

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU030920\
 Data File : VU037132.D
 Acq On : 09 Mar 2020 13:53
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

Quant Time: Mar 09 15:42:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U030920DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Mar 09 15:28:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	6.15	96	16775	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.65	95	6402	1.01	ug/l	0.00
Spiked Amount	1.000		Recovery	=	101.00%	
68) 1,2-Dichlorobenzene-d4	12.21	152	6677	1.03	ug/l	0.00
Spiked Amount	1.000		Recovery	=	103.00%	

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Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	40366	7.280	ug/l 100
3) Chloromethane	1.54	50	39034	6.566	ug/l 97
4) Vinyl Chloride	1.62	62	34596	5.138	ug/l 98
5) Bromomethane	1.87	94	11601	2.773	ug/l 98
6) Chloroethane	1.95	64	16131	4.044	ug/l 99
7) Trichlorofluoromethane	2.16	101	42662	6.413	ug/l 98
8) 1,1,2-Trichloro-1,2,2-trif	2.60	101	20852	5.032	ug/l 93
9) 1,1-Dichloroethene	2.60	96	18693	4.237	ug/l 75
10) Iodomethane	2.75	142	8888	1.878	ug/l # 77
11) Allyl Chloride	2.95	41	36357	5.961	ug/l # 62
12) Acrylonitrile	3.36	53	9633	8.903	ug/l 94
13) Acetone	2.66	43	23917	27.116	ug/l # 83
14) Carbon Disulfide	2.82	76	63810	4.177	ug/l 99
15) Methylene Chloride	3.07	84	21425	3.688	ug/l # 74
16) trans-1,2-Dichloroethene	3.38	96	20439	4.200	ug/l 87
17) 1,1-Dichloroethane	3.91	63	47248	5.958	ug/l 97
18) 2-Butanone	4.77	43	37384	32.183	ug/l 98
19) Cyclohexane	5.42	56	39999m	5.519	ug/l
20) Methylcyclohexane	6.79	83	39227	4.847	ug/l # 87
21) 2,2-Dichloropropane	4.71	77	42691	6.306	ug/l 94
22) cis-1,2-Dichloroethene	4.71	96	26294	5.208	ug/l 84
23) Diethyl Ether	2.40	59	15646	4.592	ug/l # 85
24) tert-Butyl Alcohol	3.25	59	17812	58.488	ug/l 97
25) Methyl tert-Butyl Ether	3.41	73	56024	4.847	ug/l # 70
26) Bromochloromethane	5.02	128	11427	5.226	ug/l 82
27) Chloroform	5.13	83	49462	6.306	ug/l 100
28) 1,1,1-Trichloroethane	5.35	97	44116	6.708	ug/l 97
29) 1,1-Dichloropropene	5.56	75	37140	5.786	ug/l 96
30) Carbon Tetrachloride	5.56	117	38733	6.878	ug/l 99
31) Isopropyl Ether	4.05	45	75239	6.251	ug/l 85
32) Ethyl-t-butyl ether	4.56	59	71189	5.652	ug/l 94
33) Tert-Amyl methyl ether	5.99	73	62167	5.391	ug/l 100
34) Propionitrile	4.84	54	10342	30.887	ug/l # 88
35) Benzene	5.81	78	101860	5.480	ug/l 98
36) 1,2-Dichloroethane	5.84	62	36400	7.275	ug/l # 92
37) Trichloroethene	6.57	130	26296	5.124	ug/l 95
38) 1,2-Dichloropropane	6.82	63	27651	5.917	ug/l 98
39) Methacrylonitrile	5.03	41	9710	6.900	ug/l # 84
40) Methyl acrylate	4.90	55	13861	6.215	ug/l # 93
41) Tetrahydrofuran	5.11	42	9796	12.777	ug/l # 85
42) 1-Chlorobutane	5.49	56	51375	6.178	ug/l 80

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 Sample : VSTDIC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

