

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U072920\
 Data File : VU039702.D
 Acq On : 29 Jul 2020 14:02
 Operator : SY/MD
 Sample : VSTDIC0.5
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Manual Integrations
 APPROVED

MMDadoda
 7/31/2020 3:42:29 PM

Quant Time: Jul 30 01:39:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U072920DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Jul 30 01:17:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	6.13	96	20764	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.63	95	7353	0.91	ug/l	0.00
Spiked Amount 1.000			Recovery	=	91.00%	
68) 1,2-Dichlorobenzene-d4	12.19	152	7410	0.94	ug/l	0.00
Spiked Amount 1.000			Recovery	=	94.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.39	85	3483	0.491	ug/l	94
3) Chloromethane	1.53	50	4701	0.557	ug/l	97
4) Vinyl Chloride	1.61	62	4052	0.490	ug/l	100
5) Bromomethane	1.86	94	3133	0.611	ug/l	97
6) Chloroethane	1.94	64	3387	0.672	ug/l	89
7) Trichlorofluoromethane	2.15	101	5592	0.621	ug/l	97
8) 1,1,2-Trichloro-1,2,2-trif	2.60	101	3172	0.574	ug/l	98
9) 1,1-Dichloroethene	2.59	96	2914	0.531	ug/l	96
10) Iodomethane	2.74	142	2293	0.628	ug/l	98
11) Allyl Chloride	2.94	41	6562	0.631	ug/l	95
12) Acrylonitrile	3.33	53	2037	1.306	ug/l	95
13) Acetone	2.64	43	5580	4.321	ug/l	98
14) Carbon Disulfide	2.81	76	10766	0.537	ug/l	96
15) Methylene Chloride	3.06	84	5381	0.706	ug/l	94
16) trans-1,2-Dichloroethene	3.37	96	3190	0.530	ug/l #	87
17) 1,1-Dichloroethane	3.89	63	7264	0.618	ug/l	98
18) 2-Butanone	4.74	43	9301	4.668	ug/l	90
19) Cyclohexane	5.40	56	7494m	0.662	ug/l	
20) Methylcyclohexane	6.77	83	4819	0.450	ug/l	92
21) 2,2-Dichloropropane	4.68	77	6452	0.664	ug/l	92
22) cis-1,2-Dichloroethene	4.69	96	3497	0.548	ug/l	91
23) Diethyl Ether	2.39	59	3255	0.661	ug/l	93
24) tert-Butyl Alcohol	3.20	59	9629	17.161	ug/l #	87
25) Methyl tert-Butyl Ether	3.38	73	9129	0.588	ug/l	91
26) Bromochloromethane	5.00	128	1545	0.600	ug/l	92
27) Chloroform	5.11	83	7157	0.651	ug/l	99
28) 1,1,1-Trichloroethane	5.33	97	5522	0.613	ug/l	96
29) 1,1-Dichloropropene	5.54	75	5360	0.596	ug/l	93
30) Carbon Tetrachloride	5.53	117	4518	0.601	ug/l	98
31) Isopropyl Ether	4.03	45	13793	0.700	ug/l	98
32) Ethyl-t-butyl ether	4.53	59	11196	0.637	ug/l	99
33) Tert-Amyl methyl ether	5.96	73	7832	0.533	ug/l	99
34) Propionitrile	4.80	54	2037	3.680	ug/l #	97
35) Benzene	5.79	78	13216	0.536	ug/l	96
36) 1,2-Dichloroethane	5.82	62	4729	0.620	ug/l #	94
37) Trichloroethene	6.55	130	2843	0.445	ug/l	80
38) 1,2-Dichloropropane	6.81	63	3397	0.504	ug/l	98
39) Methacrylonitrile	5.01	41	2540	0.972	ug/l	89
40) Methyl acrylate	4.87	55	2657	0.700	ug/l #	94
41) Tetrahydrofuran	5.08	42	2445	1.861	ug/l #	85
42) 1-Chlorobutane	5.47	56	8622	0.654	ug/l	90

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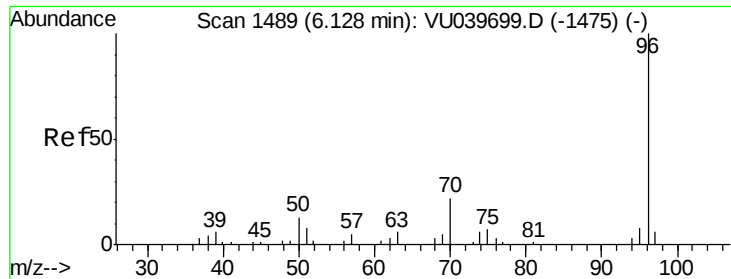
Manual Integrations
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Quant Time: Jul 30 01:39:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U072920DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Jul 30 01:17:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.93	93	1827	0.572	ug/l	97
44) Bromodichloromethane	7.12	83	4212	0.530	ug/l	95
45) 4-Methyl-2-Pentanone	7.81	43	14042	3.121	ug/l	98
46) t-1,4-Dichloro-2-butene	10.83	75	1480m	1.076	ug/l	
47) Methyl methacrylate	6.98	69	3198	0.988	ug/l	87
48) Ethyl methacrylate	8.35	69	3006	0.504	ug/l	96
49) Toluene	7.98	92	7229	0.464	ug/l	98
50) t-1,3-Dichloropropene	8.22	75	3307	0.413	ug/l	99
51) cis-1,3-Dichloropropene	7.62	75	4167	0.438	ug/l	94
52) 1,1,2-Trichloroethane	8.41	97	2454	0.549	ug/l	92
53) 1,3-Dichloropropane	8.58	76	4883	0.581	ug/l	97
54) 2-Hexanone	8.70	43	10008	3.137	ug/l	95
55) Dibromochloromethane	8.82	129	2360	0.477	ug/l	94
56) 1,2-Dibromoethane	8.93	107	2331	0.549	ug/l	98
58) Tetrachloroethene	8.56	164	2581	0.441	ug/l	93
59) Chlorobenzene	9.45	112	7814	0.474	ug/l	96
60) 1,1,1,2-Tetrachloroethane	9.54	131	2436	0.480	ug/l	95
61) Pentachloroethane	11.42	117	2183	0.556	ug/l	84
62) Hexachloroethane	12.47	117	1763	0.438	ug/l	94
63) Ethyl Benzene	9.57	91	12563	0.426	ug/l	99
64) m/p-Xylenes	9.70	106	9656	0.847	ug/l	97
65) o-Xylene	10.10	106	4385	0.397	ug/l	91
66) Styrene	10.12	104	7368	0.402	ug/l	97
67) Bromoform	10.29	173	1078	0.415	ug/l #	86
69) Isopropylbenzene	10.48	105	12842	0.444	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.78	83	3260	0.555	ug/l #	96
71) 1,2,3-Trichloropropane	10.83	75	2640m	0.596	ug/l	
72) Bromobenzene	10.79	156	2950	0.459	ug/l	95
73) n-propylbenzene	10.91	120	3450	0.434	ug/l	96
74) 2-Chlorotoluene	10.98	126	3140	0.470	ug/l	98
75) 1,3,5-Trimethylbenzene	11.09	105	9726	0.401	ug/l	96
76) 4-Chlorotoluene	11.10	126	2959	0.426	ug/l	85
77) tert-Butylbenzene	11.42	119	10428	0.453	ug/l	98
78) 1,2,4-Trimethylbenzene	11.47	105	10283	0.412	ug/l	100
79) sec-Butylbenzene	11.64	105	14032	0.426	ug/l	97
80) Nitrobenzene	13.21	77	313	1.962	ug/l #	44
81) p-Isopropyltoluene	11.79	119	10904	0.410	ug/l	98
82) 1,3-Dichlorobenzene	11.74	146	6913	0.515	ug/l	96
83) 1,4-Dichlorobenzene	11.83	146	6818	0.502	ug/l	98
84) n-Butylbenzene	12.20	91	12432	0.465	ug/l	97
85) 1,2-Dichlorobenzene	12.21	146	6494	0.516	ug/l	98
86) 1,2-Dibromo-3-Chloropropan	12.99	75	466	0.488	ug/l	93
87) 1,2,4-Trichlorobenzene	13.83	180	4048	0.449	ug/l	94
88) Hexachlorobutadiene	14.01	225	1883	0.471	ug/l	95
89) Naphthalene	14.08	128	8734	0.492	ug/l	97
90) 1,2,3-Trichlorobenzene	14.32	180	3788	0.469	ug/l	97

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.13 min Scan# 1489

Delta R.T. -0.00 min

Lab File: VU039702.D

Acq: 29 Jul 2020 14:02

Instrument :

MSVOA_U

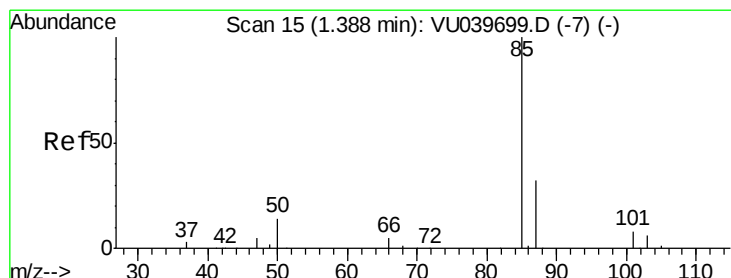
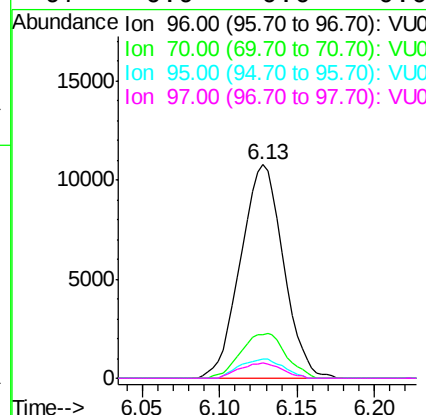
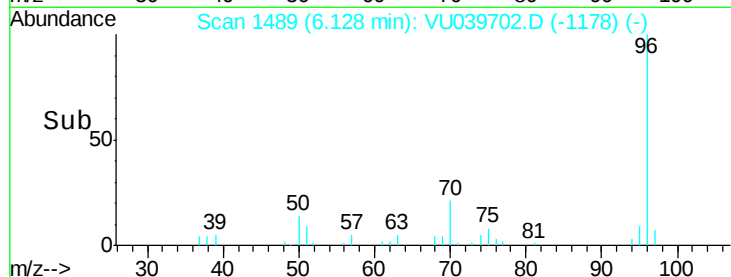
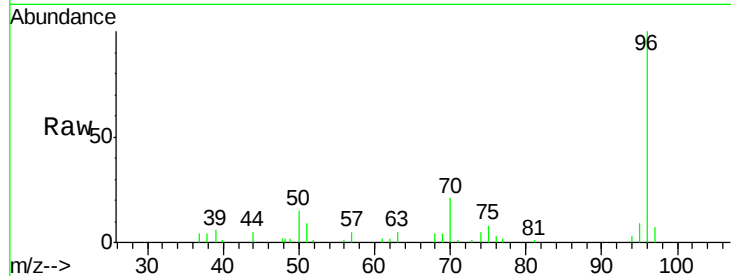
ClientSampleId :

VSTDIC0.5

Tot Ion:	96	Resp:	20764
Ion Ratio	Lower	Upper	
96	100		
70	22.0	16.3	24.5
95	9.1	6.8	10.2
97	6.9	0.0	0.0#

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 0.491 ug/l

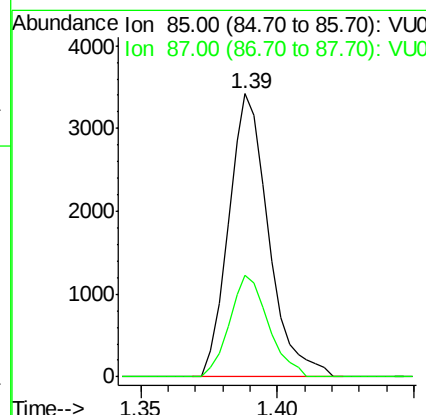
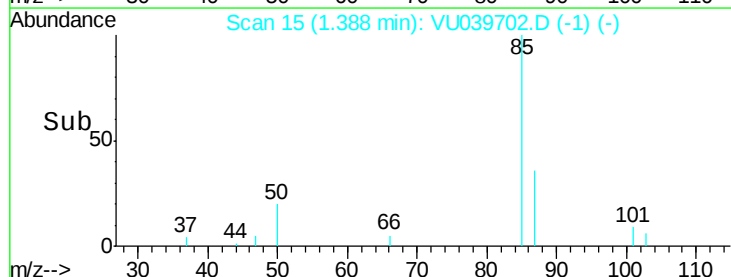
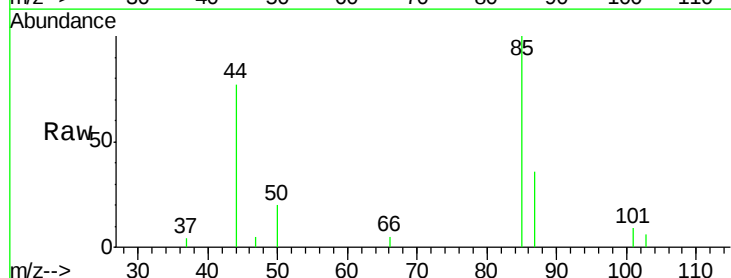
RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU039702.D

Acq: 29 Jul 2020 14:02

Tgt Ion:	85	Resp:	3483
Ion Ratio	Lower	Upper	
85	100		
87	36.0	16.2	48.6





#3

Chloromethane

Concen: 0.557 ug/l

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU039702.D

Acq: 29 Jul 2020 14:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 50 Resp: 4701

Ion Ratio Lower Upper

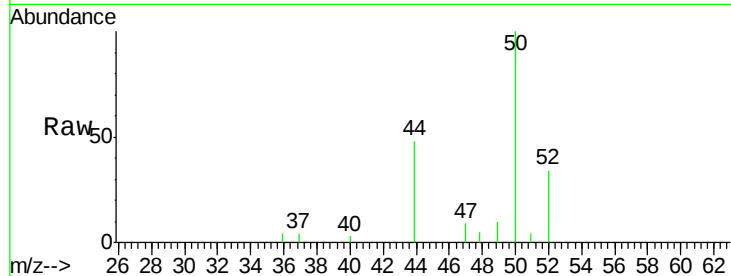
50 100

52 34.2 26.0 39.0

Manual Integrations
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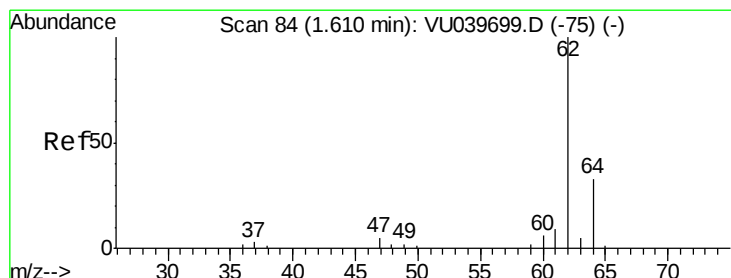
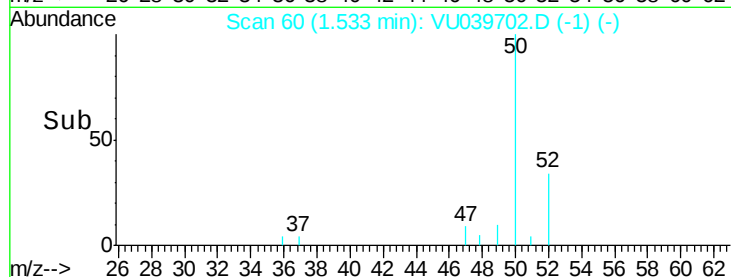
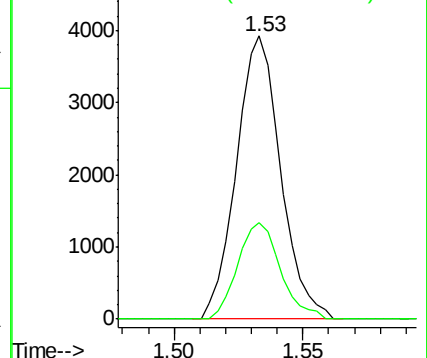
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Abundance Ion 50.00 (49.70 to 50.70): VU039702.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU039702.D (-1) (-)



#4

Vinyl Chloride

Concen: 0.490 ug/l

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU039702.D

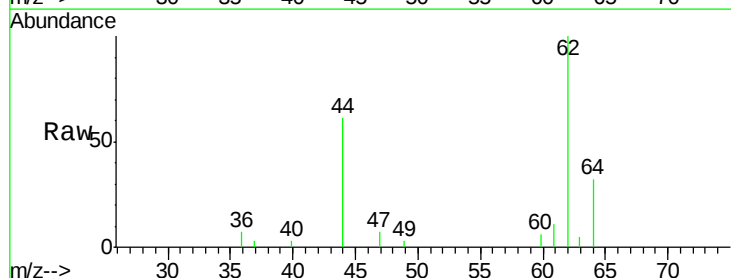
Acq: 29 Jul 2020 14:02

Tgt Ion: 62 Resp: 4052

Ion Ratio Lower Upper

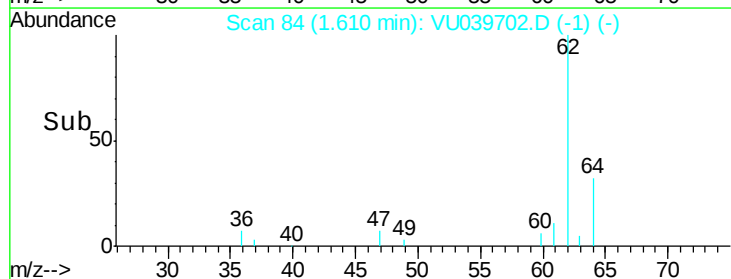
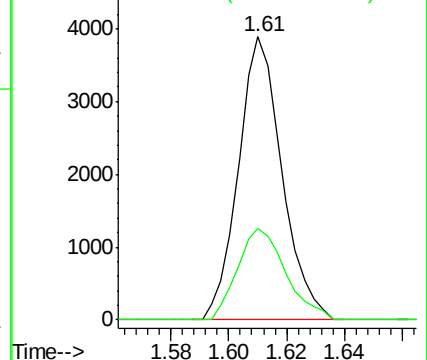
62 100

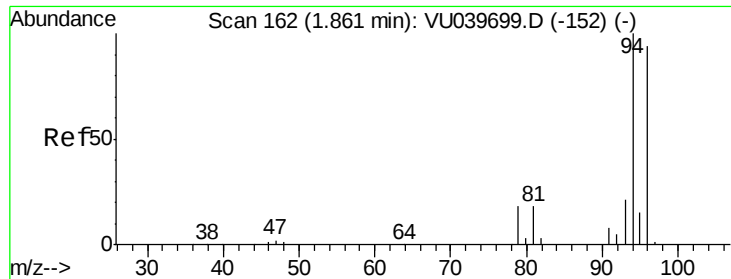
64 32.3 26.0 39.0



Abundance Ion 62.00 (61.70 to 62.70): VU039702.D (-1) (-)

Ion 64.00 (63.70 to 64.70): VU039702.D (-1) (-)





#5

Bromomethane

Concen: 0.611 ug/l

RT: 1.86 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU039702.D

Acq: 29 Jul 2020 14:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 94 Resp: 3133

Ion Ratio Lower Upper

94 100

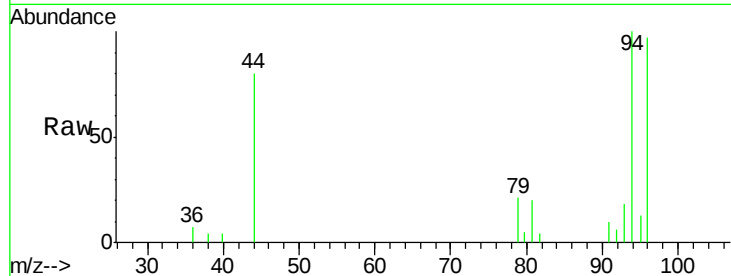
96 97.2 75.0 112.6

Manual Integrations

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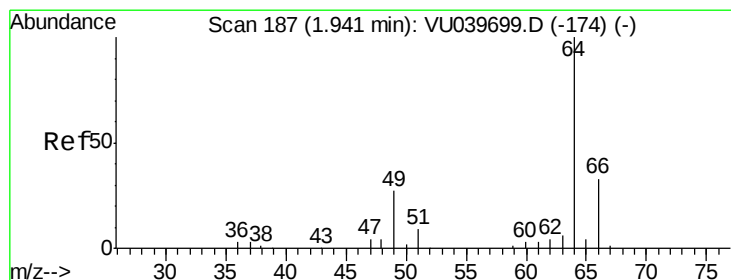
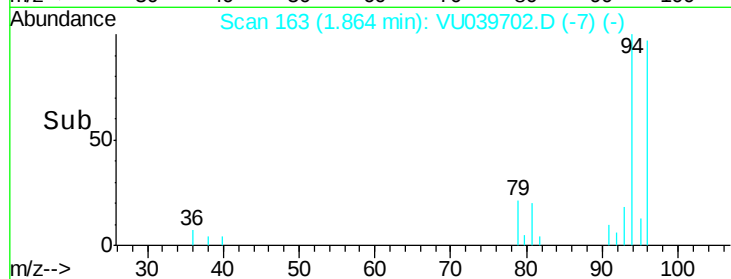
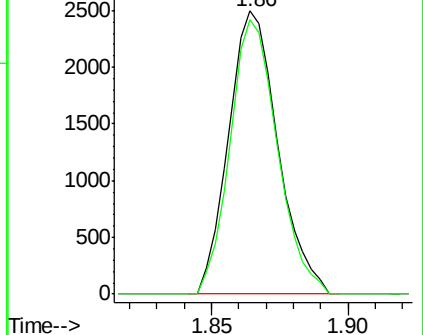
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Abundance Ion 94.00 (93.70 to 94.70): VU039699.D (-152) (-)

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



#6

Chloroethane

Concen: 0.672 ug/l

RT: 1.94 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU039702.D

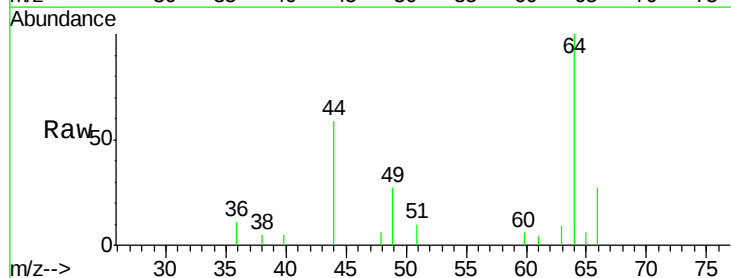
Acq: 29 Jul 2020 14:02

Tgt Ion: 64 Resp: 3387

Ion Ratio Lower Upper

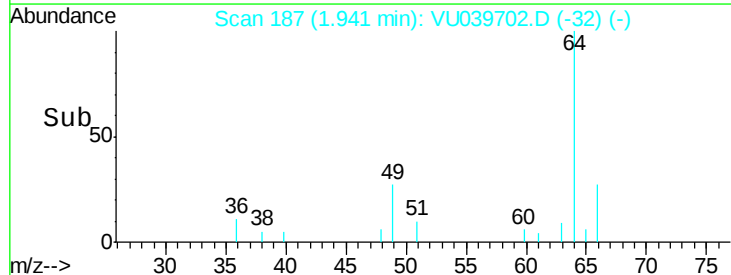
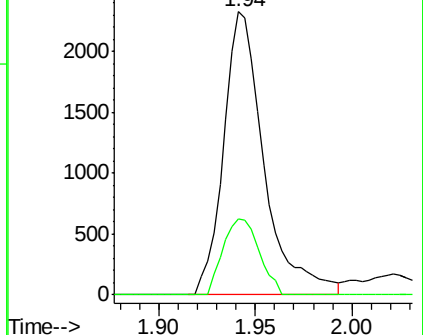
64 100

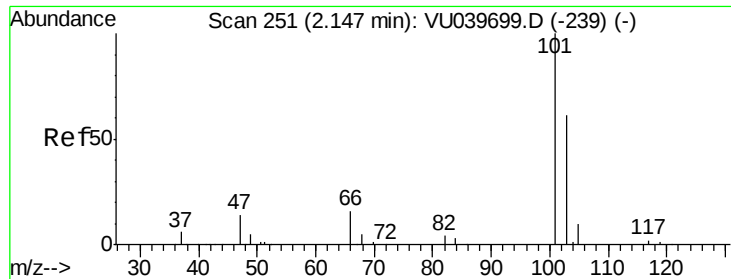
66 26.8 26.2 39.2



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

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





#7

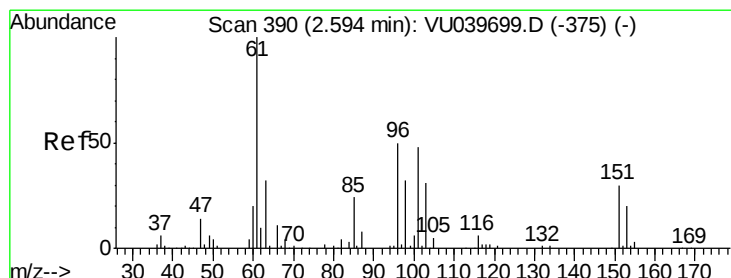
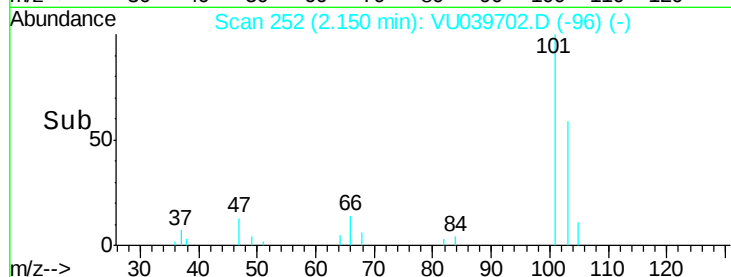
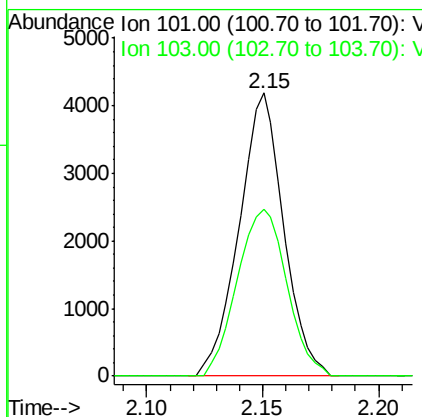
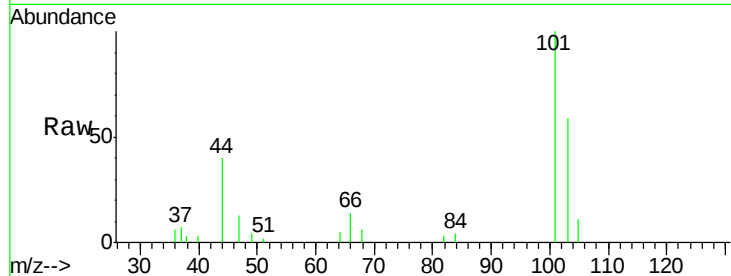
Trichlorofluoromethane
 Concen: 0.621 ug/l
 RT: 2.15 min Scan# 252
 Delta R.T. 0.00 min
 Lab File: VU039702.D
 Acq: 29 Jul 2020 14:02

Instrument :
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 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
101	100		
103	59.0	48.8	73.2

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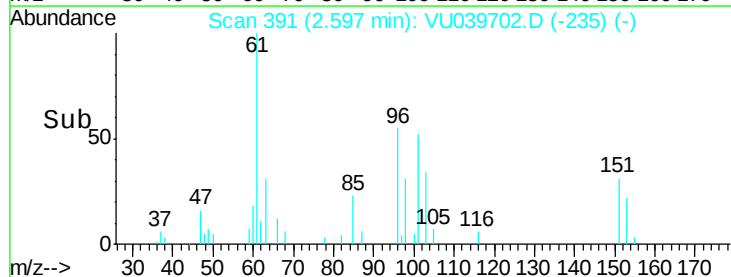
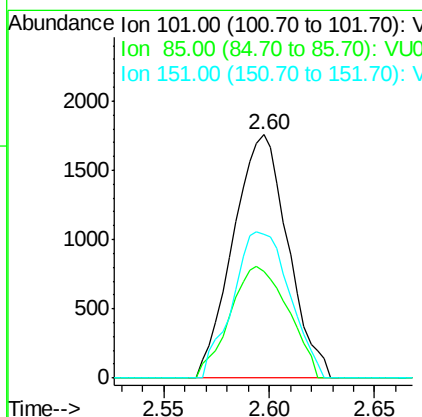
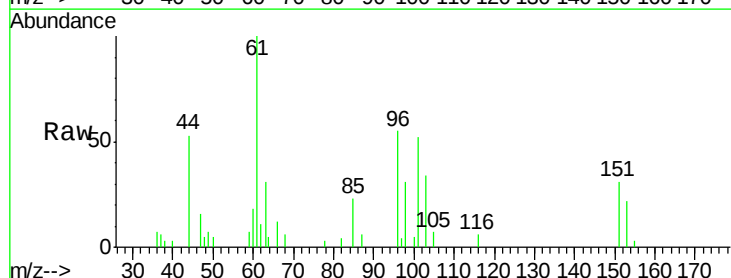
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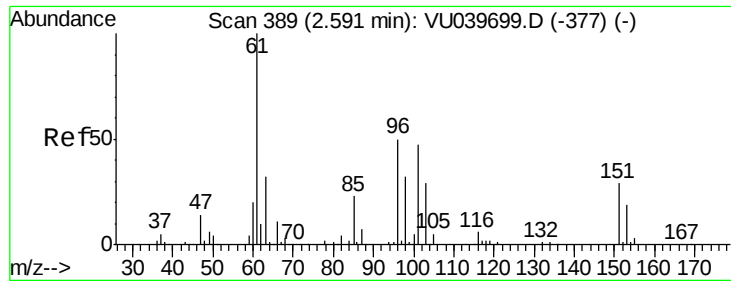


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.574 ug/l
 RT: 2.60 min Scan# 391
 Delta R.T. 0.00 min
 Lab File: VU039702.D
 Acq: 29 Jul 2020 14:02

Tgt Ion	Ratio	Lower	Upper
101	100		
85	48.6	39.9	59.9
151	62.3	51.0	76.4





#9

1,1-Dichloroethene

Concen: 0.531 ug/l

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU039702.D

Acq: 29 Jul 2020 14:02

Instrument :

MSVOA_U

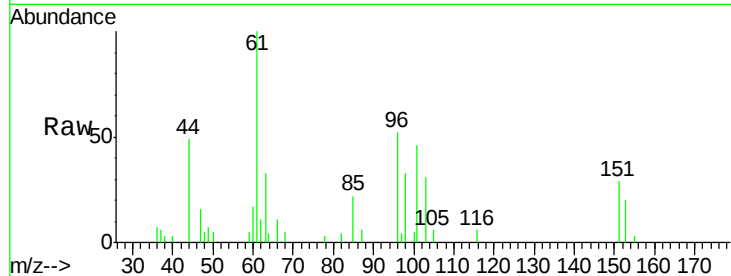
ClientSampleId :

VSTDIC0.5

Tot Ion:	96	Resp:	2914
Ion	Ratio	Lower	Upper
96	100		
61	193.7	0.0	604.5
98	63.0	0.0	127.2

Manual Integrations
APPROVED

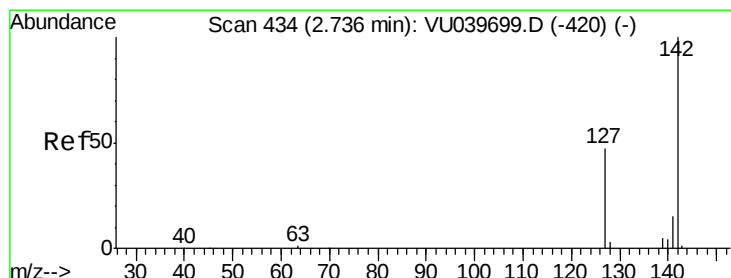
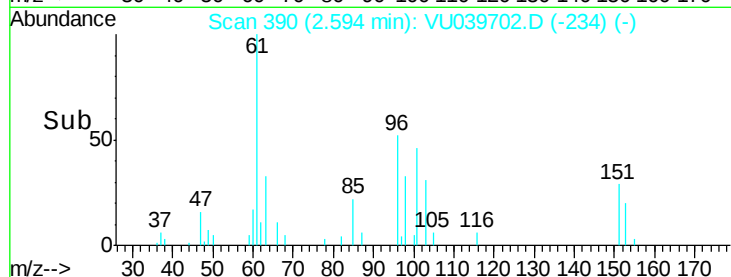
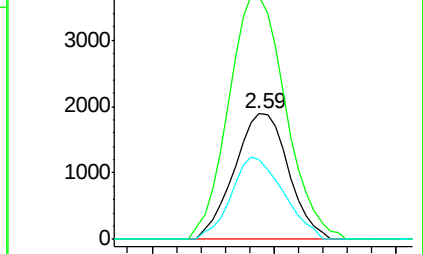
MMDadoda
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Abundance Ion 96.00 (95.70 to 96.70): VU039699.D (-377) (-)

