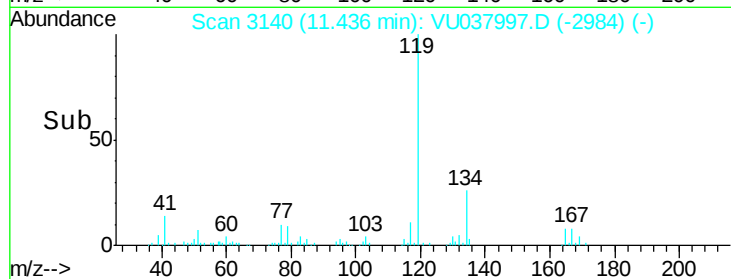
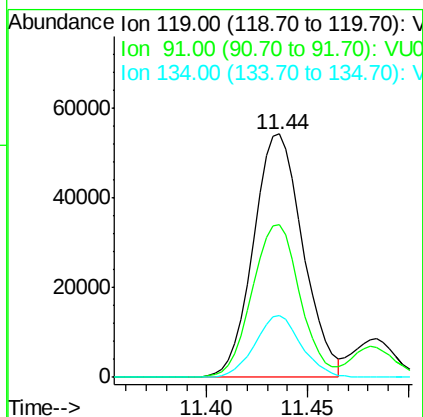
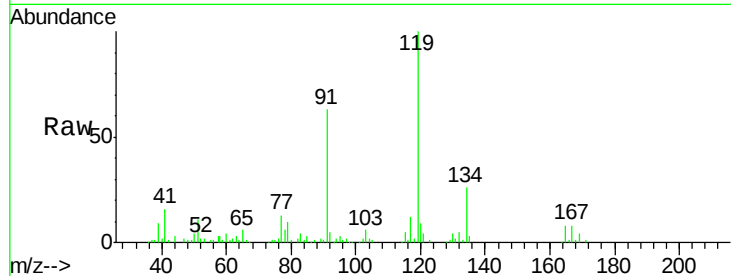
#77
tert-Butylbenzene
Concen: 0.951 ug/l
RT: 11.44 min Scan# 3140
Delta R.T. 0.00 min
Lab File: VU037997.D
Acq: 04 May 2020 11:17

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.0	30.1	90.5
134	23.9	19.0	28.6

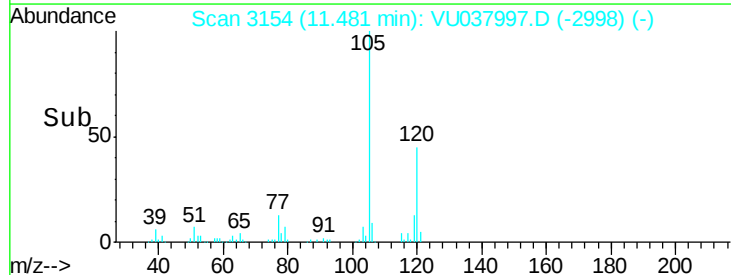
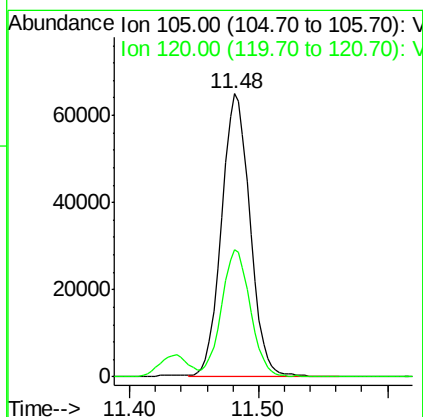
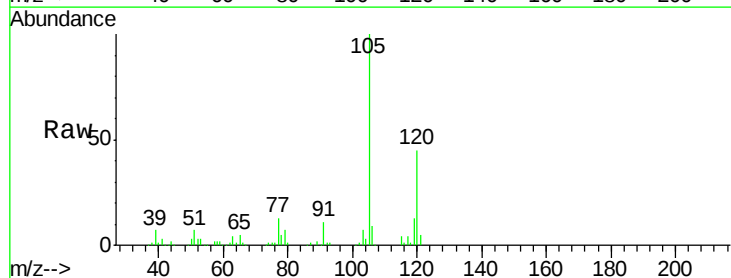
Manual Integrations
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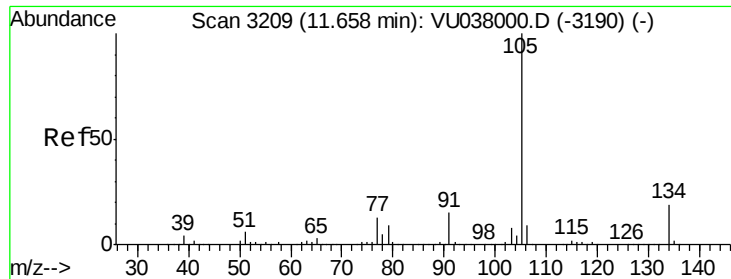
apatel
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#78
1,2,4-Trimethylbenzene
Concen: 0.989 ug/l
RT: 11.48 min Scan# 3154
Delta R.T. 0.00 min
Lab File: VU037997.D
Acq: 04 May 2020 11:17

