

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U072920\
 Data File : VU039695.D
 Acq On : 29 Jul 2020 10:40
 Operator : SY/MD
 Sample : VSTDIC0.5
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Manual Integrations
 APPROVED

MMDadoda

7/31/2020 3:42:39 PM

Quant Time: Jul 30 09:23:21 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	6.12	96	22895	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.63	95	8116	0.91	ug/l	0.00
Spiked Amount 1.000			Recovery	=	91.00%	
68) 1,2-Dichlorobenzene-d4	12.19	152	6985	0.80	ug/l	0.00
Spiked Amount 1.000			Recovery	=	80.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.39	85	3361	0.430	ug/l	85
3) Chloromethane	1.53	50	4489	0.482	ug/l	97
4) Vinyl Chloride	1.61	62	4151	0.455	ug/l	98
5) Bromomethane	1.86	94	3309	0.585	ug/l	99
6) Chloroethane	1.94	64	3704	0.666	ug/l	90
7) Trichlorofluoromethane	2.15	101	5312	0.535	ug/l	90
8) 1,1,2-Trichloro-1,2,2-trif	2.59	101	2896	0.475	ug/l	99
9) 1,1-Dichloroethene	2.59	96	2828	0.467	ug/l	98
10) Iodomethane	2.74	142	2209	0.549	ug/l	100
11) Allyl Chloride	2.93	41	5874	0.512	ug/l	98
12) Acrylonitrile	3.34	53	2137	1.242	ug/l	89
13) Acetone	2.65	43	5685	3.992	ug/l	96
14) Carbon Disulfide	2.81	76	10184	0.461	ug/l	96
15) Methylene Chloride	3.06	84	5260	0.626	ug/l	94
16) trans-1,2-Dichloroethene	3.37	96	3119	0.470	ug/l	89
17) 1,1-Dichloroethane	3.89	63	6806	0.525	ug/l	96
18) 2-Butanone	4.75	43	9049	4.119	ug/l	99
19) Cyclohexane	5.40	56	6631m	0.531	ug/l	
20) Methylcyclohexane	6.77	83	4837	0.410	ug/l	95
21) 2,2-Dichloropropane	4.69	77	6405	0.598	ug/l #	72
22) cis-1,2-Dichloroethene	4.69	96	3347	0.476	ug/l	88
23) Diethyl Ether	2.39	59	2781	0.512	ug/l	95
24) tert-Butyl Alcohol	3.22	59	4155	6.716	ug/l #	83
25) Methyl tert-Butyl Ether	3.39	73	8823	0.515	ug/l	94
26) Bromochloromethane	4.99	128	1609	0.567	ug/l	80
27) Chloroform	5.11	83	6602	0.545	ug/l	96
28) 1,1,1-Trichloroethane	5.34	97	5182	0.521	ug/l	99
29) 1,1-Dichloropropene	5.54	75	5073	0.512	ug/l	97
30) Carbon Tetrachloride	5.54	117	4205	0.508	ug/l	93
31) Isopropyl Ether	4.02	45	12195	0.561	ug/l	94
32) Ethyl-t-butyl ether	4.53	59	10644	0.550	ug/l	98
33) Tert-Amyl methyl ether	5.96	73	8649	0.533	ug/l	97
34) Propionitrile	4.82	54	1714	2.808	ug/l #	83
35) Benzene	5.79	78	13687	0.503	ug/l	95
36) 1,2-Dichloroethane	5.82	62	5354	0.636	ug/l	98
37) Trichloroethene	6.55	130	2896	0.411	ug/l	95
38) 1,2-Dichloropropane	6.80	63	3345	0.450	ug/l	97
39) Methacrylonitrile	5.00	41	2054	0.713	ug/l #	86
40) Methyl acrylate	4.88	55	2630	0.628	ug/l #	86
41) Tetrahydrofuran	5.10	42	2552	1.762	ug/l #	83
42) 1-Chlorobutane	5.47	56	7439	0.512	ug/l	99

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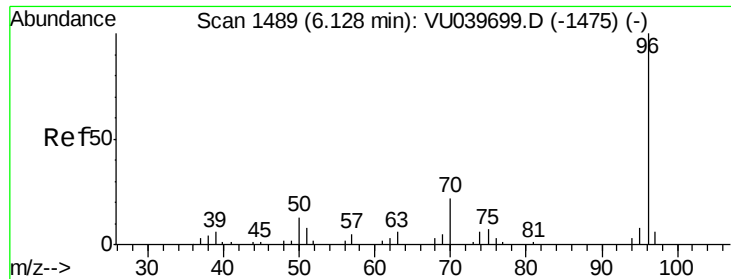
MMDadoda

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Quant Time: Jul 30 09:23:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U072920DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.93	93	1726	0.490	ug/l	97
44) Bromodichloromethane	7.12	83	3941	0.450	ug/l	99
45) 4-Methyl-2-Pentanone	7.81	43	14428	2.908	ug/l	92
46) t-1,4-Dichloro-2-butene	10.83	75	1241m	0.819	ug/l	
47) Methyl methacrylate	6.98	69	3021	0.846	ug/l	91
48) Ethyl methacrylate	8.34	69	2835	0.431	ug/l	99
49) Toluene	7.98	92	6870	0.400	ug/l	97
50) t-1,3-Dichloropropene	8.22	75	3334	0.378	ug/l	98
51) cis-1,3-Dichloropropene	7.62	75	4038	0.385	ug/l	96
52) 1,1,2-Trichloroethane	8.41	97	2370	0.481	ug/l	97
53) 1,3-Dichloropropane	8.58	76	4164	0.449	ug/l	99
54) 2-Hexanone	8.70	43	9988	2.839	ug/l	92
55) Dibromochloromethane	8.82	129	2263	0.415	ug/l	96
56) 1,2-Dibromoethane	8.93	107	2098	0.448	ug/l	91
58) Tetrachloroethene	8.56	164	2301	0.356	ug/l	97
59) Chlorobenzene	9.45	112	7336	0.404	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.54	131	2358	0.422	ug/l	95
61) Pentachloroethane	11.43	117	2068	0.478	ug/l	84
62) Hexachloroethane	12.47	117	1683	0.379	ug/l	92
63) Ethyl Benzene	9.57	91	11583	0.356	ug/l	97
64) m/p-Xylenes	9.70	106	9259	0.737	ug/l	93
65) o-Xylene	10.10	106	4435	0.364	ug/l	98
66) Styrene	10.12	104	7027	0.347	ug/l	97
67) Bromoform	10.29	173	972	0.339	ug/l #	83
69) Isopropylbenzene	10.48	105	11621	0.365	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.78	83	3235	0.500	ug/l #	91
71) 1,2,3-Trichloropropane	10.83	75	2340m	0.479	ug/l	
72) Bromobenzene	10.78	156	2808	0.396	ug/l	97
73) n-propylbenzene	10.91	120	3124	0.356	ug/l	96
74) 2-Chlorotoluene	10.99	126	2760	0.375	ug/l	96
75) 1,3,5-Trimethylbenzene	11.09	105	9446	0.353	ug/l	98
76) 4-Chlorotoluene	11.10	126	2799	0.365	ug/l	100
77) tert-Butylbenzene	11.42	119	9264	0.365	ug/l	100
78) 1,2,4-Trimethylbenzene	11.47	105	9690	0.352	ug/l	95
79) sec-Butylbenzene	11.64	105	12742	0.351	ug/l	99
81) p-Isopropyltoluene	11.79	119	10043	0.343	ug/l	96
82) 1,3-Dichlorobenzene	11.74	146	6005	0.406	ug/l	99
83) 1,4-Dichlorobenzene	11.83	146	6004	0.401	ug/l	97
84) n-Butylbenzene	12.20	91	10666	0.362	ug/l	99
85) 1,2-Dichlorobenzene	12.21	146	5961	0.429	ug/l	96
86) 1,2-Dibromo-3-Chloropropan	12.99	75	438	0.416	ug/l	86
87) 1,2,4-Trichlorobenzene	13.83	180	3434	0.345	ug/l	91
88) Hexachlorobutadiene	14.01	225	1576	0.358	ug/l	92
89) Naphthalene	14.08	128	7199	0.368	ug/l	97
90) 1,2,3-Trichlorobenzene	14.32	180	3453	0.388	ug/l	98

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.12 min Scan# 1488

Delta R.T. -0.00 min

Lab File: VU039695.D

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Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

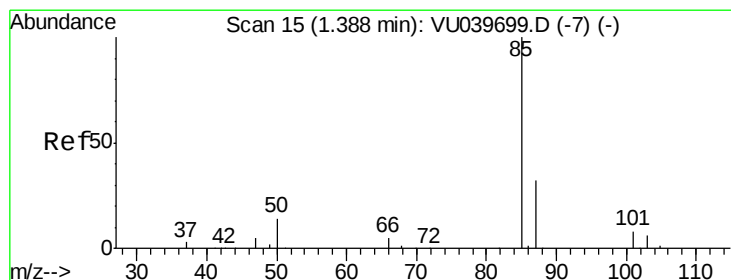
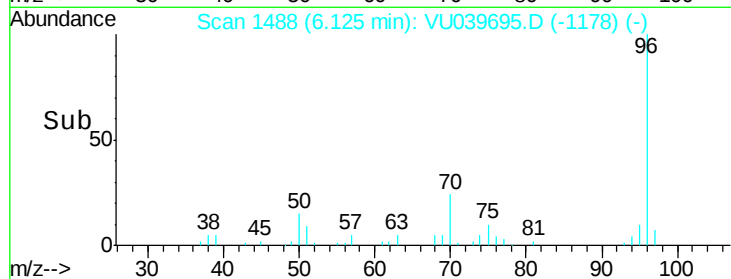
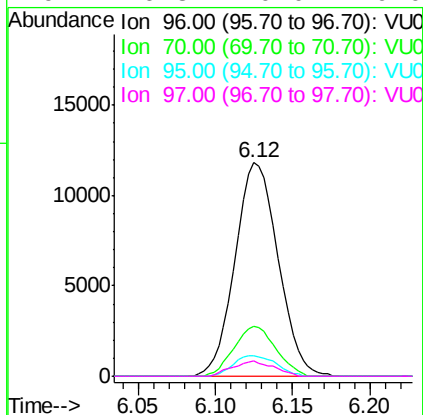
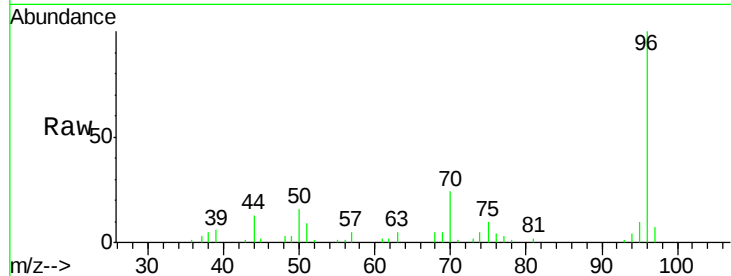
Tot Ion: 96 Resp: 22895

Ion	Ratio	Lower	Upper
96	100		
70	22.7	16.3	24.5
95	9.6	6.8	10.2
97	6.8	0.0	0.0#

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#2

Dichlorodifluoromethane

Concen: 0.430 ug/l

RT: 1.39 min Scan# 15

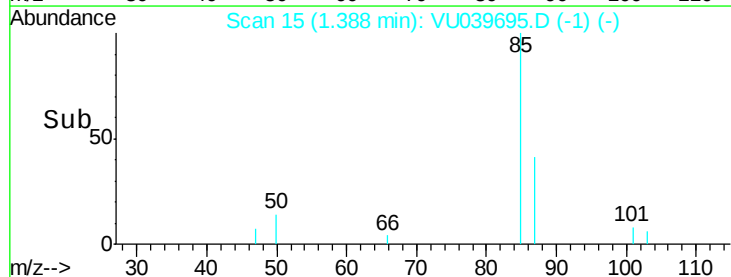
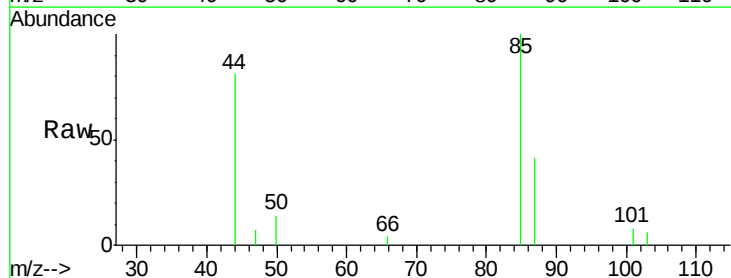
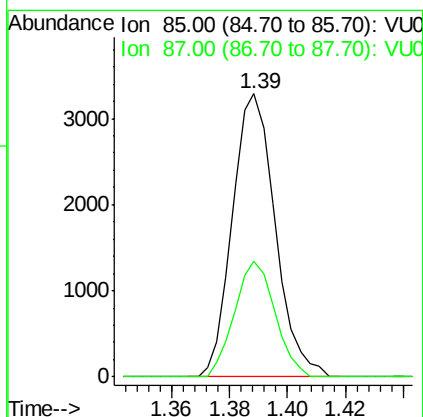
Delta R.T. 0.00 min

Lab File: VU039695.D

Acq: 29 Jul 2020 10:40

Tgt Ion: 85 Resp: 3361

Ion	Ratio	Lower	Upper
85	100		
87	40.7	16.2	48.6





#3
 Chloromethane
 Concen: 0.482 ug/l
 RT: 1.53 min Scan# 59
 Delta R.T. 0.00 min
 Lab File: VU039695.D
 Acq: 29 Jul 2020 10:40

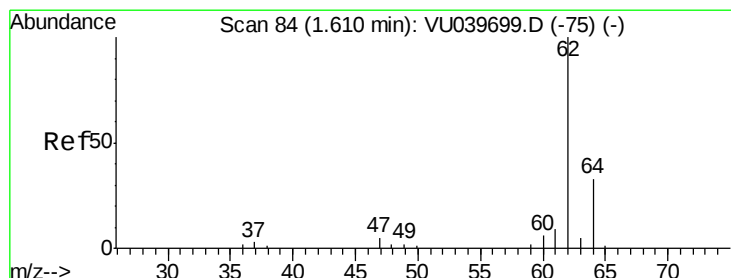
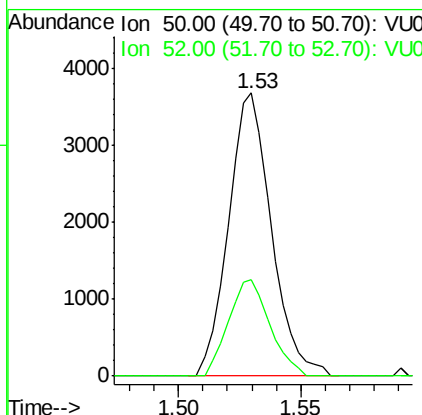
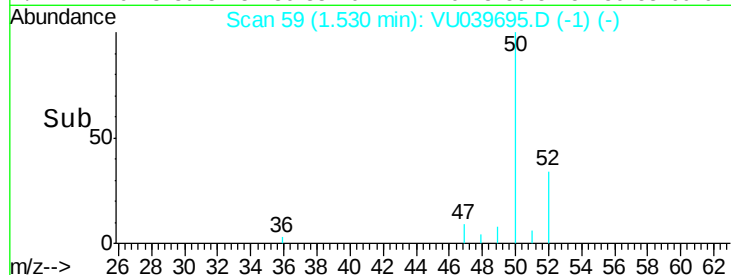
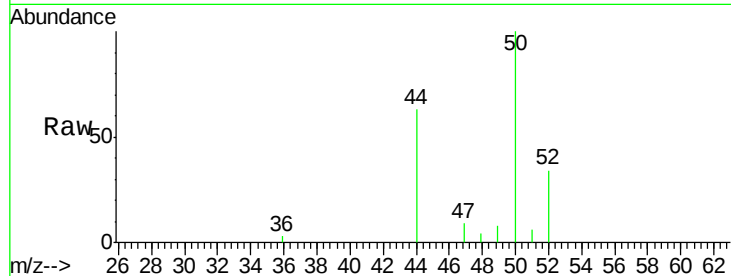
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion: 50 Resp: 4489
 Ion Ratio Lower Upper
 50 100
 52 33.9 26.0 39.0

Manual Integrations
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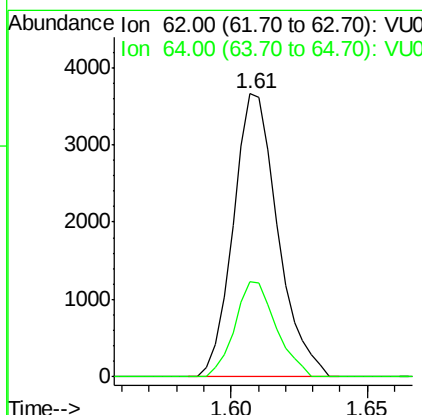
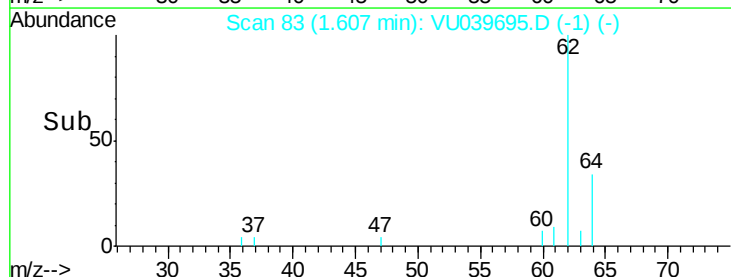
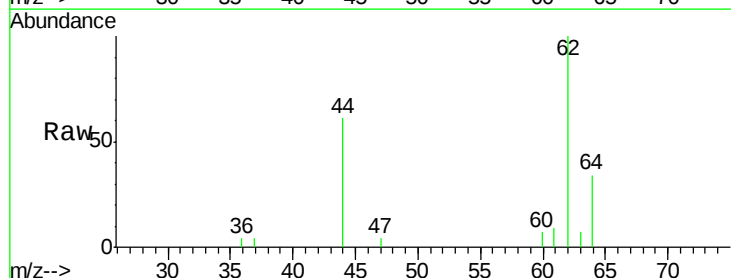
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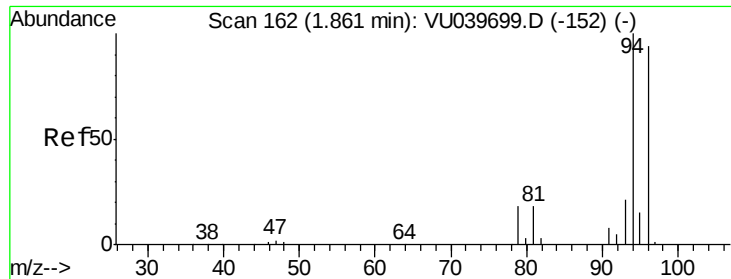
7/31/2020 3:42:39 PM



#4
 Vinyl Chloride
 Concen: 0.455 ug/l
 RT: 1.61 min Scan# 83
 Delta R.T. -0.00 min
 Lab File: VU039695.D
 Acq: 29 Jul 2020 10:40

Tgt Ion: 62 Resp: 4151
 Ion Ratio Lower Upper
 62 100
 64 33.7 26.0 39.0





#5

Bromomethane

Concen: 0.585 ug/l

RT: 1.86 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU039695.D

Acq: 29 Jul 2020 10:40

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 94 Resp: 3309

Ion Ratio Lower Upper

94 100

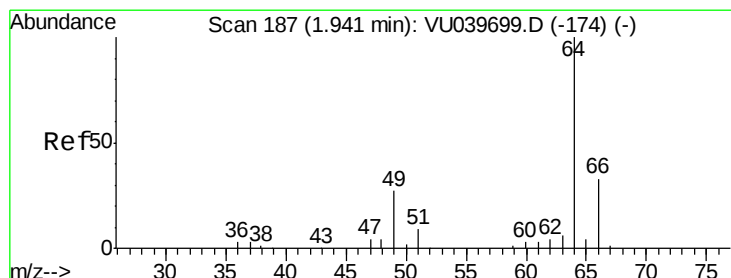
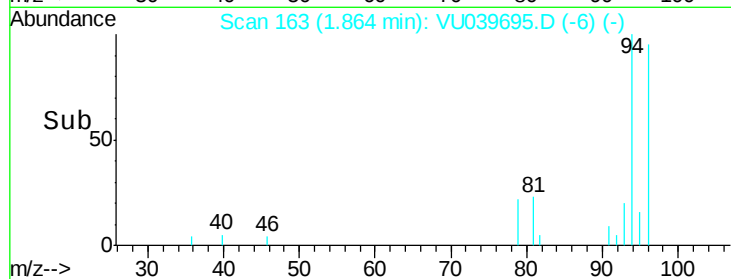
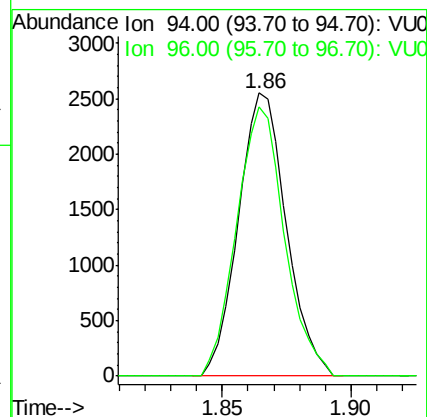
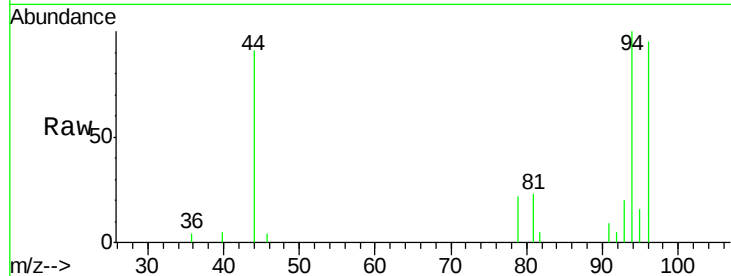
96 95.1 75.0 112.6

Manual Integrations

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#6

Chloroethane

Concen: 0.666 ug/l

RT: 1.94 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU039695.D

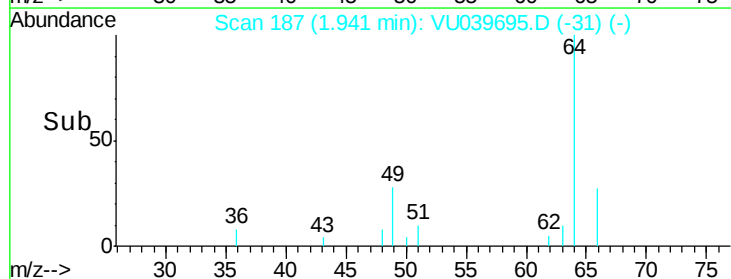
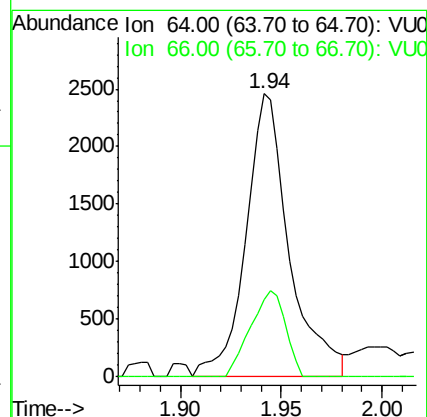
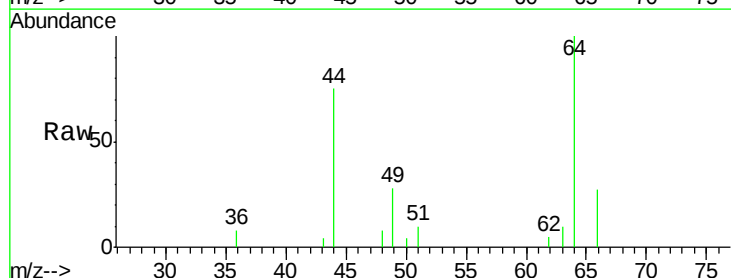
Acq: 29 Jul 2020 10:40

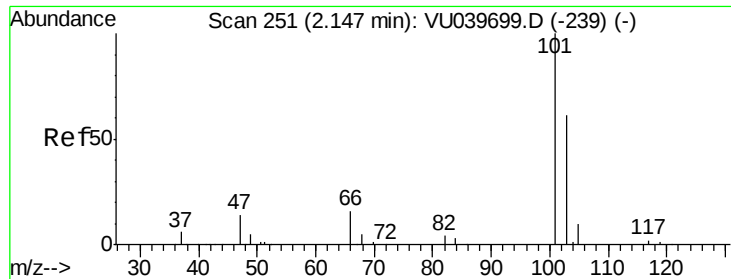
Tgt Ion: 64 Resp: 3704

Ion Ratio Lower Upper

64 100

66 27.3 26.2 39.2





#7

Trichlorofluoromethane
Concen: 0.535 ug/l
RT: 2.15 min Scan# 252
Delta R.T. 0.00 min
Lab File: VU039695.D
Acq: 29 Jul 2020 10:40

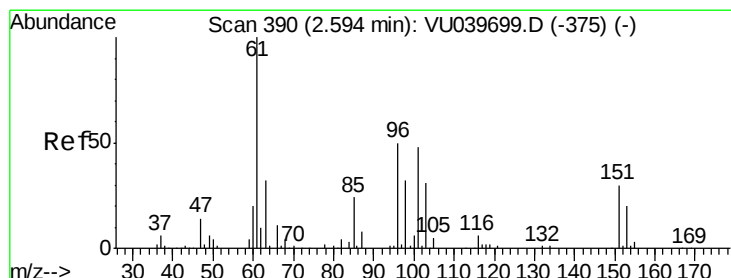
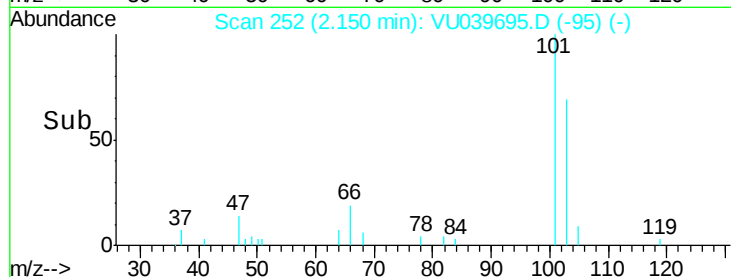
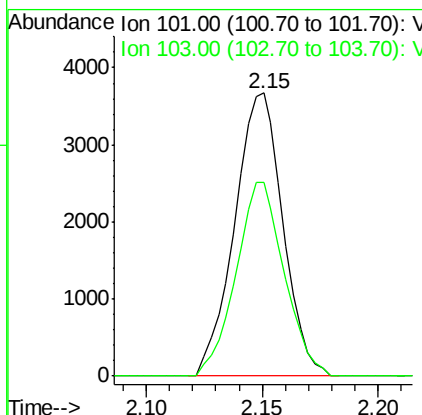
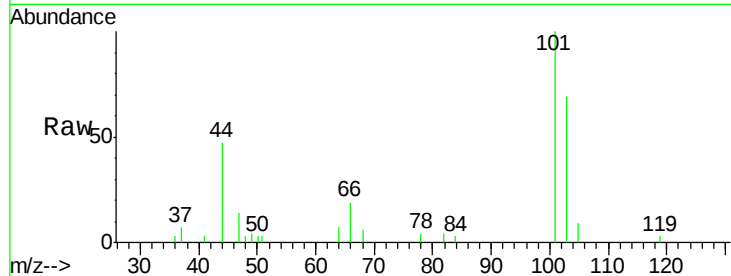
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
101	100		
103	68.7	48.8	73.2

Manual Integrations
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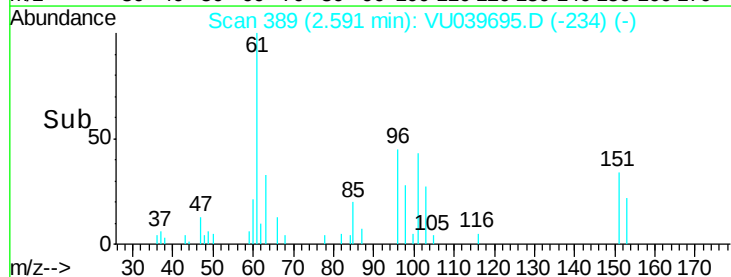
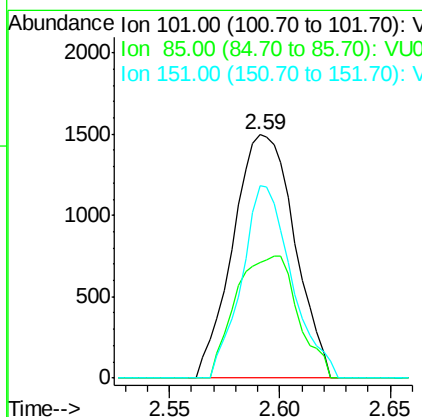
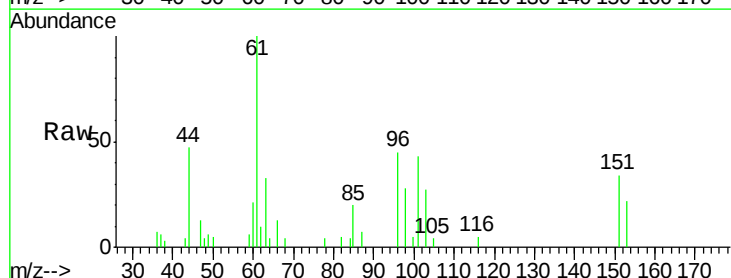
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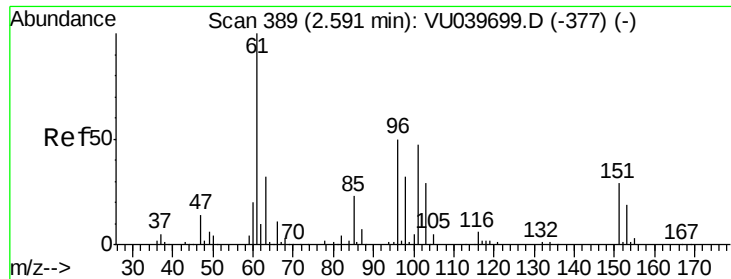


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.475 ug/l
RT: 2.59 min Scan# 389
Delta R.T. -0.00 min
Lab File: VU039695.D
Acq: 29 Jul 2020 10:40

Tgt Ion	Ratio	Lower	Upper
101	100		
85	50.6	39.9	59.9
151	64.4	51.0	76.4





#9

1,1-Dichloroethene

Concen: 0.467 ug/l

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU039695.D

Acq: 29 Jul 2020 10:40

Instrument :

MSVOA_U

ClientSampleId :

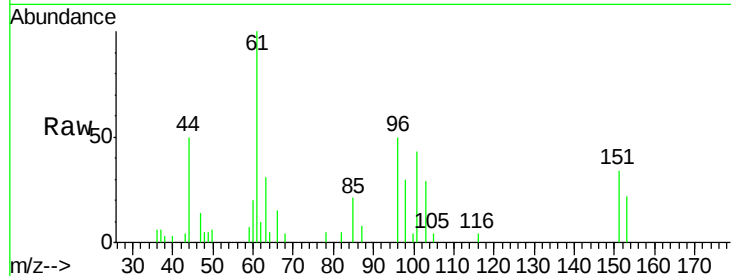
VSTDIC0.5

Tot Ion:	96	Resp:	2828
Ion	Ratio	Lower	Upper
96	100		
61	199.4	0.0	604.5
98	60.8	0.0	127.2

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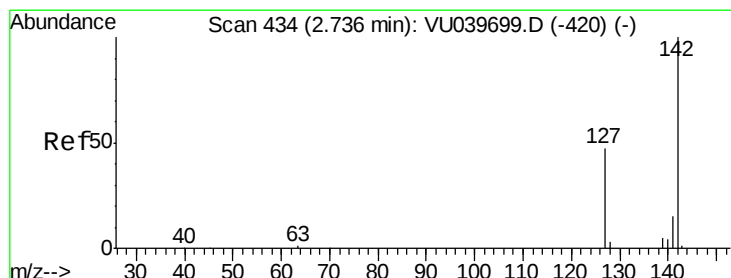
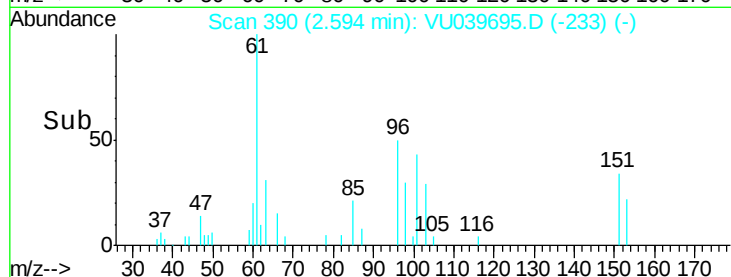
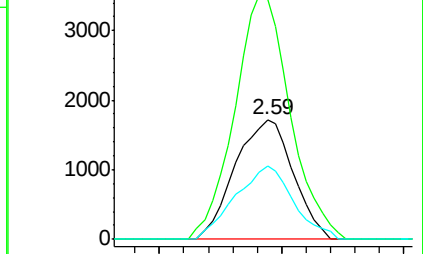
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Abundance Ion 96.00 (95.70 to 96.70): VU039699.D (-377) (-)