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: 0.628 ug/l

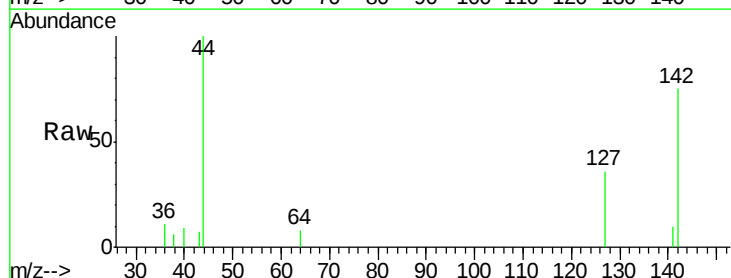
RT: 2.74 min Scan# 435

Delta R.T. 0.00 min

Lab File: VU039702.D

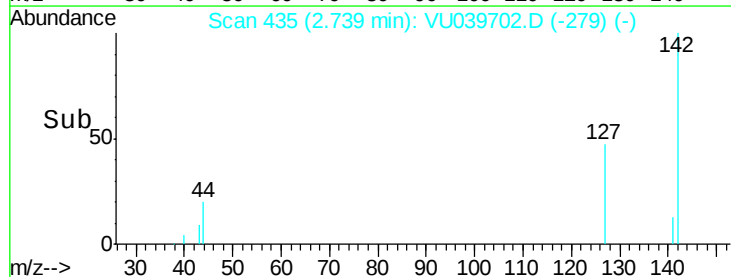
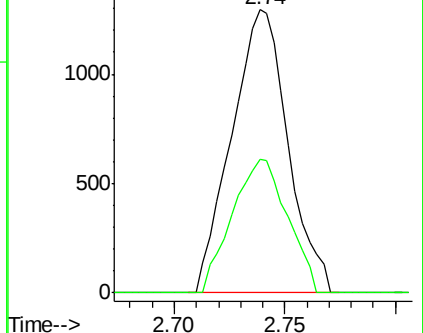
Acq: 29 Jul 2020 14:02

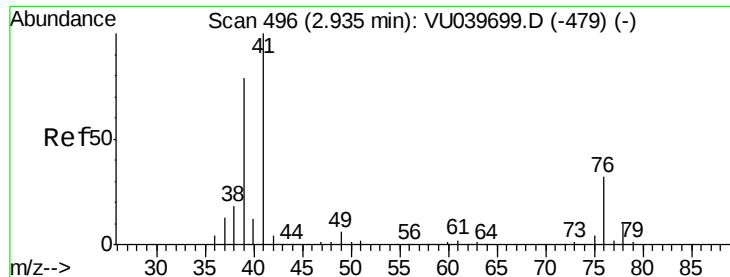
Tgt Ion:	142	Resp:	2293
Ion	Ratio	Lower	Upper
142	100		
127	46.3	38.4	57.6



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

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





#11

Allvl Chloride

Concen: 0.631 ug/l

RT: 2.94 min Scan# 497

Delta R.T. 0.00 min

Lab File: VU039702.D

Acq: 29 Jul 2020 14:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 41 Resp: 6562

Ion Ratio Lower Upper

41 100

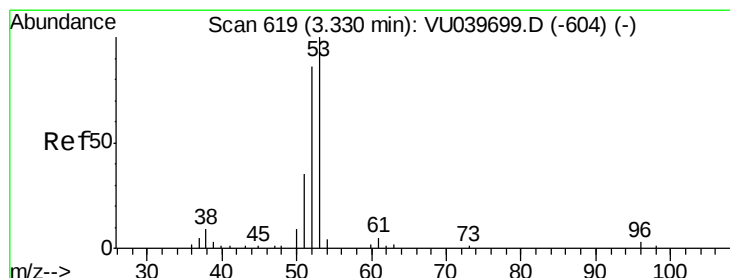
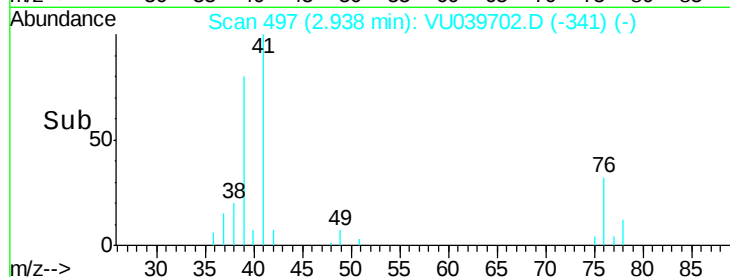
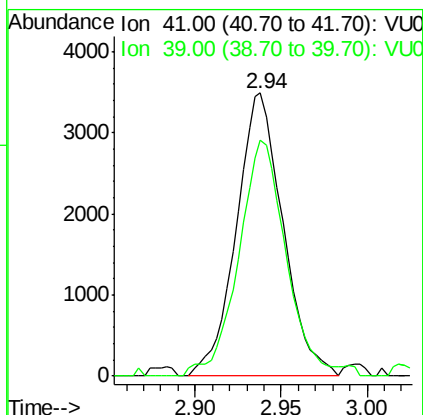
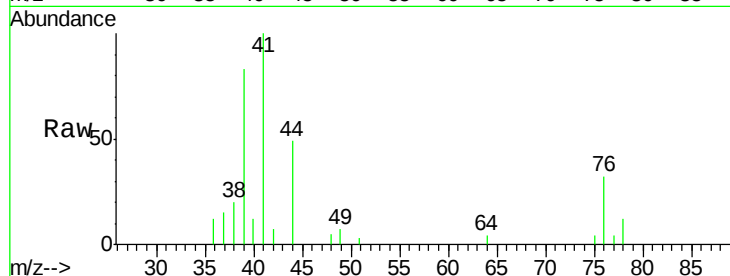
39 84.7 64.2 96.2

Manual Integrations

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#12

Acrylonitrile

Concen: 1.306 ug/l

RT: 3.33 min Scan# 619

Delta R.T. -0.00 min

Lab File: VU039702.D

Acq: 29 Jul 2020 14:02

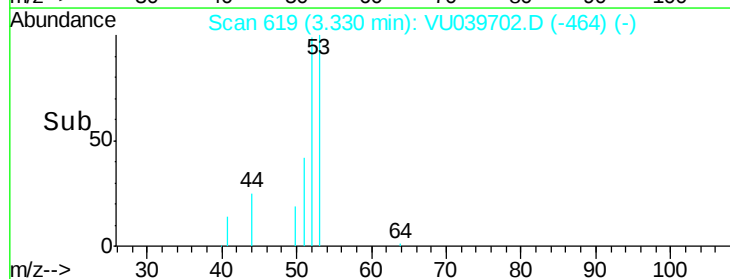
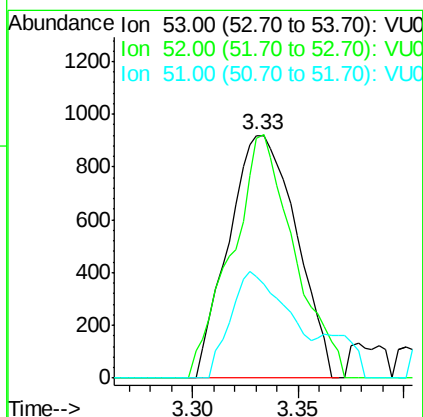
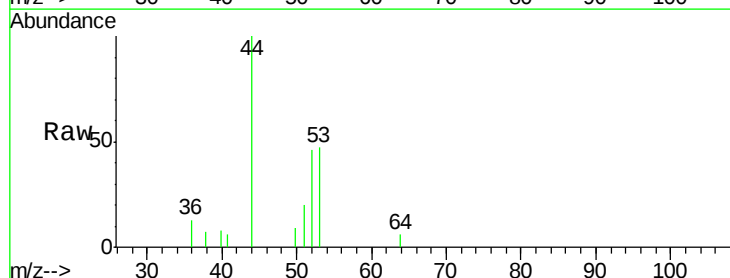
Tgt Ion: 53 Resp: 2037

Ion Ratio Lower Upper

53 100

52 92.9 69.1 103.7

51 37.4 29.4 44.2





#13

Acetone

Concen: 4.321 ug/l

RT: 2.64 min Scan# 404

Delta R.T. 0.00 min

Lab File: VU039702.D

Acq: 29 Jul 2020 14:02

Tot Ion: 43 Resp: 5580

Ion Ratio Lower Upper

43 100

58 28.4 21.8 32.6

Instrument :

MSVOA_U

ClientSampleId :

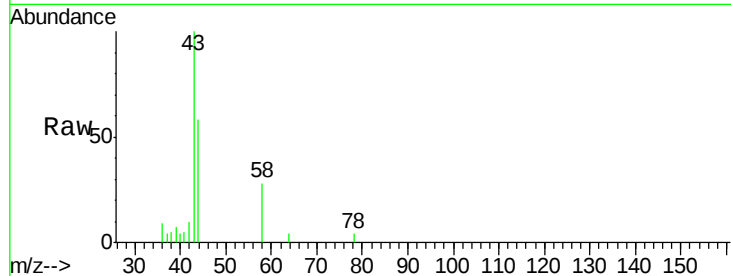
VSTDIC0.5

Manual Integrations

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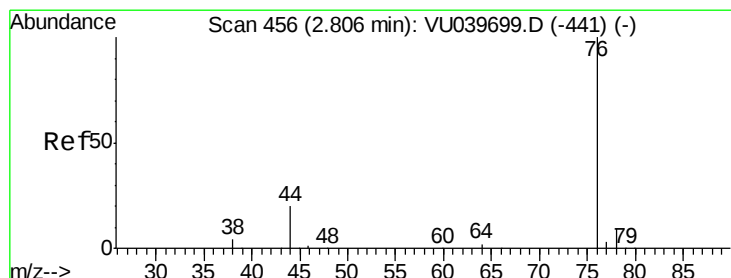
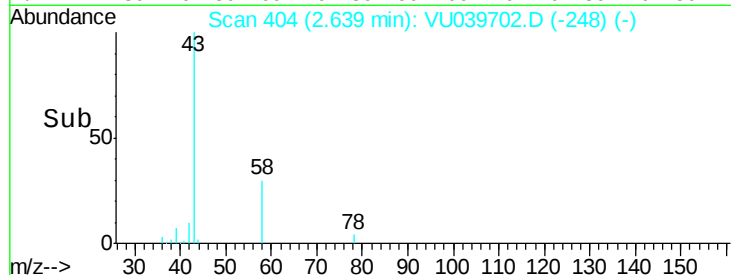
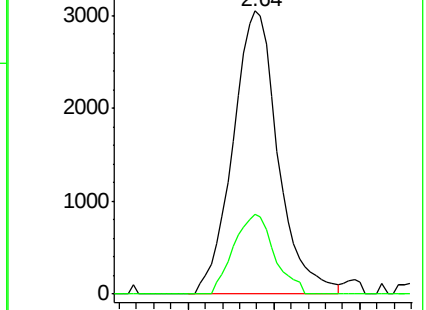
MMDadoda

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

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



#14

Carbon Disulfide

Concen: 0.537 ug/l

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU039702.D

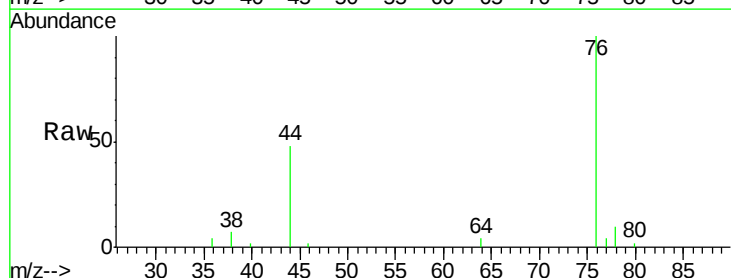
Acq: 29 Jul 2020 14:02

Tgt Ion: 76 Resp: 10766

Ion Ratio Lower Upper

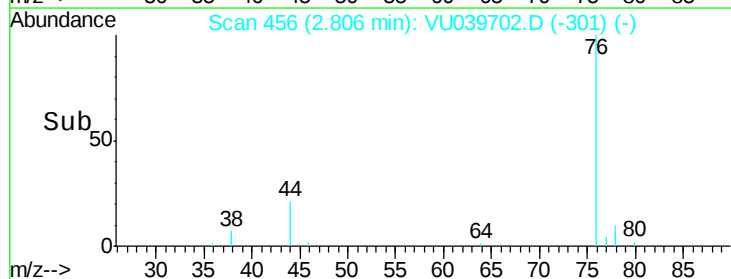
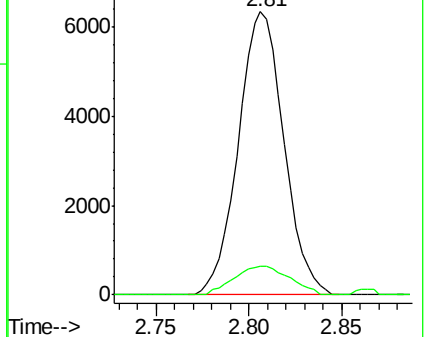
76 100

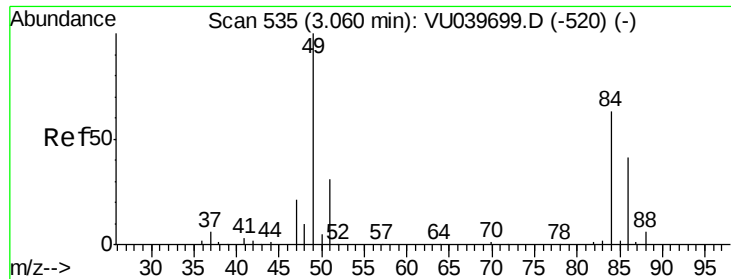
78 10.1 7.0 10.6



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

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





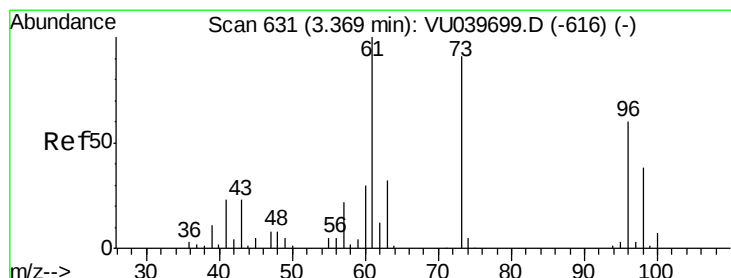
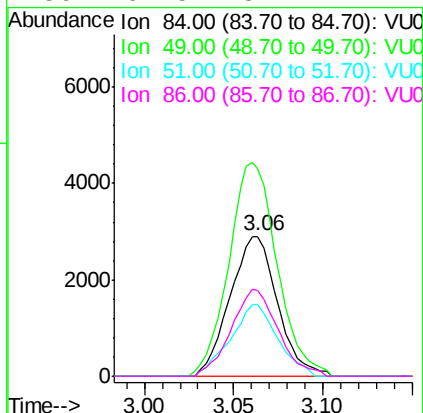
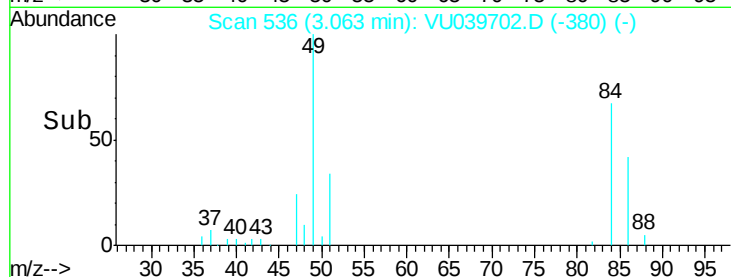
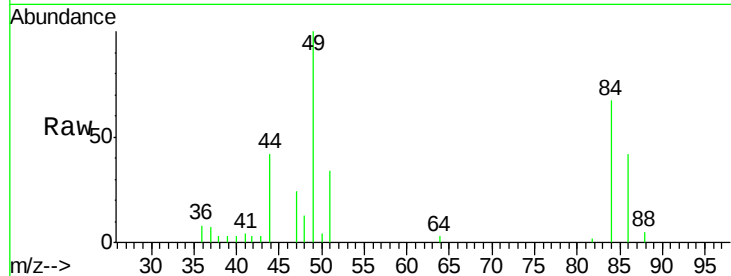
#15
Methvlene Chloride
Concen: 0.706 ug/l
RT: 3.06 min Scan# 536
Delta R.T. 0.00 min
Lab File: VU039702.D
Acq: 29 Jul 2020 14:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion:	84	Resp:	5381
Ion	Ratio	Lower	Upper
84	100		
49	148.2	126.8	190.2
51	50.9	0.0	97.2
86	61.5	51.4	77.2

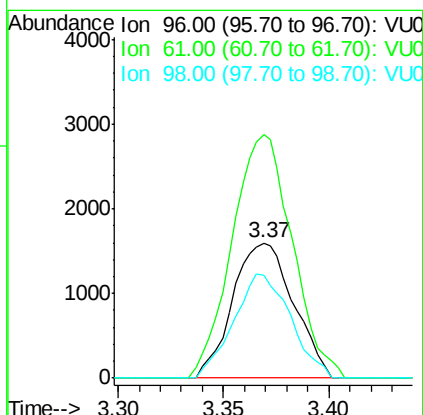
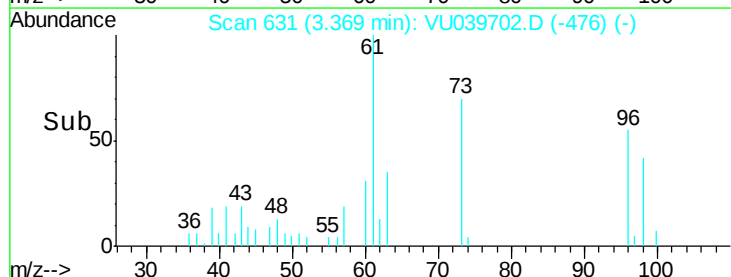
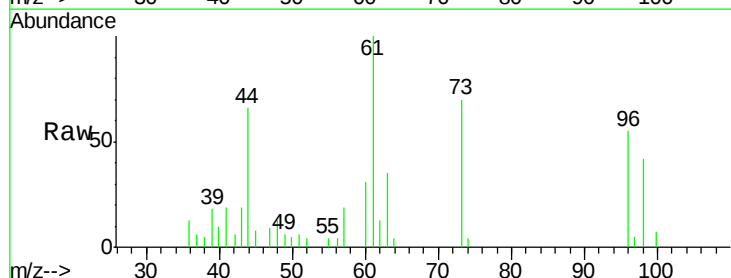
Manual Integrations
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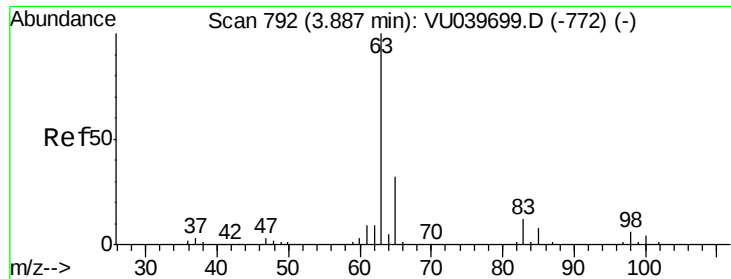
MMDadoda
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#16
trans-1,2-Dichloroethene
Concen: 0.530 ug/l
RT: 3.37 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU039702.D
Acq: 29 Jul 2020 14:02

Tgt Ion:	96	Resp:	3190
Ion	Ratio	Lower	Upper
96	100		
61	180.4	132.6	199.0
98	76.1	50.2	75.2#





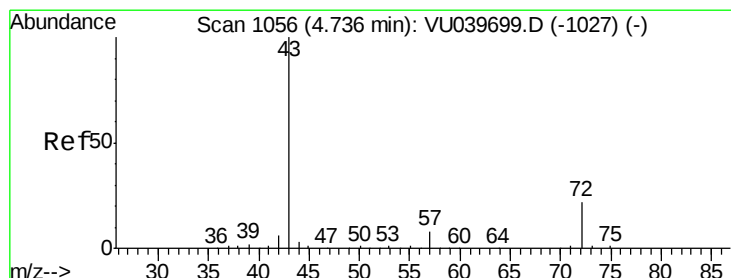
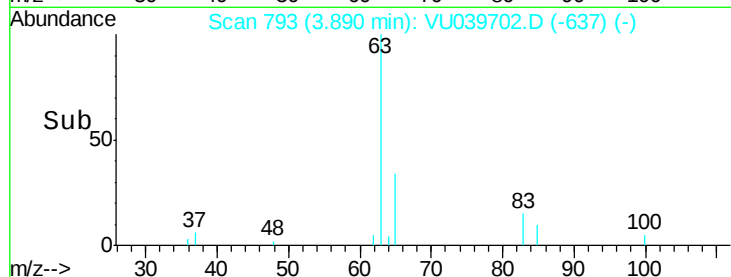
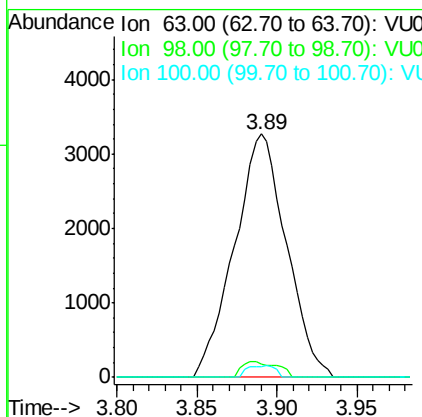
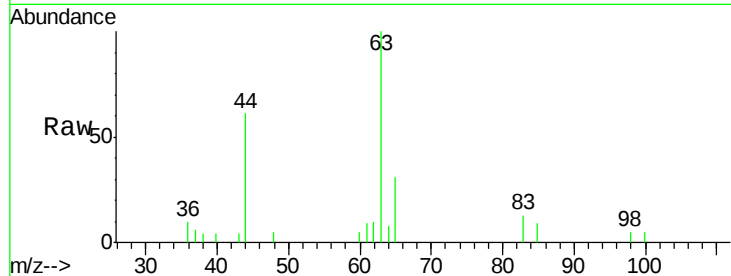
#17
 1,1-Dichloroethane
 Concen: 0.618 ug/l
 RT: 3.89 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VU039702.D
 Acq: 29 Jul 2020 14:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion:	63	Resp:	7264
Ion	Ratio	Lower	Upper
63	100		
98	5.3	2.9	8.7
100	4.6	2.0	6.0

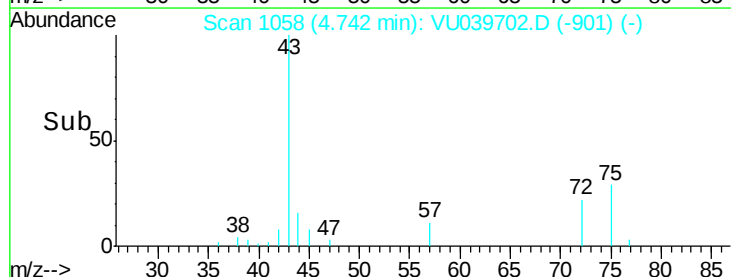
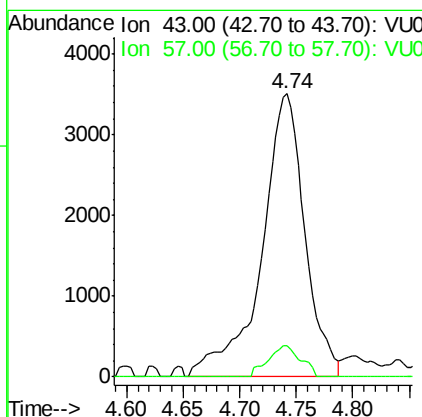
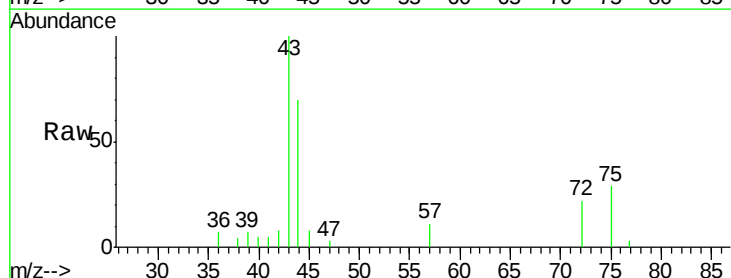
Manual Integrations
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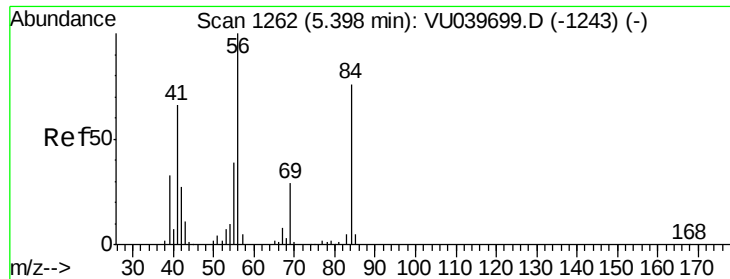
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#18
 2-Butanone
 Concen: 4.668 ug/l
 RT: 4.74 min Scan# 1058
 Delta R.T. 0.01 min
 Lab File: VU039702.D
 Acq: 29 Jul 2020 14:02

Tgt Ion:	43	Resp:	9301
Ion	Ratio	Lower	Upper
43	100		
57	11.0	0.0	15.2





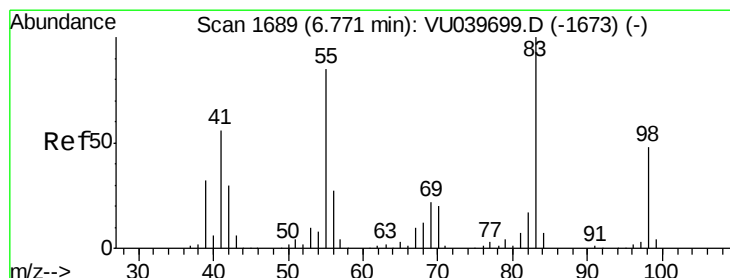
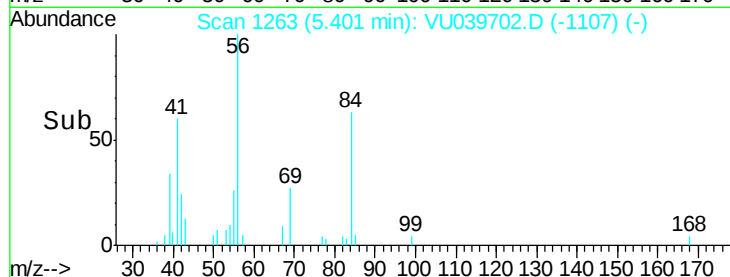
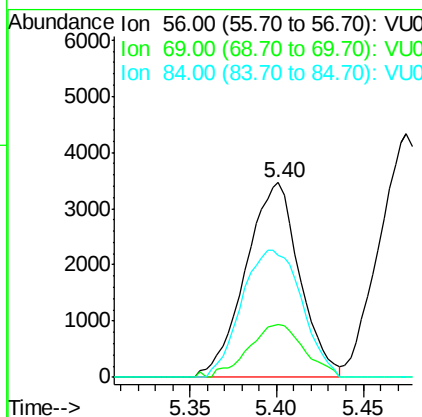
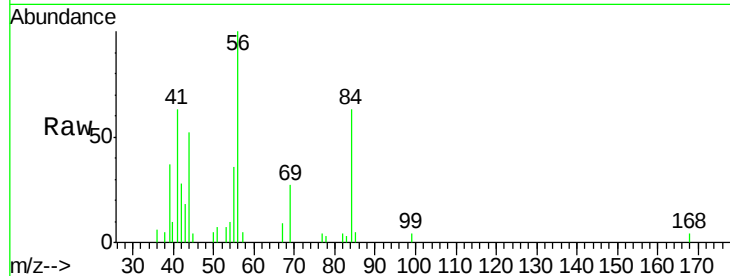
#19
Cyclohexane
Concen: 0.662 ug/l m
RT: 5.40 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VU039702.D
Acq: 29 Jul 2020 14:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
56	100		
69	27.9	22.8	34.2
84	72.7	59.9	89.9

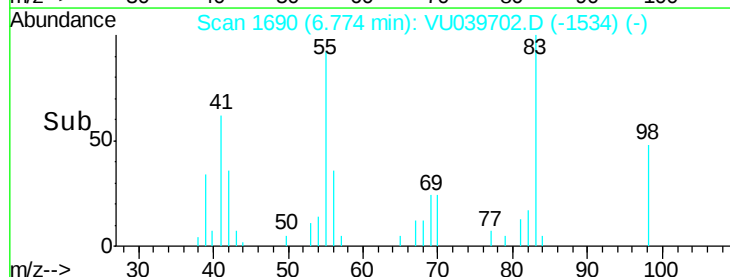
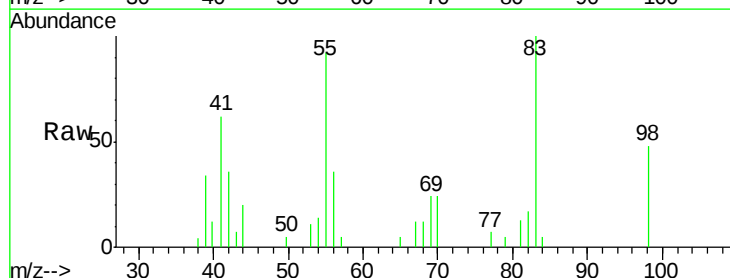
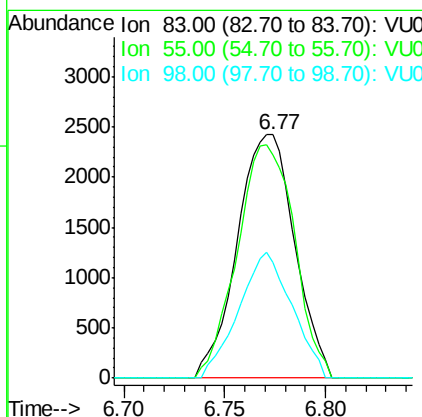
Manual Integrations
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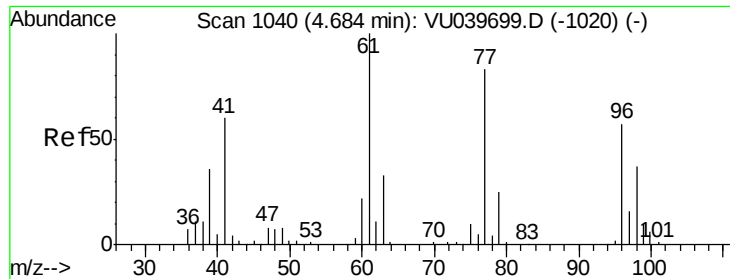
MMDadoda
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#20
Methylcyclohexane
Concen: 0.450 ug/l
RT: 6.77 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VU039702.D
Acq: 29 Jul 2020 14:02

Tgt Ion	Ratio	Lower	Upper
83	100		
55	95.5	67.6	101.4
98	47.8	37.3	55.9





#21

2,2-Dichloropropane

Concen: 0.664 ug/l

RT: 4.68 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VU039702.D

Acq: 29 Jul 2020 14:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 77 Resp: 6452

Ion Ratio Lower Upper

77 100

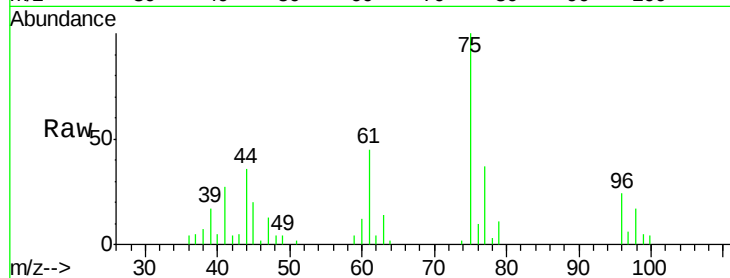
97 15.6 15.2 22.8

Manual Integrations

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Abundance Ion 77.00 (76.70 to 77.70): VU039699.D (-1020) (-)

Ion 97.00 (96.70 to 97.70): VU039699.D (-1020) (-)