Quant Time: Mar 09 15:42:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U030920DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Mar 09 15:28:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.95	93	14511	5.949	ug/l	91
44) Bromodichloromethane	7.14	83	37197	6.447	ug/l	97
45) 4-Methyl-2-Pentanone	7.83	43	95664	34.810	ug/l #	86
46) t-1,4-Dichloro-2-butene	10.86	75	10714m	8.852	ug/l	
47) Methyl methacrylate	7.00	69	24200	10.124	ug/l #	60
48) Ethyl methacrylate	8.36	69	23619	5.116	ug/l	70
49) Toluene	8.00	92	62087	5.233	ug/l	100sam
50) t-1,3-Dichloropropene	8.24	75	33865	5.890	ug/l	99
51) cis-1,3-Dichloropropene	7.64	75	38558	5.534	ug/l #	82
52) 1,1,2-Trichloroethane	8.43	97	19379	5.599	ug/l	98
53) 1,3-Dichloropropane	8.60	76	33100	5.580	ug/l	98
54) 2-Hexanone	8.72	43	66155	34.325	ug/l	85
55) Dibromochloromethane	8.83	129	23812	5.976	ug/l	98
56) 1,2-Dibromoethane	8.95	107	18228	5.470	ug/l	97
58) Tetrachloroethene	8.58	164	24226	4.723	ug/l	97
59) Chlorobenzene	9.47	112	66833	5.057	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.56	131	25467	6.033	ug/l	95
61) Pentachloroethane	11.45	117	19290	7.083	ug/l	93
62) Hexachloroethane	12.49	117	20569	5.926	ug/l	82
63) Ethyl Benzene	9.59	91	118214	5.337	ug/l	94
64) m/p-Xylenes	9.71	106	91510	10.437	ug/l	89
65) o-Xylene	10.12	106	43574	5.132	ug/l	89
66) Styrene	10.13	104	74182	5.217	ug/l	94
67) Bromoform	10.31	173	13001	5.699	ug/l #	97
69) Isopropylbenzene	10.50	105	118886	5.330	ug/l	97
70) 1,1,2,2-Tetrachloroethane	10.80	83	25863	5.923	ug/l	97
71) 1,2,3-Trichloropropane	10.85	75	19490m	6.256	ug/l	
72) Bromobenzene	10.80	156	27640	5.144	ug/l	89
73) n-propylbenzene	10.92	120	31879	5.094	ug/l	75
74) 2-Chlorotoluene	11.01	126	28353	5.275	ug/l	85
75) 1,3,5-Trimethylbenzene	11.10	105	106424	5.563	ug/l	93
76) 4-Chlorotoluene	11.11	126	29783	5.363	ug/l	77
77) tert-Butylbenzene	11.44	119	100712	5.556	ug/l	92
78) 1,2,4-Trimethylbenzene	11.48	105	108662	5.509	ug/l	95
79) sec-Butylbenzene	11.66	105	137770	5.478	ug/l	98
80) Nitrobenzene	13.24	77	2332	37.217	ug/l #	85
81) p-Isopropyltoluene	11.81	119	113297	5.390	ug/l	94
82) 1,3-Dichlorobenzene	11.76	146	57712	5.368	ug/l	98
83) 1,4-Dichlorobenzene	11.85	146	57317	5.334	ug/l	97
84) n-Butylbenzene	12.22	91	106875	5.498	ug/l	95
85) 1,2-Dichlorobenzene	12.23	146	54712	5.318	ug/l	97
86) 1,2-Dibromo-3-Chloropropan	13.02	75	4294	5.810	ug/l	81
87) 1,2,4-Trichlorobenzene	13.87	180	30141	4.580	ug/l	99
88) Hexachlorobutadiene	14.05	225	17106	4.743	ug/l	99
89) Naphthalene	14.12	128	50720	4.474	ug/l	99
90) 1,2,3-Trichlorobenzene	14.37	180	28988	4.684	ug/l	99