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: 0.549 ug/l

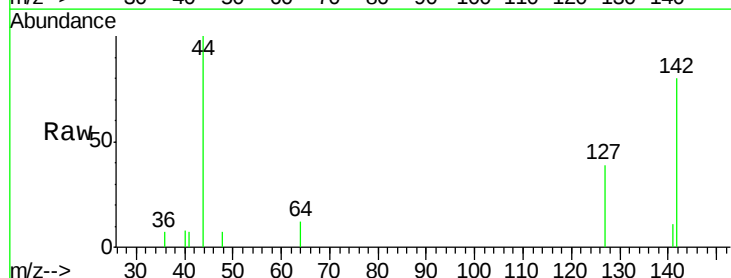
RT: 2.74 min Scan# 435

Delta R.T. 0.00 min

Lab File: VU039695.D

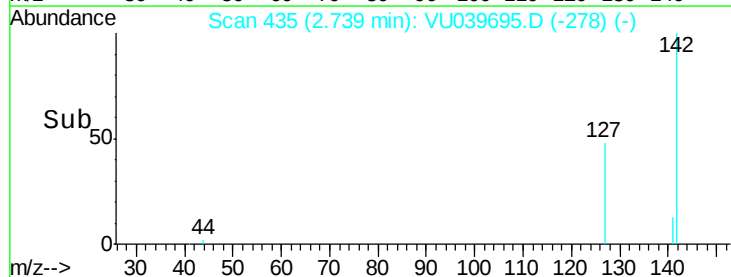
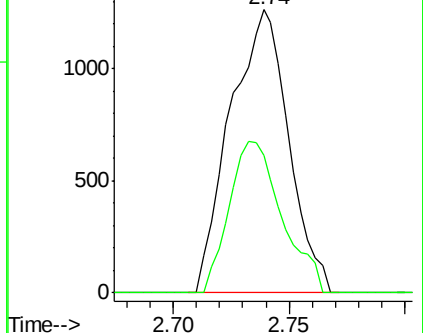
Acq: 29 Jul 2020 10:40

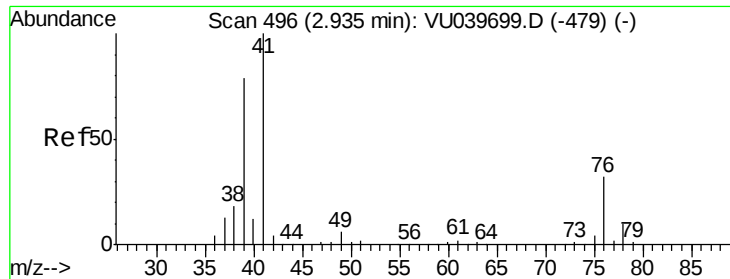
Tgt Ion:	142	Resp:	2209
Ion	Ratio	Lower	Upper
142	100		
127	48.3	38.4	57.6



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

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





#11
Allv1 Chloride
Concen: 0.512 ug/l
RT: 2.93 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU039695.D
Acq: 29 Jul 2020 10:40

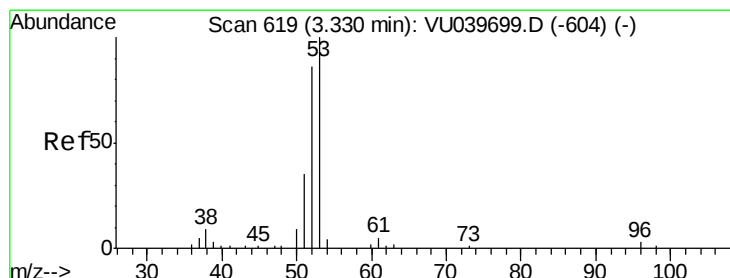
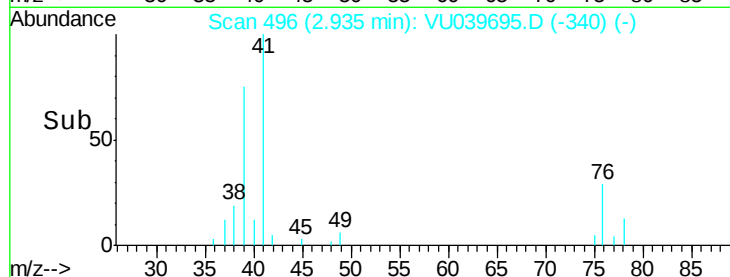
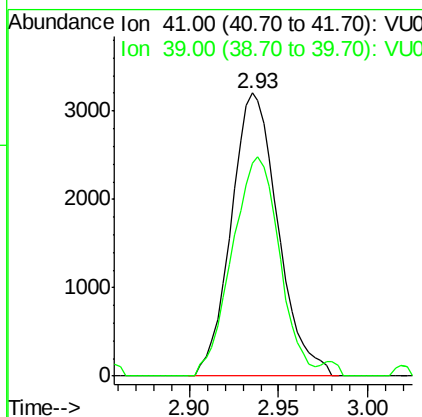
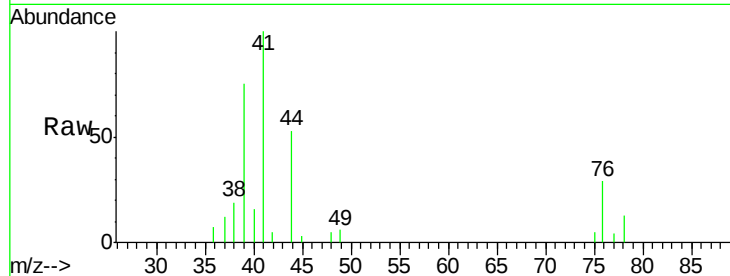
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion: 41 Resp: 5874
Ion Ratio Lower Upper
41 100
39 78.3 64.2 96.2

Manual Integrations
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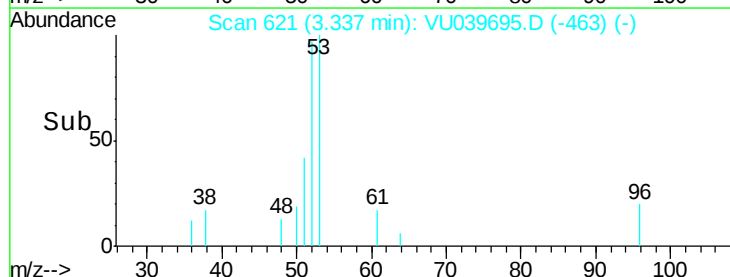
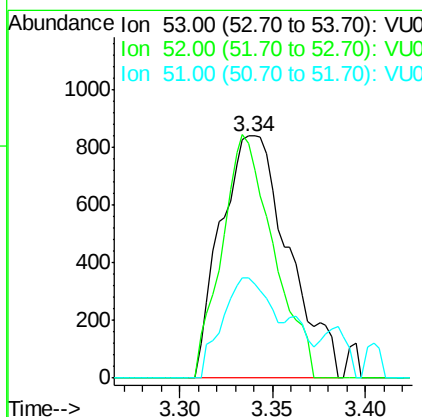
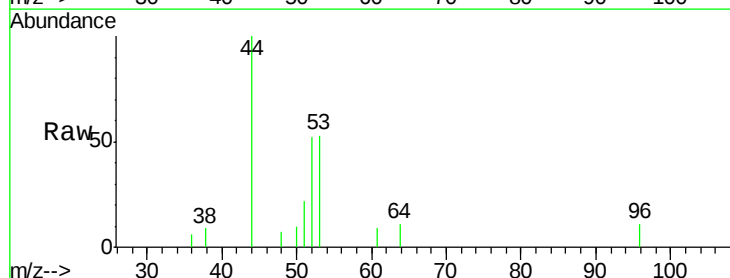
MMDadoda

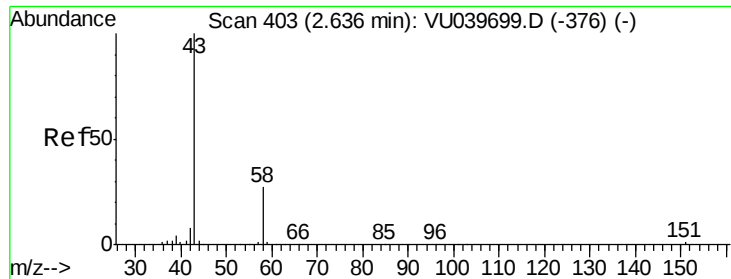
7/31/2020 3:42:39 PM



#12
Acrylonitrile
Concen: 1.242 ug/l
RT: 3.34 min Scan# 621
Delta R.T. 0.01 min
Lab File: VU039695.D
Acq: 29 Jul 2020 10:40

Tgt Ion: 53 Resp: 2137
Ion Ratio Lower Upper
53 100
52 76.2 69.1 103.7
51 31.2 29.4 44.2





#13

Acetone

Concen: 3.992 ug/l

RT: 2.65 min Scan# 407

Delta R.T. 0.01 min

Lab File: VU039695.D

Acq: 29 Jul 2020 10:40

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 43 Resp: 5685

Ion Ratio Lower Upper

43 100

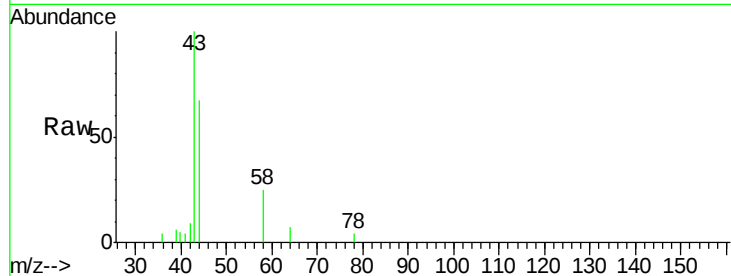
58 25.3 21.8 32.6

Manual Integrations

APPROVED

MMDadoda

7/31/2020 3:42:39 PM



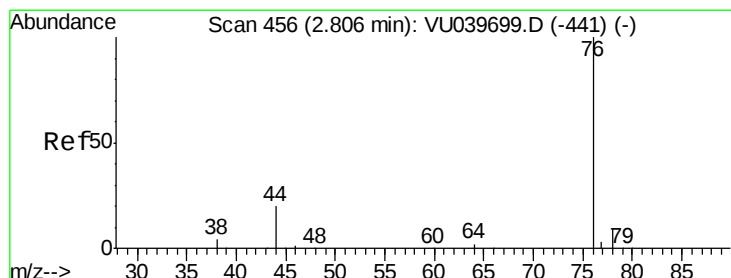
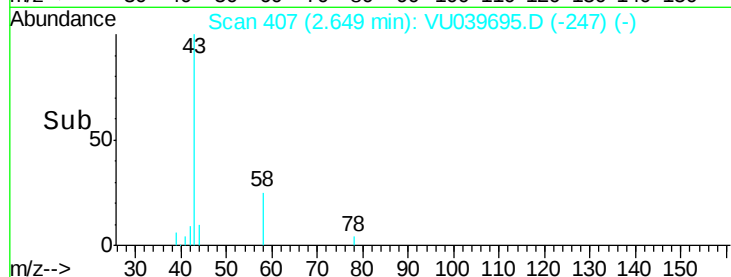
Abundance Ion 43.00 (42.70 to 43.70): VU039699.D (-376) (-)

Ion 58.00 (57.70 to 58.70): VU039699.D (-376) (-)

2.65

2.60 2.65 2.70 2.75

Time-->



#14

Carbon Disulfide

Concen: 0.461 ug/l

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU039695.D

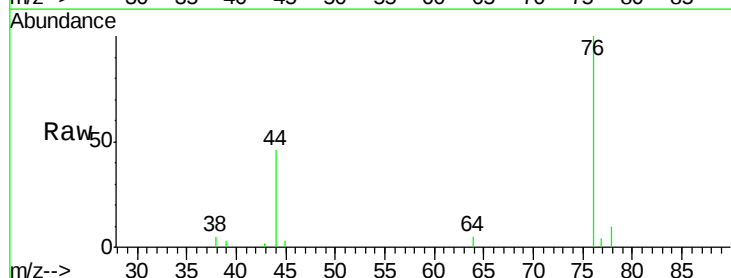
Acq: 29 Jul 2020 10:40

Tgt Ion: 76 Resp: 10184

Ion Ratio Lower Upper

76 100

78 10.3 7.0 10.6



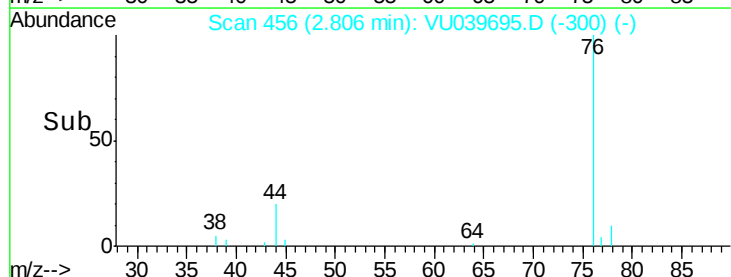
Abundance Ion 76.00 (75.70 to 76.70): VU039699.D (-441) (-)

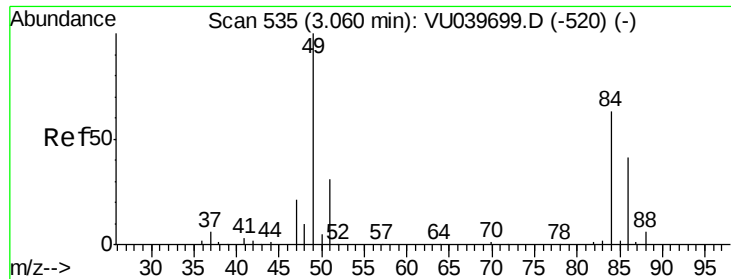
Ion 78.00 (77.70 to 78.70): VU039699.D (-441) (-)

2.81

2.75 2.80 2.85

Time-->





#15
Methvlene Chloride
Concen: 0.626 ug/l
RT: 3.06 min Scan# 534
Delta R.T. -0.00 min
Lab File: VU039695.D
Acq: 29 Jul 2020 10:40

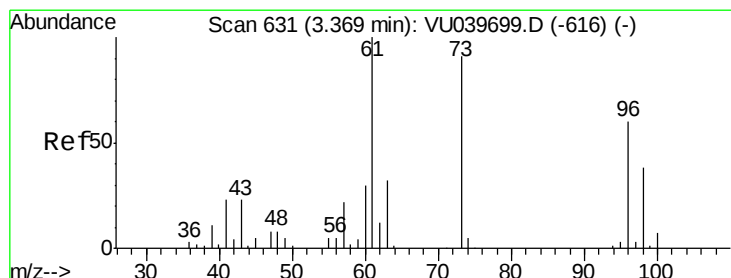
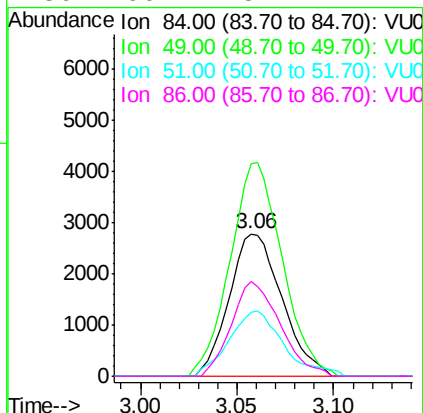
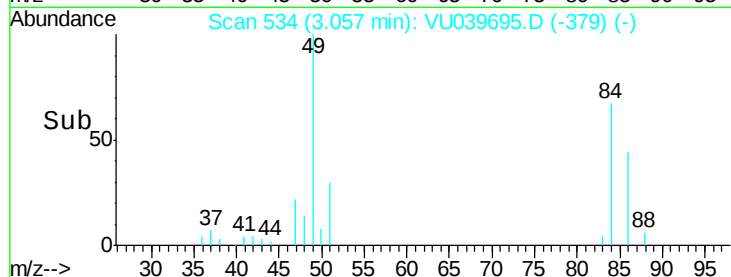
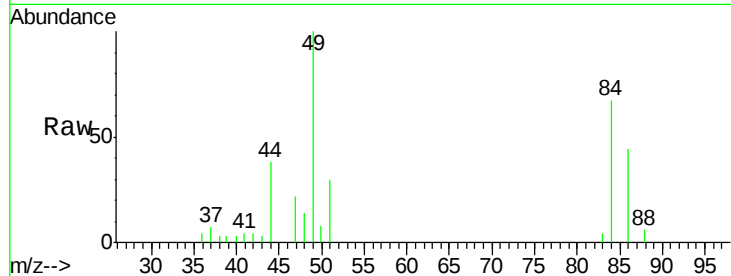
Instrument :
MSVOA_U
ClientSampled :
VSTDIC0.5

Tot Ion:	84	Resp:	5260
Ion	Ratio	Lower	Upper
84	100		
49	149.3	126.8	190.2
51	44.9	0.0	97.2
86	66.4	51.4	77.2

Manual Integrations
APPROVED

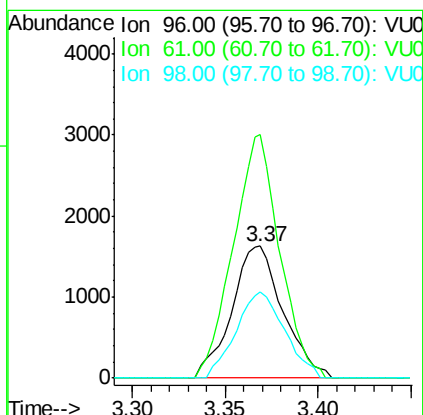
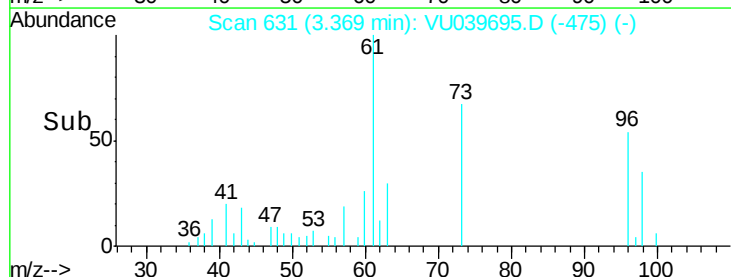
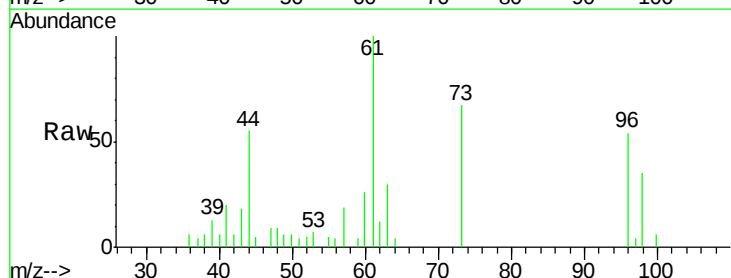
MMDadoda

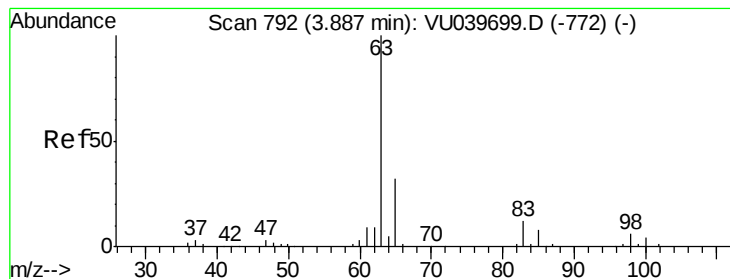
7/31/2020 3:42:39 PM



#16
trans-1,2-Dichloroethene
Concen: 0.470 ug/l
RT: 3.37 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU039695.D
Acq: 29 Jul 2020 10:40

Tgt Ion:	96	Resp:	3119
Ion	Ratio	Lower	Upper
96	100		
61	184.9	132.6	199.0
98	65.6	50.2	75.2





#17

1,1-Dichloroethane

Concen: 0.525 ug/l

RT: 3.89 min Scan# 792

Delta R.T. 0.00 min

Lab File: VU039695.D

Acq: 29 Jul 2020 10:40

Instrument :

MSVOA_U

ClientSampleId :

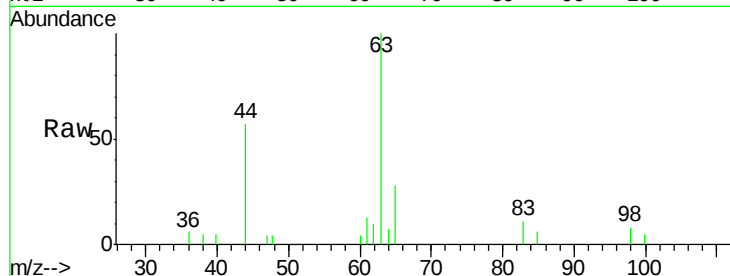
VSTDIC0.5

Tot Ion:	63	Resp:	6806
Ion	Ratio	Lower	Upper
63	100		
98	7.6	2.9	8.7
100	4.9	2.0	6.0

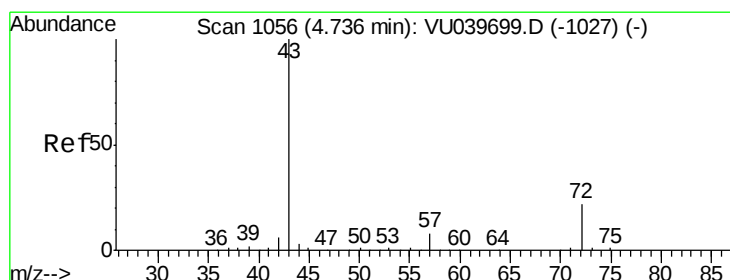
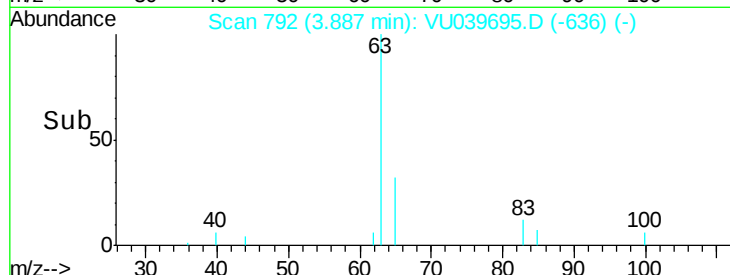
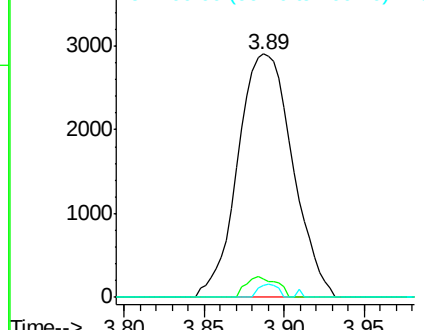
Manual Integrations
APPROVED

MMDadoda

7/31/2020 3:42:39 PM



Abundance Ion 63.00 (62.70 to 63.70): VU039695.D (-636) (-)



#18

2-Butanone

Concen: 4.119 ug/l

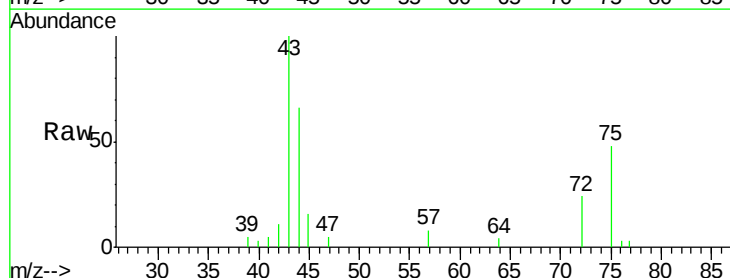
RT: 4.75 min Scan# 1059

Delta R.T. 0.01 min

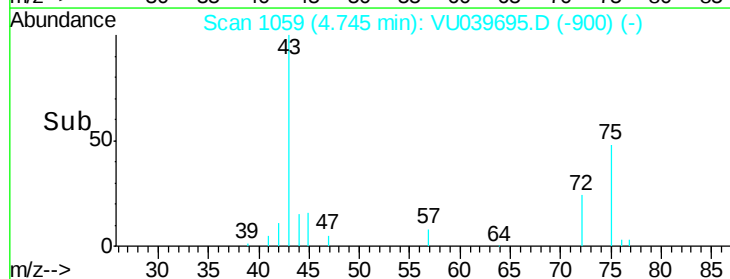
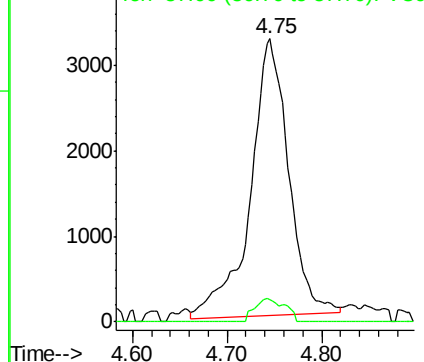
Lab File: VU039695.D

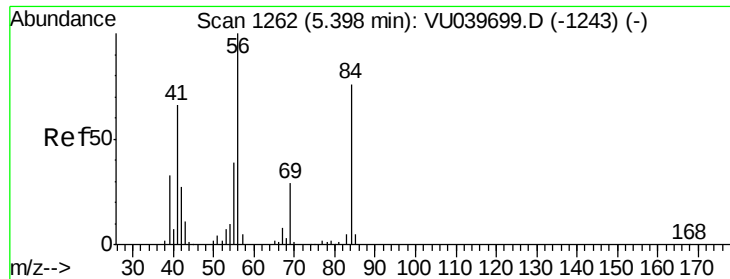
Acq: 29 Jul 2020 10:40

Tgt Ion:	43	Resp:	9049
Ion	Ratio	Lower	Upper
43	100		
57	8.1	0.0	15.2



Abundance Ion 43.00 (42.70 to 43.70): VU039695.D (-900) (-)





#19
Cyclohexane
Concen: 0.531 ug/l m
RT: 5.40 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VU039695.D
Acq: 29 Jul 2020 10:40

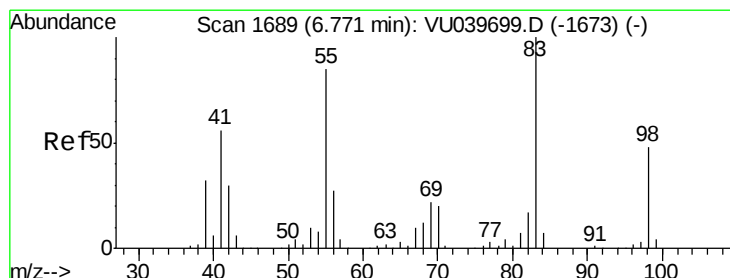
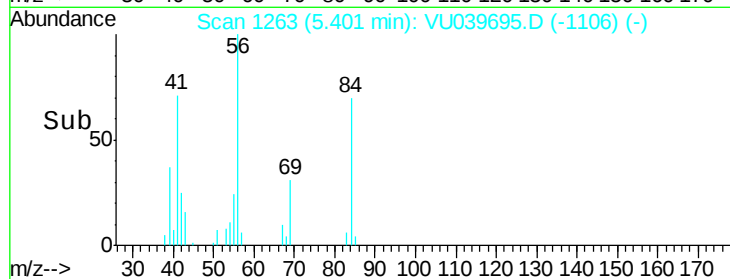
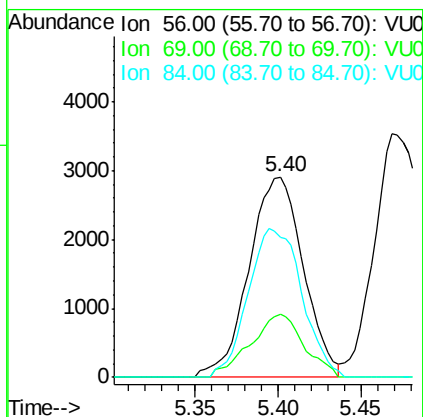
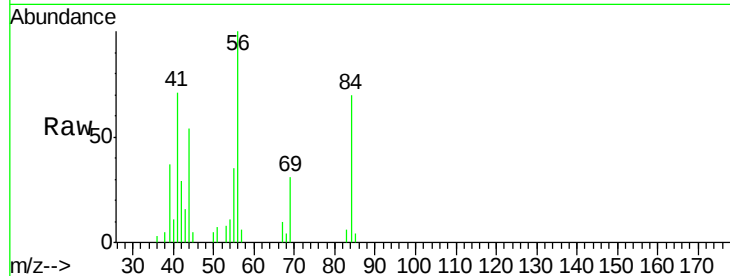
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion:	56	Resp:	6631
Ion Ratio	Lower	Upper	
56	100		
69	30.9	22.8	34.2
84	73.4	59.9	89.9

Manual Integrations
APPROVED

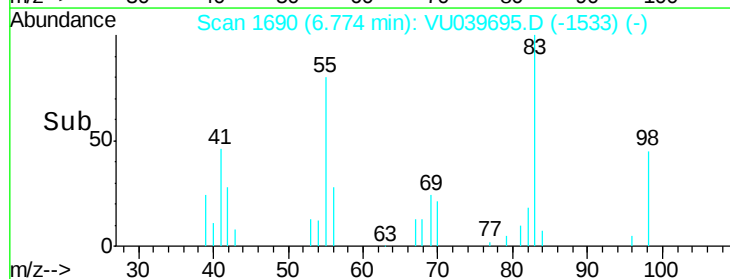
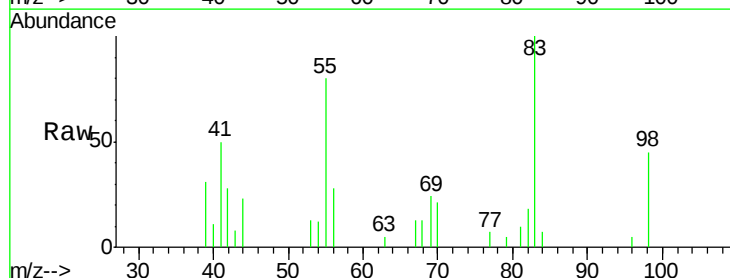
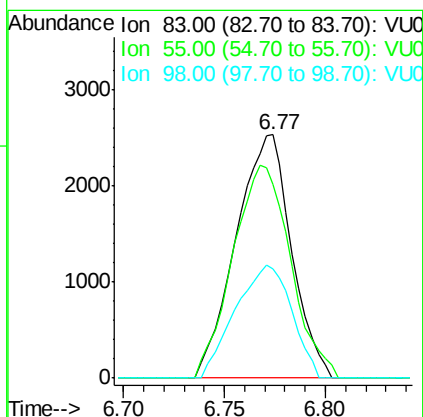
MMDadoda

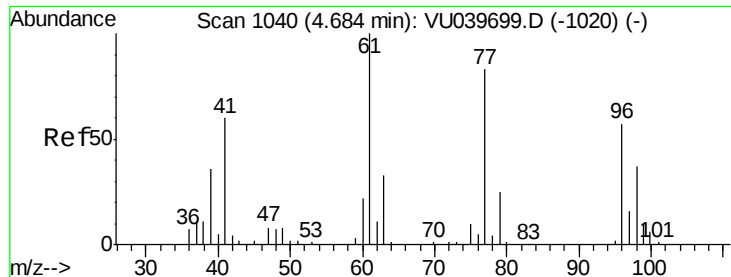
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#20
Methylcyclohexane
Concen: 0.410 ug/l
RT: 6.77 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VU039695.D
Acq: 29 Jul 2020 10:40

Tgt Ion:	83	Resp:	4837
Ion Ratio	Lower	Upper	
83	100		
55	91.4	67.6	101.4
98	47.3	37.3	55.9





#21
 2,2-Dichloropropane
 Concen: 0.598 ug/l
 RT: 4.69 min Scan# 1042
 Delta R.T. 0.01 min
 Lab File: VU039695.D
 Acq: 29 Jul 2020 10:40