2500

2000

1500

1000

500

0

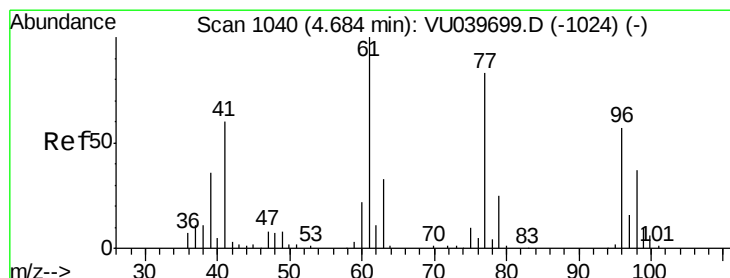
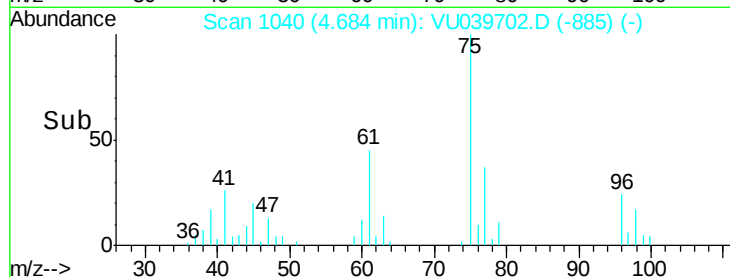
Time-->

4.60

4.65

4.70

4.75



#22

cis-1,2-Dichloroethene

Concen: 0.548 ug/l

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU039702.D

Acq: 29 Jul 2020 14:02

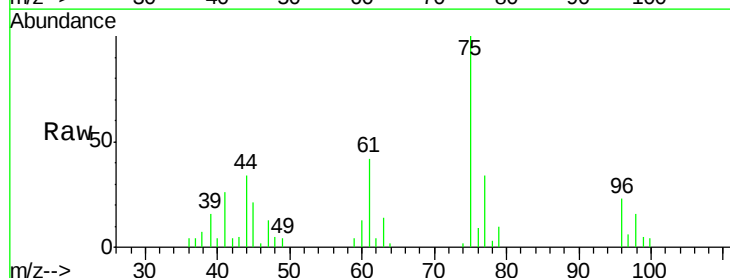
Tgt Ion: 96 Resp: 3497

Ion Ratio Lower Upper

96 100

61 197.5 0.0 451.3

98 63.8 32.6 98.0



Abundance Ion 96.00 (95.70 to 96.70): VU039702.D (-885) (-)

Ion 61.00 (60.70 to 61.70): VU039702.D (-885) (-)

Ion 98.00 (97.70 to 98.70): VU039702.D (-885) (-)

4000

3000

2000

1000

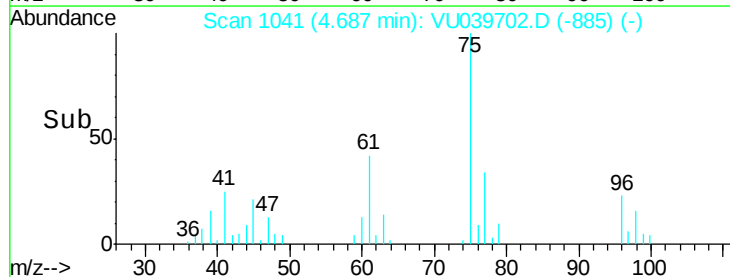
0

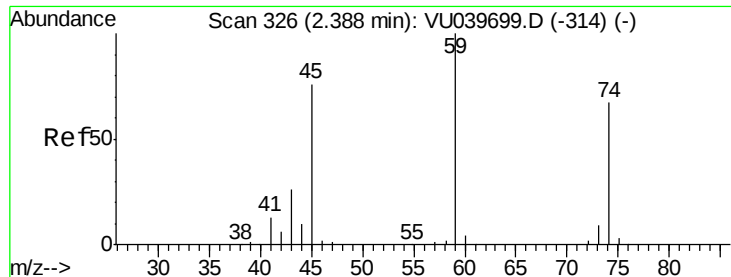
Time-->

4.65

4.70

4.75





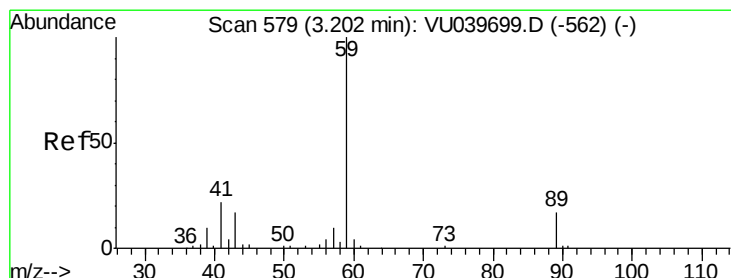
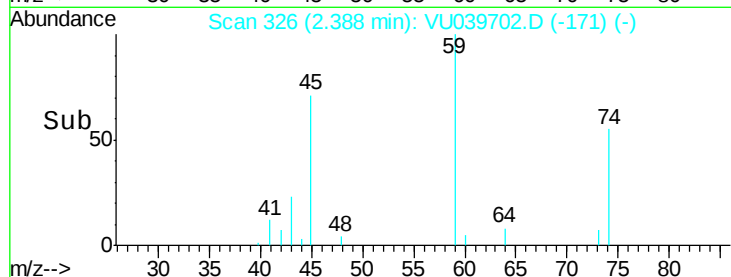
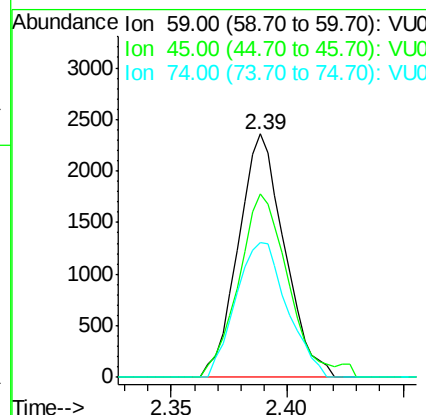
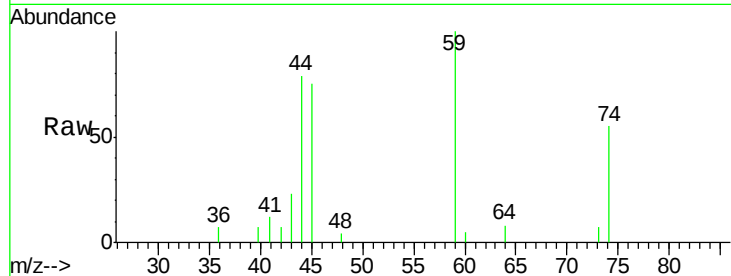
#23
Diethyl Ether
Concen: 0.661 ug/l
RT: 2.39 min Scan# 326
Delta R.T. -0.00 min
Lab File: VU039702.D
Acq: 29 Jul 2020 14:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
59	100		
45	81.8	61.5	92.3
74	61.3	54.3	81.5

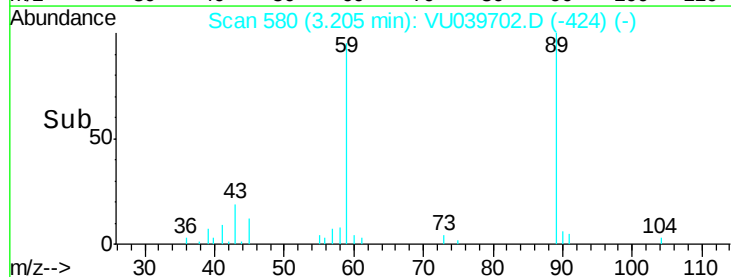
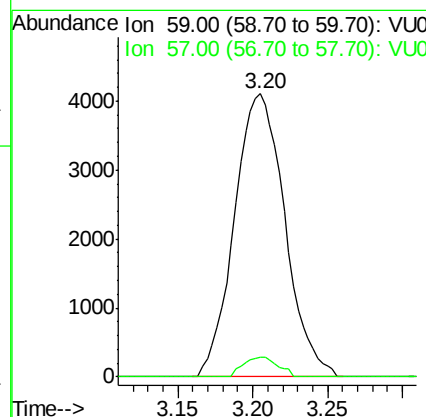
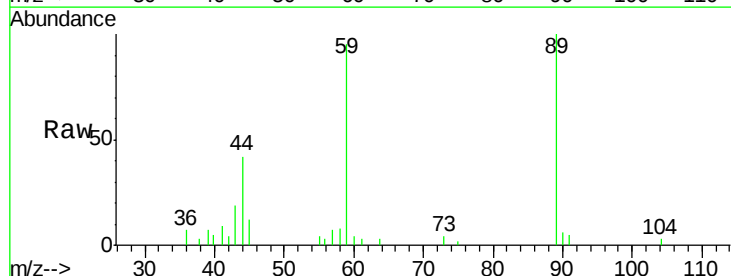
Manual Integrations
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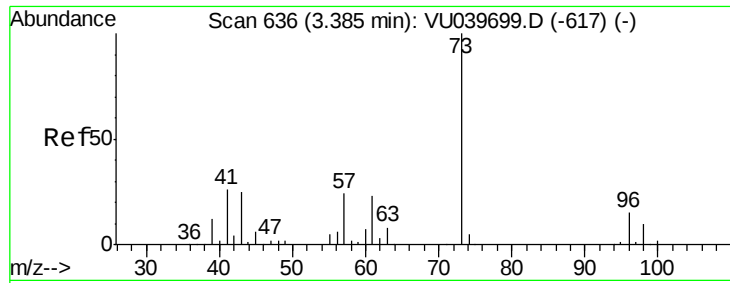
MMDadoda
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#24
tert-Butyl Alcohol
Concen: 17.161 ug/l
RT: 3.20 min Scan# 580
Delta R.T. 0.00 min
Lab File: VU039702.D
Acq: 29 Jul 2020 14:02

Tgt Ion	Ratio	Lower	Upper
59	100		
57	4.8	7.8	11.6





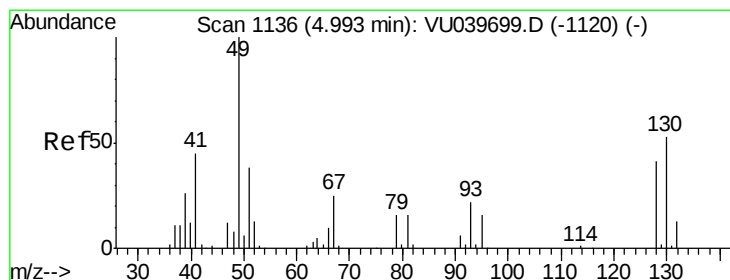
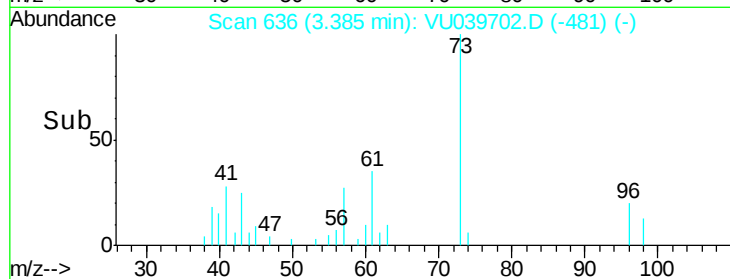
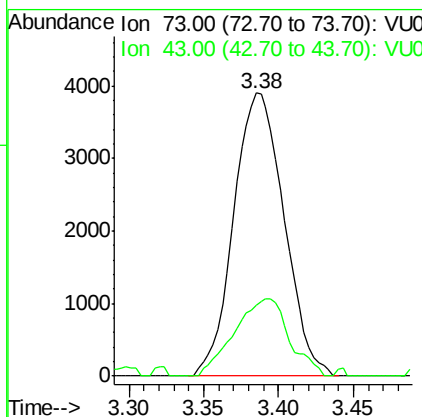
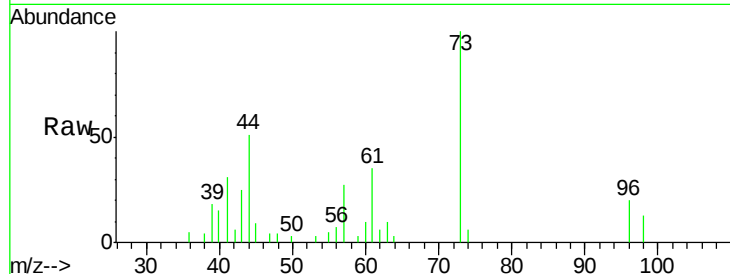
#25
Methvl tert-Butvl Ether
Concen: 0.588 ug/l
RT: 3.38 min Scan# 636
Delta R.T. -0.00 min
Lab File: VU039702.D
Acq: 29 Jul 2020 14:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion: 73 Resp: 9129
Ion Ratio Lower Upper
73 100
43 29.8 20.1 30.1

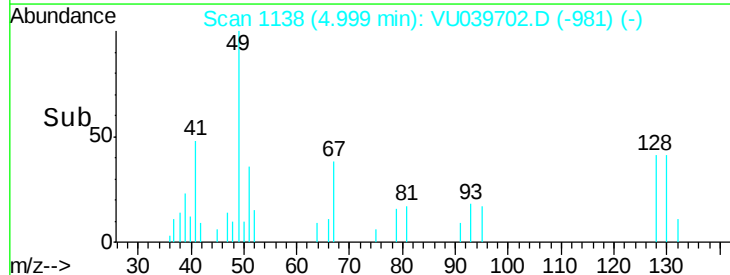
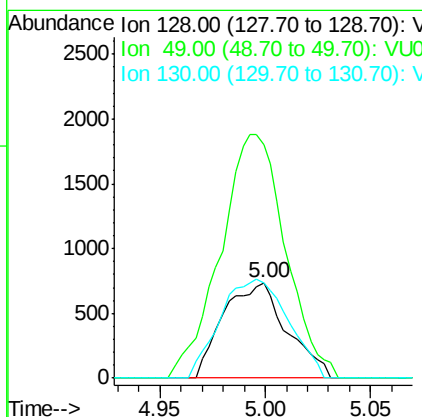
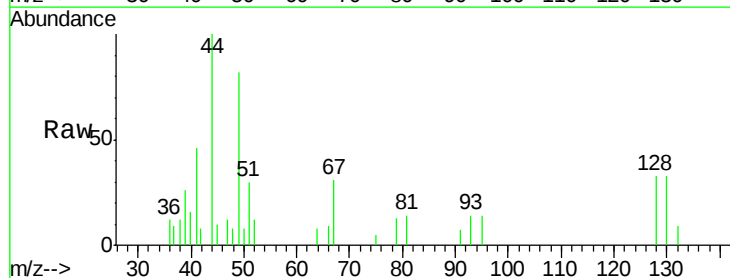
Manual Integrations
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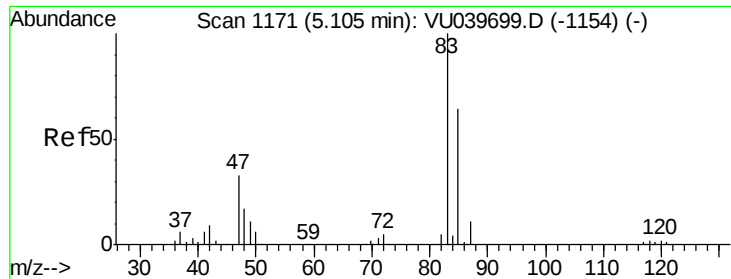
MMDadoda
7/31/2020 3:42:29 PM



#26
Bromochloromethane
Concen: 0.600 ug/l
RT: 5.00 min Scan# 1138
Delta R.T. 0.01 min
Lab File: VU039702.D
Acq: 29 Jul 2020 14:02

Tgt Ion:128 Resp: 1545
Ion Ratio Lower Upper
128 100
49 260.1 0.0 503.8
130 110.7 102.7 154.1





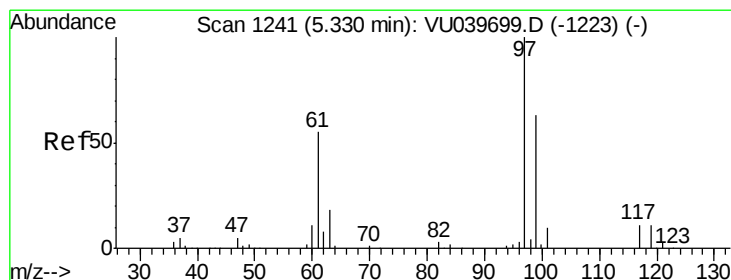
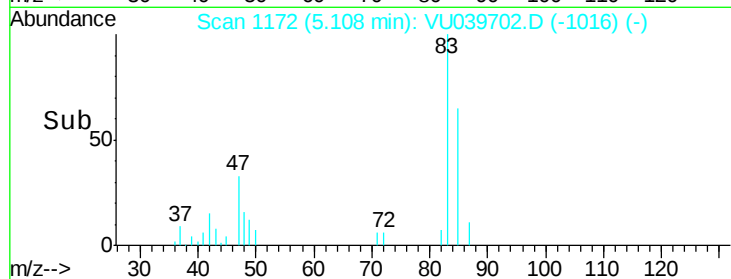
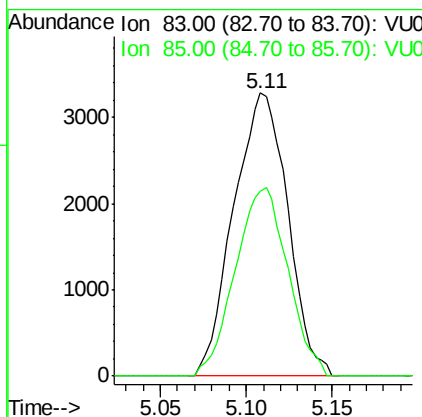
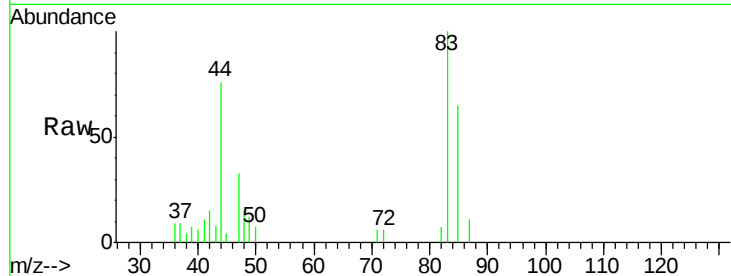
#27
Chloroform
Concen: 0.651 ug/l
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU039702.D
Acq: 29 Jul 2020 14:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	83	Resp	7157
Ion Ratio	100	Lower	Upper
85	65.2	0.0	128.8

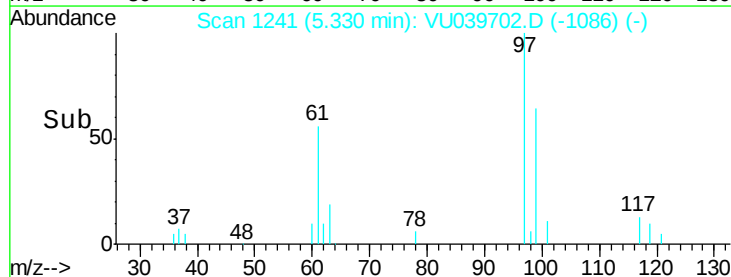
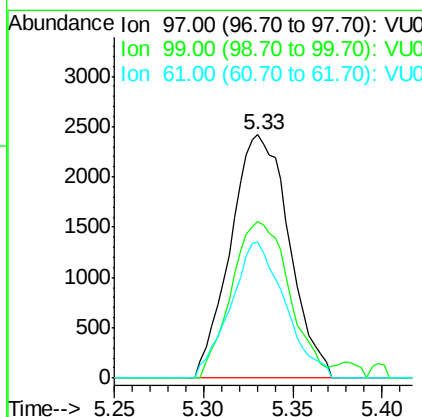
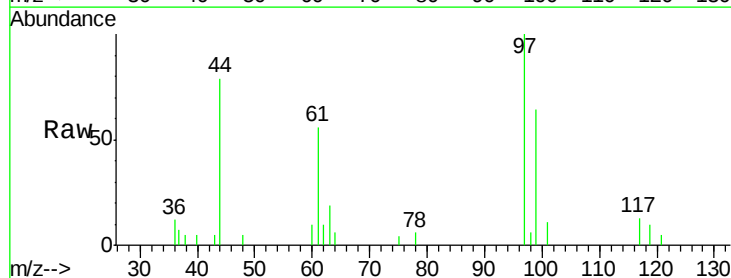
Manual Integrations
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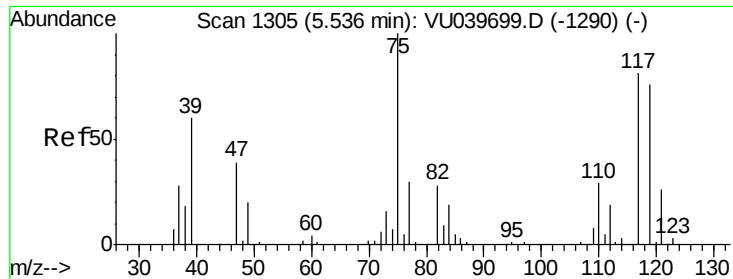
MMDadoda
7/31/2020 3:42:29 PM



#28
1,1,1-Trichloroethane
Concen: 0.613 ug/l
RT: 5.33 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VU039702.D
Acq: 29 Jul 2020 14:02

Tgt Ion	97	Resp	5522
Ion Ratio	100	Lower	Upper
99	63.7	32.2	96.6
61	51.9	28.3	85.0





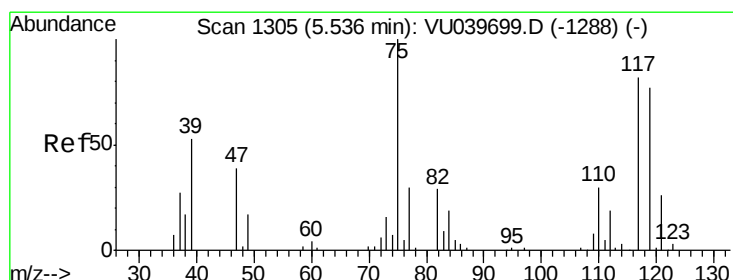
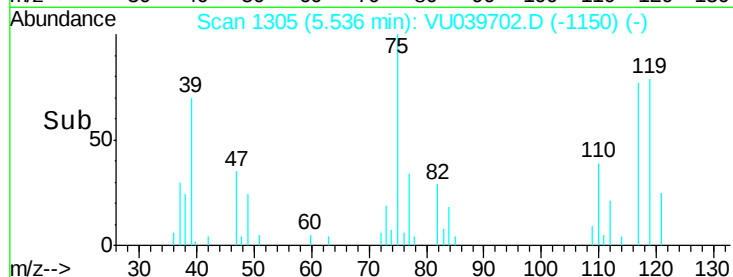
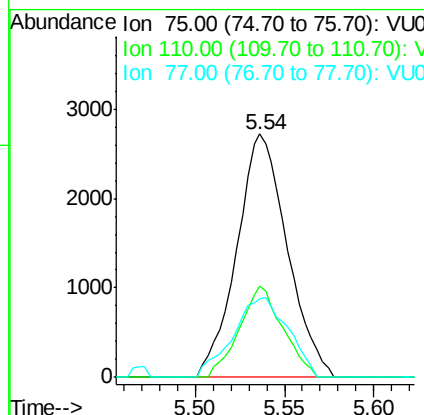
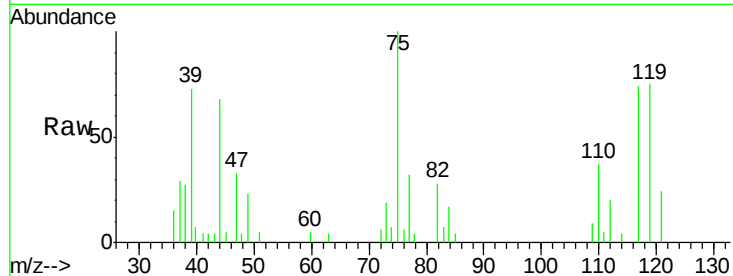
#29
 1,1-Dichloropropene
 Concen: 0.596 ug/l
 RT: 5.54 min Scan# 1305
 Delta R.T. -0.00 min
 Lab File: VU039702.D
 Acq: 29 Jul 2020 14:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
75	100		
110	32.1	14.6	44.0
77	35.8	25.0	37.4

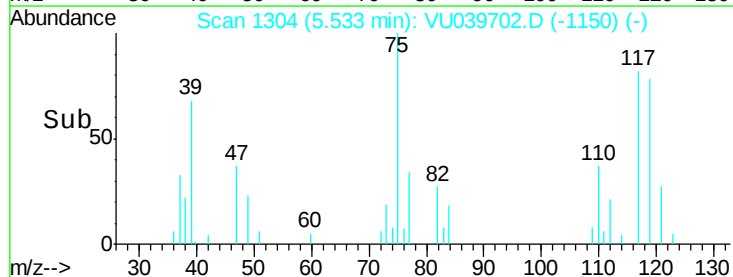
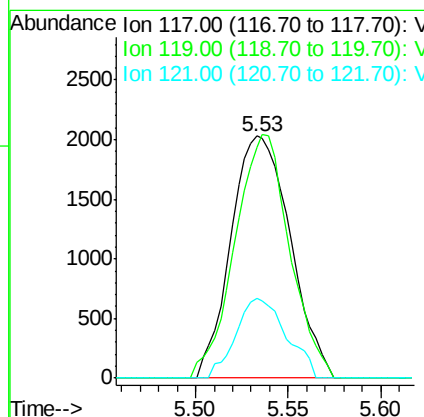
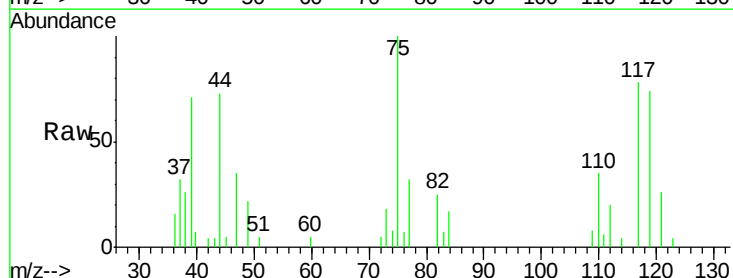
Manual Integrations
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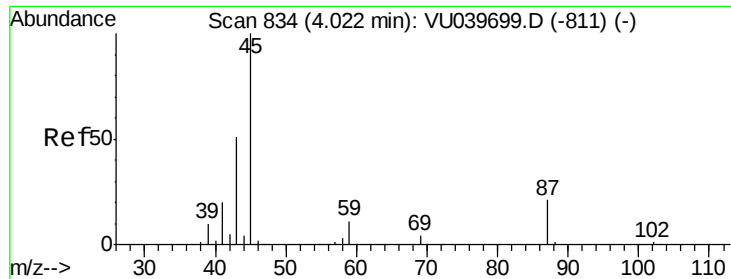
MMDadoda
 7/31/2020 3:42:29 PM



#30
 Carbon Tetrachloride
 Concen: 0.601 ug/l
 RT: 5.53 min Scan# 1304
 Delta R.T. -0.00 min
 Lab File: VU039702.D
 Acq: 29 Jul 2020 14:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.5	75.2	112.8
121	32.9	25.4	38.2





#31

Isopropyl Ether

Concen: 0.700 ug/l

RT: 4.03 min Scan# 836

Delta R.T. 0.01 min

Lab File: VU039702.D

Acq: 29 Jul 2020 14:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 45 Resp: 13793

Ion Ratio Lower Upper

45 100

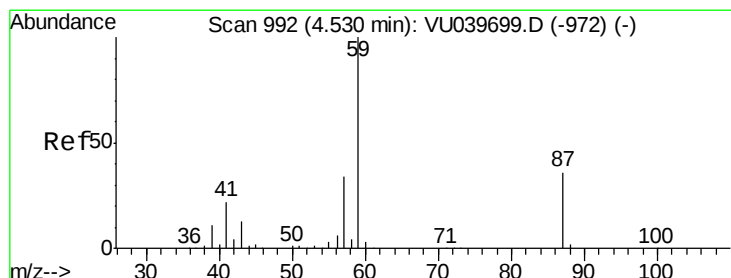
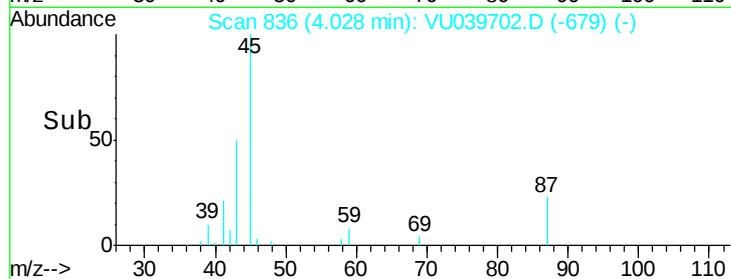
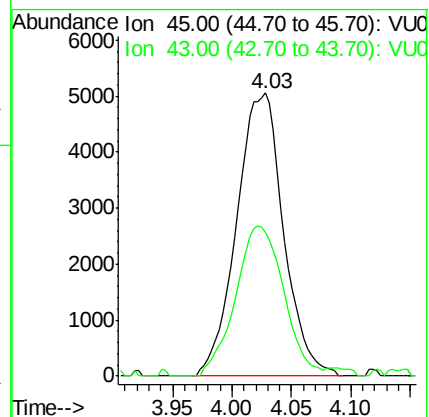
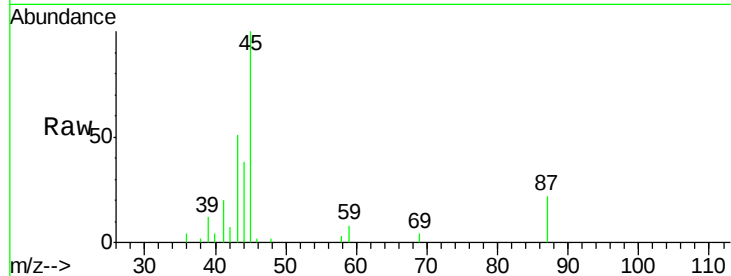
43 54.4 26.5 79.4

Manual Integrations

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#32

Ethyl-t-butyl ether

Concen: 0.637 ug/l

RT: 4.53 min Scan# 992

Delta R.T. -0.00 min

Lab File: VU039702.D

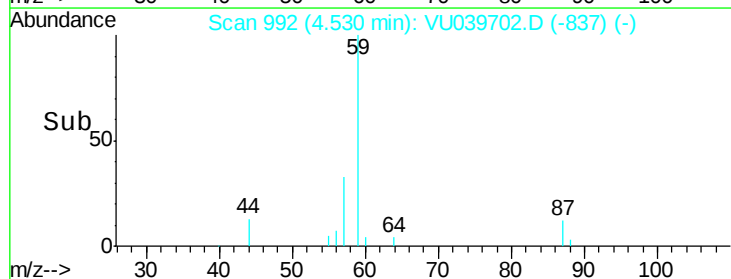
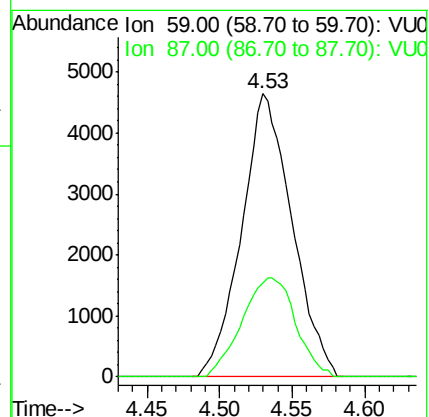
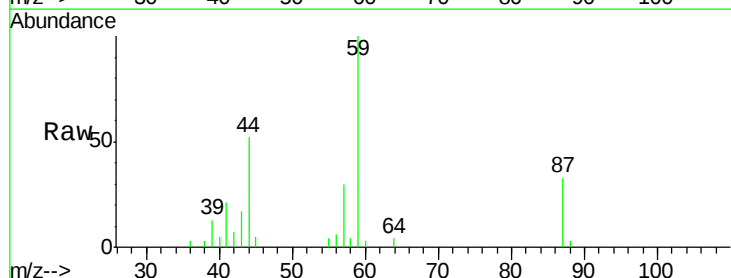
Acq: 29 Jul 2020 14:02