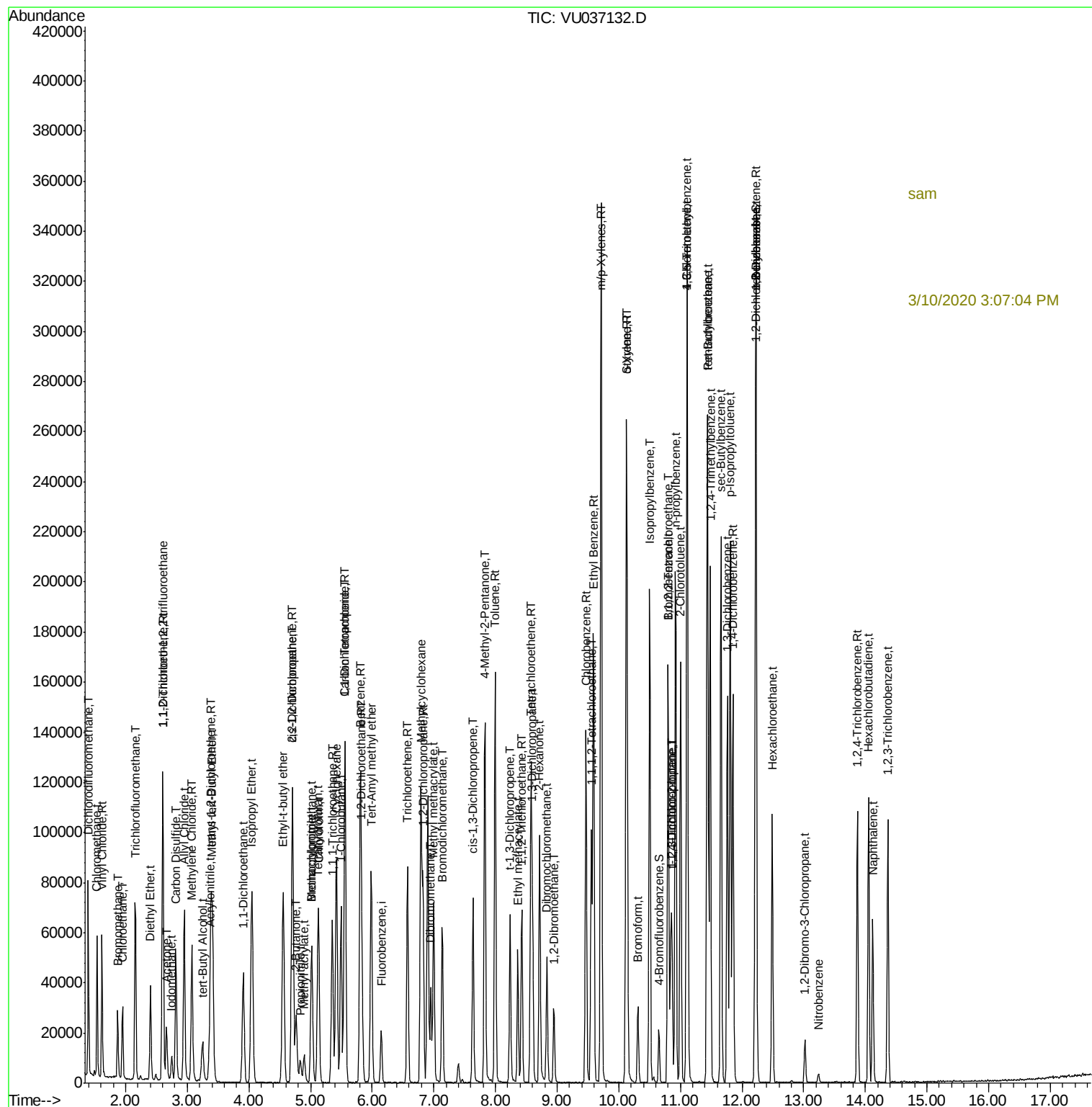
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VU037132.D
Acq On : 09 Mar 2020 13:53
Operator : JC/MD
Sample : VSTDIC005
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampled :
VSTDIC005

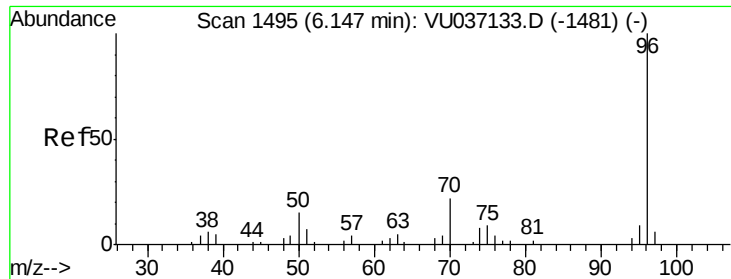
Manual Integrations
APPROVED

Quant Time: Mar 09 15:42:36 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA U\METHOD\524U030920DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Mon Mar 09 15:28:09 2020
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#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.15 min Scan# 1495

Delta R.T. -0.00 min

Lab File: VU037132.D

Acq: 09 Mar 2020 13:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 96 Resp: 16775