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.4	23.4	70.0





#79

sec-Butylbenzene

Concen: 1.015 ug/l

RT: 11.66 min Scan# 3209

Delta R.T. 0.00 min

Lab File: VU037997.D

Acq: 04 May 2020 11:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 105 Resp: 136145

Ion Ratio Lower Upper

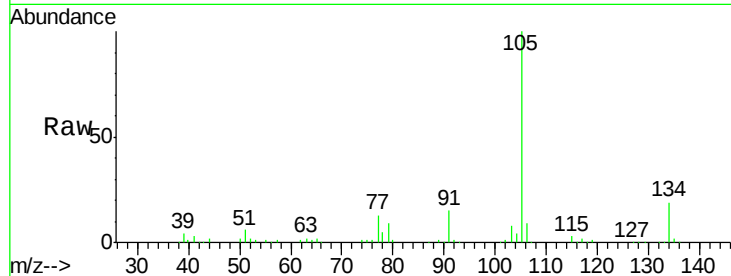
105 100

134 19.1 15.4 23.0

Manual Integrations
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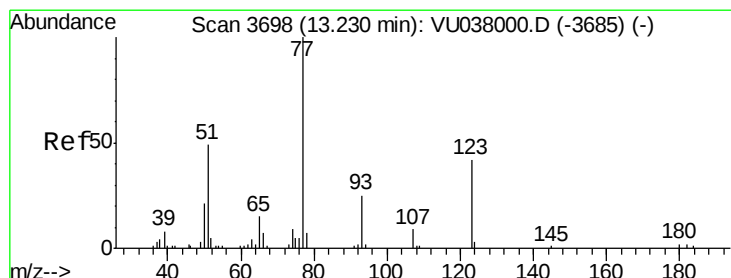
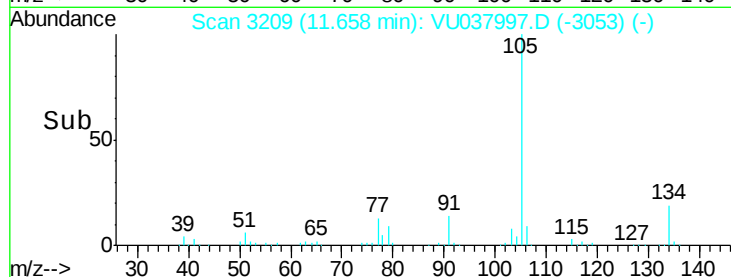
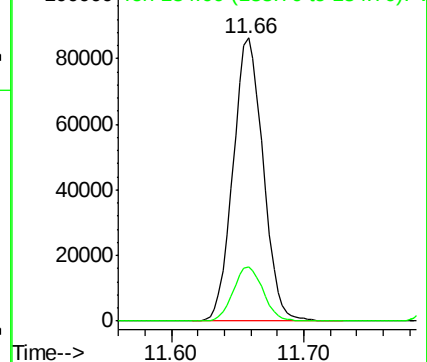
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#80

Nitrobenzene

Concen: 5.754 ug/l

RT: 13.23 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VU037997.D

Acq: 04 May 2020 11:17

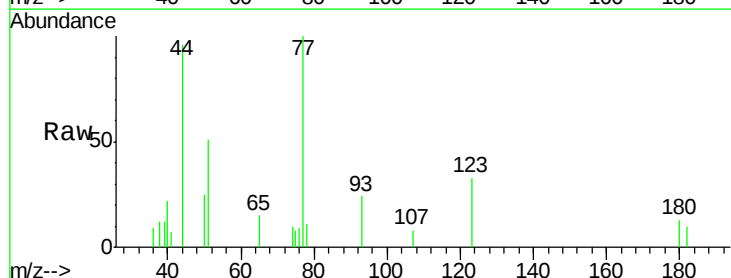
Tgt Ion: 77 Resp: 3274

Ion Ratio Lower Upper

77 100

123 40.5 17.6 62.6

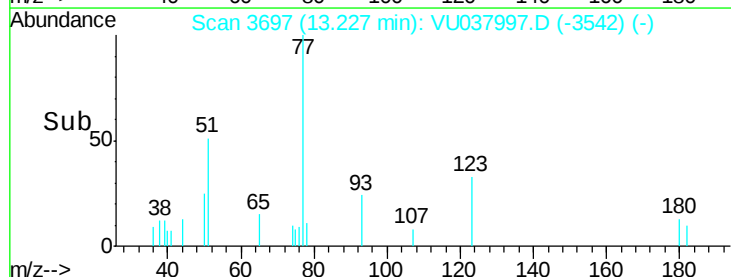
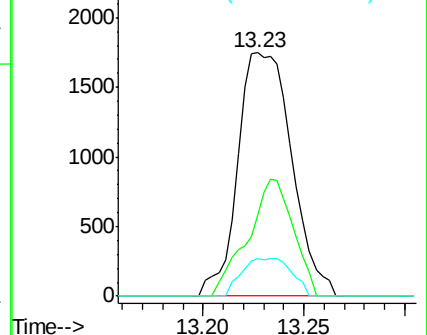
65 14.3 13.2 16.8