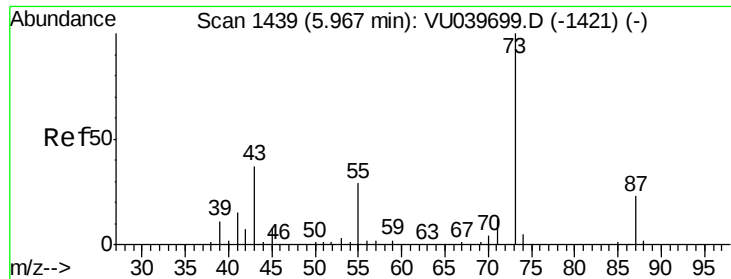
Tgt Ion: 59 Resp: 11196

Ion Ratio Lower Upper

59 100

87 37.3 29.4 44.0





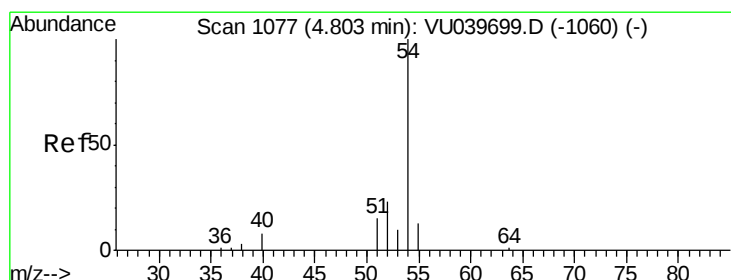
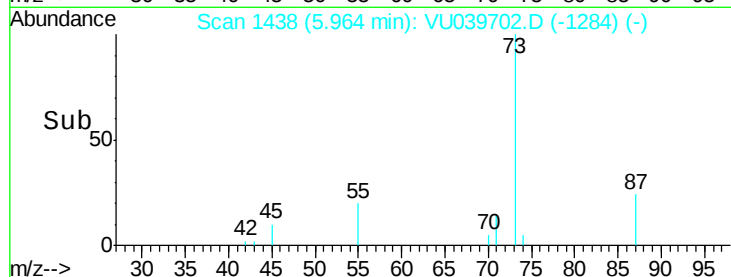
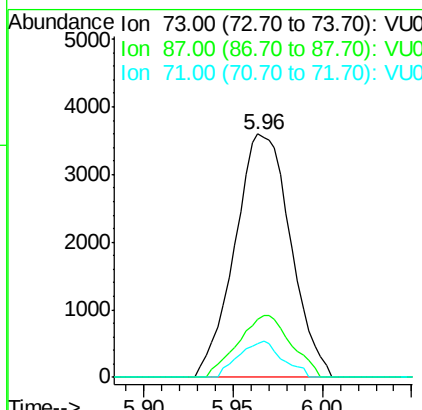
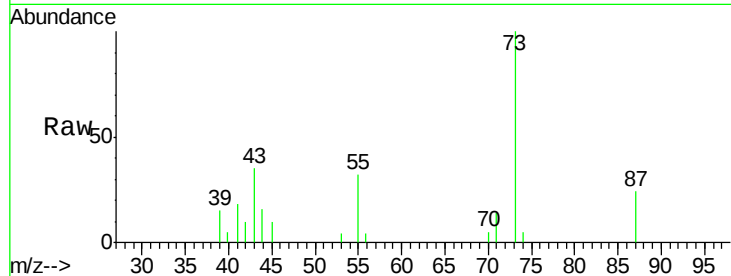
#33
Tert-Butyl methyl ether
Concen: 0.533 ug/l
RT: 5.96 min Scan# 1438
Delta R.T. -0.00 min
Lab File: VU039702.D
Acq: 29 Jul 2020 14:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
73	100		
87	24.2	18.7	28.1
71	11.6	9.1	13.7

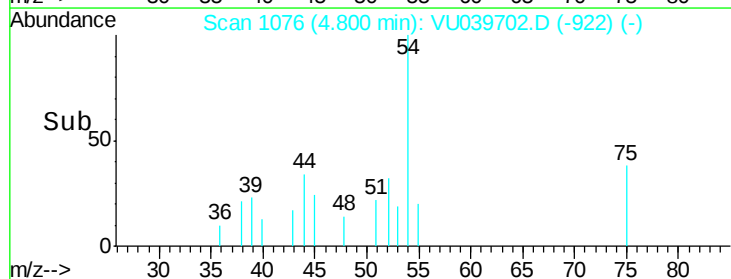
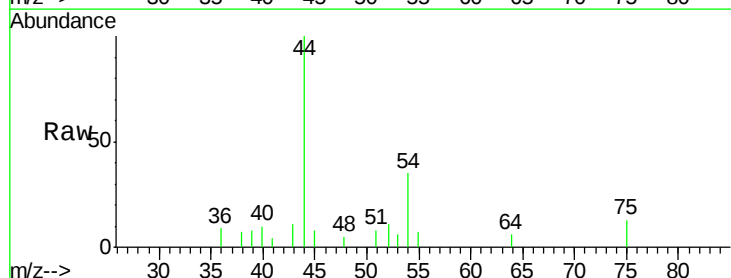
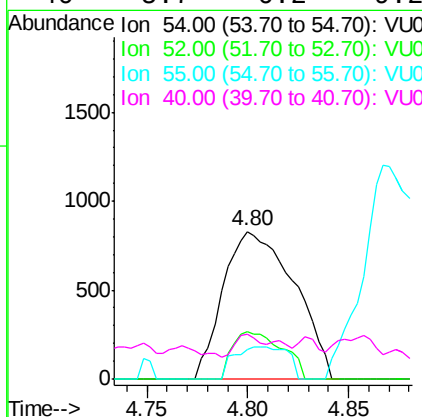
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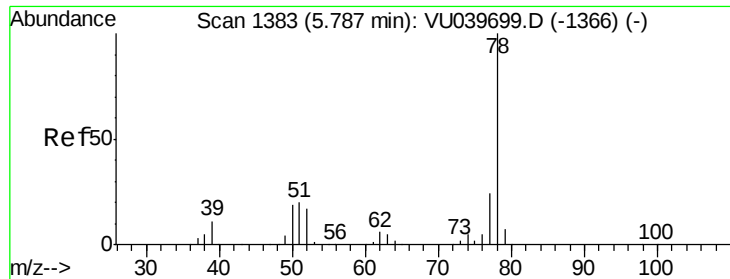
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#34
Propionitrile
Concen: 3.680 ug/l
RT: 4.80 min Scan# 1076
Delta R.T. -0.00 min
Lab File: VU039702.D
Acq: 29 Jul 2020 14:02

Tgt Ion	Ratio	Lower	Upper
54	100		
52	22.7	16.9	25.3
55	16.6	12.9	19.3
40	5.7	6.2	9.2#





#35

Benzene

Concen: 0.536 ug/l

RT: 5.79 min Scan# 1383

Delta R.T. -0.00 min

Lab File: VU039702.D

Acq: 29 Jul 2020 14:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 78 Resp: 13216

Ion Ratio Lower Upper

78 100

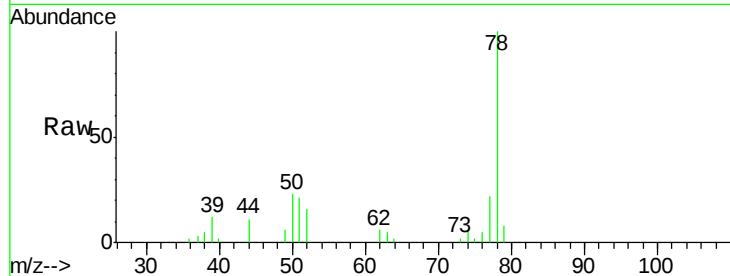
77 22.1 19.2 28.8

Manual Integrations

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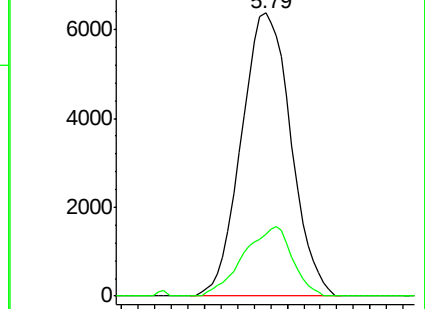
MMDadoda

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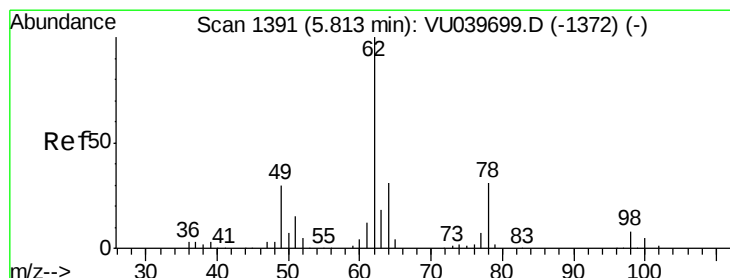
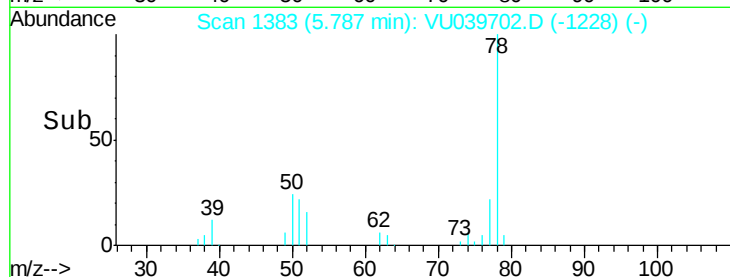


Abundance Ion 78.10 (77.80 to 78.80): VU039699.D (-1366) (-)

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



Time-->



#36

1,2-Dichloroethane

Concen: 0.620 ug/l

RT: 5.82 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VU039702.D

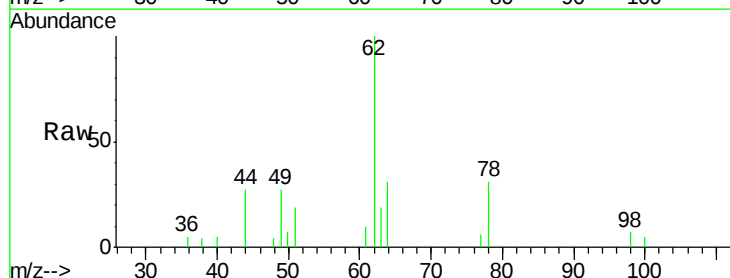
Acq: 29 Jul 2020 14:02

Tgt Ion: 62 Resp: 4729

Ion Ratio Lower Upper

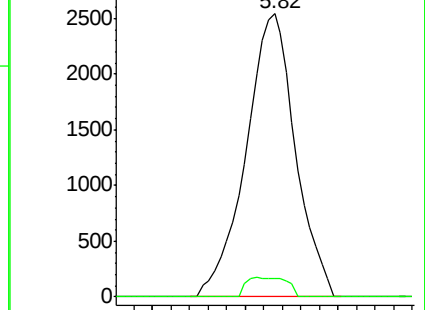
62 100

98 5.6 6.2 9.2#

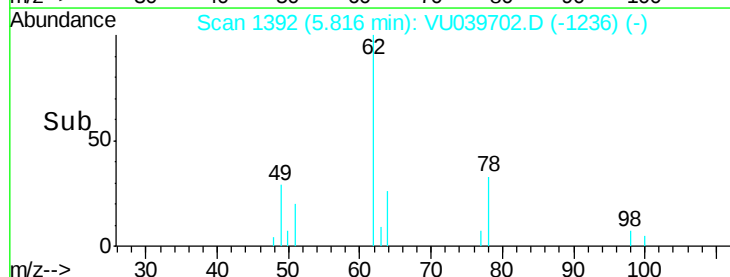


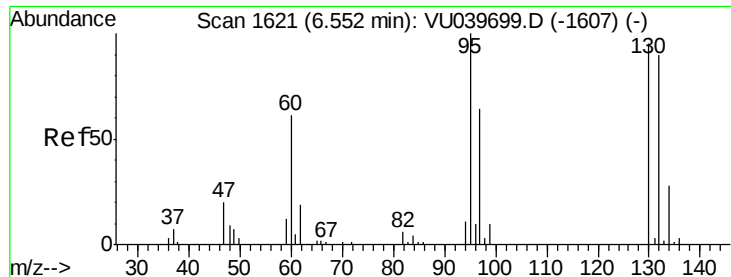
Abundance Ion 62.00 (61.70 to 62.70): VU039699.D (-1372) (-)

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



Time-->





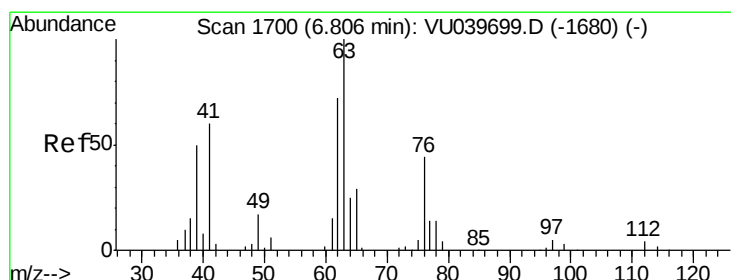
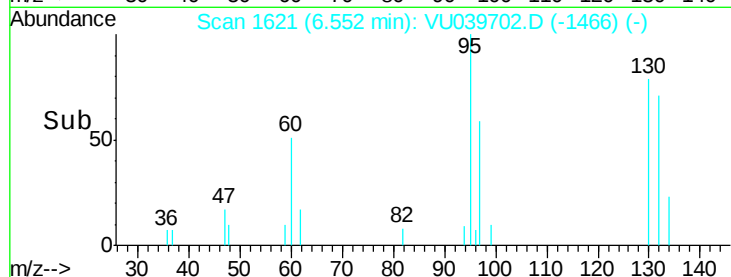
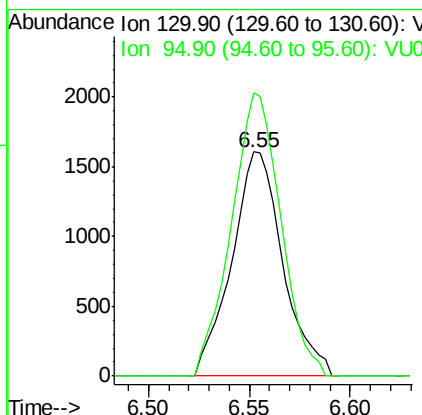
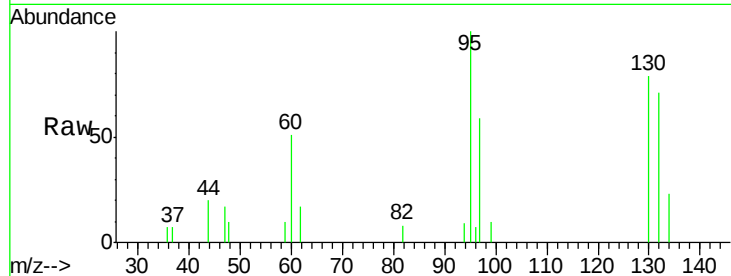
#37
 Trichloroethene
 Concen: 0.445 ug/l
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU039702.D
 Acq: 29 Jul 2020 14:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion:130 Resp: 2843
 Ion Ratio Lower Upper
 130 100
 95 126.2 84.3 126.5

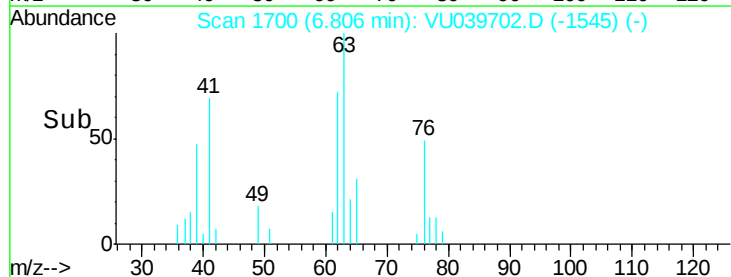
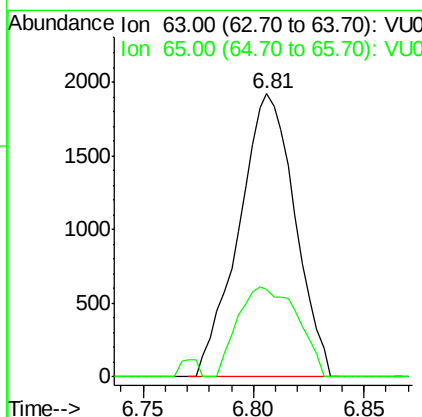
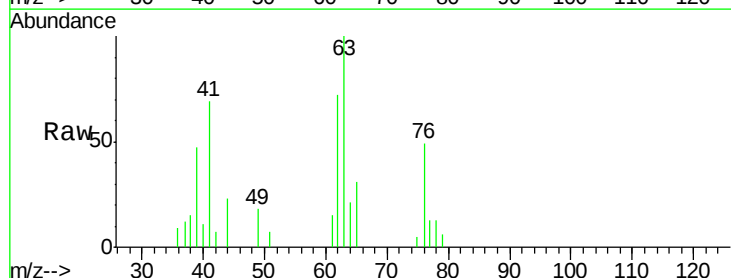
Manual Integrations
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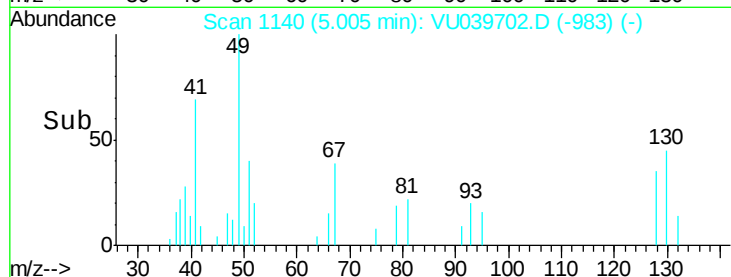
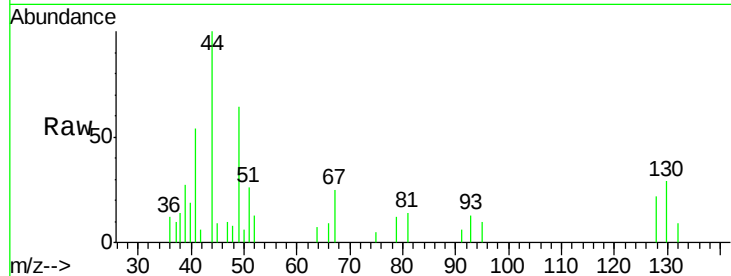
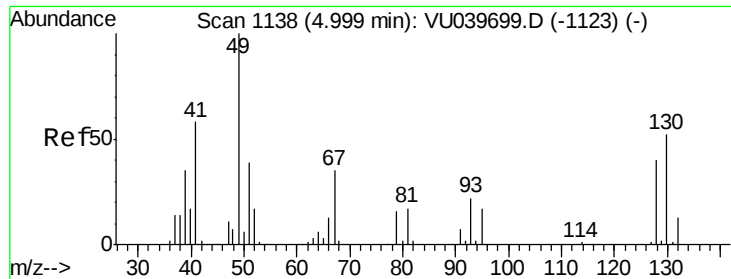
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#38
 1,2-Dichloropropane
 Concen: 0.504 ug/l
 RT: 6.81 min Scan# 1700
 Delta R.T. -0.00 min
 Lab File: VU039702.D
 Acq: 29 Jul 2020 14:02

Tgt Ion: 63 Resp: 3397
 Ion Ratio Lower Upper
 63 100
 65 30.9 23.8 35.6





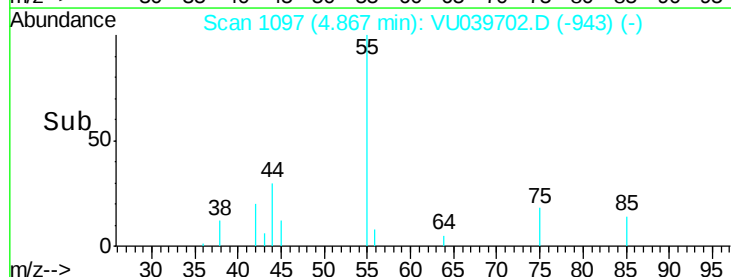
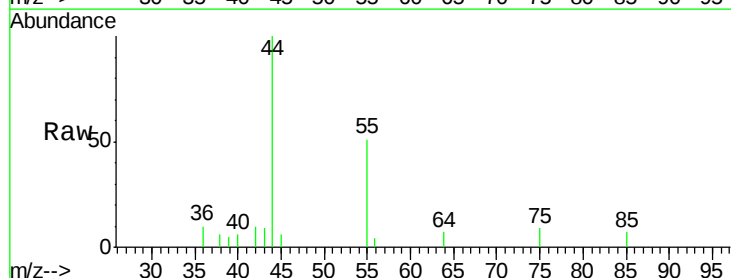
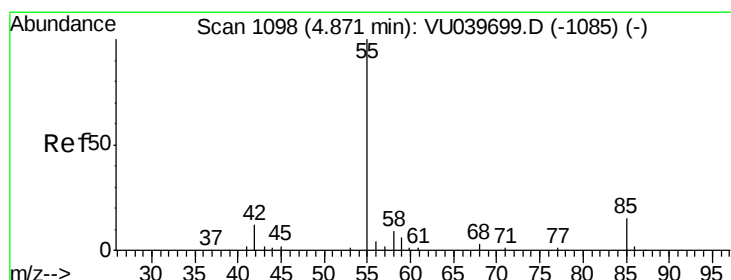
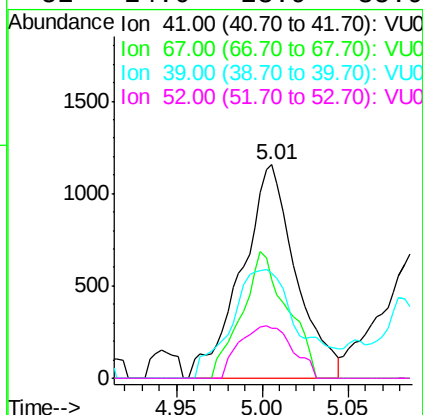
#39
Methacrylonitrile
Concen: 0.972 ug/l
RT: 5.01 min Scan# 1140
Delta R.T. 0.01 min
Lab File: VU039702.D
Acq: 29 Jul 2020 14:02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		2540		
67	49.5	48.3	72.5		
39	64.8	47.6	71.4		
52	24.0	23.9	35.9		

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

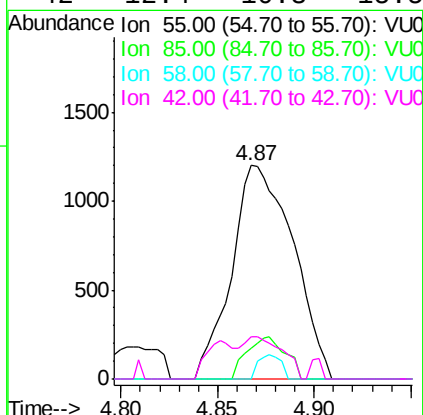
Manual Integrations
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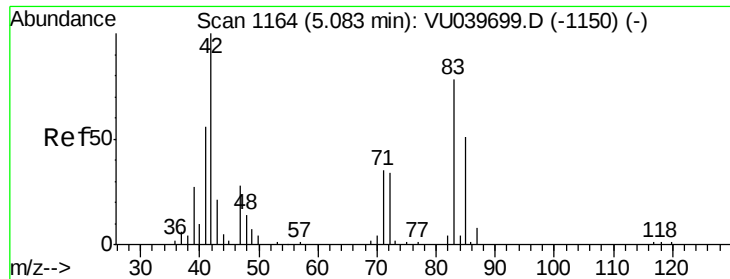
MMDadoda
7/31/2020 3:42:29 PM



#40
Methyl acrylate
Concen: 0.700 ug/l
RT: 4.87 min Scan# 1097
Delta R.T. -0.00 min
Lab File: VU039702.D
Acq: 29 Jul 2020 14:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
55	100		2657		
85	12.3	11.4	17.0		
58	4.3	7.4	11.0		
42	12.4	10.3	15.5		





#41

Tetrahydrofuran

Concen: 1.861 ug/l

RT: 5.08 min Scan# 1164

Delta R.T. -0.00 min

Lab File: VU039702.D

Acq: 29 Jul 2020 14:02

Instrument :

MSVOA_U

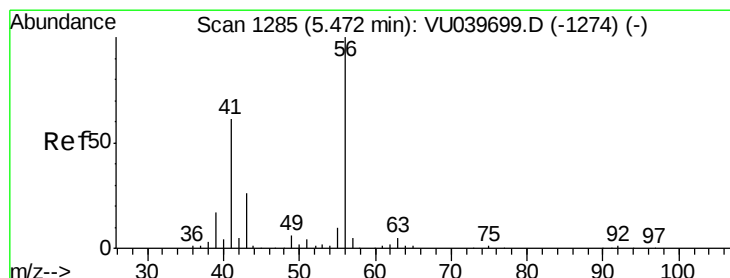
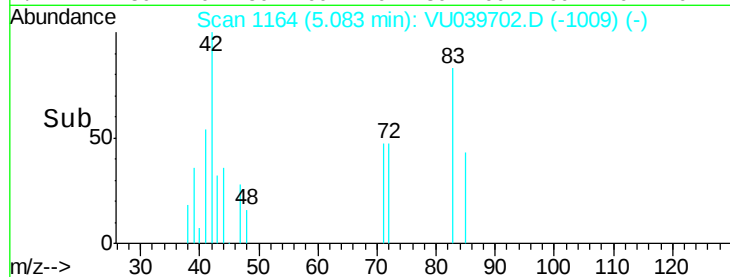
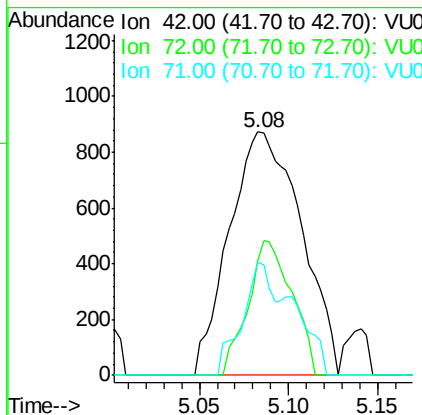
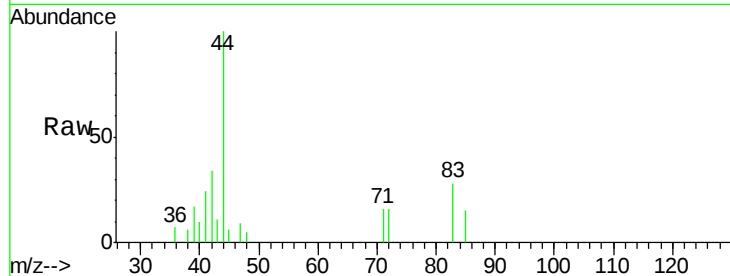
ClientSampleId :

VSTDIC0.5

Tot Ion:	42	Resp:	2445
Ion	Ratio	Lower	Upper
42	100		
72	34.0	31.0	46.6
71	21.6	28.2	42.4#

Manual Integrations
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#42

1-Chlorobutane

Concen: 0.654 ug/l

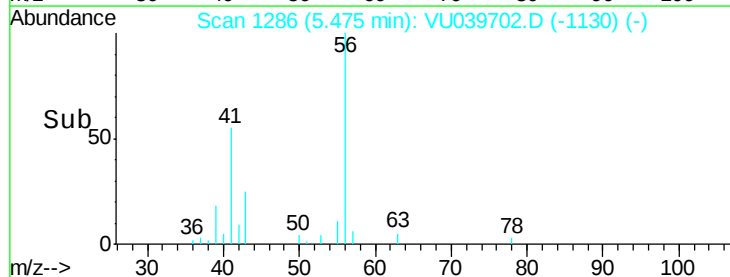
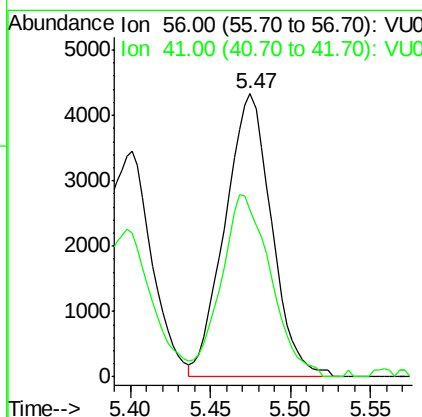
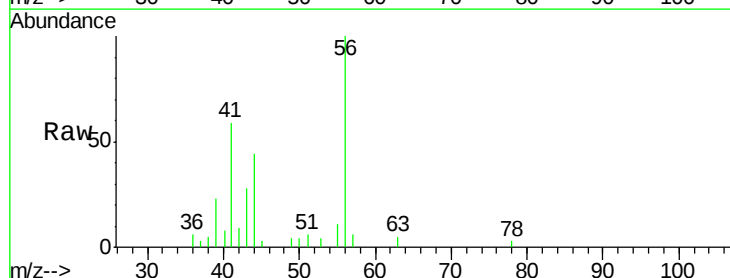
RT: 5.47 min Scan# 1286

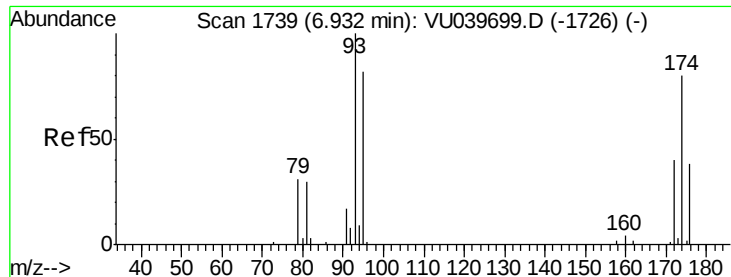
Delta R.T. 0.00 min

Lab File: VU039702.D

Acq: 29 Jul 2020 14:02

Tgt Ion:	56	Resp:	8622
Ion	Ratio	Lower	Upper
56	100		
41	68.7	30.5	91.5





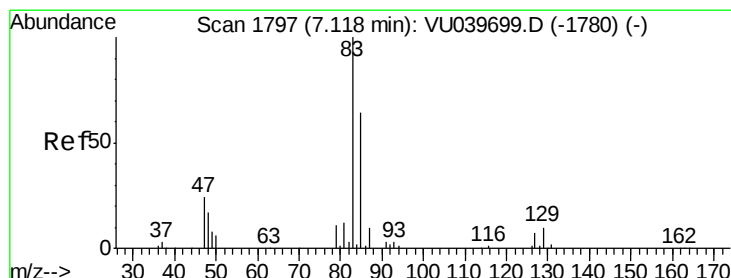
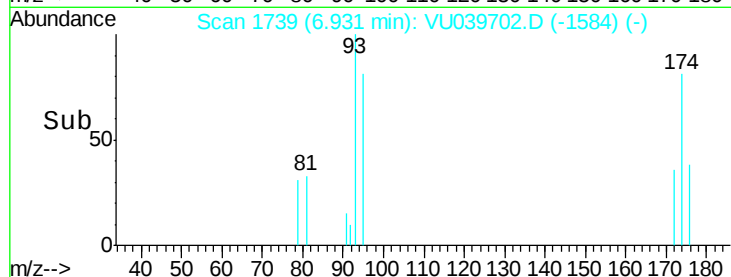
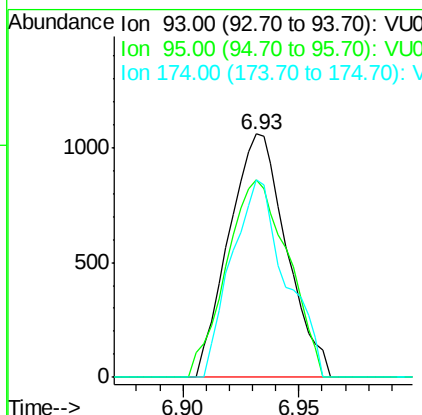
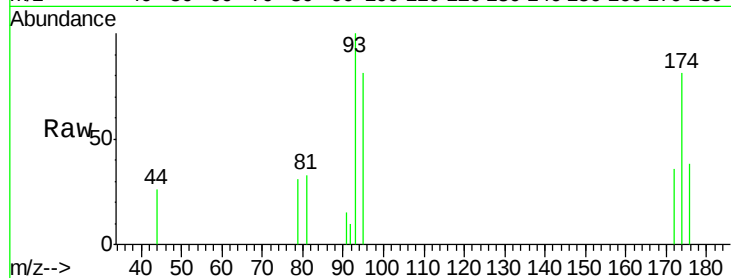
#43
Dibromomethane
Concen: 0.572 ug/l
RT: 6.93 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VU039702.D
Acq: 29 Jul 2020 14:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
93	100		
95	86.6	66.6	99.8
174	76.5	62.7	94.1