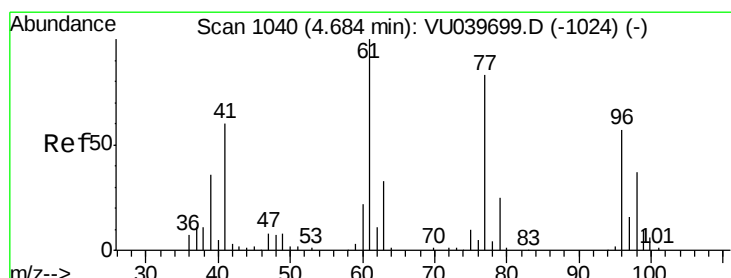
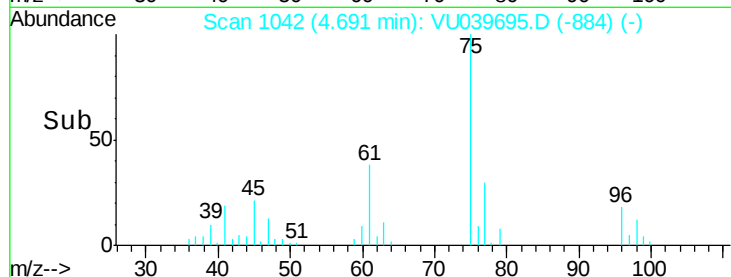
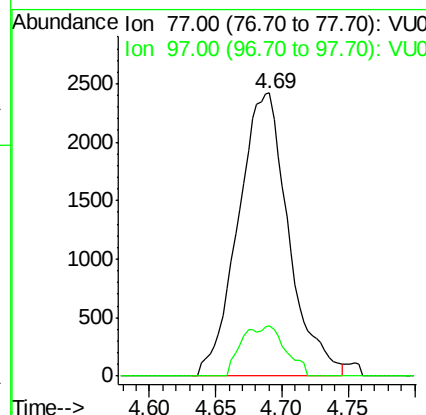
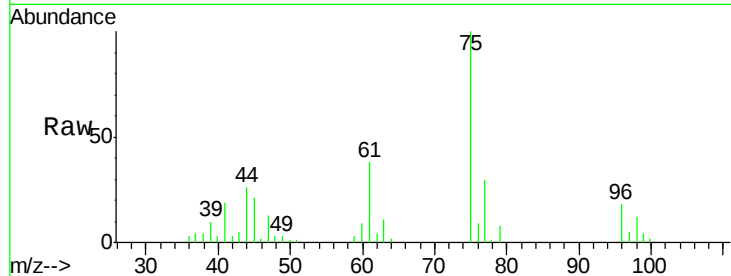
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion: 77 Resp: 6405
 Ion Ratio Lower Upper
 77 100
 97 6.4 15.2 22.8#

Manual Integrations
 APPROVED

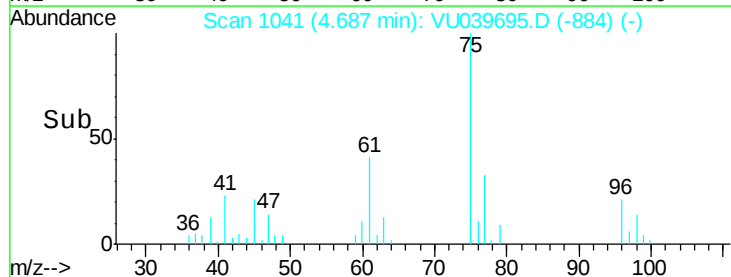
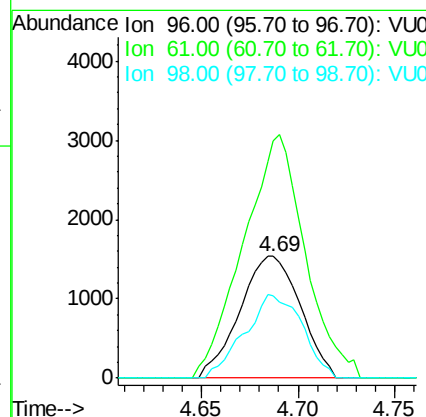
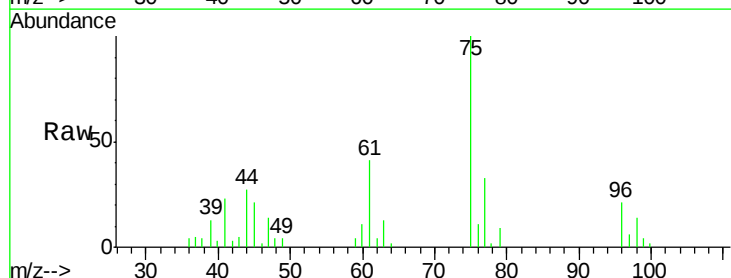
MMDadoda

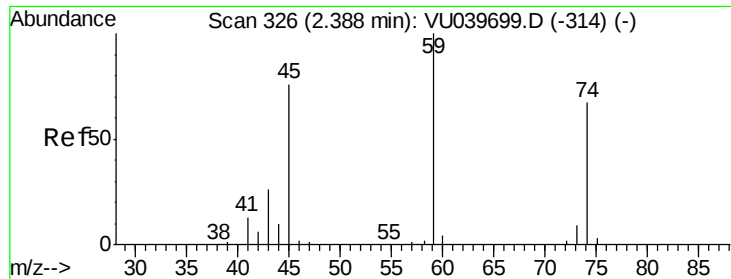
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#22
 cis-1,2-Dichloroethene
 Concen: 0.476 ug/l
 RT: 4.69 min Scan# 1041
 Delta R.T. 0.00 min
 Lab File: VU039695.D
 Acq: 29 Jul 2020 10:40

Tgt Ion: 96 Resp: 3347
 Ion Ratio Lower Upper
 96 100
 61 203.8 0.0 451.3
 98 65.4 32.6 98.0





#23
Diethyl Ether
Concen: 0.512 ug/l
RT: 2.39 min Scan# 326
Delta R.T. 0.00 min
Lab File: VU039695.D
Acq: 29 Jul 2020 10:40

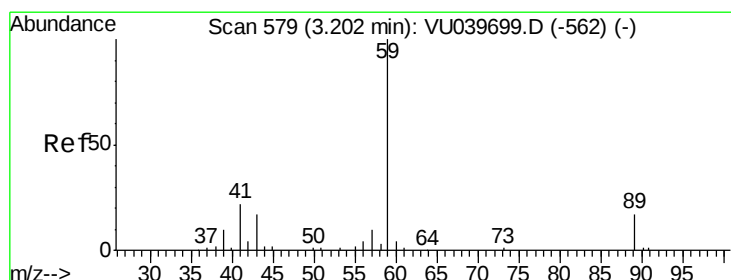
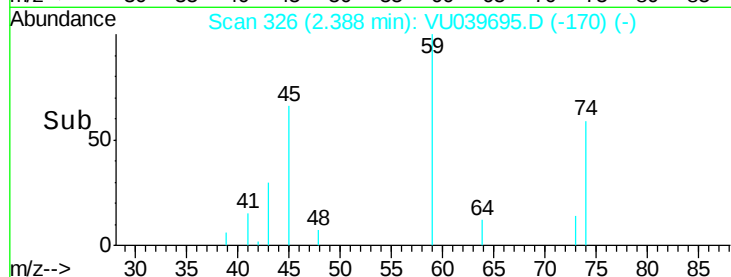
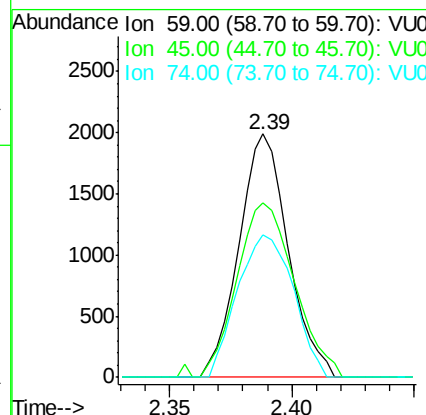
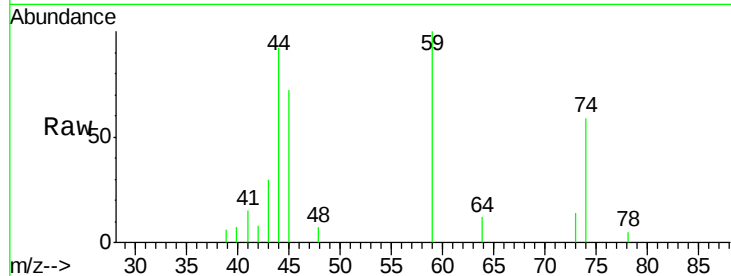
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion:	59	Resp:	2781
Ion	Ratio	Lower	Upper
59	100		
45	83.5	61.5	92.3
74	66.6	54.3	81.5

Manual Integrations
APPROVED

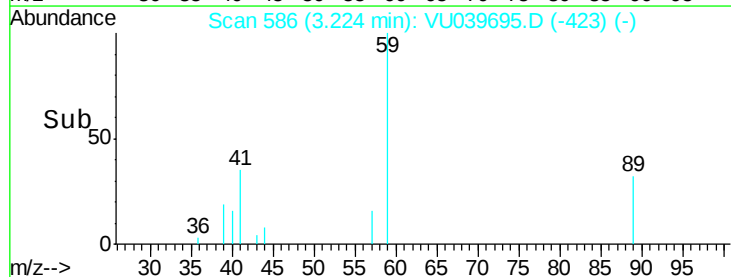
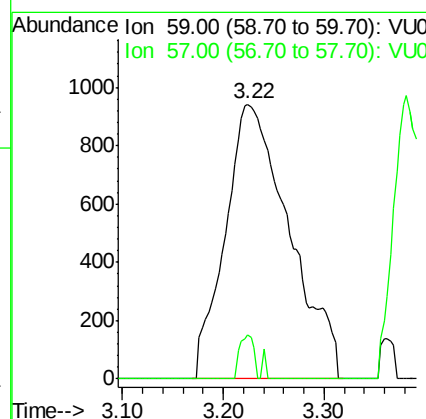
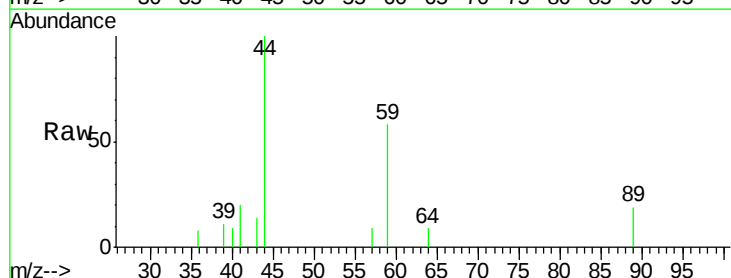
MMDadoda

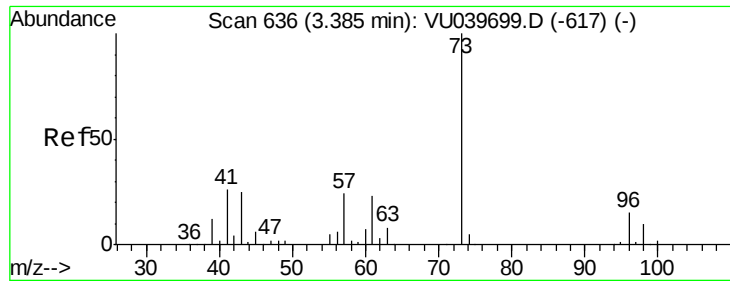
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#24
tert-Butyl Alcohol
Concen: 6.716 ug/l
RT: 3.22 min Scan# 586
Delta R.T. 0.02 min
Lab File: VU039695.D
Acq: 29 Jul 2020 10:40

Tgt Ion:	59	Resp:	4155
Ion	Ratio	Lower	Upper
59	100		
57	3.6	7.8	11.6#





#25
Methvl tert-Butvl Ether
Concen: 0.515 ug/l
RT: 3.39 min Scan# 636
Delta R.T. 0.00 min
Lab File: VU039695.D
Acq: 29 Jul 2020 10:40

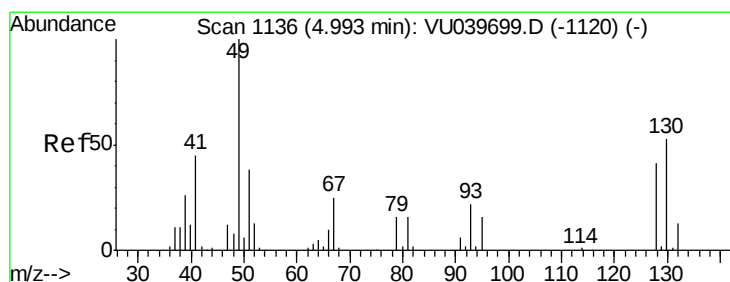
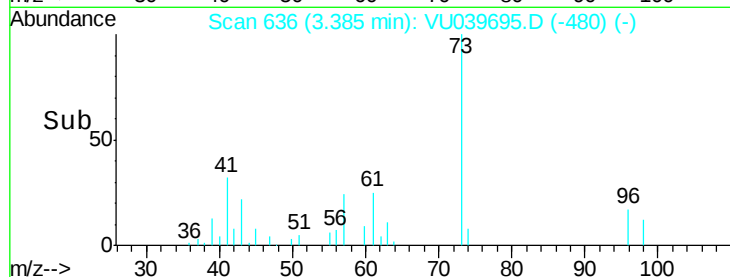
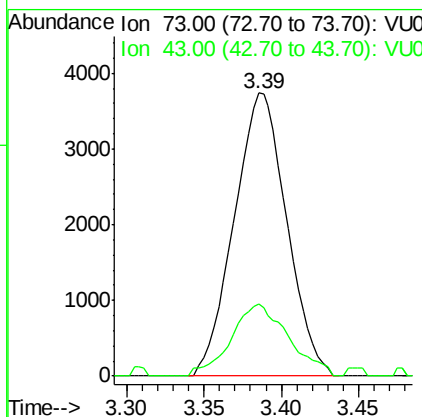
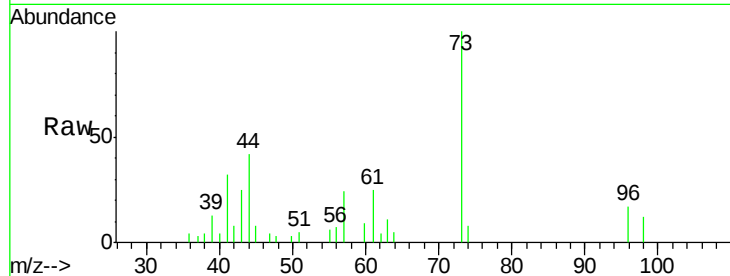
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion: 73 Resp: 8823
Ion Ratio Lower Upper
73 100
43 27.9 20.1 30.1

Manual Integrations
APPROVED

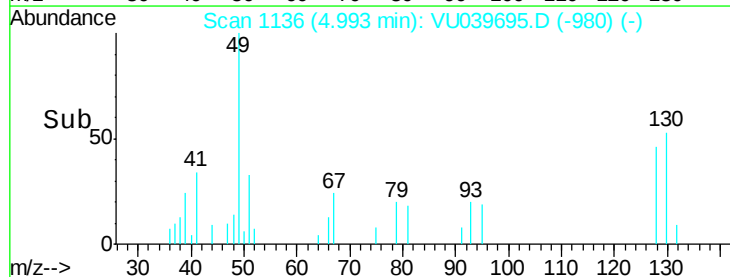
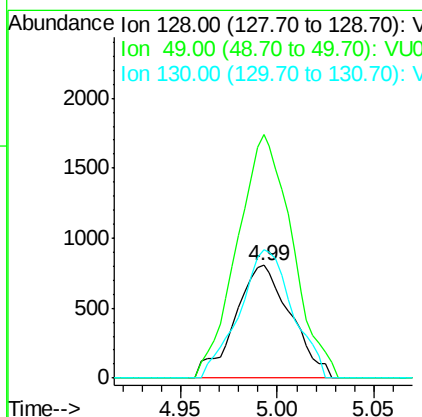
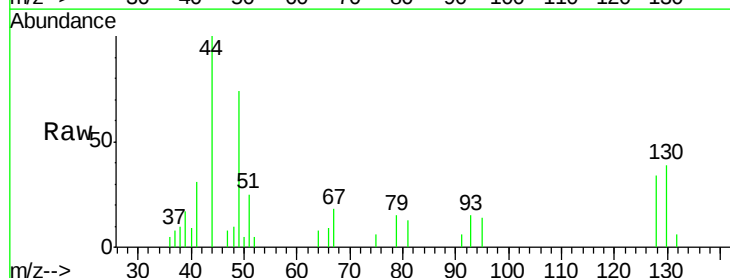
MMDadoda

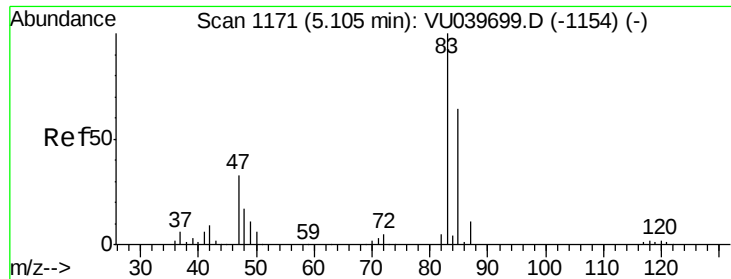
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#26
Bromochloromethane
Concen: 0.567 ug/l
RT: 4.99 min Scan# 1136
Delta R.T. 0.00 min
Lab File: VU039695.D
Acq: 29 Jul 2020 10:40

Tgt Ion: 128 Resp: 1609
Ion Ratio Lower Upper
128 100
49 213.9 0.0 503.8
130 109.4 102.7 154.1





#27
Chloroform
Concen: 0.545 ug/l
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU039695.D
Acq: 29 Jul 2020 10:40

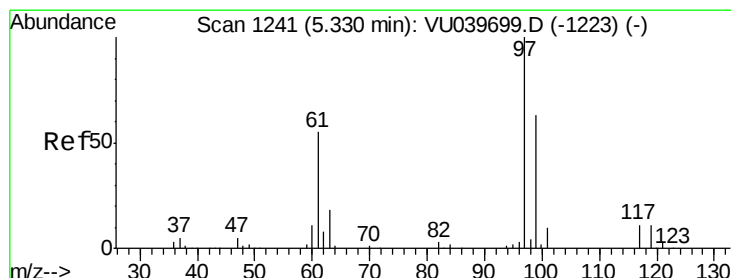
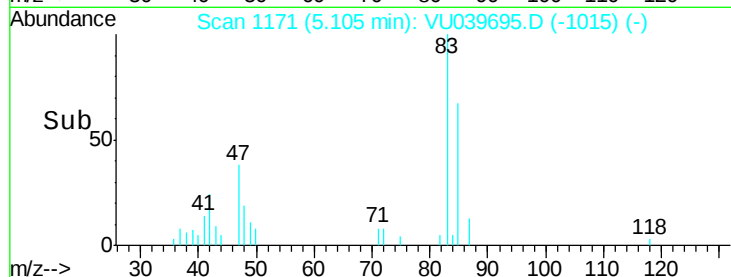
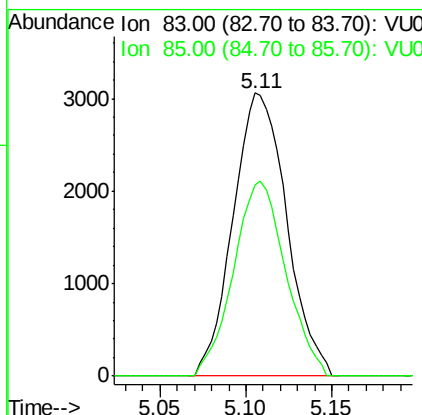
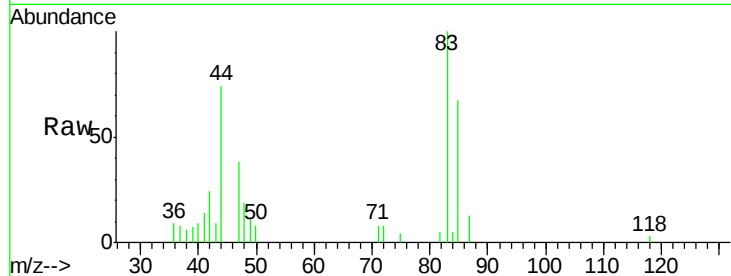
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion: 83 Resp: 6602
Ion Ratio Lower Upper
83 100
85 67.4 0.0 128.8

Manual Integrations
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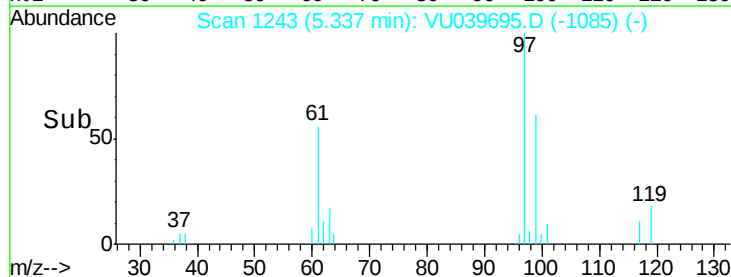
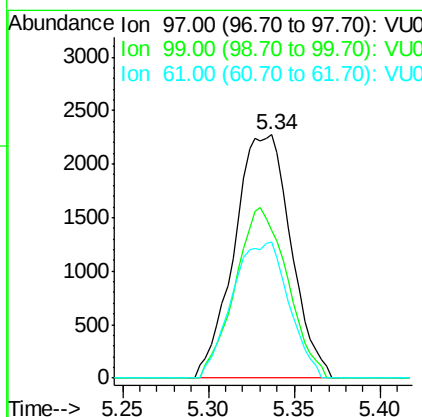
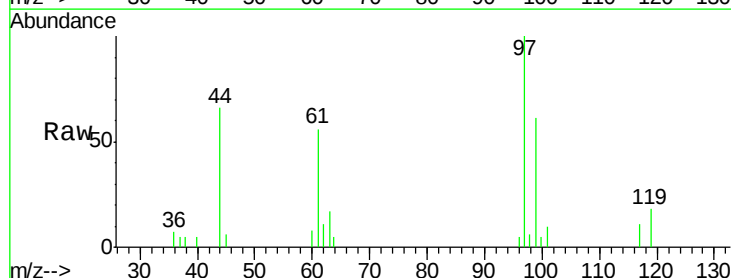
MMDadoda

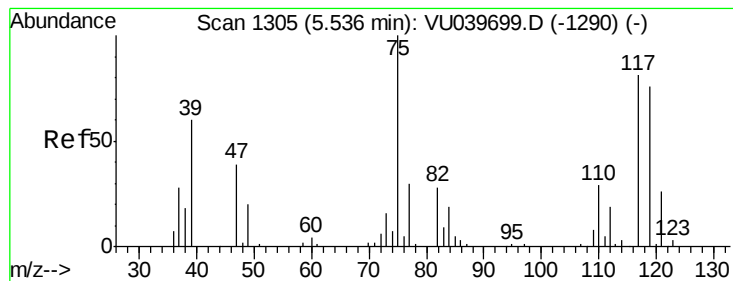
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#28
1,1,1-Trichloroethane
Concen: 0.521 ug/l
RT: 5.34 min Scan# 1243
Delta R.T. 0.01 min
Lab File: VU039695.D
Acq: 29 Jul 2020 10:40

Tgt Ion: 97 Resp: 5182
Ion Ratio Lower Upper
97 100
99 65.0 32.2 96.6
61 55.9 28.3 85.0





#29

1,1-Dichloropropene

Concen: 0.512 ug/l

RT: 5.54 min Scan# 1305

Delta R.T. 0.00 min

Lab File: VU039695.D

Acq: 29 Jul 2020 10:40

Instrument :

MSVOA_U

ClientSampleId :

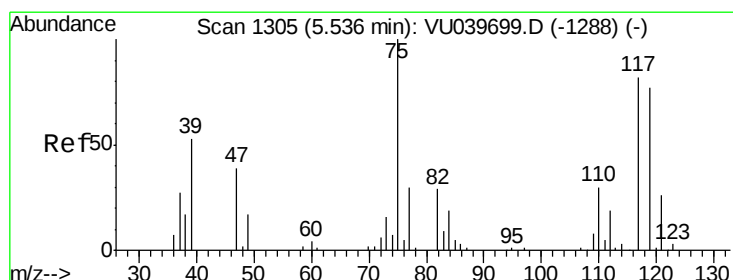
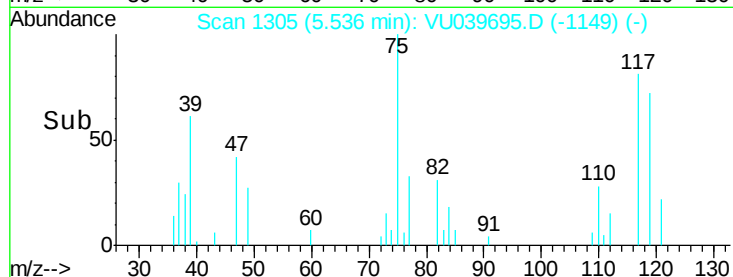
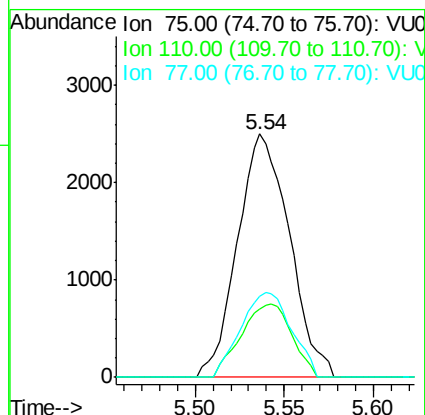
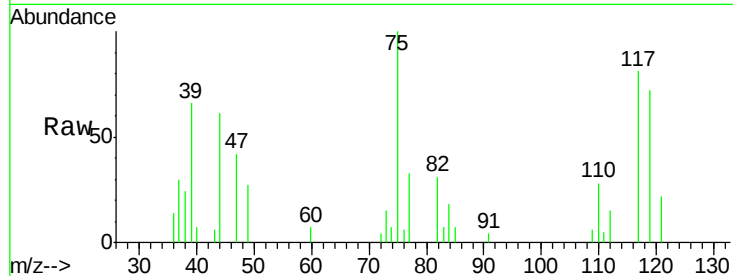
VSTDIC0.5

Tot Ion:	75	Resp:	5073
Ion	Ratio	Lower	Upper
75	100		
110	29.4	14.6	44.0
77	34.0	25.0	37.4

Manual Integrations
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#30

Carbon Tetrachloride

Concen: 0.508 ug/l

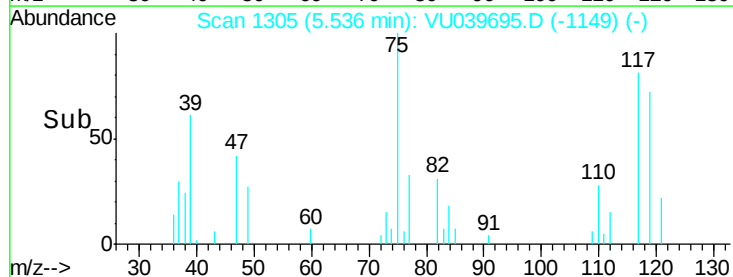
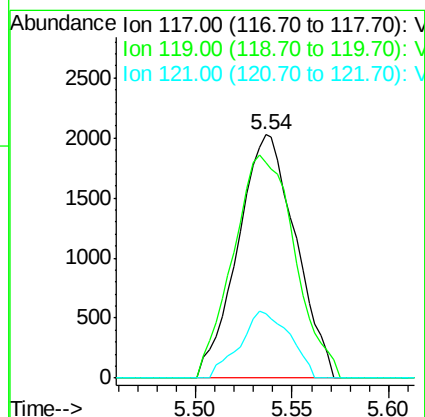
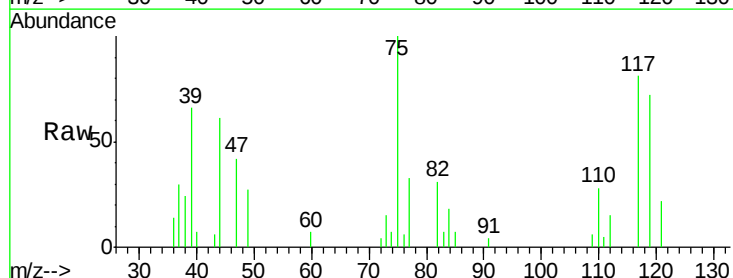
RT: 5.54 min Scan# 1305

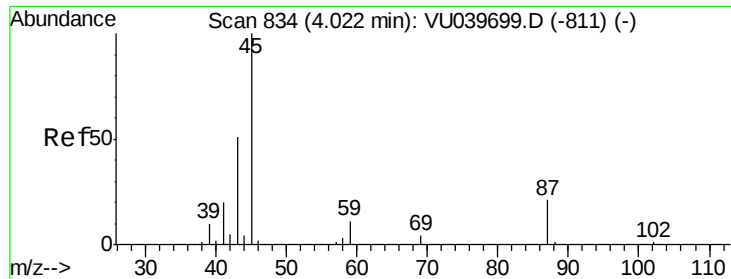
Delta R.T. 0.00 min

Lab File: VU039695.D

Acq: 29 Jul 2020 10:40

Tgt Ion:	117	Resp:	4205
Ion	Ratio	Lower	Upper
117	100		
119	88.5	75.2	112.8
121	26.6	25.4	38.2





#31

Isopropyl Ether

Concen: 0.561 ug/l

RT: 4.02 min Scan# 833

Delta R.T. -0.00 min

Lab File: VU039695.D

Acq: 29 Jul 2020 10:40

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 45 Resp: 12195

Ion Ratio Lower Upper

45 100

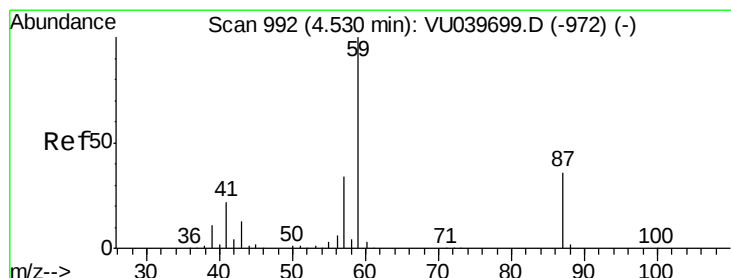
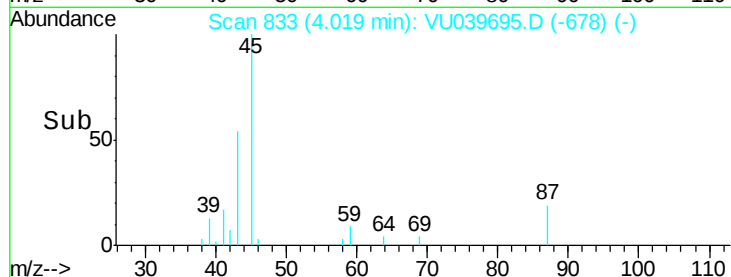
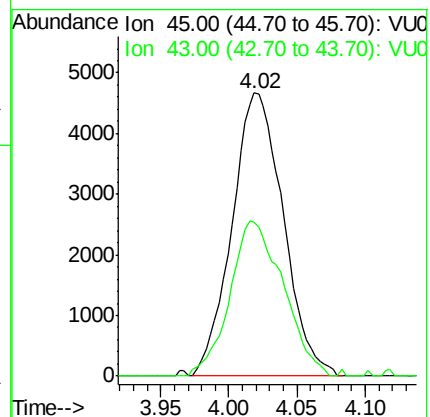
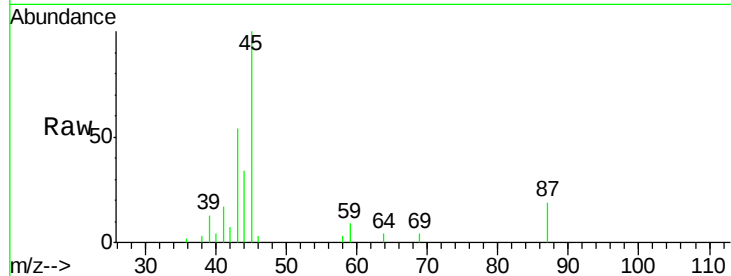
43 57.0 26.5 79.4

