

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072920\
 Data File : VU039696.D
 Acq On : 29 Jul 2020 11:12
 Operator : SY/MD
 Sample : VSTDIC001
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 7/31/2020 3:42:46 PM

Quant Time: Jul 30 01:28:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U072920DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Jul 30 01:17:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	6.13	96	20590	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.63	95	7507	0.93	ug/l	0.00
Spiked Amount 1.000			Recovery	=	93.00%	
68) 1,2-Dichlorobenzene-d4	12.19	152	7134	0.91	ug/l	0.00
Spiked Amount 1.000			Recovery	=	91.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.39	85	7271	1.034	ug/l	93
3) Chloromethane	1.53	50	9187	1.097	ug/l	99
4) Vinyl Chloride	1.61	62	8496	1.036	ug/l	99
5) Bromomethane	1.86	94	6234	1.225	ug/l	94
6) Chloroethane	1.94	64	5675	1.135	ug/l	97
7) Trichlorofluoromethane	2.15	101	10906	1.220	ug/l	93
8) 1,1,2-Trichloro-1,2,2-trif	2.59	101	6229	1.136	ug/l	98
9) 1,1-Dichloroethene	2.59	96	5826	1.070	ug/l	97
10) Iodomethane	2.74	142	4589	1.267	ug/l	99
11) Allyl Chloride	2.93	41	12330	1.196	ug/l	95
12) Acrylonitrile	3.33	53	4141	2.677	ug/l	97
13) Acetone	2.64	43	9431	7.365	ug/l	92
14) Carbon Disulfide	2.81	76	20897	1.051	ug/l	95
15) Methylene Chloride	3.06	84	8563	1.134	ug/l	96
16) trans-1,2-Dichloroethene	3.37	96	6654	1.114	ug/l	97
17) 1,1-Dichloroethane	3.89	63	14285	1.225	ug/l	99
18) 2-Butanone	4.74	43	14850	7.516	ug/l	100
19) Cyclohexane	5.40	56	13797m	1.230	ug/l	
20) Methylcyclohexane	6.77	83	9254	0.872	ug/l	95
21) 2,2-Dichloropropane	4.68	77	11837	1.228	ug/l	96
22) cis-1,2-Dichloroethene	4.69	96	7199	1.137	ug/l	95
23) Diethyl Ether	2.39	59	5610	1.149	ug/l	94
24) tert-Butyl Alcohol	3.20	59	13311	23.923	ug/l #	89
25) Methyl tert-Butyl Ether	3.38	73	18632	1.210	ug/l	100
26) Bromochloromethane	4.99	128	2864	1.122	ug/l	96
27) Chloroform	5.11	83	13384	1.228	ug/l	99
28) 1,1,1-Trichloroethane	5.33	97	10403	1.164	ug/l	95
29) 1,1-Dichloropropene	5.54	75	10516	1.180	ug/l	98
30) Carbon Tetrachloride	5.54	117	8713	1.169	ug/l	99
31) Isopropyl Ether	4.02	45	25610	1.311	ug/l	96
32) Ethyl-t-butyl ether	4.53	59	22254	1.278	ug/l	96
33) Tert-Amyl methyl ether	5.97	73	15481	1.062	ug/l	99
34) Propionitrile	4.81	54	3961	7.216	ug/l #	93
35) Benzene	5.79	78	24787	1.013	ug/l	96
36) 1,2-Dichloroethane	5.82	62	9599	1.268	ug/l	98
37) Trichloroethene	6.56	130	6054	0.956	ug/l	97
38) 1,2-Dichloropropane	6.81	63	6863	1.028	ug/l	92
39) Methacrylonitrile	5.00	41	4449	1.717	ug/l	94
40) Methyl acrylate	4.87	55	5592	1.486	ug/l	95
41) Tetrahydrofuran	5.09	42	4877	3.744	ug/l #	89
42) 1-Chlorobutane	5.47	56	16174	1.237	ug/l	95

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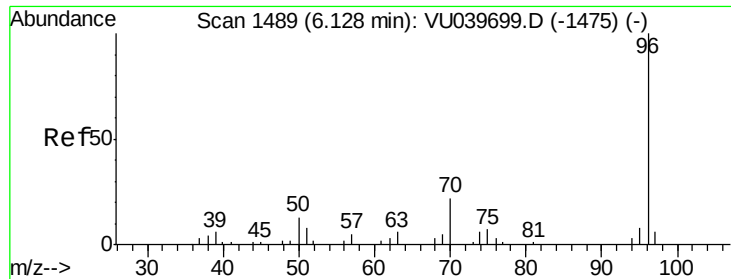
Manual Integrations
 APPROVED

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 7/31/2020 3:42:46 PM

Quant Time: Jul 30 01:28:51 2020
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 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Jul 30 01:17:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.93	93	4102	1.294	ug/l	90
44) Bromodichloromethane	7.12	83	8676	1.101	ug/l	98
45) 4-Methyl-2-Pentanone	7.81	43	26072	5.844	ug/l	99
46) t-1,4-Dichloro-2-butene	10.83	75	3070m	2.252	ug/l	
47) Methyl methacrylate	6.98	69	6373	1.985	ug/l	94
48) Ethyl methacrylate	8.35	69	5824	0.985	ug/l	97
49) Toluene	7.98	92	14010	0.907	ug/l	97
50) t-1,3-Dichloropropene	8.22	75	6852	0.863	ug/l	96
51) cis-1,3-Dichloropropene	7.62	75	8537	0.905	ug/l	99
52) 1,1,2-Trichloroethane	8.41	97	4685	1.057	ug/l	96
53) 1,3-Dichloropropane	8.58	76	9194	1.103	ug/l	96
54) 2-Hexanone	8.70	43	18712	5.914	ug/l	99
55) Dibromochloromethane	8.82	129	5176	1.055	ug/l	88
56) 1,2-Dibromoethane	8.93	107	4479	1.063	ug/l	93
58) Tetrachloroethene	8.56	164	4994	0.860	ug/l	95
59) Chlorobenzene	9.45	112	14700	0.900	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.54	131	5053	1.005	ug/l	98
61) Pentachloroethane	11.43	117	4075	1.047	ug/l	99
62) Hexachloroethane	12.47	117	3596	0.902	ug/l	97
63) Ethyl Benzene	9.57	91	25082	0.857	ug/l	99
64) m/p-Xylenes	9.70	106	18628	1.648	ug/l	95
65) o-Xylene	10.10	106	9425	0.860	ug/l	97
66) Styrene	10.11	104	15480	0.851	ug/l	99
67) Bromoform	10.29	173	2303	0.894	ug/l #	96
69) Isopropylbenzene	10.48	105	24472	0.854	ug/l	96
70) 1,1,2,2-Tetrachloroethane	10.78	83	6677	1.146	ug/l	96
71) 1,2,3-Trichloropropane	10.83	75	4269m	0.971	ug/l	
72) Bromobenzene	10.78	156	5874	0.922	ug/l	96
73) n-propylbenzene	10.91	120	7034	0.892	ug/l	97
74) 2-Chlorotoluene	10.99	126	5937	0.897	ug/l	99
75) 1,3,5-Trimethylbenzene	11.09	105	20701	0.861	ug/l	97
76) 4-Chlorotoluene	11.10	126	6153	0.892	ug/l	96
77) tert-Butylbenzene	11.42	119	19951	0.874	ug/l	100
78) 1,2,4-Trimethylbenzene	11.47	105	20506	0.828	ug/l	99
79) sec-Butylbenzene	11.64	105	29566	0.906	ug/l	99
80) Nitrobenzene	13.20	77	488	3.085	ug/l #	77
81) p-Isopropyltoluene	11.79	119	23239	0.881	ug/l	98
82) 1,3-Dichlorobenzene	11.74	146	12551	0.943	ug/l	98
83) 1,4-Dichlorobenzene	11.83	146	13186	0.979	ug/l	96
84) n-Butylbenzene	12.20	91	24576	0.928	ug/l	97
85) 1,2-Dichlorobenzene	12.21	146	12377	0.991	ug/l	97
86) 1,2-Dibromo-3-Chloropropan	12.99	75	1050	1.108	ug/l	94
87) 1,2,4-Trichlorobenzene	13.83	180	7579	0.847	ug/l	95
88) Hexachlorobutadiene	14.01	225	3537	0.893	ug/l	96
89) Naphthalene	14.08	128	14079	0.800	ug/l	99
90) 1,2,3-Trichlorobenzene	14.32	180	6796	0.848	ug/l	98

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.13 min Scan# 1489

Delta R.T. -0.00 min

Lab File: VU039696.D

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Instrument :

MSVOA_U

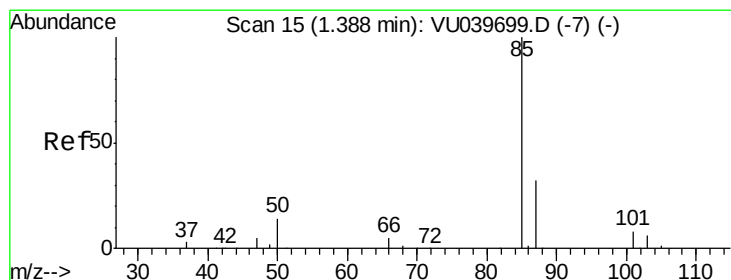
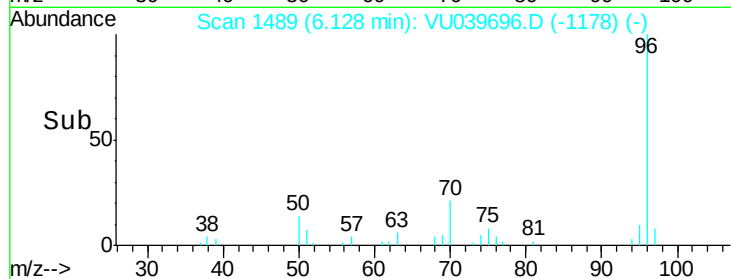
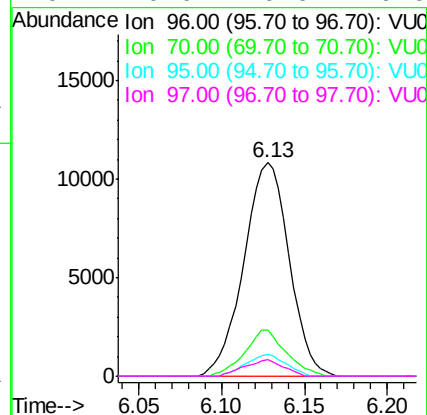
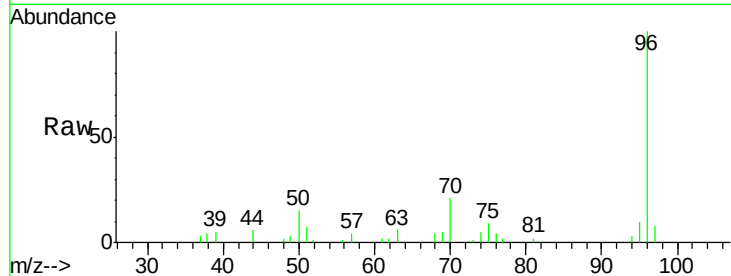
ClientSampleId :

VSTDIC001

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100		20590		
70	19.8	16.3	24.5		
95	9.1	6.8	10.2		
97	6.6	0.0	0.0		

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#2

Dichlorodifluoromethane

Concen: 1.034 ug/l

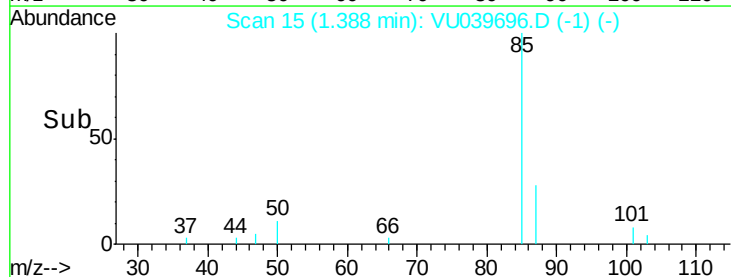
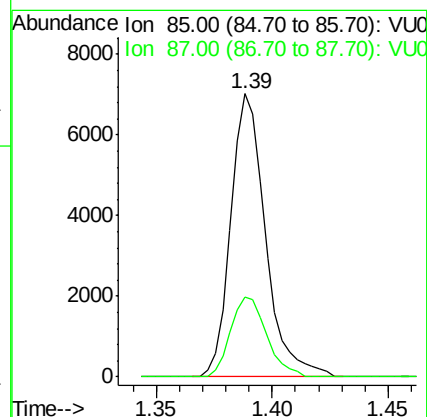
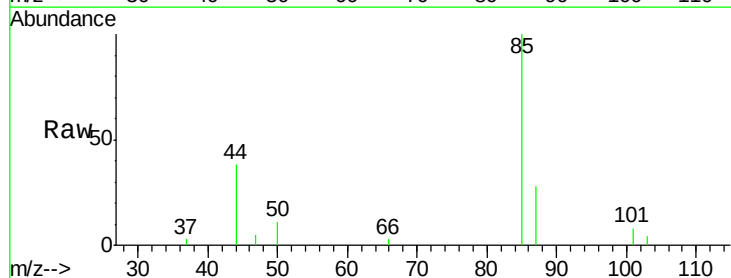
RT: 1.39 min Scan# 15

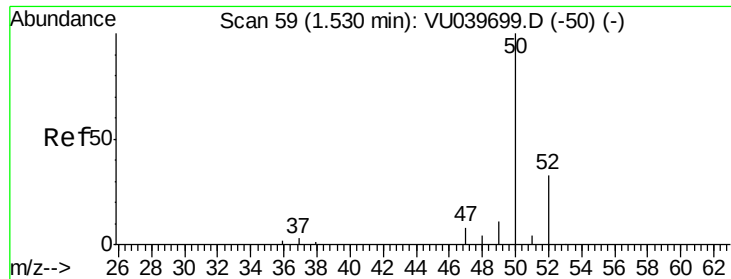
Delta R.T. -0.00 min

Lab File: VU039696.D

Acq: 29 Jul 2020 11:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
85	100		7271		
87	28.4	16.2	48.6		





#3

Chloromethane

Concen: 1.097 ug/l

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU039696.D

Acq: 29 Jul 2020 11:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 50 Resp: 9187

Ion Ratio Lower Upper

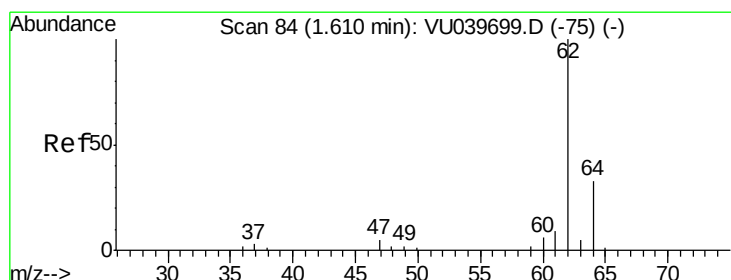
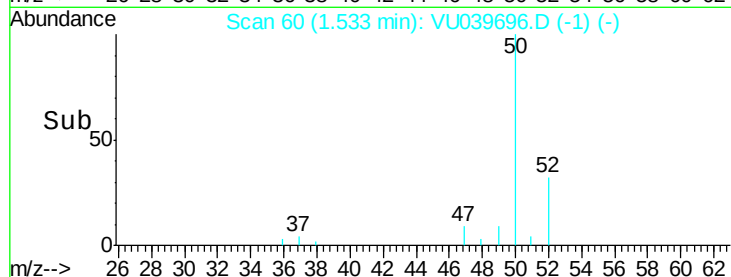
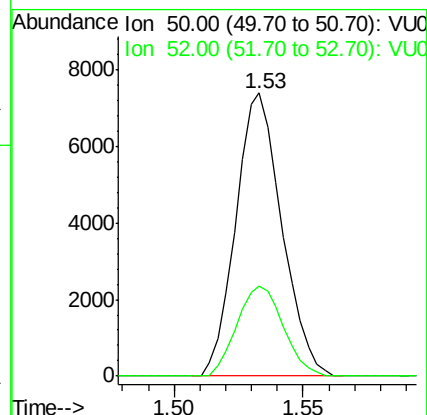
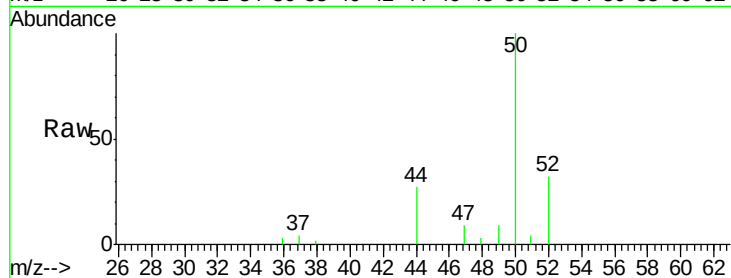
50 100

52 32.0 26.0 39.0

Manual Integrations
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#4

Vinyl Chloride

Concen: 1.036 ug/l

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU039696.D

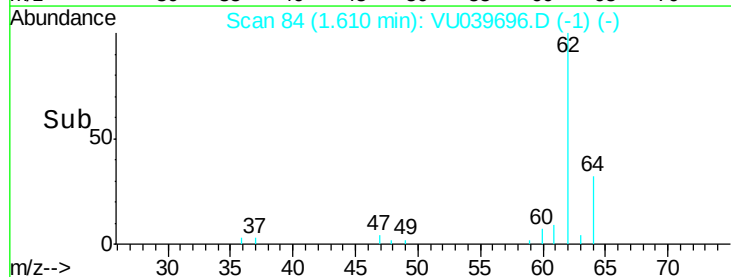
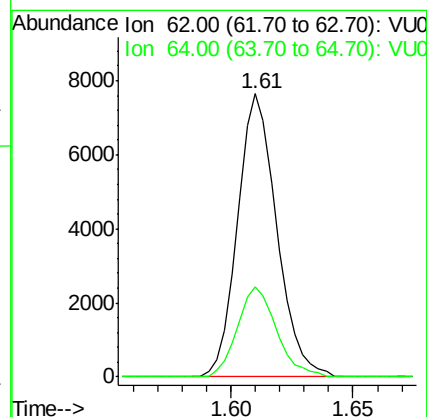
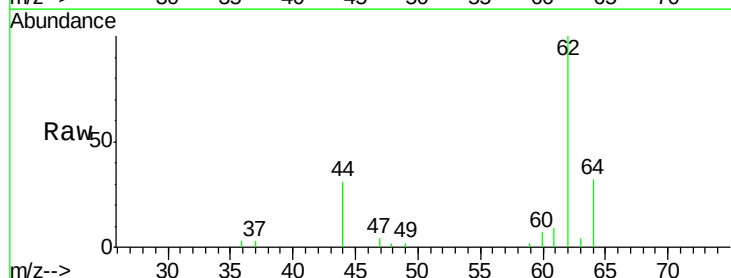
Acq: 29 Jul 2020 11:12

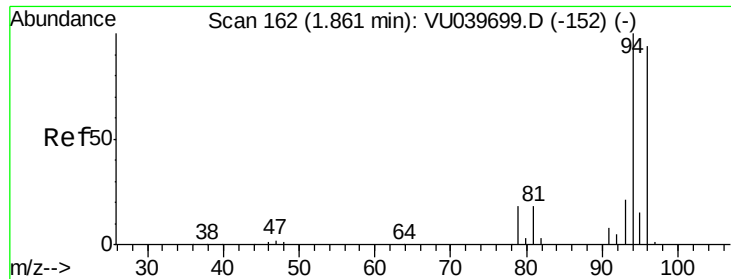
Tgt Ion: 62 Resp: 8496

Ion Ratio Lower Upper

62 100

64 32.0 26.0 39.0





#5

Bromomethane

Concen: 1.225 ug/l

RT: 1.86 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU039696.D

Acq: 29 Jul 2020 11:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 94 Resp: 6234

Ion Ratio Lower Upper

94 100

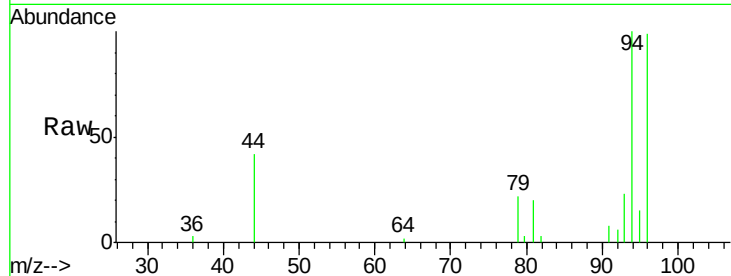
96 99.2 75.0 112.6

Manual Integrations

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Abundance Ion 94.00 (93.70 to 94.70): VU039699.D (-152) (-)

Ion 96.00 (95.70 to 96.70): VU039699.D (-152) (-)

1.86

4000

3000

2000

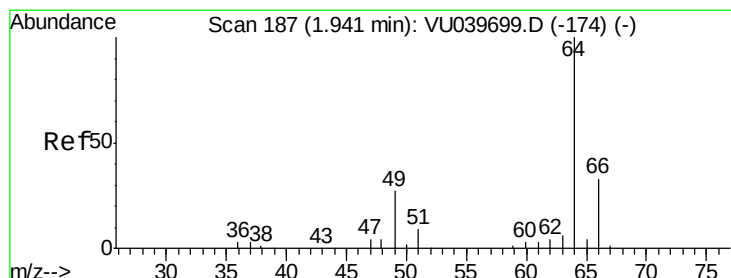
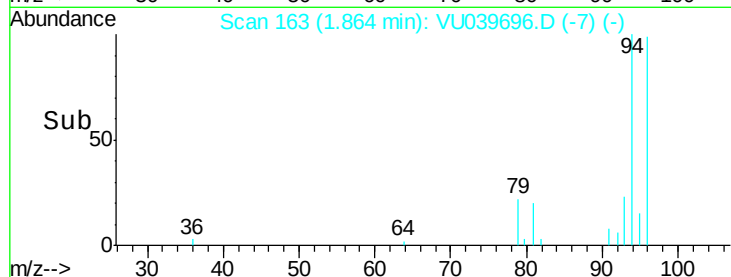
1000

0

1.85

1.90

Time-->



#6

Chloroethane

Concen: 1.135 ug/l

RT: 1.94 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU039696.D

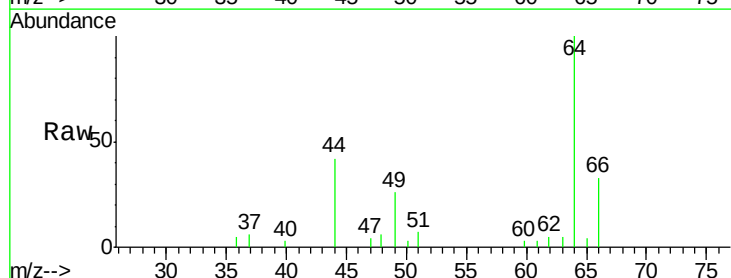
Acq: 29 Jul 2020 11:12

Tgt Ion: 64 Resp: 5675

Ion Ratio Lower Upper

64 100

66 34.5 26.2 39.2



Abundance Ion 64.00 (63.70 to 64.70): VU039699.D (-174) (-)

Ion 66.00 (65.70 to 66.70): VU039699.D (-174) (-)

1.94

4000

3000

2000

1000

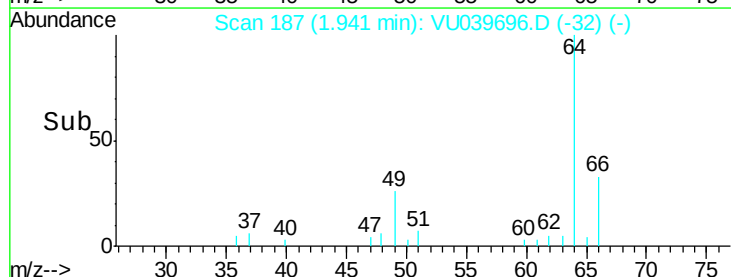
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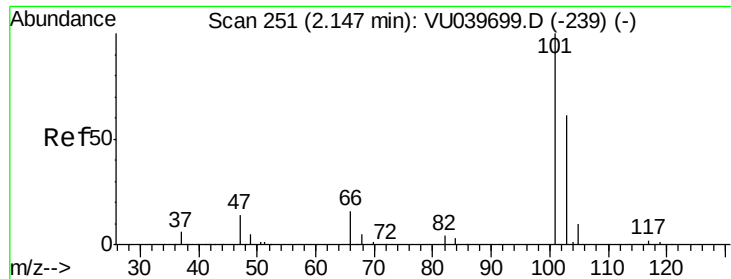
1.90

1.95

2.00

Time-->





#7

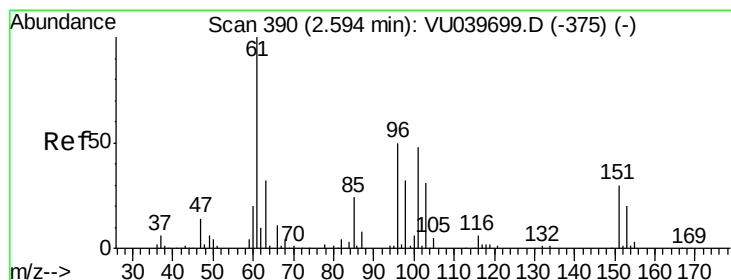
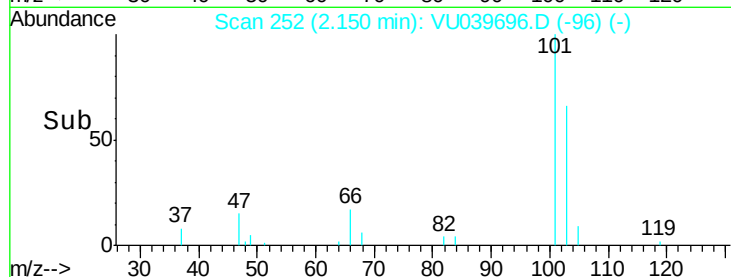
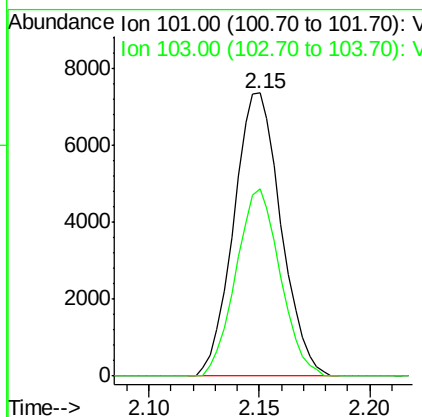
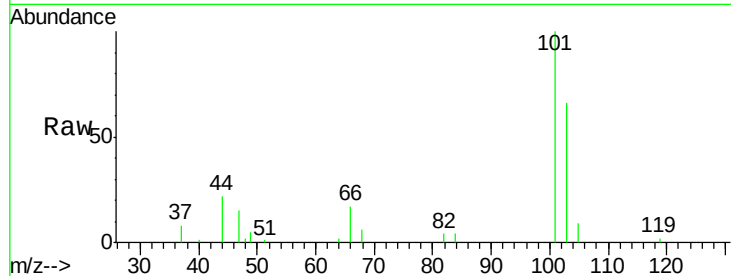
Trichlorofluoromethane
Concen: 1.220 ug/l
RT: 2.15 min Scan# 252
Delta R.T. 0.00 min
Lab File: VU039696.D
Acq: 29 Jul 2020 11:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.2	48.8	73.2

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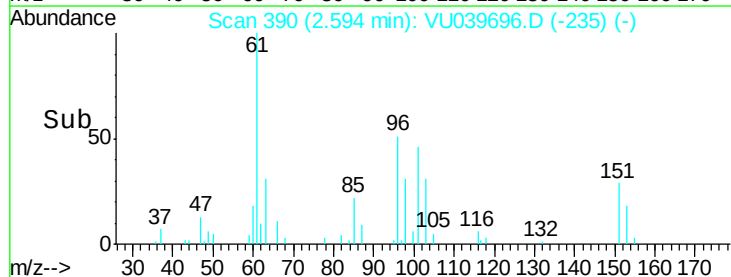
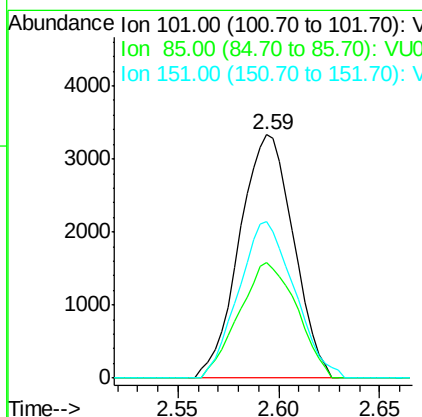
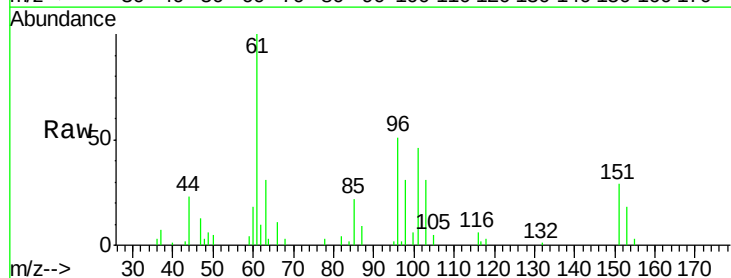
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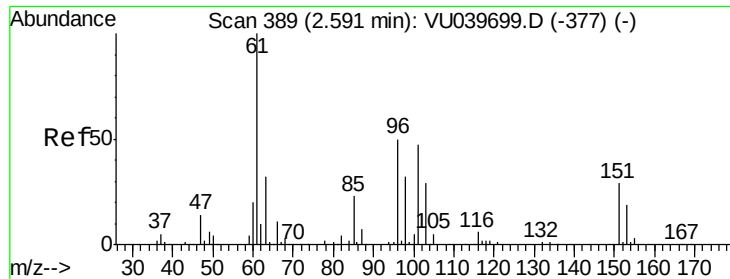


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.136 ug/l
RT: 2.59 min Scan# 390
Delta R.T. -0.00 min
Lab File: VU039696.D
Acq: 29 Jul 2020 11:12

Tgt Ion	Ratio	Lower	Upper
101	100		
85	50.5	39.9	59.9
151	66.2	51.0	76.4





#9

1,1-Dichloroethene

Concen: 1.070 ug/l

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU039696.D

Acq: 29 Jul 2020 11:12

Instrument :

MSVOA_U

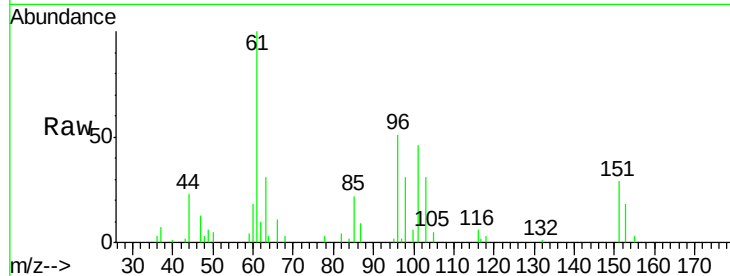
ClientSampleId :

VSTDIC001

Tot Ion:	96	Resp:	5826
Ion	Ratio	Lower	Upper
96	100		
61	197.0	0.0	604.5
98	60.9	0.0	127.2

Manual Integrations
APPROVED

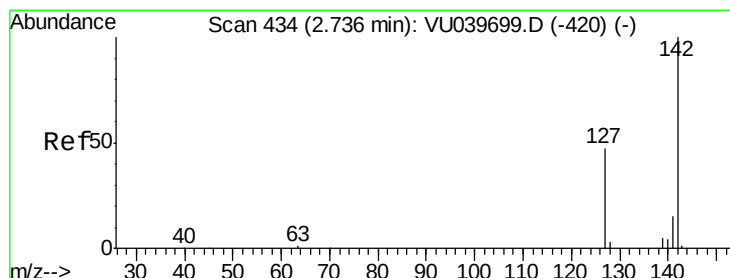
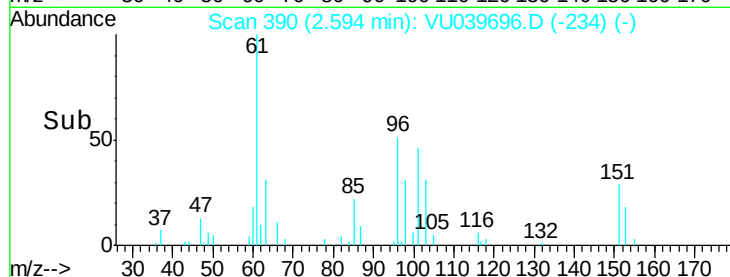
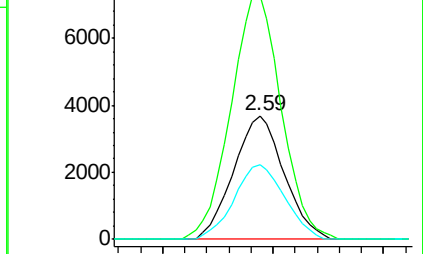
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Abundance Ion 96.00 (95.70 to 96.70): VU039699.D (-377) (-)

Ion 61.00 (60.70 to 61.70): VU039699.D (-377) (-)