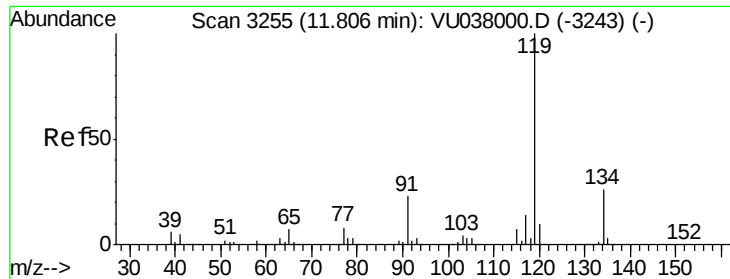


Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0





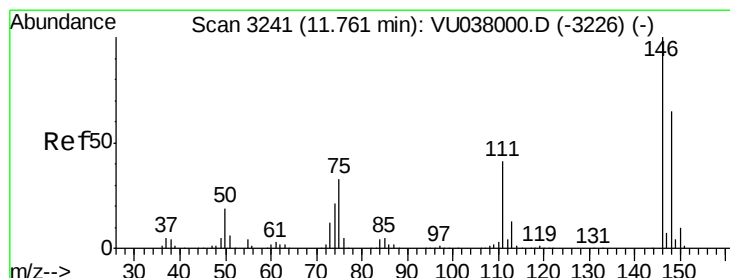
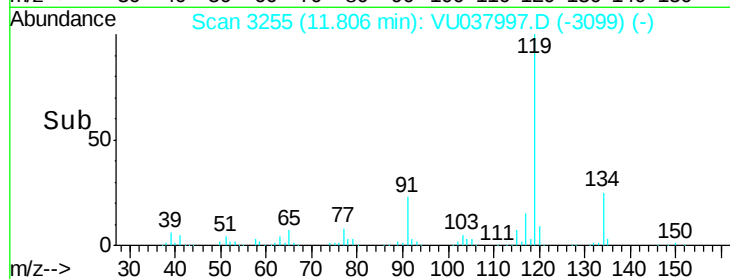
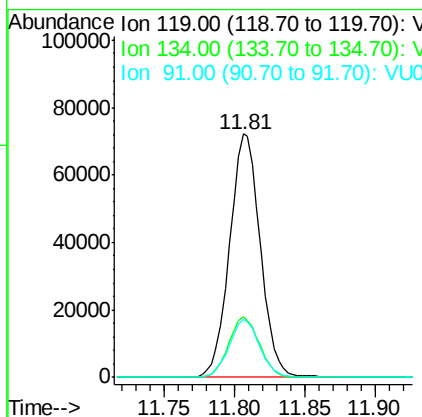
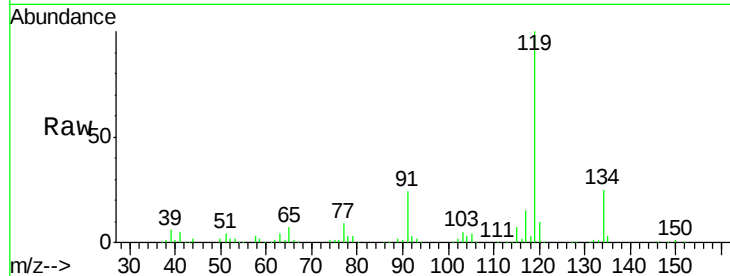
#81
 p-Isopropyltoluene
 Concen: 1.041 ug/l
 RT: 11.81 min Scan# 3255
 Delta R.T. 0.00 min
 Lab File: VU037997.D
 Acq: 04 May 2020 11:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
119	100	109839		
134	24.6	20.6	31.0	
91	23.6	18.6	28.0	