Manual Integrations

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#32

Ethyl-t-butyl ether

Concen: 0.550 ug/l

RT: 4.53 min Scan# 993

Delta R.T. 0.00 min

Lab File: VU039695.D

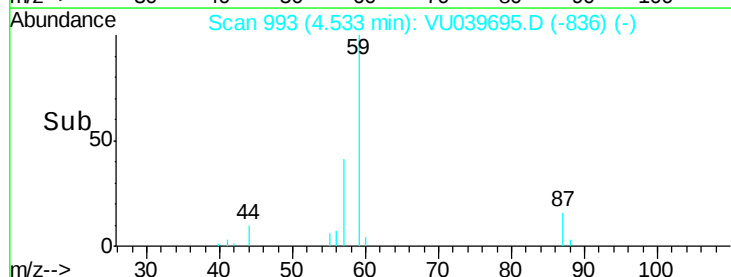
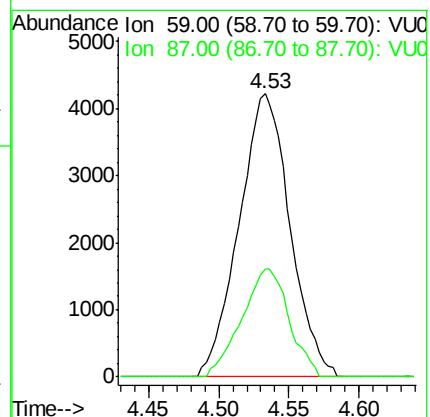
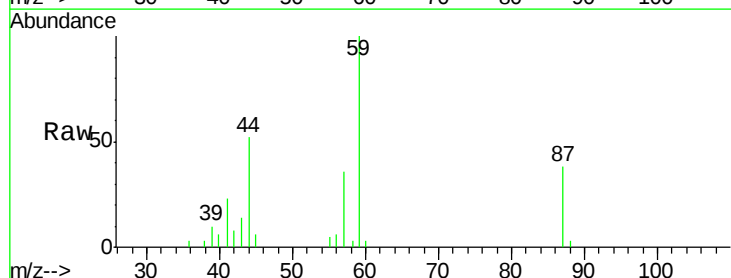
Acq: 29 Jul 2020 10:40

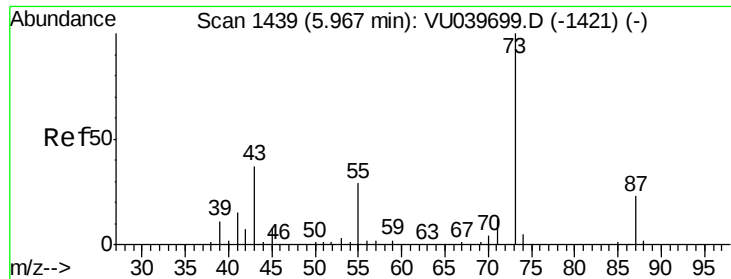
Tgt Ion: 59 Resp: 10644

Ion Ratio Lower Upper

59 100

87 35.3 29.4 44.0





#33
Tert-Butyl methyl ether
Concen: 0.533 ug/l
RT: 5.96 min Scan# 1438
Delta R.T. -0.00 min
Lab File: VU039695.D
Acq: 29 Jul 2020 10:40

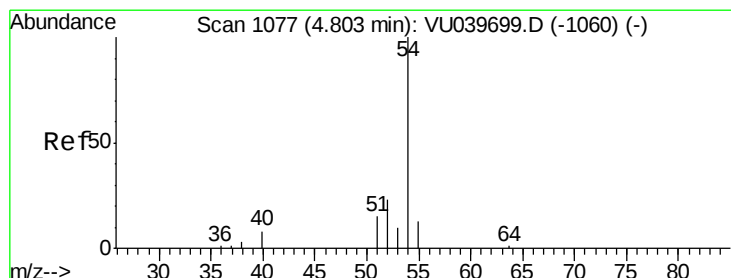
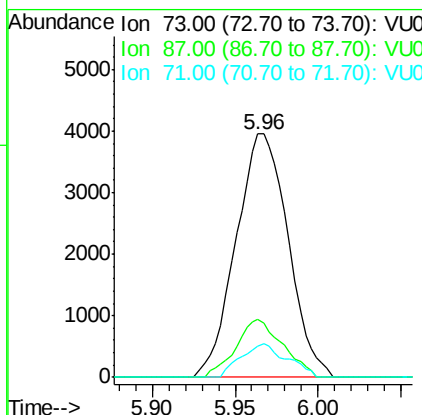
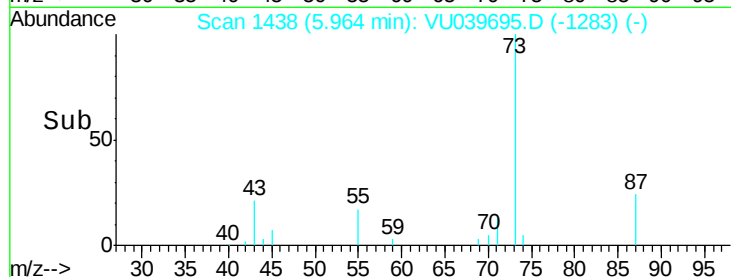
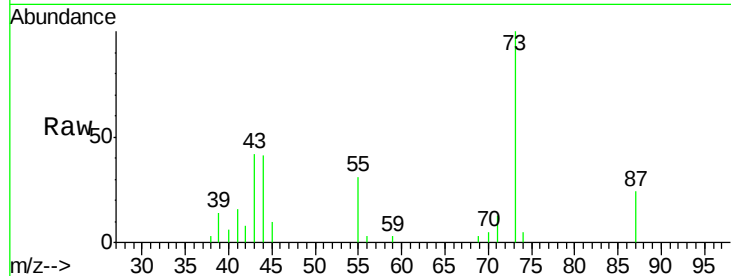
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion:	73	Resp:	8649
Ion	Ratio	Lower	Upper
73	100		
87	21.3	18.7	28.1
71	12.0	9.1	13.7

Manual Integrations
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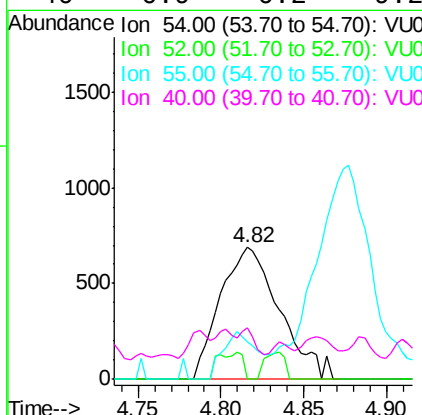
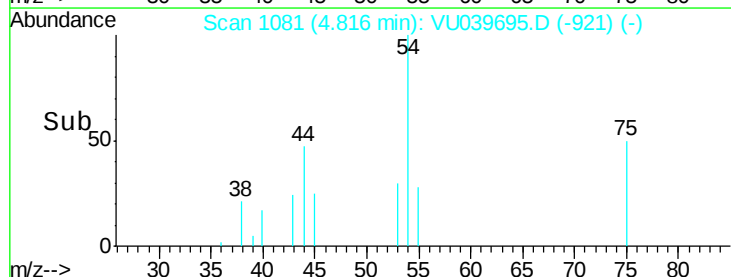
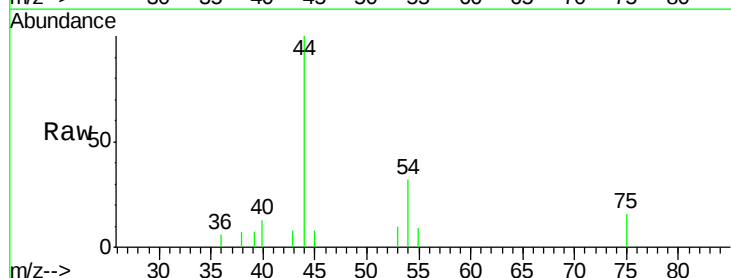
MMDadoda

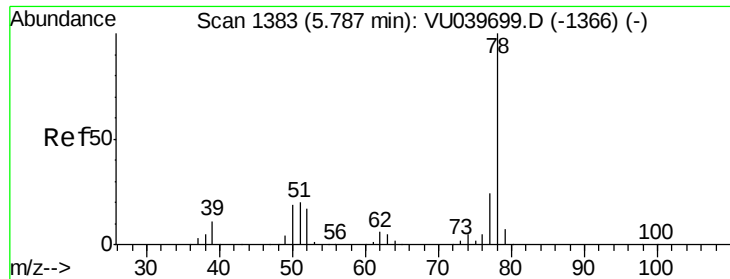
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#34
Propionitrile
Concen: 2.808 ug/l
RT: 4.82 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VU039695.D
Acq: 29 Jul 2020 10:40

Tgt Ion:	54	Resp:	1714
Ion	Ratio	Lower	Upper
54	100		
52	8.4	16.9	25.3#
55	20.8	12.9	19.3#
40	6.9	6.2	9.2





#35
Benzene
Concen: 0.503 ug/l
RT: 5.79 min Scan# 1384
Delta R.T. 0.00 min
Lab File: VU039695.D
Acq: 29 Jul 2020 10:40

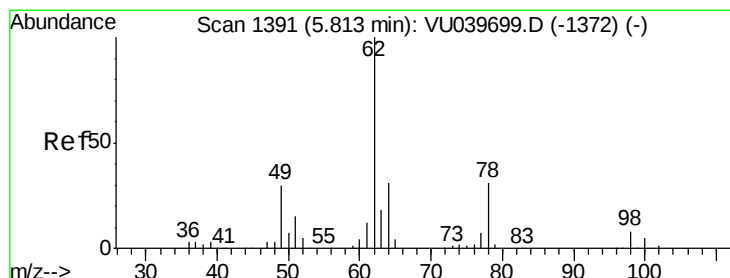
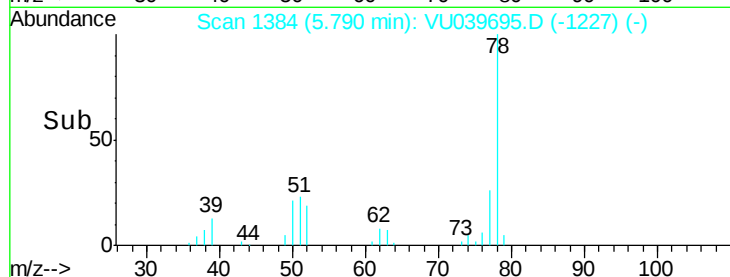
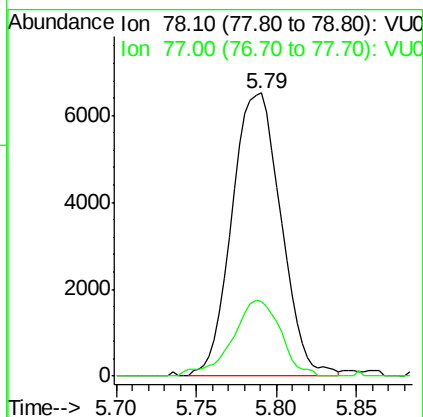
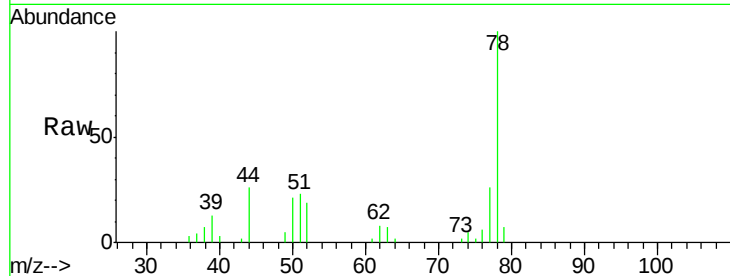
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
78	100		
77	26.4	19.2	28.8

Manual Integrations
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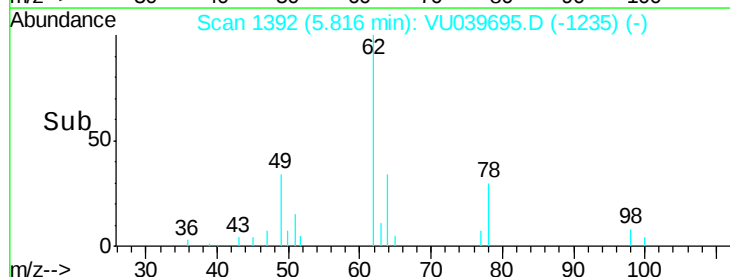
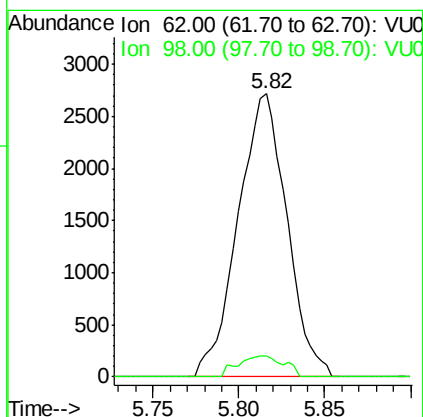
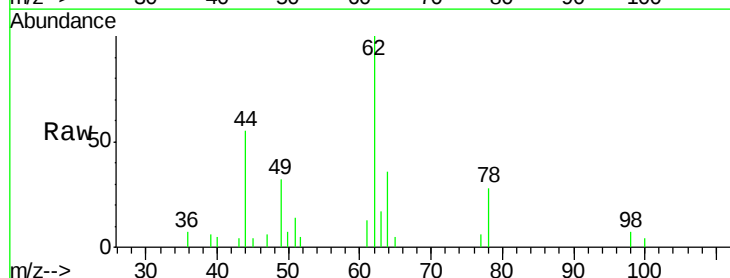
MMDadoda

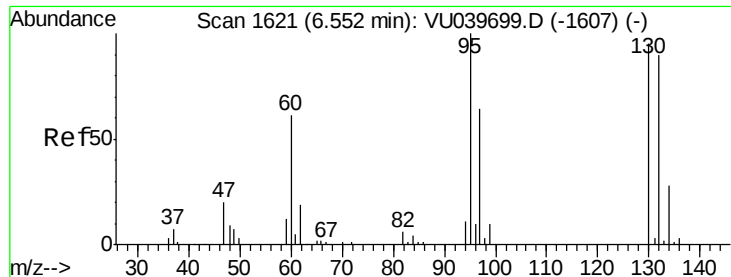
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#36
1,2-Dichloroethane
Concen: 0.636 ug/l
RT: 5.82 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VU039695.D
Acq: 29 Jul 2020 10:40

Tgt Ion	Ratio	Lower	Upper
62	100		
98	6.9	6.2	9.2





#37
 Trichloroethene
 Concen: 0.411 ug/l
 RT: 6.55 min Scan# 1621
 Delta R.T. 0.00 min
 Lab File: VU039695.D
 Acq: 29 Jul 2020 10:40

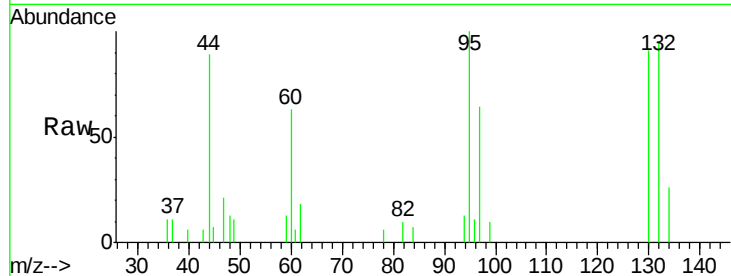
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion:130 Resp: 2896
 Ion Ratio Lower Upper
 130 100
 95 110.2 84.3 126.5

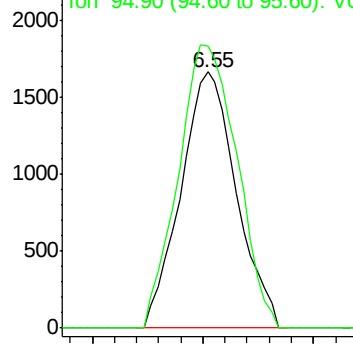
Manual Integrations
 APPROVED

MMDadoda

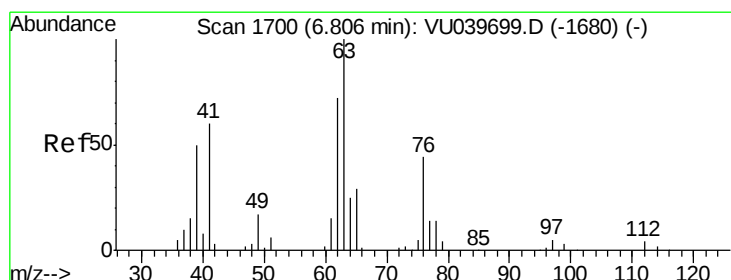
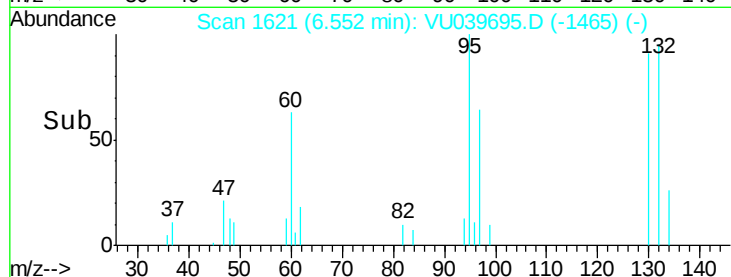
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Abundance Ion 129.90 (129.60 to 130.60): VU039699.D (-1607) (-)
 Ion 94.90 (94.60 to 95.60): VU039699.D (-1607) (-)

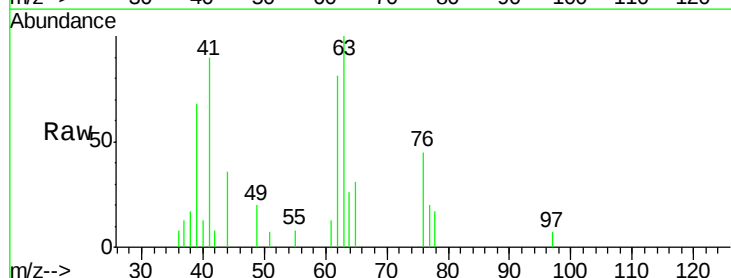


Time-->

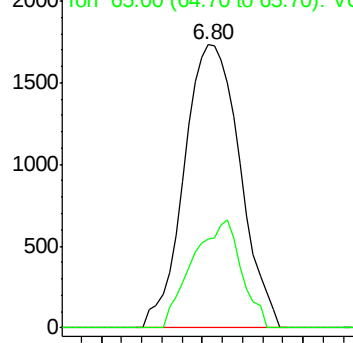


#38
 1,2-Dichloropropane
 Concen: 0.450 ug/l
 RT: 6.80 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VU039695.D
 Acq: 29 Jul 2020 10:40

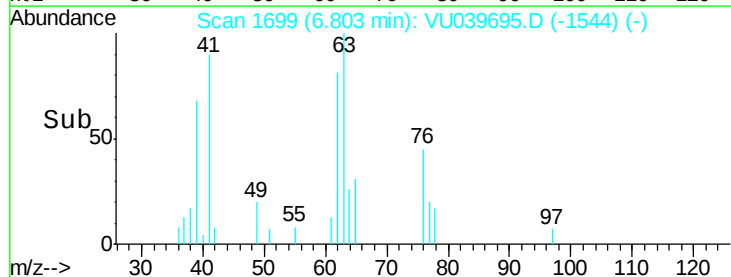
Tgt Ion: 63 Resp: 3345
 Ion Ratio Lower Upper
 63 100
 65 31.2 23.8 35.6

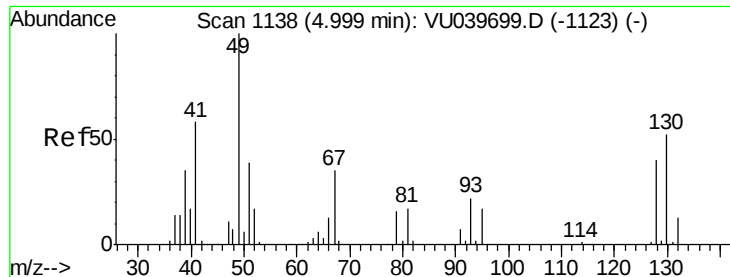


Abundance Ion 63.00 (62.70 to 63.70): VU039699.D (-1680) (-)
 Ion 65.00 (64.70 to 65.70): VU039699.D (-1680) (-)



Time-->





#39
Methacrylonitrile
Concen: 0.713 ug/l
RT: 5.00 min Scan# 1137
Delta R.T. -0.00 min
Lab File: VU039695.D
Acq: 29 Jul 2020 10:40

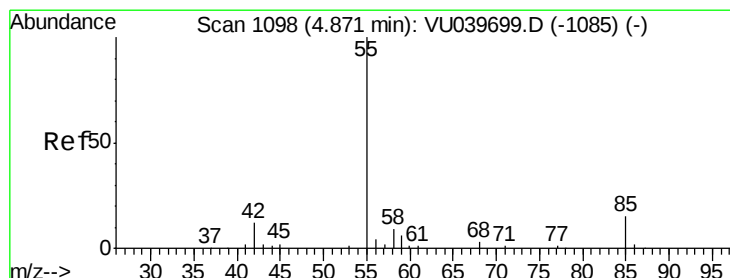
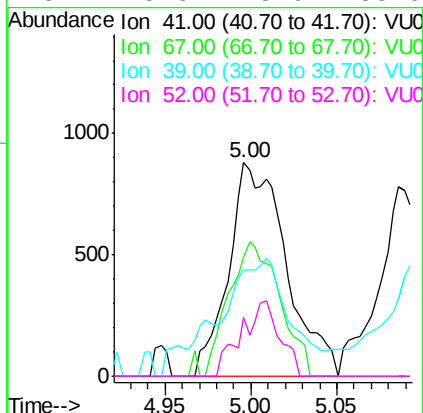
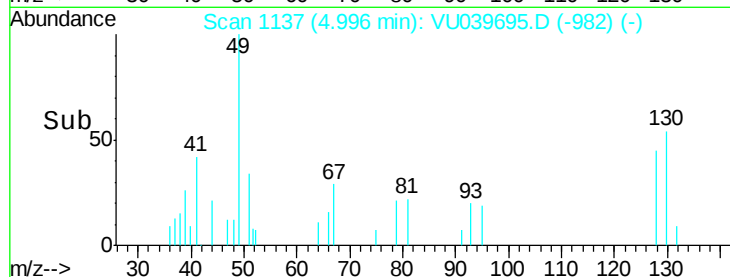
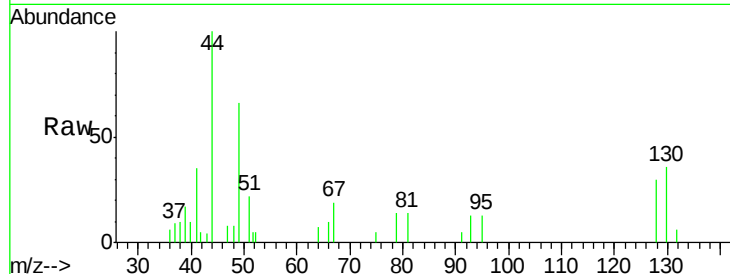
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion:	41	Resp:	2054
Ion	Ratio	Lower	Upper
41	100		
67	55.6	48.3	72.5
39	41.4	47.6	71.4#
52	23.6	23.9	35.9#

Manual Integrations
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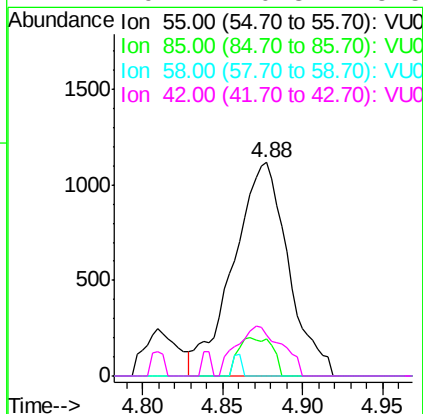
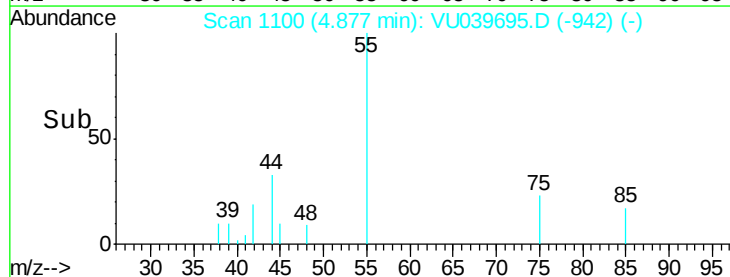
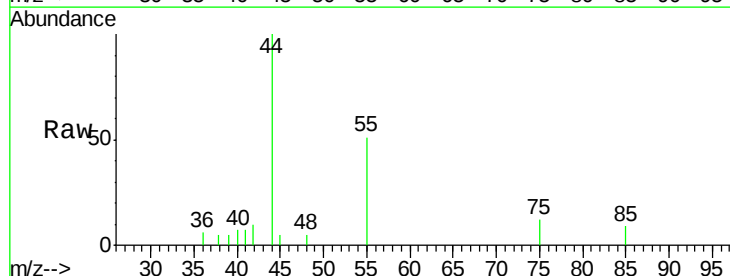
MMDadoda

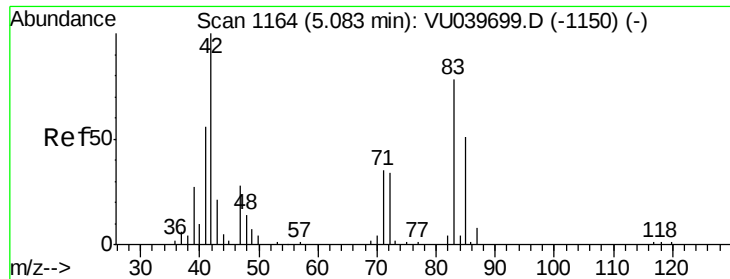
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#40
Methyl acrylate
Concen: 0.628 ug/l
RT: 4.88 min Scan# 1100
Delta R.T. 0.01 min
Lab File: VU039695.D
Acq: 29 Jul 2020 10:40

Tgt Ion:	55	Resp:	2630
Ion	Ratio	Lower	Upper
55	100		
85	10.9	11.4	17.0#
58	1.6	7.4	11.0#
42	19.1	10.3	15.5#





#41

Tetrahydrofuran

Concen: 1.762 ug/l

RT: 5.10 min Scan# 1168

Delta R.T. 0.01 min

Lab File: VU039695.D

Acq: 29 Jul 2020 10:40

Instrument :

MSVOA_U

ClientSampled :

VSTDIC0.5

Tot Ion: 42 Resp: 2552

Ion Ratio Lower Upper

42 100

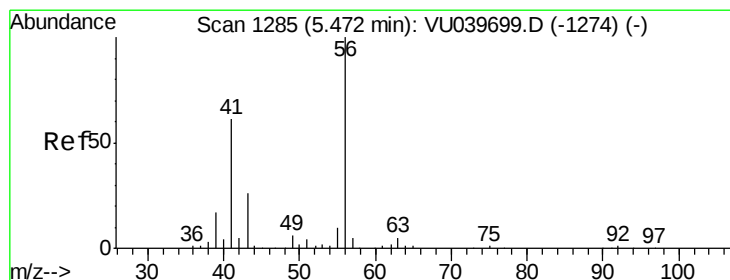
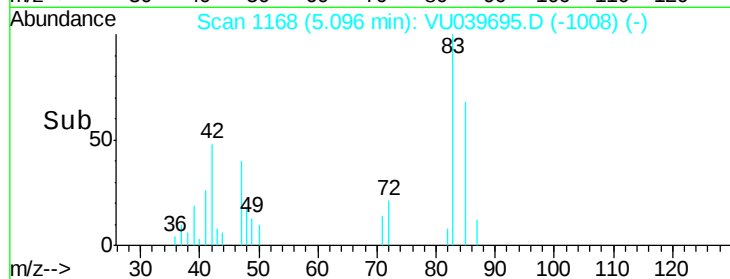
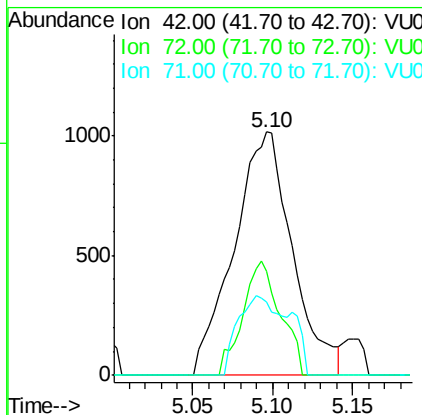
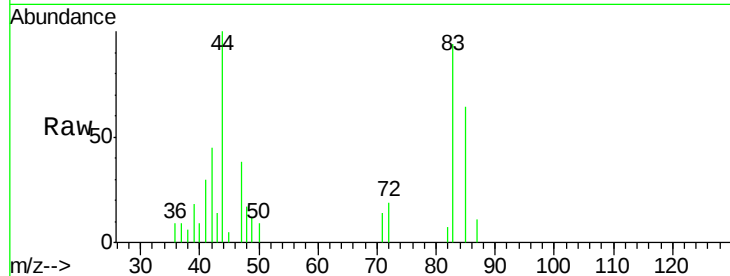
72 29.9 31.0 46.6#

71 23.5 28.2 42.4#

Manual Integrations
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#42

1-Chlorobutane

Concen: 0.512 ug/l

RT: 5.47 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VU039695.D

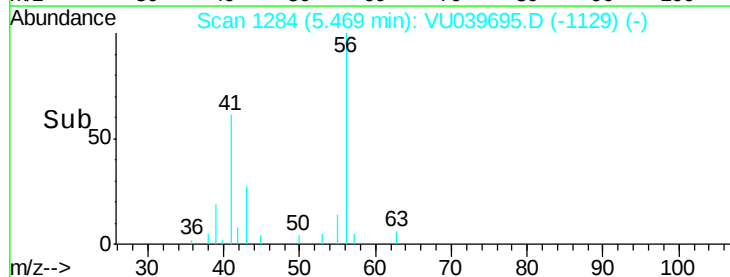
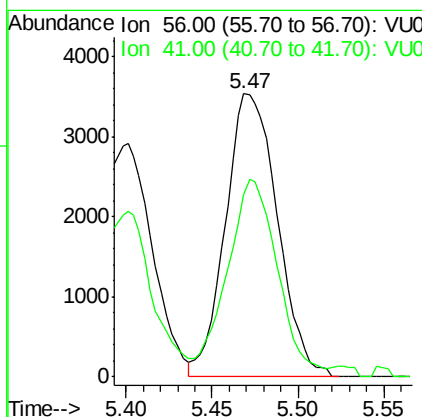
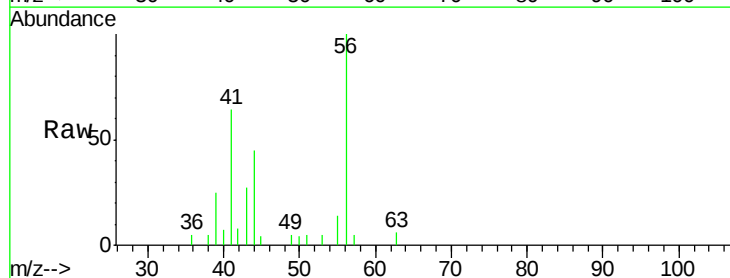
Acq: 29 Jul 2020 10:40

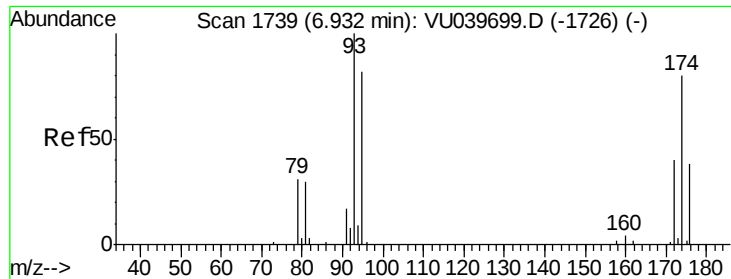
Tgt Ion: 56 Resp: 7439

Ion Ratio Lower Upper

56 100

41 62.1 30.5 91.5





#43
Dibromomethane
Concen: 0.490 ug/l
RT: 6.93 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VU039695.D
Acq: 29 Jul 2020 10:40