Ion Ratio Lower Upper

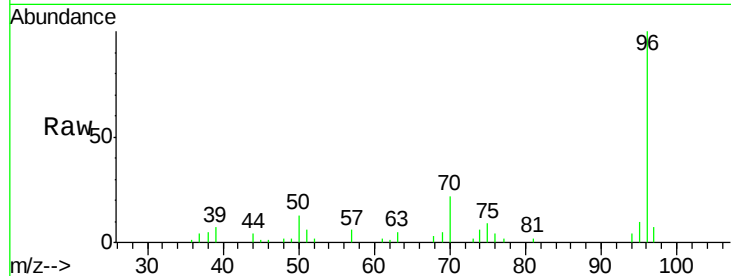
96 100

70 22.1 15.6 23.4

95 8.9 7.0 10.6

97 5.9 0.0 0.0#

Manual Integrations
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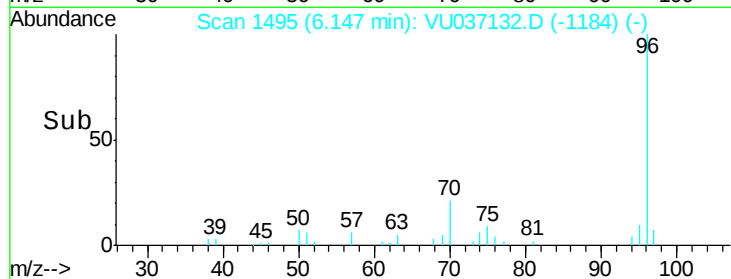
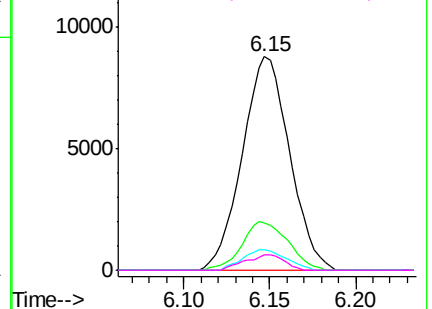


Abundance Ion 96.00 (95.70 to 96.70): VU037133.D (-1481) (-)

Ion 70.00 (69.70 to 70.70): VU037133.D (-1481) (-)

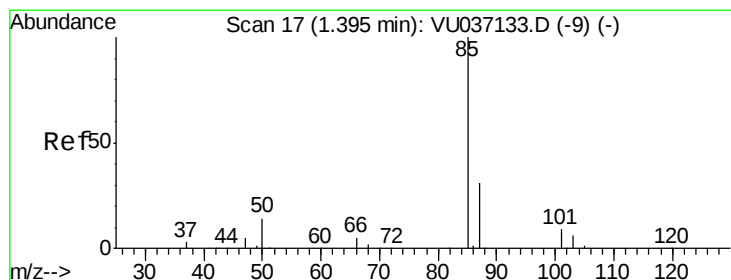
Ion 95.00 (94.70 to 95.70): VU037133.D (-1481) (-)

Ion 97.00 (96.70 to 97.70): VU037133.D (-1481) (-)



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#2

Dichlorodifluoromethane

Concen: 7.280 ug/l

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU037132.D

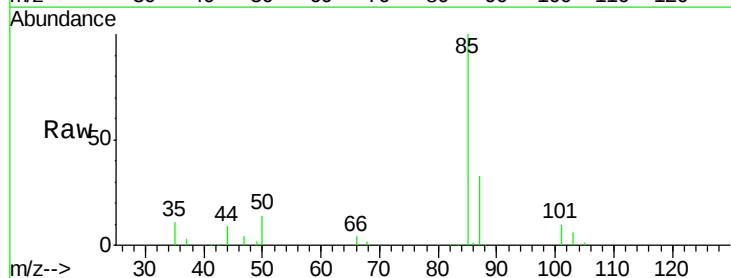
Acq: 09 Mar 2020 13:53

Tgt Ion: 85 Resp: 40366

Ion Ratio Lower Upper

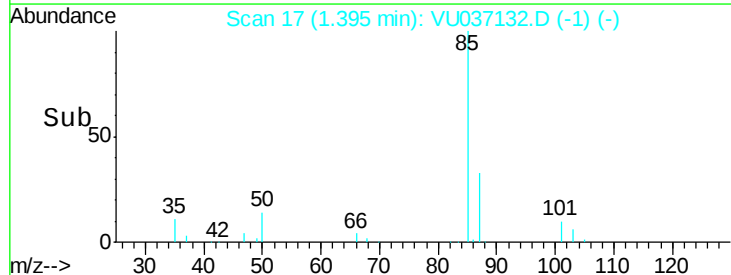
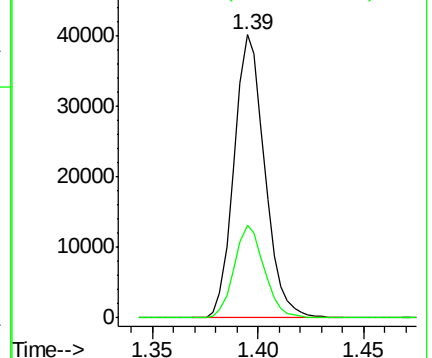
85 100

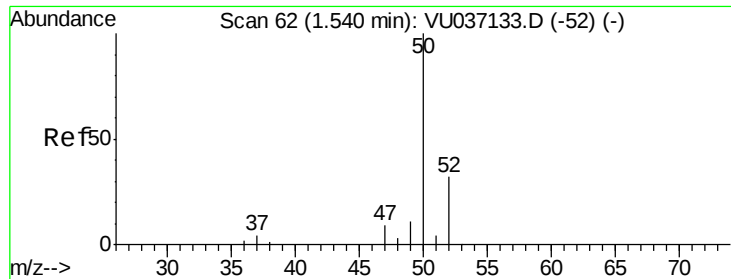
87 32.5 16.4 49.2



Abundance Ion 85.00 (84.70 to 85.70): VU037133.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU037133.D (-9) (-)