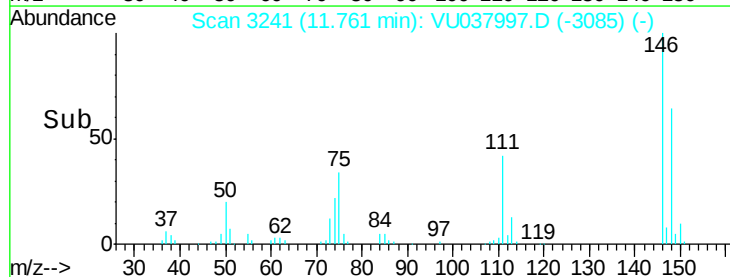
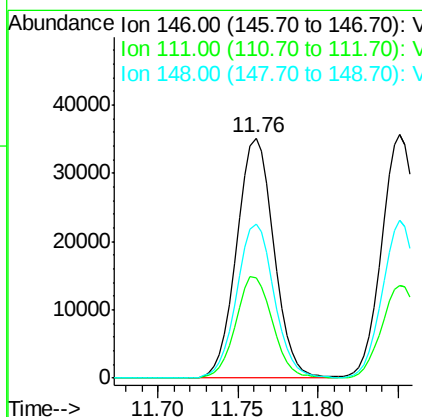
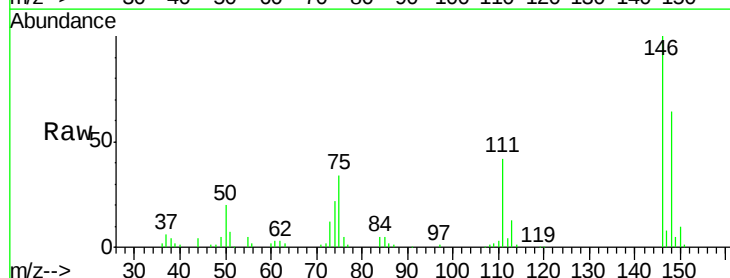
Manual Integrations
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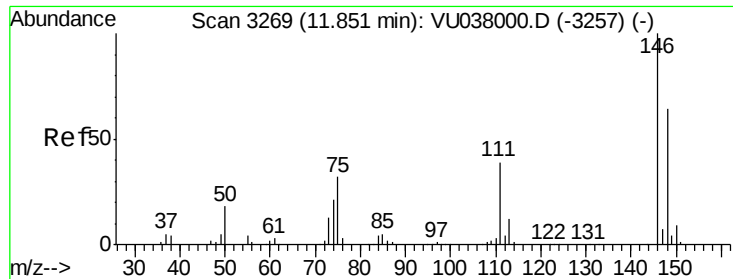
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#82
 1,3-Dichlorobenzene
 Concen: 0.996 ug/l
 RT: 11.76 min Scan# 3241
 Delta R.T. 0.00 min
 Lab File: VU037997.D
 Acq: 04 May 2020 11:17

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	55733		
111	41.7	33.0	49.4	
148	64.9	51.4	77.2	





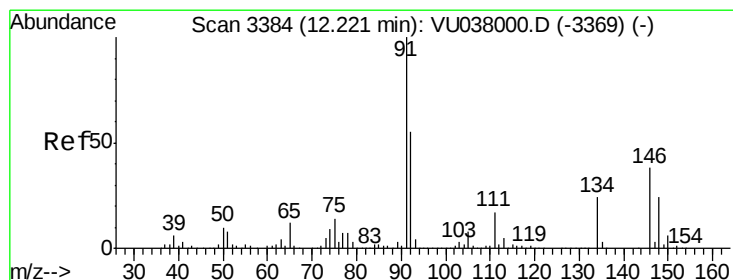
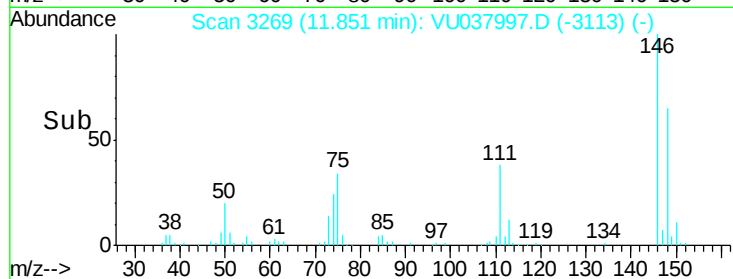
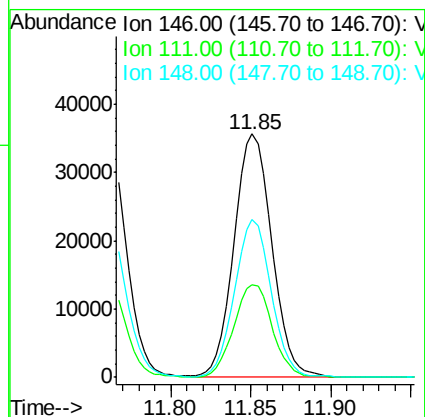
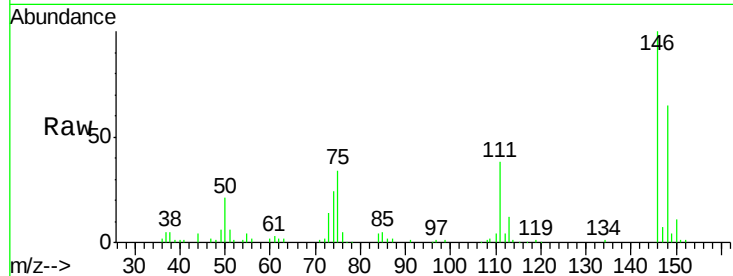
#83
 1,4-Dichlorobenzene
 Concen: 1.017 ug/l
 RT: 11.85 min Scan# 3269
 Delta R.T. 0.00 min
 Lab File: VU037997.D
 Acq: 04 May 2020 11:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	31.8	47.6
148	62.6	51.2	76.8