Ion 98.00 (97.70 to 98.70): VU039699.D (-377) (-)



#10

Iodomethane

Concen: 1.267 ug/l

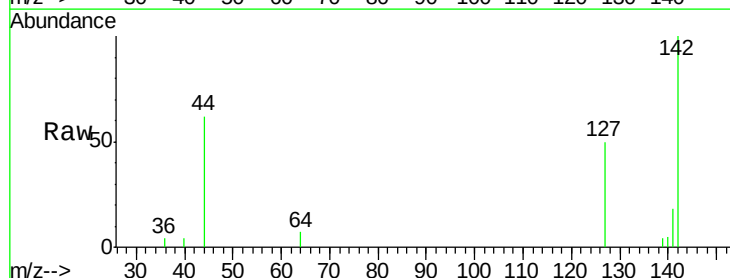
RT: 2.74 min Scan# 434

Delta R.T. -0.00 min

Lab File: VU039696.D

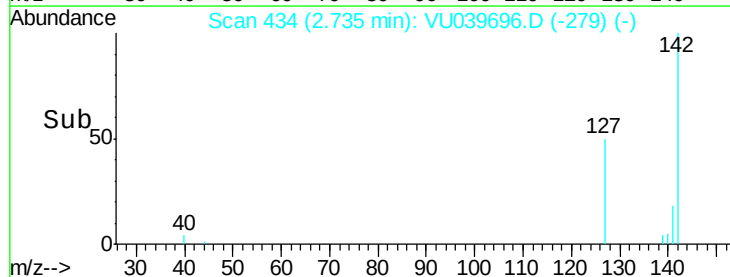
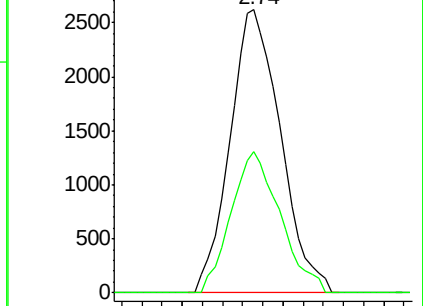
Acq: 29 Jul 2020 11:12

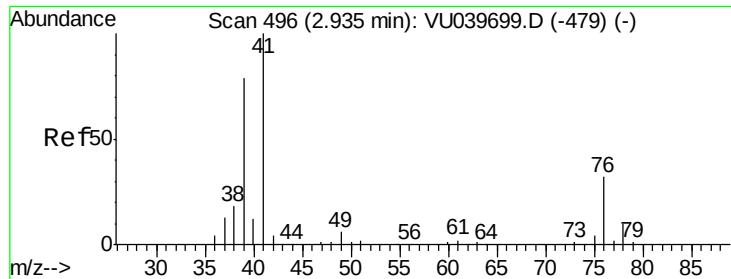
Tgt Ion:	142	Resp:	4589
Ion	Ratio	Lower	Upper
142	100		
127	48.5	38.4	57.6



Abundance Ion 142.00 (141.70 to 142.70): VU039699.D (-420) (-)

Ion 127.00 (126.70 to 127.70): VU039699.D (-420) (-)





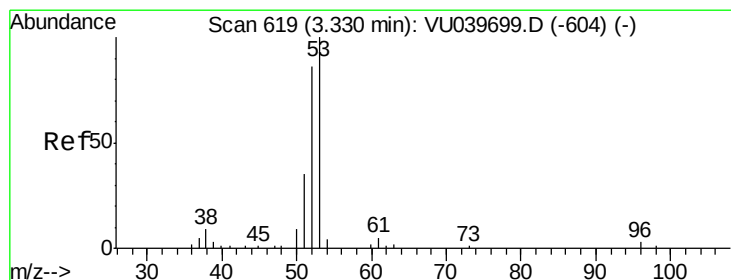
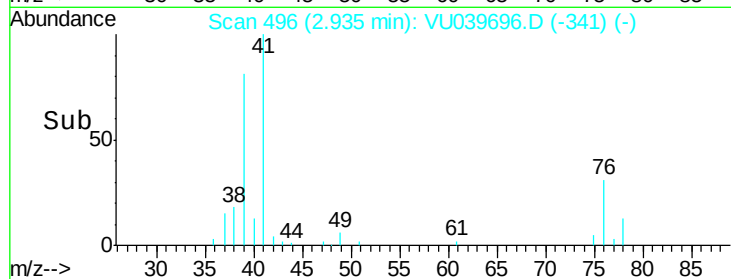
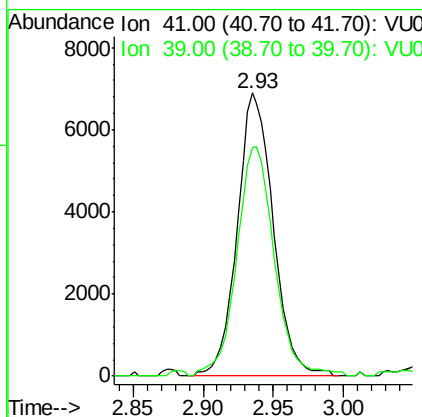
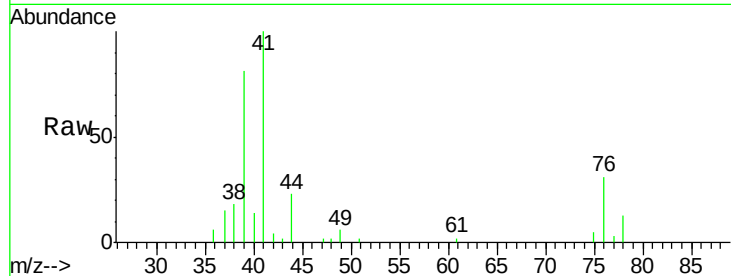
#11
Allvl Chloride
Concen: 1.196 ug/l
RT: 2.93 min Scan# 496
Delta R.T. -0.00 min
Lab File: VU039696.D
Acq: 29 Jul 2020 11:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
39	85.0	64.2	96.2

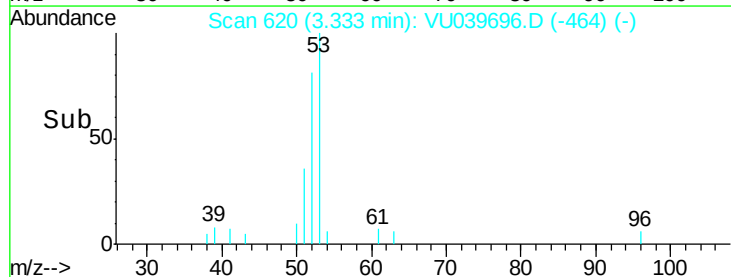
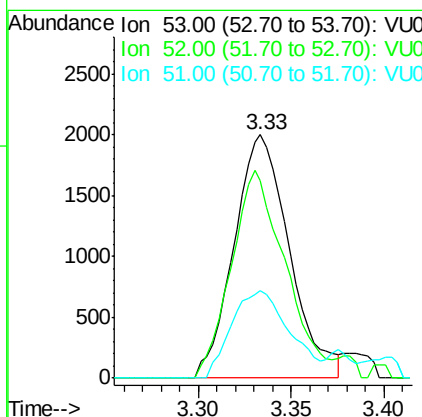
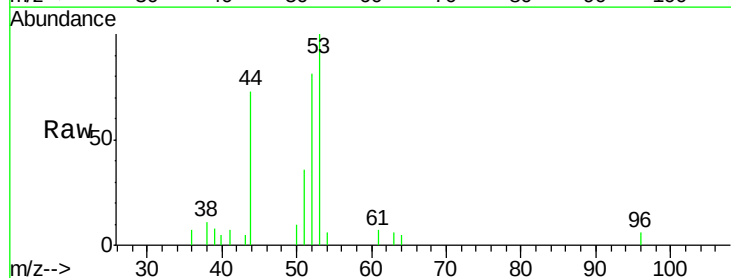
Manual Integrations
APPROVED

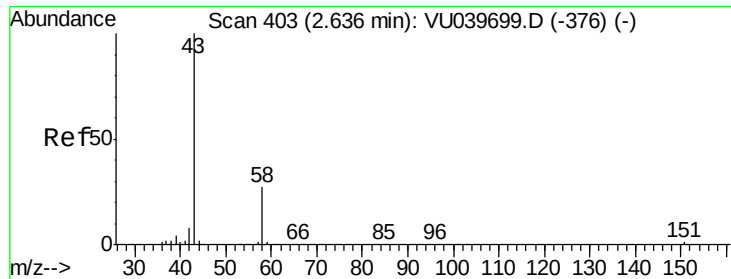
MMDadoda
7/31/2020 3:42:46 PM



#12
Acrylonitrile
Concen: 2.677 ug/l
RT: 3.33 min Scan# 620
Delta R.T. 0.00 min
Lab File: VU039696.D
Acq: 29 Jul 2020 11:12

Tgt Ion	Ratio	Lower	Upper
53	100		
52	83.3	69.1	103.7
51	37.6	29.4	44.2





#13

Acetone

Concen: 7.365 ug/l

RT: 2.64 min Scan# 403

Delta R.T. -0.00 min

Lab File: VU039696.D

Acq: 29 Jul 2020 11:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 9431

Ion Ratio Lower Upper

43 100

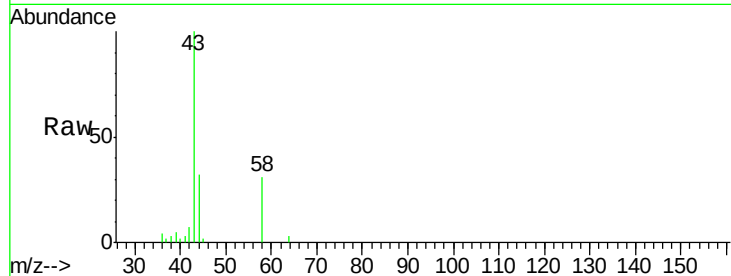
58 31.6 21.8 32.6

Manual Integrations

APPROVED

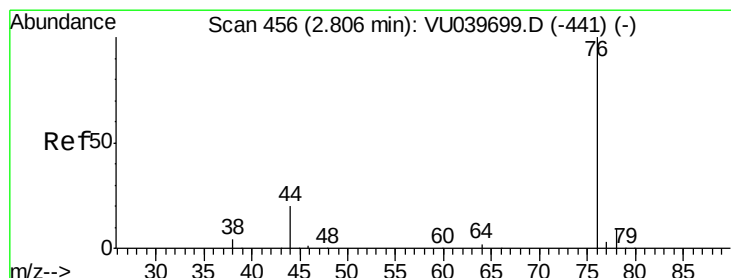
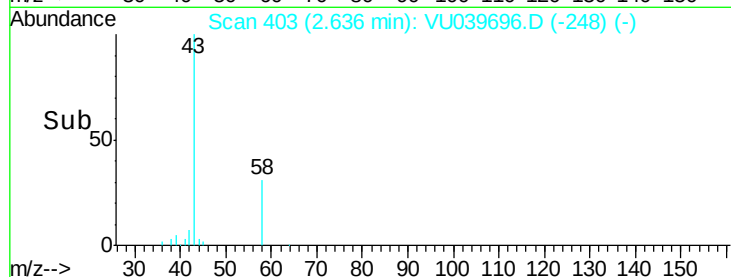
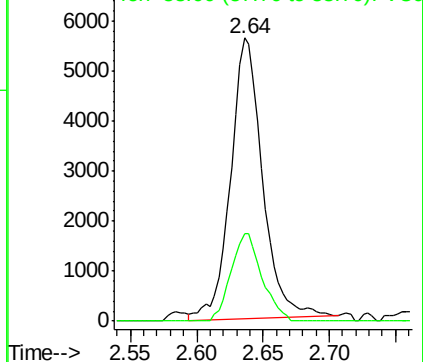
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#14

Carbon Disulfide

Concen: 1.051 ug/l

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU039696.D

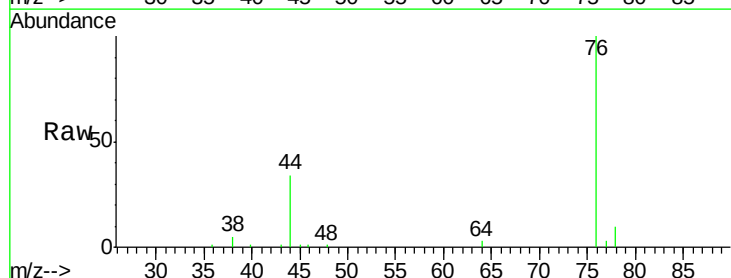
Acq: 29 Jul 2020 11:12

Tgt Ion: 76 Resp: 20897

Ion Ratio Lower Upper

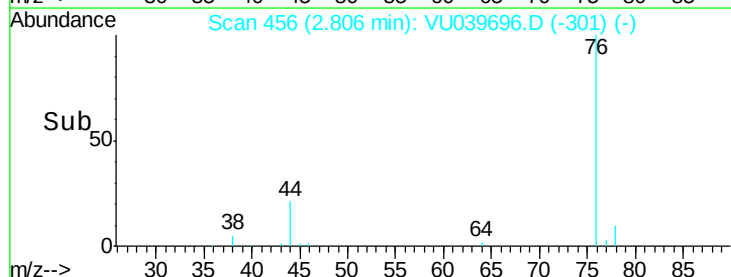
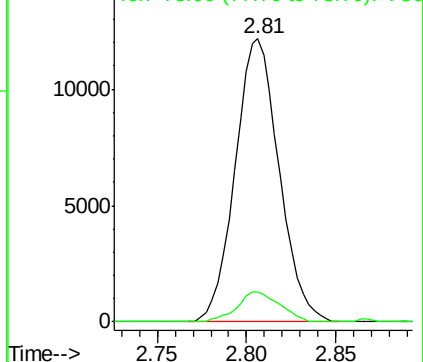
76 100

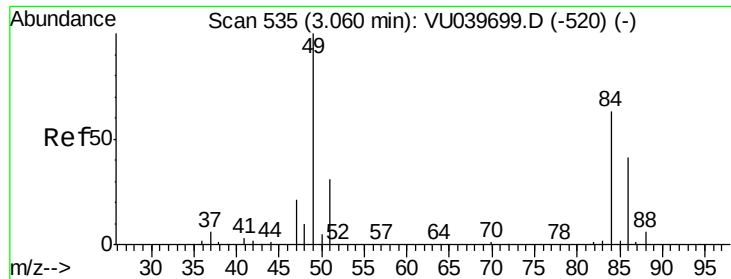
78 10.5 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0





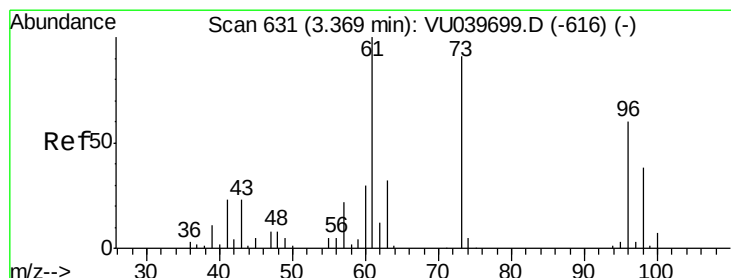
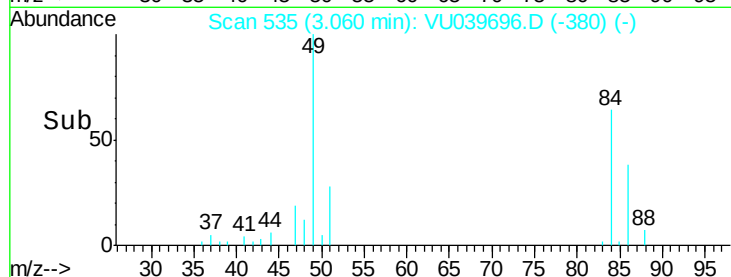
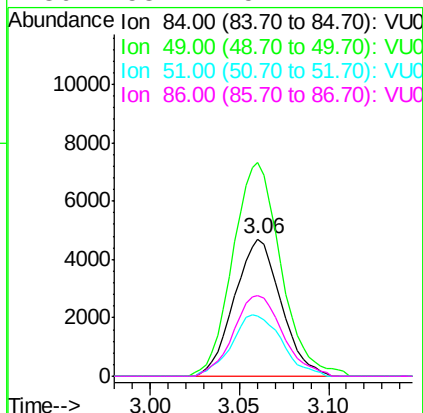
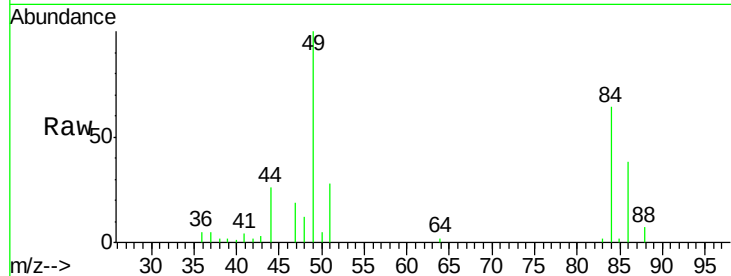
#15
Methylene Chloride
Concen: 1.134 ug/l
RT: 3.06 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU039696.D
Acq: 29 Jul 2020 11:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	84	Resp	8563
Ion	Ratio	Lower	Upper
84	100		
49	155.5	126.8	190.2
51	43.5	0.0	97.2
86	58.7	51.4	77.2

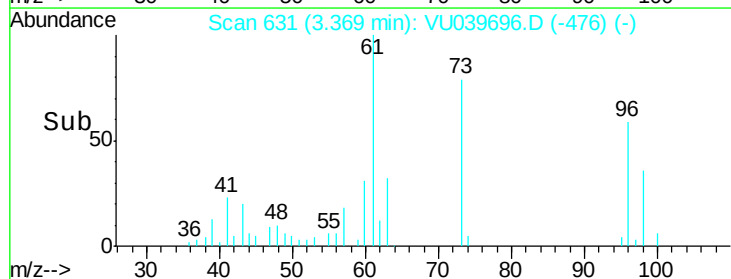
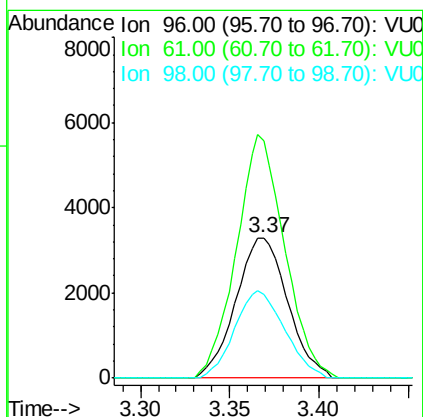
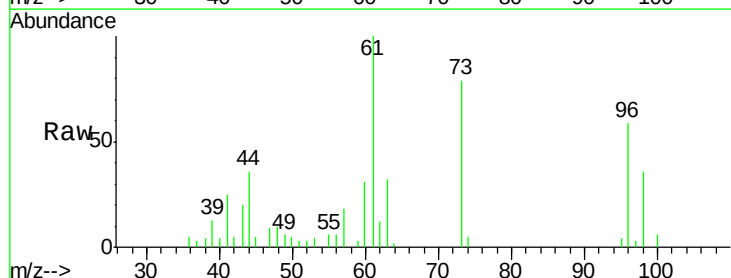
Manual Integrations
APPROVED

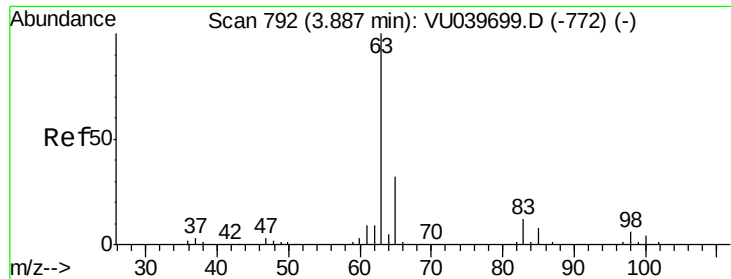
MMDadoda
7/31/2020 3:42:46 PM



#16
trans-1,2-Dichloroethene
Concen: 1.114 ug/l
RT: 3.37 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU039696.D
Acq: 29 Jul 2020 11:12

Tgt Ion	96	Resp	6654
Ion	Ratio	Lower	Upper
96	100		
61	169.0	132.6	199.0
98	60.0	50.2	75.2





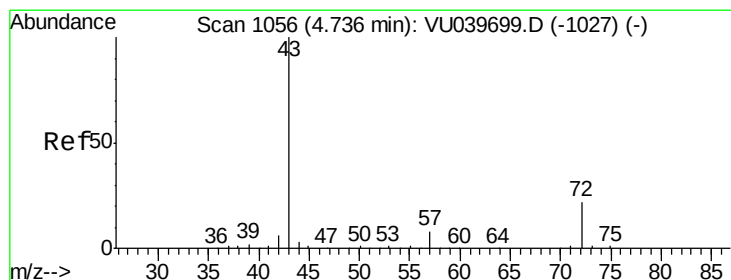
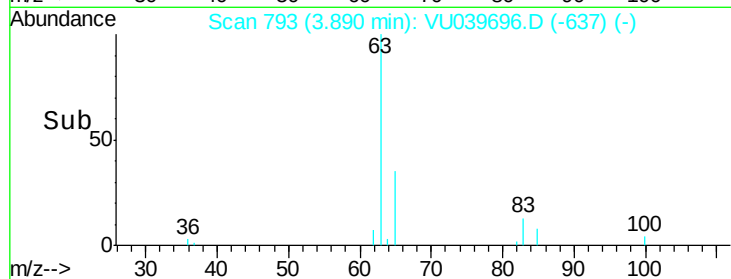
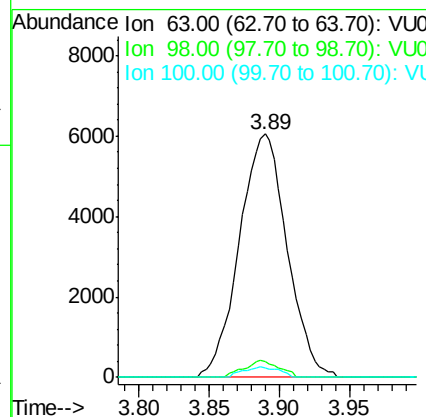
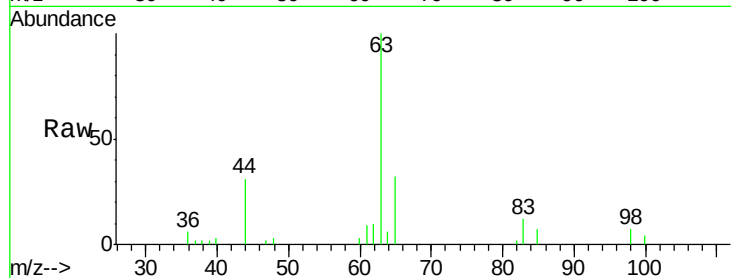
#17
 1,1-Dichloroethane
 Concen: 1.225 ug/l
 RT: 3.89 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VU039696.D
 Acq: 29 Jul 2020 11:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion:	63	Resp:	14285
Ion	Ratio	Lower	Upper
63	100		
98	6.6	2.9	8.7
100	3.9	2.0	6.0

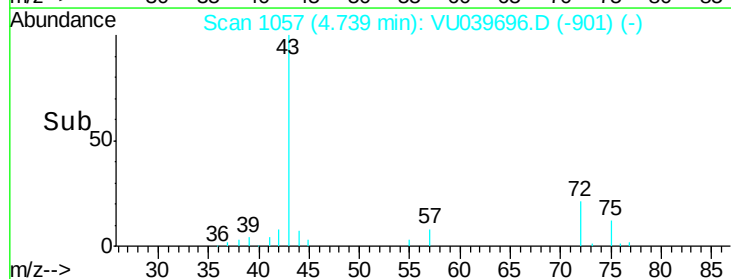
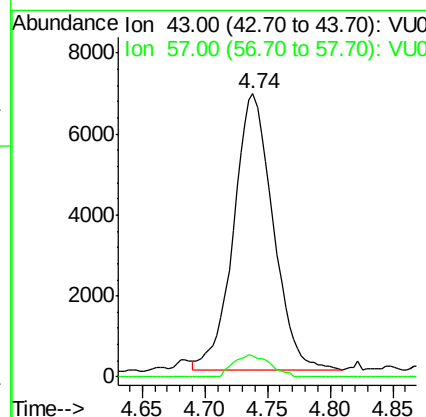
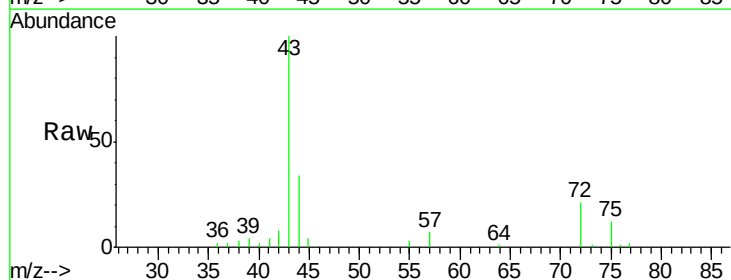
Manual Integrations
 APPROVED

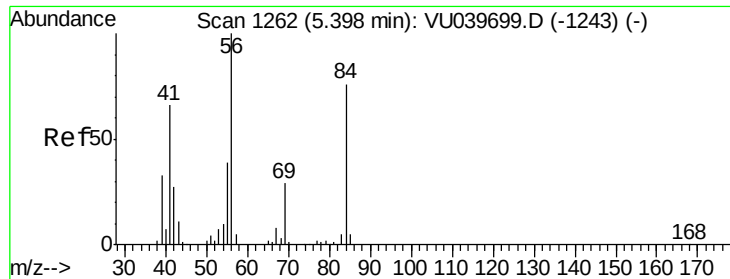
MMDadoda
 7/31/2020 3:42:46 PM



#18
 2-Butanone
 Concen: 7.516 ug/l
 RT: 4.74 min Scan# 1057
 Delta R.T. 0.00 min
 Lab File: VU039696.D
 Acq: 29 Jul 2020 11:12

Tgt Ion:	43	Resp:	14850
Ion	Ratio	Lower	Upper
43	100		
57	7.7	0.0	15.2





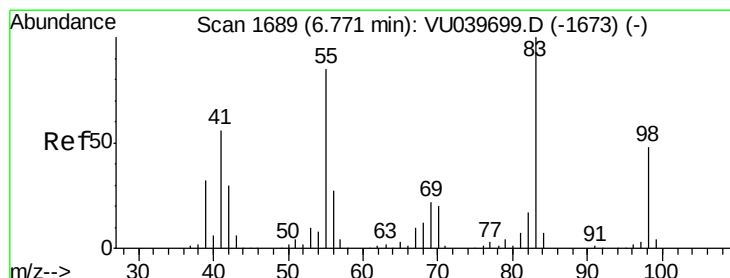
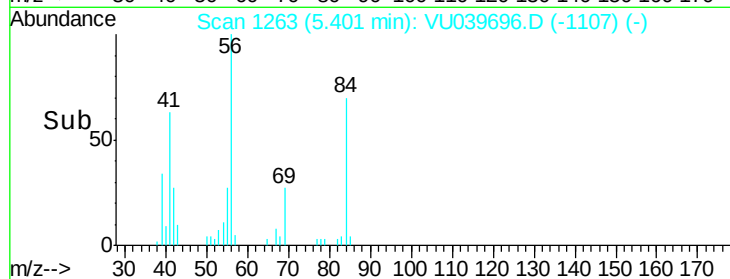
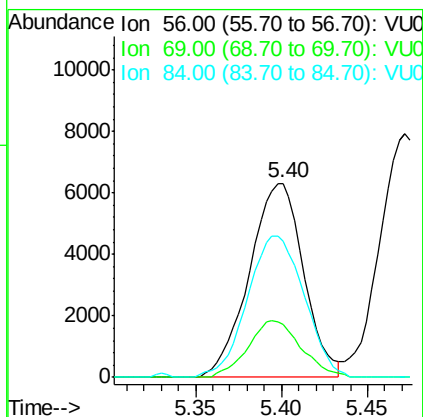
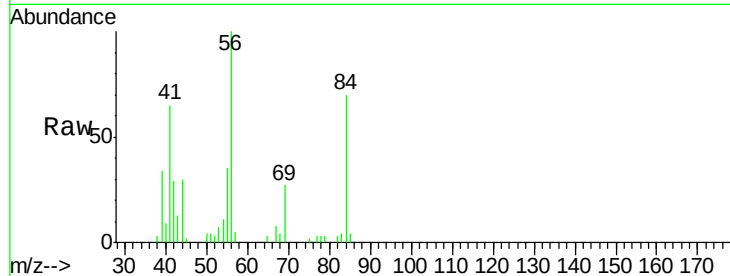
#19
Cyclohexane
Concen: 1.230 ug/l m
RT: 5.40 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VU039696.D
Acq: 29 Jul 2020 11:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.6	22.8	34.2
84	76.2	59.9	89.9

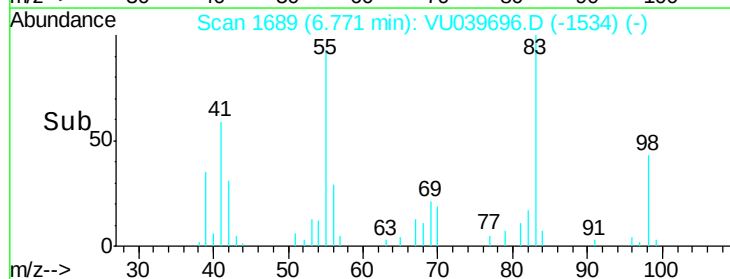
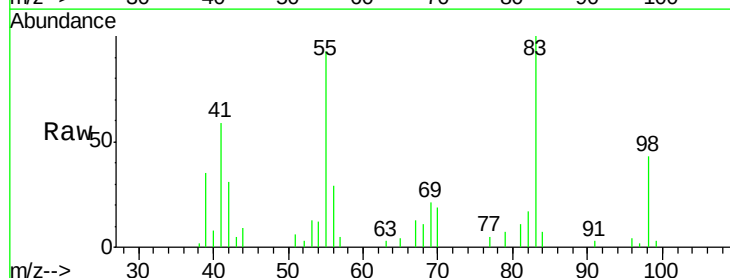
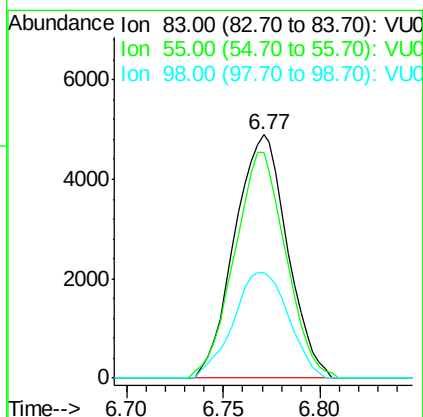
Manual Integrations
APPROVED

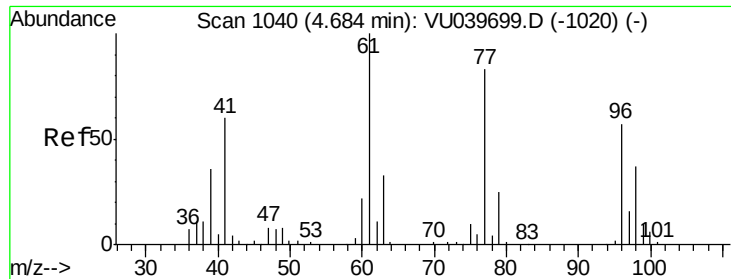
MMDadoda
7/31/2020 3:42:46 PM



#20
Methylcyclohexane
Concen: 0.872 ug/l
RT: 6.77 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VU039696.D
Acq: 29 Jul 2020 11:12

Tgt Ion	Ratio	Lower	Upper
83	100		
55	90.5	67.6	101.4
98	45.7	37.3	55.9





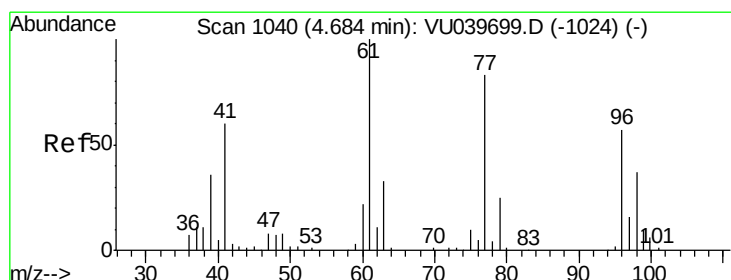
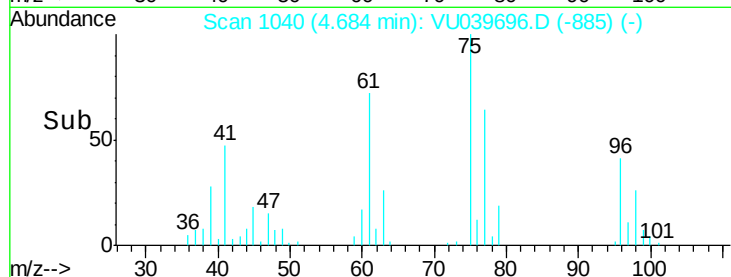
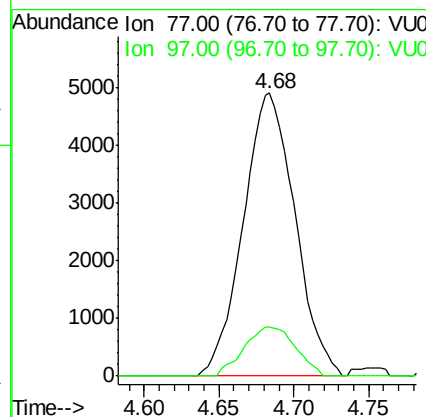
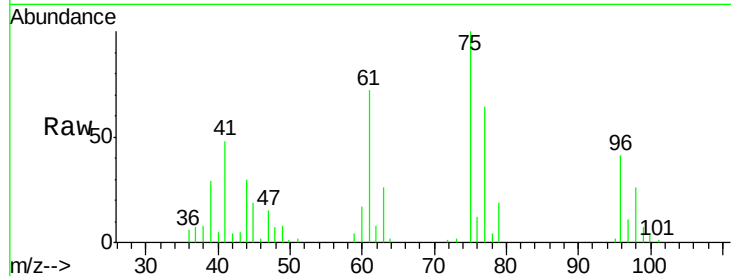
#21
 2,2-Dichloropropane
 Concen: 1.228 ug/l
 RT: 4.68 min Scan# 1040
 Delta R.T. -0.00 min
 Lab File: VU039696.D
 Acq: 29 Jul 2020 11:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion: 77 Resp: 11837
 Ion Ratio Lower Upper
 77 100
 97 17.3 15.2 22.8