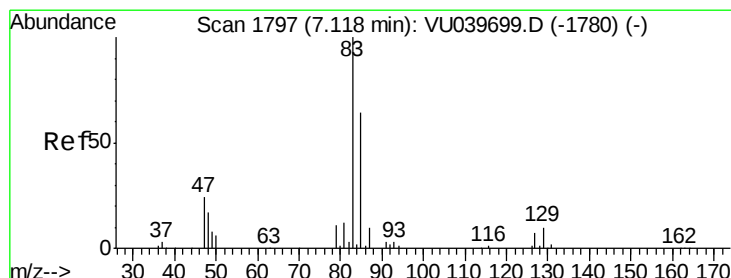
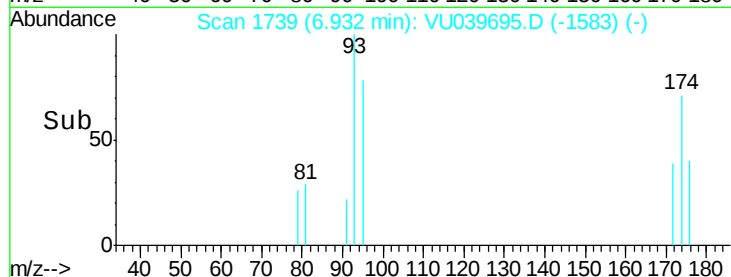
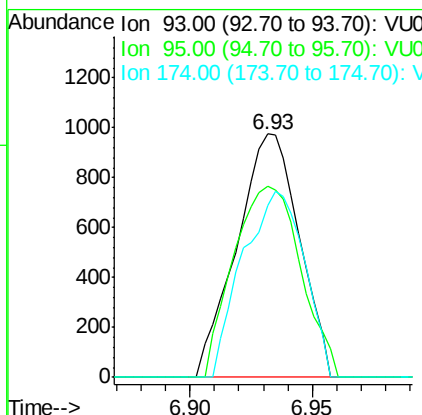
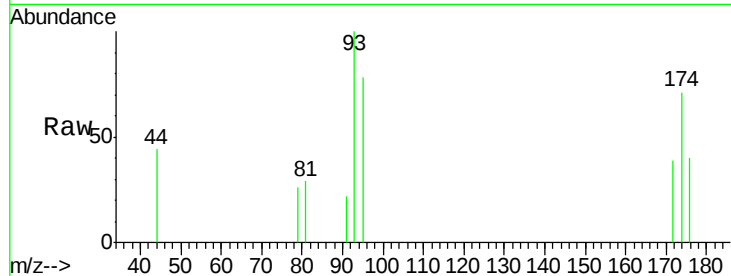
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion: 93 Resp: 1726
Ion Ratio Lower Upper
93 100
95 85.3 66.6 99.8
174 75.9 62.7 94.1

Manual Integrations
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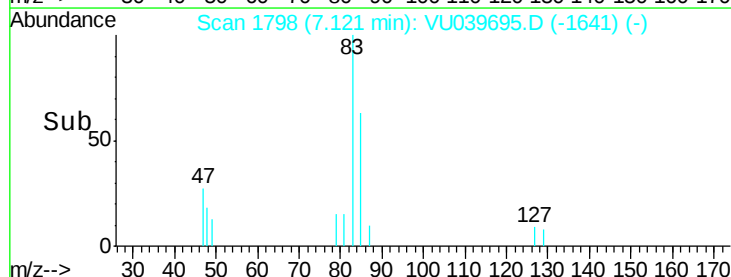
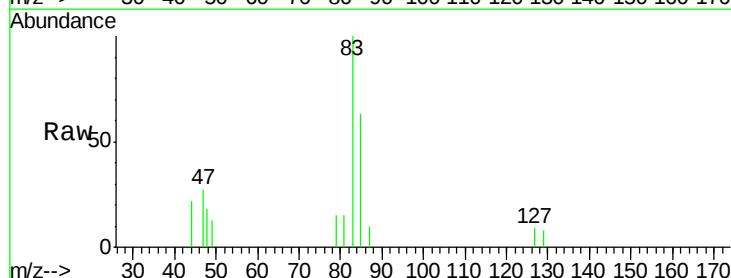
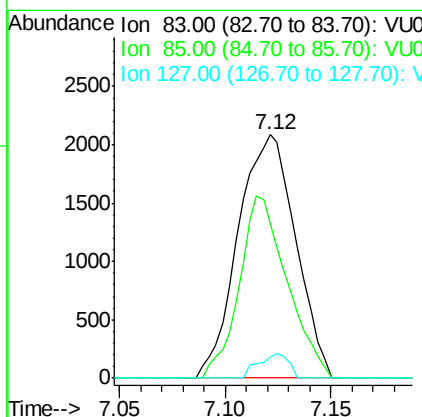
MMDadoda

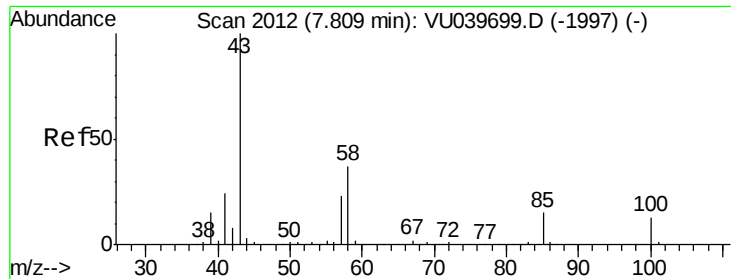
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#44
Bromodichloromethane
Concen: 0.450 ug/l
RT: 7.12 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VU039695.D
Acq: 29 Jul 2020 10:40

Tgt Ion: 83 Resp: 3941
Ion Ratio Lower Upper
83 100
85 63.2 50.8 76.2
127 8.6 5.8 8.6





#45
4-Methyl-2-Pentanone
Concen: 2.908 ug/l
RT: 7.81 min Scan# 2013
Delta R.T. 0.00 min
Lab File: VU039695.D
Acq: 29 Jul 2020 10:40

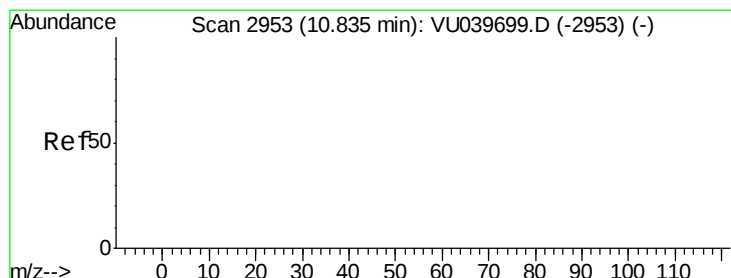
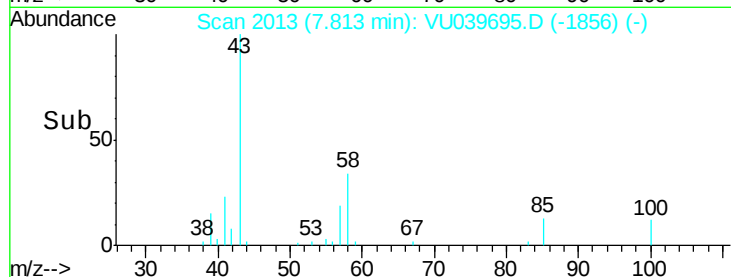
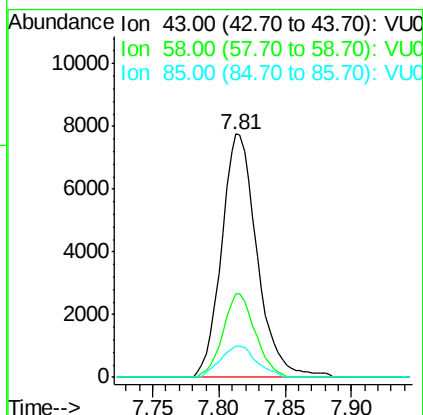
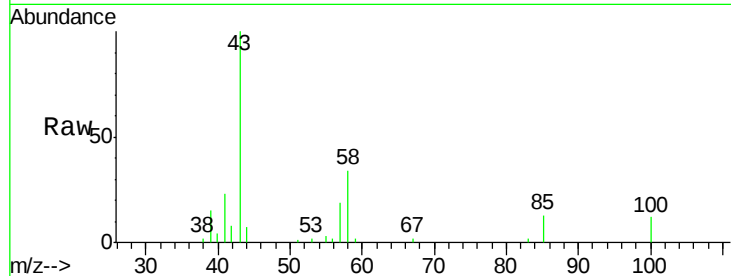
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion:	43	Resp:	14428
Ion	Ratio	Lower	Upper
43	100		
58	31.3	18.4	55.0
85	12.9	11.8	17.6

Manual Integrations
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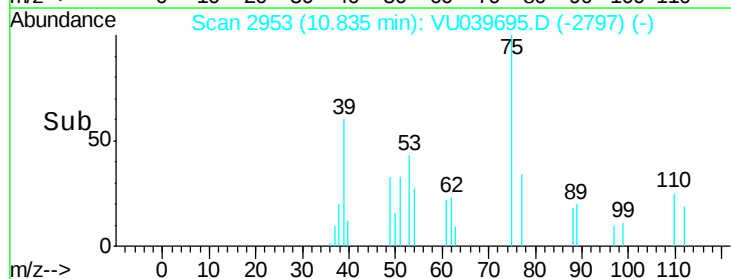
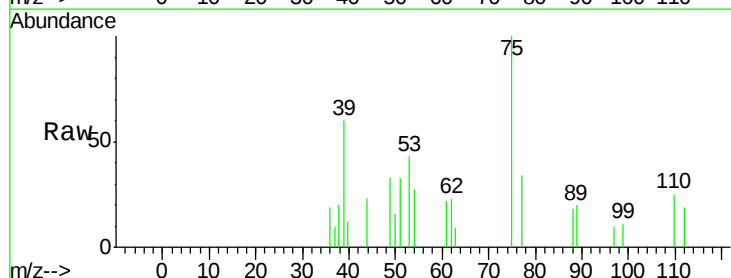
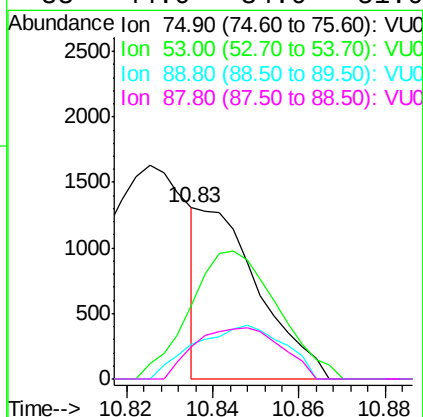
MMDadoda

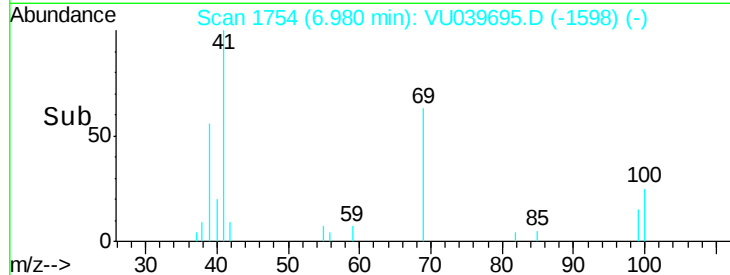
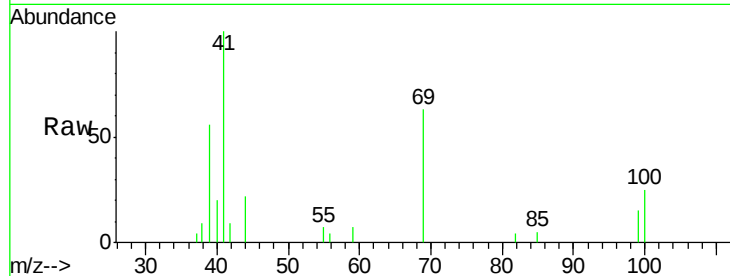
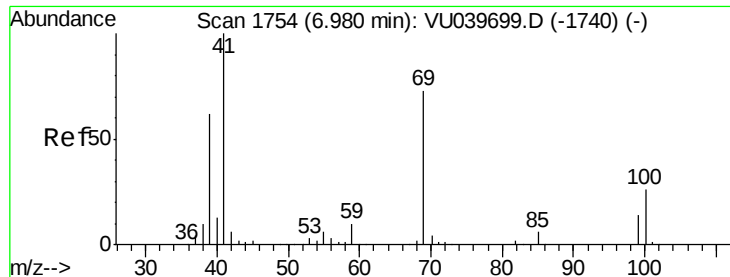
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#46
t-1,4-Dichloro-2-butene
Concen: 0.819 ug/l m
RT: 10.83 min Scan# 2953
Delta R.T. 0.00 min
Lab File: VU039695.D
Acq: 29 Jul 2020 10:40

Tgt Ion:	75	Resp:	1241
Ion	Ratio	Lower	Upper
75	100		
53	111.0	78.6	118.0
89	47.6	40.3	60.5
88	44.0	34.0	51.0





#47
Methyl methacrylate
Concen: 0.846 ug/l
RT: 6.98 min Scan# 1754
Delta R.T. 0.00 min
Lab File: VU039695.D
Acq: 29 Jul 2020 10:40

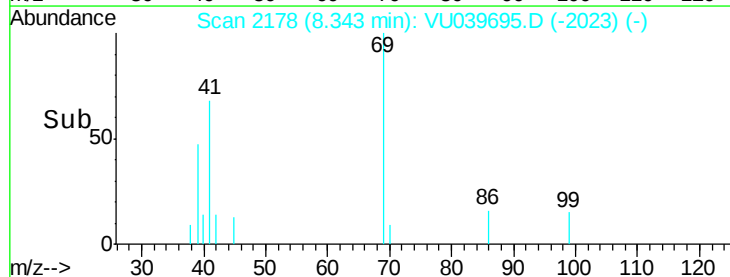
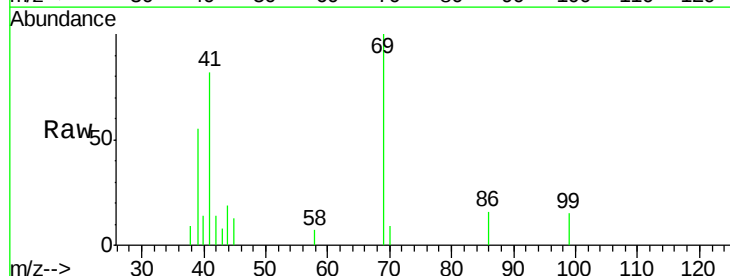
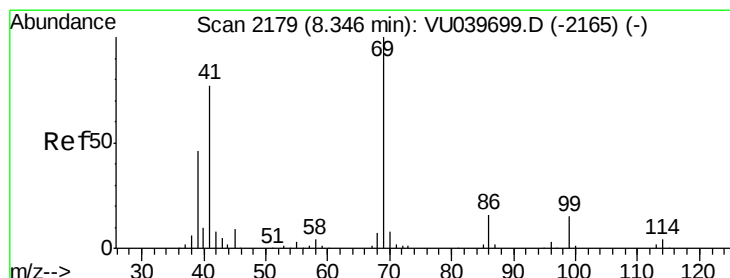
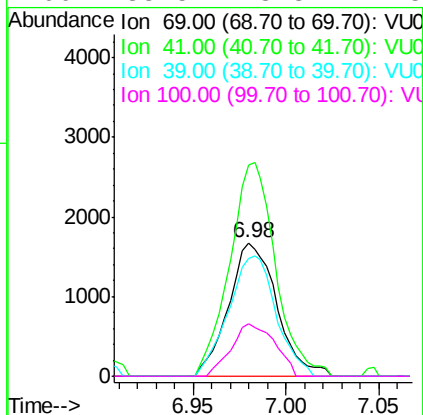
Tot Ion	Ratio	Lower	Upper
69	100		
41	152.6	0.0	271.6
39	89.2	67.4	101.2
100	35.5	28.3	42.5

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Manual Integrations
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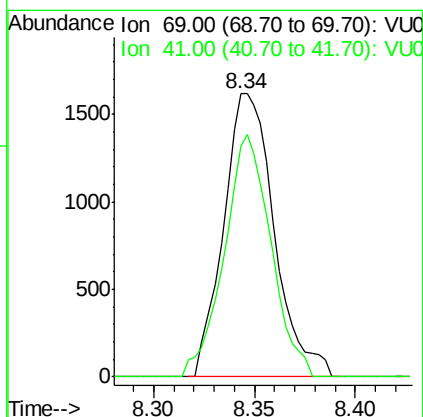
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#48
Ethyl methacrylate
Concen: 0.431 ug/l
RT: 8.34 min Scan# 2178
Delta R.T. -0.00 min
Lab File: VU039695.D
Acq: 29 Jul 2020 10:40

Tgt Ion	Ratio	Lower	Upper
69	100		
41	78.8	39.1	117.5





#49

Toluene

Concen: 0.400 ug/l

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU039695.D

Acq: 29 Jul 2020 10:40

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 92 Resp: 6870

Ion Ratio Lower Upper

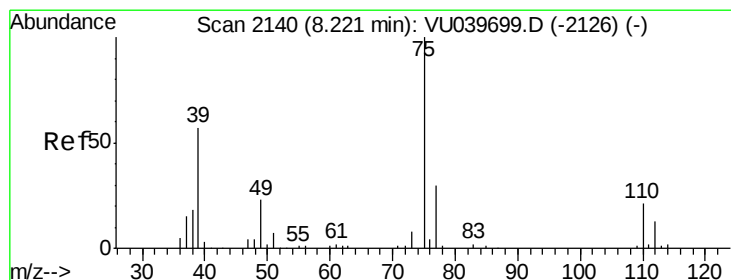
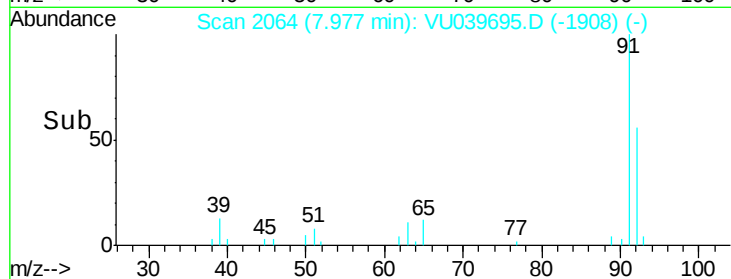
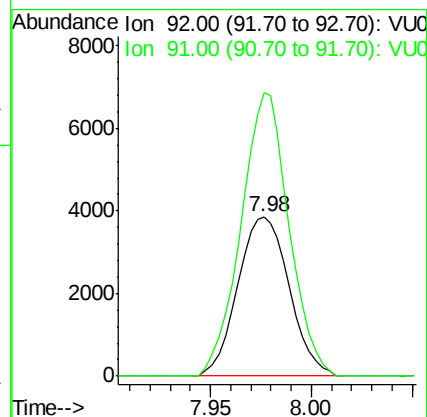
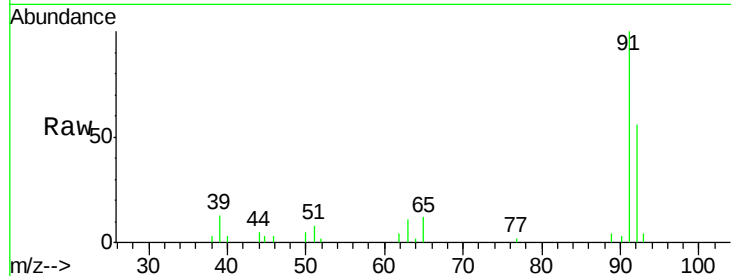
92 100

91 165.4 136.1 204.1

Manual Integrations
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#50

t-1,3-Dichloropropene

Concen: 0.378 ug/l

RT: 8.22 min Scan# 2140

Delta R.T. 0.00 min

Lab File: VU039695.D

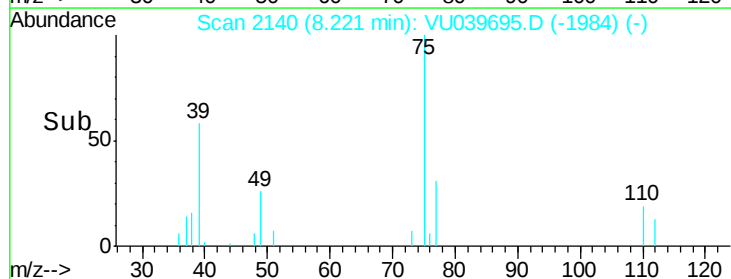
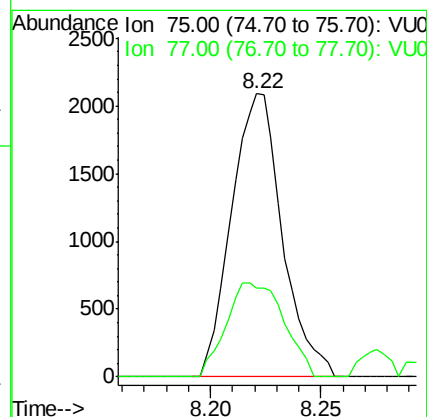
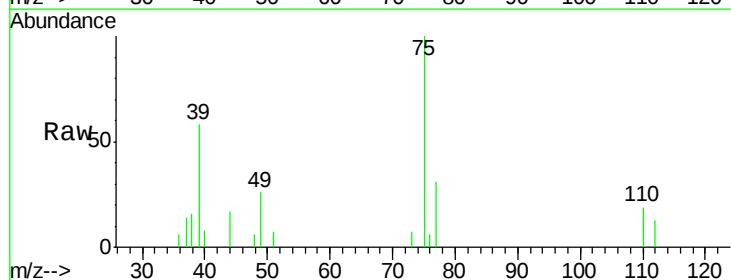
Acq: 29 Jul 2020 10:40

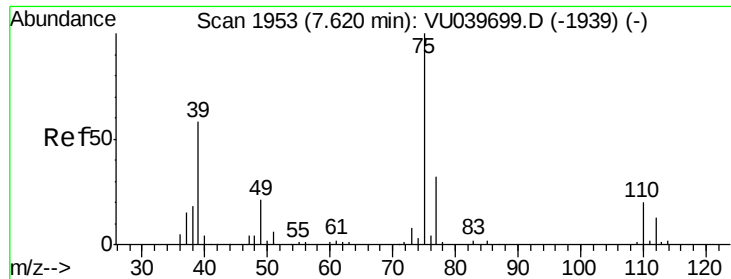
Tgt Ion: 75 Resp: 3334

Ion Ratio Lower Upper

75 100

77 31.3 24.3 36.5





#51
 cis-1,3-Dichloropropene
 Concen: 0.385 ug/l
 RT: 7.62 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VU039695.D
 Acq: 29 Jul 2020 10:40

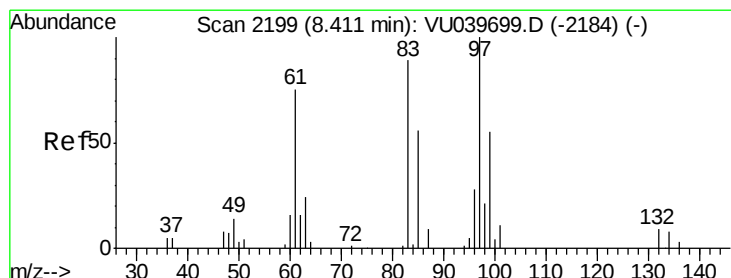
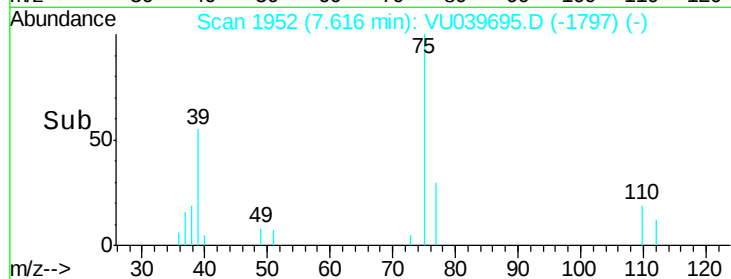
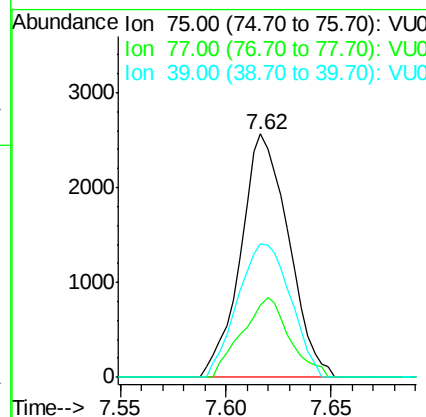
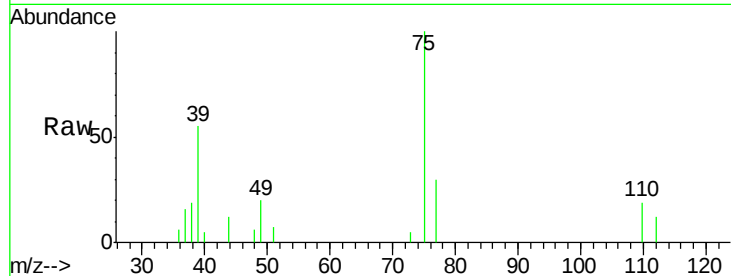
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion:	75	Resp:	4038
Ion	Ratio	Lower	Upper
75	100		
77	29.7	25.7	38.5
39	54.9	46.1	69.1

Manual Integrations
 APPROVED

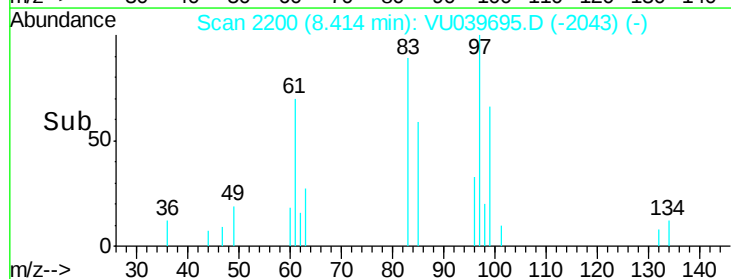
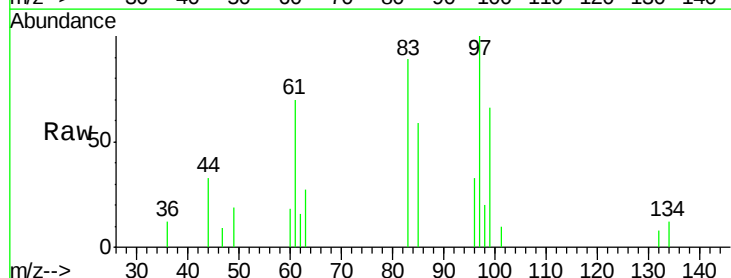
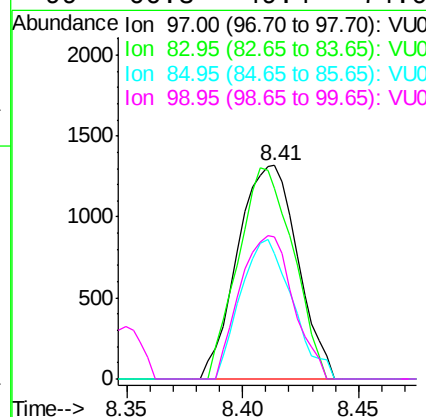
MMDadoda

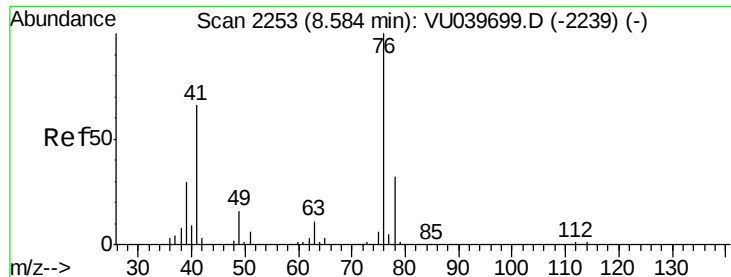
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#52
 1,1,2-Trichloroethane
 Concen: 0.481 ug/l
 RT: 8.41 min Scan# 2200
 Delta R.T. 0.00 min
 Lab File: VU039695.D
 Acq: 29 Jul 2020 10:40

Tgt Ion:	97	Resp:	2370
Ion	Ratio	Lower	Upper
97	100		
83	89.2	71.3	106.9
85	58.6	45.4	68.2
99	66.3	49.4	74.0





#53

1,3-Dichloropropane

Concen: 0.449 ug/l

RT: 8.58 min Scan# 2253

Delta R.T. 0.00 min

Lab File: VU039695.D

Acq: 29 Jul 2020 10:40

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 76 Resp: 4164

Ion Ratio Lower Upper

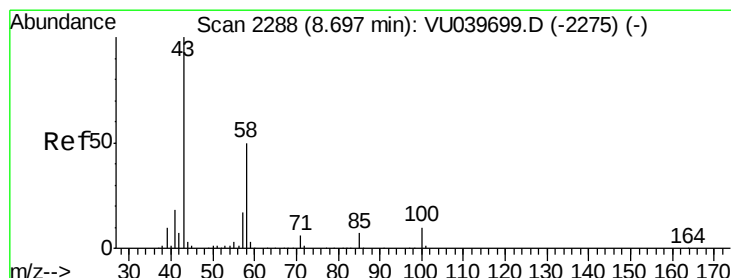
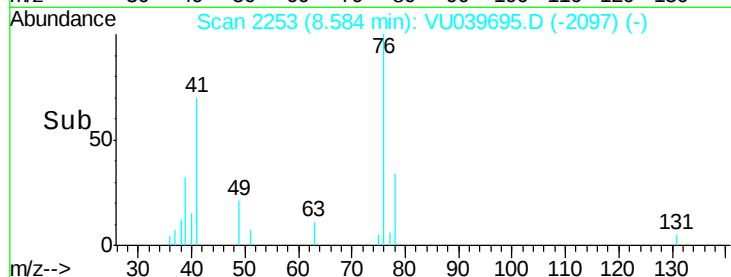
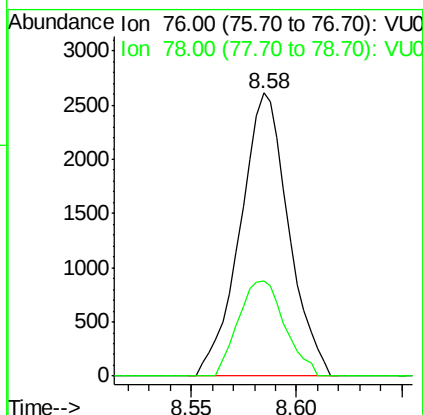
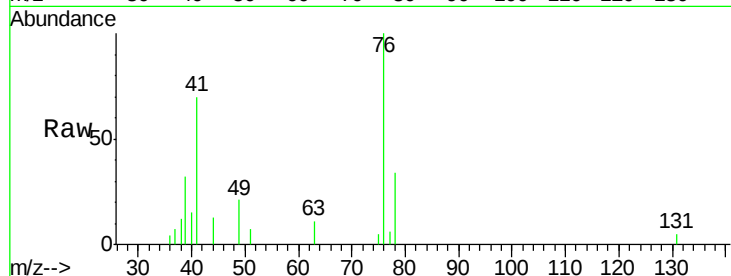
76 100

78 32.4 25.4 38.2

Manual Integrations
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#54

2-Hexanone

Concen: 2.839 ug/l

RT: 8.70 min Scan# 2290

Delta R.T. 0.01 min

Lab File: VU039695.D

Acq: 29 Jul 2020 10:40

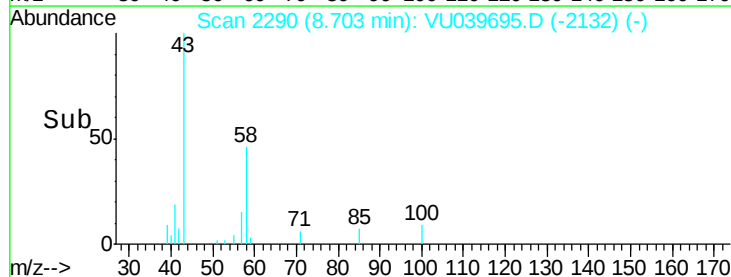
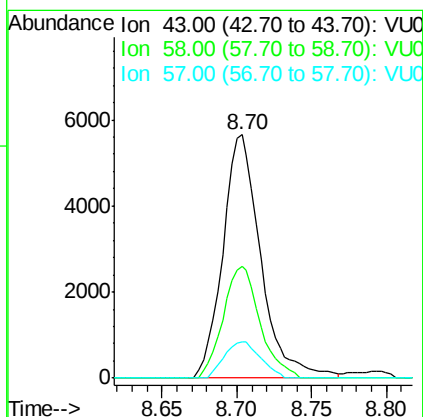
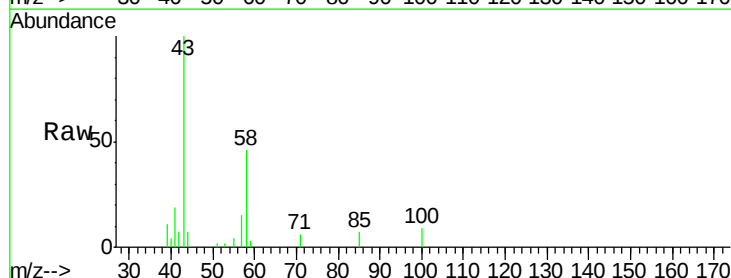
Tgt Ion: 43 Resp: 9988