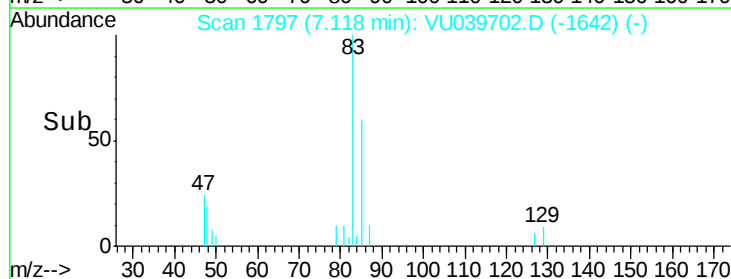
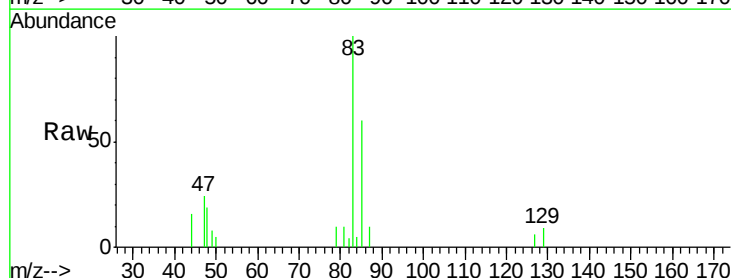
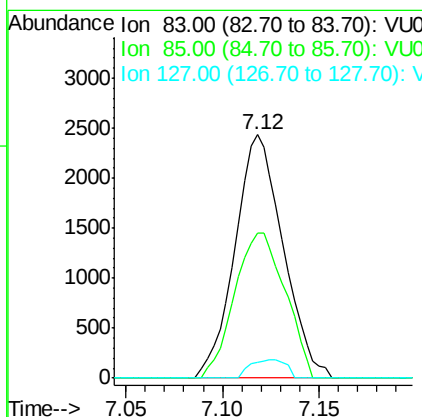
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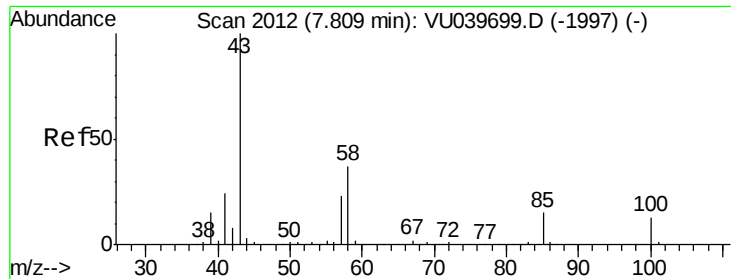
MMDadoda
7/31/2020 3:42:29 PM



#44
Bromodichloromethane
Concen: 0.530 ug/l
RT: 7.12 min Scan# 1797
Delta R.T. -0.00 min
Lab File: VU039702.D
Acq: 29 Jul 2020 14:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	59.6	50.8	76.2
127	6.4	5.8	8.6





#45

4-Methyl-2-Pentanone

Concen: 3.121 ug/l

RT: 7.81 min Scan# 2013

Delta R.T. 0.00 min

Lab File: VU039702.D

Acq: 29 Jul 2020 14:02

Instrument :

MSVOA_U

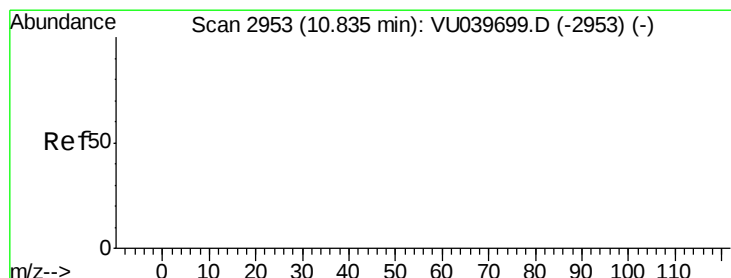
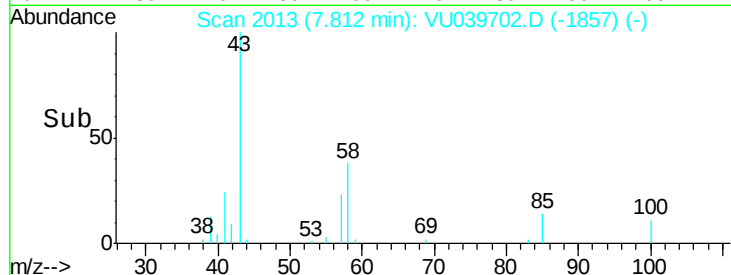
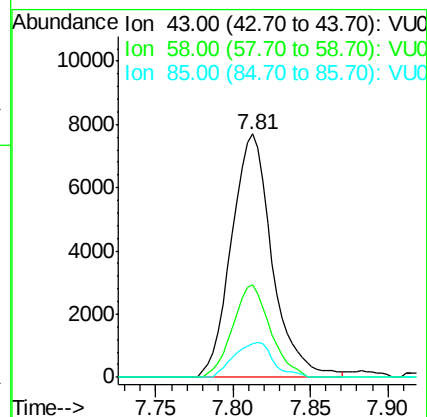
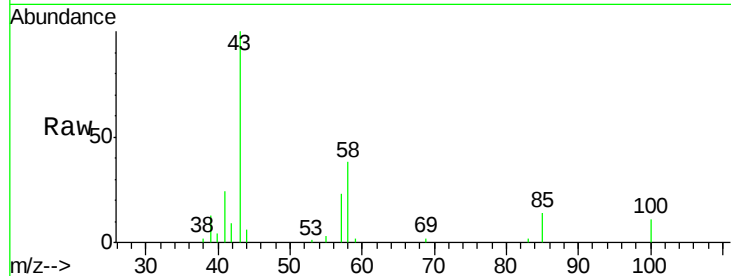
ClientSampled :

VSTDIC0.5

Tot Ion:	43	Resp:	14042
Ion	Ratio	Lower	Upper
43	100		
58	35.1	18.4	55.0
85	14.0	11.8	17.6

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#46

t-1,4-Dichloro-2-butene

Concen: 1.076 ug/l m

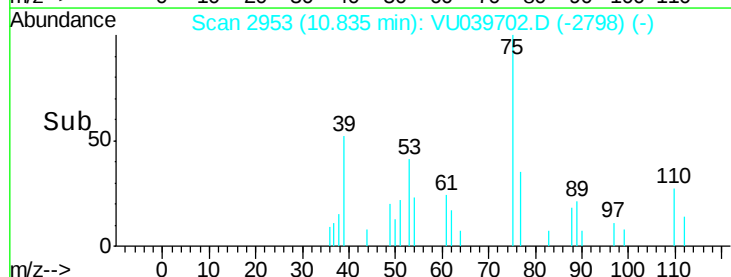
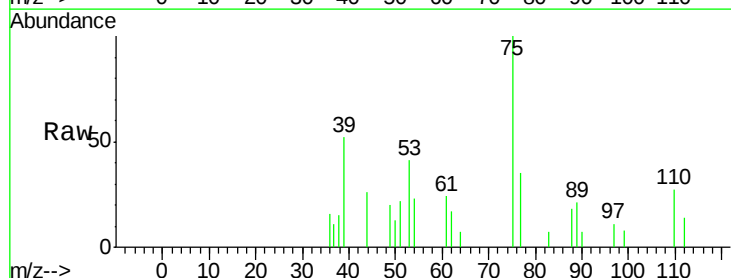
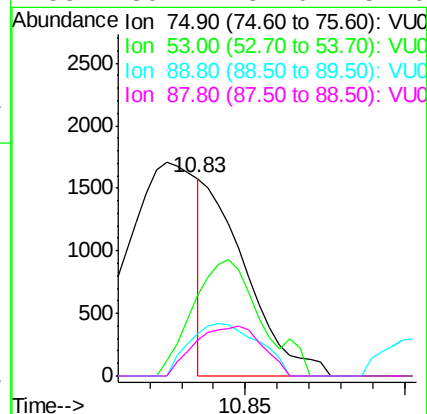
RT: 10.83 min Scan# 2953

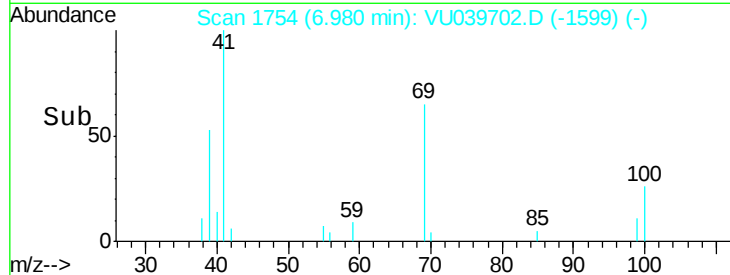
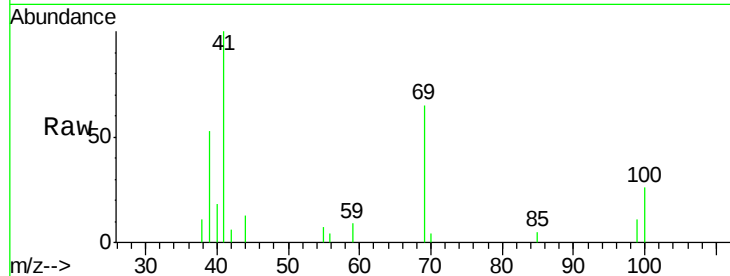
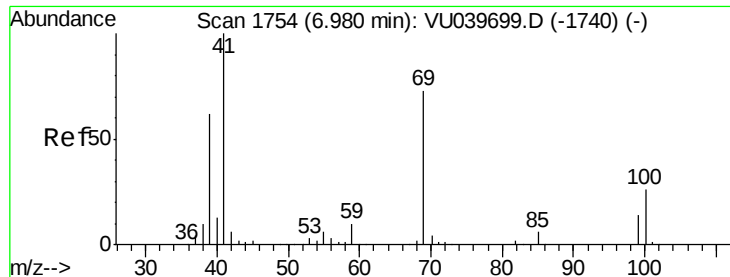
Delta R.T. -0.00 min

Lab File: VU039702.D

Acq: 29 Jul 2020 14:02

Tgt Ion:	75	Resp:	1480
Ion	Ratio	Lower	Upper
75	100		
53	92.5	78.6	118.0
89	42.8	40.3	60.5
88	39.4	34.0	51.0





#47

Methyl methacrylate

Concen: 0.988 ug/l

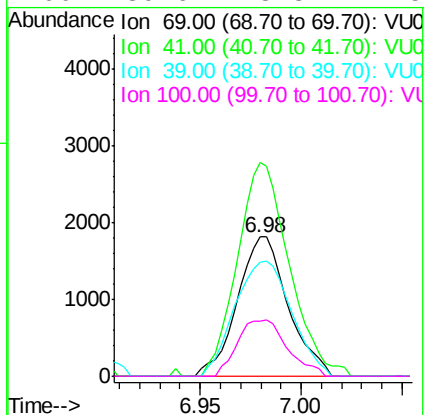
RT: 6.98 min Scan# 1754

Delta R.T. -0.00 min

Lab File: VU039702.D

Acq: 29 Jul 2020 14:02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	156.4	0.0	271.6		
39	91.8	67.4	101.2		
100	39.6	28.3	42.5		

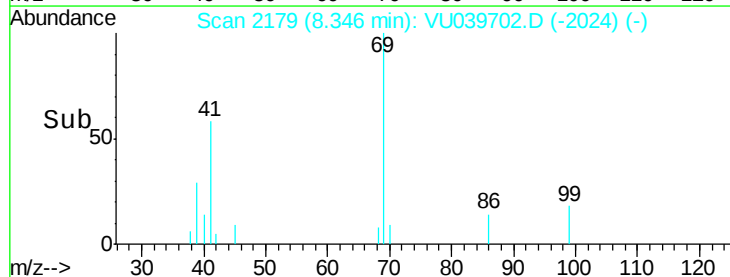
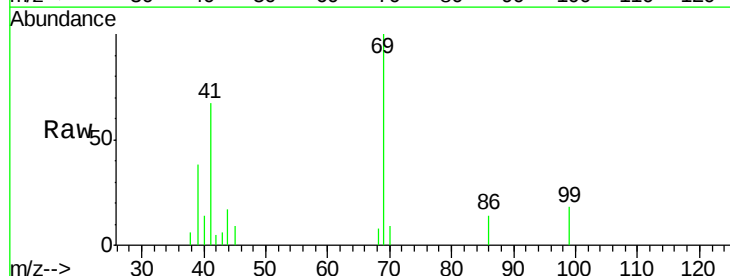
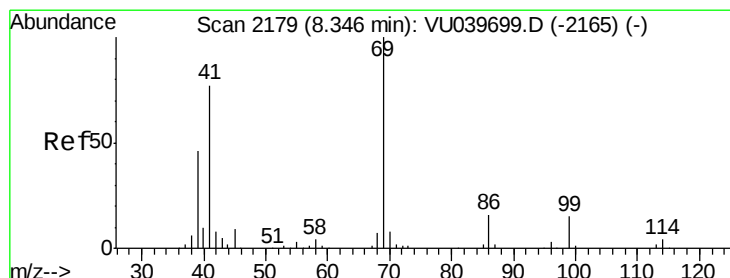


Instrument : MSVOA_U

ClientSampleId : VSTDIC0.5

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#48

Ethyl methacrylate

Concen: 0.504 ug/l

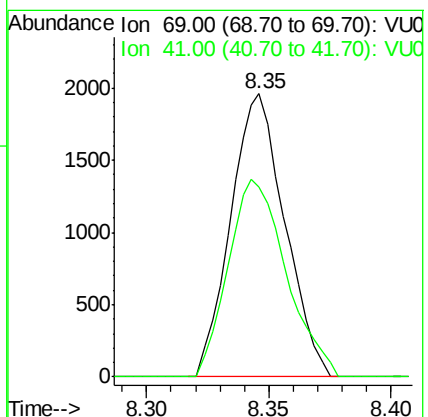
RT: 8.35 min Scan# 2179

Delta R.T. -0.00 min

Lab File: VU039702.D

Acq: 29 Jul 2020 14:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	75.0	39.1	117.5		





#49

Toluene

Concen: 0.464 ug/l

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU039702.D

Acq: 29 Jul 2020 14:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 92 Resp: 7229

Ion Ratio Lower Upper

92 100

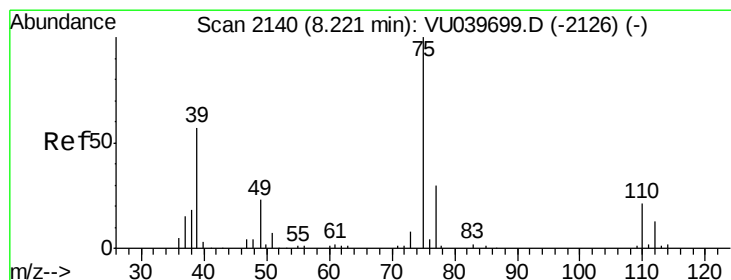
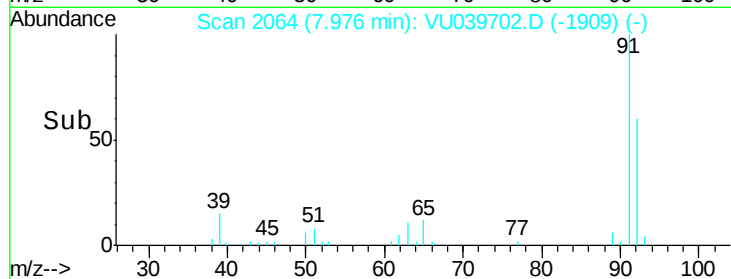
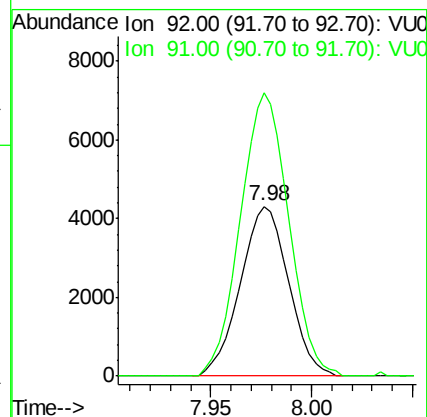
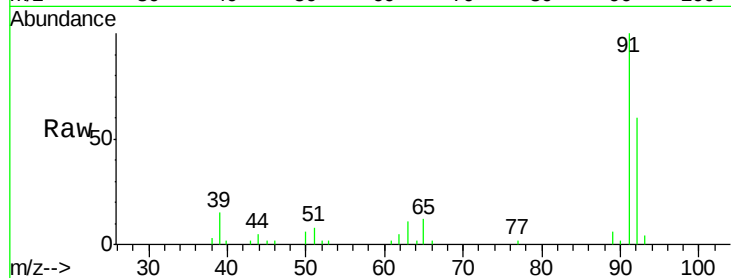
91 166.8 136.1 204.1

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#50

t-1,3-Dichloropropene

Concen: 0.413 ug/l

RT: 8.22 min Scan# 2140

Delta R.T. -0.00 min

Lab File: VU039702.D

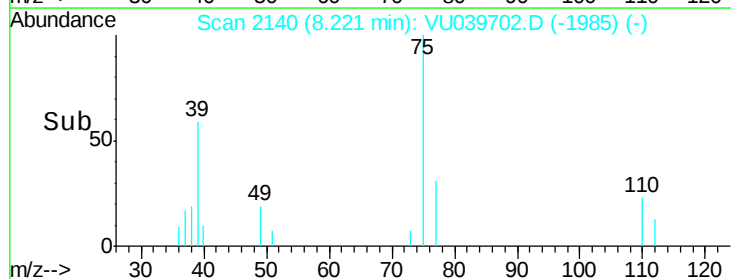
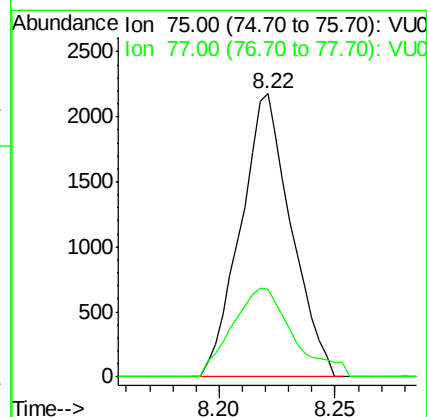
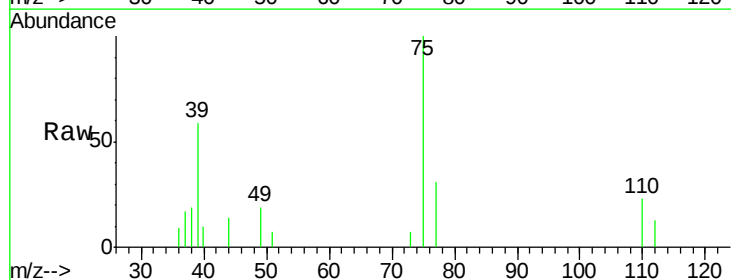
Acq: 29 Jul 2020 14:02

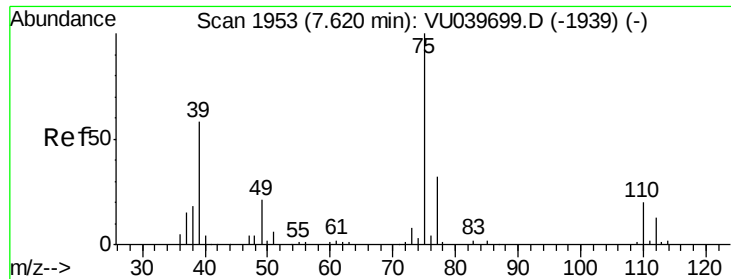
Tgt Ion: 75 Resp: 3307

Ion Ratio Lower Upper

75 100

77 30.7 24.3 36.5





#51

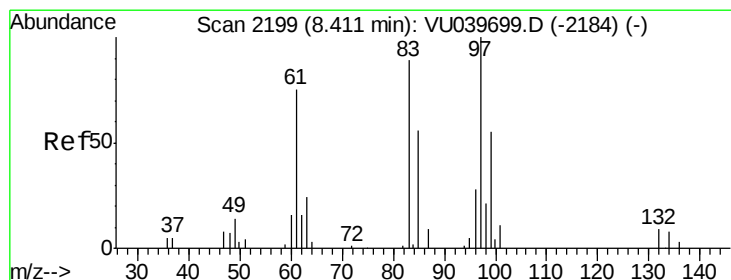
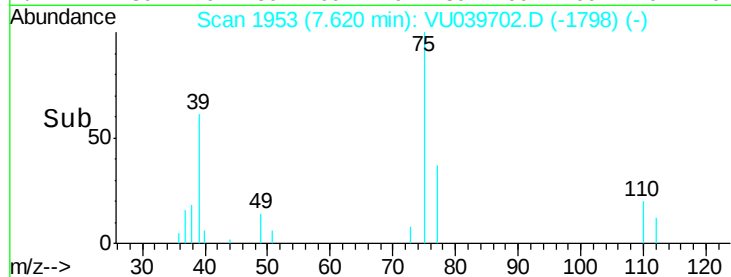
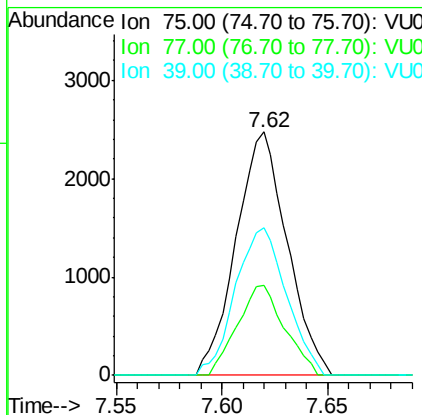
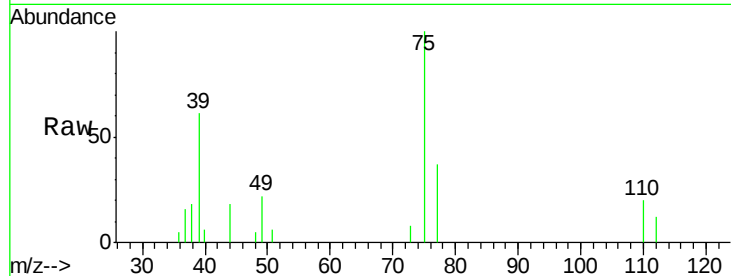
cis-1,3-Dichloropropene
Concen: 0.438 ug/l
RT: 7.62 min Scan# 1953
Delta R.T. -0.00 min
Lab File: VU039702.D
Acq: 29 Jul 2020 14:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
75	100		
77	37.2	25.7	38.5
39	60.8	46.1	69.1

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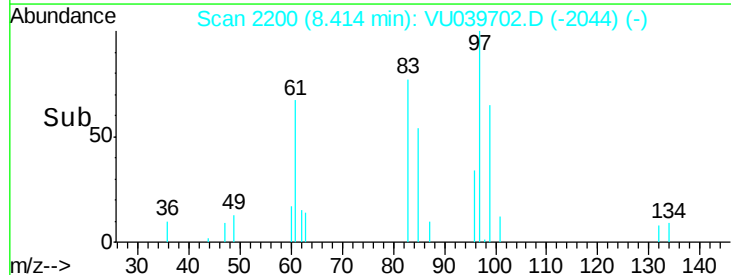
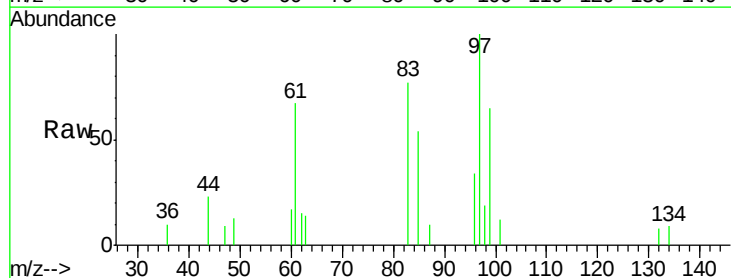
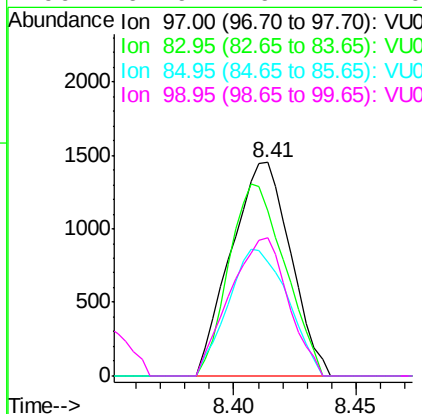
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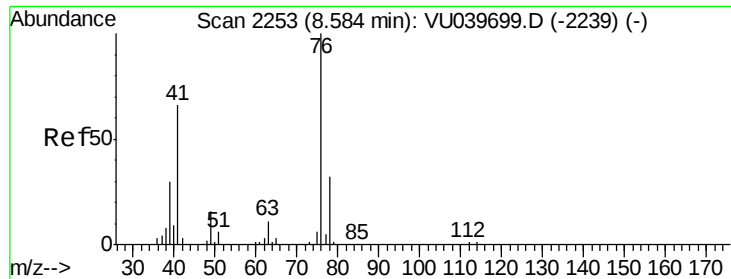


#52

1,1,2-Trichloroethane
Concen: 0.549 ug/l
RT: 8.41 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VU039702.D
Acq: 29 Jul 2020 14:02

Tgt Ion	Ratio	Lower	Upper
97	100		
83	77.5	71.3	106.9
85	53.5	45.4	68.2
99	64.9	49.4	74.0





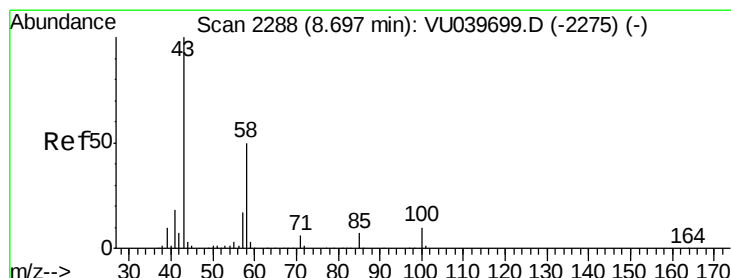
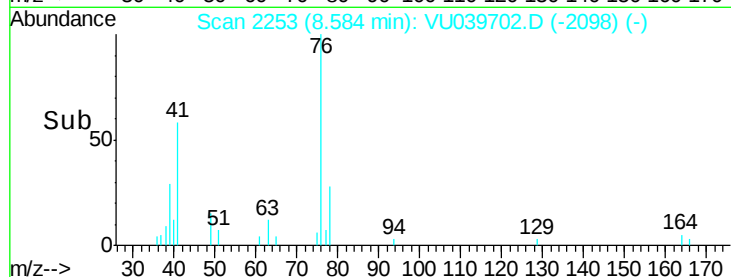
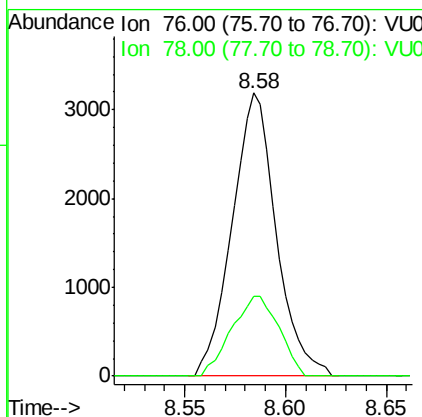
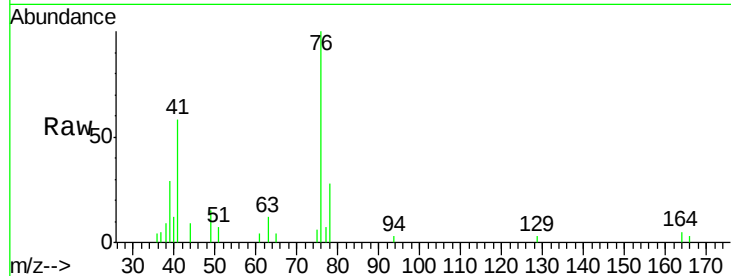
#53
 1,3-Dichloropropane
 Concen: 0.581 ug/l
 RT: 8.58 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VU039702.D
 Acq: 29 Jul 2020 14:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
76	100		
78	30.3	25.4	38.2

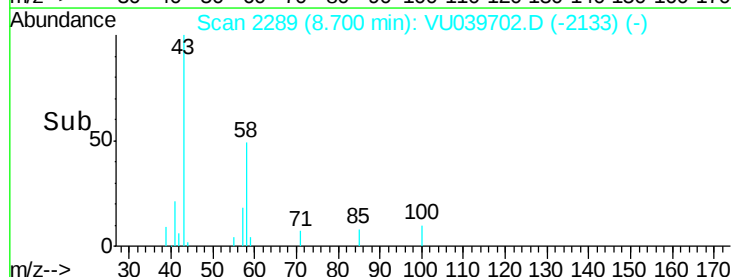
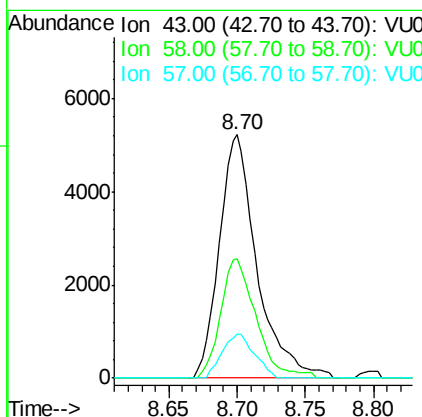
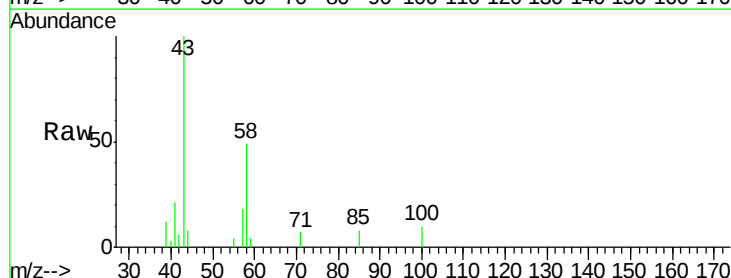
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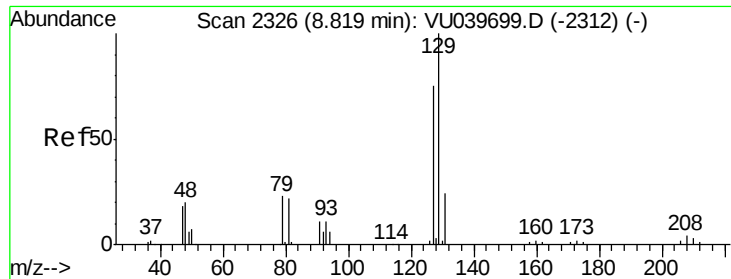
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#54
 2-Hexanone
 Concen: 3.137 ug/l
 RT: 8.70 min Scan# 2289
 Delta R.T. 0.00 min
 Lab File: VU039702.D
 Acq: 29 Jul 2020 14:02

Tgt Ion	Ratio	Lower	Upper
43	100		
58	46.1	29.9	69.9
57	15.5	0.0	37.2





#55

Dibromochloromethane

Concen: 0.477 ug/l

RT: 8.82 min Scan# 2325

Delta R.T. -0.00 min

Lab File: VU039702.D

Acq: 29 Jul 2020 14:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion:129 Resp: 2360

Ion Ratio Lower Upper

129 100

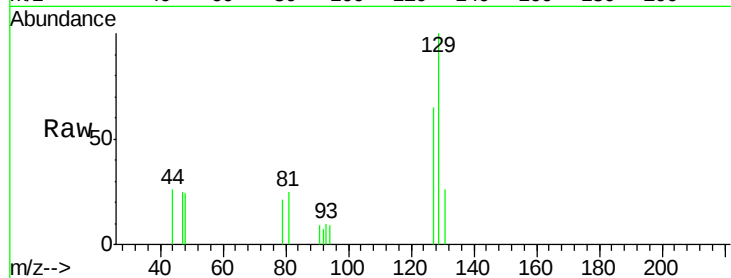
127 72.8 62.4 93.6

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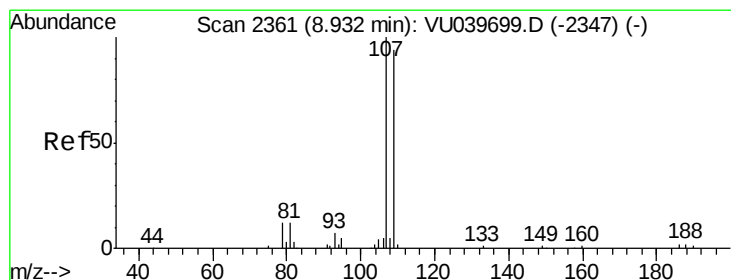
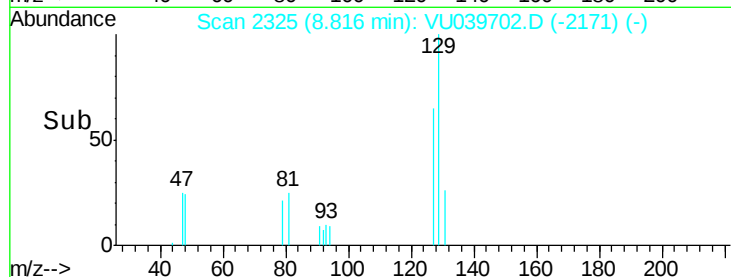
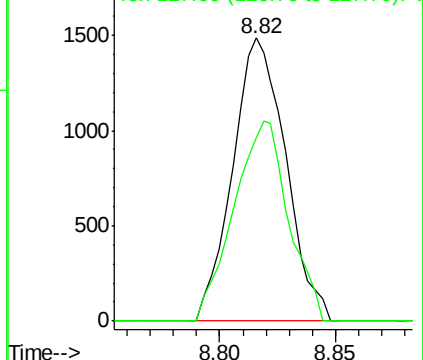
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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 0.549 ug/l