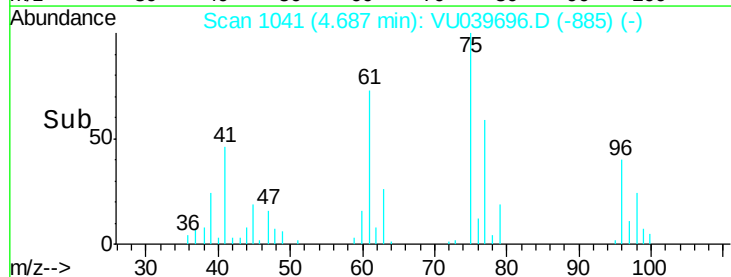
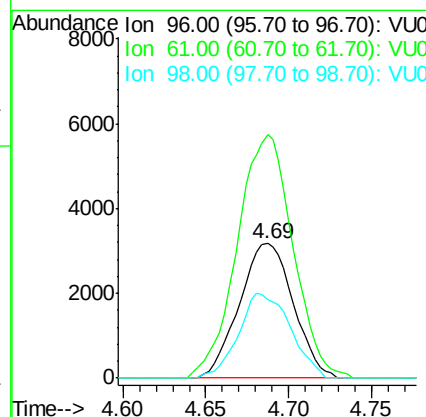
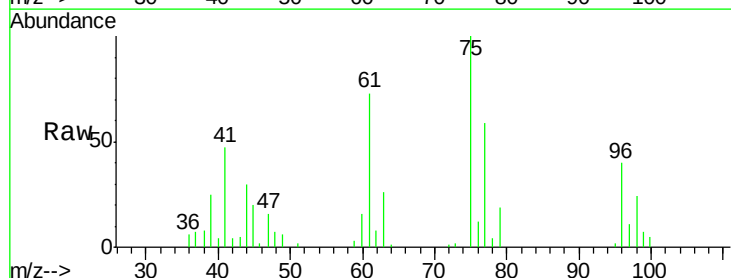
Manual Integrations
 APPROVED

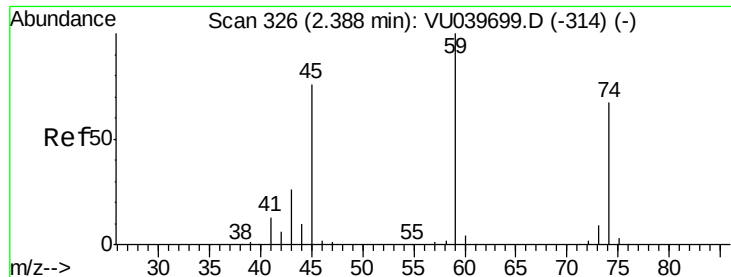
MMDadoda
 7/31/2020 3:42:46 PM



#22
 cis-1,2-Dichloroethene
 Concen: 1.137 ug/l
 RT: 4.69 min Scan# 1041
 Delta R.T. 0.00 min
 Lab File: VU039696.D
 Acq: 29 Jul 2020 11:12

Tgt Ion: 96 Resp: 7199
 Ion Ratio Lower Upper
 96 100
 61 186.4 0.0 451.3
 98 60.5 32.6 98.0





#23

Diethyl Ether

Concen: 1.149 ug/l

RT: 2.39 min Scan# 326

Delta R.T. -0.00 min

Lab File: VU039696.D

Acq: 29 Jul 2020 11:12

Instrument :

MSVOA_U

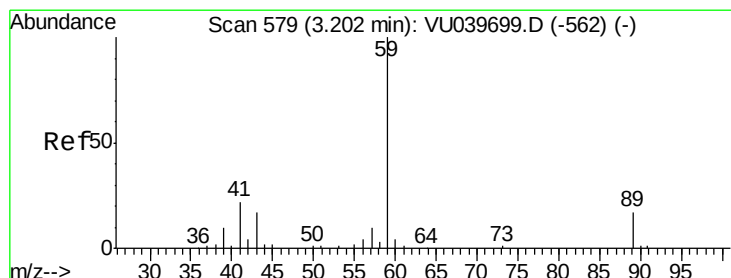
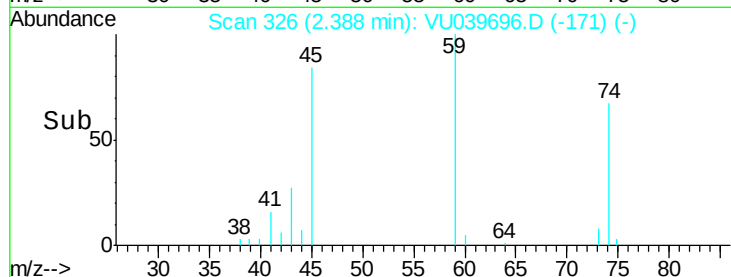
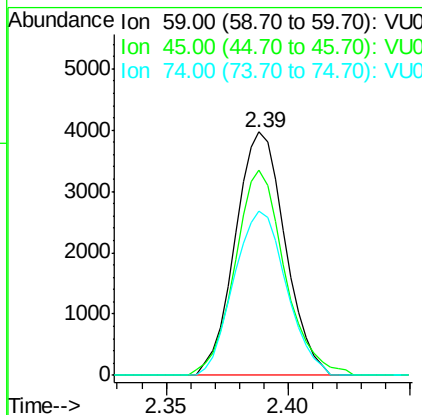
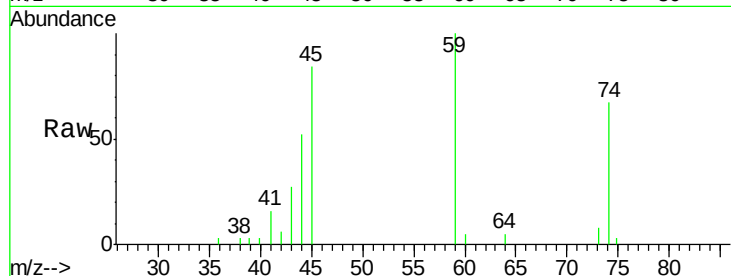
ClientSampleId :

VSTDIC001

Tot Ion:	59	Resp:	5610
Ion	Ratio	Lower	Upper
59	100		
45	84.4	61.5	92.3
74	71.0	54.3	81.5

Manual Integrations
APPROVED

MMDadoda
7/31/2020 3:42:46 PM



#24

tert-Butyl Alcohol

Concen: 23.923 ug/l

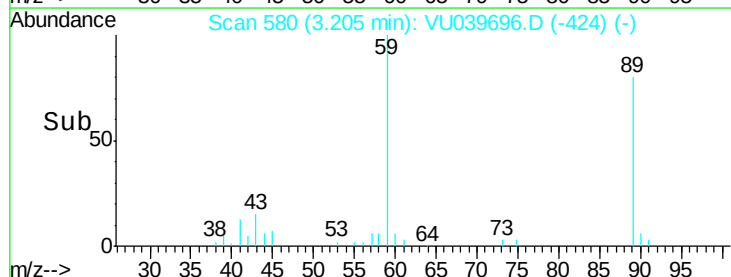
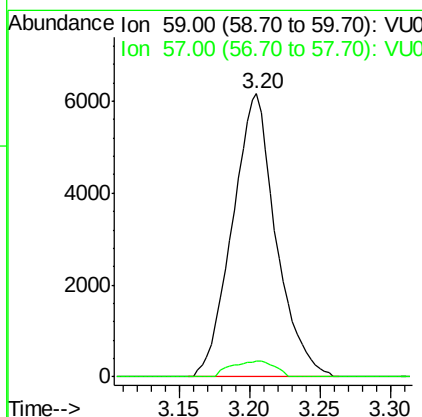
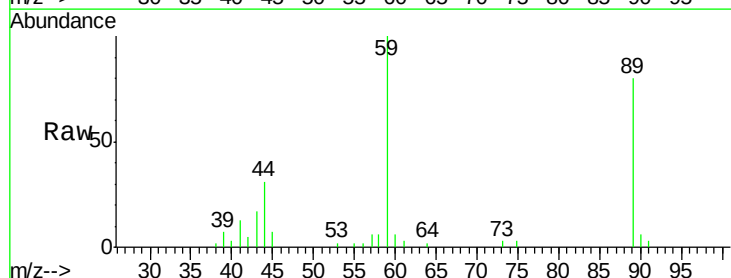
RT: 3.20 min Scan# 580

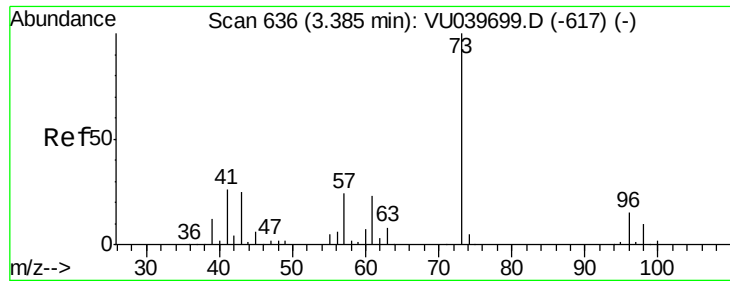
Delta R.T. 0.00 min

Lab File: VU039696.D

Acq: 29 Jul 2020 11:12

Tgt Ion:	59	Resp:	13311
Ion	Ratio	Lower	Upper
59	100		
57	5.6	7.8	11.6#





#25

Methyl tert-Butyl Ether

Concen: 1.210 ug/l

RT: 3.38 min Scan# 636

Delta R.T. -0.00 min

Lab File: VU039696.D

Acq: 29 Jul 2020 11:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 73 Resp: 18632

Ion Ratio Lower Upper

73 100

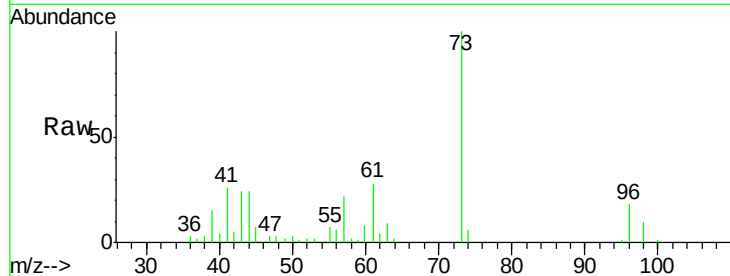
43 25.0 20.1 30.1

Manual Integrations

APPROVED

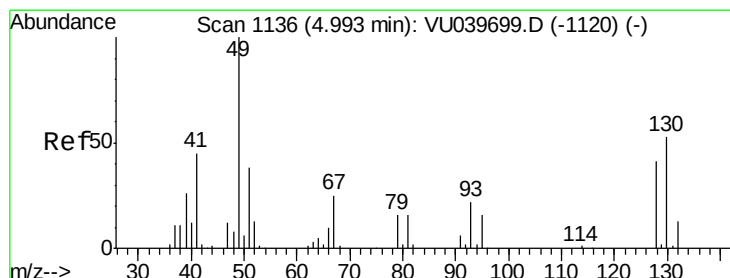
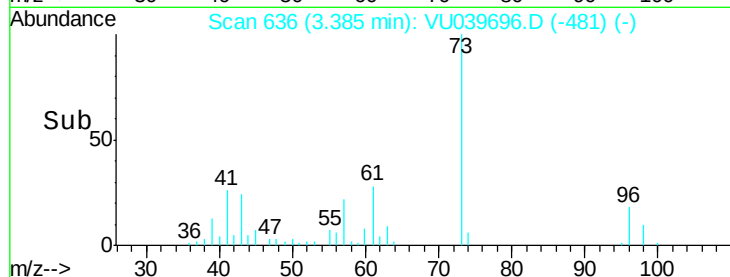
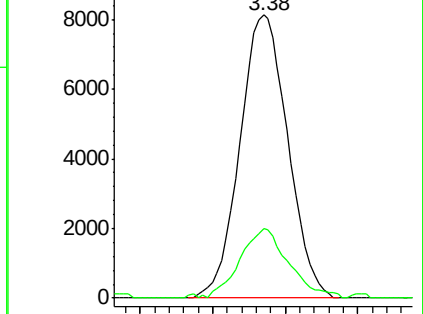
MMDadoda

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Abundance Ion 73.00 (72.70 to 73.70): VU039699.D (-617) (-)

Ion 43.00 (42.70 to 43.70): VU039699.D (-617) (-)



#26

Bromochloromethane

Concen: 1.122 ug/l

RT: 4.99 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VU039696.D

Acq: 29 Jul 2020 11:12

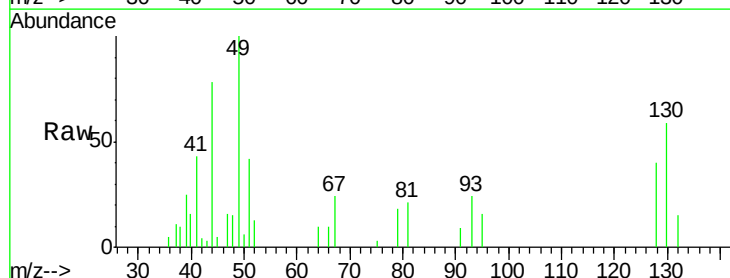
Tgt Ion: 128 Resp: 2864

Ion Ratio Lower Upper

128 100

49 241.1 0.0 503.8

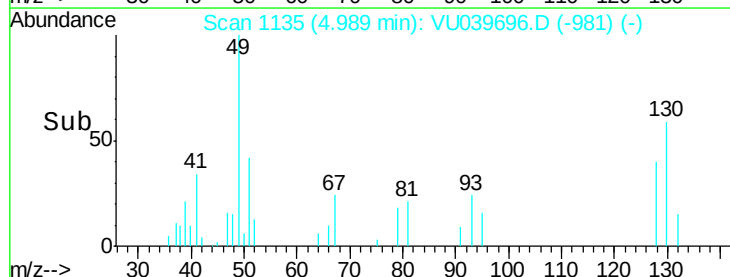
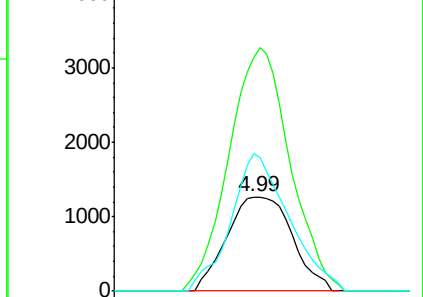
130 129.3 102.7 154.1

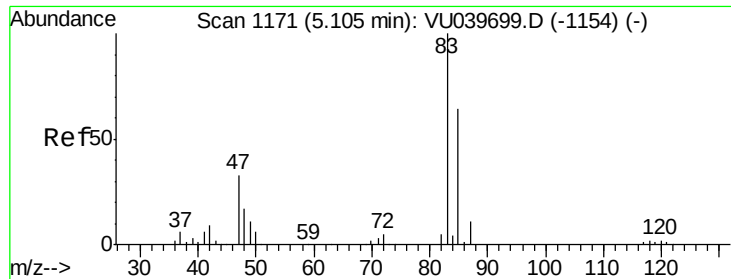


Abundance Ion 128.00 (127.70 to 128.70): VU039699.D (-1120) (-)

Ion 49.00 (48.70 to 49.70): VU039699.D (-1120) (-)

Ion 130.00 (129.70 to 130.70): VU039699.D (-1120) (-)





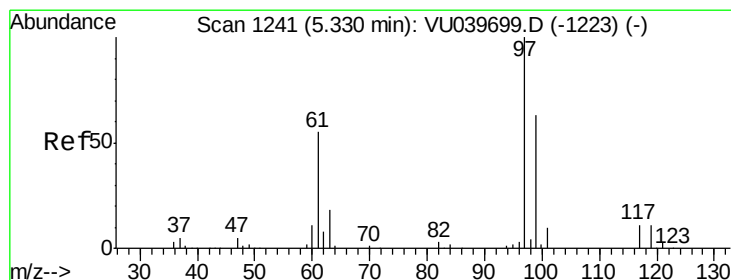
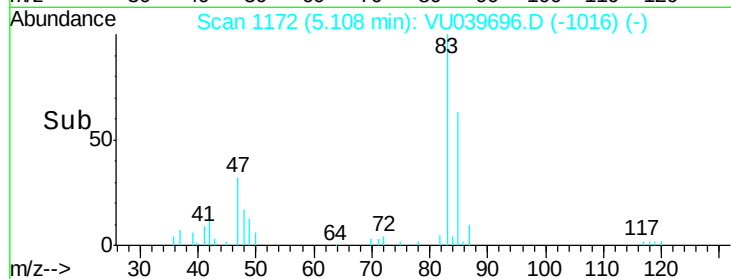
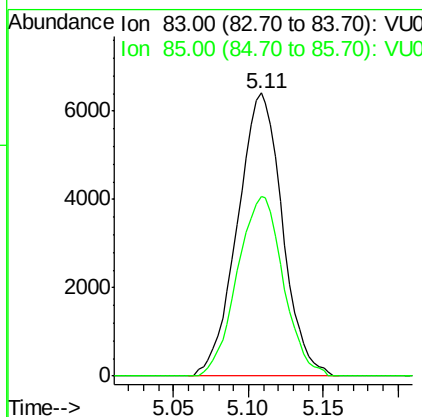
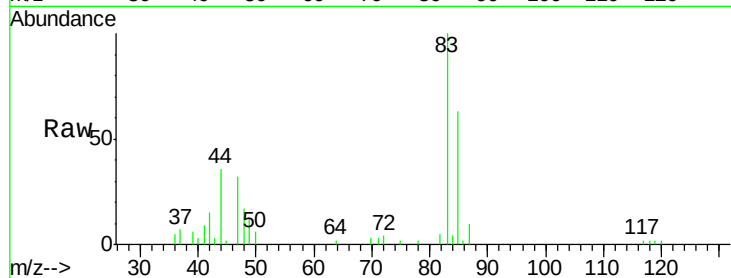
#27
Chloroform
Concen: 1.228 ug/l
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU039696.D
Acq: 29 Jul 2020 11:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	83	Resp	13384
Ion Ratio	100	Lower	Upper
85	63.3	0.0	128.8

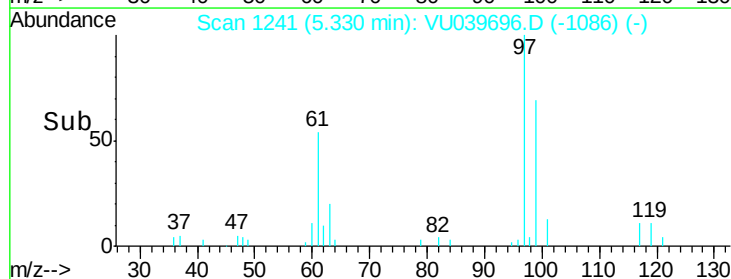
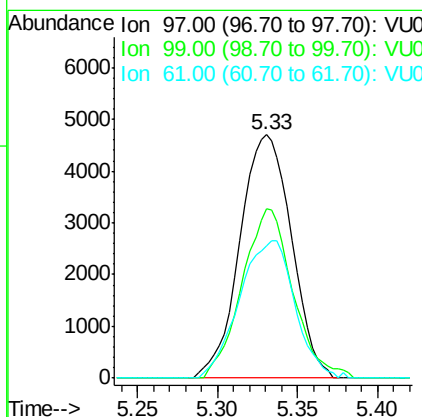
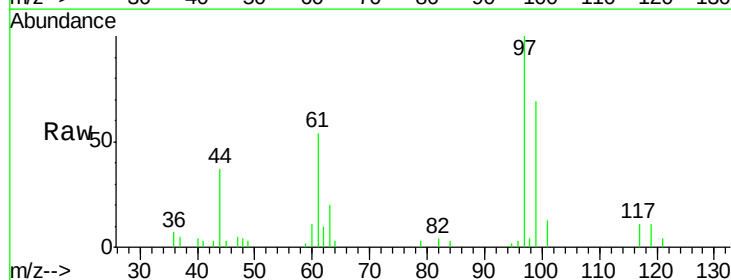
Manual Integrations
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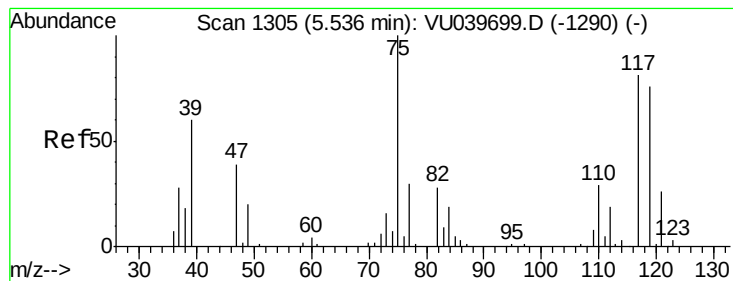
MMDadoda
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#28
1,1,1-Trichloroethane
Concen: 1.164 ug/l
RT: 5.33 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VU039696.D
Acq: 29 Jul 2020 11:12

Tgt Ion	97	Resp	10403
Ion Ratio	100	Lower	Upper
99	68.5	32.2	96.6
61	60.7	28.3	85.0





#29

1,1-Dichloropropene

Concen: 1.180 ug/l

RT: 5.54 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU039696.D

Acq: 29 Jul 2020 11:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 75 Resp: 10516
Ion Ratio Lower Upper

75 100

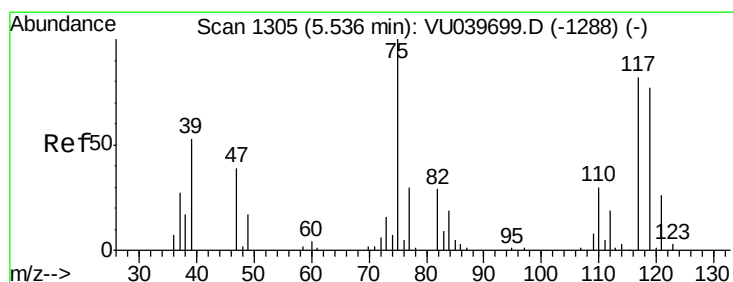
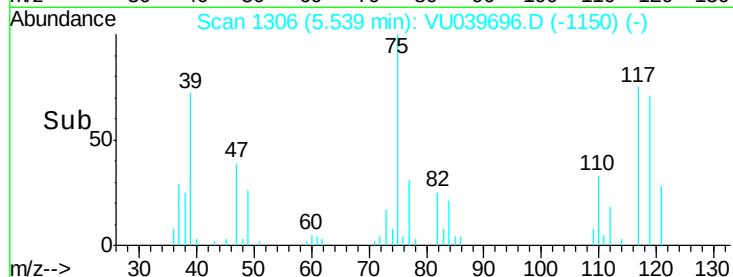
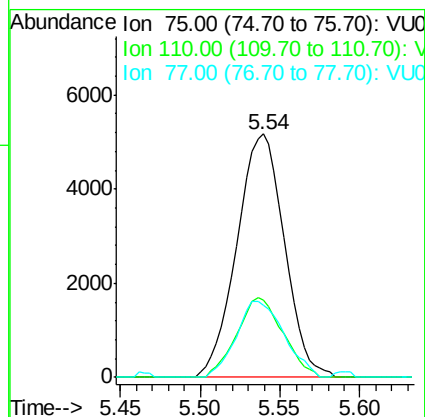
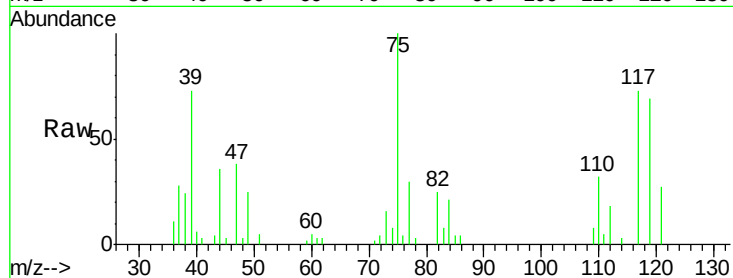
110 31.7 14.6 44.0

77 31.5 25.0 37.4

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#30

Carbon Tetrachloride

Concen: 1.169 ug/l

RT: 5.54 min Scan# 1305

Delta R.T. -0.00 min

Lab File: VU039696.D

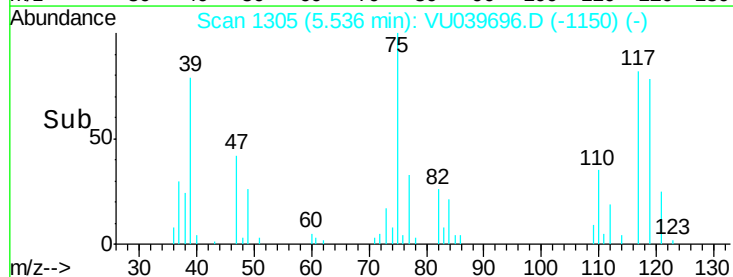
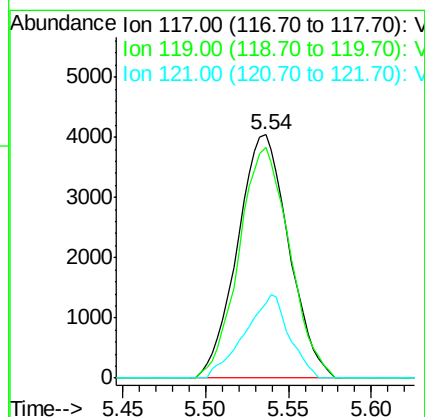
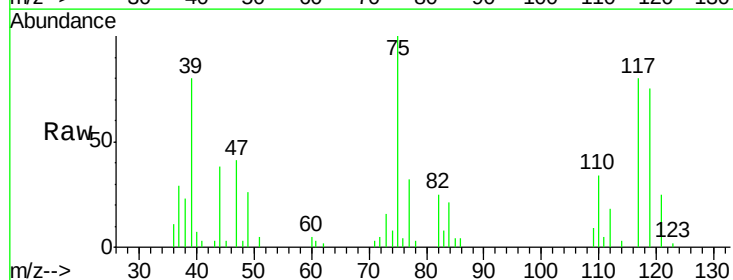
Acq: 29 Jul 2020 11:12

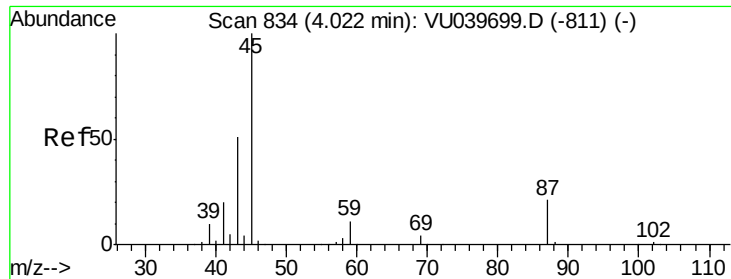
Tgt Ion: 117 Resp: 8713
Ion Ratio Lower Upper

117 100

119 94.7 75.2 112.8

121 30.8 25.4 38.2





#31

Isopropyl Ether

Concen: 1.311 ug/l

RT: 4.02 min Scan# 834

Delta R.T. -0.00 min

Lab File: VU039696.D

Acq: 29 Jul 2020 11:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 45 Resp: 25610

Ion Ratio Lower Upper

45 100

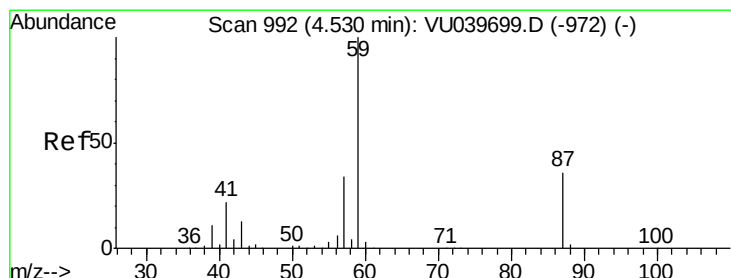
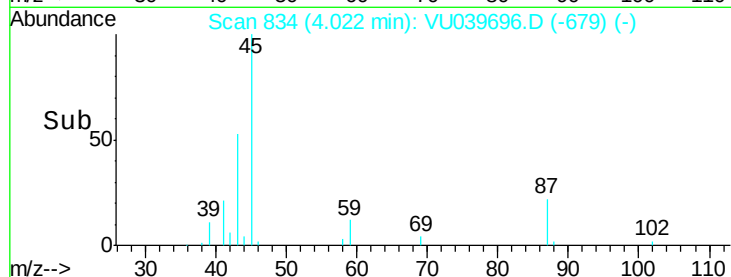
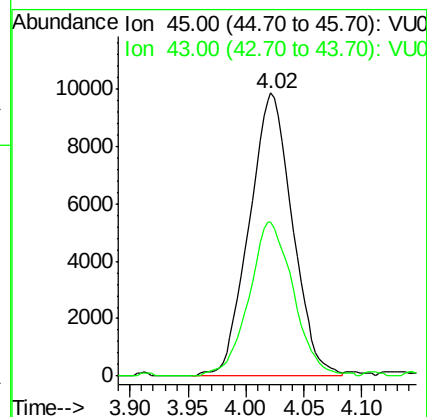
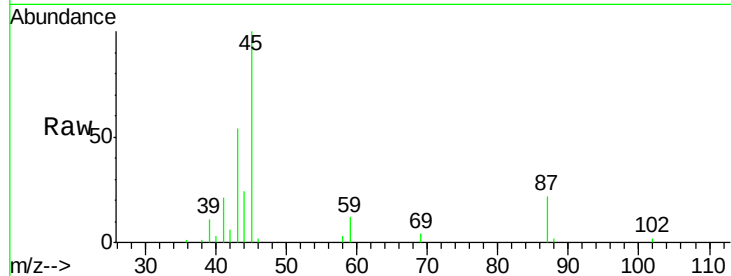
43 55.9 26.5 79.4

Manual Integrations

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#32

Ethyl-t-butyl ether

Concen: 1.278 ug/l

RT: 4.53 min Scan# 992

Delta R.T. -0.00 min

Lab File: VU039696.D

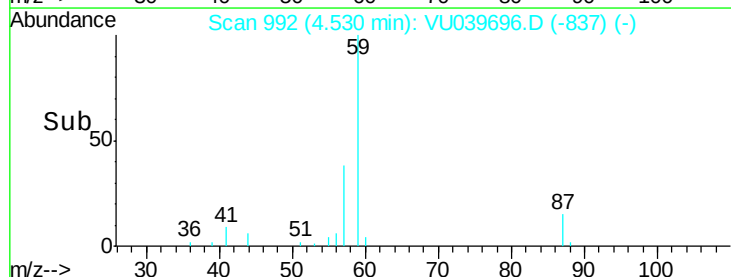
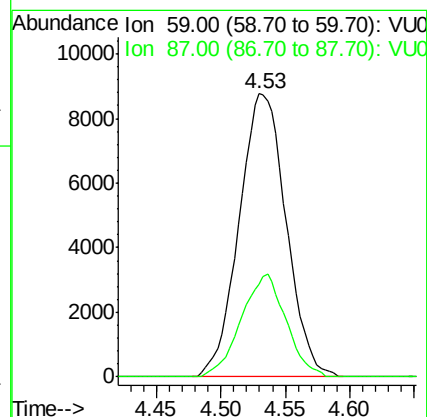
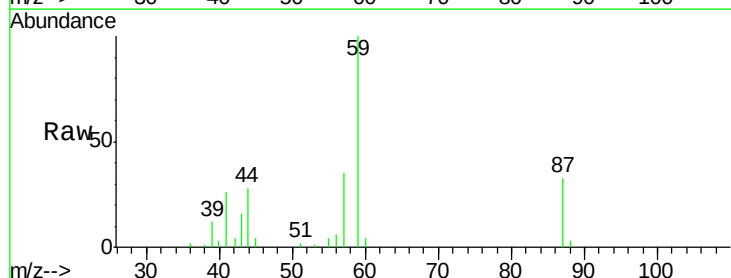
Acq: 29 Jul 2020 11:12