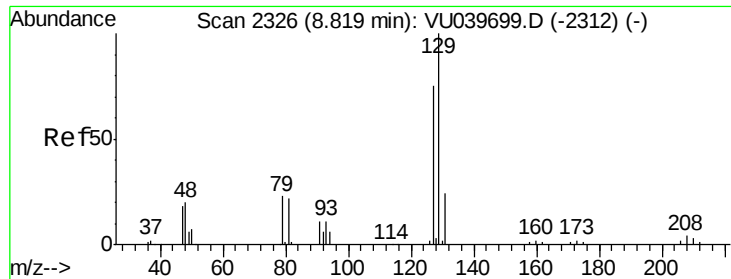
Ion Ratio Lower Upper

43 100

58 44.2 29.9 69.9

57 14.2 0.0 37.2





#55

Dibromochloromethane

Concen: 0.415 ug/l

RT: 8.82 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VU039695.D

Acq: 29 Jul 2020 10:40

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion:129 Resp: 2263

Ion Ratio Lower Upper

129 100

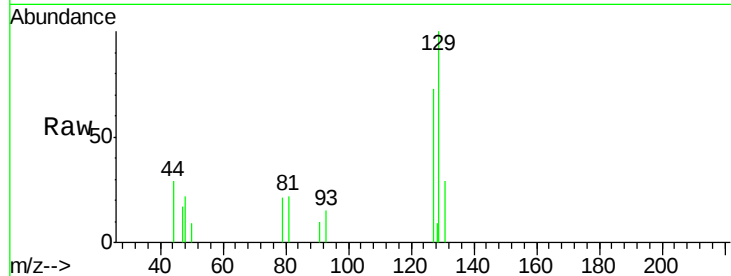
127 74.8 62.4 93.6

Manual Integrations

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

8.82

1500

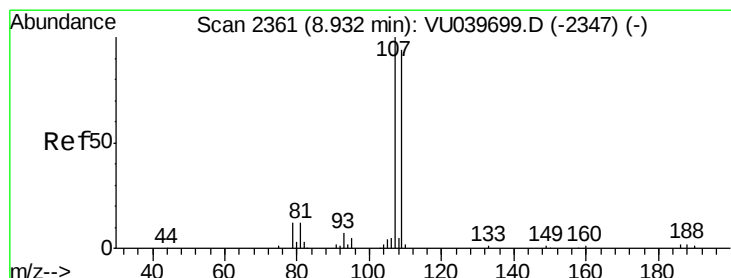
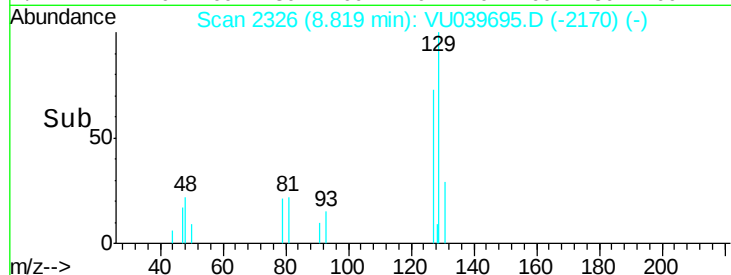
1000

500

0

8.80 8.85

Time-->



#56

1,2-Dibromoethane

Concen: 0.448 ug/l

RT: 8.93 min Scan# 2361

Delta R.T. 0.00 min

Lab File: VU039695.D

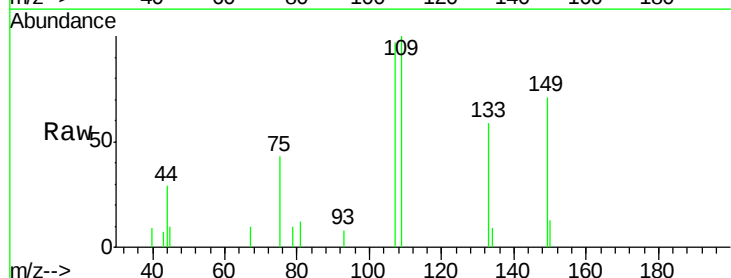
Acq: 29 Jul 2020 10:40

Tgt Ion:107 Resp: 2098

Ion Ratio Lower Upper

107 100

109 101.4 0.0 185.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

8.93

1500

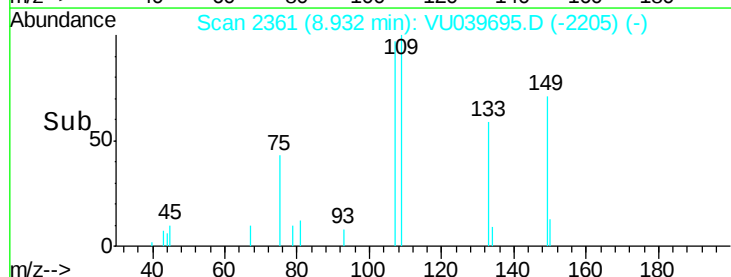
1000

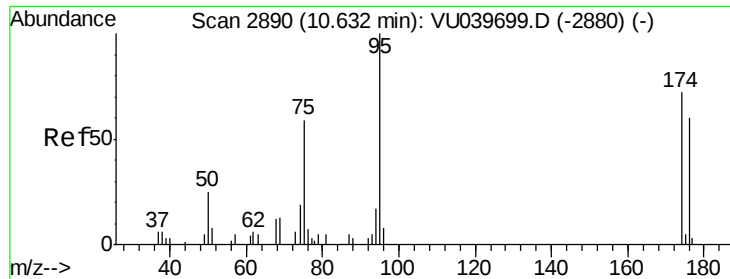
500

0

8.90 8.95

Time-->





#57
4-Bromofluorobenzene
Concen: 0.908 ug/l
RT: 10.63 min Scan# 2890
Delta R.T. 0.00 min
Lab File: VU039695.D
Acq: 29 Jul 2020 10:40

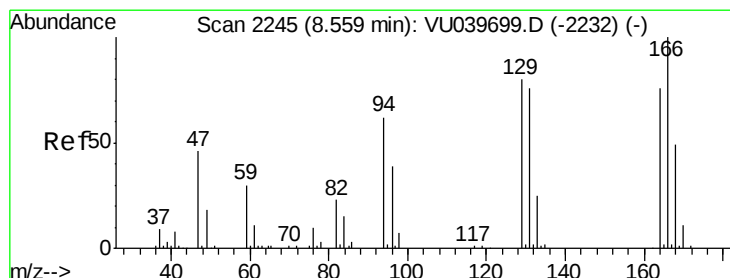
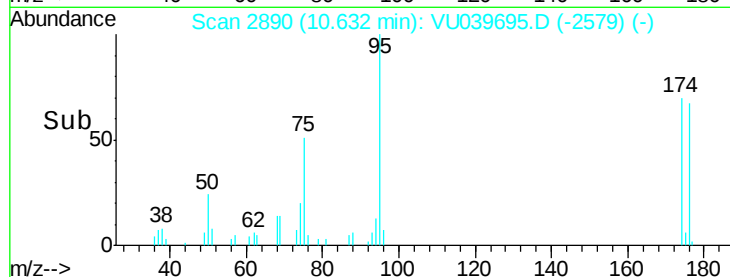
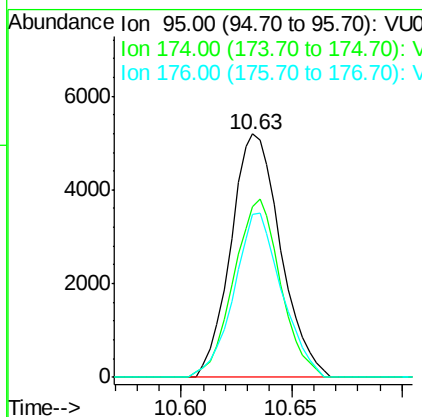
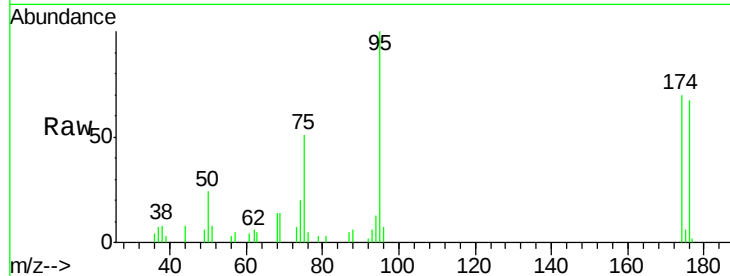
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
95	100		
174	68.8	57.0	85.4
176	64.5	50.2	75.2

Manual Integrations
APPROVED

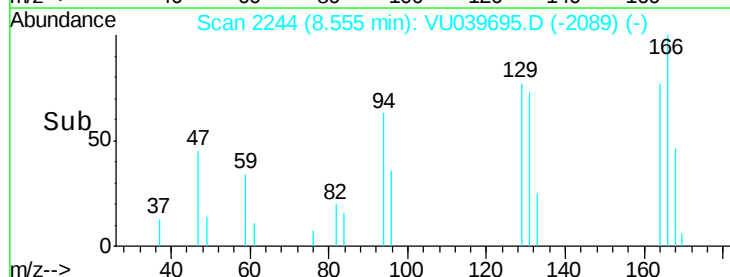
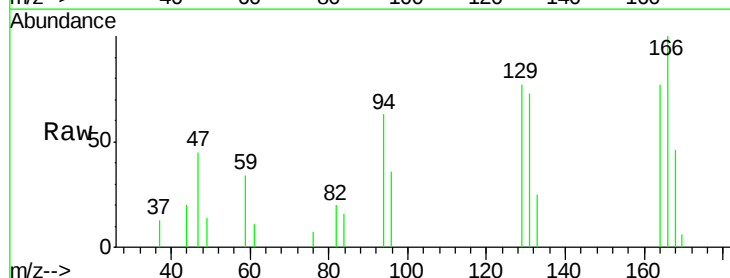
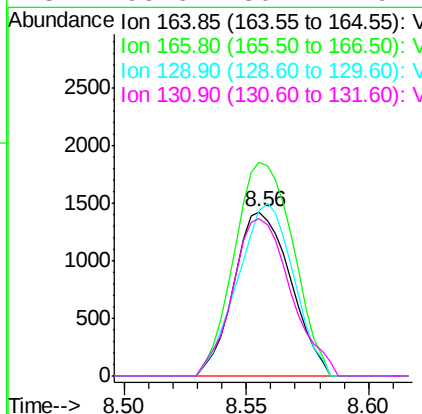
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#58
Tetrachloroethene
Concen: 0.356 ug/l
RT: 8.56 min Scan# 2244
Delta R.T. -0.00 min
Lab File: VU039695.D
Acq: 29 Jul 2020 10:40

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.2	104.8	157.2
129	100.6	84.1	126.1
131	95.6	80.1	120.1





#59
Chlorobenzene
Concen: 0.404 ug/l
RT: 9.45 min Scan# 2522
Delta R.T. 0.00 min
Lab File: VU039695.D
Acq: 29 Jul 2020 10:40

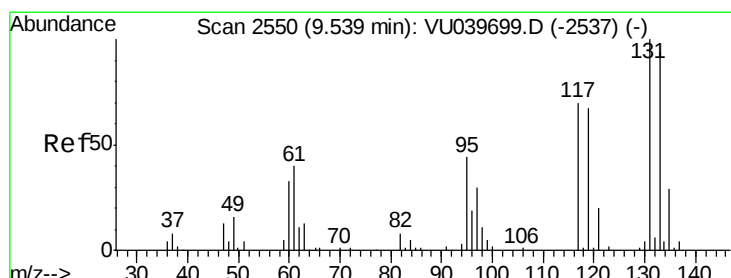
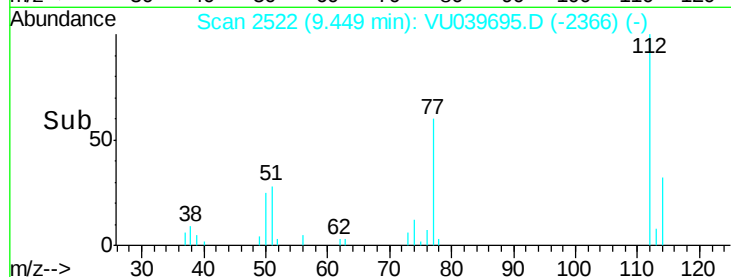
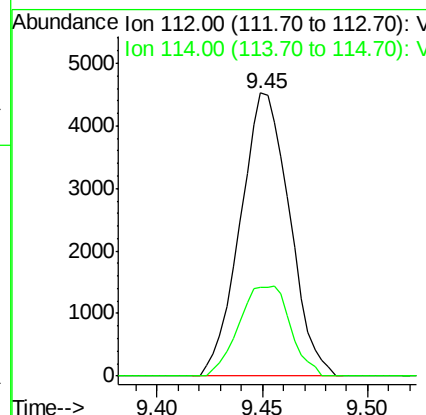
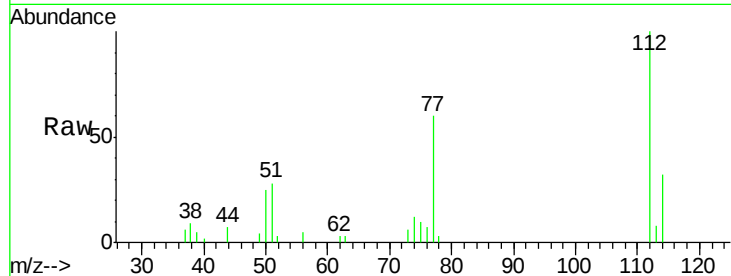
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion:112 Resp: 7336
Ion Ratio Lower Upper
112 100
114 31.5 25.8 38.6

Manual Integrations
APPROVED

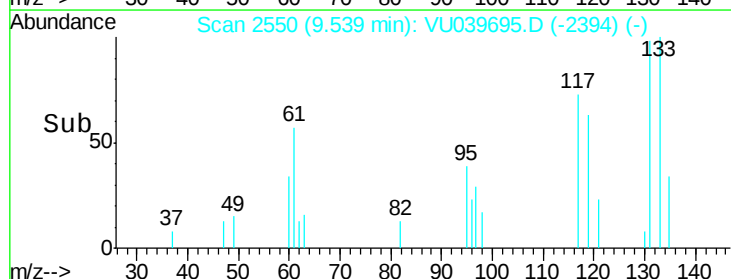
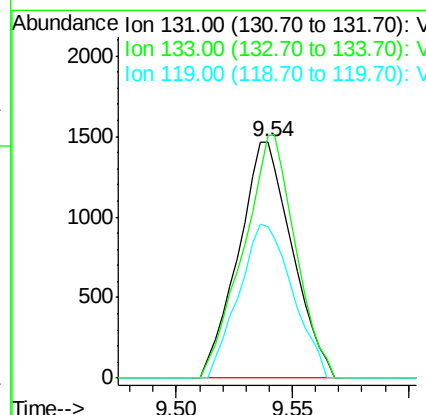
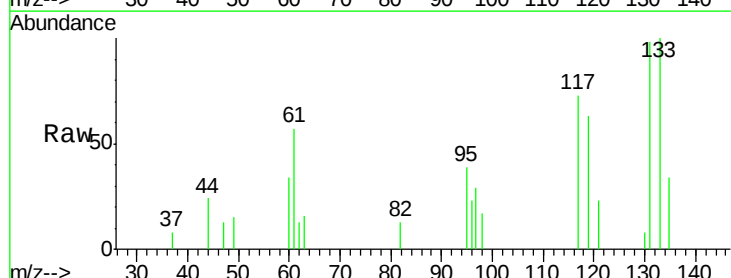
MMDadoda

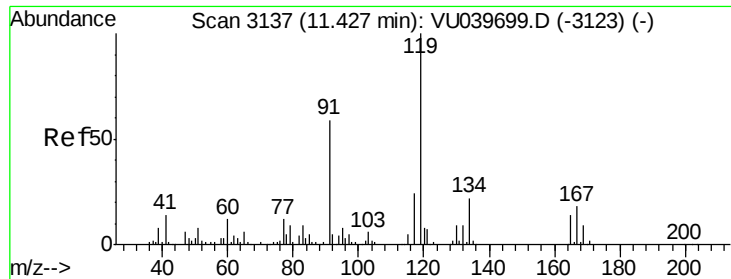
7/31/2020 3:42:39 PM



#60
1,1,1,2-Tetrachloroethane
Concen: 0.422 ug/l
RT: 9.54 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VU039695.D
Acq: 29 Jul 2020 10:40

Tgt Ion:131 Resp: 2358
Ion Ratio Lower Upper
131 100
133 100.1 75.8 113.8
119 65.4 54.6 81.8





#61

Pentachloroethane

Concen: 0.478 ug/l

RT: 11.43 min Scan# 3137

Delta R.T. 0.00 min

Lab File: VU039695.D

Acq: 29 Jul 2020 10:40

Instrument :

MSVOA_U

ClientSampled :

VSTDIC0.5

Tot Ion:117 Resp: 2068

Ion Ratio Lower Upper

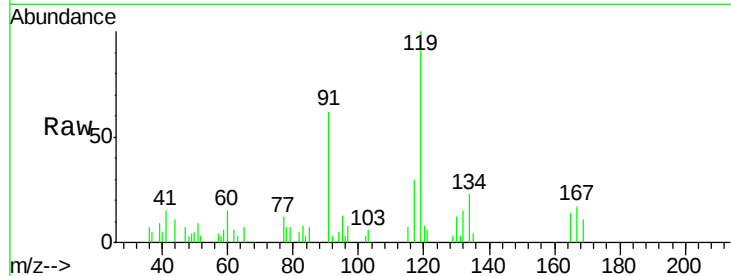
117 100

167 57.7 56.6 85.0

Manual Integrations
APPROVED

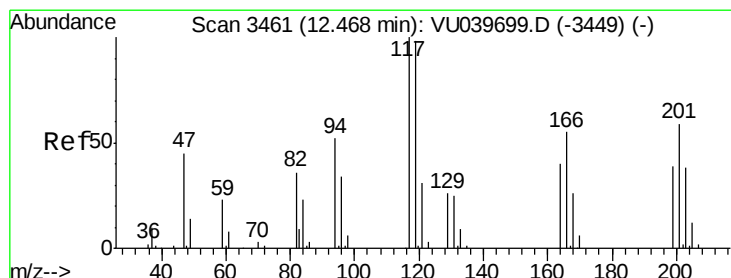
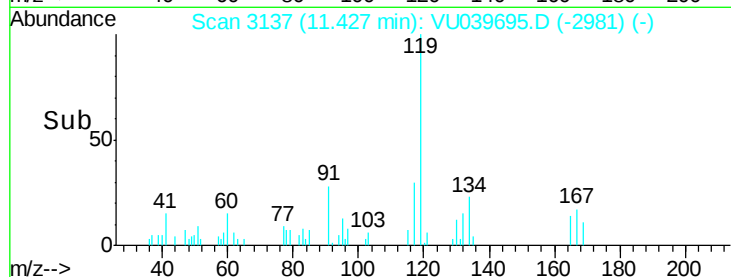
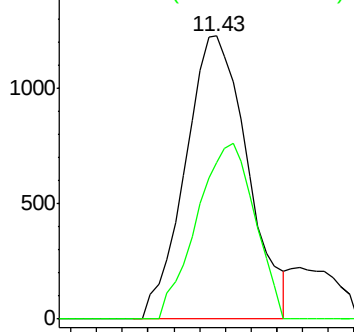
MMDadoda

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Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V



#62

Hexachloroethane

Concen: 0.379 ug/l

RT: 12.47 min Scan# 3461

Delta R.T. 0.00 min

Lab File: VU039695.D

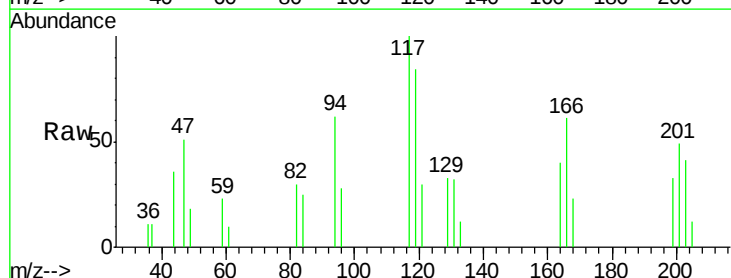
Acq: 29 Jul 2020 10:40

Tgt Ion:117 Resp: 1683

Ion Ratio Lower Upper

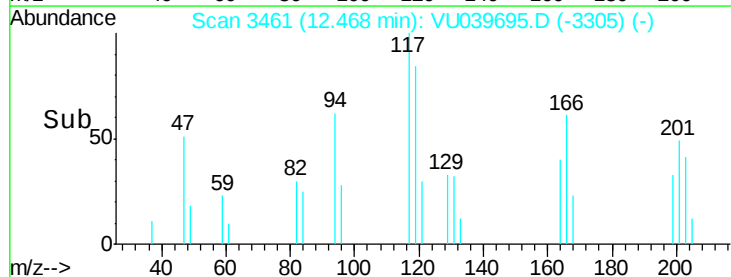
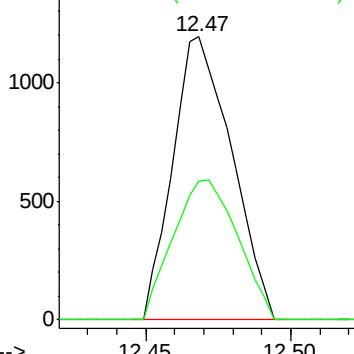
117 100

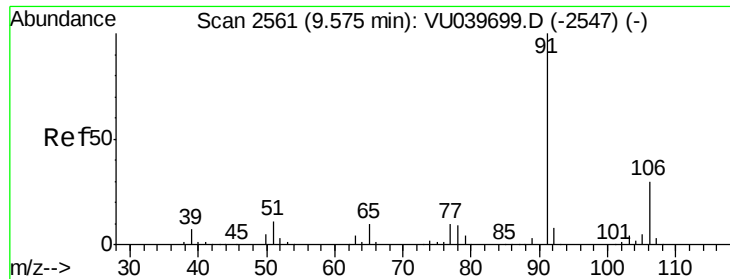
201 54.0 48.1 72.1



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V





#63
Ethyl Benzene
Concen: 0.356 ug/l
RT: 9.57 min Scan# 2561
Delta R.T. 0.00 min
Lab File: VU039695.D
Acq: 29 Jul 2020 10:40

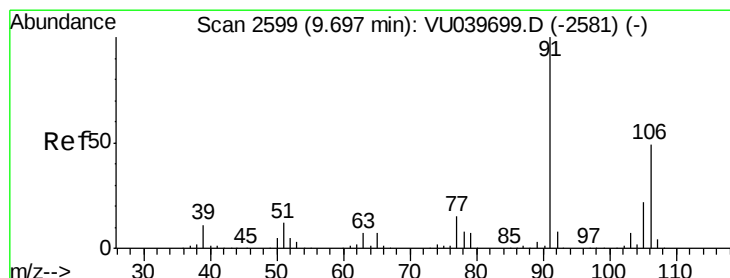
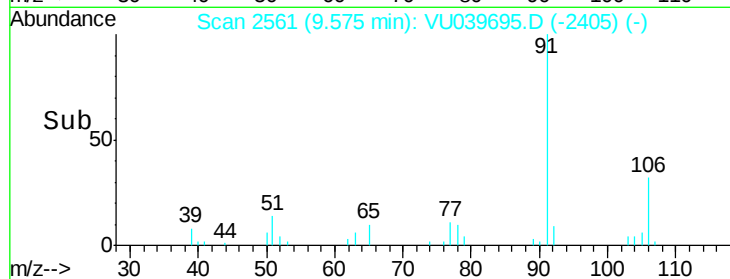
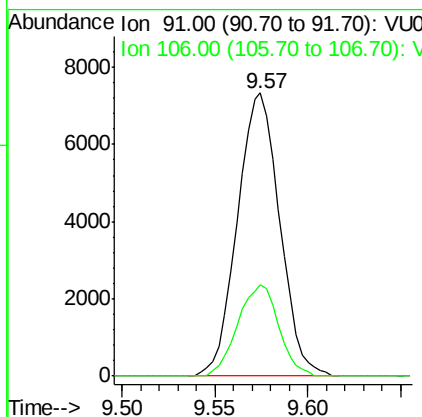
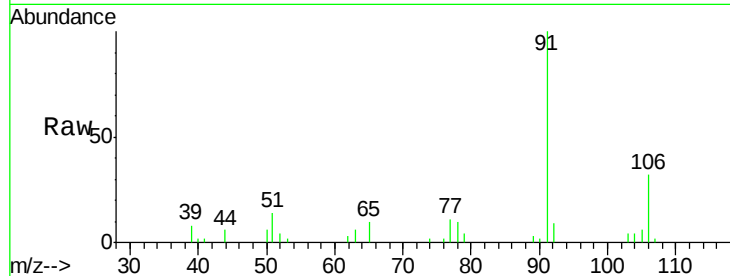
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion: 91 Resp: 11583
Ion Ratio Lower Upper
91 100
106 32.1 24.2 36.4

Manual Integrations
APPROVED

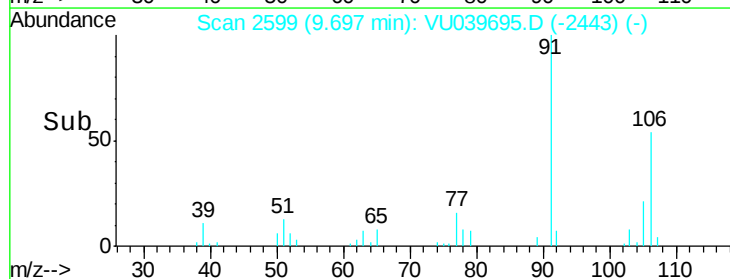
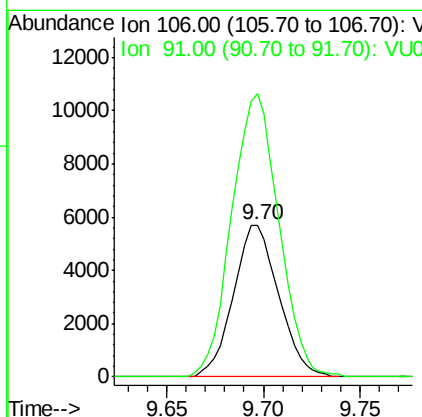
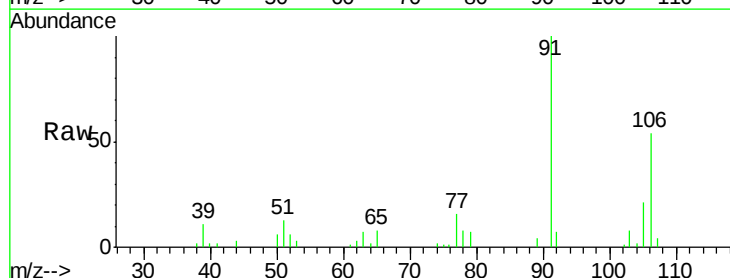
MMDadoda

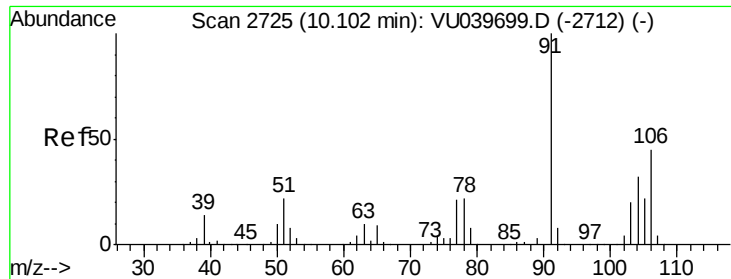
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#64
m/p-Xylenes
Concen: 0.737 ug/l
RT: 9.70 min Scan# 2599
Delta R.T. 0.00 min
Lab File: VU039695.D
Acq: 29 Jul 2020 10:40

Tgt Ion: 106 Resp: 9259
Ion Ratio Lower Upper
106 100
91 194.4 163.9 245.9





#65
o-Xylene
Concen: 0.364 ug/l
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU039695.D
Acq: 29 Jul 2020 10:40

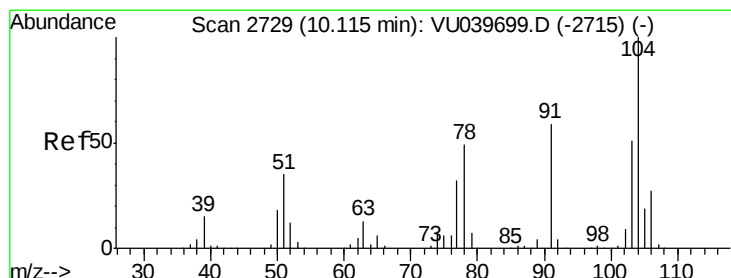
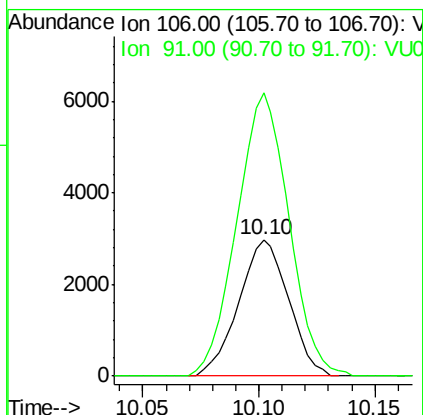
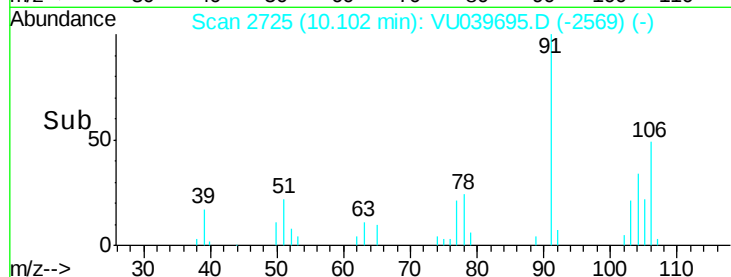
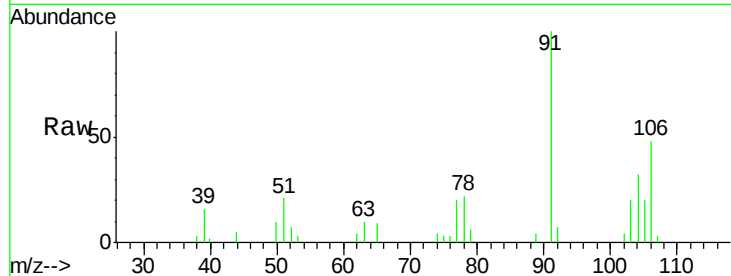
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion:106 Resp: 4435
Ion Ratio Lower Upper
106 100
91 217.6 110.3 331.0