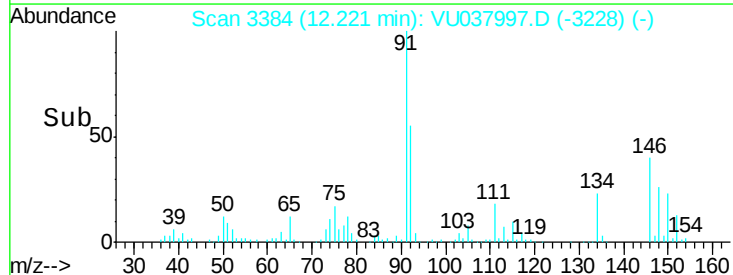
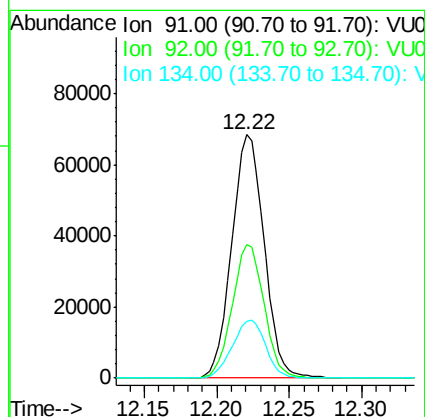
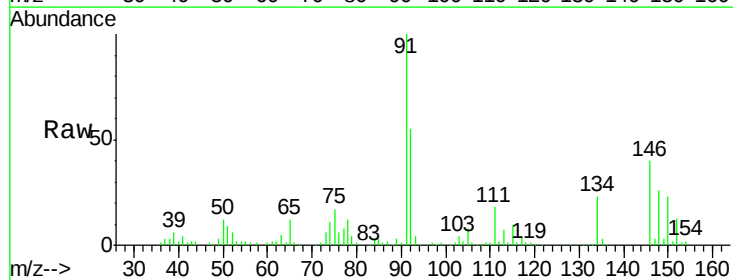
Manual Integrations
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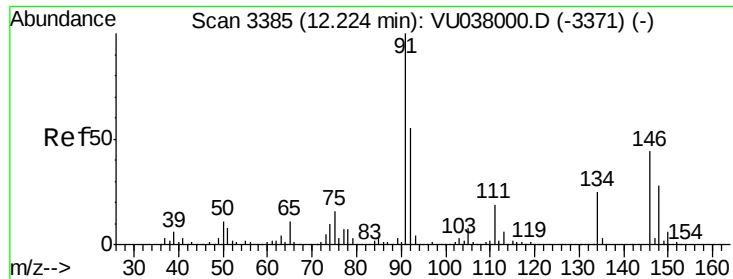
apatel
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#84
 n-Butylbenzene
 Concen: 1.049 ug/l
 RT: 12.22 min Scan# 3384
 Delta R.T. 0.00 min
 Lab File: VU037997.D
 Acq: 04 May 2020 11:17

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.8	43.8	65.6
134	24.6	19.4	29.2