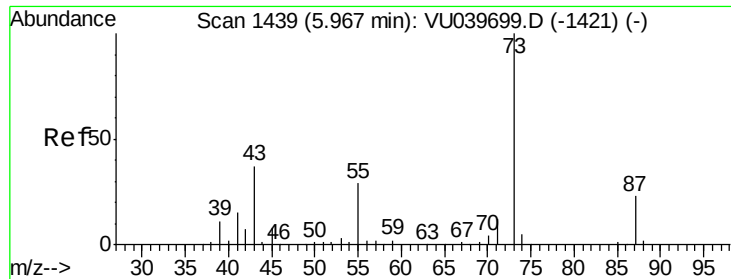
Tgt Ion: 59 Resp: 22254

Ion Ratio Lower Upper

59 100

87 34.5 29.4 44.0





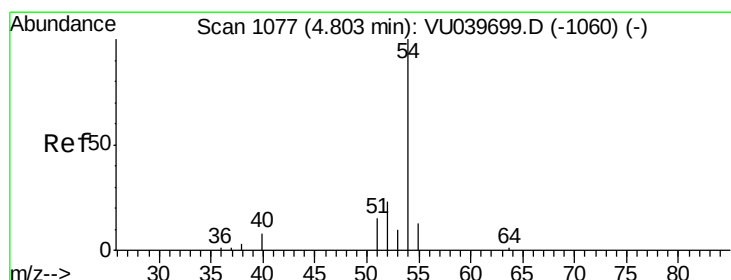
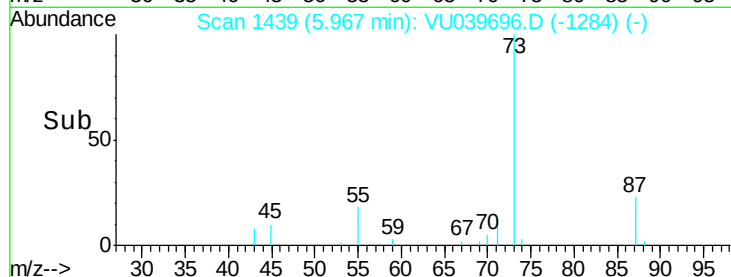
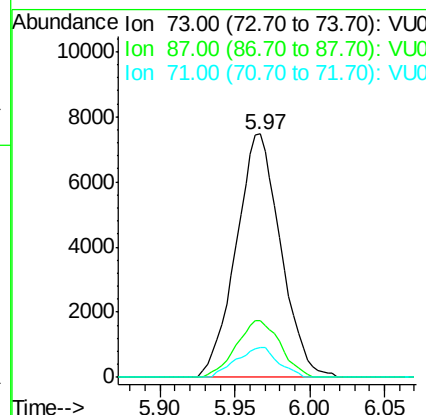
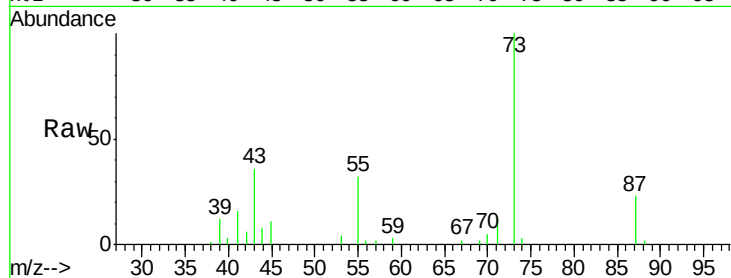
#33
Tert-Butyl methyl ether
Concen: 1.062 ug/l
RT: 5.97 min Scan# 1439
Delta R.T. -0.00 min
Lab File: VU039696.D
Acq: 29 Jul 2020 11:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
73	100		
87	23.0	18.7	28.1
71	11.5	9.1	13.7

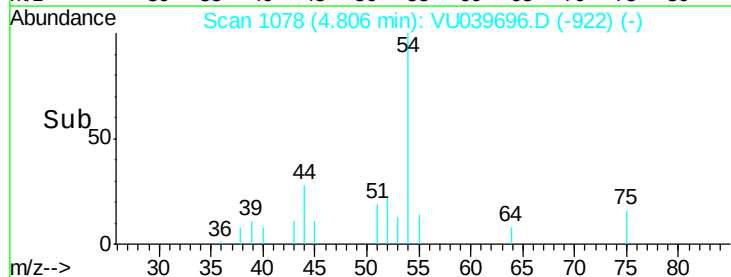
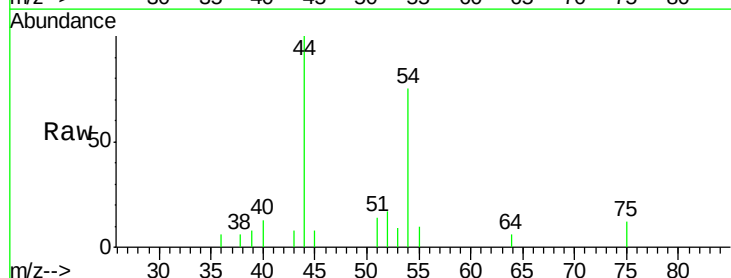
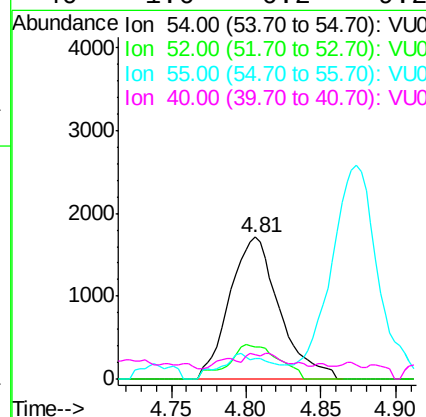
Manual Integrations
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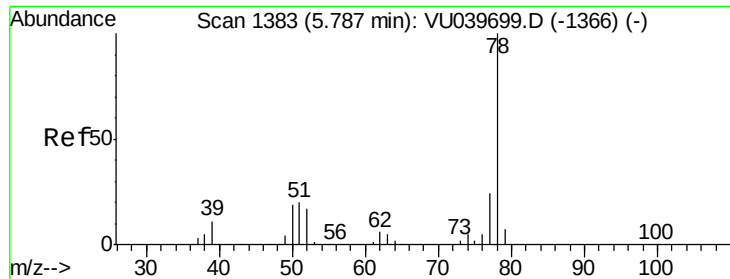
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#34
Propionitrile
Concen: 7.216 ug/l
RT: 4.81 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VU039696.D
Acq: 29 Jul 2020 11:12

Tgt Ion	Ratio	Lower	Upper
54	100		
52	24.2	16.9	25.3
55	17.3	12.9	19.3
40	1.6	6.2	9.2





#35

Benzene

Concen: 1.013 ug/l

RT: 5.79 min Scan# 1383

Delta R.T. -0.00 min

Lab File: VU039696.D

Acq: 29 Jul 2020 11:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 78 Resp: 24787

Ion Ratio Lower Upper

78 100

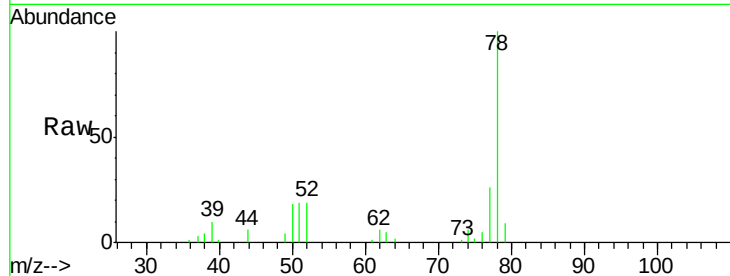
77 26.1 19.2 28.8

Manual Integrations

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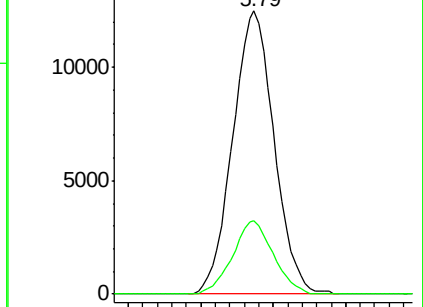
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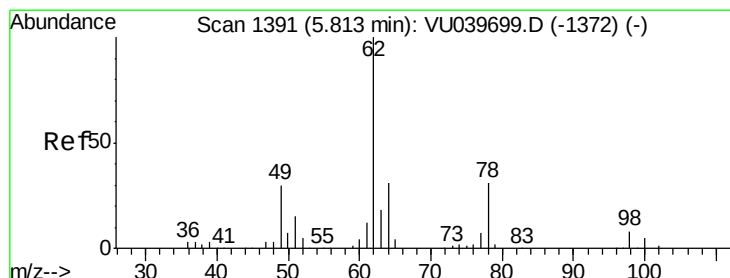
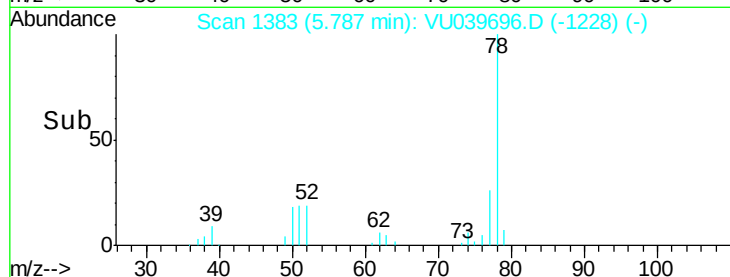


Abundance Ion 78.10 (77.80 to 78.80): VU039699.D (-1366) (-)

Ion 77.00 (76.70 to 77.70): VU039699.D (-1366) (-)



Time-->



#36

1,2-Dichloroethane

Concen: 1.268 ug/l

RT: 5.82 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VU039696.D

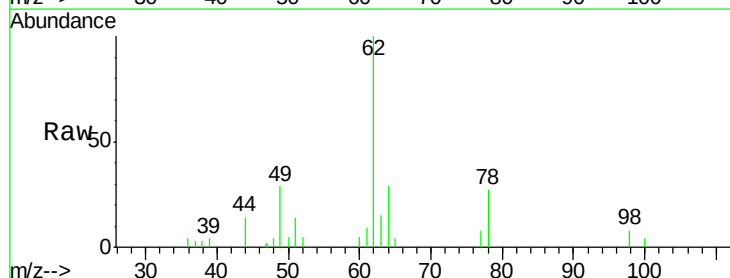
Acq: 29 Jul 2020 11:12

Tgt Ion: 62 Resp: 9599

Ion Ratio Lower Upper

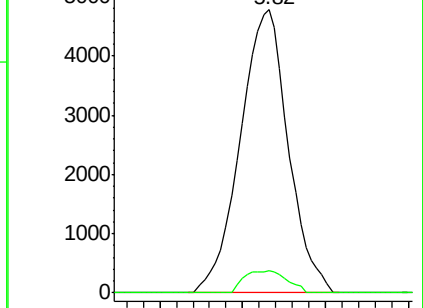
62 100

98 7.0 6.2 9.2

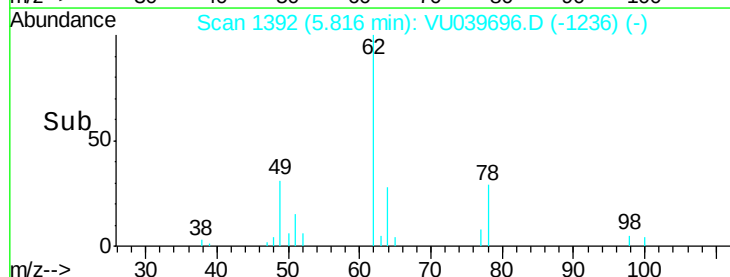


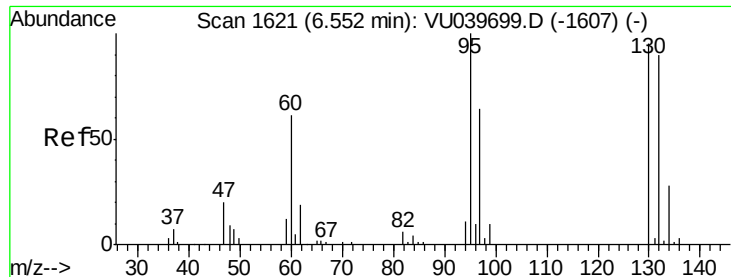
Abundance Ion 62.00 (61.70 to 62.70): VU039699.D (-1372) (-)

Ion 98.00 (97.70 to 98.70): VU039699.D (-1372) (-)



Time-->





#37

Trichloroethene

Concen: 0.956 ug/l

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU039696.D

Acq: 29 Jul 2020 11:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:130 Resp: 6054

Ion Ratio Lower Upper

130 100

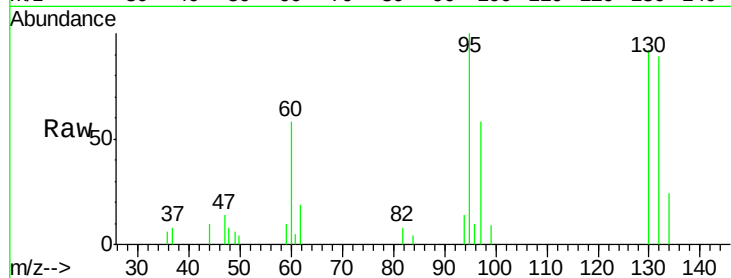
95 108.3 84.3 126.5

Manual Integrations

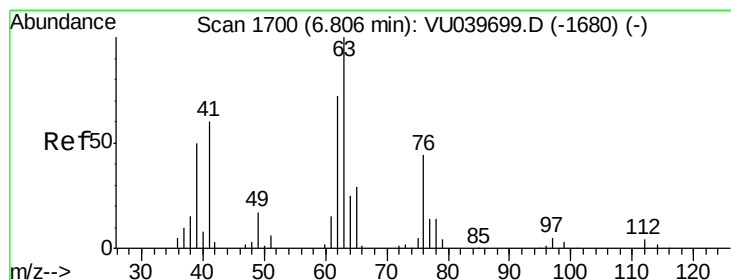
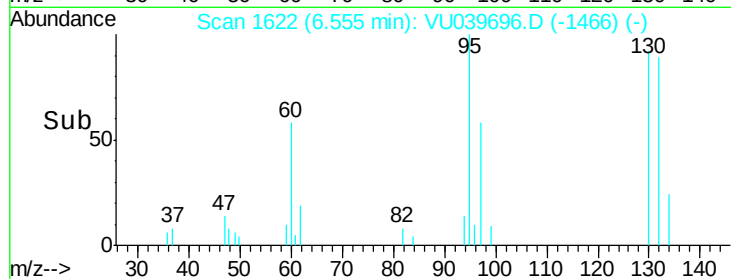
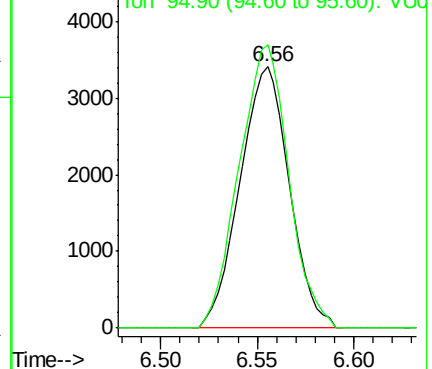
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Abundance Ion 129.90 (129.60 to 130.60): VU039699.D (-1607) (-)



#38

1,2-Dichloropropane

Concen: 1.028 ug/l

RT: 6.81 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VU039696.D

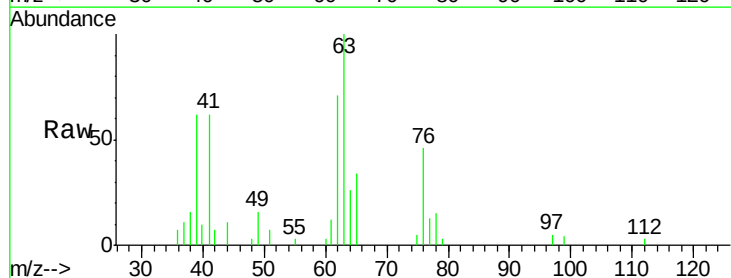
Acq: 29 Jul 2020 11:12

Tgt Ion: 63 Resp: 6863

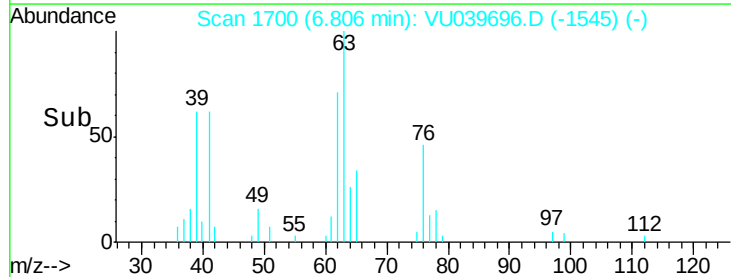
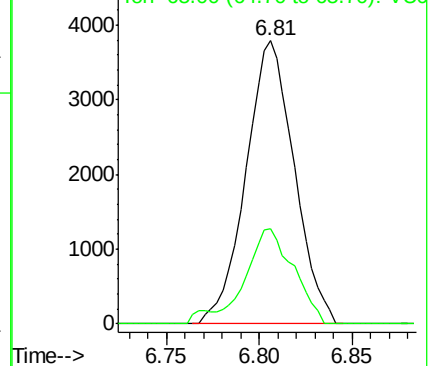
Ion Ratio Lower Upper

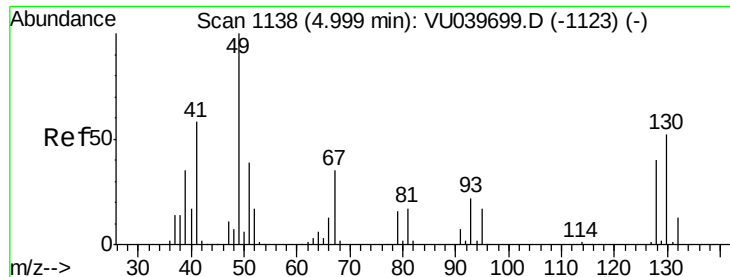
63 100

65 33.7 23.8 35.6



Abundance Ion 63.00 (62.70 to 63.70): VU039699.D (-1680) (-)





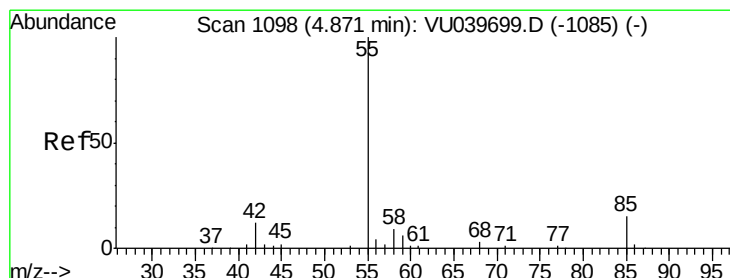
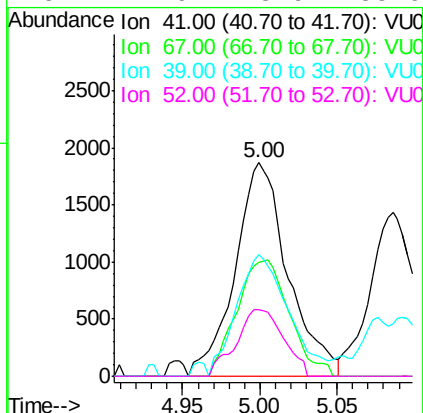
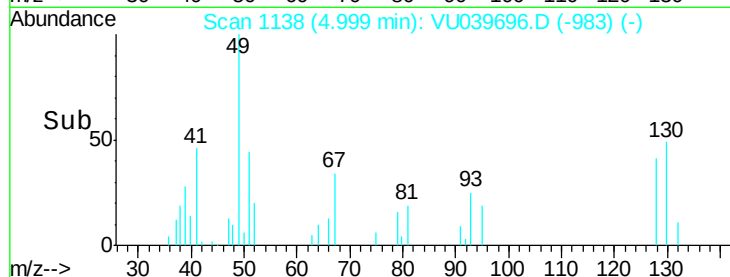
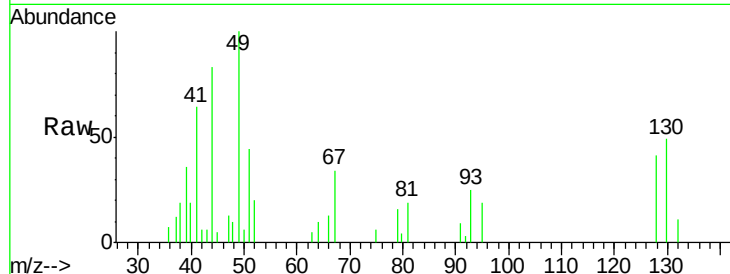
#39
Methacrylonitrile
Concen: 1.717 ug/l
RT: 5.00 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VU039696.D
Acq: 29 Jul 2020 11:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion:	41	Resp:	4449
Ion	Ratio	Lower	Upper
41	100		
67	54.0	48.3	72.5
39	55.9	47.6	71.4
52	27.9	23.9	35.9

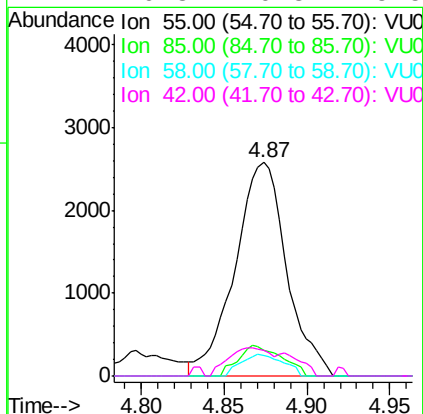
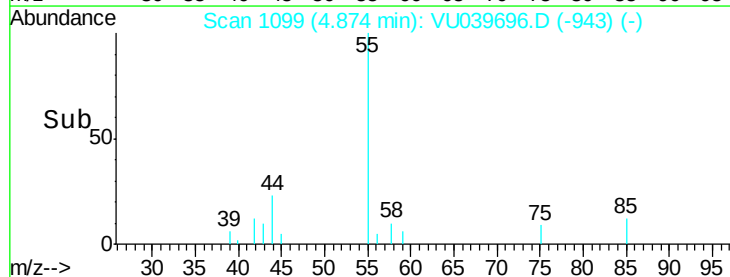
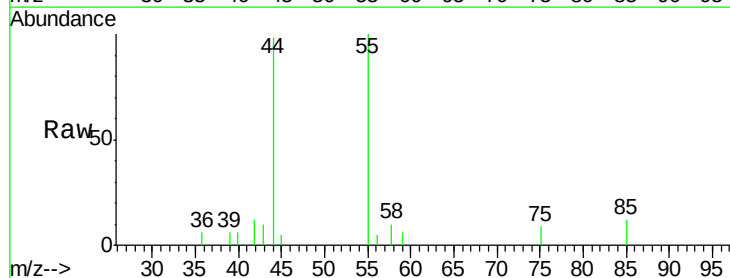
Manual Integrations
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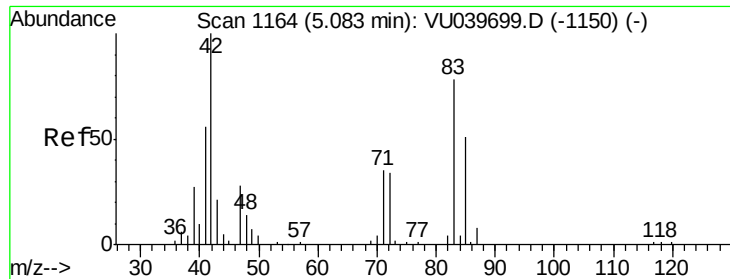
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#40
Methyl acrylate
Concen: 1.486 ug/l
RT: 4.87 min Scan# 1099
Delta R.T. 0.00 min
Lab File: VU039696.D
Acq: 29 Jul 2020 11:12

Tgt Ion:	55	Resp:	5592
Ion	Ratio	Lower	Upper
55	100		
85	12.0	11.4	17.0
58	8.2	7.4	11.0
42	10.8	10.3	15.5





#41

Tetrahydrofuran

Concen: 3.744 ug/l

RT: 5.09 min Scan# 1167

Delta R.T. 0.01 min

Lab File: VU039696.D

Acq: 29 Jul 2020 11:12

Instrument :

MSVOA_U

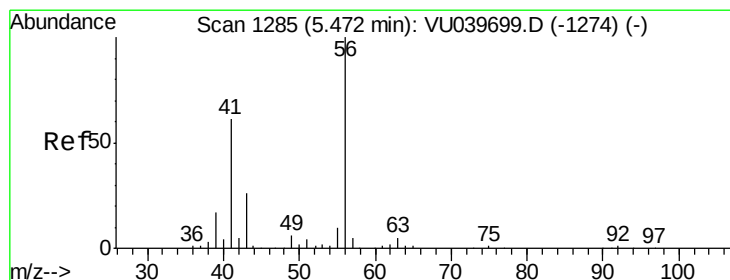
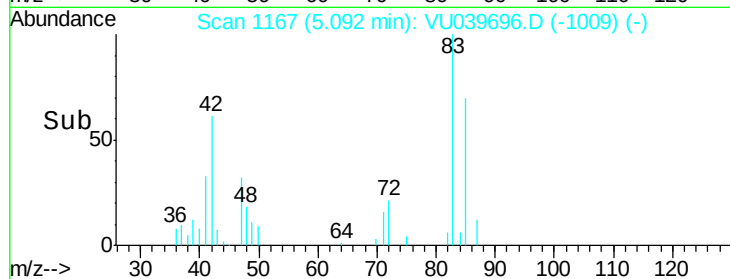
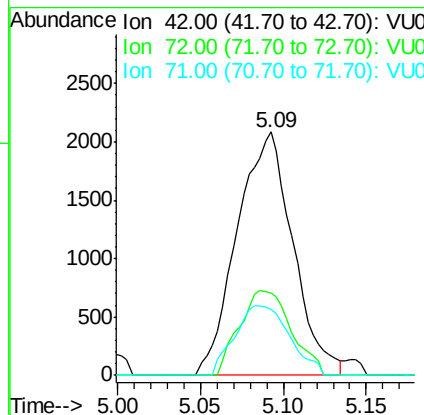
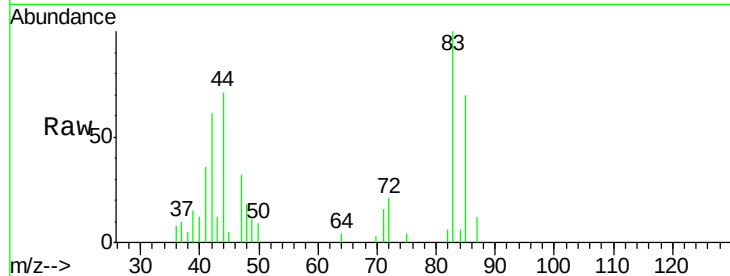
ClientSampleId :

VSTDIC001

Tot Ion:	42	Resp:	4877
Ion	Ratio	Lower	Upper
42	100		
72	32.3	31.0	46.6
71	28.1	28.2	42.4#

Manual Integrations
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#42

1-Chlorobutane

Concen: 1.237 ug/l

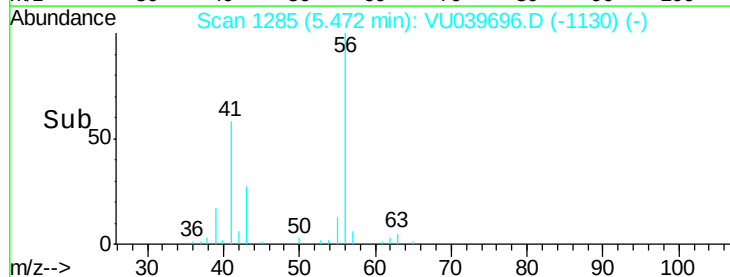
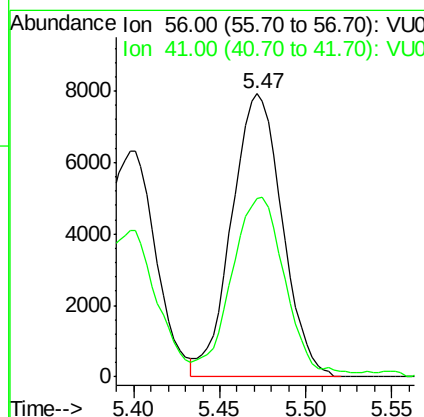
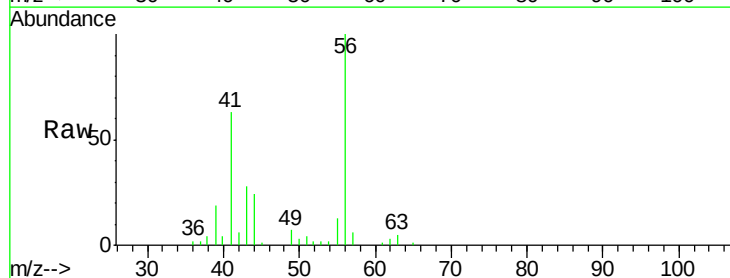
RT: 5.47 min Scan# 1285

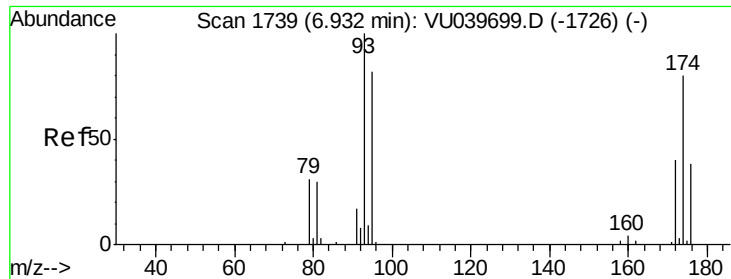
Delta R.T. -0.00 min

Lab File: VU039696.D

Acq: 29 Jul 2020 11:12

Tgt Ion:	56	Resp:	16174
Ion	Ratio	Lower	Upper
56	100		
41	64.6	30.5	91.5





#43

Dibromomethane

Concen: 1.294 ug/l

RT: 6.93 min Scan# 1739

Delta R.T. -0.00 min

Lab File: VU039696.D

Acq: 29 Jul 2020 11:12

Instrument :

MSVOA_U

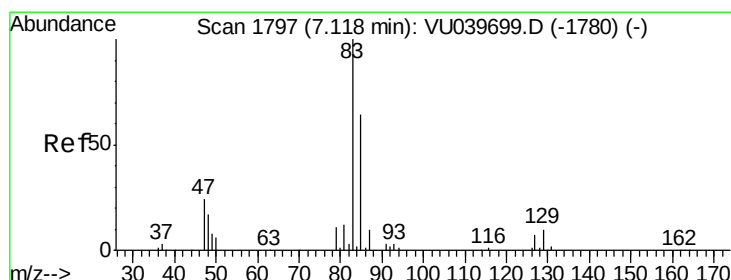
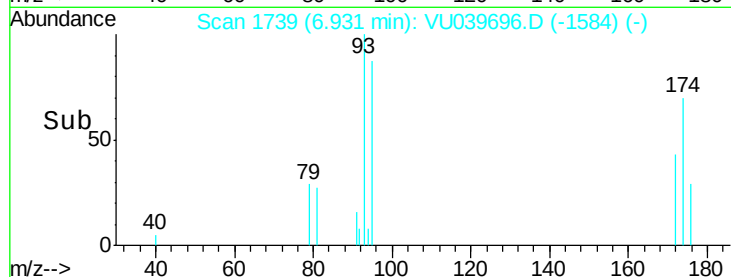
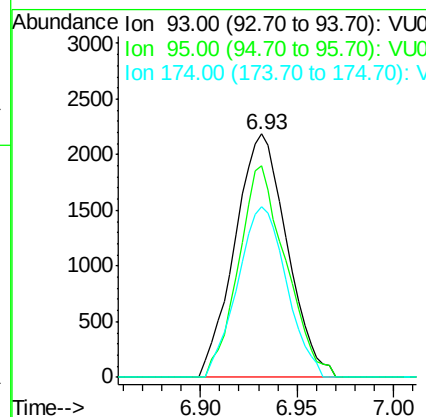
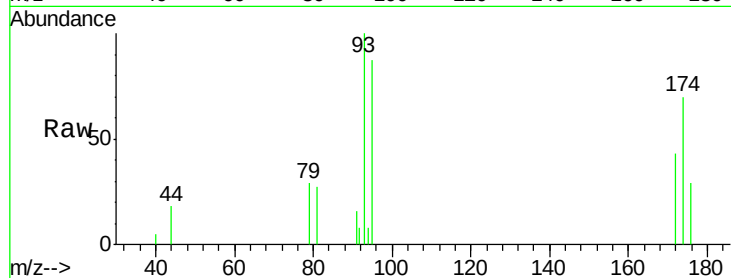
ClientSampleId :

VSTDIC001

Tot Ion:	93	Resp:	4102
Ion	Ratio	Lower	Upper
93	100		
95	78.4	66.6	99.8
174	65.7	62.7	94.1