Manual Integrations
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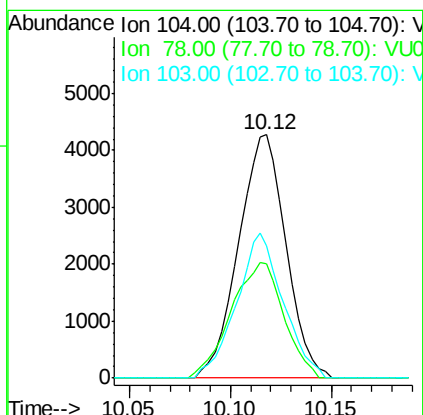
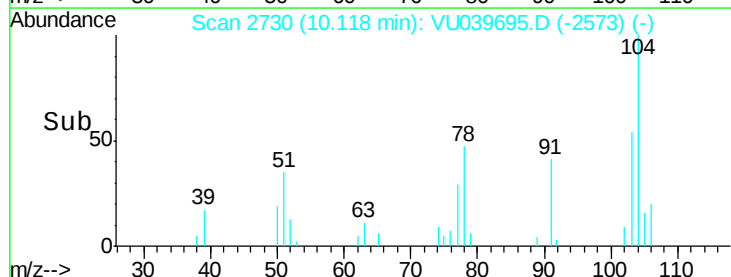
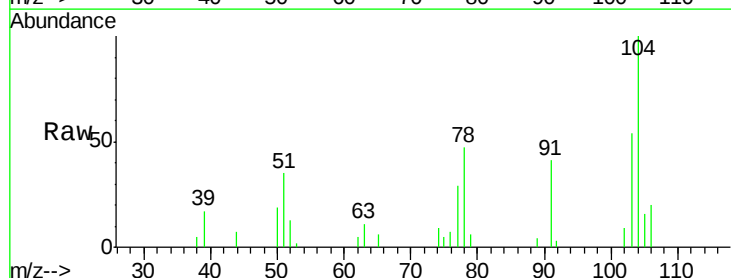
MMDadoda

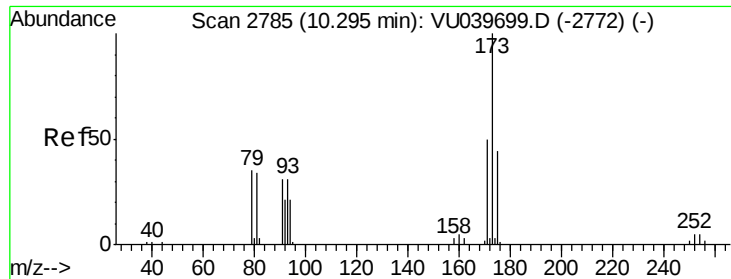
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#66
Styrene
Concen: 0.347 ug/l
RT: 10.12 min Scan# 2730
Delta R.T. 0.00 min
Lab File: VU039695.D
Acq: 29 Jul 2020 10:40

Tgt Ion:104 Resp: 7027
Ion Ratio Lower Upper
104 100
78 52.7 42.2 63.4
103 58.4 43.4 65.2





#67
Bromoform
Concen: 0.339 ug/l
RT: 10.29 min Scan# 2784
Delta R.T. -0.00 min
Lab File: VU039695.D
Acq: 29 Jul 2020 10:40

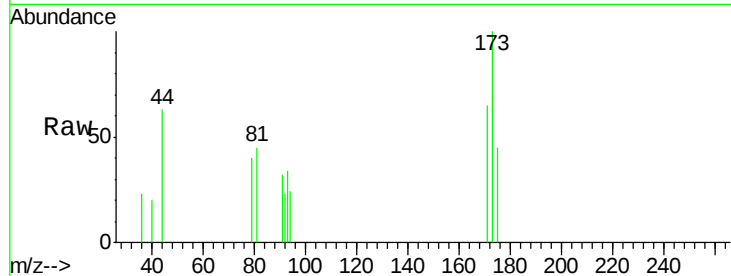
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion:173 Resp: 972
Ion Ratio Lower Upper
173 100
175 34.8 36.7 55.1#
254 0.0 3.8 5.8#

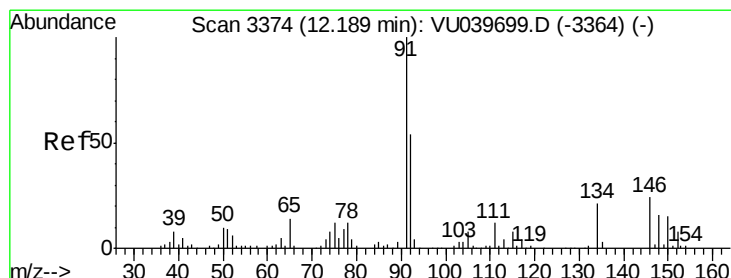
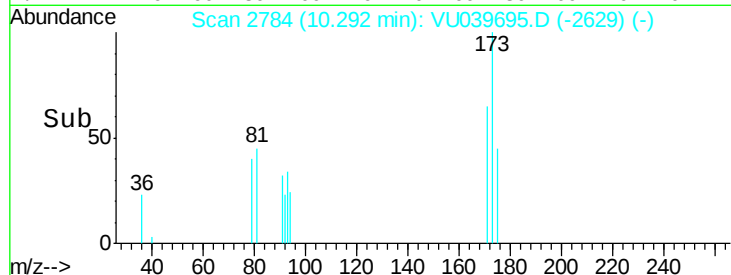
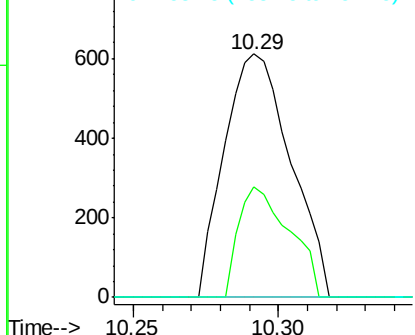
Manual Integrations
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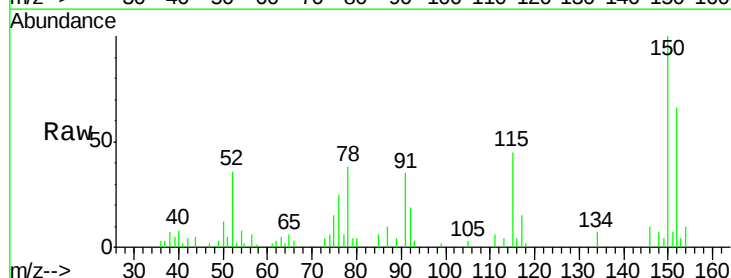


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V

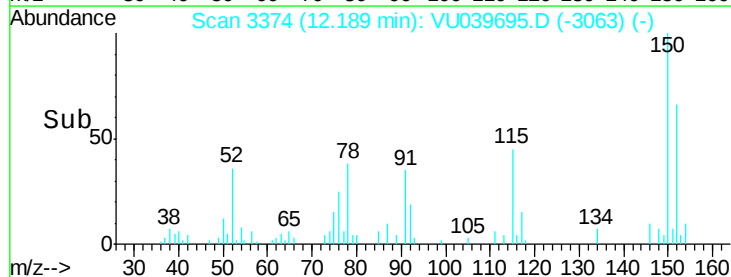
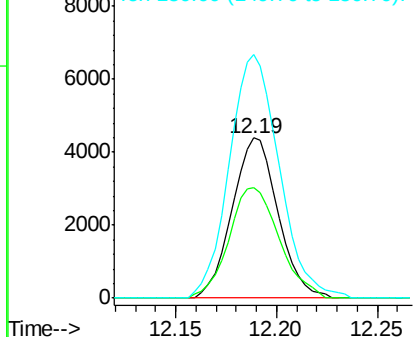


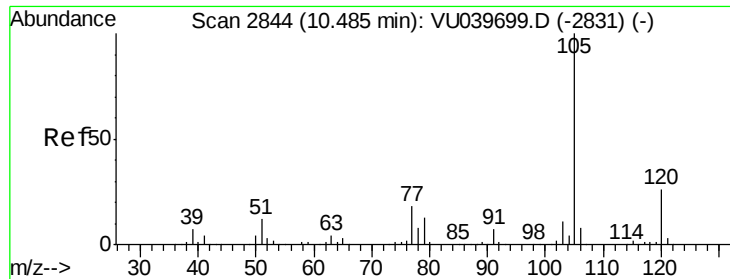
#68
1,2-Dichlorobenzene-d4
Concen: 0.803 ug/l
RT: 12.19 min Scan# 3374
Delta R.T. 0.00 min
Lab File: VU039695.D
Acq: 29 Jul 2020 10:40

Tgt Ion:152 Resp: 6985
Ion Ratio Lower Upper
152 100
115 75.6 0.0 302.4
150 165.4 0.0 645.8



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





#69

Isopropylbenzene

Concen: 0.365 ug/l

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU039695.D

Acq: 29 Jul 2020 10:40

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion:105 Resp: 11621

Ion Ratio Lower Upper

105 100

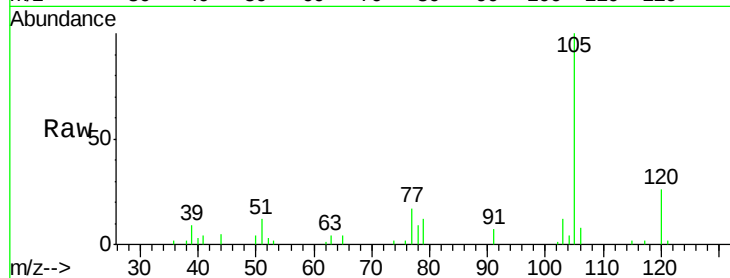
120 25.5 12.8 38.4

Manual Integrations

APPROVED

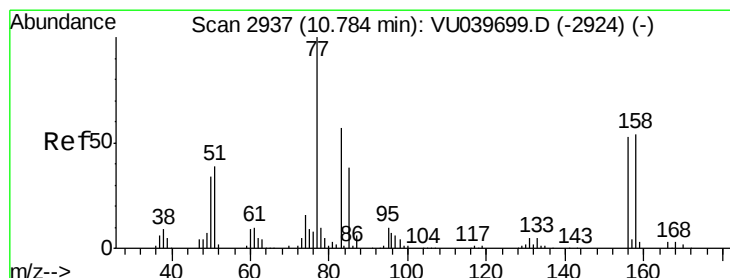
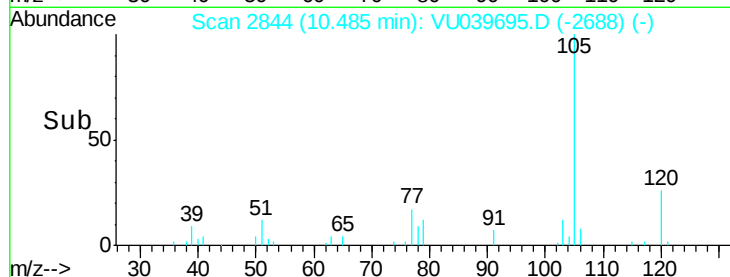
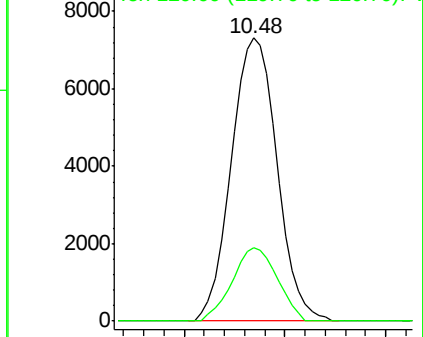
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#70

1,1,2,2-Tetrachloroethane

Concen: 0.500 ug/l

RT: 10.78 min Scan# 2937

Delta R.T. 0.00 min

Lab File: VU039695.D

Acq: 29 Jul 2020 10:40

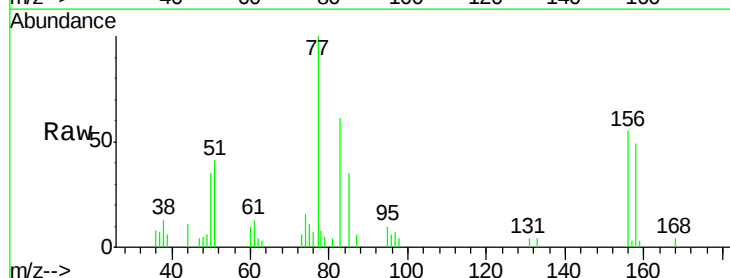
Tgt Ion: 83 Resp: 3235

Ion Ratio Lower Upper

83 100

131 4.3 7.0 10.6#

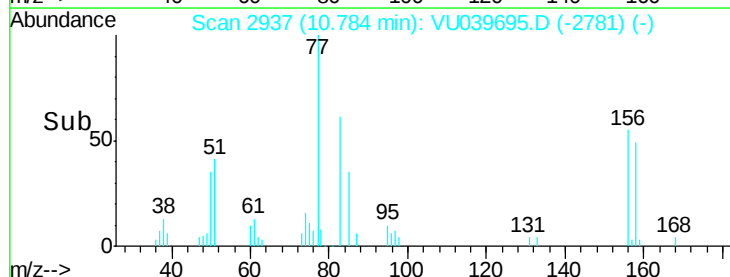
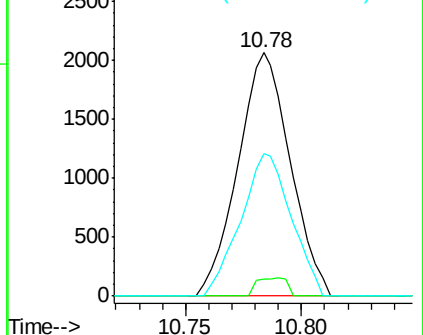
85 56.7 50.6 75.8

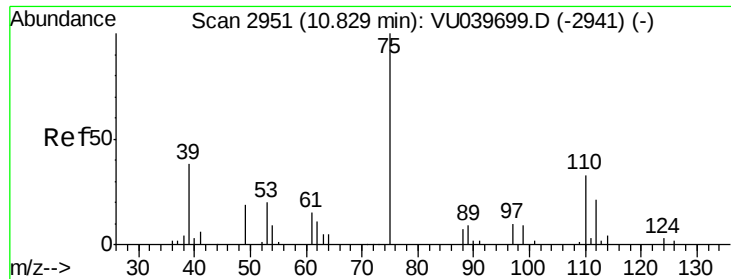


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0





#71
 1,2,3-Trichloropropane
 Concen: 0.479 ug/l m
 RT: 10.83 min Scan# 2950
 Delta R.T. -0.00 min
 Lab File: VU039695.D
 Acq: 29 Jul 2020 10:40

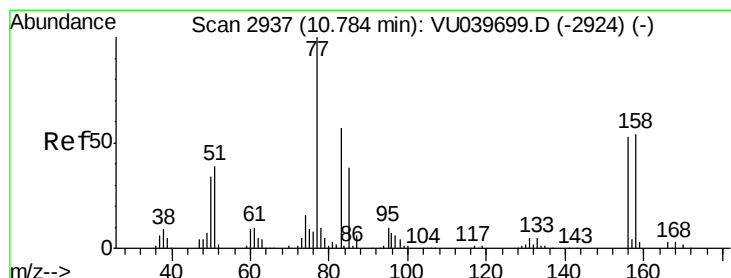
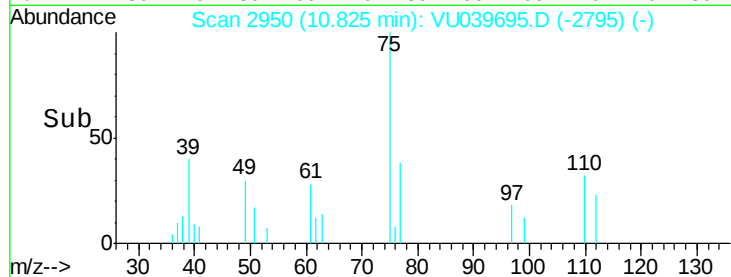
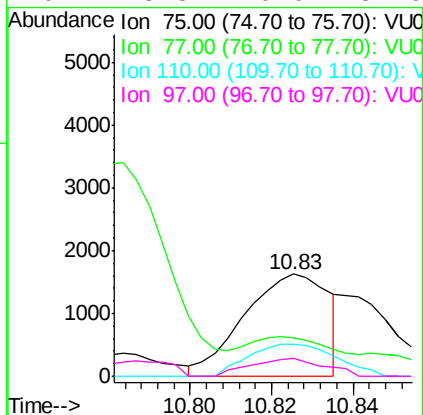
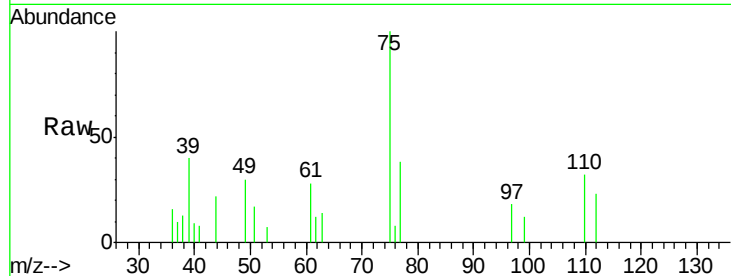
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion:	75	Resp:	2340
Ion	Ratio	Lower	Upper
75	100		
77	55.5	0.0	91.0
110	32.9	0.0	64.2
97	15.3	0.0	32.6

Manual Integrations
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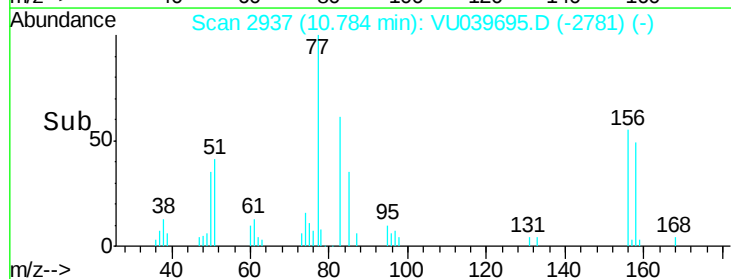
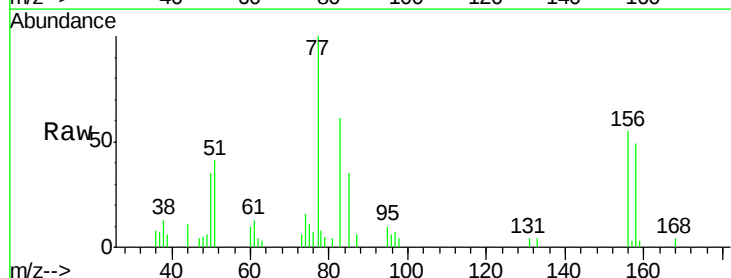
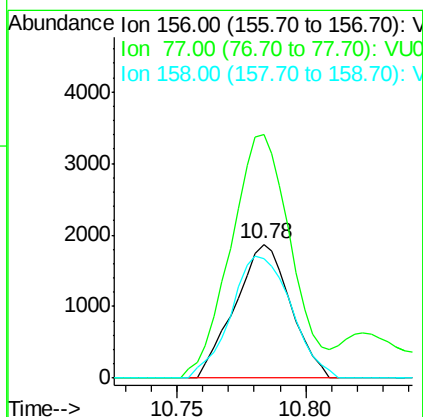
MMDadoda

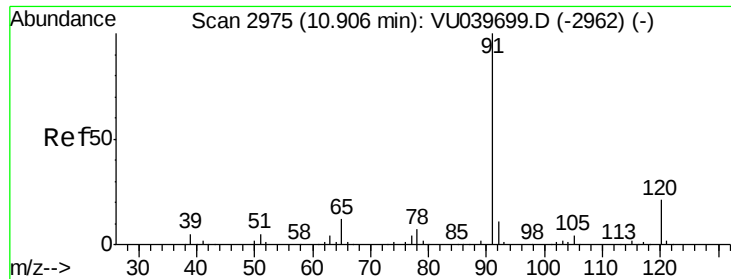
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#72
 Bromobenzene
 Concen: 0.396 ug/l
 RT: 10.78 min Scan# 2937
 Delta R.T. 0.00 min
 Lab File: VU039695.D
 Acq: 29 Jul 2020 10:40

Tgt Ion:	156	Resp:	2808
Ion	Ratio	Lower	Upper
156	100		
77	198.0	0.0	385.2
158	99.3	0.0	200.8





#73
n-propylbenzene
Concen: 0.356 ug/l
RT: 10.91 min Scan# 2975
Delta R.T. 0.00 min
Lab File: VU039695.D
Acq: 29 Jul 2020 10:40

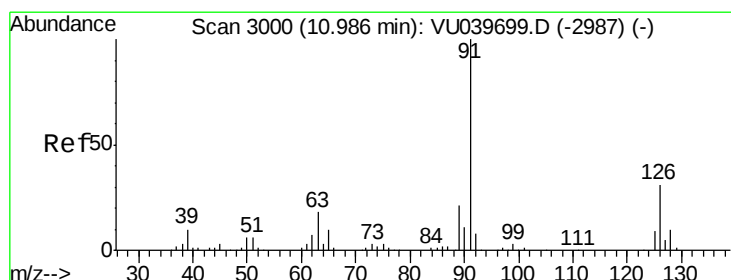
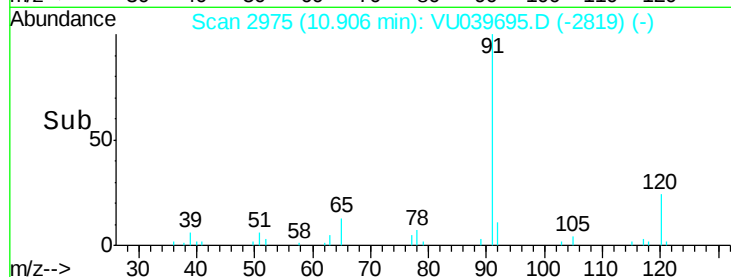
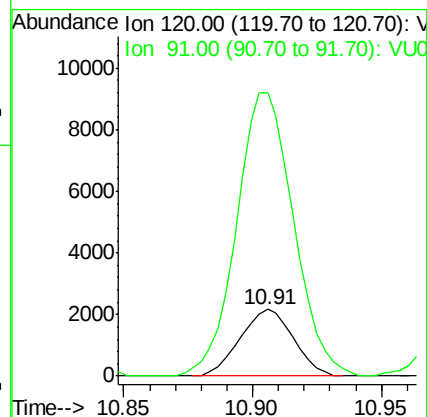
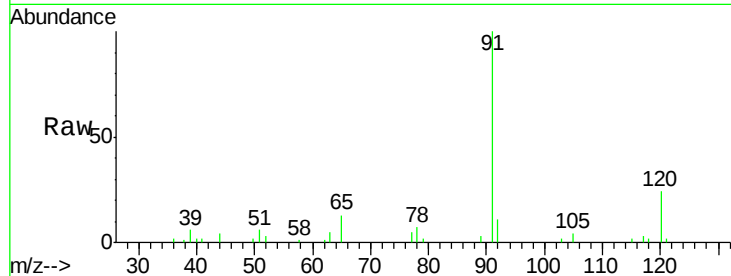
Instrument :
MSVOA_U
ClientSampled :
VSTDIC0.5

Tot Ion:120 Resp: 3124
Ion Ratio Lower Upper
120 100
91 454.4 371.7 557.5

Manual Integrations
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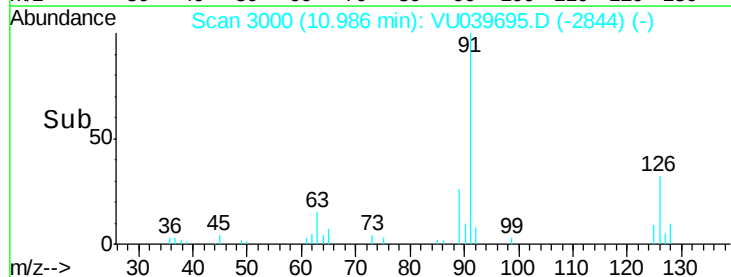
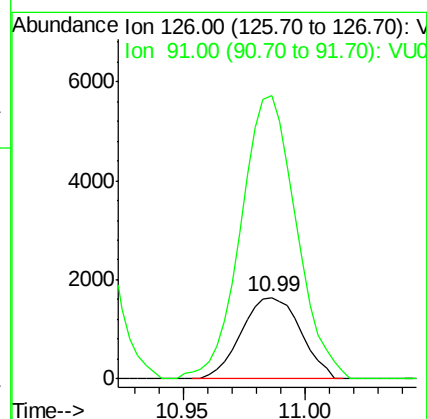
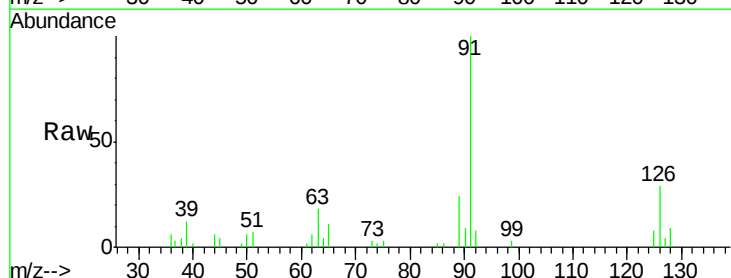
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#74
2-Chlorotoluene
Concen: 0.375 ug/l
RT: 10.99 min Scan# 3000
Delta R.T. 0.00 min
Lab File: VU039695.D
Acq: 29 Jul 2020 10:40

Tgt Ion:126 Resp: 2760
Ion Ratio Lower Upper
126 100
91 325.8 0.0 637.0





#75

1,3,5-Trimethylbenzene

Concen: 0.353 ug/l

RT: 11.09 min Scan# 3031

Delta R.T. 0.00 min

Lab File: VU039695.D

Acq: 29 Jul 2020 10:40

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion:105 Resp: 9446

Ion Ratio Lower Upper

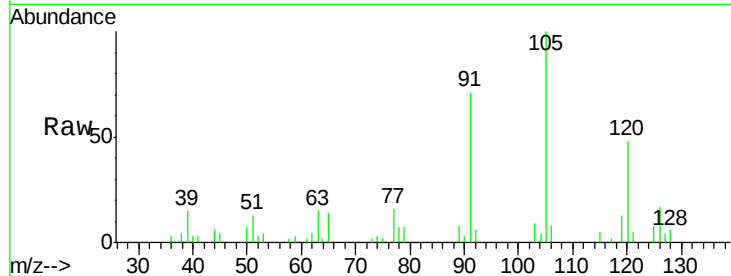
105 100

120 48.7 38.0 57.0

Manual Integrations
APPROVED

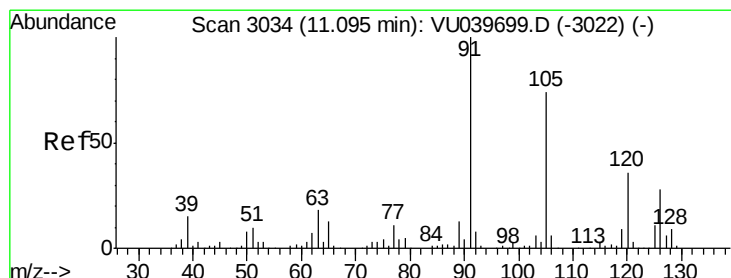
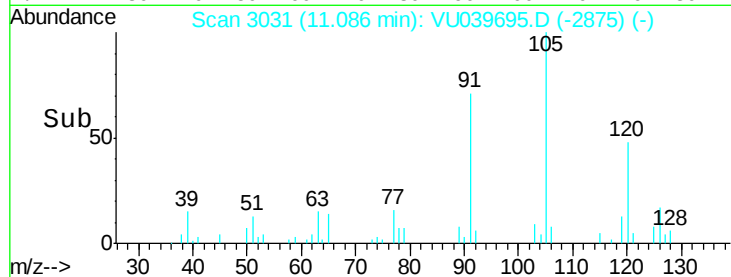
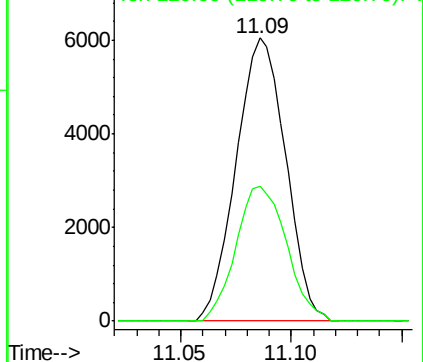
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

4-Chlorotoluene

Concen: 0.365 ug/l

RT: 11.10 min Scan# 3034

Delta R.T. 0.00 min

Lab File: VU039695.D

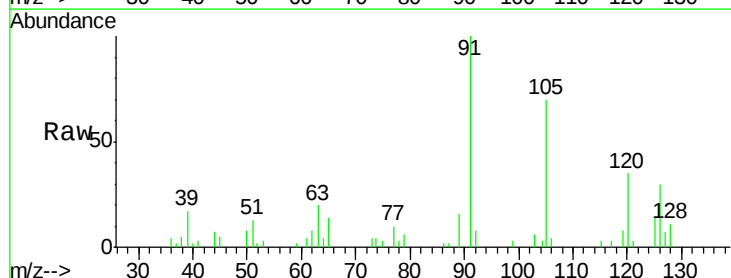
Acq: 29 Jul 2020 10:40

Tgt Ion:126 Resp: 2799

Ion Ratio Lower Upper

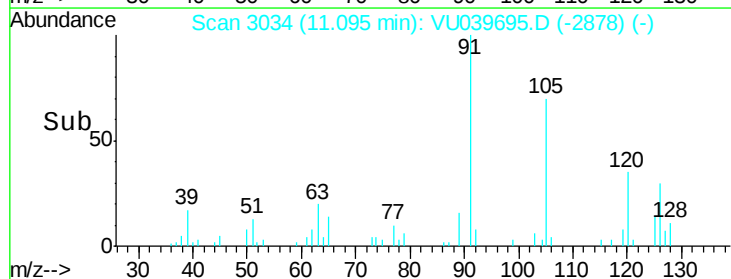
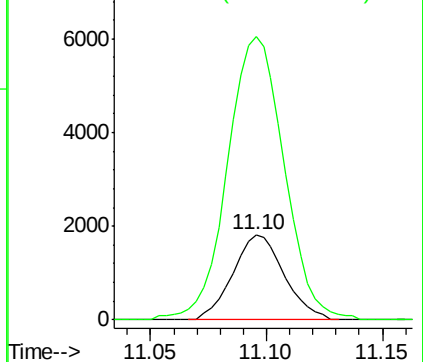
126 100

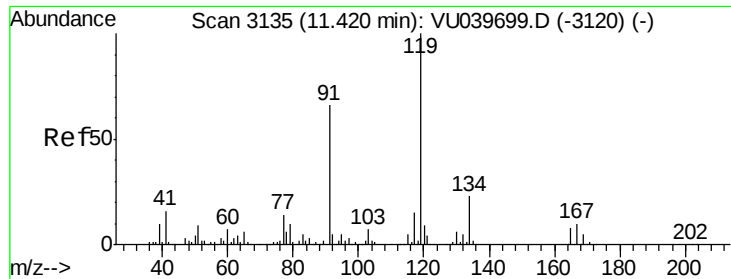
91 366.6 0.0 732.2



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#77

tert-Butylbenzene

Concen: 0.365 ug/l

RT: 11.42 min Scan# 3134

Delta R.T. -0.00 min

Lab File: VU039695.D

Acq: 29 Jul 2020 10:40

Instrument :

MSVOA_U

ClientSampleId :

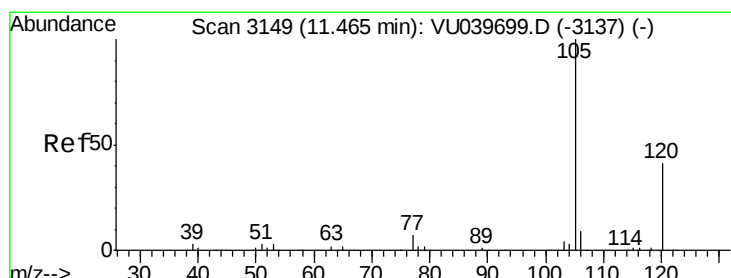
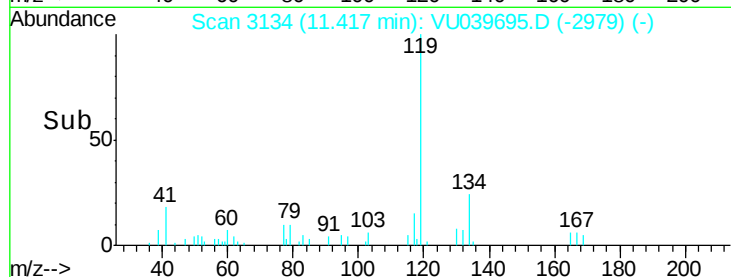
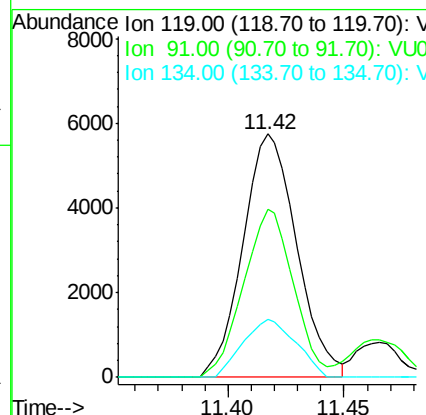
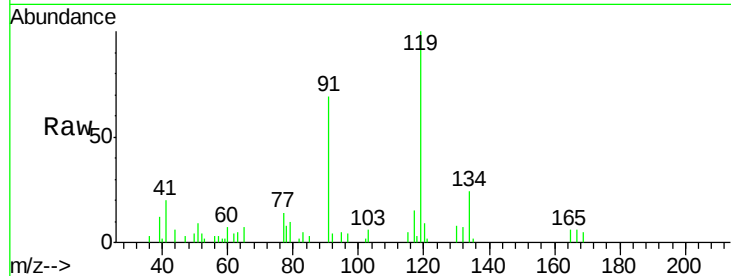
VSTDIC0.5