RT: 8.93 min Scan# 2361

Delta R.T. -0.00 min

Lab File: VU039702.D

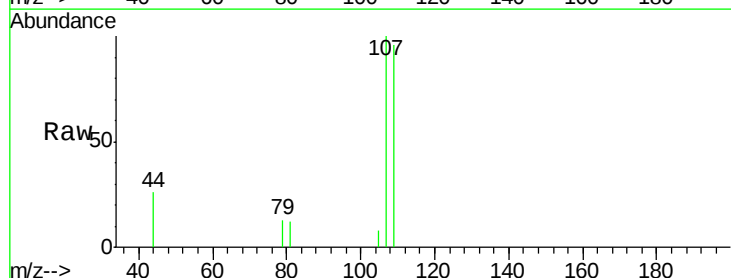
Acq: 29 Jul 2020 14:02

Tgt Ion:107 Resp: 2331

Ion Ratio Lower Upper

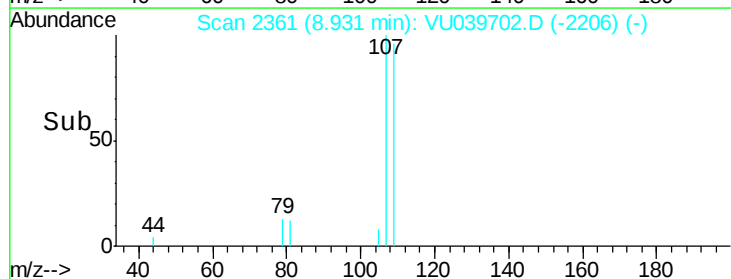
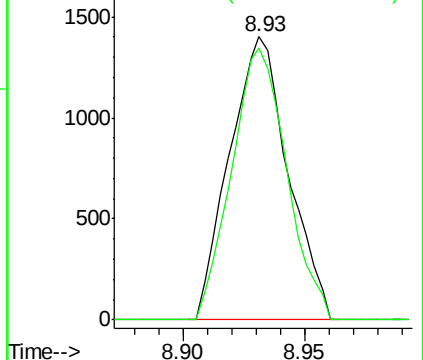
107 100

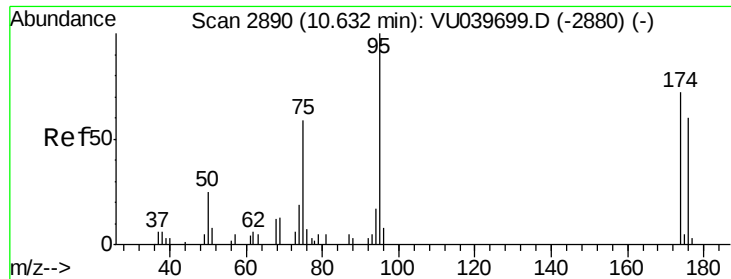
109 90.3 0.0 185.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





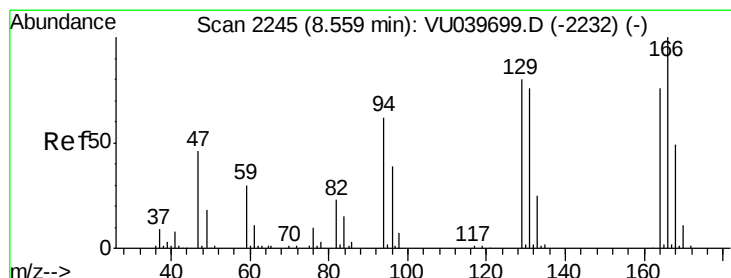
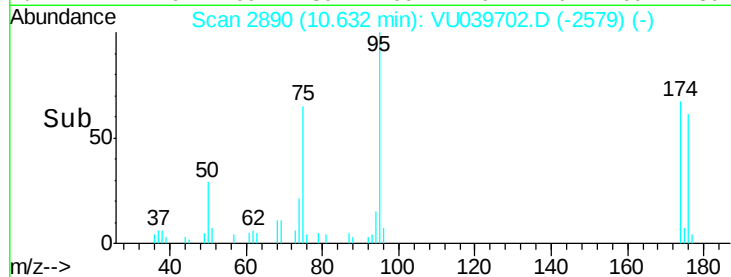
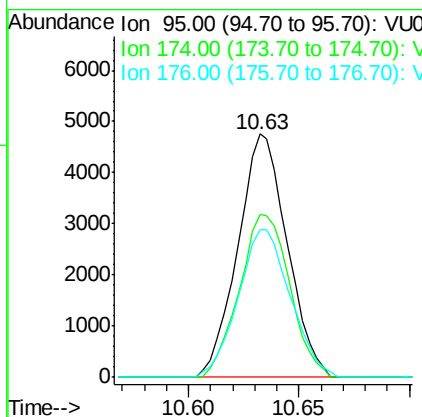
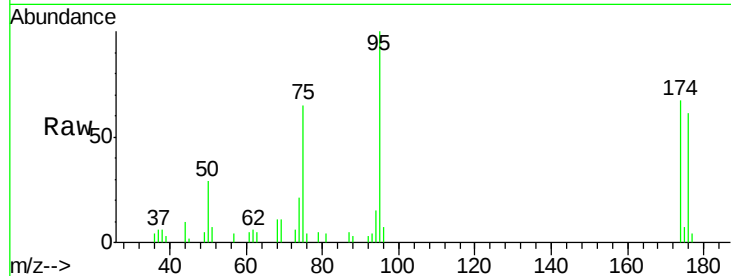
#57
 4-Bromofluorobenzene
 Concen: 0.907 ug/l
 RT: 10.63 min Scan# 2890
 Delta R.T. -0.00 min
 Lab File: VU039702.D
 Acq: 29 Jul 2020 14:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
95	100		
174	68.4	57.0	85.4
176	64.3	50.2	75.2

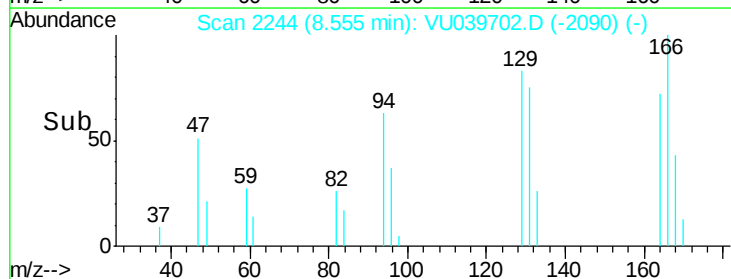
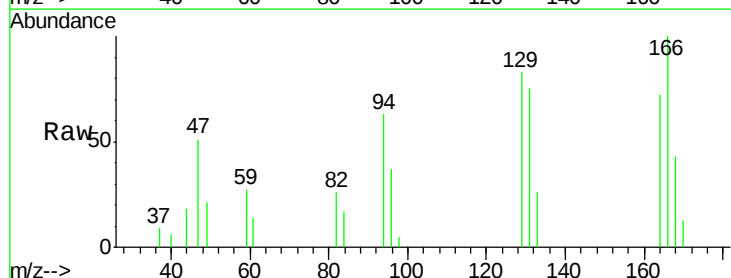
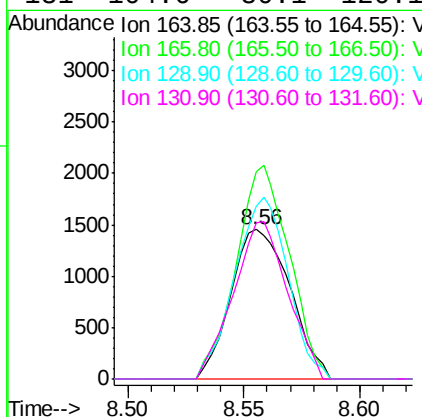
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#58
 Tetrachloroethene
 Concen: 0.441 ug/l
 RT: 8.56 min Scan# 2244
 Delta R.T. -0.00 min
 Lab File: VU039702.D
 Acq: 29 Jul 2020 14:02

Tgt Ion	Ratio	Lower	Upper
164	100		
166	138.8	104.8	157.2
129	115.7	84.1	126.1
131	104.6	80.1	120.1





#59

Chlorobenzene

Concen: 0.474 ug/l

RT: 9.45 min Scan# 2523

Delta R.T. 0.00 min

Lab File: VU039702.D

Acq: 29 Jul 2020 14:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion:112 Resp: 7814

Ion Ratio Lower Upper

112 100

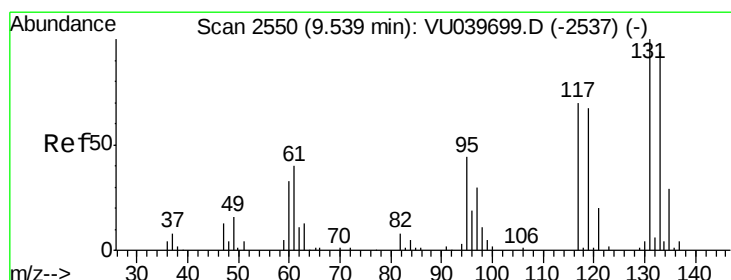
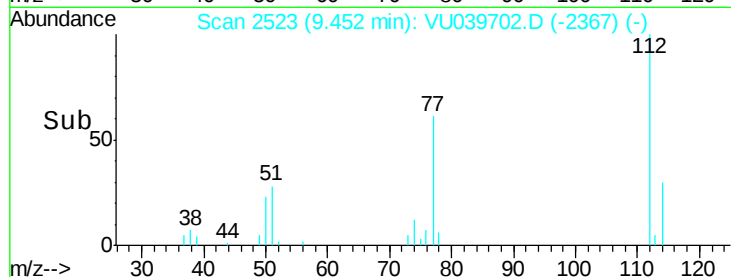
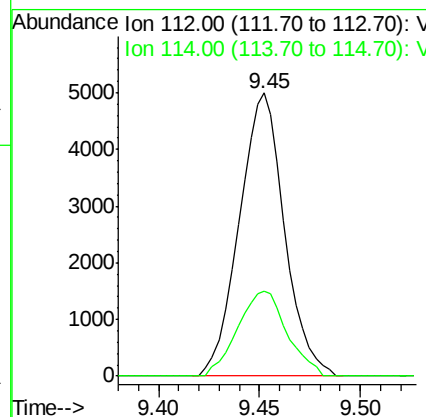
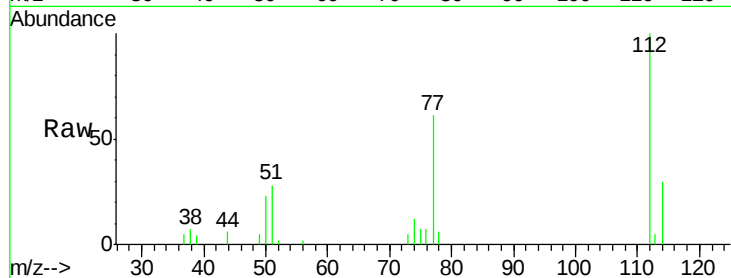
114 30.2 25.8 38.6

Manual Integrations

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#60

1,1,1,2-Tetrachloroethane

Concen: 0.480 ug/l

RT: 9.54 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VU039702.D

Acq: 29 Jul 2020 14:02

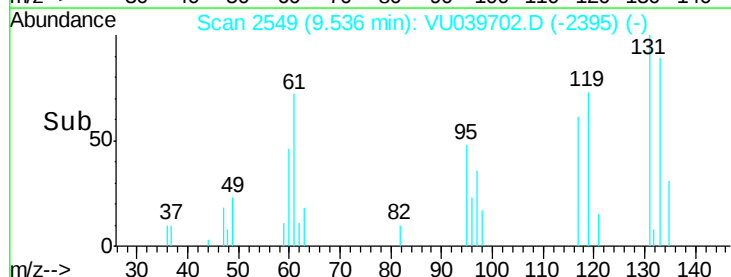
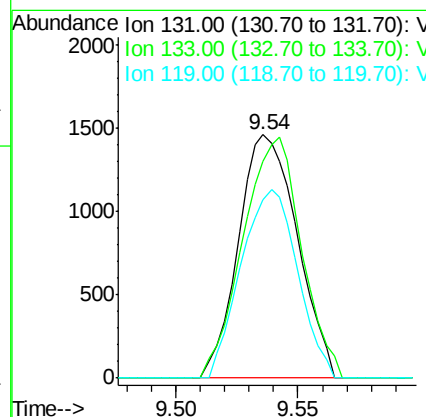
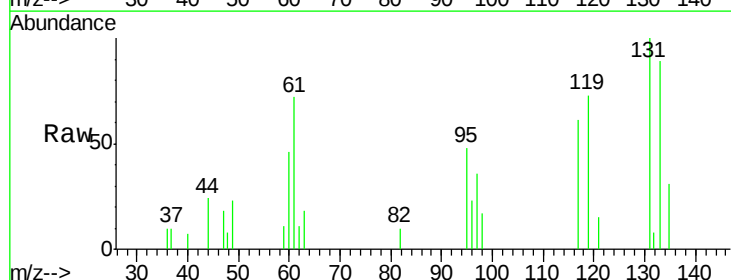
Tgt Ion:131 Resp: 2436

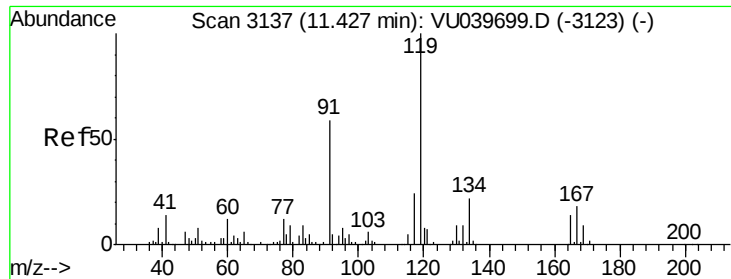
Ion Ratio Lower Upper

131 100

133 98.4 75.8 113.8

119 74.5 54.6 81.8





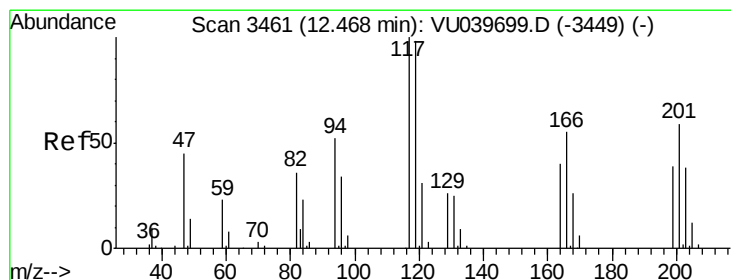
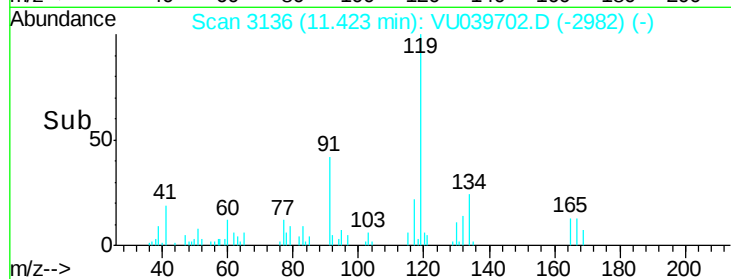
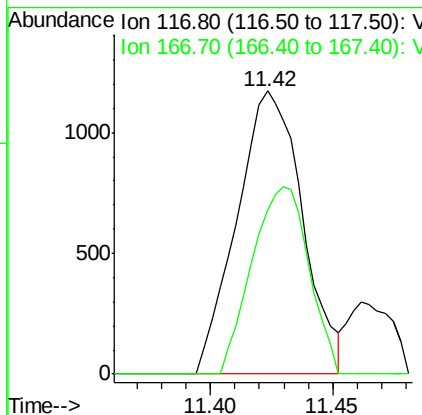
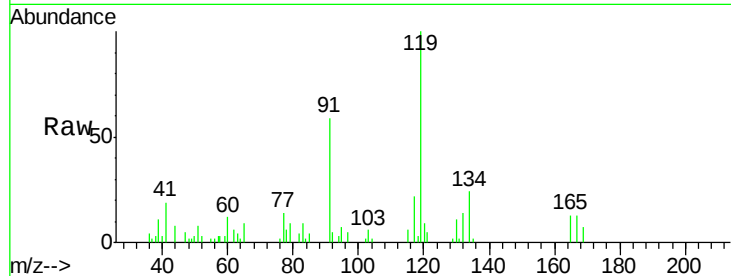
#61
 Pentachloroethane
 Concen: 0.556 ug/l
 RT: 11.42 min Scan# 3136
 Delta R.T. -0.00 min
 Lab File: VU039702.D
 Acq: 29 Jul 2020 14:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion:117 Resp: 2183
 Ion Ratio Lower Upper
 117 100
 167 57.3 56.6 85.0

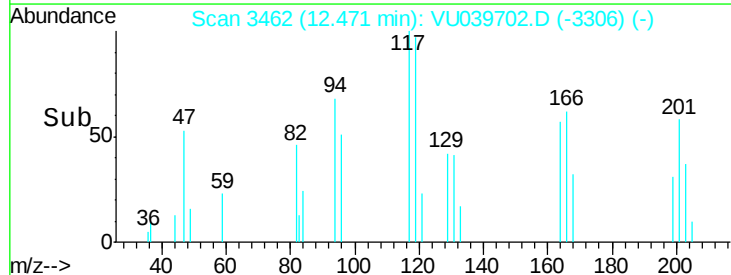
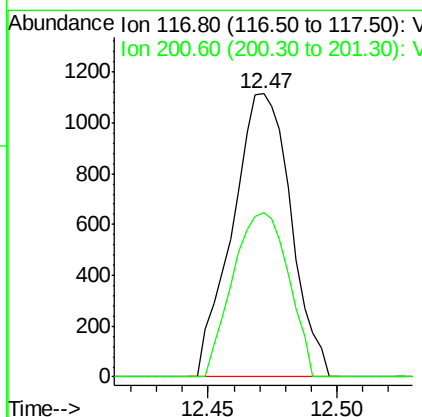
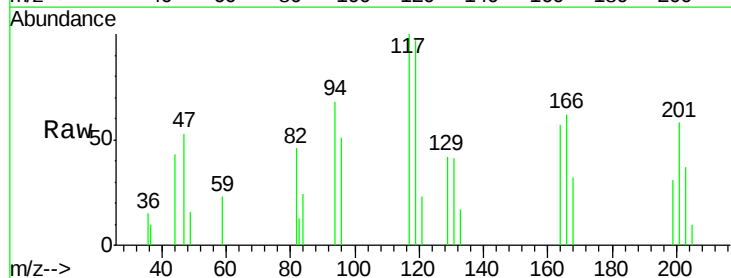
Manual Integrations
 APPROVED

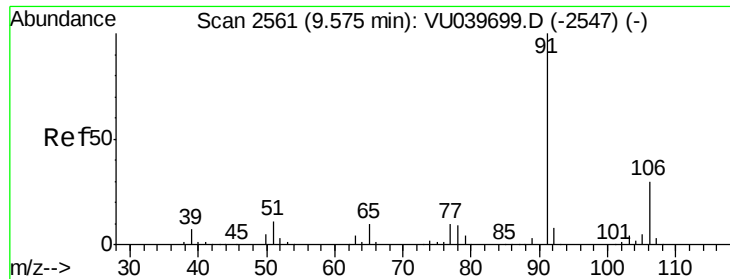
MMDadoda
 7/31/2020 3:42:29 PM



#62
 Hexachloroethane
 Concen: 0.438 ug/l
 RT: 12.47 min Scan# 3462
 Delta R.T. 0.00 min
 Lab File: VU039702.D
 Acq: 29 Jul 2020 14:02

Tgt Ion:117 Resp: 1763
 Ion Ratio Lower Upper
 117 100
 201 55.4 48.1 72.1





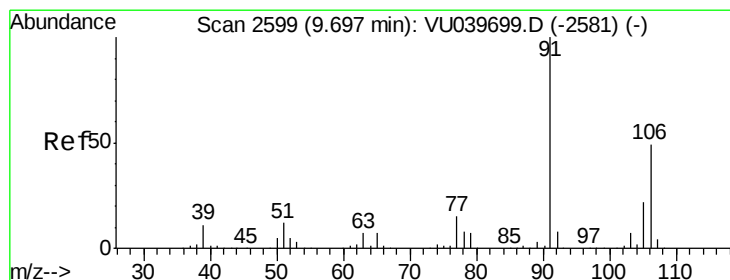
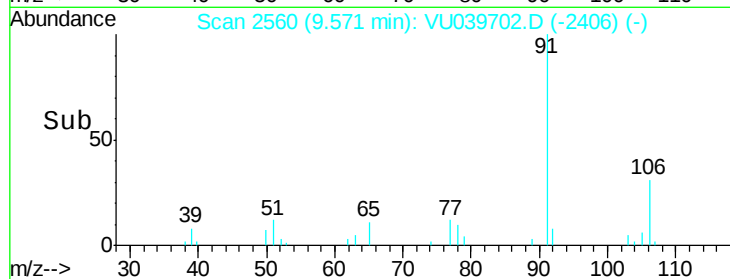
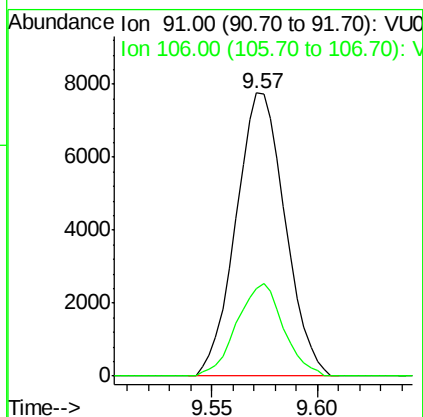
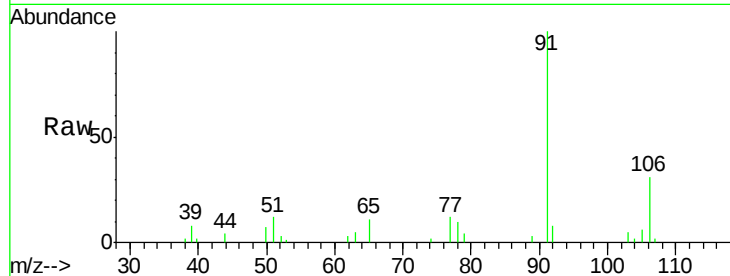
#63
Ethyl Benzene
Concen: 0.426 ug/l
RT: 9.57 min Scan# 2560
Delta R.T. -0.00 min
Lab File: VU039702.D
Acq: 29 Jul 2020 14:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion: 91 Resp: 12563
Ion Ratio Lower Upper
91 100
106 30.8 24.2 36.4

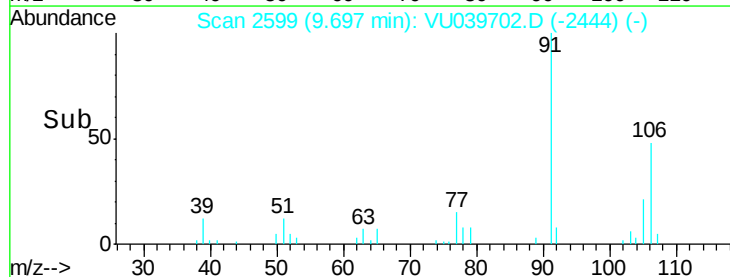
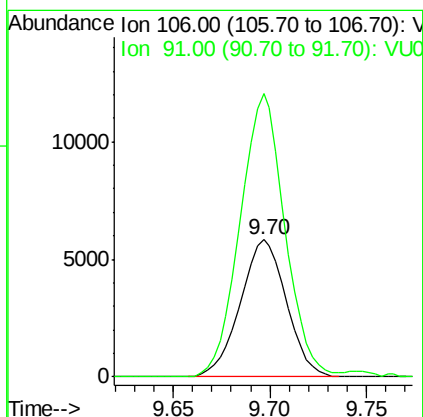
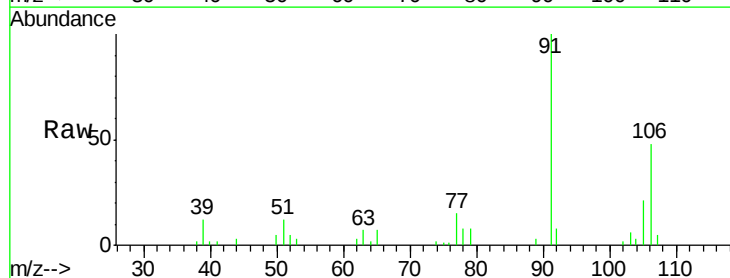
Manual Integrations
APPROVED

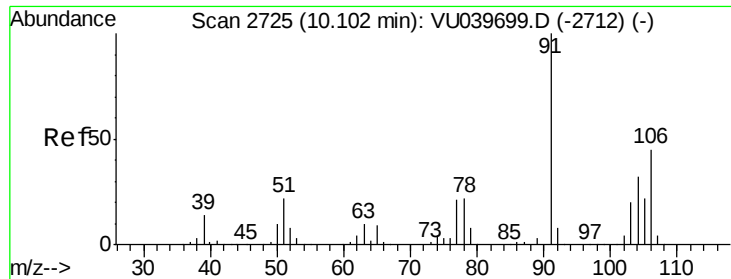
MMDadoda
7/31/2020 3:42:29 PM



#64
m/p-Xylenes
Concen: 0.847 ug/l
RT: 9.70 min Scan# 2599
Delta R.T. -0.00 min
Lab File: VU039702.D
Acq: 29 Jul 2020 14:02

Tgt Ion: 106 Resp: 9656
Ion Ratio Lower Upper
106 100
91 200.7 163.9 245.9





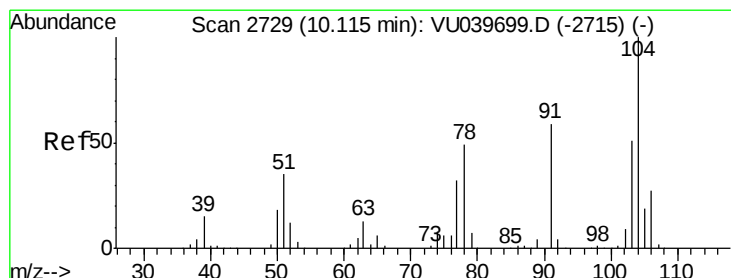
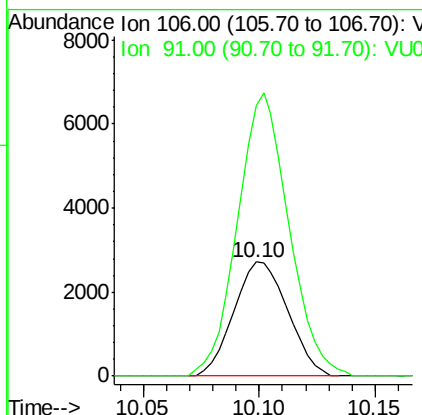
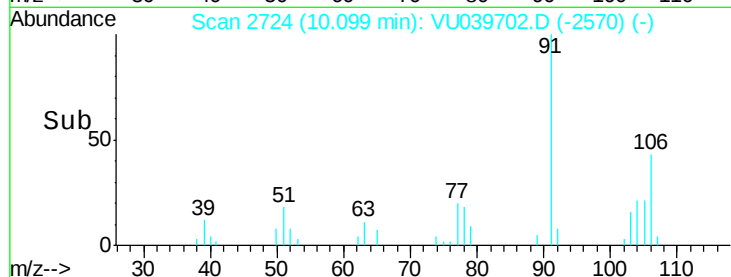
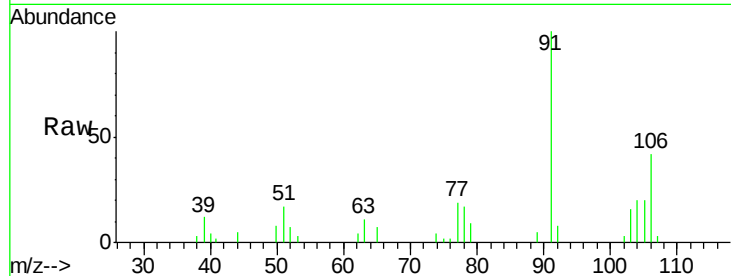
#65
o-Xylene
Concen: 0.397 ug/l
RT: 10.10 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VU039702.D
Acq: 29 Jul 2020 14:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion:106 Resp: 4385
Ion Ratio Lower Upper
106 100
91 235.8 110.3 331.0

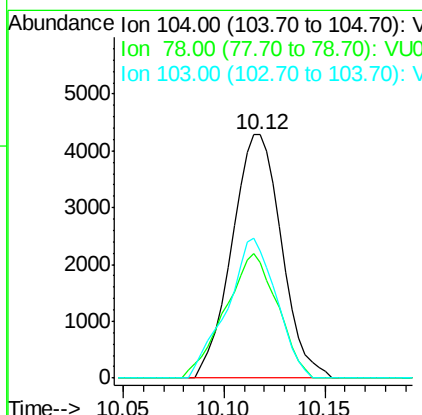
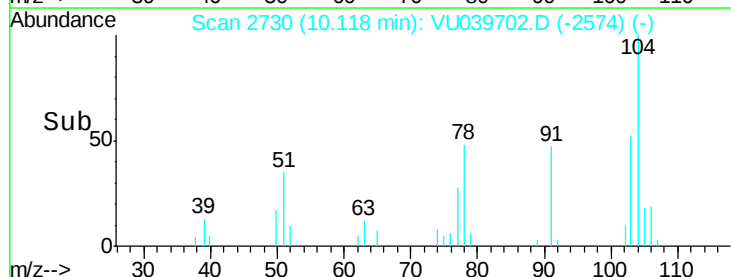
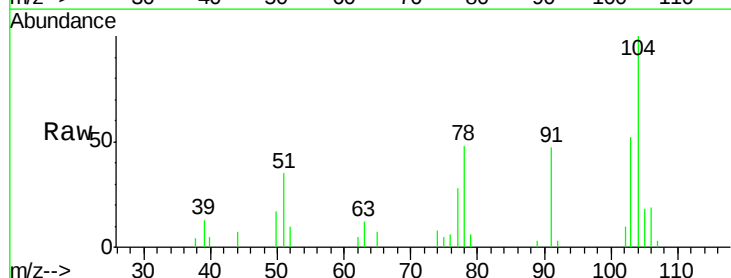
Manual Integrations
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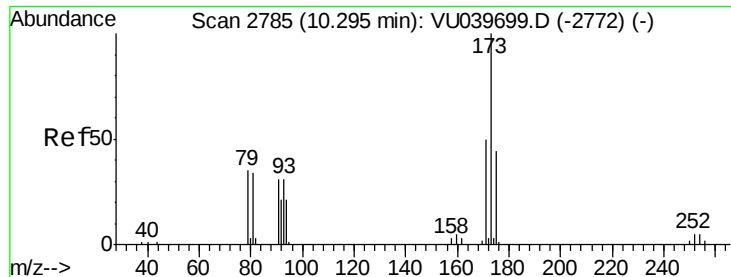
MMDadoda
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#66
Styrene
Concen: 0.402 ug/l
RT: 10.12 min Scan# 2730
Delta R.T. 0.00 min
Lab File: VU039702.D
Acq: 29 Jul 2020 14:02

Tgt Ion:104 Resp: 7368
Ion Ratio Lower Upper
104 100
78 53.9 42.2 63.4
103 57.0 43.4 65.2