Manual Integrations
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#44

Bromodichloromethane

Concen: 1.101 ug/l

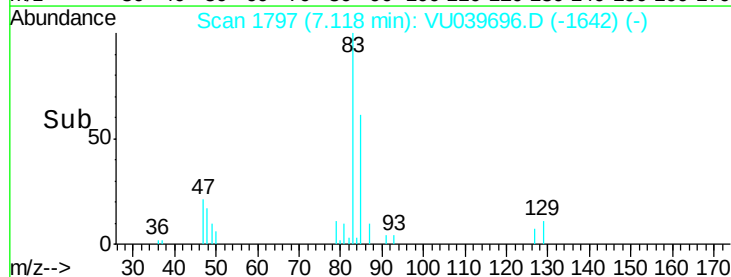
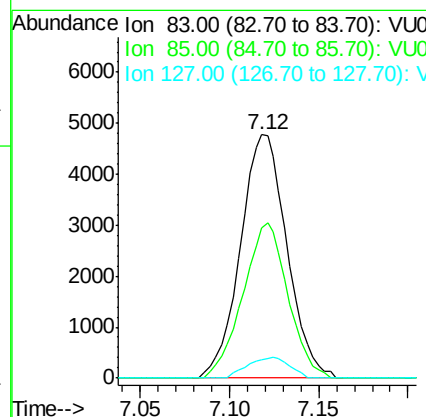
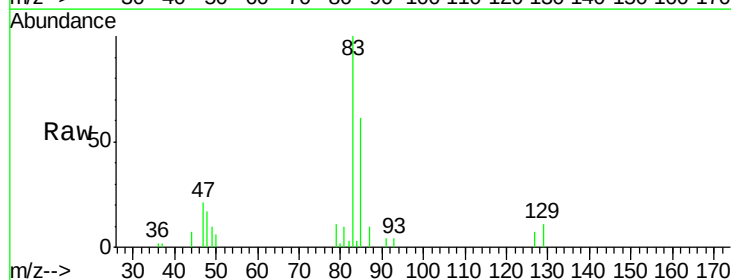
RT: 7.12 min Scan# 1797

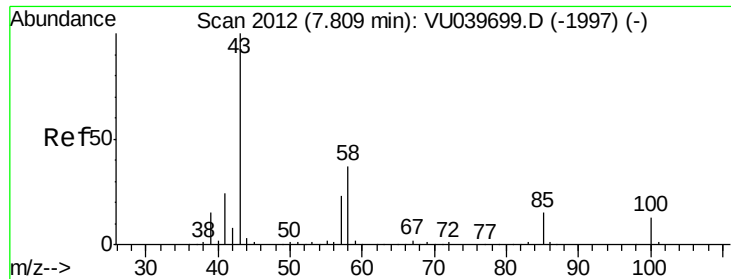
Delta R.T. -0.00 min

Lab File: VU039696.D

Acq: 29 Jul 2020 11:12

Tgt Ion:	83	Resp:	8676
Ion	Ratio	Lower	Upper
83	100		
85	61.5	50.8	76.2
127	7.5	5.8	8.6





#45

4-Methyl-2-Pentanone

Concen: 5.844 ug/l

RT: 7.81 min Scan# 2012

Delta R.T. -0.00 min

Lab File: VU039696.D

Acq: 29 Jul 2020 11:12

Instrument :

MSVOA_U

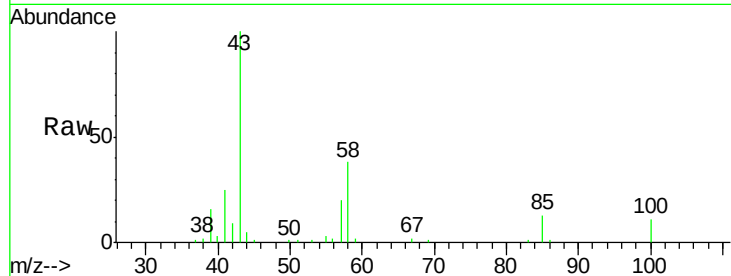
ClientSampleId :

VSTDIC001

Tot Ion:	43	Resp:	26072
Ion	Ratio	Lower	Upper
43	100		
58	36.4	18.4	55.0
85	13.9	11.8	17.6

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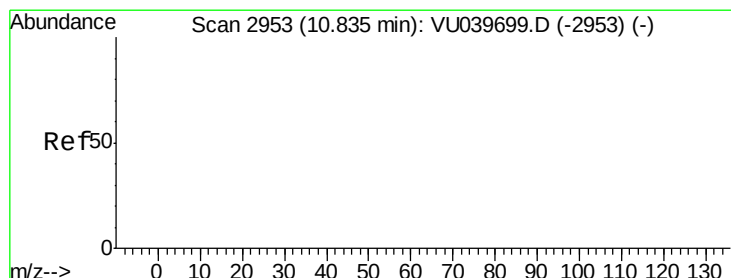
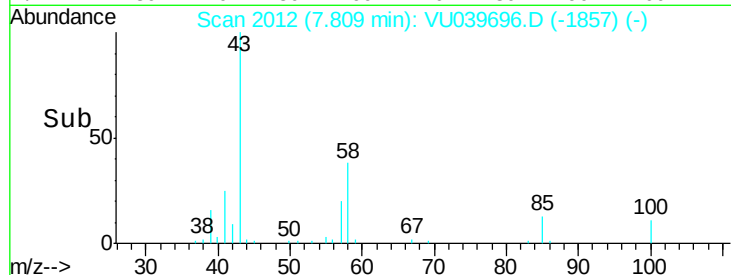


Abundance Ion 43.00 (42.70 to 43.70): VU039699.D (-1997) (-)

Ion 58.00 (57.70 to 58.70): VU039699.D (-1997) (-)

Ion 85.00 (84.70 to 85.70): VU039699.D (-1997) (-)

Time-->



#46

t-1,4-Dichloro-2-butene

Concen: 2.252 ug/l m

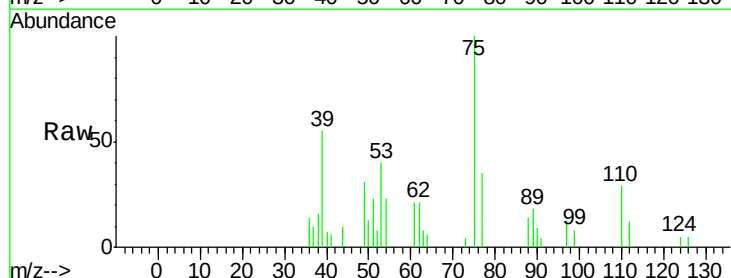
RT: 10.83 min Scan# 2953

Delta R.T. -0.00 min

Lab File: VU039696.D

Acq: 29 Jul 2020 11:12

Tgt Ion:	75	Resp:	3070
Ion	Ratio	Lower	Upper
75	100		
53	102.3	78.6	118.0
89	46.0	40.3	60.5
88	35.1	34.0	51.0



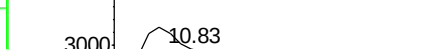
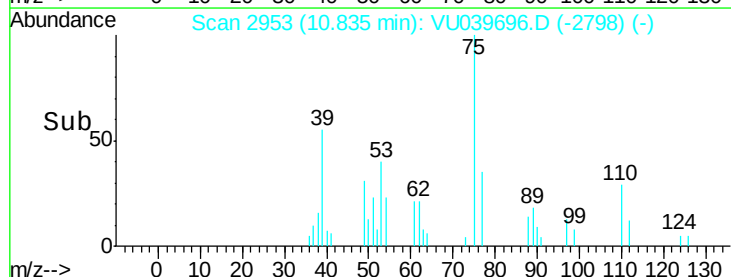
Abundance Ion 74.90 (74.60 to 75.60): VU039699.D (-2953) (-)

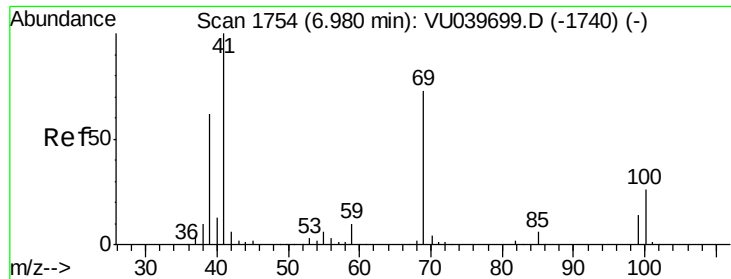
Ion 53.00 (52.70 to 53.70): VU039699.D (-2953) (-)

Ion 88.80 (88.50 to 89.50): VU039699.D (-2953) (-)

Ion 87.80 (87.50 to 88.50): VU039699.D (-2953) (-)

Time-->





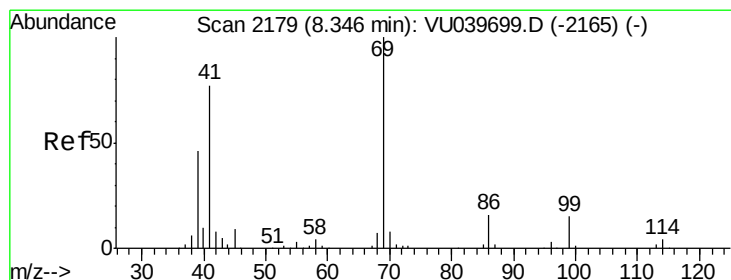
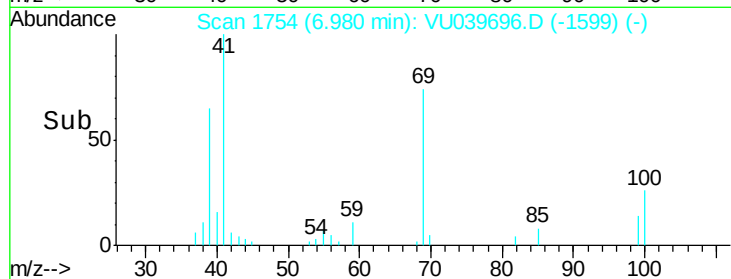
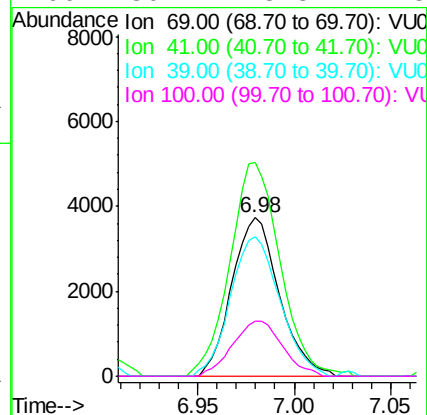
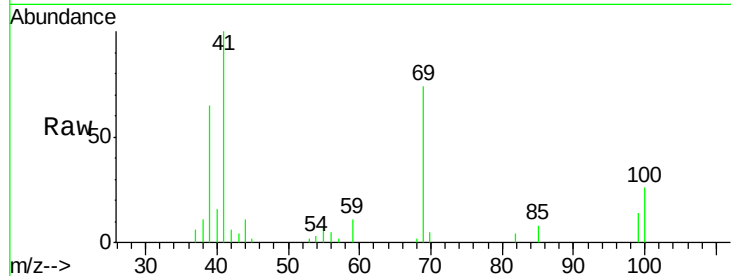
#47
Methvl methacrylate
Concen: 1.985 ug/l
RT: 6.98 min Scan# 1754
Delta R.T. -0.00 min
Lab File: VU039696.D
Acq: 29 Jul 2020 11:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion:	69	Resp:	6373
Ion	Ratio	Lower	Upper
69	100		
41	142.8	0.0	271.6
39	91.8	67.4	101.2
100	36.7	28.3	42.5

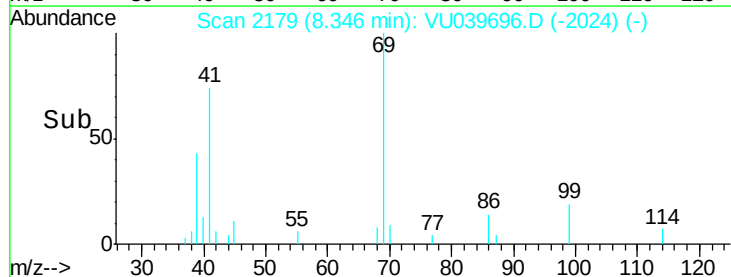
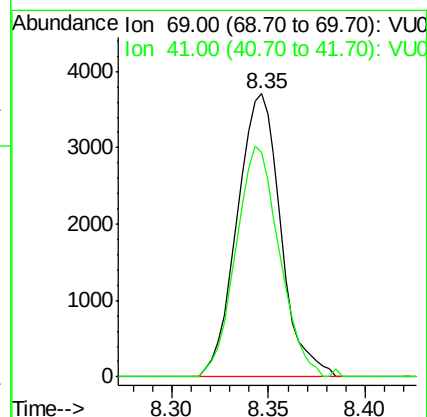
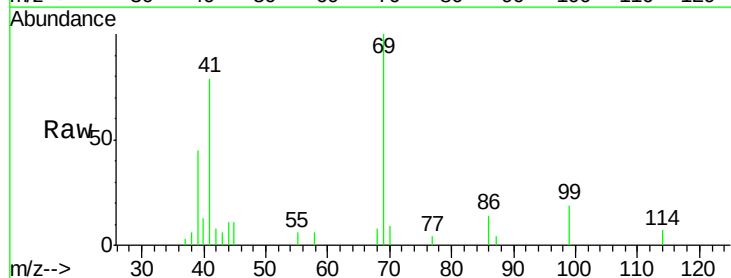
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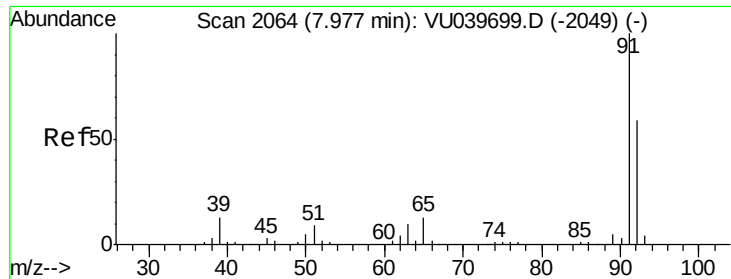
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#48
Ethyl methacrylate
Concen: 0.985 ug/l
RT: 8.35 min Scan# 2179
Delta R.T. -0.00 min
Lab File: VU039696.D
Acq: 29 Jul 2020 11:12

Tgt Ion:	69	Resp:	5824
Ion	Ratio	Lower	Upper
69	100		
41	81.1	39.1	117.5





#49

Toluene

Concen: 0.907 ug/l

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU039696.D

Acq: 29 Jul 2020 11:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 92 Resp: 14010

Ion Ratio Lower Upper

92 100

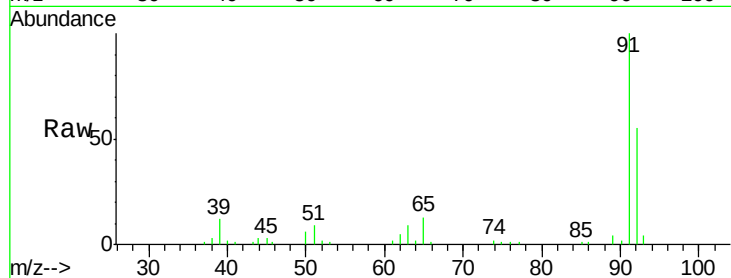
91 174.1 136.1 204.1

Manual Integrations

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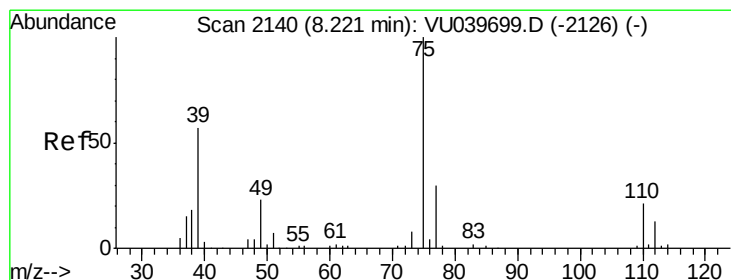
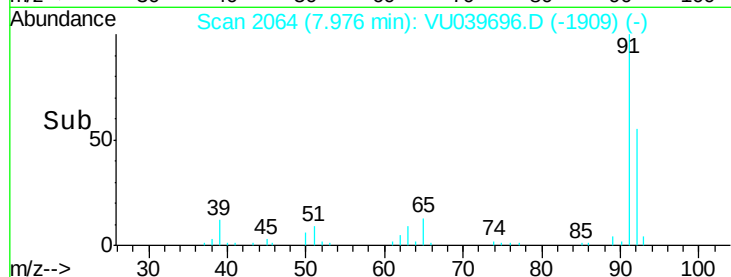
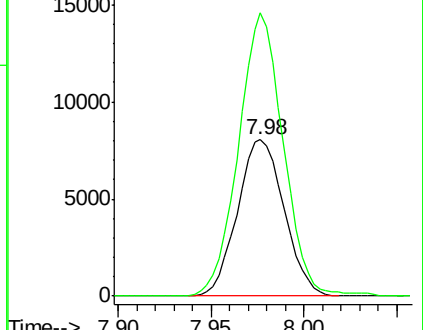
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Abundance Ion 92.00 (91.70 to 92.70): VU039699.D (-2049) (-)

Ion 91.00 (90.70 to 91.70): VU039699.D (-2049) (-)



#50

t-1,3-Dichloropropene

Concen: 0.863 ug/l

RT: 8.22 min Scan# 2139

Delta R.T. -0.00 min

Lab File: VU039696.D

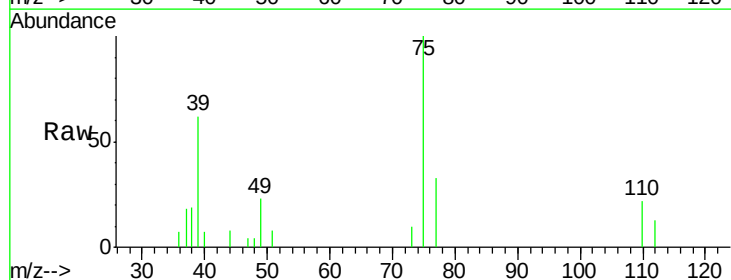
Acq: 29 Jul 2020 11:12

Tgt Ion: 75 Resp: 6852

Ion Ratio Lower Upper

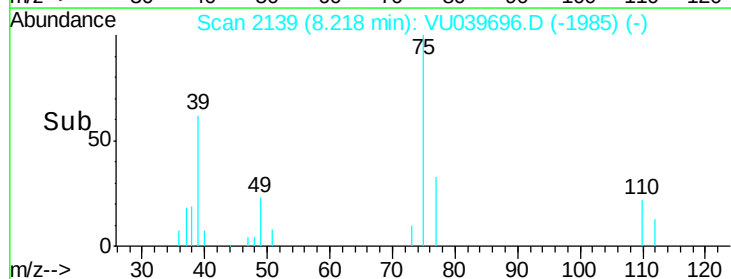
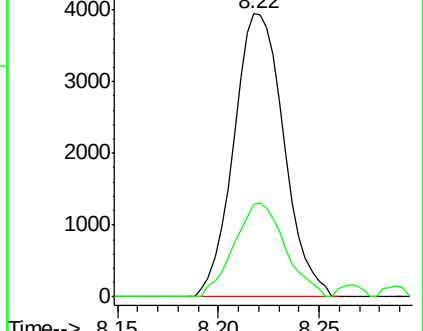
75 100

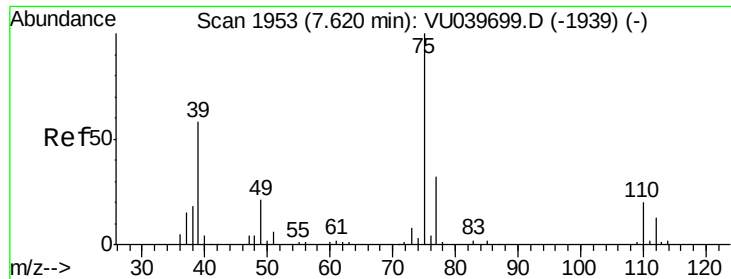
77 32.7 24.3 36.5



Abundance Ion 75.00 (74.70 to 75.70): VU039699.D (-2126) (-)

Ion 77.00 (76.70 to 77.70): VU039699.D (-2126) (-)





#51

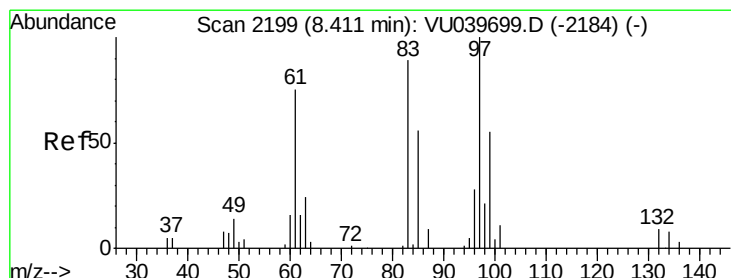
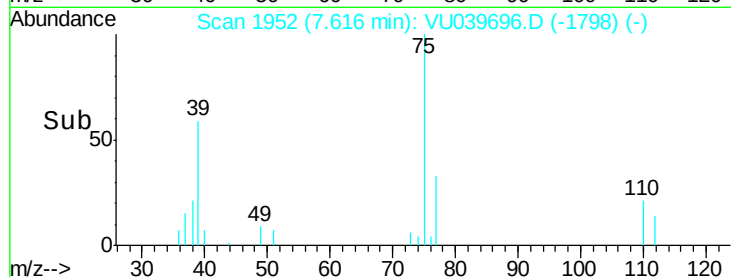
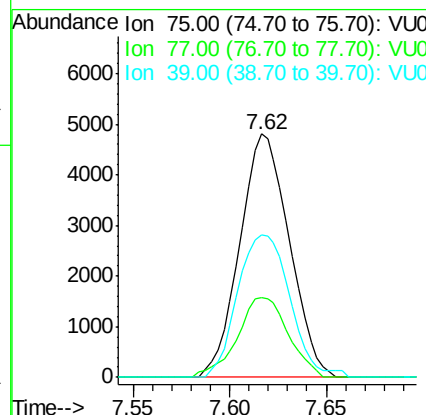
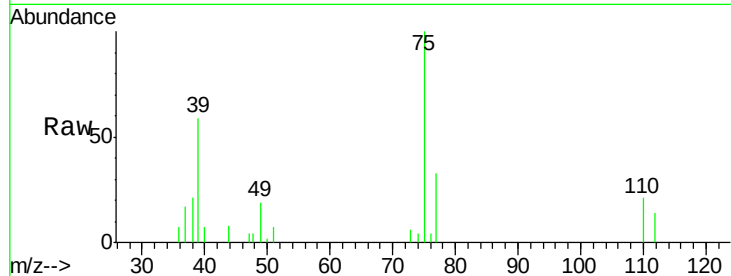
cis-1,3-Dichloropropene
 Concen: 0.905 ug/l
 RT: 7.62 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VU039696.D
 Acq: 29 Jul 2020 11:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.8	25.7	38.5
39	58.5	46.1	69.1

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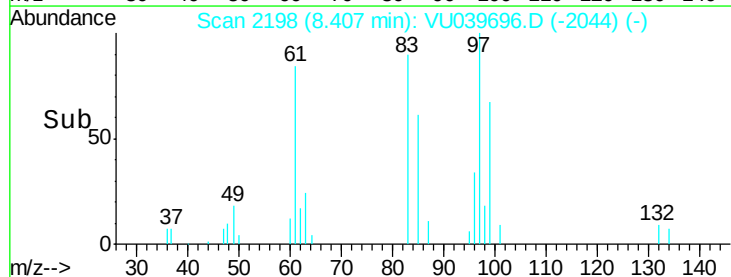
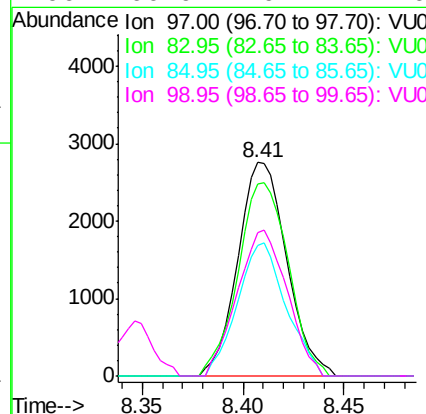
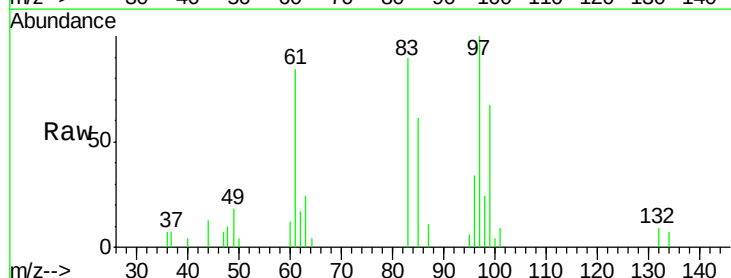
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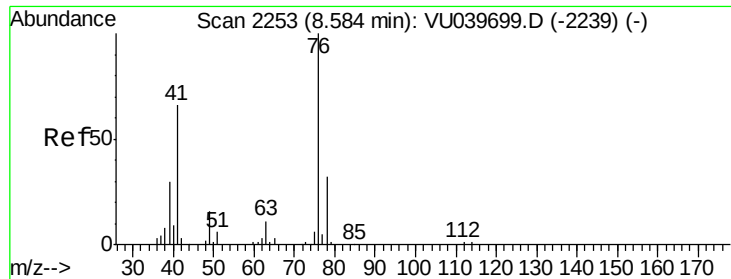


#52

1,1,2-Trichloroethane
 Concen: 1.057 ug/l
 RT: 8.41 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: VU039696.D
 Acq: 29 Jul 2020 11:12

Tgt Ion	Ratio	Lower	Upper
97	100		
83	90.0	71.3	106.9
85	61.2	45.4	68.2
99	66.9	49.4	74.0





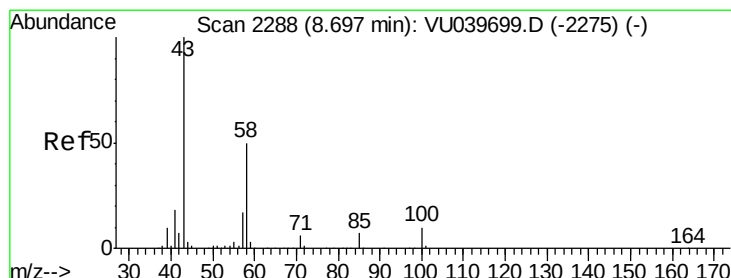
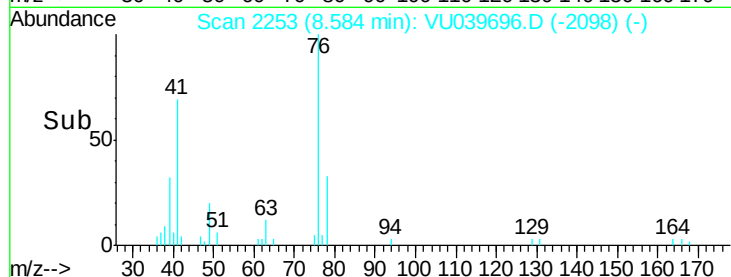
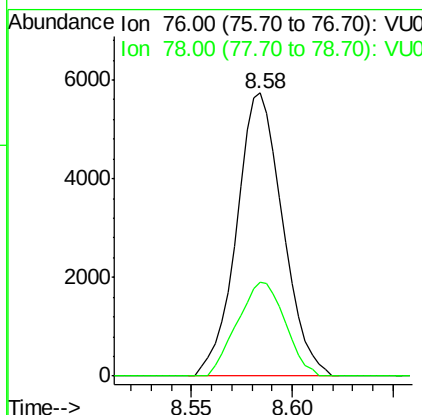
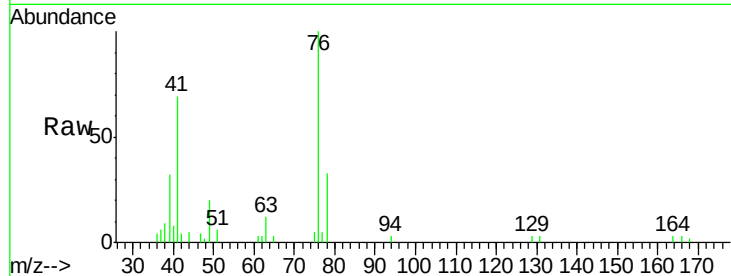
#53
 1,3-Dichloropropane
 Concen: 1.103 ug/l
 RT: 8.58 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VU039696.D
 Acq: 29 Jul 2020 11:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
76	100		
78	34.2	25.4	38.2

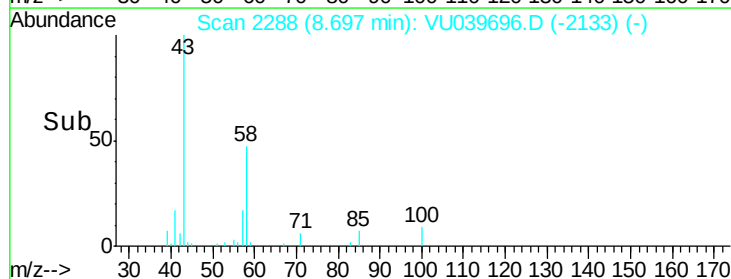
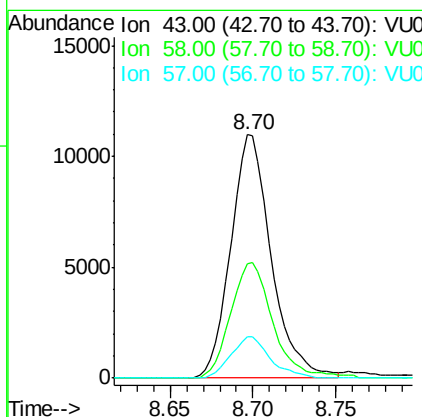
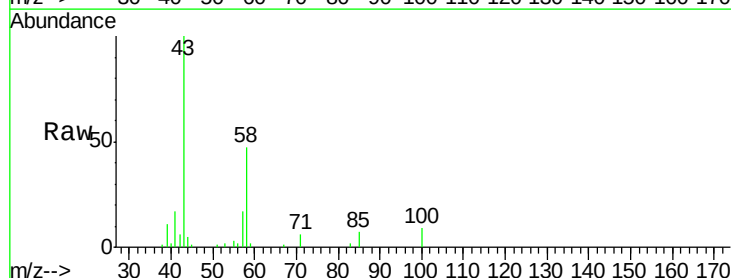
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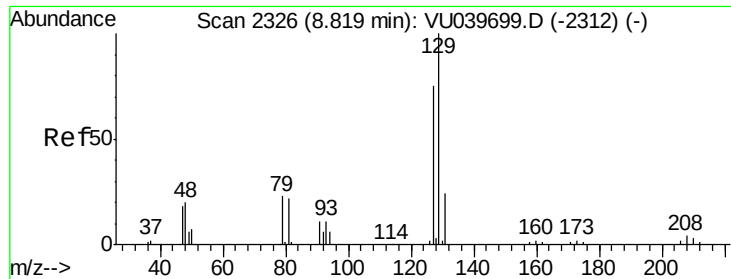
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#54
 2-Hexanone
 Concen: 5.914 ug/l
 RT: 8.70 min Scan# 2288
 Delta R.T. -0.00 min
 Lab File: VU039696.D
 Acq: 29 Jul 2020 11:12

Tgt Ion	Ratio	Lower	Upper
43	100		
58	49.1	29.9	69.9
57	16.4	0.0	37.2





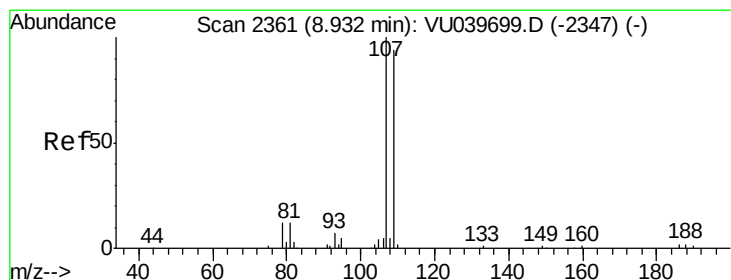
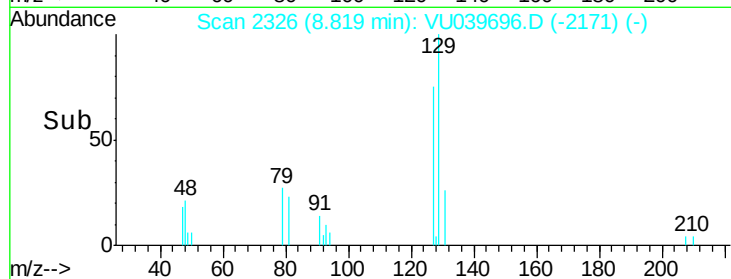
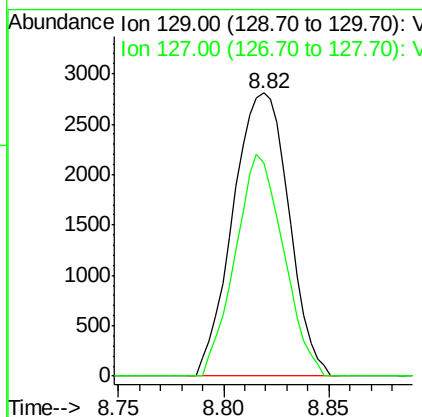
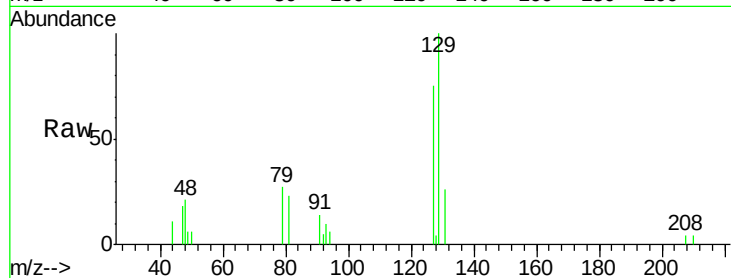
#55
 Dibromochloromethane
 Concen: 1.055 ug/l
 RT: 8.82 min Scan# 2326
 Delta R.T. -0.00 min
 Lab File: VU039696.D
 Acq: 29 Jul 2020 11:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion:129 Resp: 5176
 Ion Ratio Lower Upper
 129 100
 127 67.7 62.4 93.6