#3

Chloromethane

Concen: 6.566 ug/l

RT: 1.54 min Scan# 62

Delta R.T. -0.00 min

Lab File: VU037132.D

Acq: 09 Mar 2020 13:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

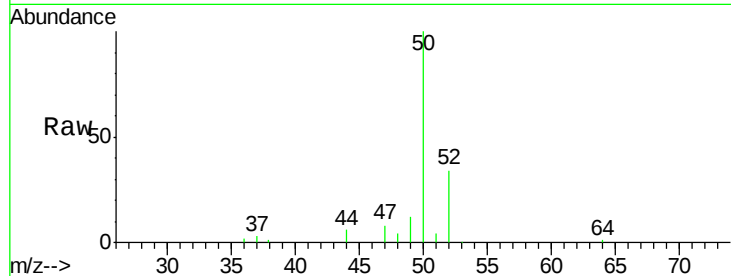
Tot Ion: 50 Resp: 39034

Ion Ratio Lower Upper

50 100

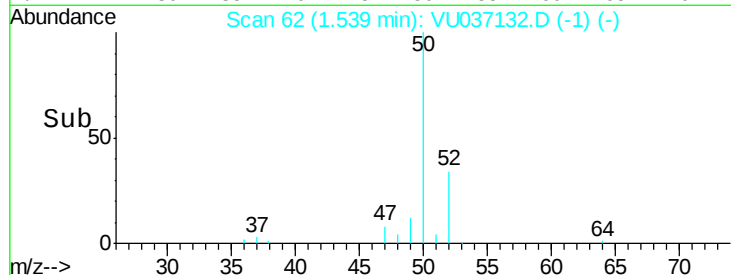
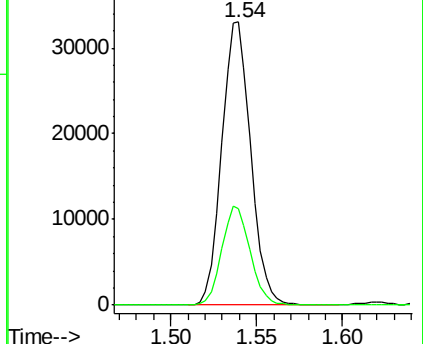
52 34.3 26.0 39.0

Manual Integrations
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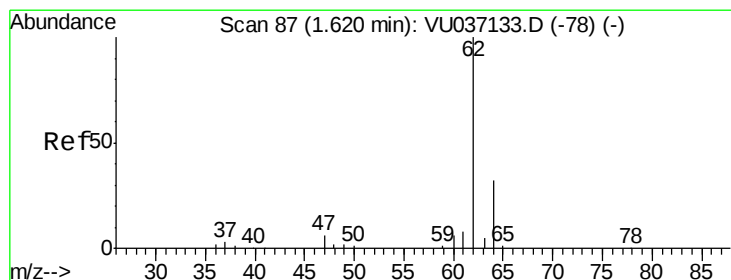
Abundance Ion 50.00 (49.70 to 50.70): VU037133.D (-52) (-)

Ion 52.00 (51.70 to 52.70): VU037133.D (-52) (-)