Tot Ion:119	Resp:	9264
Ion Ratio	Lower	Upper
119 100		
91 63.9	31.9	95.5
134 23.3	18.2	27.4

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#78

1,2,4-Trimethylbenzene

Concen: 0.352 ug/l

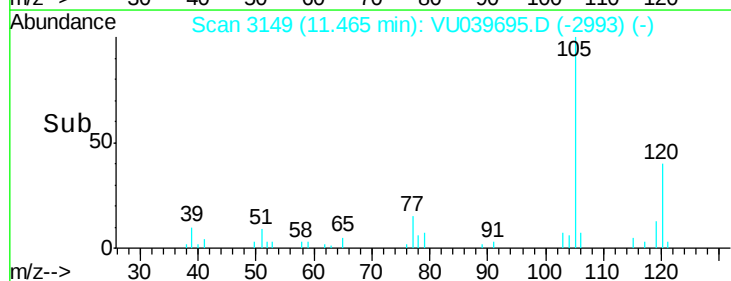
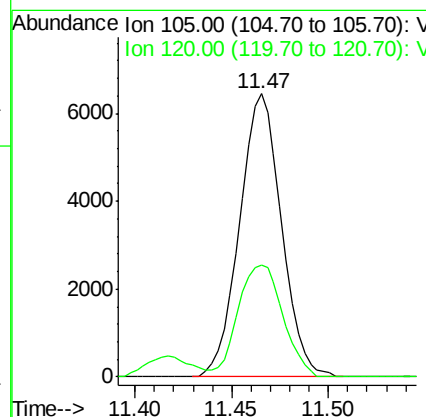
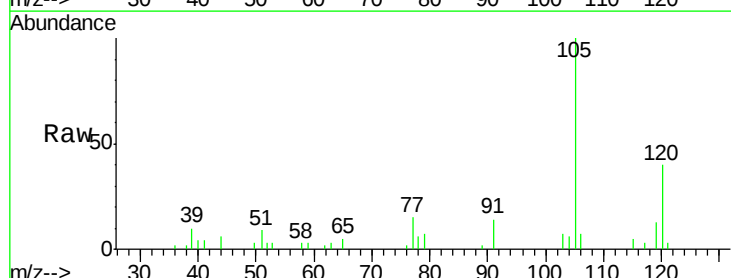
RT: 11.47 min Scan# 3149

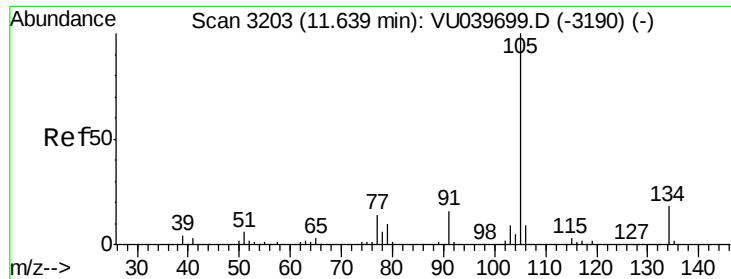
Delta R.T. 0.00 min

Lab File: VU039695.D

Acq: 29 Jul 2020 10:40

Tgt Ion:105	Resp:	9690
Ion Ratio	Lower	Upper
105 100		
120 42.1	22.7	68.0





#79

sec-Butylbenzene

Concen: 0.351 ug/l

RT: 11.64 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VU039695.D

Acq: 29 Jul 2020 10:40

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion:105 Resp: 12742

Ion Ratio Lower Upper

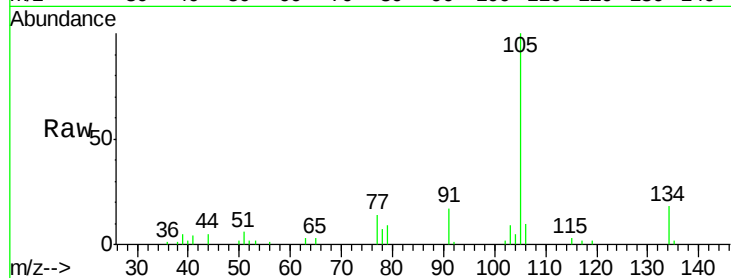
105 100

134 18.8 14.8 22.2

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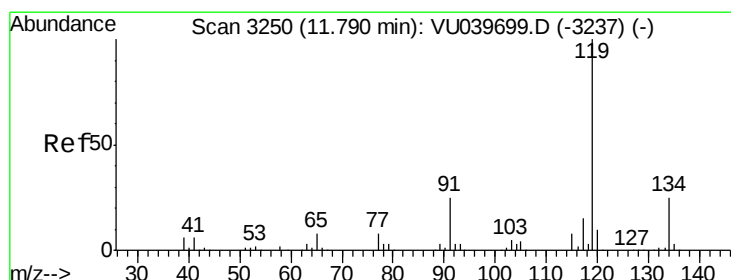
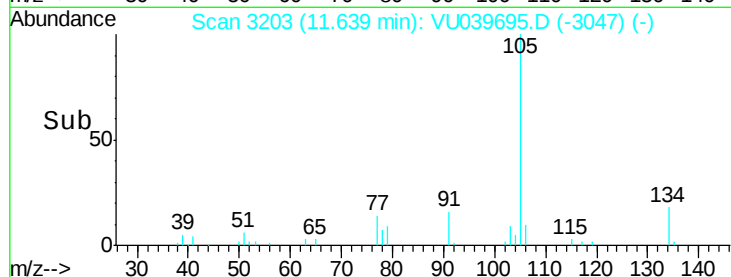
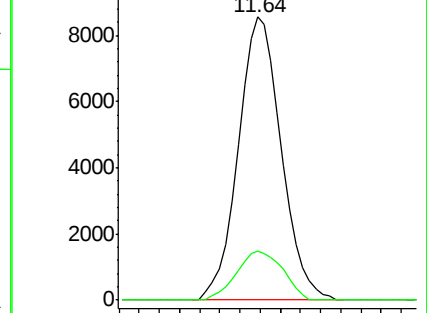
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#81

p-Isopropyltoluene

Concen: 0.343 ug/l

RT: 11.79 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VU039695.D

Acq: 29 Jul 2020 10:40

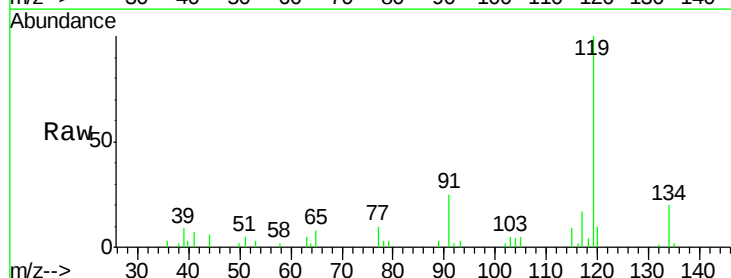
Tgt Ion:119 Resp: 10043

Ion Ratio Lower Upper

119 100

134 22.8 20.2 30.4

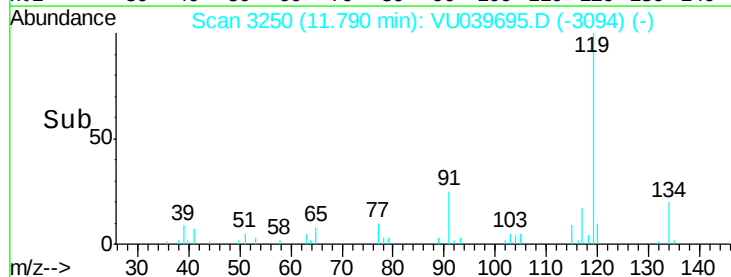
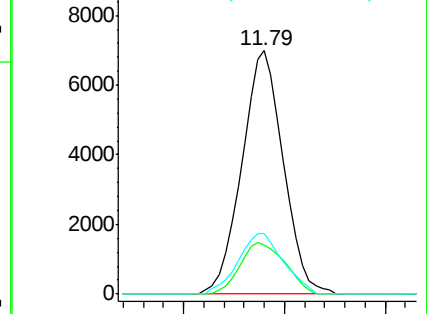
91 27.0 20.7 31.1

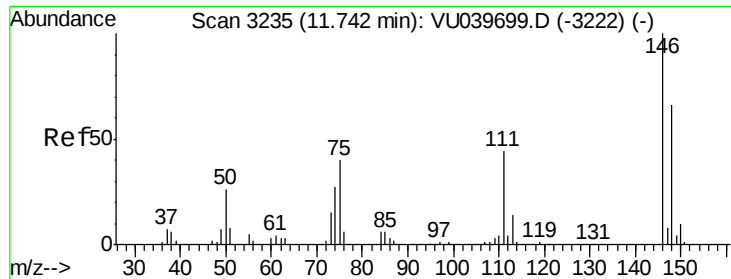


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0





#82
 1,3-Dichlorobenzene
 Concen: 0.406 ug/l
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU039695.D
 Acq: 29 Jul 2020 10:40

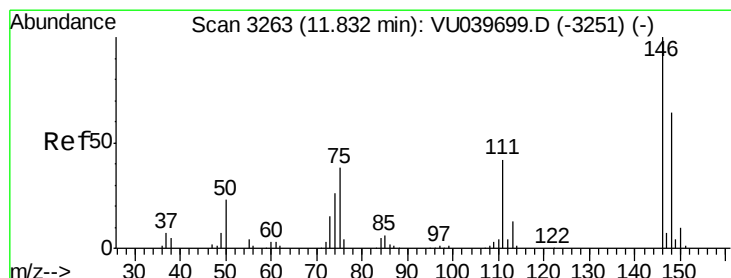
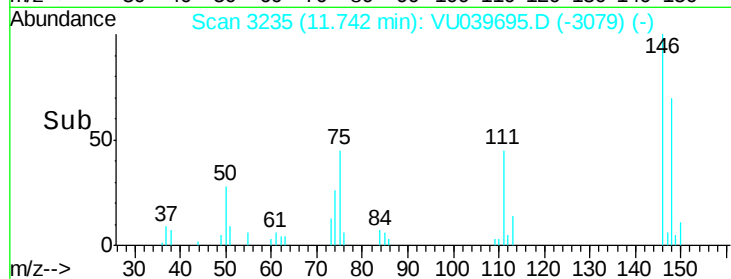
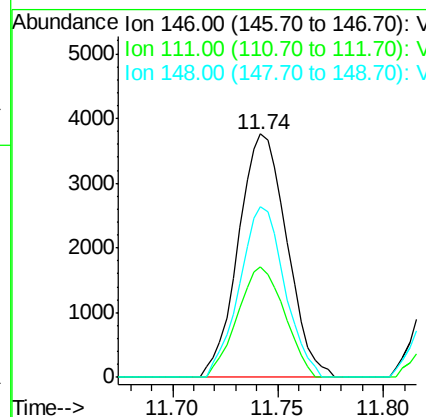
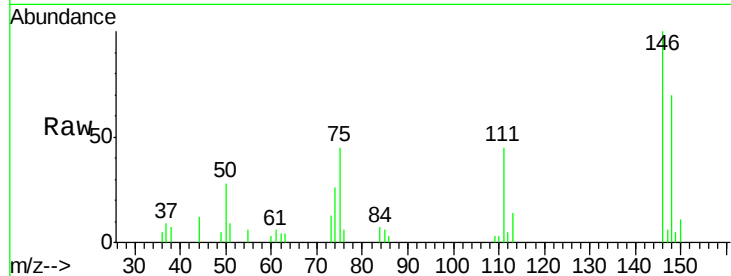
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.9	34.5	51.7
148	65.2	51.4	77.0

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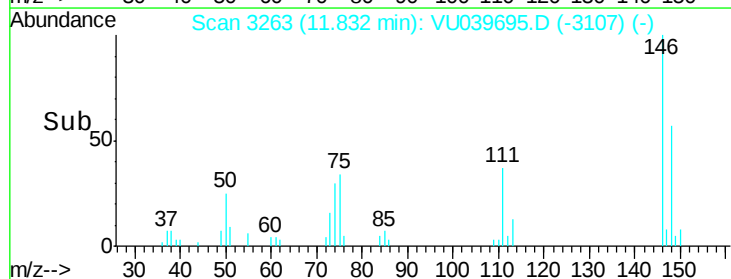
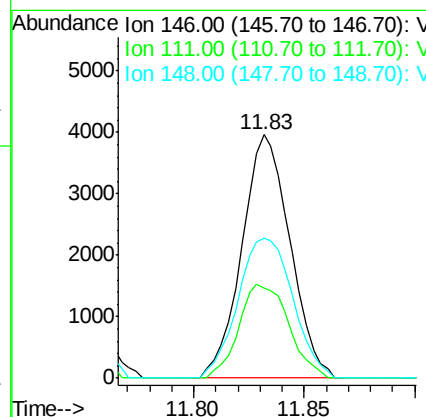
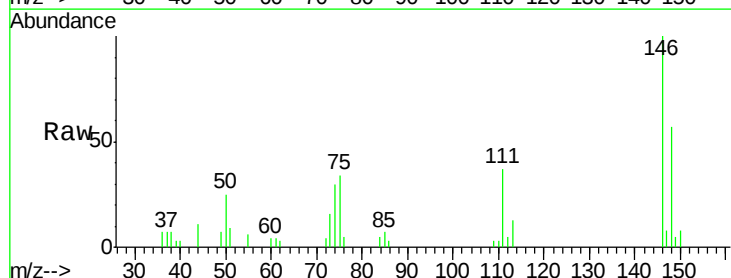
MMDadoda

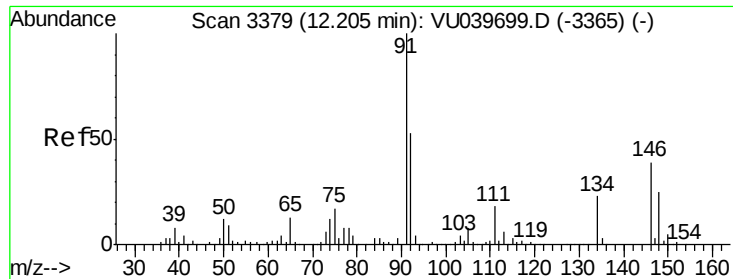
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#83
 1,4-Dichlorobenzene
 Concen: 0.401 ug/l
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU039695.D
 Acq: 29 Jul 2020 10:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	33.8	50.6
148	65.6	51.1	76.7





#84
n-Butylbenzene
Concen: 0.362 ug/l
RT: 12.20 min Scan# 3378
Delta R.T. -0.00 min
Lab File: VU039695.D
Acq: 29 Jul 2020 10:40

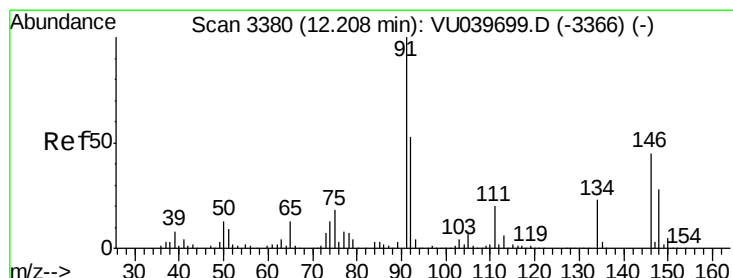
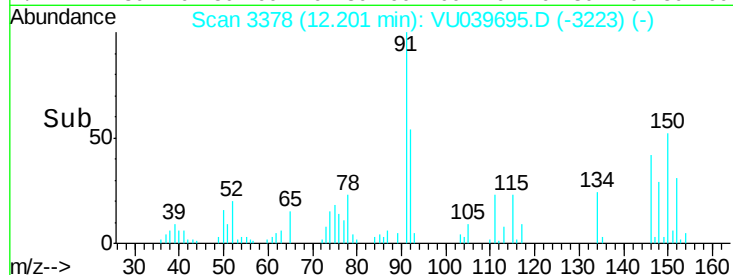
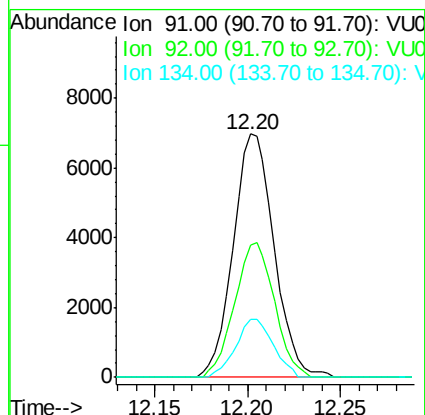
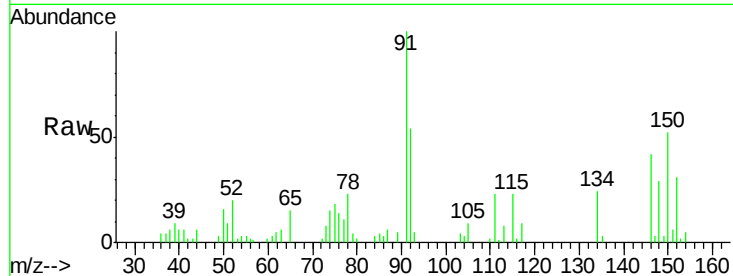
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion:	91	Resp:	10666
Ion Ratio	Lower	Upper	
91	100		
92	53.7	42.6	64.0
134	21.7	18.2	27.4

Manual Integrations
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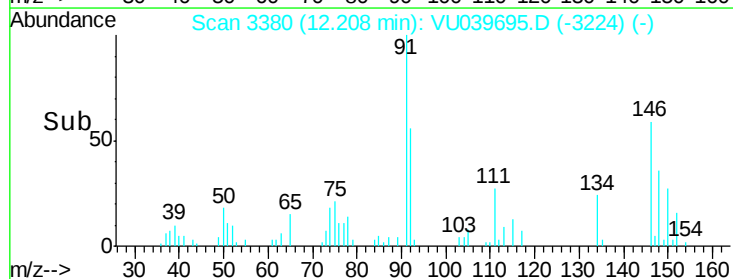
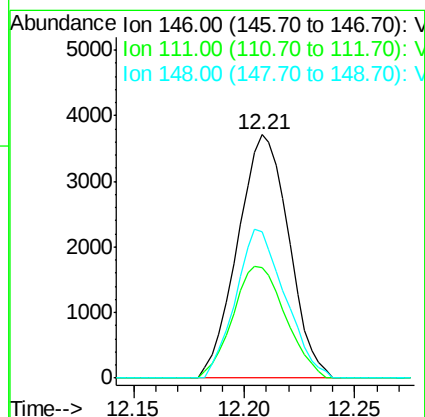
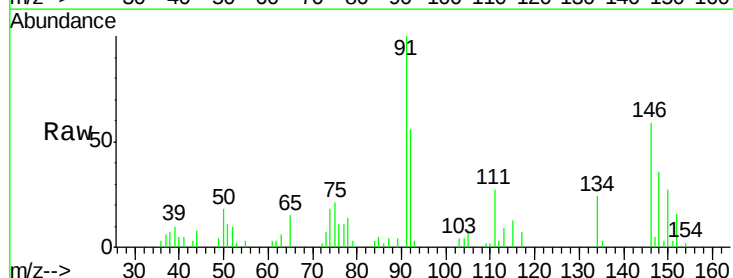
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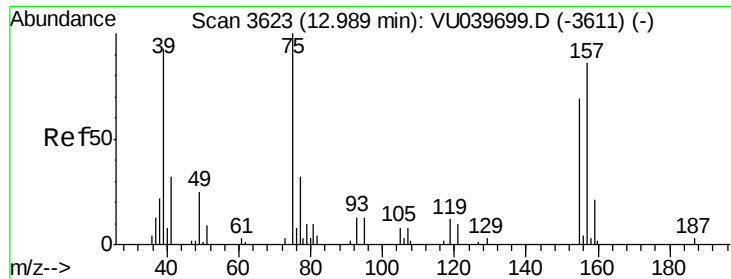
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#85
1,2-Dichlorobenzene
Concen: 0.429 ug/l
RT: 12.21 min Scan# 3380
Delta R.T. 0.00 min
Lab File: VU039695.D
Acq: 29 Jul 2020 10:40

Tgt Ion:	146	Resp:	5961
Ion Ratio	Lower	Upper	
146	100		
111	47.3	22.8	68.3
148	59.2	31.7	95.1





#86
 1,2-Dibromo-3-Chloropropane
 Concen: 0.416 ug/l
 RT: 12.99 min Scan# 3623
 Delta R.T. 0.00 min
 Lab File: VU039695.D
 Acq: 29 Jul 2020 10:40

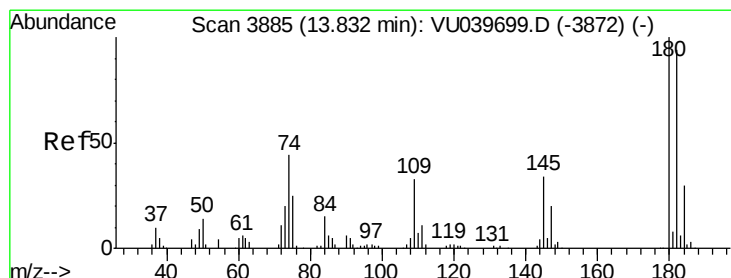
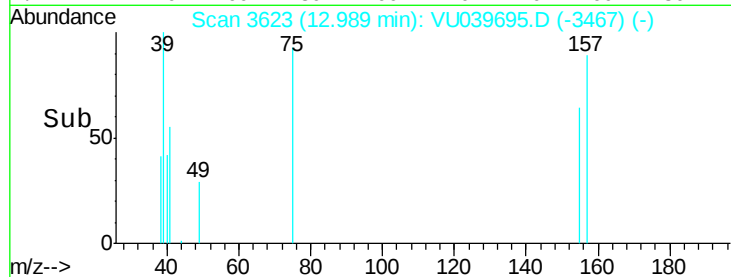
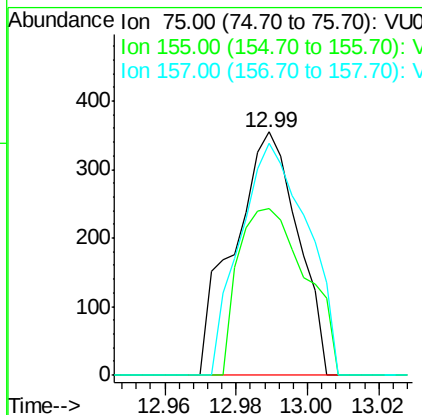
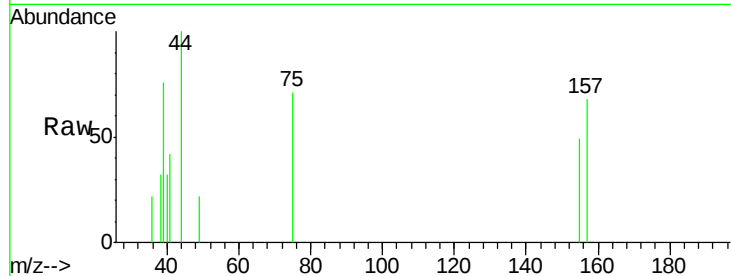
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
75	100		
155	72.8	52.9	79.3
157	100.9	67.8	101.6

Manual Integrations
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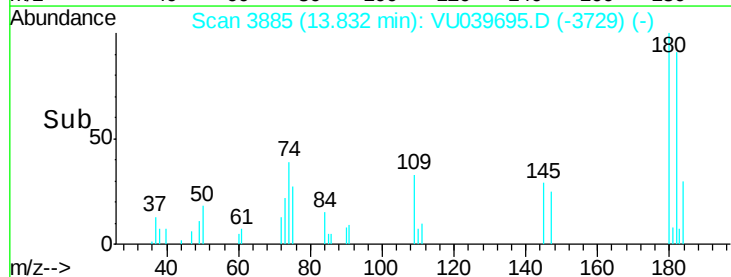
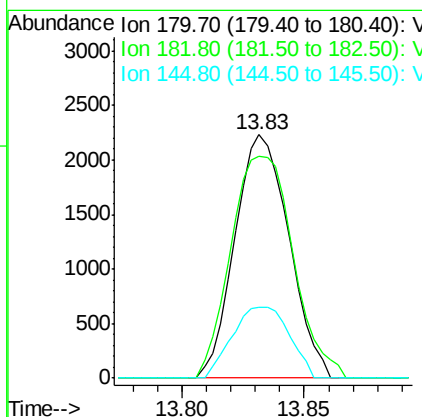
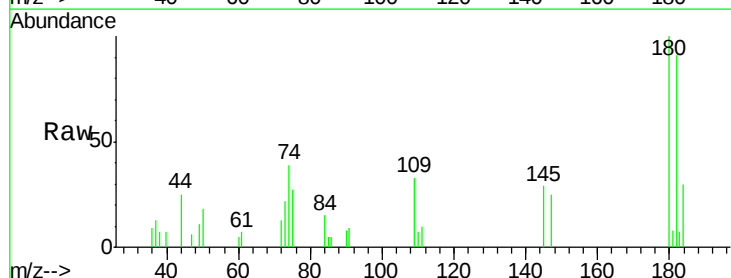
MMDadoda

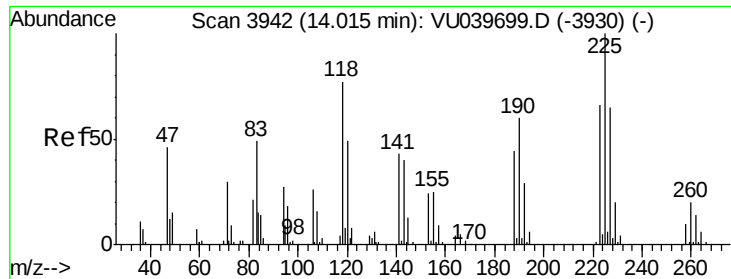
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#87
 1,2,4-Trichlorobenzene
 Concen: 0.345 ug/l
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU039695.D
 Acq: 29 Jul 2020 10:40

Tgt Ion	Ratio	Lower	Upper
180	100		
182	105.2	76.2	114.4
145	30.8	26.8	40.2





#88

Hexachlorobutadiene

Concen: 0.358 ug/l

RT: 14.01 min Scan# 3941

Delta R.T. -0.00 min

Lab File: VU039695.D

Acq: 29 Jul 2020 10:40

Instrument :

MSVOA_U

ClientSampleId :

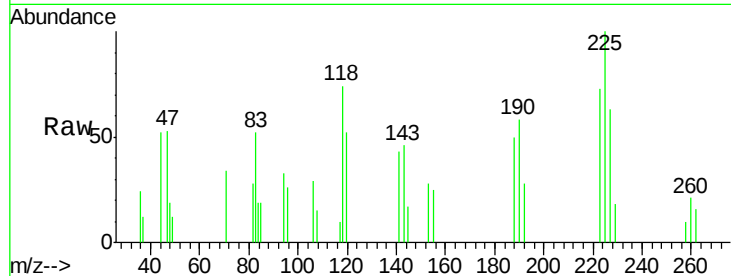
VSTDIC0.5

Tot Ion:	225	Resp:	1576
Ion Ratio	Lower	Upper	
225	100		
223	70.8	52.4	78.6
227	55.7	50.7	76.1

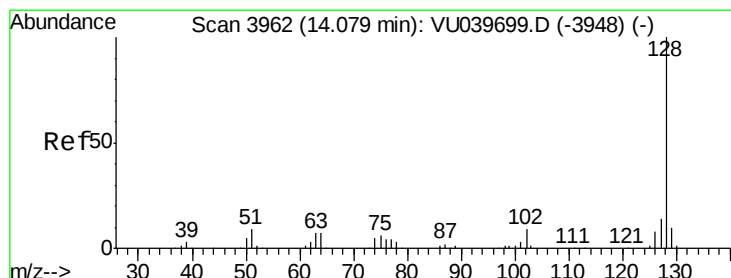
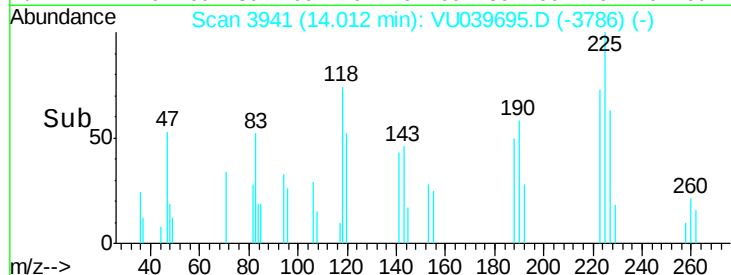
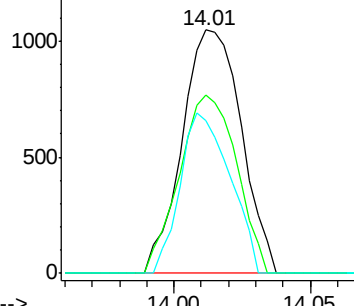
Manual Integrations
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Abundance Ion 224.60 (224.30 to 225.30): V
Ion 222.60 (222.30 to 223.30): V
Ion 226.60 (226.30 to 227.30): V



#89

Naphthalene

Concen: 0.368 ug/l

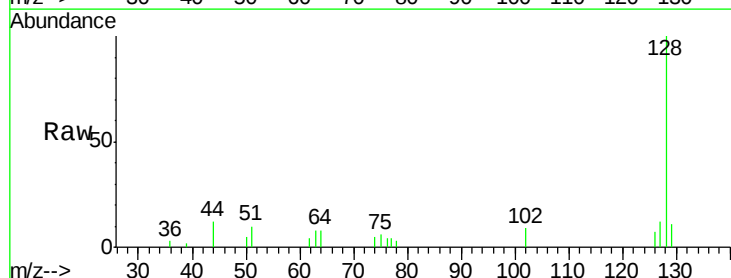
RT: 14.08 min Scan# 3962

Delta R.T. 0.00 min

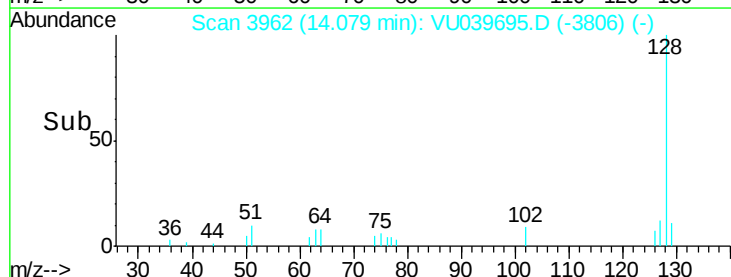
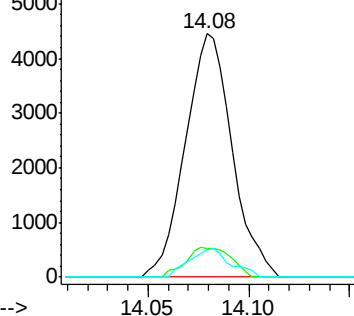
Lab File: VU039695.D

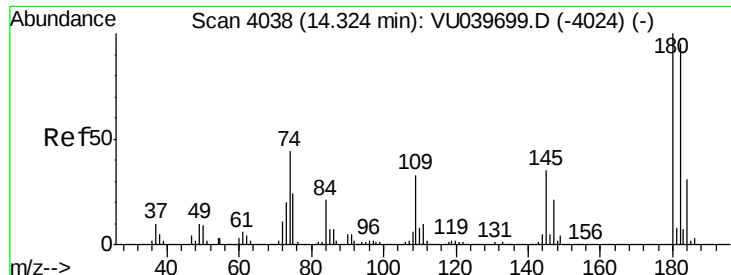
Acq: 29 Jul 2020 10:40

Tgt Ion:	128	Resp:	7199
Ion Ratio	Lower	Upper	
128	100		
127	11.9	11.0	16.4
129	10.3	8.4	12.6



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#90
 1,2,3-Trichlorobenzene
 Concen: 0.388 ug/l
 RT: 14.32 min Scan# 4037
 Delta R.T. -0.00 min
 Lab File: VU039695.D
 Acq: 29 Jul 2020 10:40

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.1	76.0	114.0
145	37.3	27.8	41.6

Manual Integrations
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