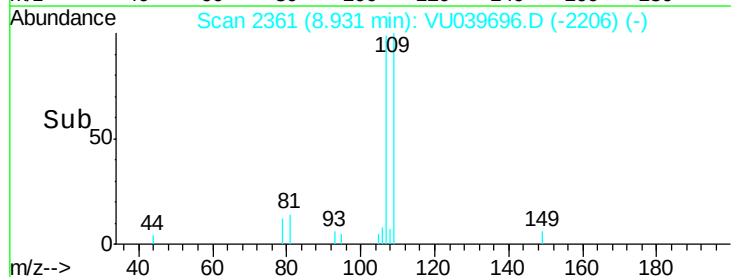
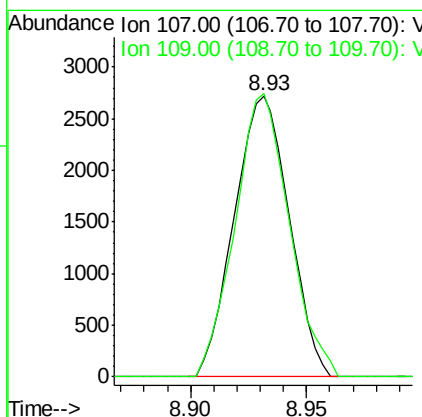
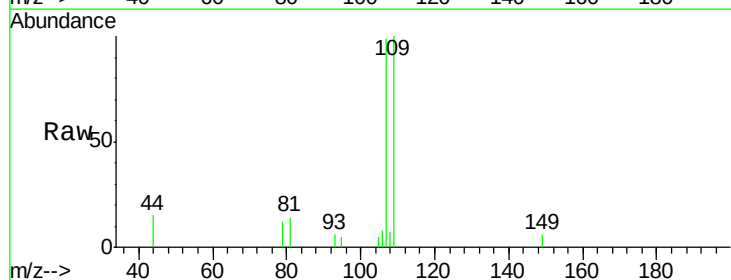
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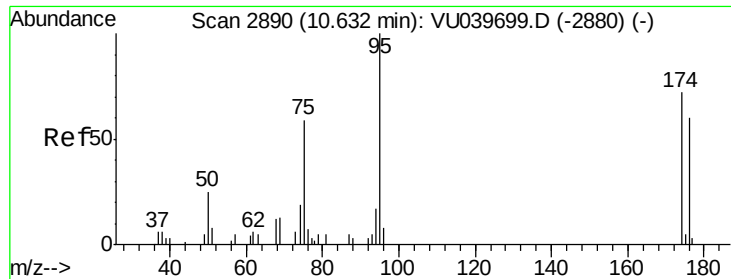
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#56
 1,2-Dibromoethane
 Concen: 1.063 ug/l
 RT: 8.93 min Scan# 2361
 Delta R.T. -0.00 min
 Lab File: VU039696.D
 Acq: 29 Jul 2020 11:12

Tgt Ion:107 Resp: 4479
 Ion Ratio Lower Upper
 107 100
 109 99.5 0.0 185.2





#57

4-Bromofluorobenzene

Concen: 0.934 ug/l

RT: 10.63 min Scan# 2890

Delta R.T. -0.00 min

Lab File: VU039696.D

Acq: 29 Jul 2020 11:12

Instrument :

MSVOA_U

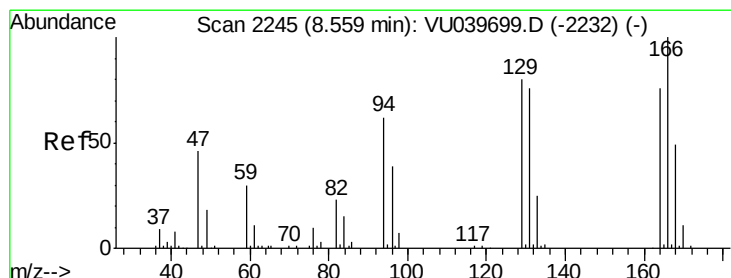
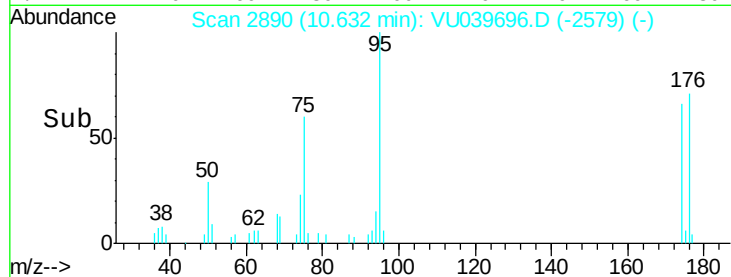
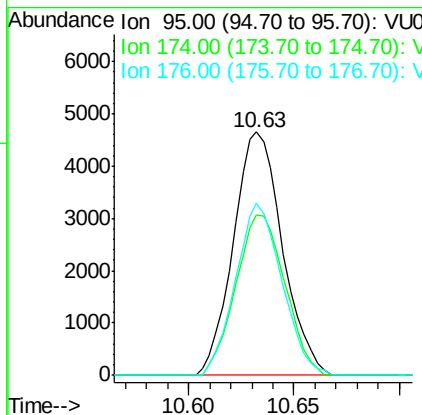
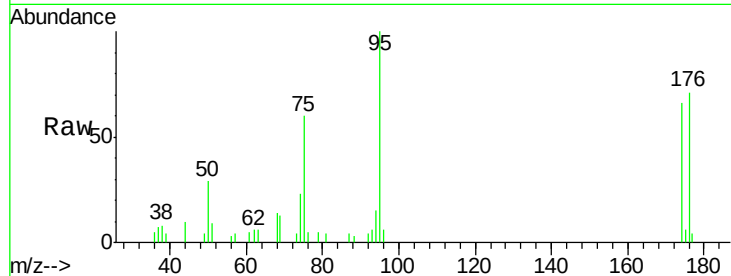
ClientSampleId :

VSTDIC001

Tot Ion:	95	Resp:	7507
Ion	Ratio	Lower	Upper
95	100		
174	66.1	57.0	85.4
176	66.9	50.2	75.2

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#58

Tetrachloroethene

Concen: 0.860 ug/l

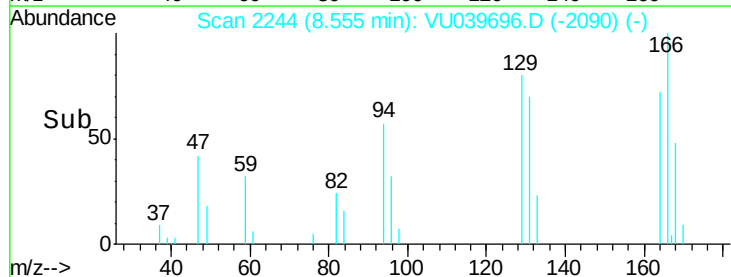
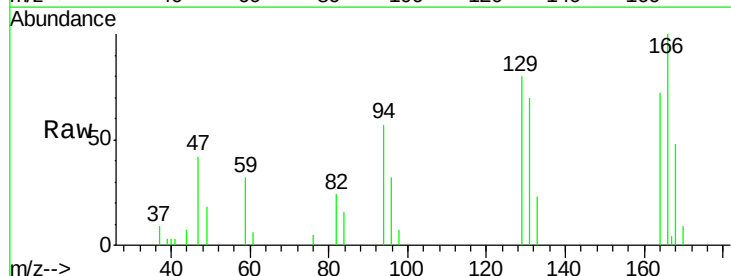
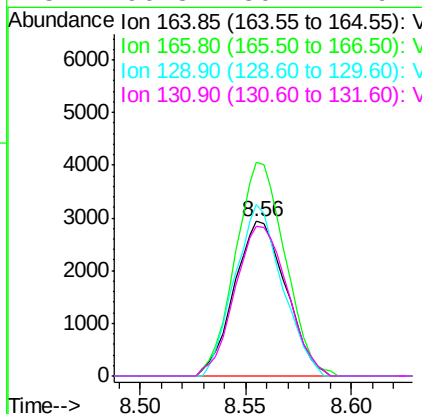
RT: 8.56 min Scan# 2244

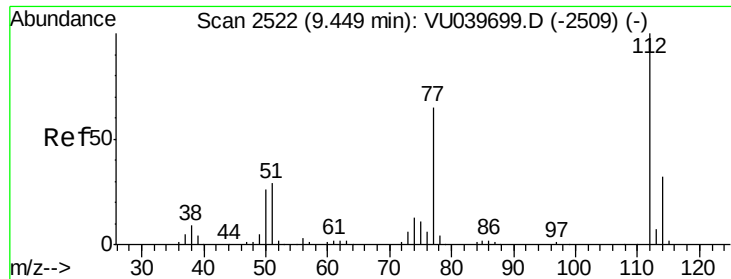
Delta R.T. -0.00 min

Lab File: VU039696.D

Acq: 29 Jul 2020 11:12

Tgt Ion:	164	Resp:	4994
Ion	Ratio	Lower	Upper
164	100		
166	138.3	104.8	157.2
129	110.7	84.1	126.1
131	96.8	80.1	120.1





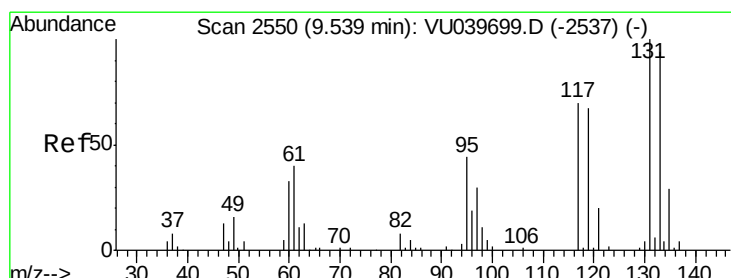
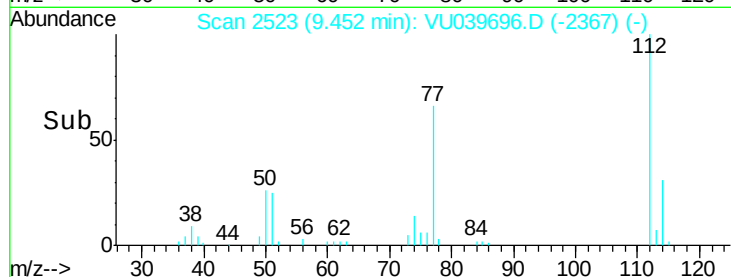
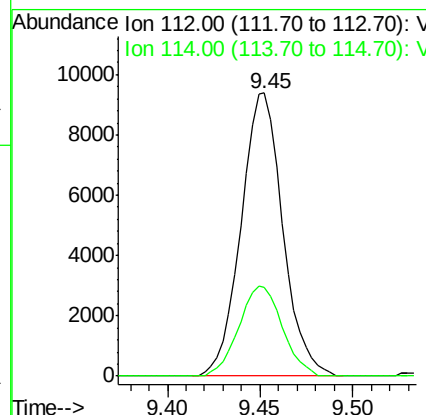
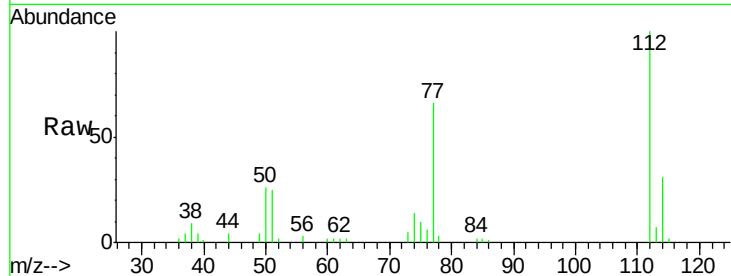
#59
Chlorobenzene
Concen: 0.900 ug/l
RT: 9.45 min Scan# 2523
Delta R.T. 0.00 min
Lab File: VU039696.D
Acq: 29 Jul 2020 11:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion:112 Resp: 14700
Ion Ratio Lower Upper
112 100
114 31.4 25.8 38.6

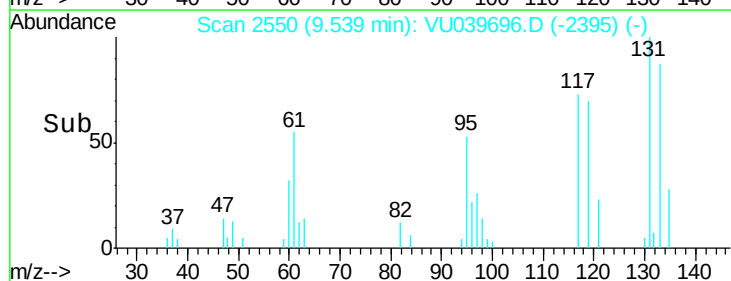
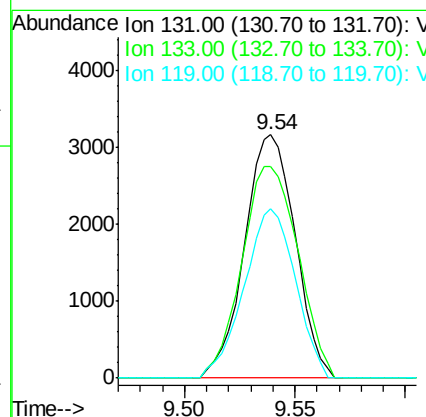
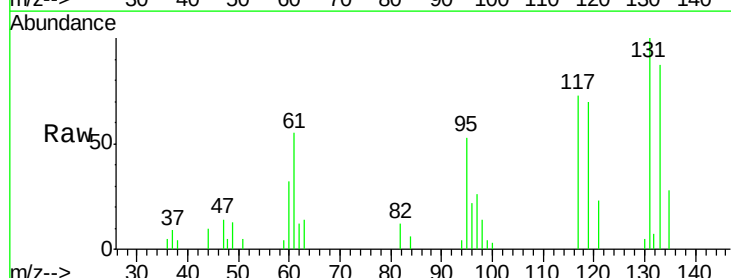
Manual Integrations
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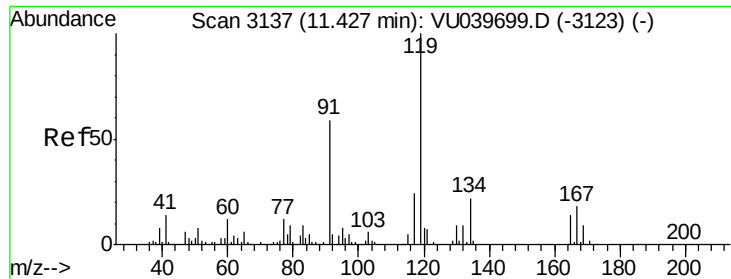
MMDadoda
7/31/2020 3:42:46 PM



#60
1,1,1,2-Tetrachloroethane
Concen: 1.005 ug/l
RT: 9.54 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU039696.D
Acq: 29 Jul 2020 11:12

Tgt Ion:131 Resp: 5053
Ion Ratio Lower Upper
131 100
133 96.3 75.8 113.8
119 70.4 54.6 81.8





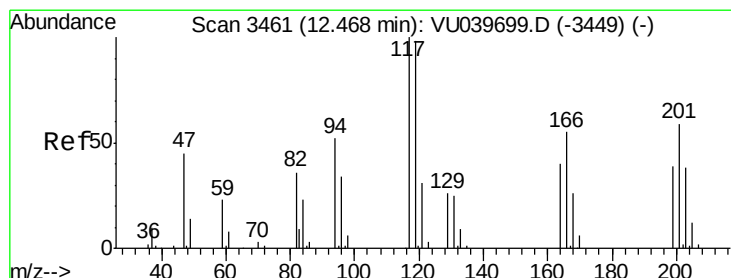
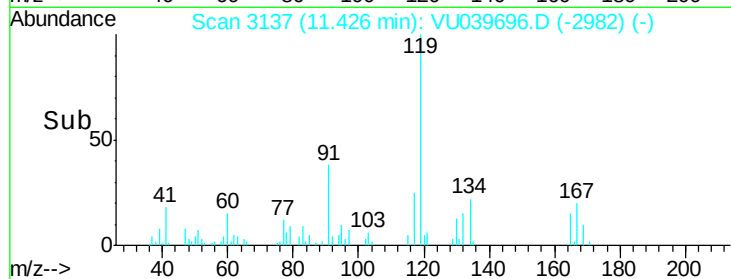
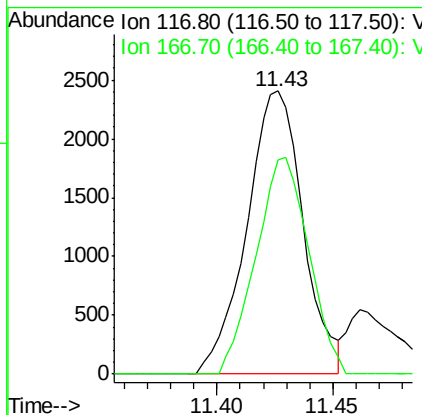
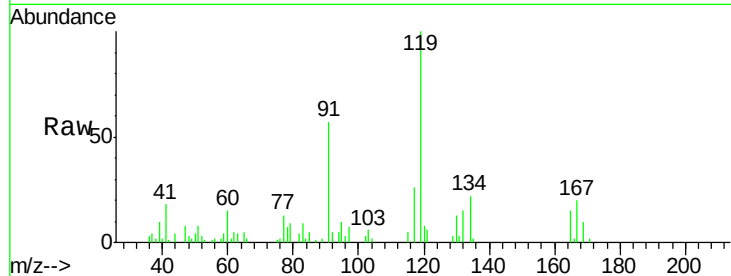
#61
 Pentachloroethane
 Concen: 1.047 ug/l
 RT: 11.43 min Scan# 3137
 Delta R.T. -0.00 min
 Lab File: VU039696.D
 Acq: 29 Jul 2020 11:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion:117 Resp: 4075
 Ion Ratio Lower Upper
 117 100
 167 71.2 56.6 85.0

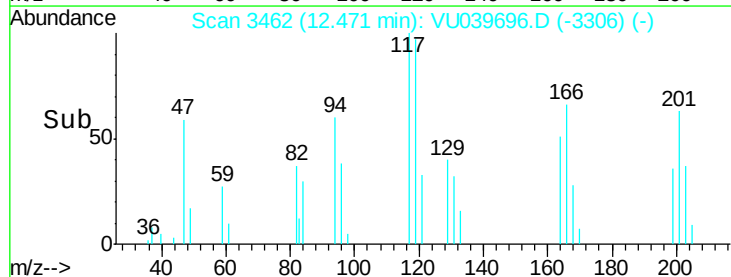
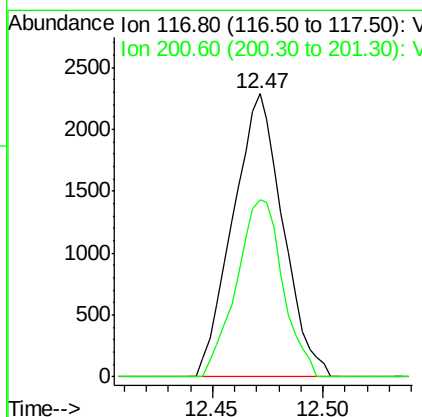
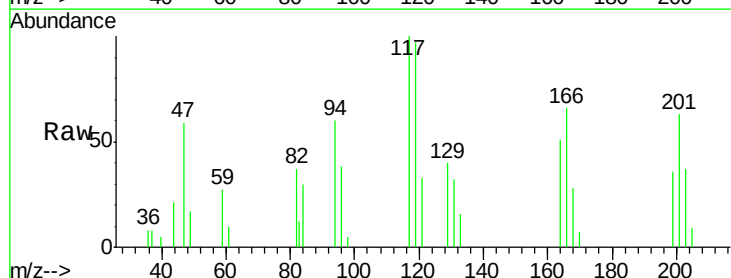
Manual Integrations
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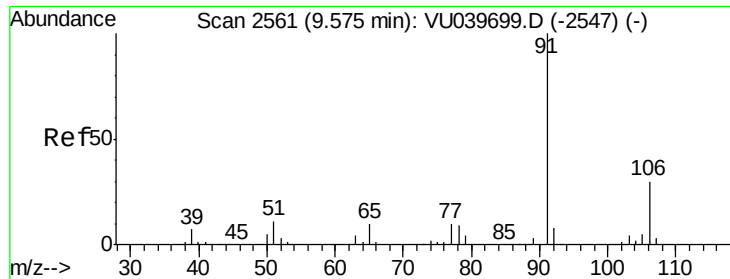
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#62
 Hexachloroethane
 Concen: 0.902 ug/l
 RT: 12.47 min Scan# 3462
 Delta R.T. 0.00 min
 Lab File: VU039696.D
 Acq: 29 Jul 2020 11:12

Tgt Ion:117 Resp: 3596
 Ion Ratio Lower Upper
 117 100
 201 57.9 48.1 72.1





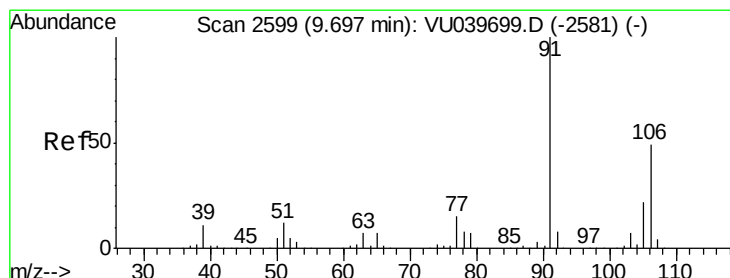
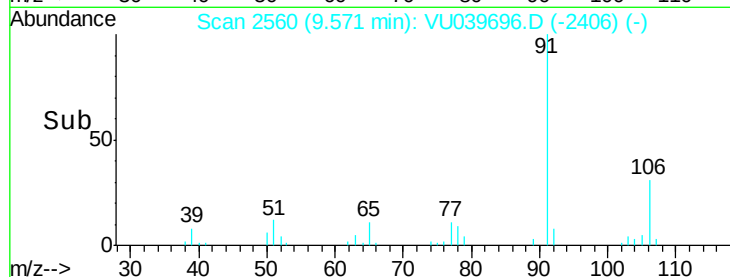
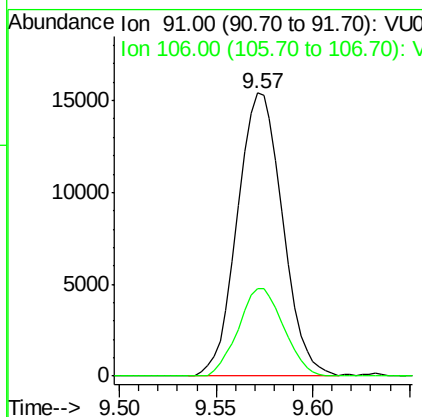
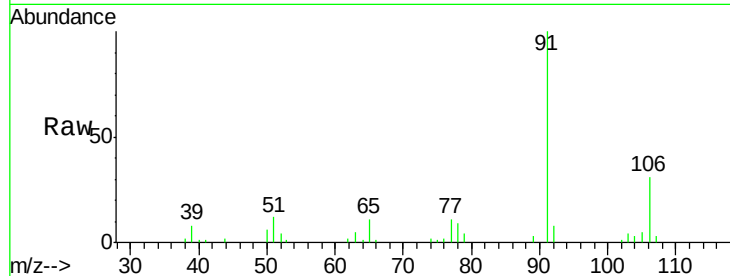
#63
Ethyl Benzene
Concen: 0.857 ug/l
RT: 9.57 min Scan# 2560
Delta R.T. -0.00 min
Lab File: VU039696.D
Acq: 29 Jul 2020 11:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion: 91 Resp: 25082
Ion Ratio Lower Upper
91 100
106 31.0 24.2 36.4

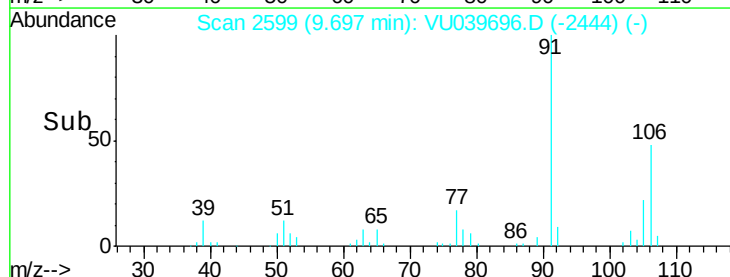
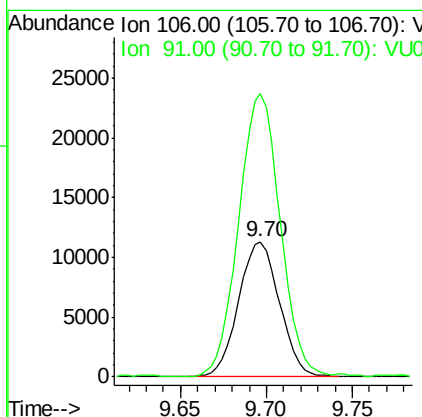
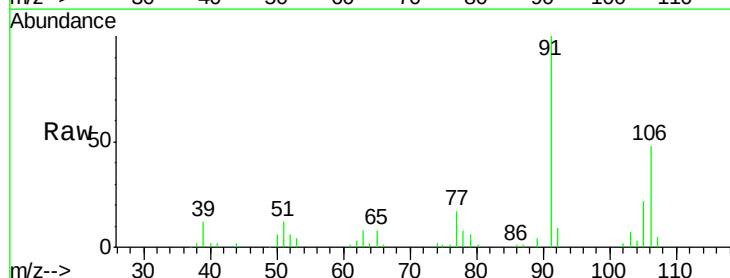
Manual Integrations
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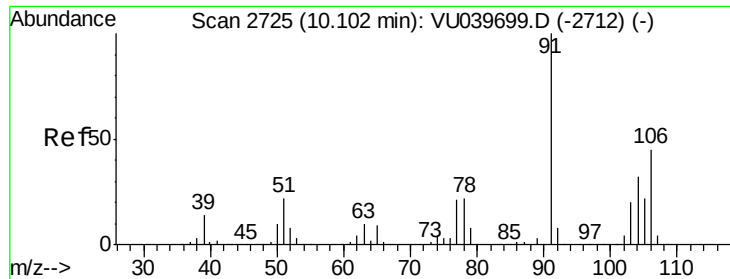
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#64
m/p-Xylenes
Concen: 1.648 ug/l
RT: 9.70 min Scan# 2599
Delta R.T. -0.00 min
Lab File: VU039696.D
Acq: 29 Jul 2020 11:12

Tgt Ion: 106 Resp: 18628
Ion Ratio Lower Upper
106 100
91 213.1 163.9 245.9





#65

o-Xylene

Concen: 0.860 ug/l

RT: 10.10 min Scan# 2725

Delta R.T. -0.00 min

Lab File: VU039696.D

Acq: 29 Jul 2020 11:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:106 Resp: 9425

Ion Ratio Lower Upper

106 100

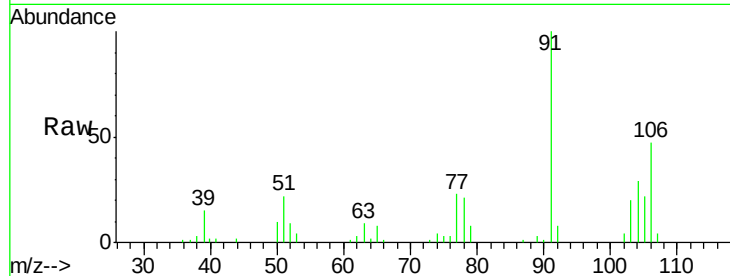
91 215.7 110.3 331.0

Manual Integrations

APPROVED

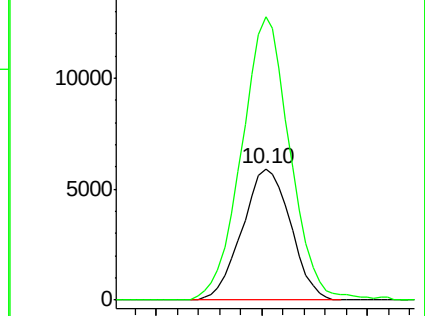
MMDadoda

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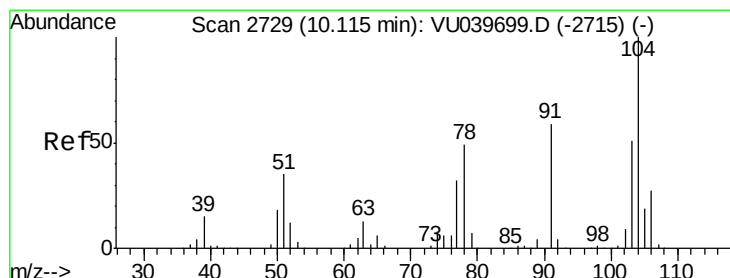
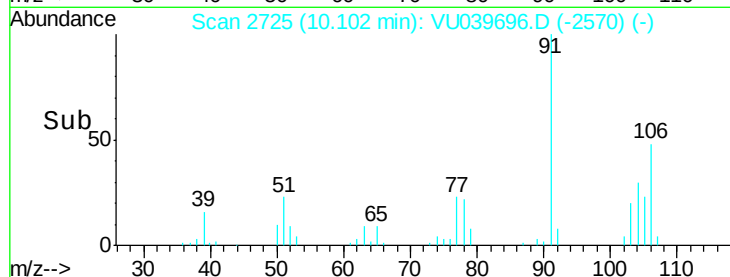


Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



Time-->



#66

Styrene

Concen: 0.851 ug/l

RT: 10.11 min Scan# 2729

Delta R.T. -0.00 min

Lab File: VU039696.D

Acq: 29 Jul 2020 11:12

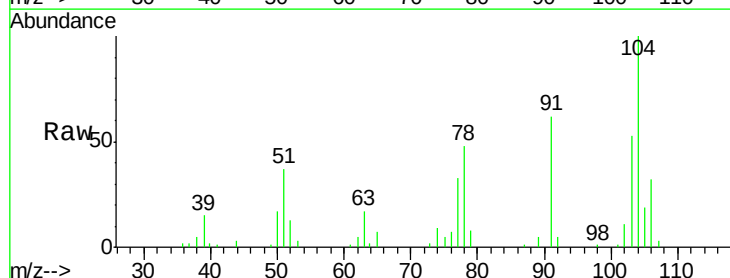
Tgt Ion:104 Resp: 15480

Ion Ratio Lower Upper

104 100

78 53.6 42.2 63.4

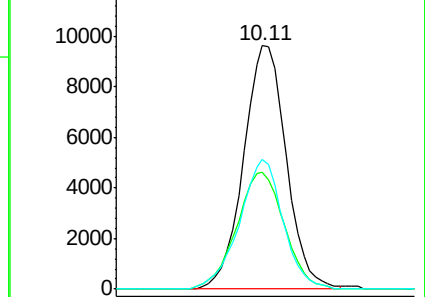
103 54.4 43.4 65.2



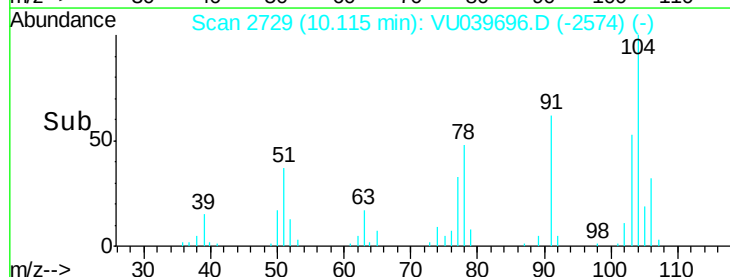
Abundance Ion 104.00 (103.70 to 104.70): V

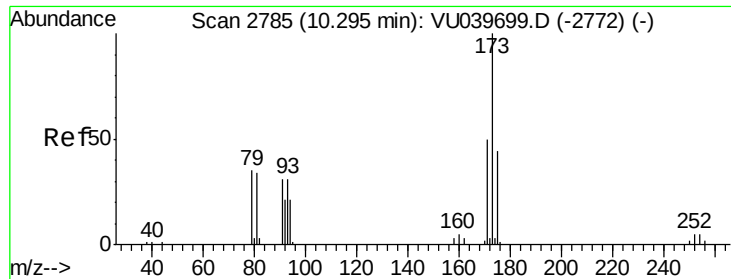
Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): V