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#4

Vinyl Chloride

Concen: 5.138 ug/l

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU037132.D

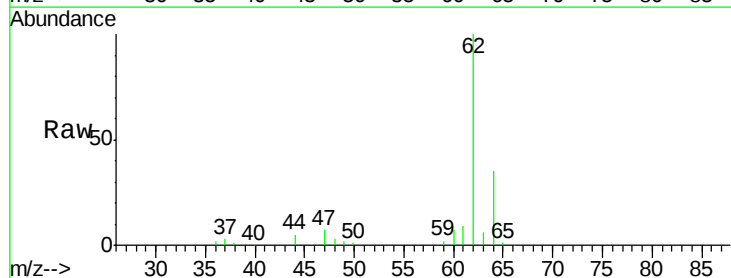
Acq: 09 Mar 2020 13:53

Tgt Ion: 62 Resp: 34596

Ion Ratio Lower Upper

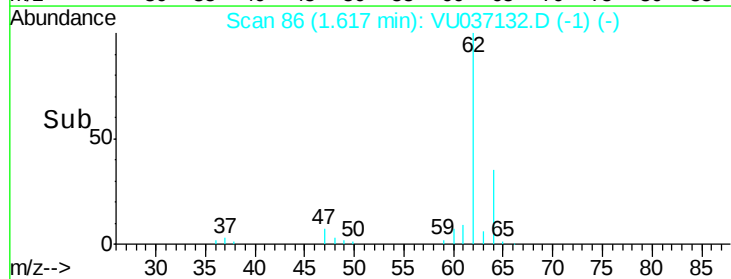
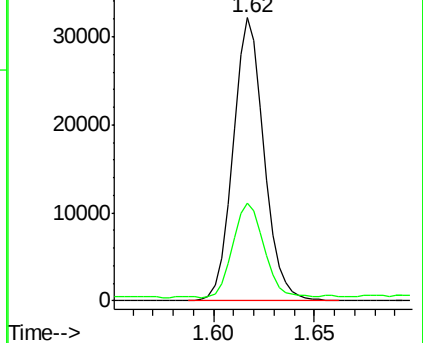
62 100

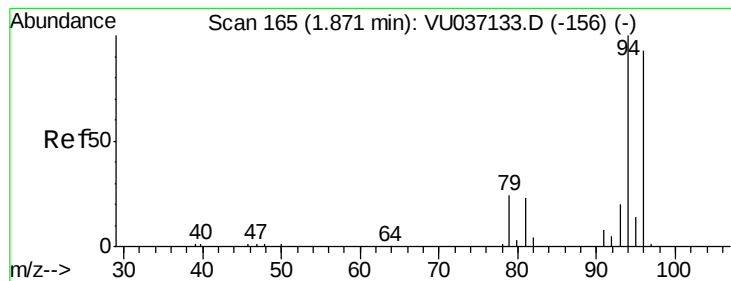
64 33.0 25.4 38.2



Abundance Ion 62.00 (61.70 to 62.70): VU037133.D (-78) (-)

Ion 64.00 (63.70 to 64.70): VU037133.D (-78) (-)





#5

Bromomethane

Concen: 2.773 ug/l

RT: 1.87 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU037132.D

Acq: 09 Mar 2020 13:53

Tot Ion: 94 Resp: 11601

Ion Ratio Lower Upper

94 100

96 91.3 74.6 112.0

Instrument :

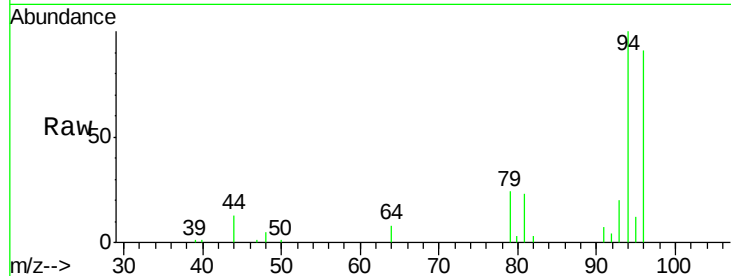
MSVOA_U

ClientSampleId :

VSTDIC005

Manual Integrations

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Abundance Ion 94.00 (93.70 to 94.70): VU037132.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU037132.D (-156) (-)

10000

8000

6000

4000

2000

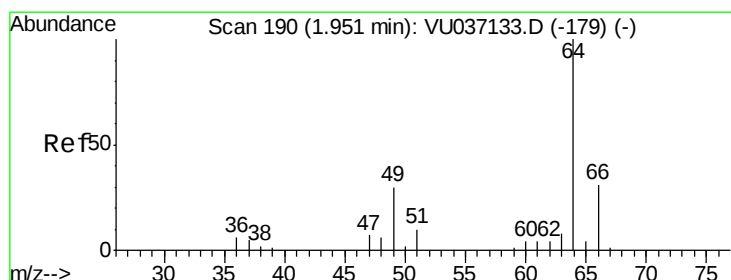
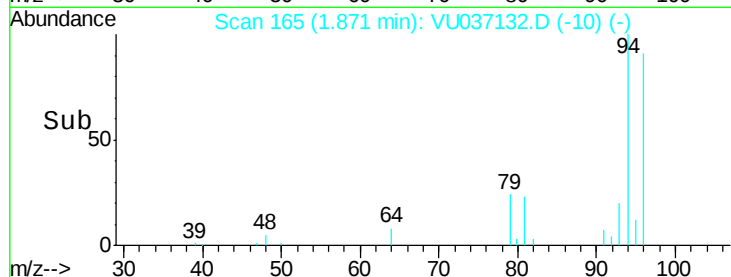
0