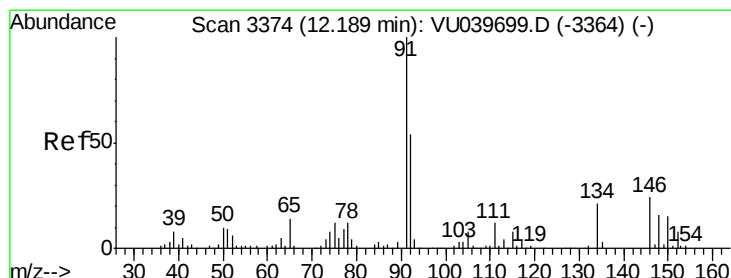
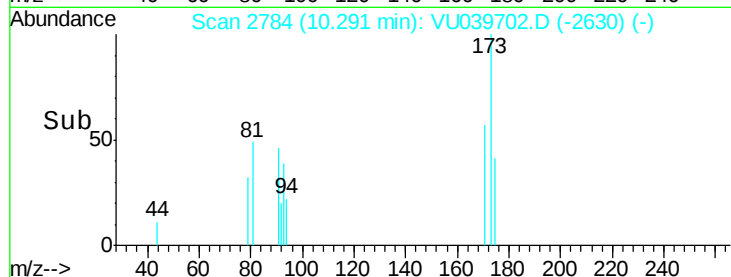
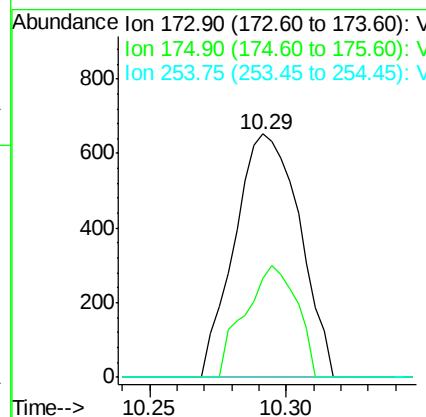
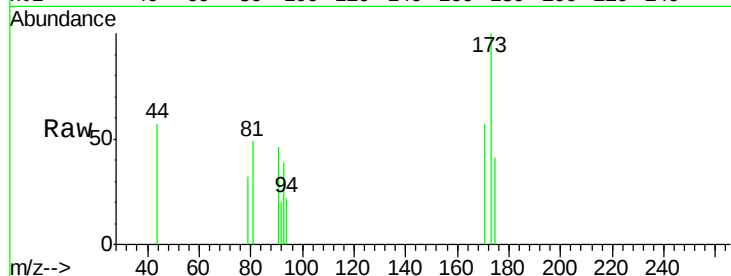
#67
Bromoform
Concen: 0.415 ug/l
RT: 10.29 min Scan# 2784
Delta R.T. -0.00 min
Lab File: VU039702.D
Acq: 29 Jul 2020 14:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

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

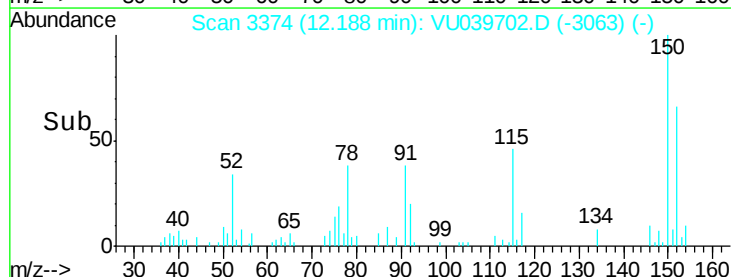
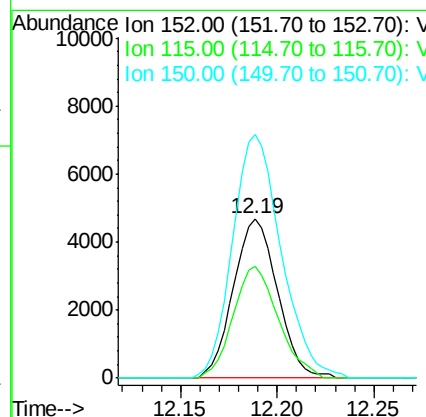
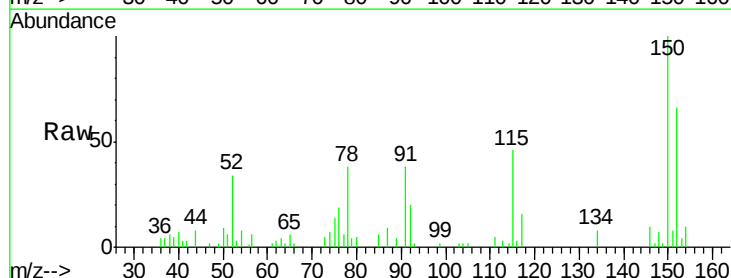
Manual Integrations
APPROVED

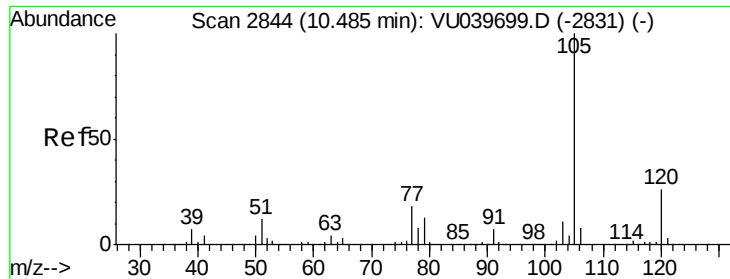
MMDadoda
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#68
1,2-Dichlorobenzene-d4
Concen: 0.939 ug/l
RT: 12.19 min Scan# 3374
Delta R.T. -0.00 min
Lab File: VU039702.D
Acq: 29 Jul 2020 14:02

Tgt Ion	Ratio	Lower	Upper
152	100		
115	71.7	0.0	302.4
150	168.6	0.0	645.8





#69

Isopropylbenzene

Concen: 0.444 ug/l

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU039702.D

Acq: 29 Jul 2020 14:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion:105 Resp: 12842

Ion Ratio Lower Upper

105 100

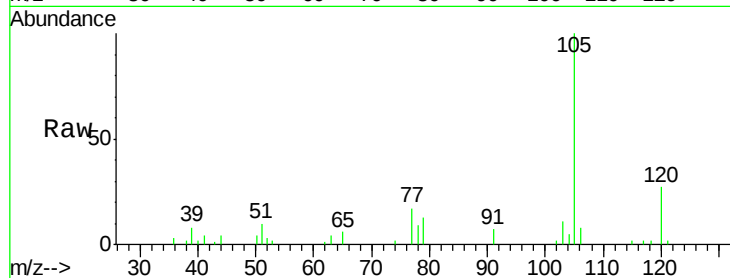
120 25.8 12.8 38.4

Manual Integrations

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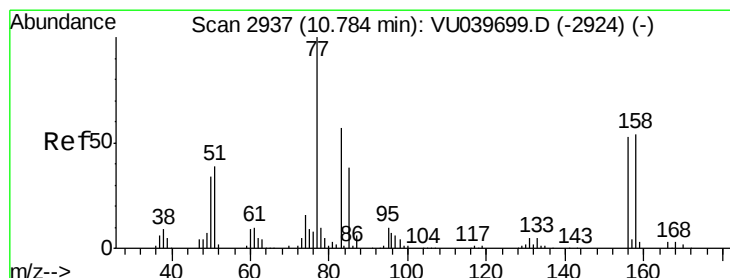
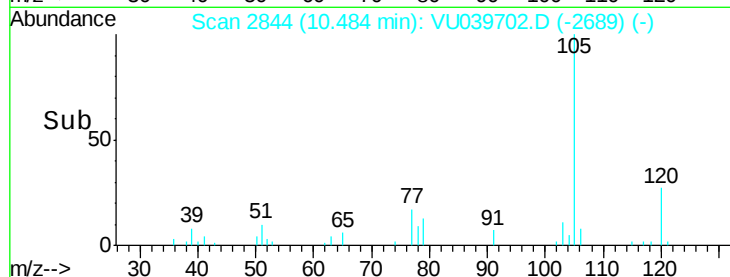
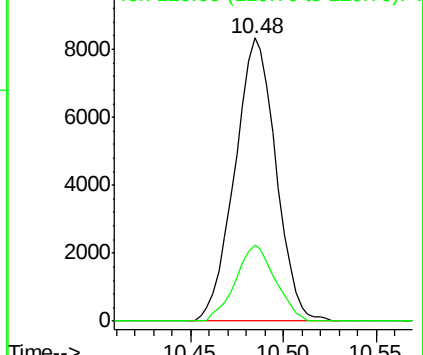
MMDadoda

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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: 0.555 ug/l

RT: 10.78 min Scan# 2937

Delta R.T. -0.00 min

Lab File: VU039702.D

Acq: 29 Jul 2020 14:02

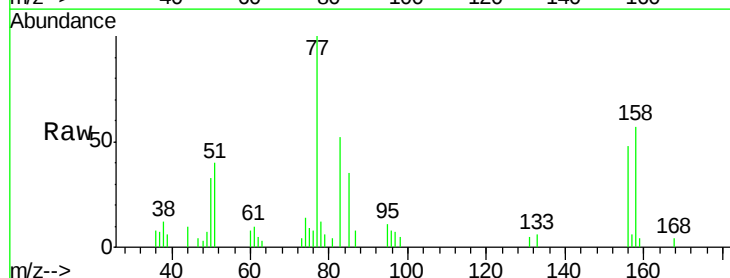
Tgt Ion: 83 Resp: 3260

Ion Ratio Lower Upper

83 100

131 6.9 7.0 10.6#

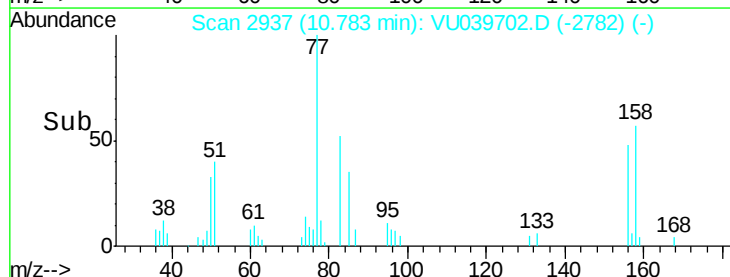
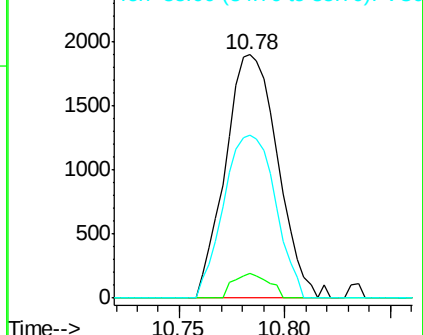
85 66.1 50.6 75.8

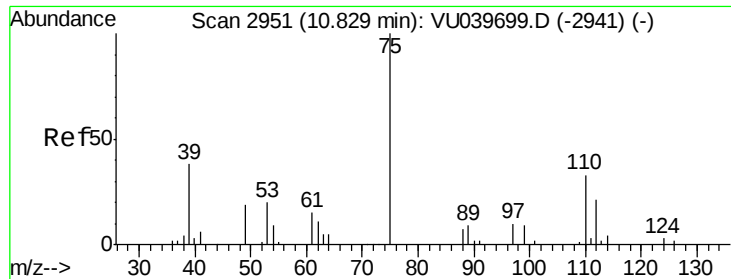


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0





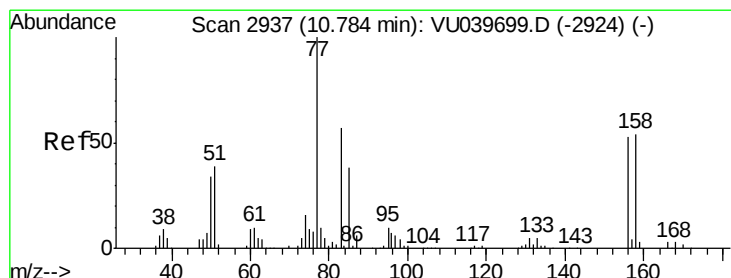
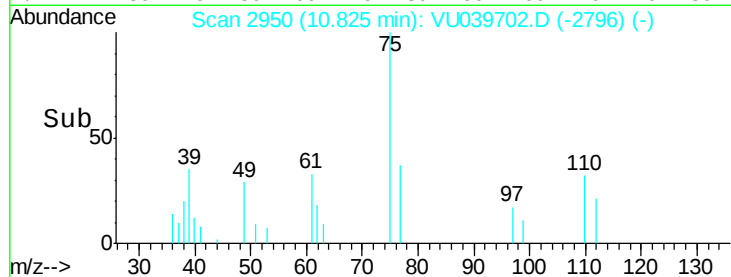
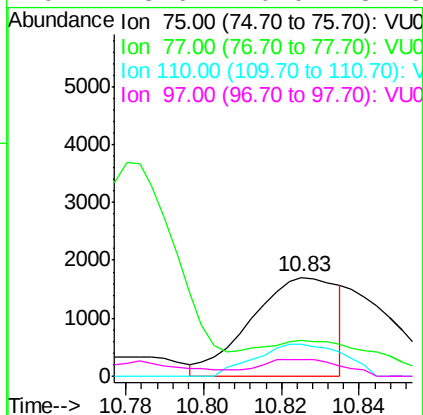
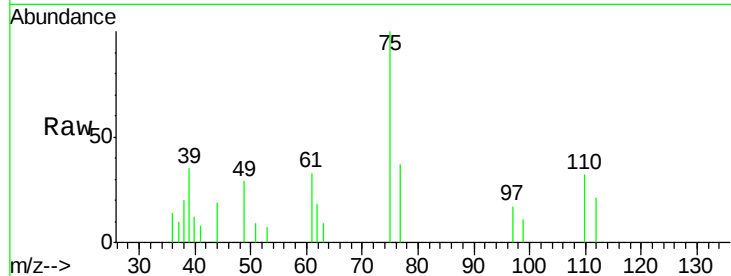
#71
1,2,3-Trichloropropane
Concen: 0.596 ug/l m
RT: 10.83 min Scan# 2950
Delta R.T. -0.00 min
Lab File: VU039702.D
Acq: 29 Jul 2020 14:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion:	75	Resp:	2640
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	91.0
110	33.2	0.0	64.2
97	15.6	0.0	32.6

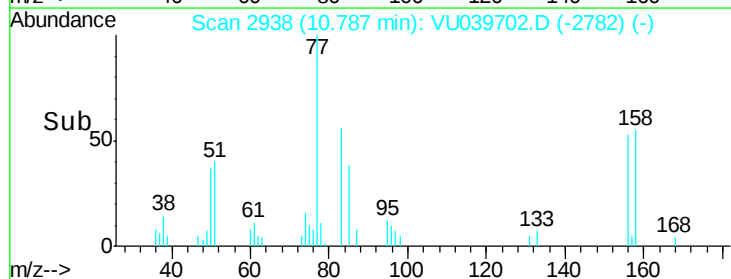
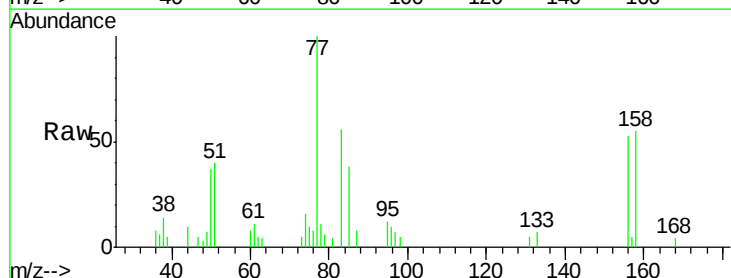
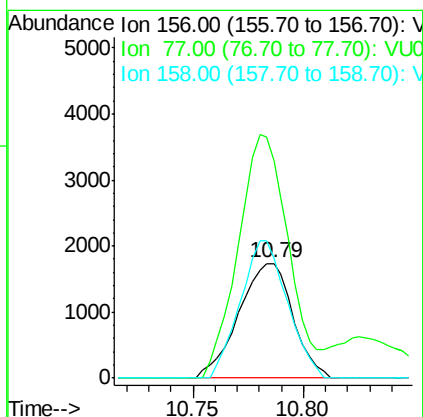
Manual Integrations
APPROVED

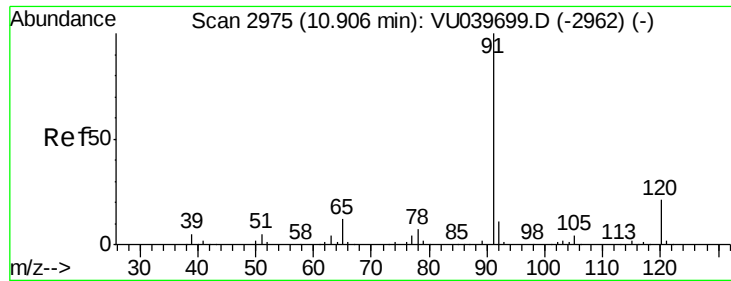
MMDadoda
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#72
Bromobenzene
Concen: 0.459 ug/l
RT: 10.79 min Scan# 2938
Delta R.T. 0.00 min
Lab File: VU039702.D
Acq: 29 Jul 2020 14:02

Tgt Ion:	156	Resp:	2950
Ion	Ratio	Lower	Upper
156	100		
77	199.5	0.0	385.2
158	104.9	0.0	200.8





#73

n-propylbenzene

Concen: 0.434 ug/l

RT: 10.91 min Scan# 2975

Delta R.T. -0.00 min

Lab File: VU039702.D

Acq: 29 Jul 2020 14:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion:120 Resp: 3450

Ion Ratio Lower Upper

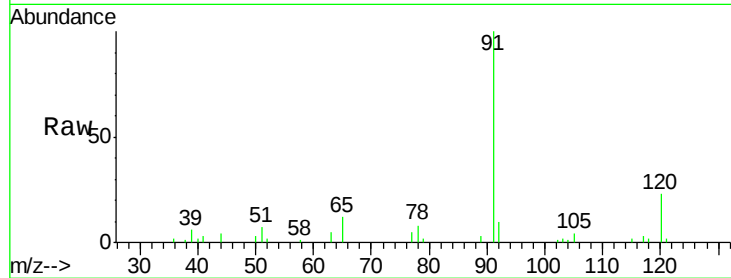
120 100

91 454.4 371.7 557.5

Manual Integrations
APPROVED

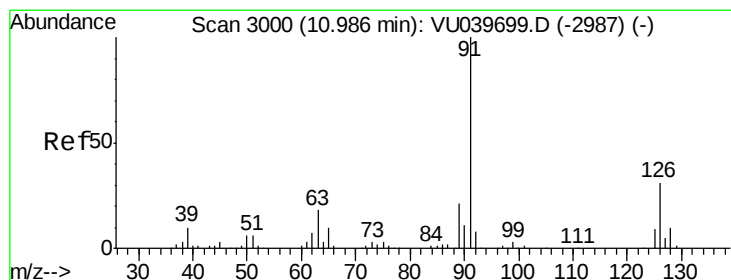
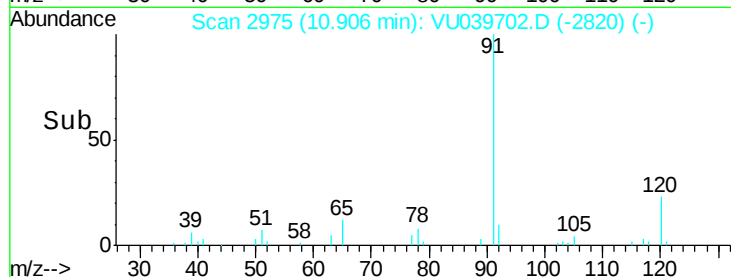
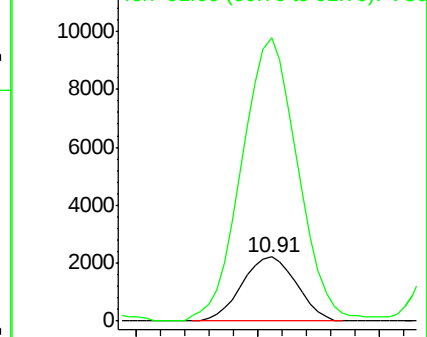
MMDadoda

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Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 0.470 ug/l

RT: 10.98 min Scan# 2999

Delta R.T. -0.00 min

Lab File: VU039702.D

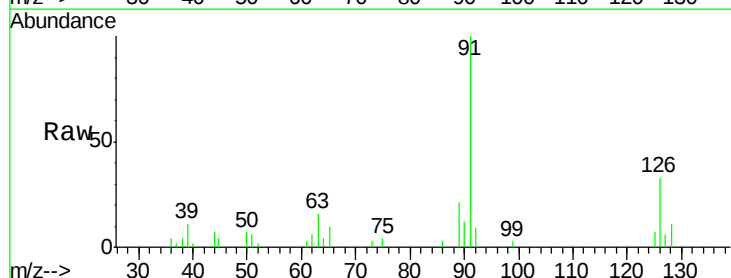
Acq: 29 Jul 2020 14:02

Tgt Ion:126 Resp: 3140

Ion Ratio Lower Upper

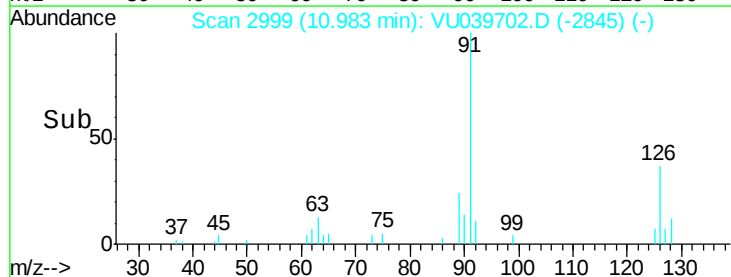
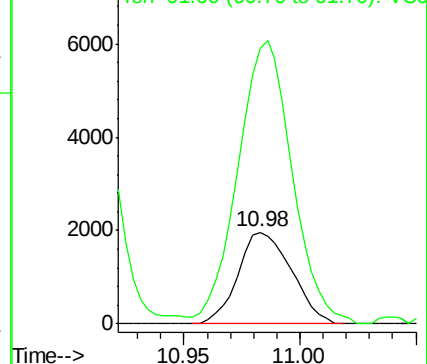
126 100

91 314.9 0.0 637.0



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#75

1,3,5-Trimethylbenzene

Concen: 0.401 ug/l

RT: 11.09 min Scan# 3032

Delta R.T. 0.00 min

Lab File: VU039702.D

Acq: 29 Jul 2020 14:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion:105 Resp: 9726

Ion Ratio Lower Upper

105 100

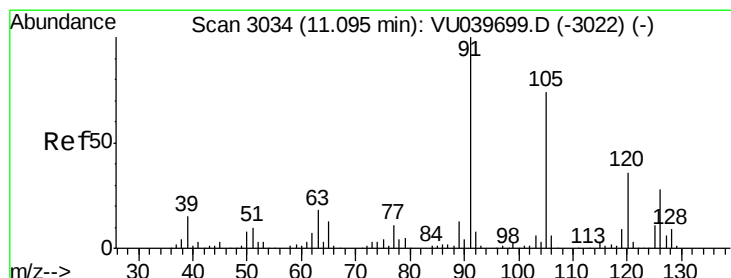
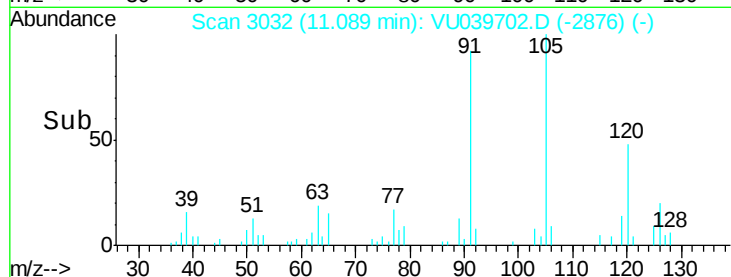
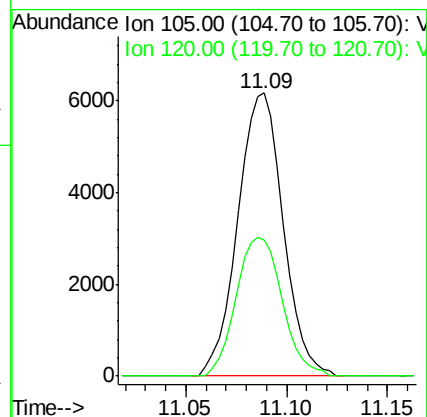
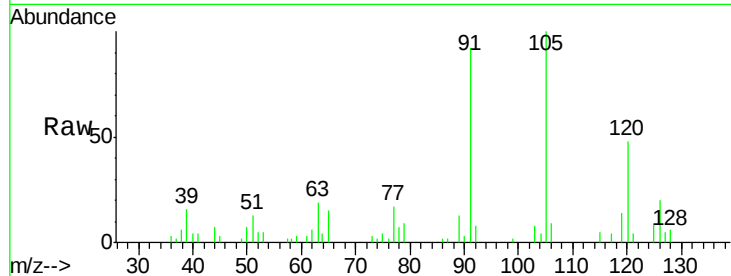
120 49.9 38.0 57.0

Manual Integrations

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#76

4-Chlorotoluene

Concen: 0.426 ug/l

RT: 11.10 min Scan# 3035

Delta R.T. 0.00 min

Lab File: VU039702.D

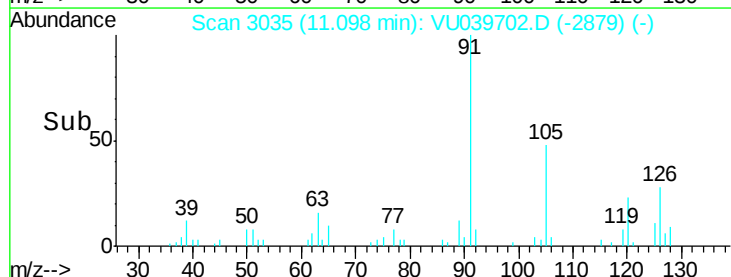
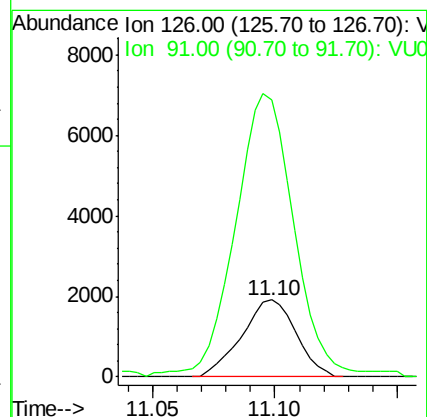
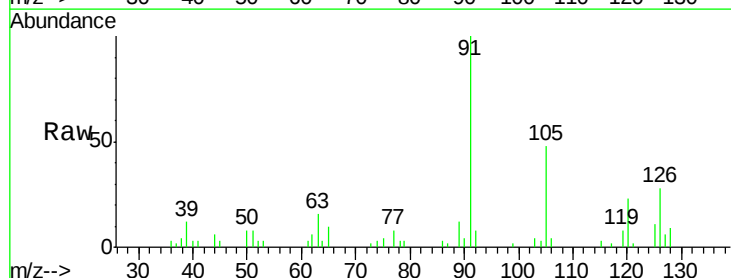
Acq: 29 Jul 2020 14:02

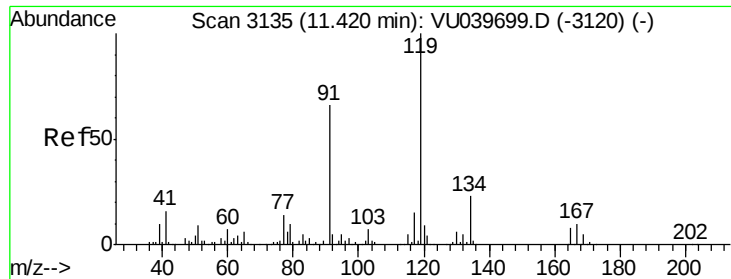
Tgt Ion:126 Resp: 2959

Ion Ratio Lower Upper

126 100

91 399.9 0.0 732.2





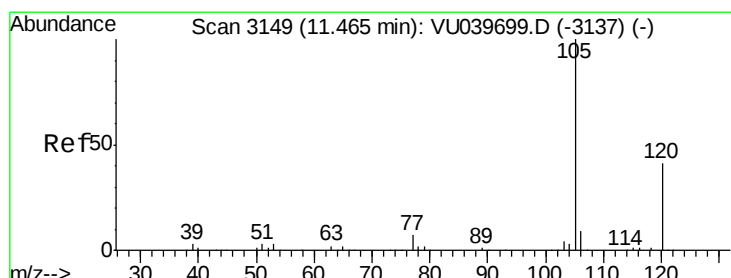
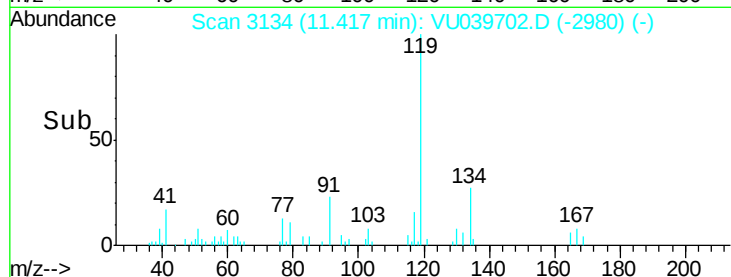
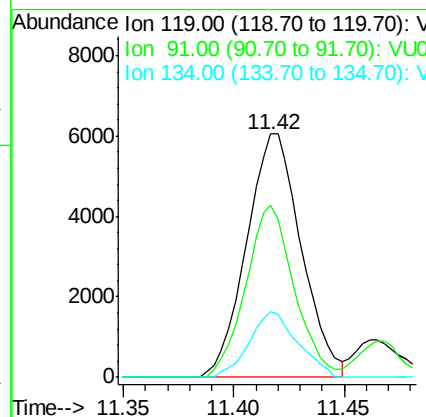
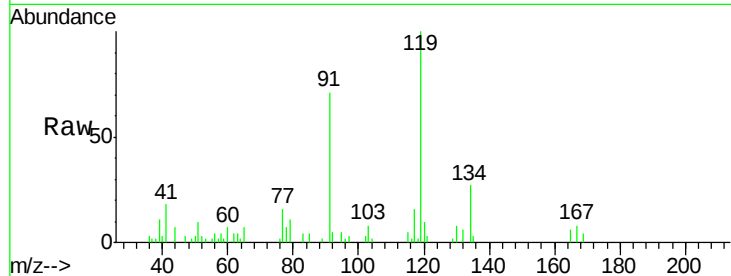
#77
 tert-Butylbenzene
 Concen: 0.453 ug/l
 RT: 11.42 min Scan# 3134
 Delta R.T. -0.00 min
 Lab File: VU039702.D
 Acq: 29 Jul 2020 14:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.5	31.9	95.5
134	23.8	18.2	27.4

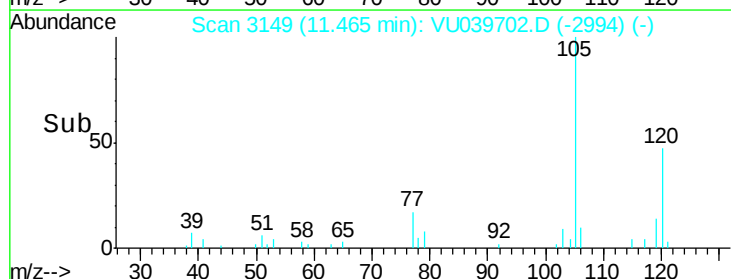
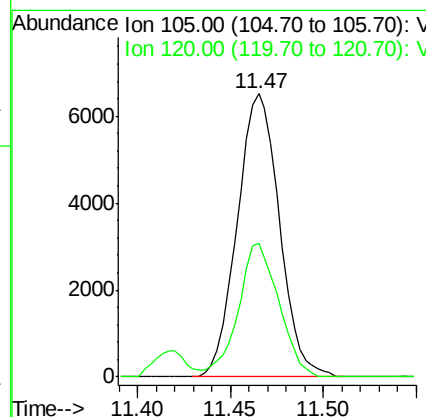
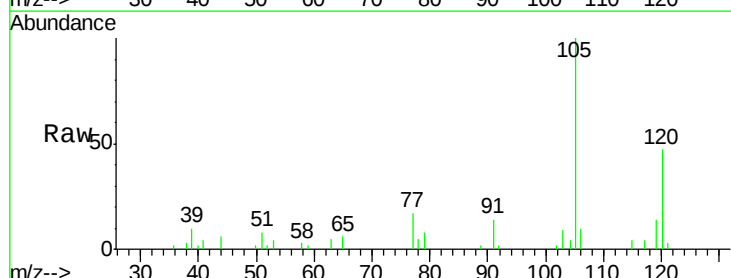
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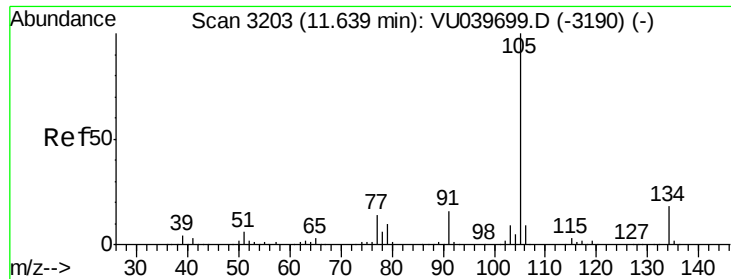
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#78
 1,2,4-Trimethylbenzene
 Concen: 0.412 ug/l
 RT: 11.47 min Scan# 3149
 Delta R.T. -0.00 min
 Lab File: VU039702.D
 Acq: 29 Jul 2020 14:02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	22.7	68.0