Time-->





#67

Bromoform

Concen: 0.894 ug/l

RT: 10.29 min Scan# 2785

Delta R.T. -0.00 min

Lab File: VU039696.D

Acq: 29 Jul 2020 11:12

Instrument :

MSVOA_U

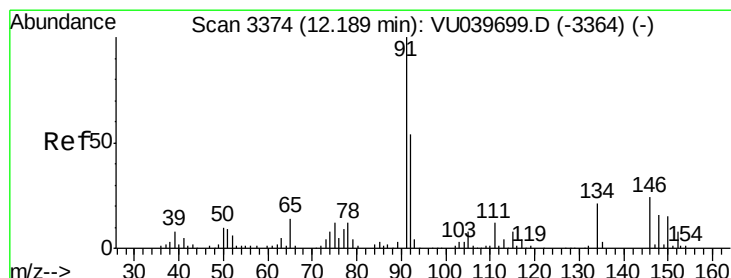
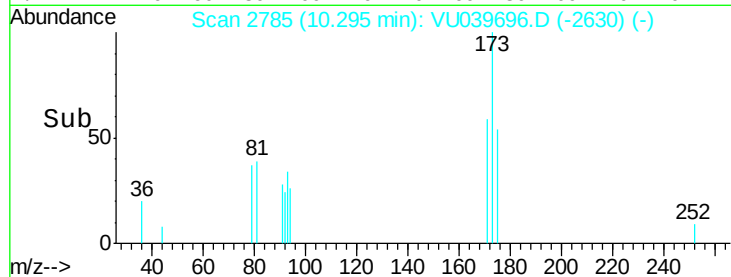
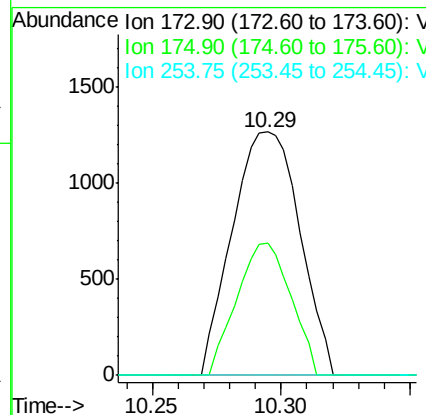
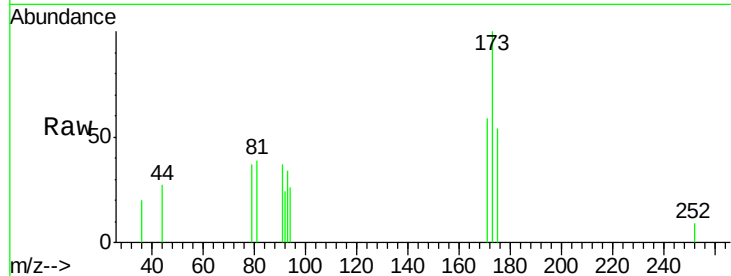
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
173	100		
175	43.7	36.7	55.1
254	0.0	3.8	5.8

Manual Integrations
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#68

1,2-Dichlorobenzene-d4

Concen: 0.912 ug/l

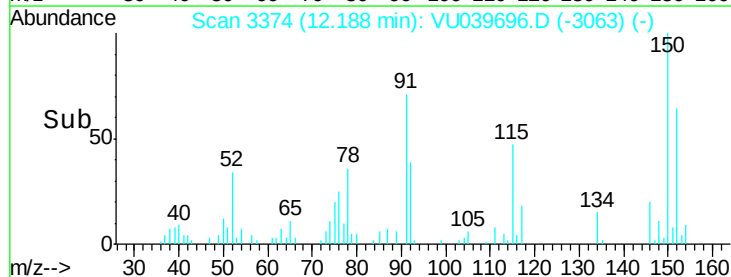
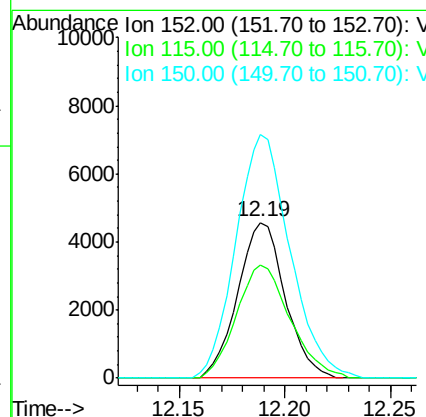
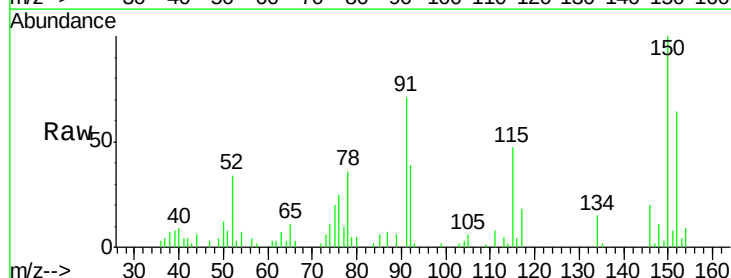
RT: 12.19 min Scan# 3374

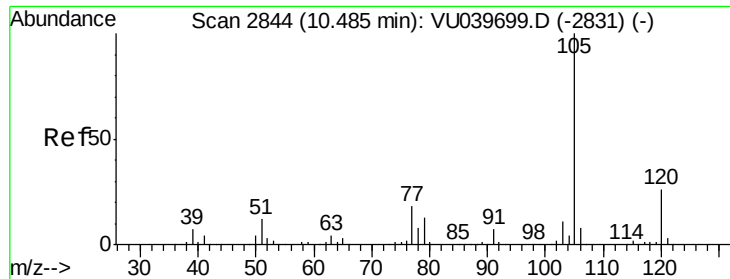
Delta R.T. -0.00 min

Lab File: VU039696.D

Acq: 29 Jul 2020 11:12

Tgt Ion	Ratio	Lower	Upper
152	100		
115	82.0	0.0	302.4
150	178.7	0.0	645.8





#69

Isopropylbenzene

Concen: 0.854 ug/l

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU039696.D

Acq: 29 Jul 2020 11:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 24472

Ion Ratio Lower Upper

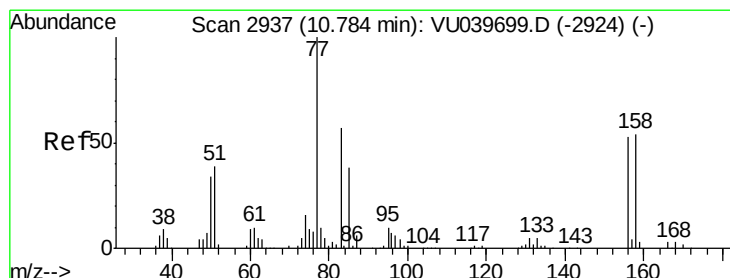
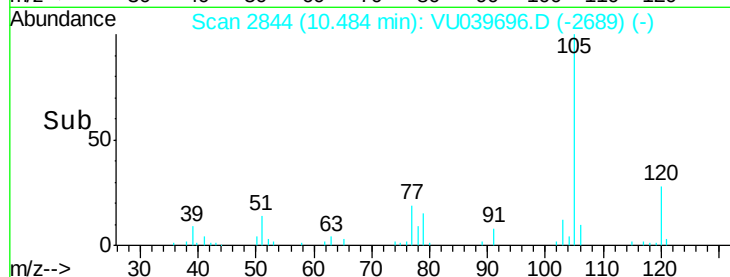
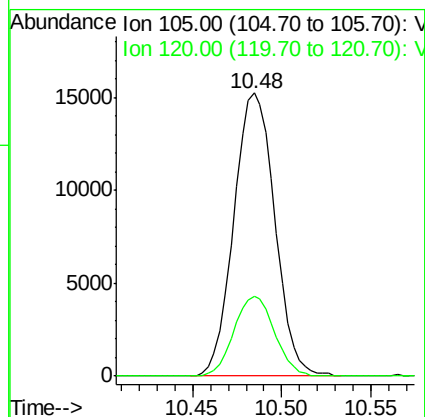
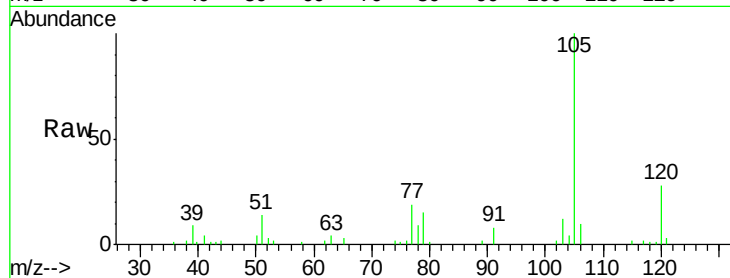
105 100

120 27.7 12.8 38.4

Manual Integrations
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#70

1,1,2,2-Tetrachloroethane

Concen: 1.146 ug/l

RT: 10.78 min Scan# 2937

Delta R.T. -0.00 min

Lab File: VU039696.D

Acq: 29 Jul 2020 11:12

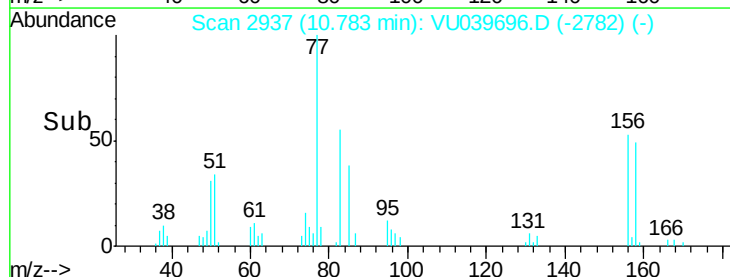
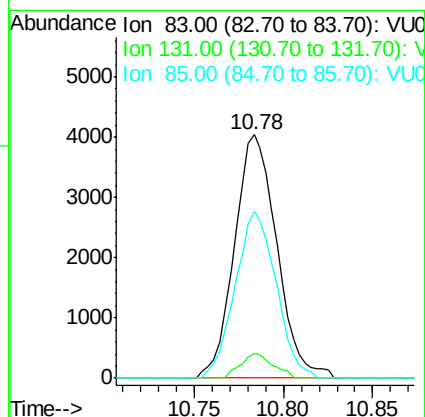
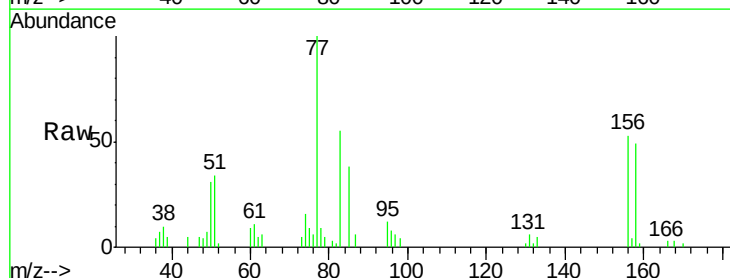
Tgt Ion: 83 Resp: 6677

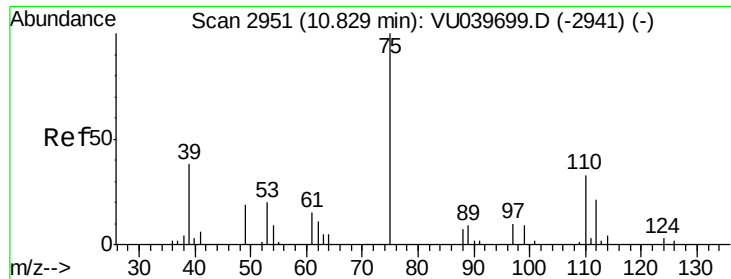
Ion Ratio Lower Upper

83 100

131 7.7 7.0 10.6

85 66.0 50.6 75.8





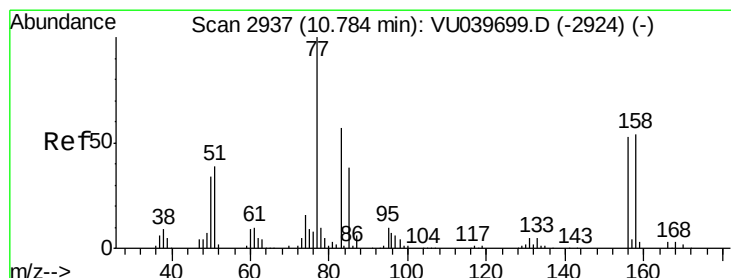
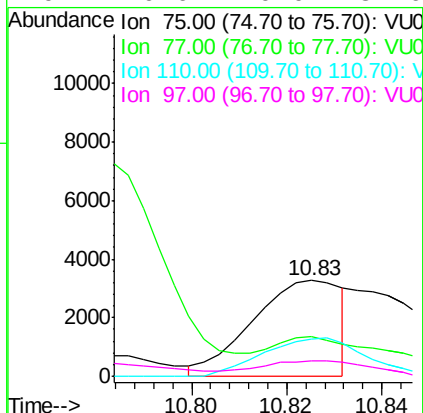
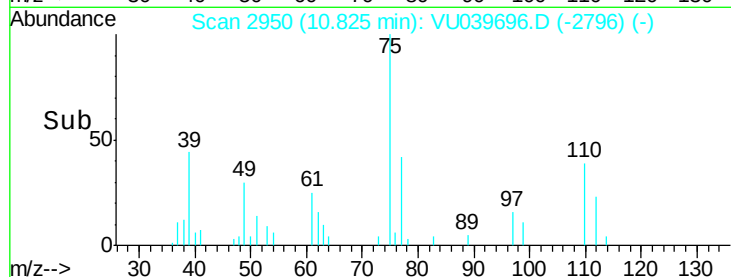
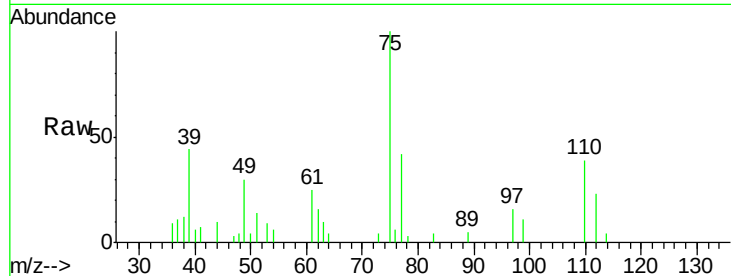
#71
1,2,3-Trichloropropane
Concen: 0.971 ug/l m
RT: 10.83 min Scan# 2950
Delta R.T. -0.00 min
Lab File: VU039696.D
Acq: 29 Jul 2020 11:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ion	Ratio	Lower	Upper
75	75	100		
77	77	60.8	0.0	91.0
110	110	45.3	0.0	64.2
97	97	20.6	0.0	32.6

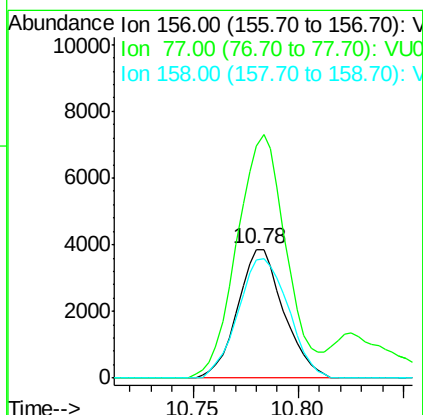
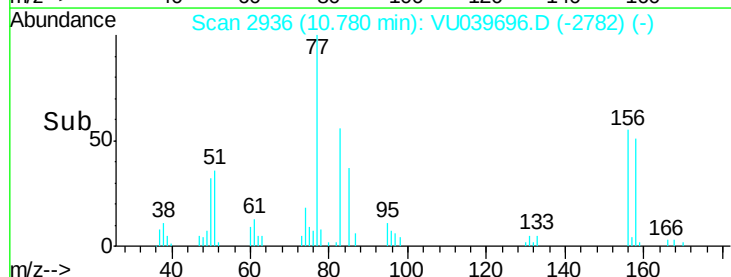
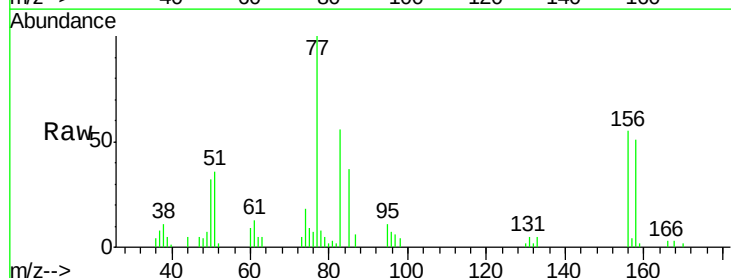
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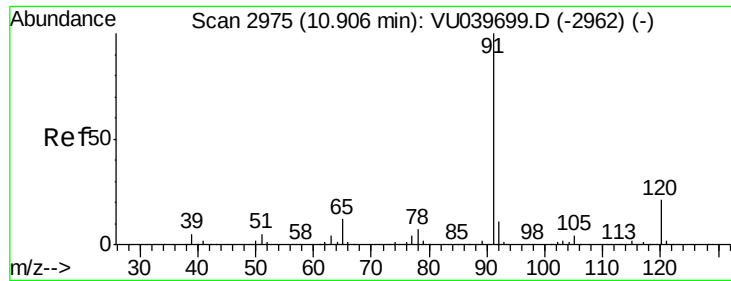
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#72
Bromobenzene
Concen: 0.922 ug/l
RT: 10.78 min Scan# 2936
Delta R.T. -0.00 min
Lab File: VU039696.D
Acq: 29 Jul 2020 11:12

Tgt Ion	Ion	Ratio	Lower	Upper
156	156	100		
77	77	200.2	0.0	385.2
158	158	101.2	0.0	200.8





#73

n-propylbenzene

Concen: 0.892 ug/l

RT: 10.91 min Scan# 2975

Delta R.T. -0.00 min

Lab File: VU039696.D

Acq: 29 Jul 2020 11:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:120 Resp: 7034

Ion Ratio Lower Upper

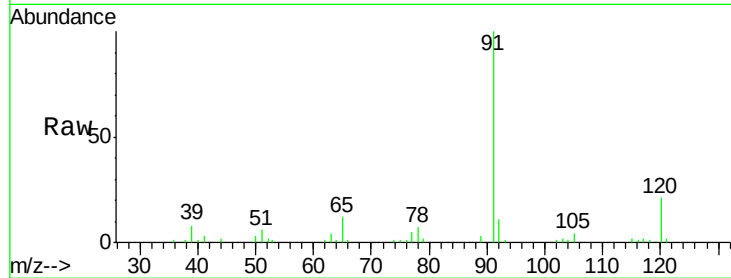
120 100

91 456.8 371.7 557.5

Manual Integrations
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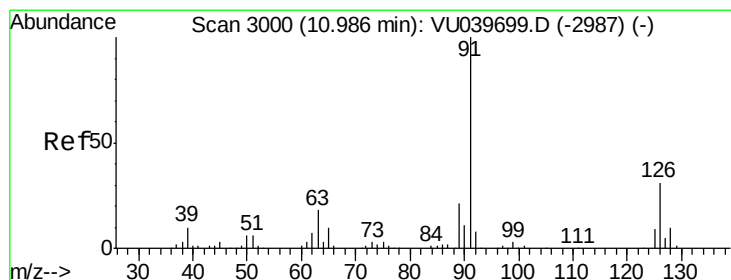
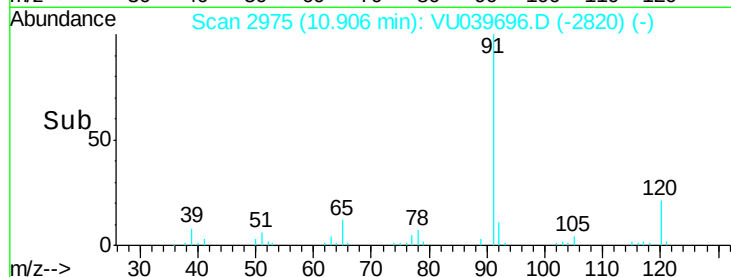
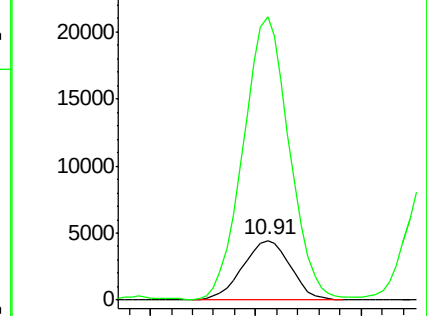
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Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 0.897 ug/l

RT: 10.99 min Scan# 3000

Delta R.T. -0.00 min

Lab File: VU039696.D

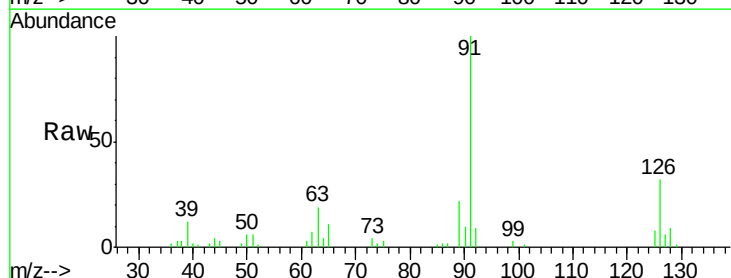
Acq: 29 Jul 2020 11:12

Tgt Ion:126 Resp: 5937

Ion Ratio Lower Upper

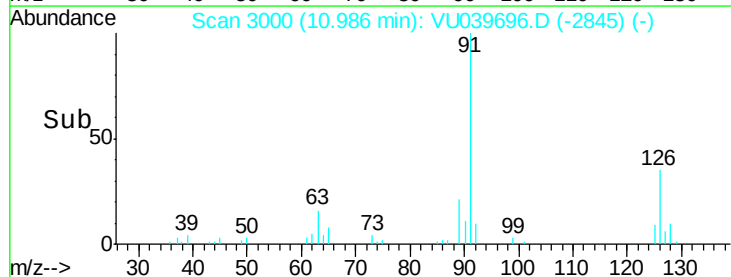
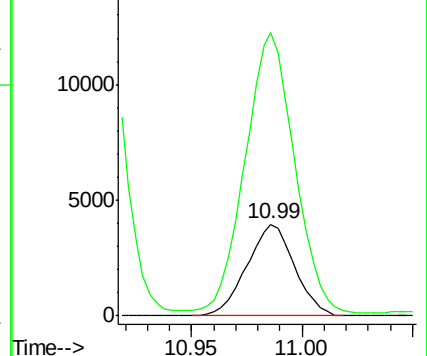
126 100

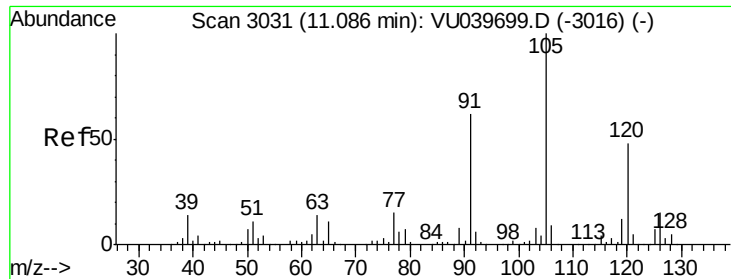
91 319.8 0.0 637.0



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: 0.861 ug/l

RT: 11.09 min Scan# 3031

Delta R.T. -0.00 min

Lab File: VU039696.D

Acq: 29 Jul 2020 11:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 20701

Ion Ratio Lower Upper

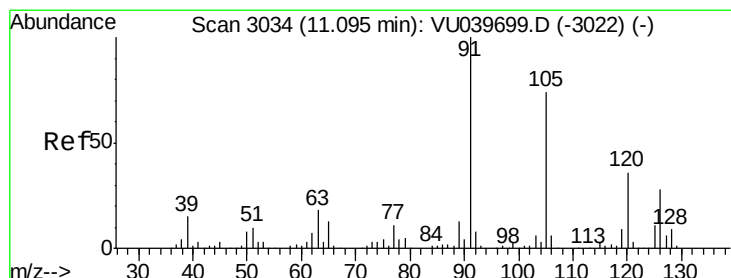
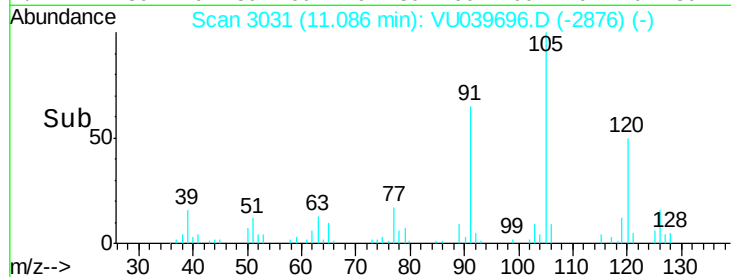
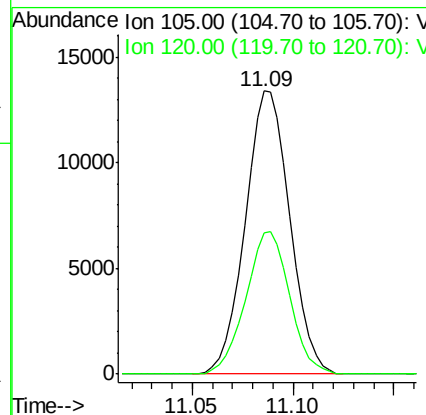
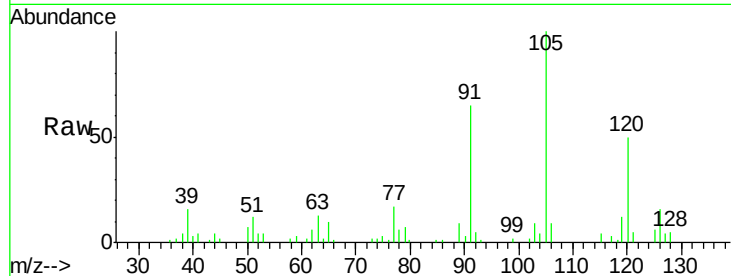
105 100

120 49.6 38.0 57.0

Manual Integrations
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#76

4-Chlorotoluene

Concen: 0.892 ug/l

RT: 11.10 min Scan# 3034

Delta R.T. -0.00 min

Lab File: VU039696.D

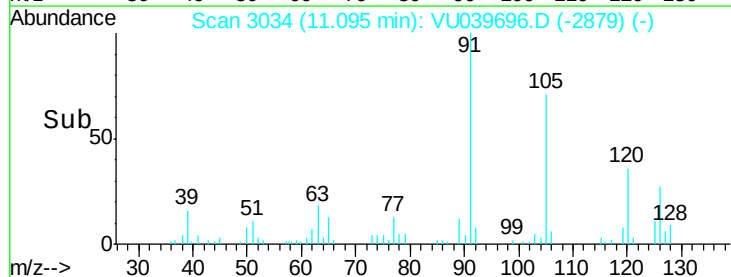
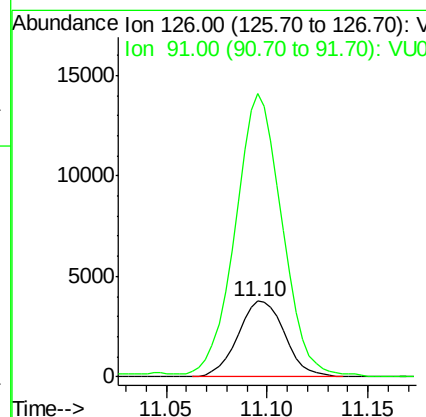
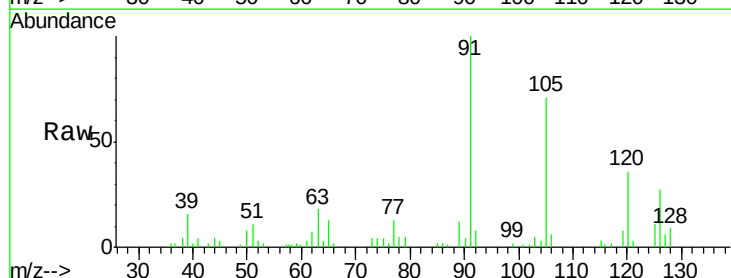
Acq: 29 Jul 2020 11:12

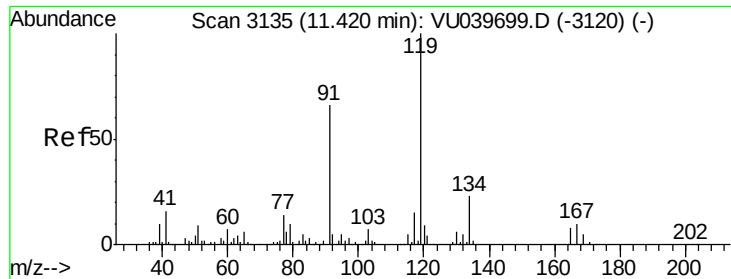
Tgt Ion:126 Resp: 6153

Ion Ratio Lower Upper

126 100

91 374.2 0.0 732.2





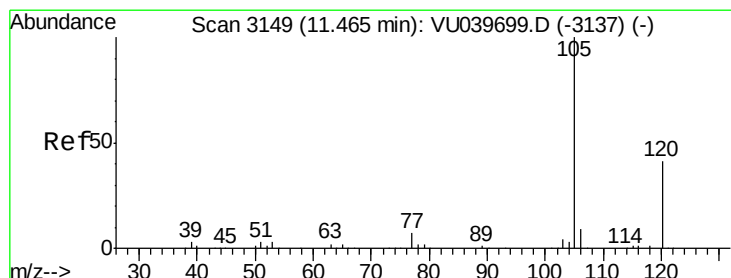
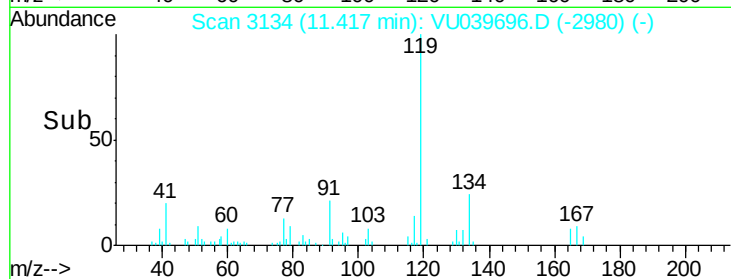
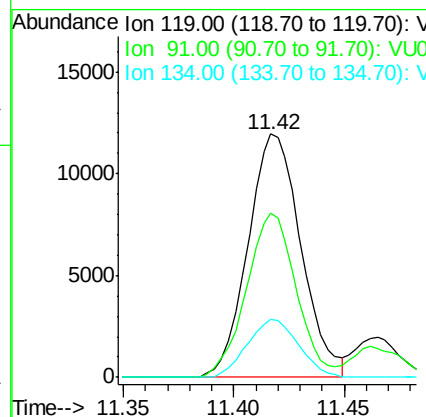
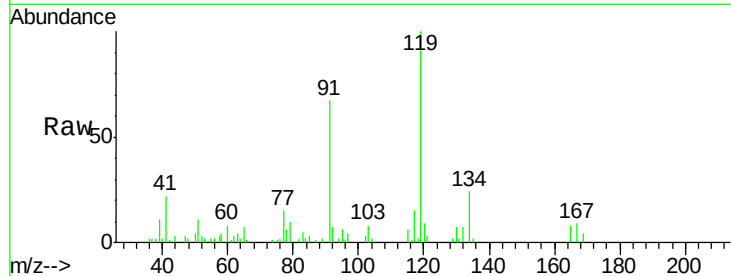
#77
 tert-Butylbenzene
 Concen: 0.874 ug/l
 RT: 11.42 min Scan# 3134
 Delta R.T. -0.00 min
 Lab File: VU039696.D
 Acq: 29 Jul 2020 11:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
119	100	19951		
91	63.4		31.9	95.5
134	22.9		18.2	27.4

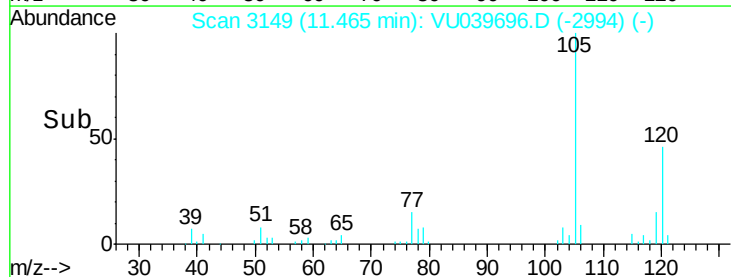
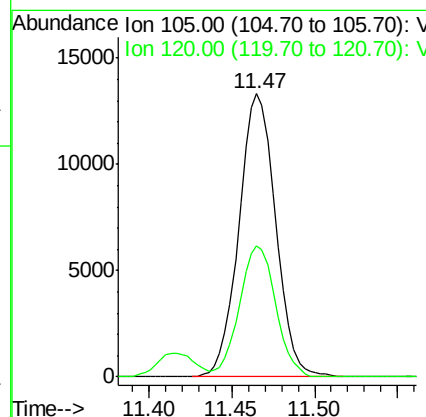
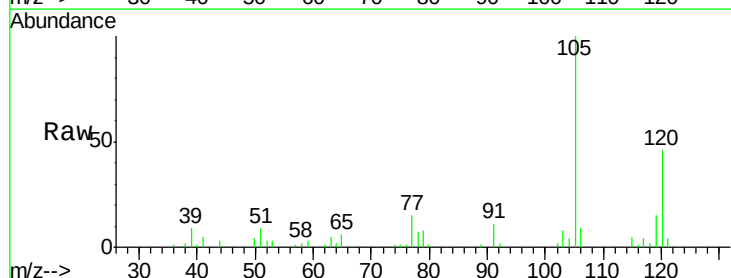
Manual Integrations
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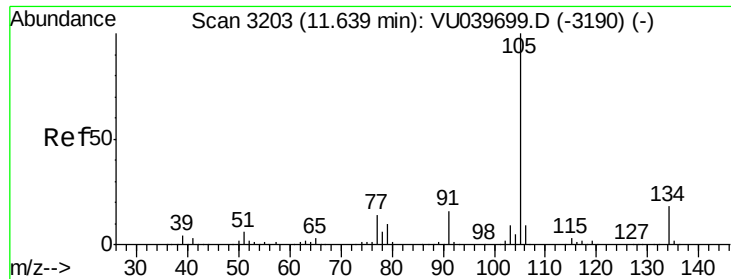
MMDadoda
 7/31/2020 3:42:46 PM