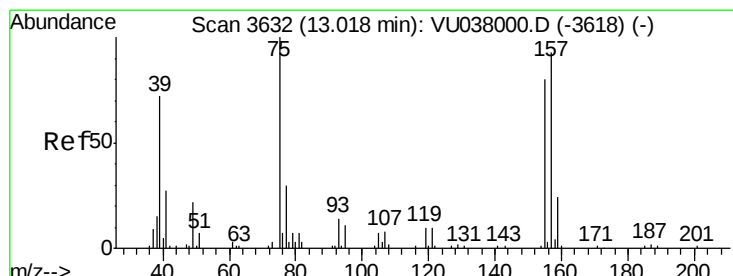
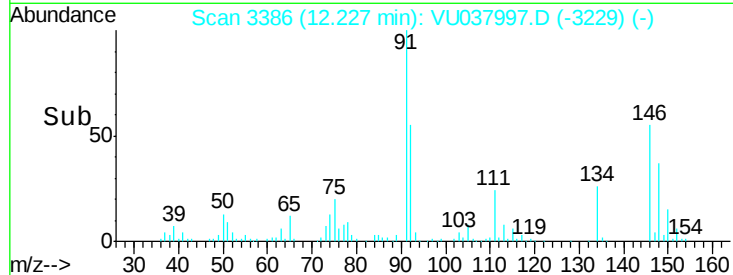
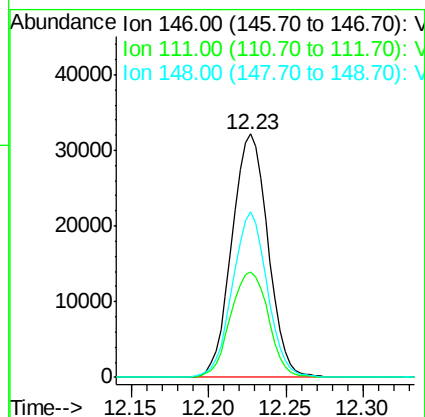
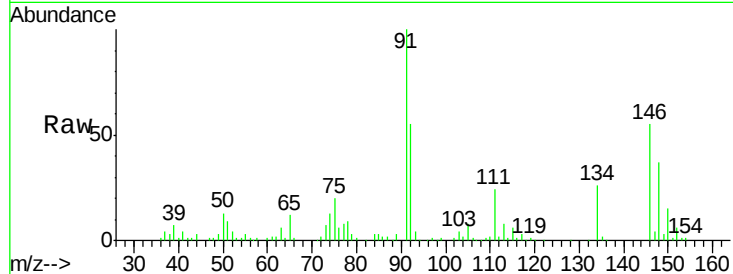
#85
 1,2-Dichlorobenzene
 Concen: 0.965 ug/l
 RT: 12.23 min Scan# 3386
 Delta R.T. 0.00 min
 Lab File: VU037997.D
 Acq: 04 May 2020 11:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.4	21.9	65.8
148	65.7	31.8	95.4

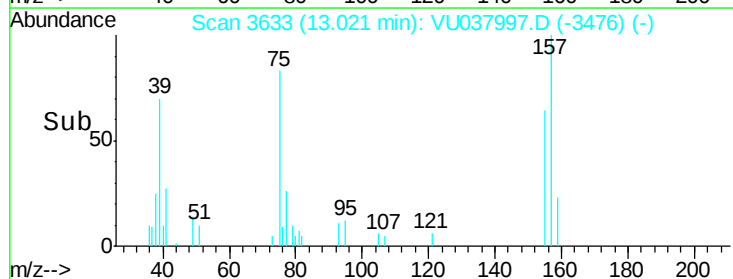
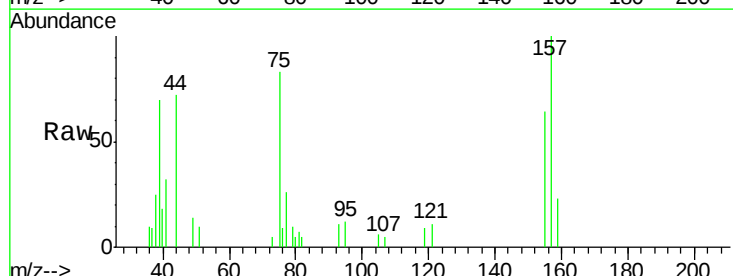
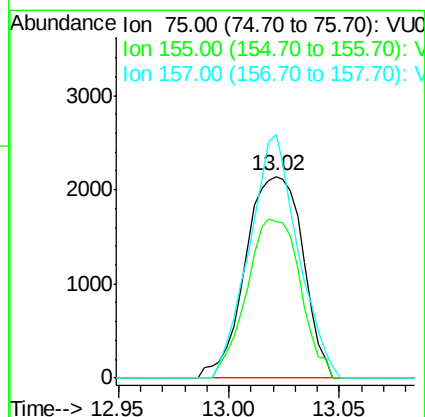
Manual Integrations
 APPROVED

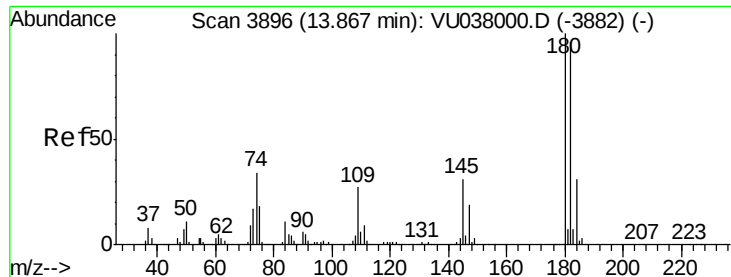
apatel
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#86
 1,2-Dibromo-3-Chloropropane
 Concen: 0.904 ug/l
 RT: 13.02 min Scan# 3633
 Delta R.T. 0.00 min
 Lab File: VU037997.D
 Acq: 04 May 2020 11:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.5	60.9	91.3
157	102.4	78.1	117.1