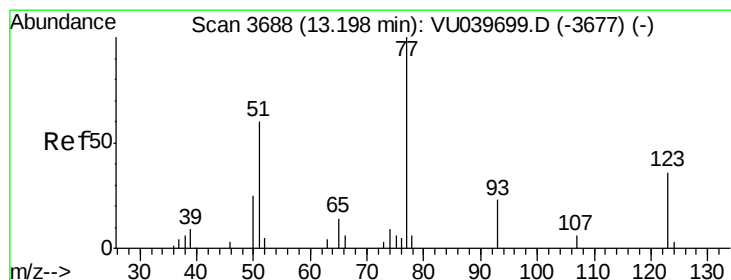
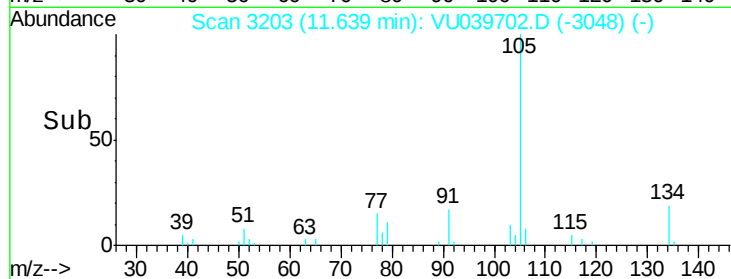
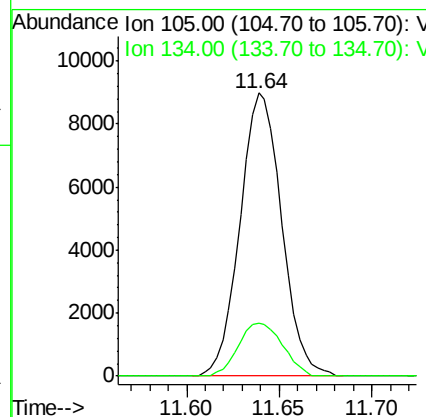
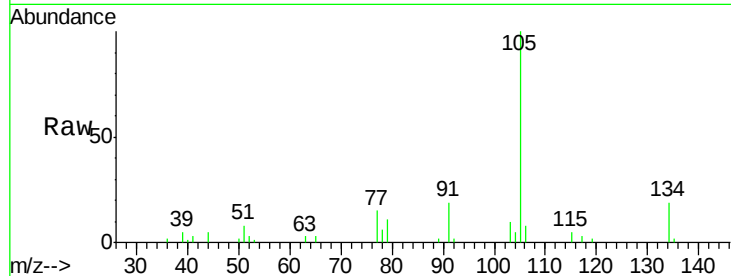
#79
 sec-Butylbenzene
 Concen: 0.426 ug/l
 RT: 11.64 min Scan# 3203
 Delta R.T. -0.00 min
 Lab File: VU039702.D
 Acq: 29 Jul 2020 14:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion: 105 Resp: 14032
 Ion Ratio Lower Upper
 105 100
 134 19.8 14.8 22.2

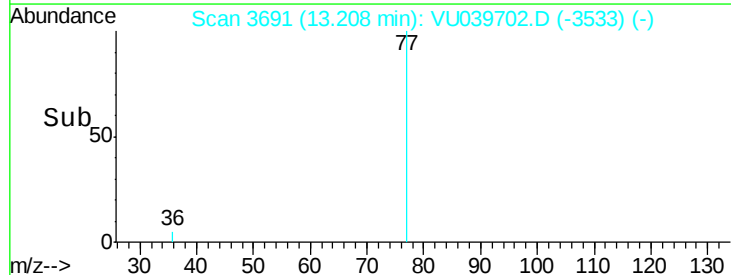
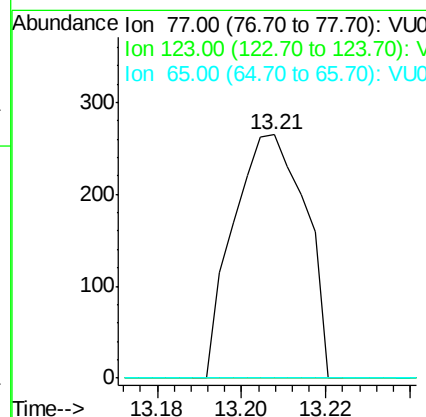
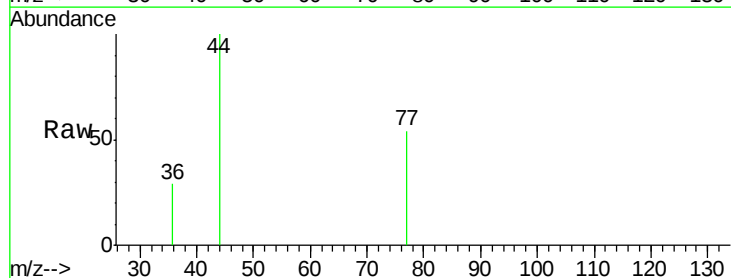
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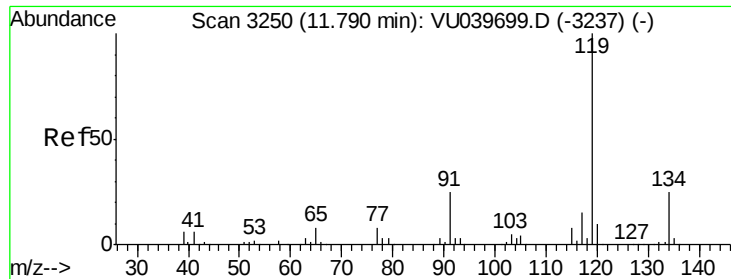
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#80
 Nitrobenzene
 Concen: 1.962 ug/l
 RT: 13.21 min Scan# 3691
 Delta R.T. 0.01 min
 Lab File: VU039702.D
 Acq: 29 Jul 2020 14:02

Tgt Ion: 77 Resp: 313
 Ion Ratio Lower Upper
 77 100
 123 0.0 16.9 59.9#
 65 0.0 14.4 18.4#





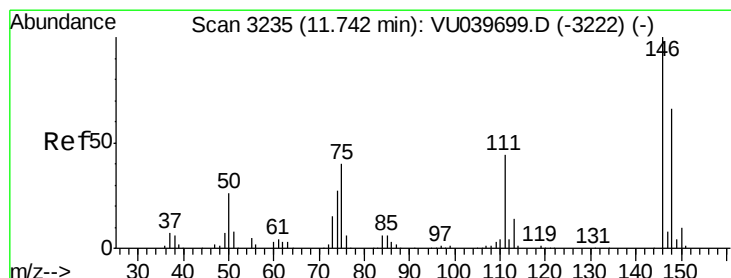
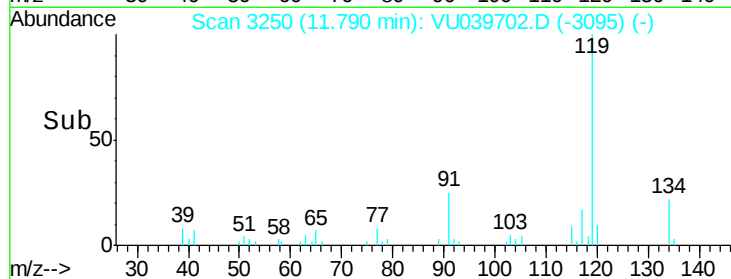
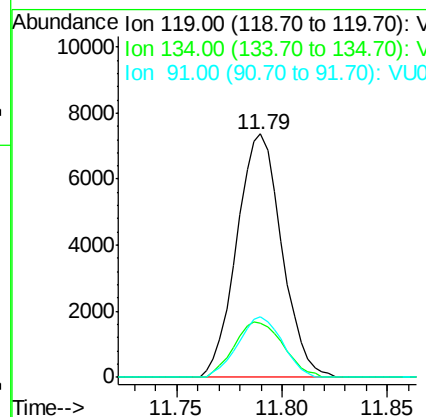
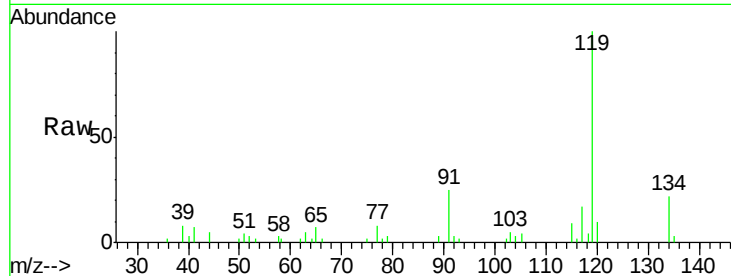
#81
 p-Isopropyltoluene
 Concen: 0.410 ug/l
 RT: 11.79 min Scan# 3250
 Delta R.T. -0.00 min
 Lab File: VU039702.D
 Acq: 29 Jul 2020 14:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
119	100		
134	24.8	20.2	30.4
91	24.5	20.7	31.1

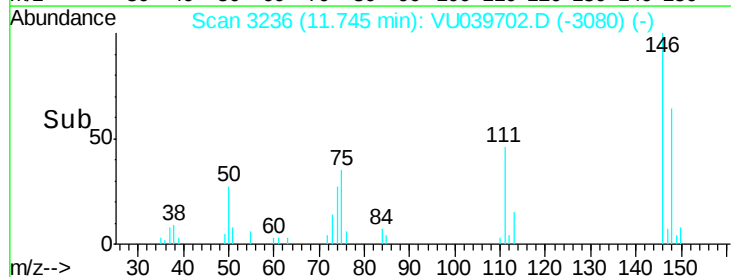
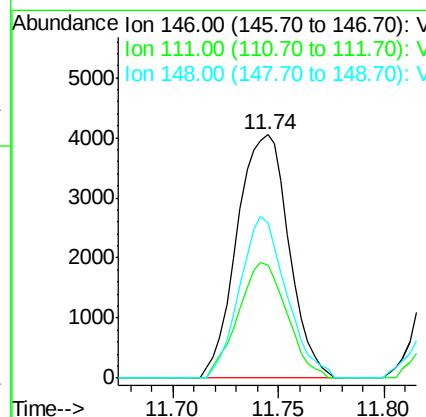
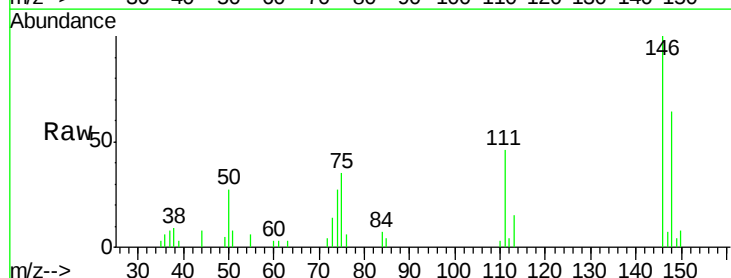
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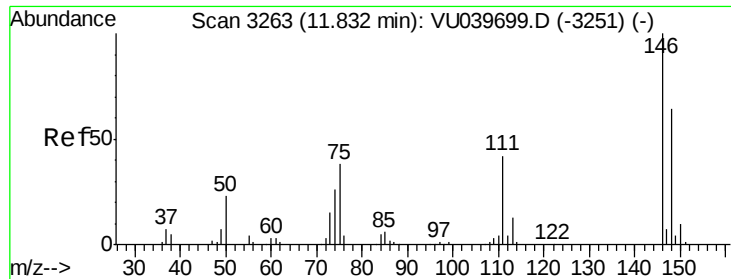
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#82
 1,3-Dichlorobenzene
 Concen: 0.515 ug/l
 RT: 11.74 min Scan# 3236
 Delta R.T. 0.00 min
 Lab File: VU039702.D
 Acq: 29 Jul 2020 14:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.5	34.5	51.7
148	59.8	51.4	77.0





#83

1,4-Dichlorobenzene

Concen: 0.502 ug/l

RT: 11.83 min Scan# 3263

Delta R.T. -0.00 min

Lab File: VU039702.D

Acq: 29 Jul 2020 14:02

Instrument :

MSVOA_U

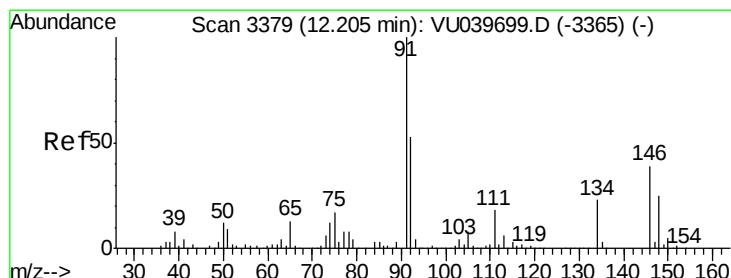
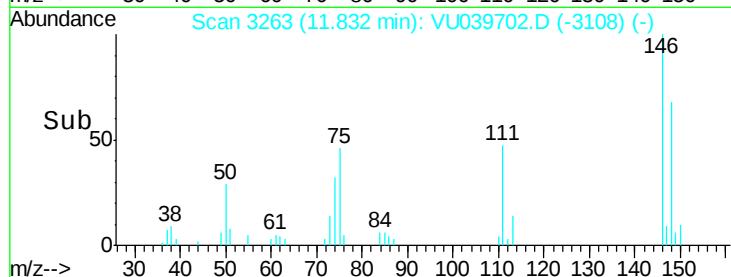
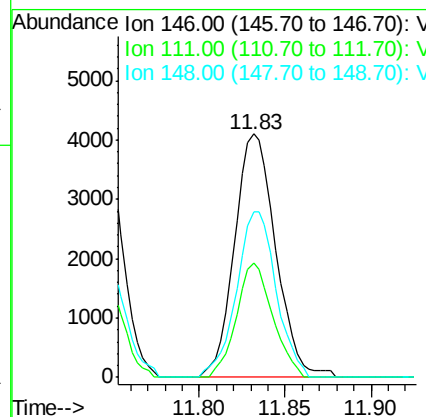
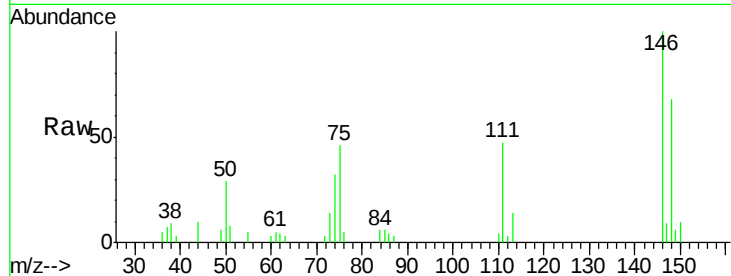
ClientSampled :

VSTDIC0.5

Tot Ion:	146	Resp:	6818
Ion Ratio	Lower	Upper	
146	100		
111	41.4	33.8	50.6
148	65.7	51.1	76.7

Manual Integrations
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#84

n-Butylbenzene

Concen: 0.465 ug/l

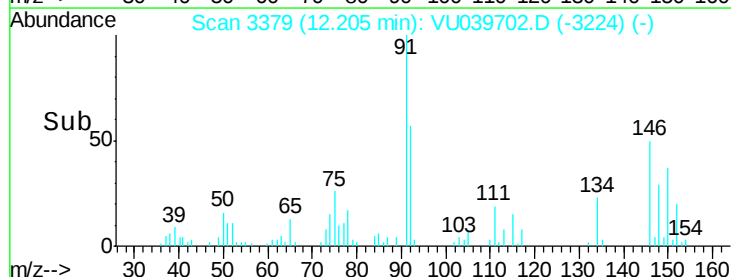
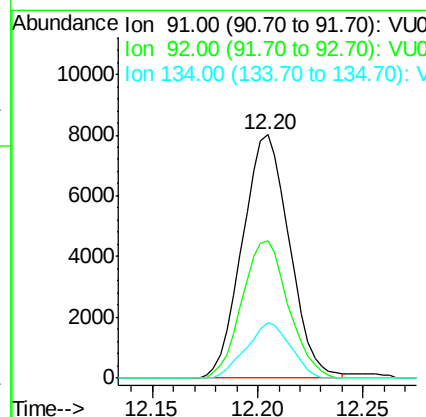
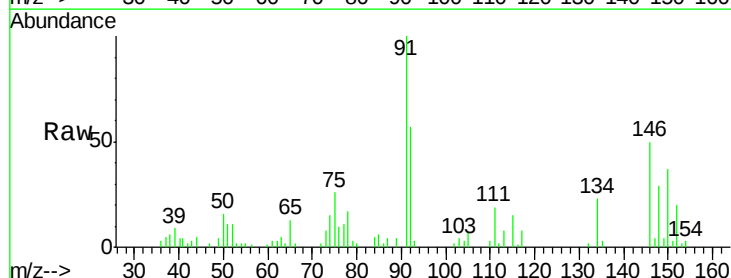
RT: 12.20 min Scan# 3379

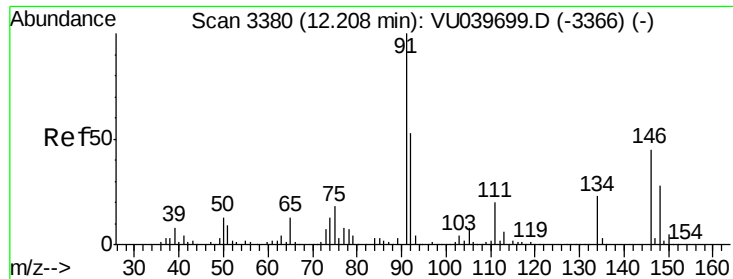
Delta R.T. -0.00 min

Lab File: VU039702.D

Acq: 29 Jul 2020 14:02

Tgt Ion:	91	Resp:	12432
Ion Ratio	Lower	Upper	
91	100		
92	55.6	42.6	64.0
134	21.4	18.2	27.4





#85

1,2-Dichlorobenzene

Concen: 0.516 ug/l

RT: 12.21 min Scan# 3380

Delta R.T. -0.00 min

Lab File: VU039702.D

Acq: 29 Jul 2020 14:02

Instrument :

MSVOA_U

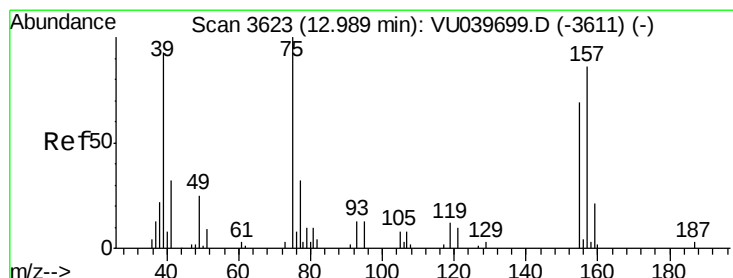
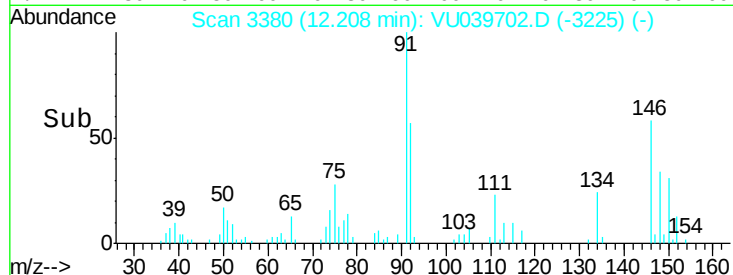
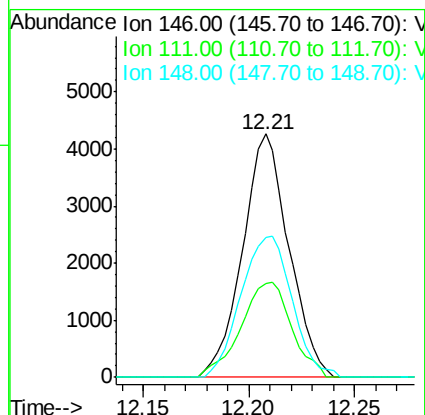
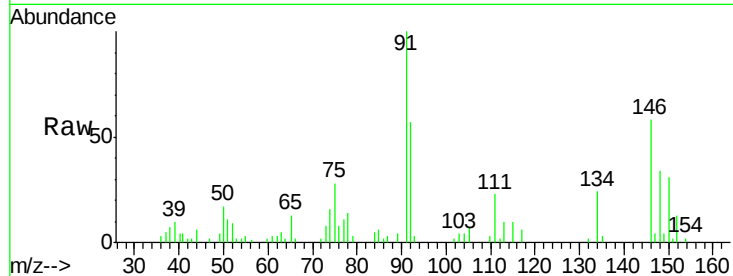
ClientSampleId :

VSTDIC0.5

Tot Ion:	146	Resp:	6494
Ion Ratio	Lower	Upper	
146	100		
111	42.8	22.8	68.3
148	64.1	31.7	95.1

Manual Integrations
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#86

1,2-Dibromo-3-Chloropropane

Concen: 0.488 ug/l

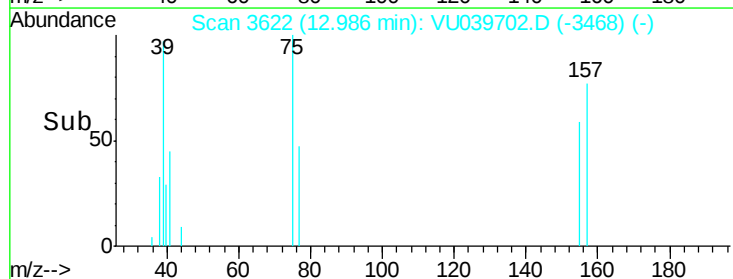
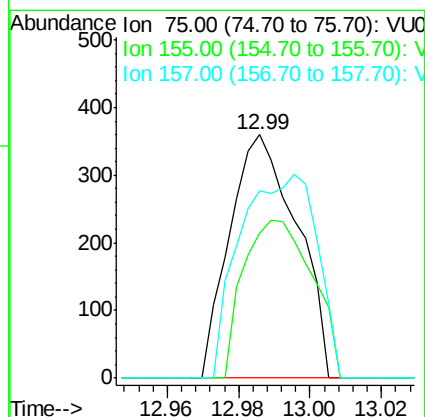
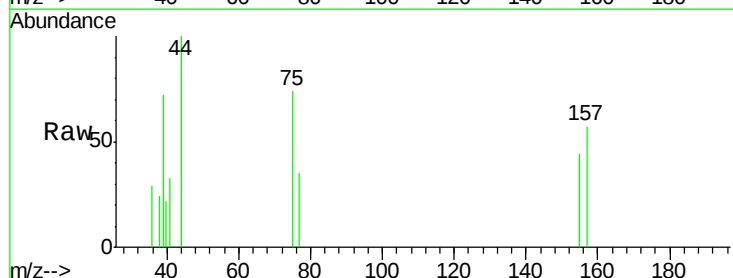
RT: 12.99 min Scan# 3622

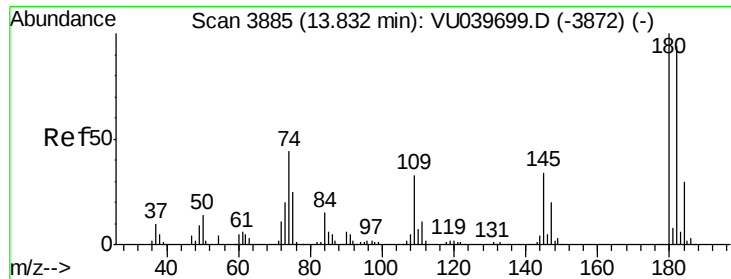
Delta R.T. -0.00 min

Lab File: VU039702.D

Acq: 29 Jul 2020 14:02

Tgt Ion:	75	Resp:	466
Ion Ratio	Lower	Upper	
75	100		
155	66.7	52.9	79.3
157	96.1	67.8	101.6





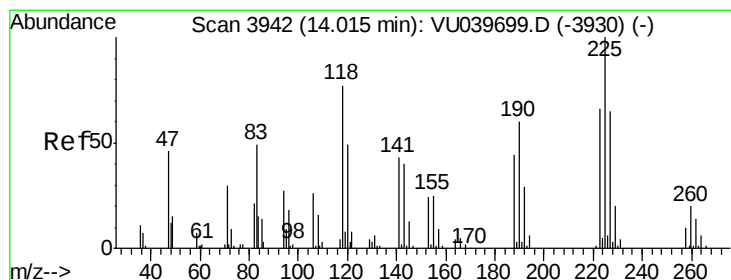
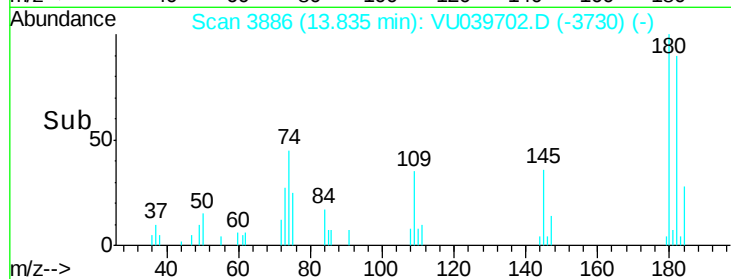
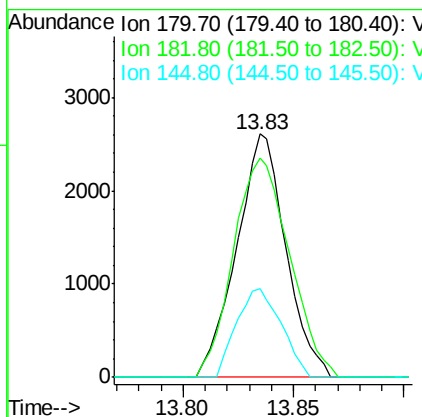
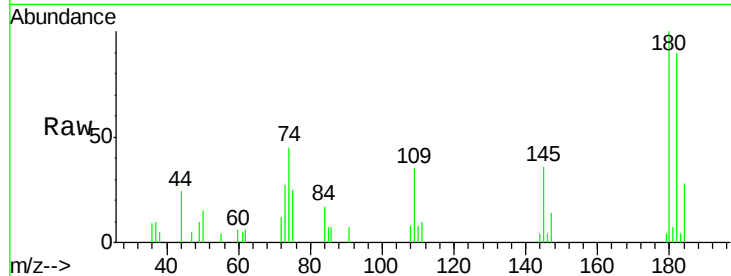
#87
 1,2,4-Trichlorobenzene
 Concen: 0.449 ug/l
 RT: 13.83 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VU039702.D
 Acq: 29 Jul 2020 14:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
180	100		
182	102.7	76.2	114.4
145	33.0	26.8	40.2

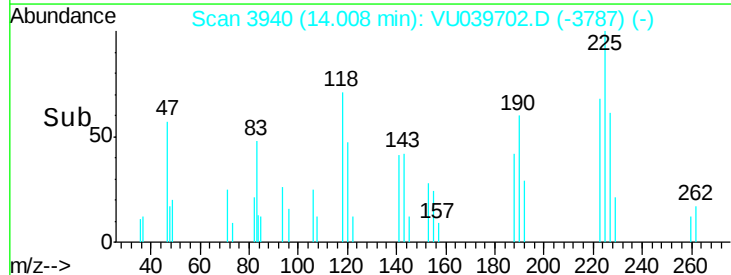
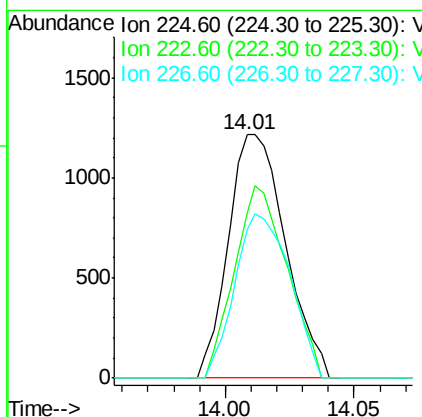
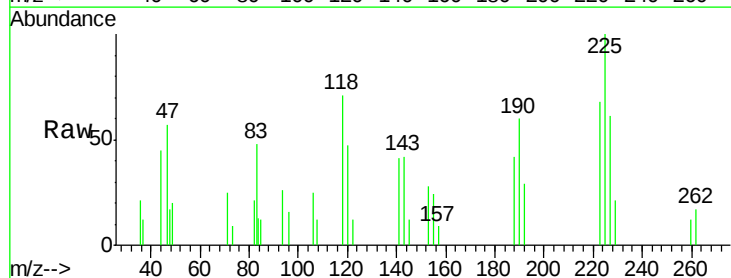
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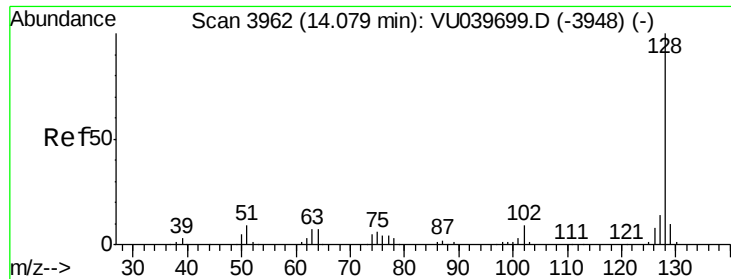
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#88
 Hexachlorobutadiene
 Concen: 0.471 ug/l
 RT: 14.01 min Scan# 3940
 Delta R.T. -0.01 min
 Lab File: VU039702.D
 Acq: 29 Jul 2020 14:02

Tgt Ion	Ratio	Lower	Upper
225	100		
223	72.3	52.4	78.6
227	65.2	50.7	76.1





#89

Naphthalene

Concen: 0.492 ug/l

RT: 14.08 min Scan# 3963

Delta R.T. 0.00 min

Lab File: VU039702.D

Acq: 29 Jul 2020 14:02

Instrument :

MSVOA_U

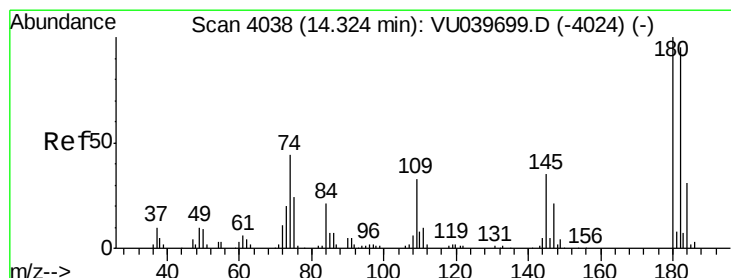
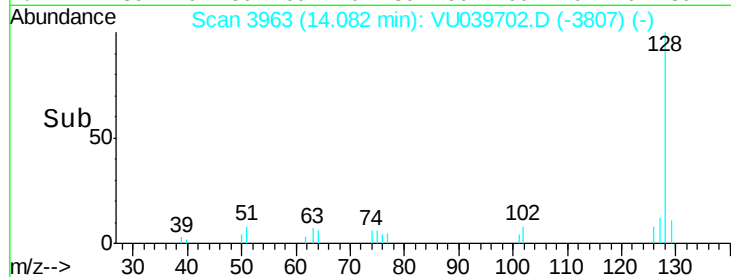
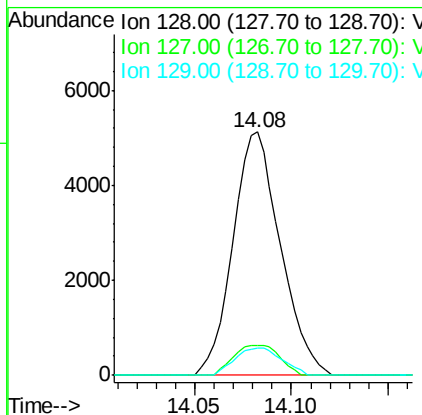
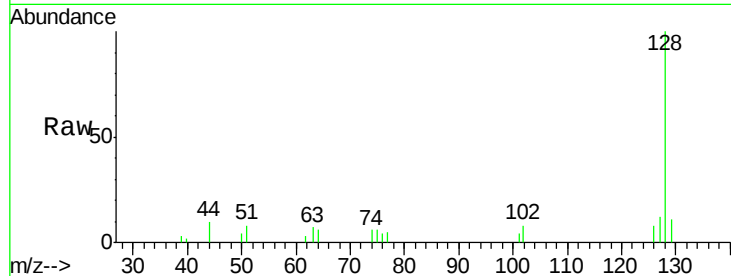
ClientSampleId :

VSTDIC0.5

Tot Ion:	128	Resp:	8734
Ion	Ratio	Lower	Upper
128	100		
127	12.0	11.0	16.4
129	11.1	8.4	12.6

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#90

1,2,3-Trichlorobenzene

Concen: 0.469 ug/l

RT: 14.32 min Scan# 4038

Delta R.T. -0.00 min

Lab File: VU039702.D

Acq: 29 Jul 2020 14:02

Tgt Ion:	180	Resp:	3788
Ion	Ratio	Lower	Upper
180	100		
182	97.0	76.0	114.0
145	31.7	27.8	41.6