#78
 1,2,4-Trimethylbenzene
 Concen: 0.828 ug/l
 RT: 11.47 min Scan# 3149
 Delta R.T. -0.00 min
 Lab File: VU039696.D
 Acq: 29 Jul 2020 11:12

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	20506		
120	45.8		22.7	68.0





#79

sec-Butylbenzene

Concen: 0.906 ug/l

RT: 11.64 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VU039696.D

Acq: 29 Jul 2020 11:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 29566

Ion Ratio Lower Upper

105 100

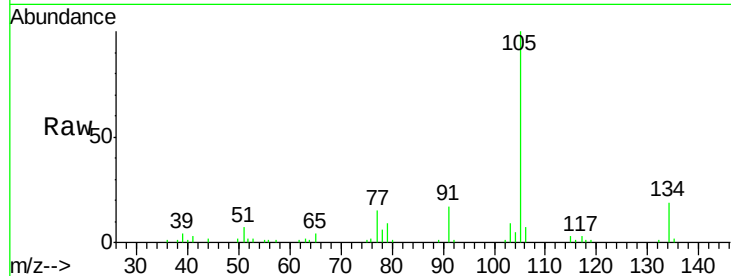
134 19.1 14.8 22.2

Manual Integrations

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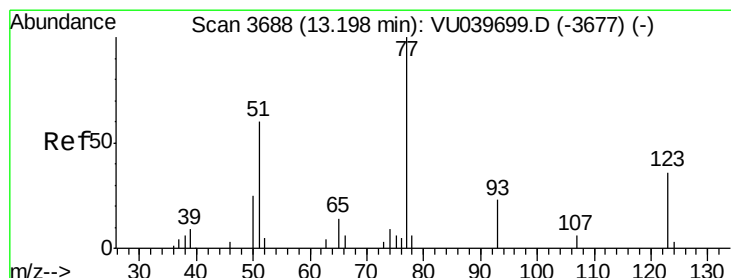
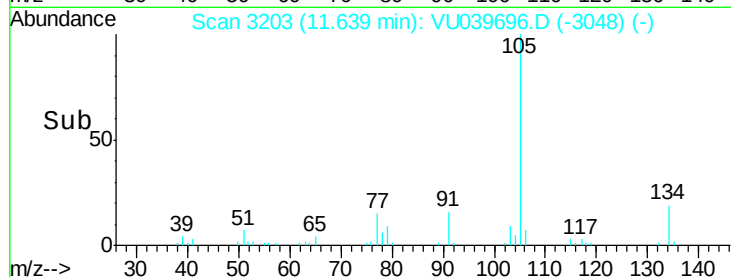
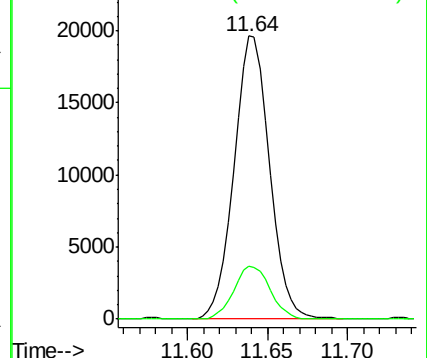
MMDadoda

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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: 3.085 ug/l

RT: 13.20 min Scan# 3689

Delta R.T. 0.00 min

Lab File: VU039696.D

Acq: 29 Jul 2020 11:12

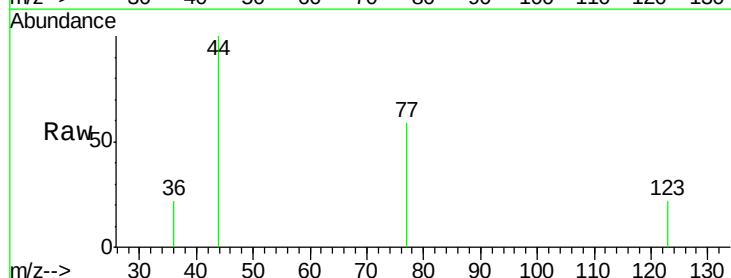
Tgt Ion: 77 Resp: 488

Ion Ratio Lower Upper

77 100

123 28.1 16.9 59.9

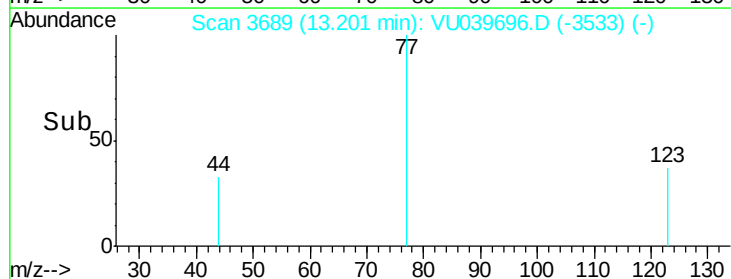
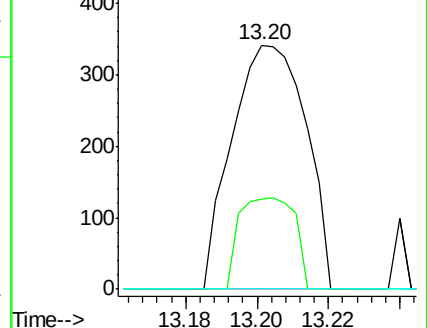
65 0.0 14.4 18.4#

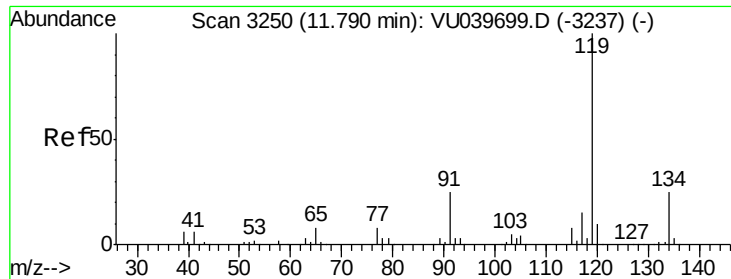


Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0





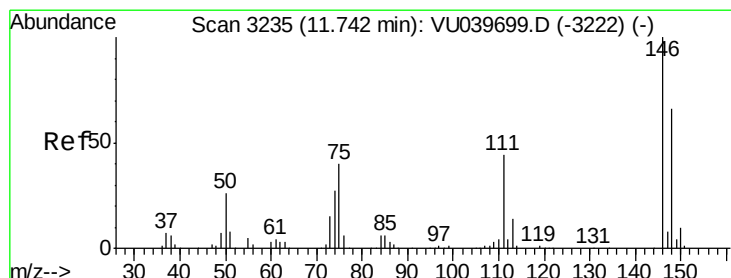
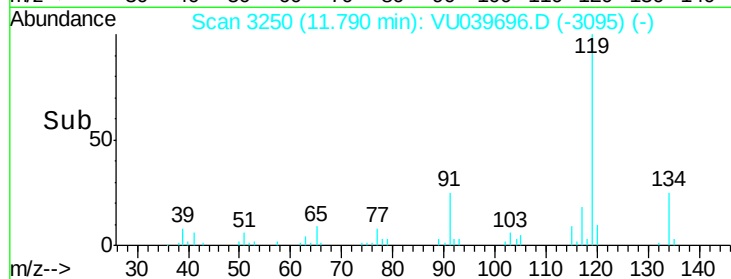
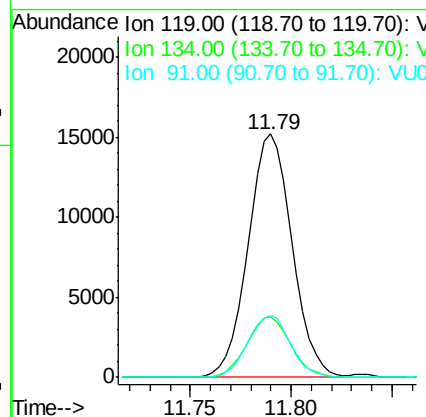
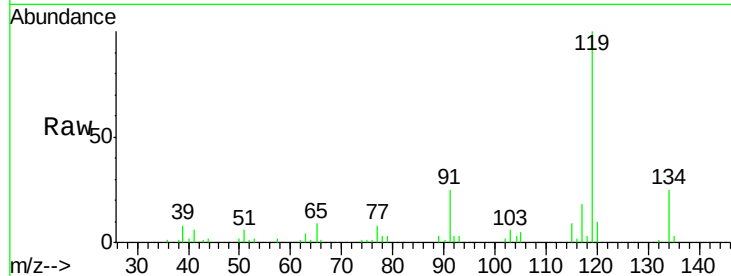
#81
 p-Isopropyltoluene
 Concen: 0.881 ug/l
 RT: 11.79 min Scan# 3250
 Delta R.T. -0.00 min
 Lab File: VU039696.D
 Acq: 29 Jul 2020 11:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
119	100		
134	24.6	20.2	30.4
91	24.7	20.7	31.1

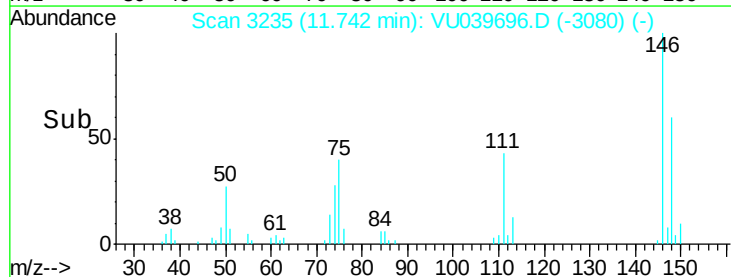
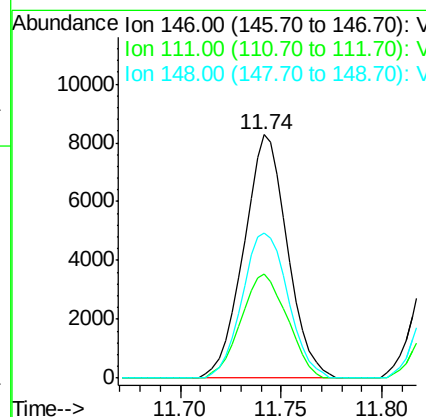
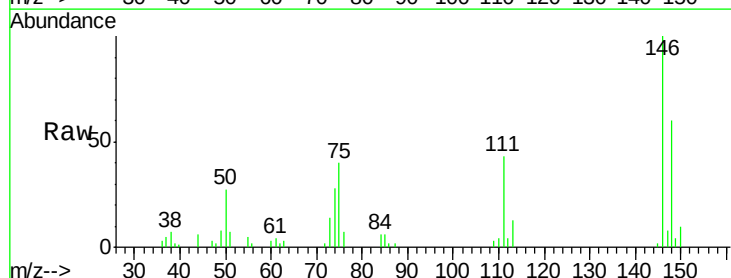
Manual Integrations
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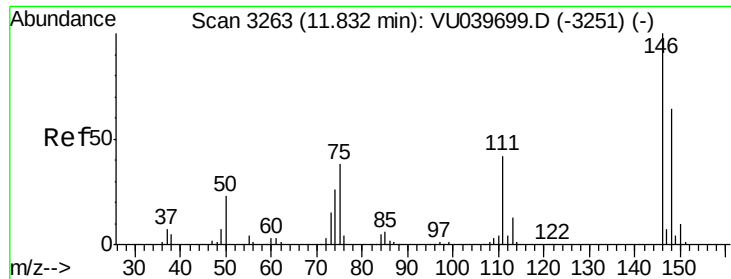
MMDadoda
 7/31/2020 3:42:46 PM



#82
 1,3-Dichlorobenzene
 Concen: 0.943 ug/l
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU039696.D
 Acq: 29 Jul 2020 11:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.3	34.5	51.7
148	62.7	51.4	77.0





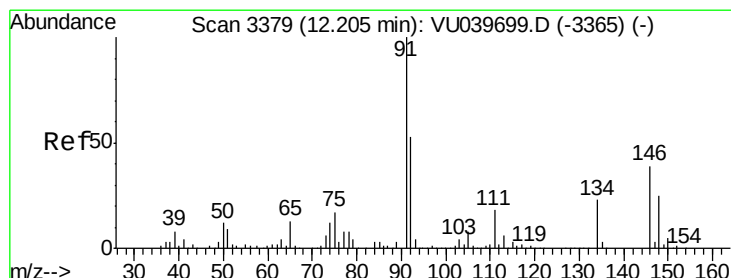
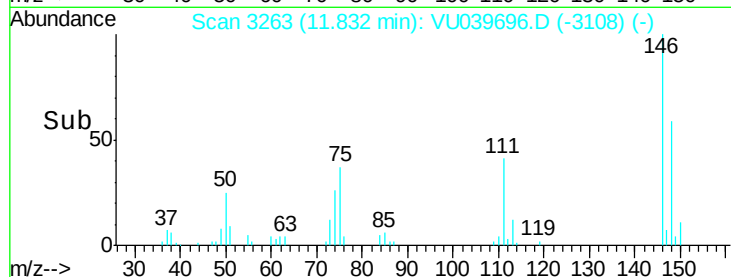
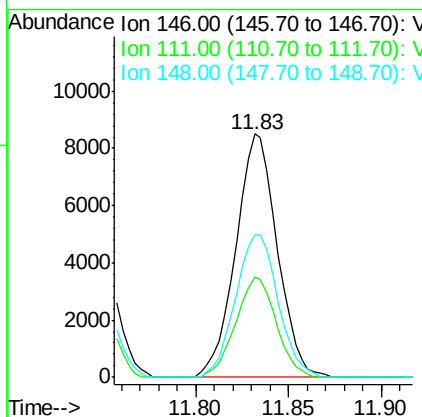
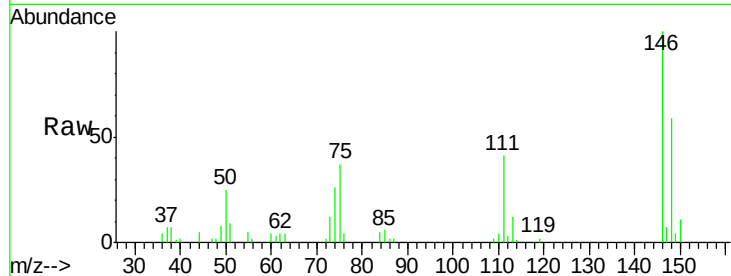
#83
 1,4-Dichlorobenzene
 Concen: 0.979 ug/l
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU039696.D
 Acq: 29 Jul 2020 11:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	33.8	50.6
148	60.2	51.1	76.7

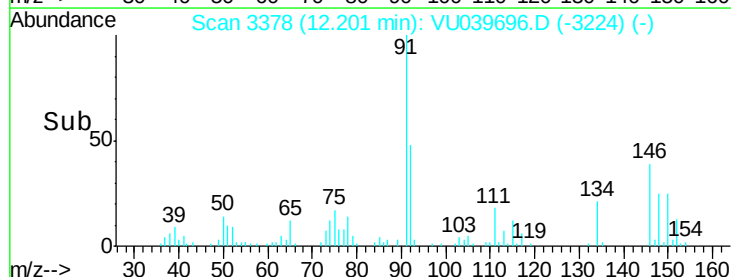
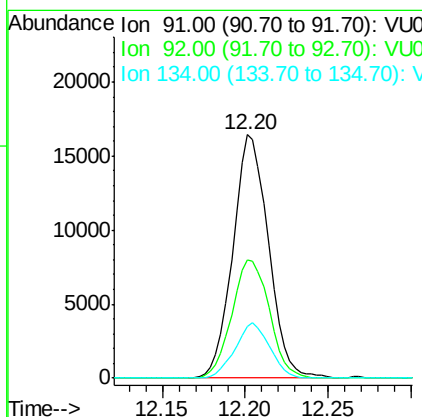
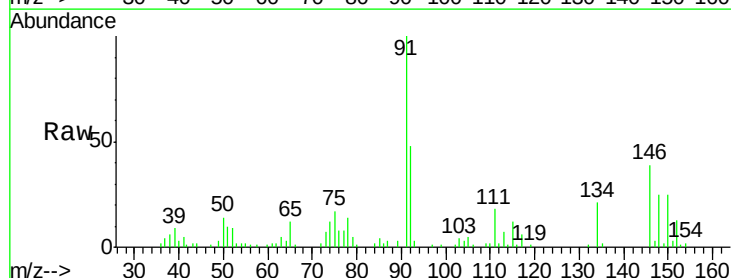
Manual Integrations
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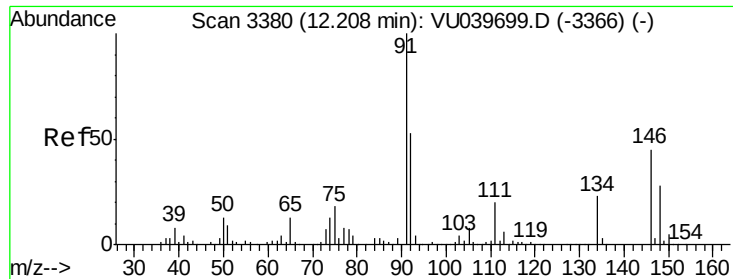
MMDadoda
 7/31/2020 3:42:46 PM



#84
 n-Butylbenzene
 Concen: 0.928 ug/l
 RT: 12.20 min Scan# 3378
 Delta R.T. -0.00 min
 Lab File: VU039696.D
 Acq: 29 Jul 2020 11:12

Tgt Ion	Ratio	Lower	Upper
91	100		
92	50.9	42.6	64.0
134	21.9	18.2	27.4





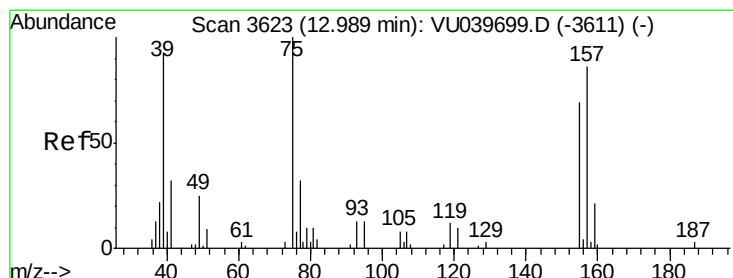
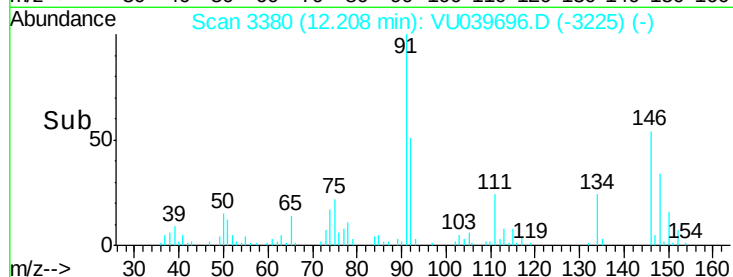
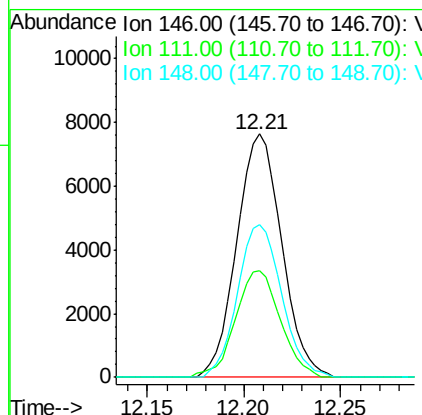
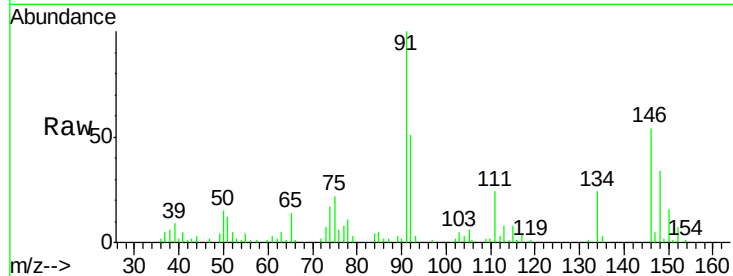
#85
 1,2-Dichlorobenzene
 Concen: 0.991 ug/l
 RT: 12.21 min Scan# 3380
 Delta R.T. -0.00 min
 Lab File: VU039696.D
 Acq: 29 Jul 2020 11:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	22.8	68.3
148	61.6	31.7	95.1

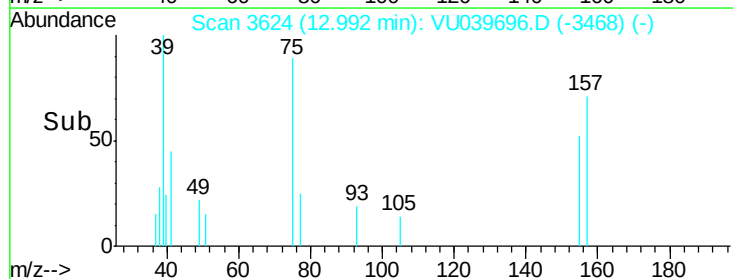
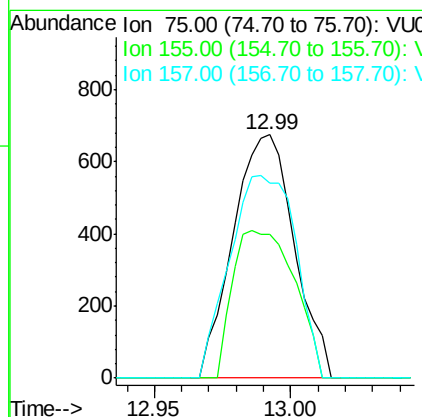
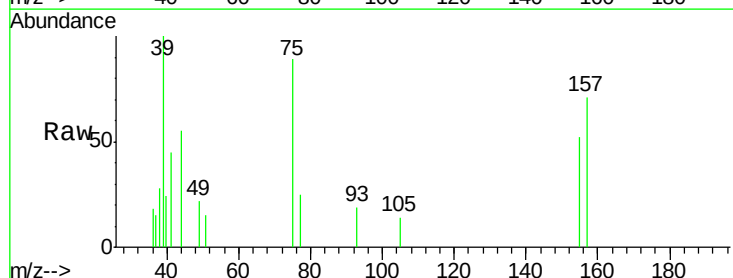
Manual Integrations
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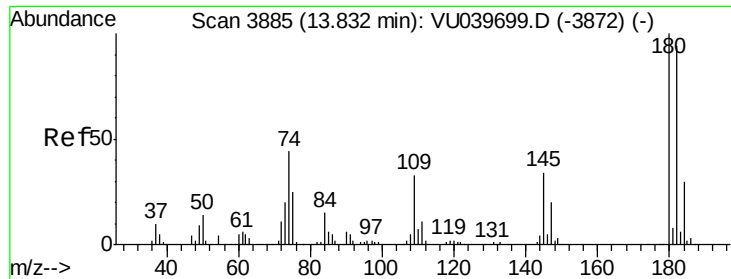
MMDadoda
 7/31/2020 3:42:46 PM



#86
 1,2-Dibromo-3-Chloropropane
 Concen: 1.108 ug/l
 RT: 12.99 min Scan# 3624
 Delta R.T. 0.00 min
 Lab File: VU039696.D
 Acq: 29 Jul 2020 11:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	61.5	52.9	79.3
157	90.1	67.8	101.6





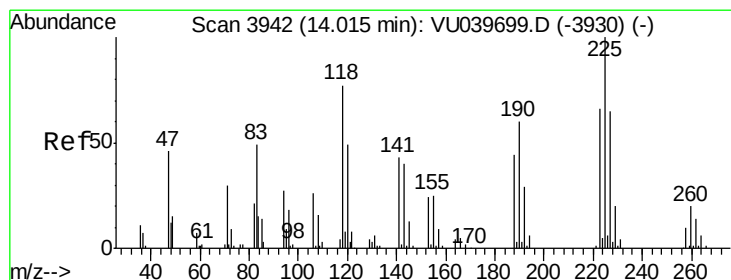
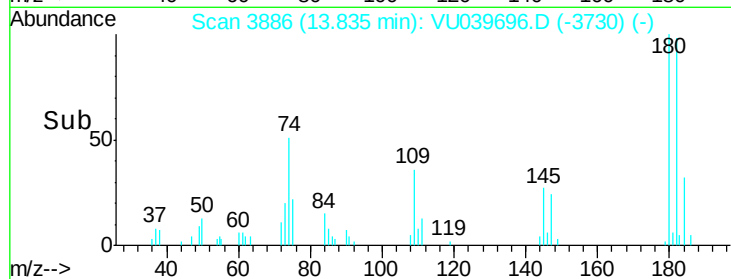
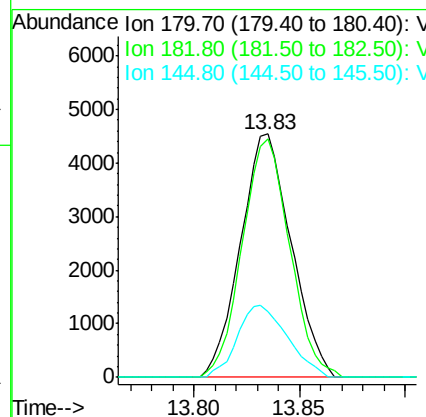
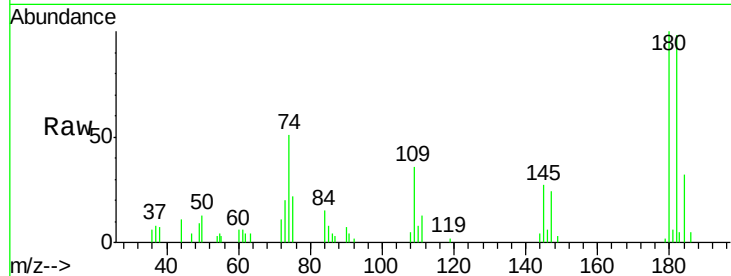
#87
 1,2,4-Trichlorobenzene
 Concen: 0.847 ug/l
 RT: 13.83 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VU039696.D
 Acq: 29 Jul 2020 11:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.8	76.2	114.4
145	29.3	26.8	40.2

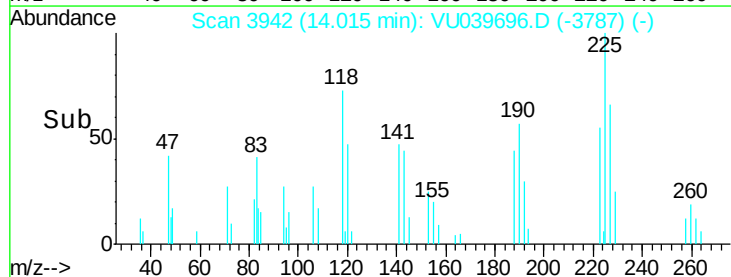
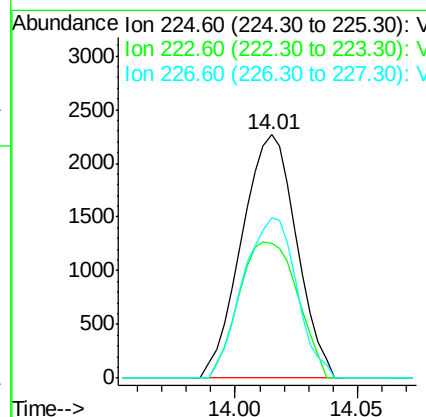
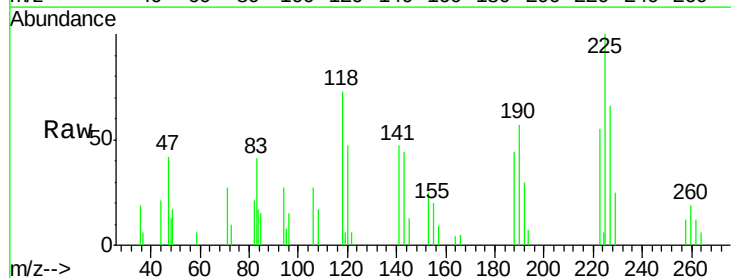
Manual Integrations
 APPROVED

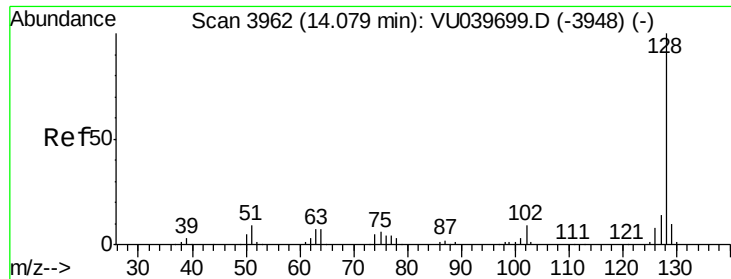
MMDadoda
 7/31/2020 3:42:46 PM



#88
 Hexachlorobutadiene
 Concen: 0.893 ug/l
 RT: 14.01 min Scan# 3942
 Delta R.T. -0.00 min
 Lab File: VU039696.D
 Acq: 29 Jul 2020 11:12

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.8	52.4	78.6
227	64.7	50.7	76.1





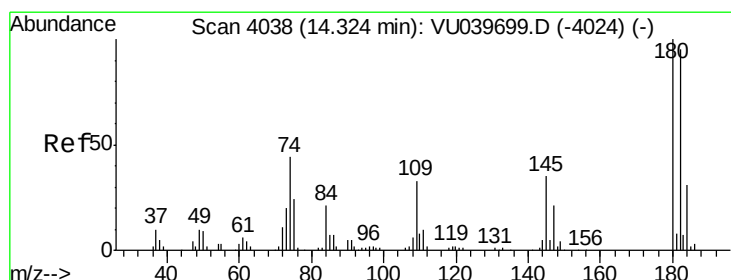
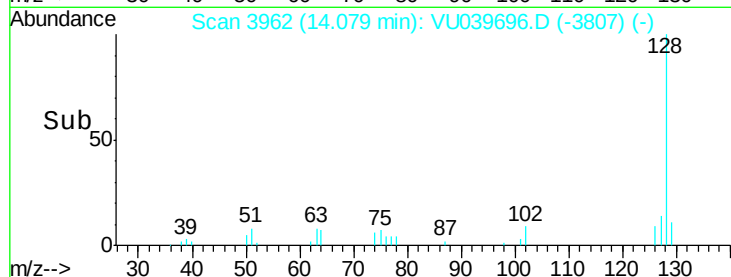
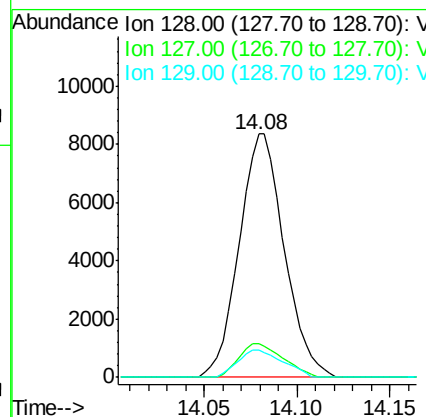
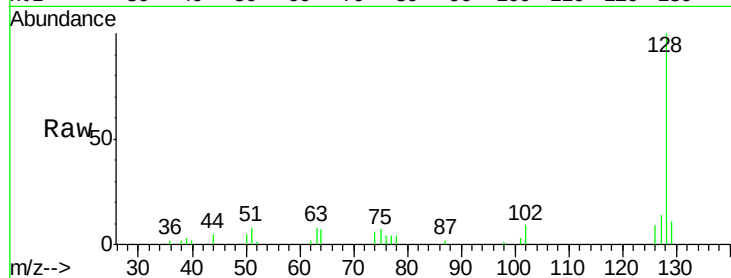
#89
Naphthalene
Concen: 0.800 ug/l
RT: 14.08 min Scan# 3962
Delta R.T. -0.00 min
Lab File: VU039696.D
Acq: 29 Jul 2020 11:12

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.7	11.0	16.4
129	11.2	8.4	12.6

Manual Integrations
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7/31/2020 3:42:46 PM



#90
1,2,3-Trichlorobenzene
Concen: 0.848 ug/l
RT: 14.32 min Scan# 4038
Delta R.T. -0.00 min
Lab File: VU039696.D
Acq: 29 Jul 2020 11:12

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	76.0	114.0
145	37.4	27.8	41.6