#87

1,2,4-Trichlorobenzene

Concen: 1.366 ug/l

RT: 13.87 min Scan# 3897

Delta R.T. 0.00 min

Lab File: VU037997.D

Acq: 04 May 2020 11:17

Instrument :

MSVOA_U

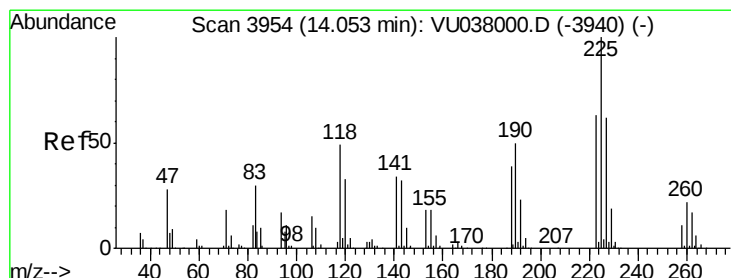
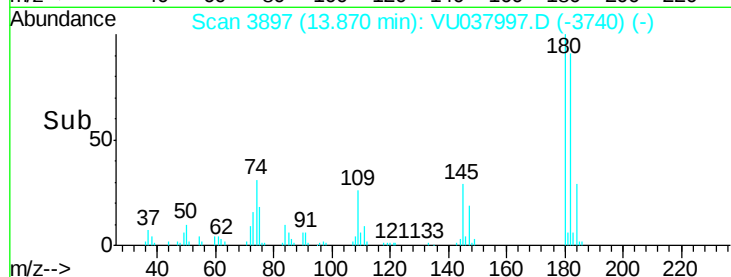
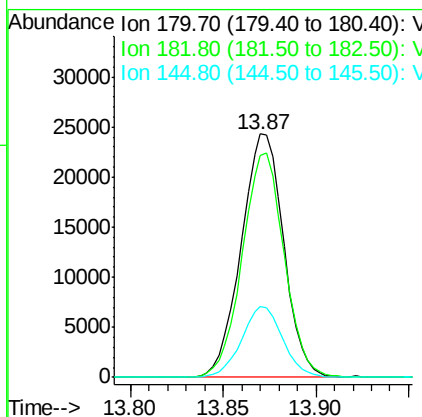
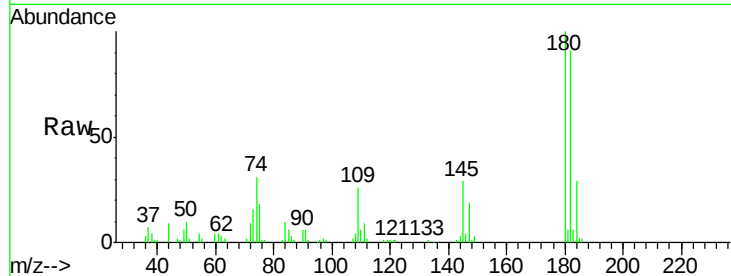
ClientSampleId :

VSTDIC001

Tot Ion:	180	Resp:	38812
Ion Ratio	Lower	Upper	
180	100		
182	90.8	76.9	115.3
145	28.3	24.7	37.1

Manual Integrations
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#88

Hexachlorobutadiene

Concen: 1.009 ug/l

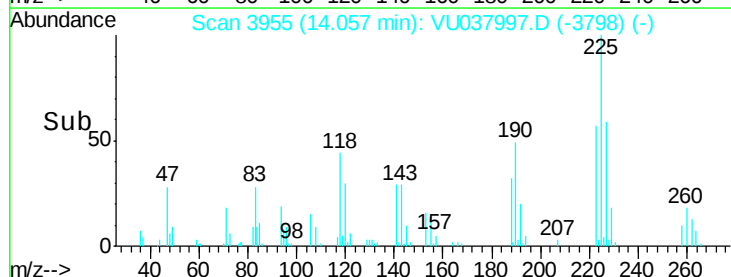
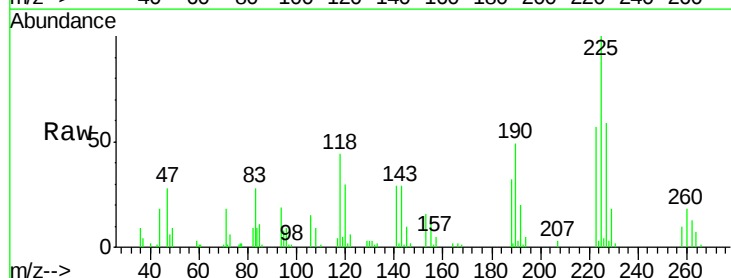
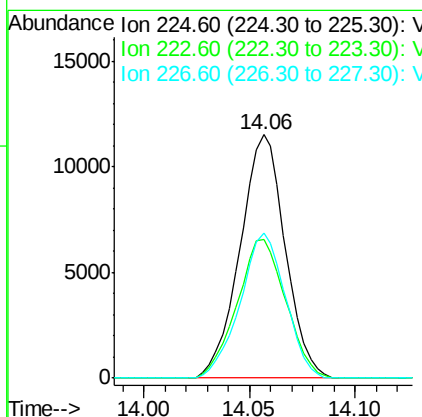
RT: 14.06 min Scan# 3955