1.85

1.87

1.90

Time-->



#6

Chloroethane

Concen: 4.044 ug/l

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU037132.D

Acq: 09 Mar 2020 13:53

Tgt Ion: 64 Resp: 16131

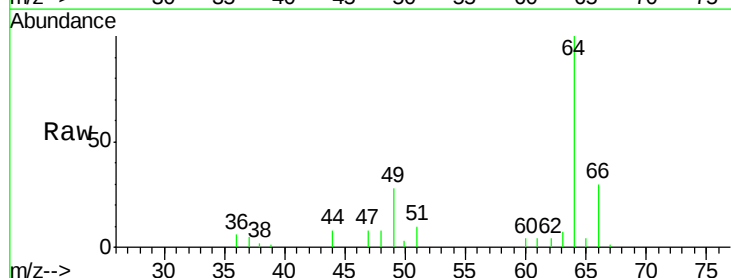
Ion Ratio Lower Upper

64 100

66 31.3 25.5 38.3

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Abundance Ion 64.00 (63.70 to 64.70): VU037132.D (-179) (-)

Ion 66.00 (65.70 to 66.70): VU037132.D (-179) (-)

15000

10000

5000

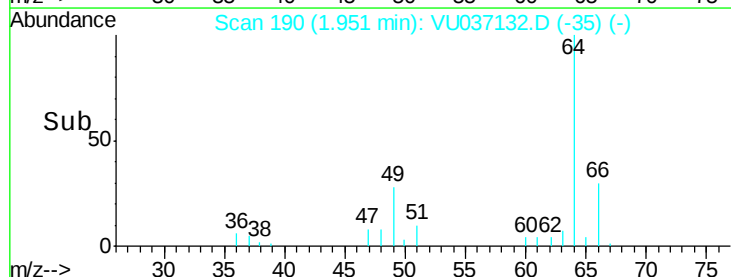
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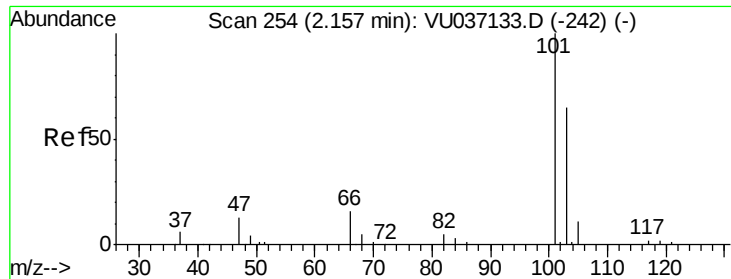
1.90

1.95

2.00

Time-->





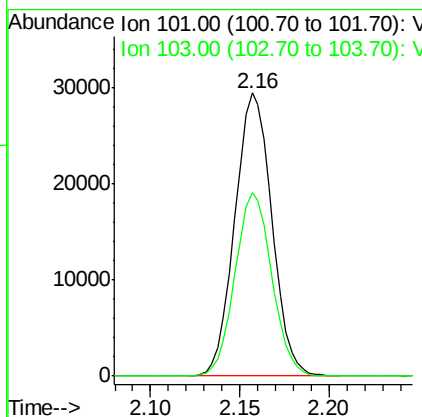
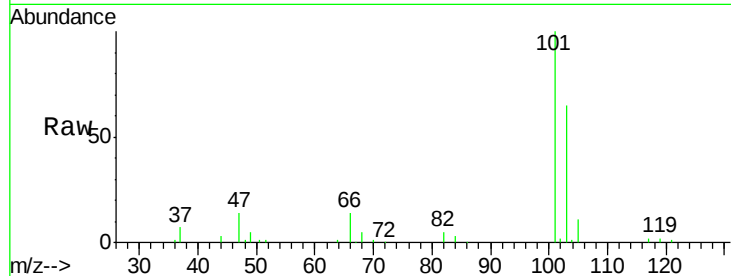
#7

Trichlorofluoromethane
Concen: 6.413 ug/l
RT: 2.16 min Scan# 254
Delta R.T. -0.00 min
Lab File: VU037132.D
Acq: 09 Mar 2020 13:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

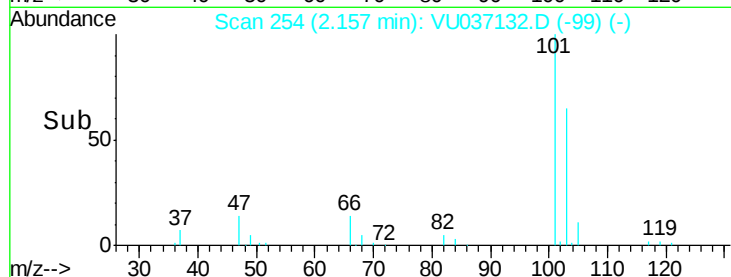
Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		42662		
103	64.7	53.0	79.6		