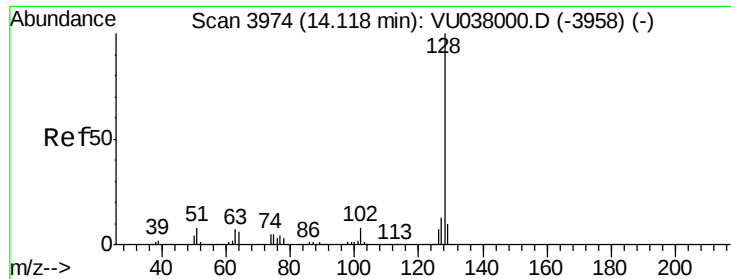
Delta R.T. 0.00 min

Lab File: VU037997.D

Acq: 04 May 2020 11:17

Tgt Ion:	225	Resp:	17116
Ion Ratio	Lower	Upper	
225	100		
223	61.5	51.3	76.9
227	59.6	49.2	73.8





#89

Naphthalene

Concen: 1.456 ug/l

RT: 14.12 min Scan# 3974

Delta R.T. 0.00 min

Lab File: VU037997.D

Acq: 04 May 2020 11:17

Instrument :

MSVOA_U

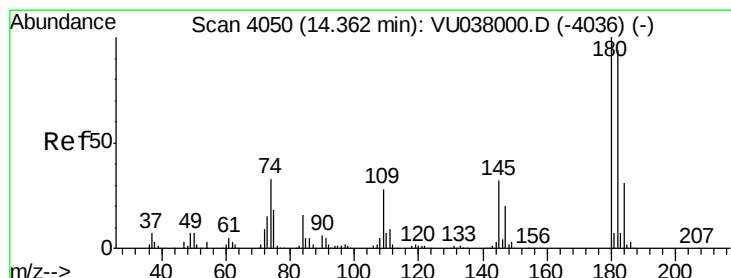
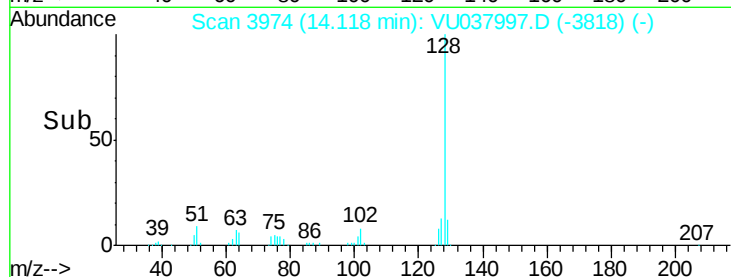
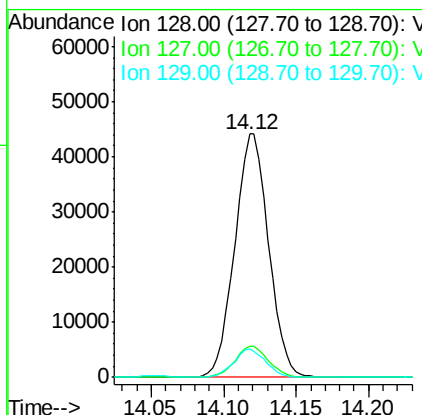
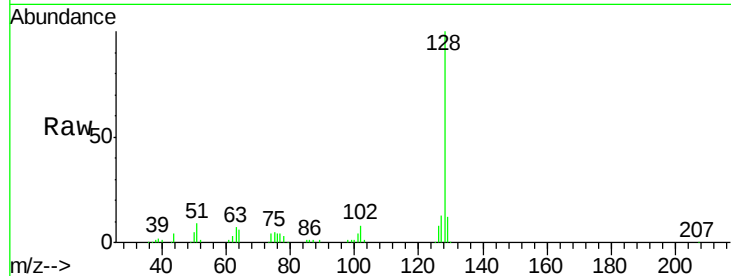
ClientSampleId :

VSTDIC001

Tot Ion:	128	Resp:	71711
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.4	15.6
129	10.9	8.6	12.8

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#90

1,2,3-Trichlorobenzene

Concen: 1.201 ug/l

RT: 14.37 min Scan# 4051

Delta R.T. 0.00 min

Lab File: VU037997.D

Acq: 04 May 2020 11:17

Tgt Ion:	180	Resp:	32879
Ion Ratio	Lower	Upper	
180	100		
182	92.6	75.9	113.9
145	32.4	26.0	39.0