Manual Integrations
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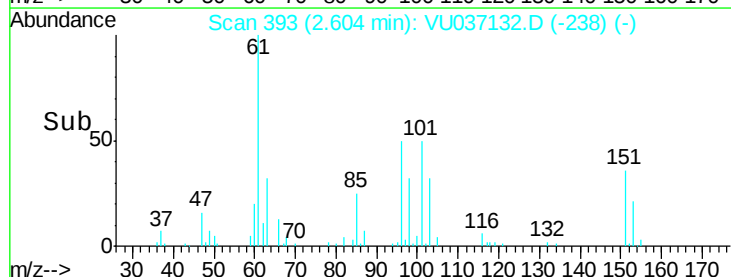
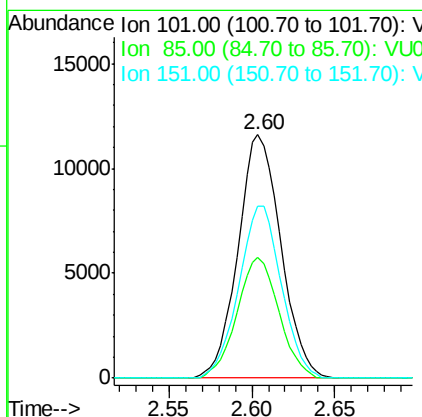
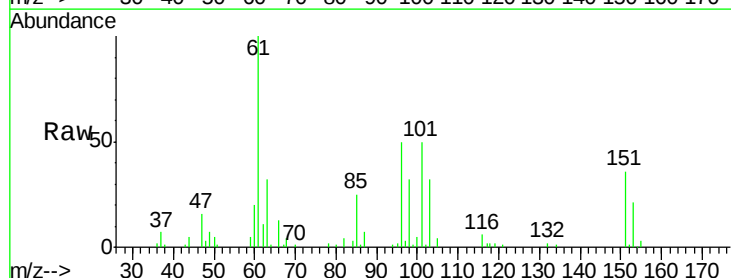
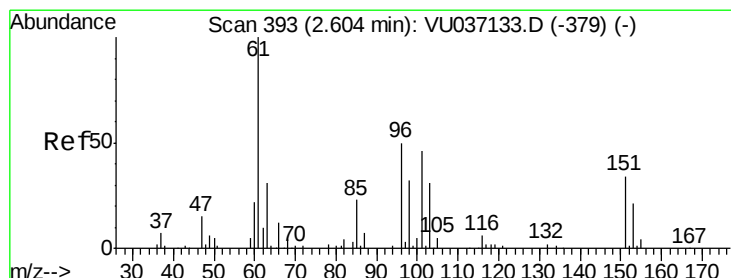
3/10/2020 3:07:04 PM

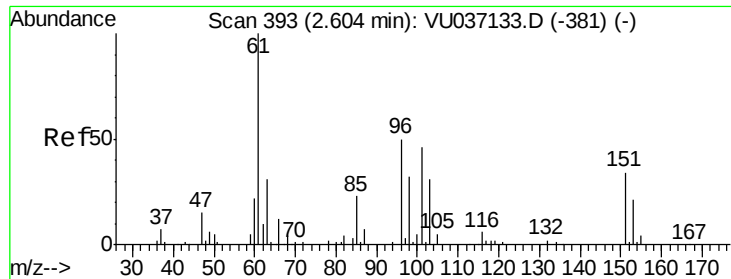


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.032 ug/l
RT: 2.60 min Scan# 393
Delta R.T. -0.00 min
Lab File: VU037132.D
Acq: 09 Mar 2020 13:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
101	100		20852		
85	48.4	33.9	50.9		
151	70.0	59.8	89.8		





#9

1,1-Dichloroethene

Concen: 4.237 ug/l

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037132.D

Acq: 09 Mar 2020 13:53

Instrument :

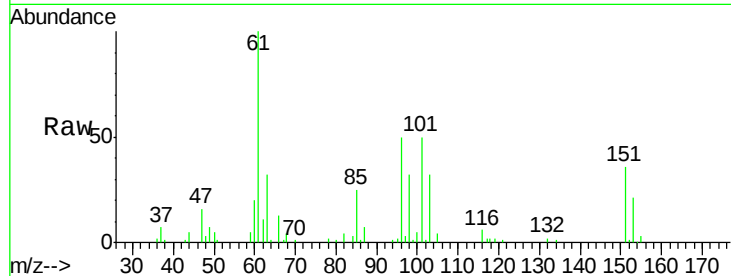
MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	18693
Ion	Ratio	Lower	Upper
96	100		
61	198.1	0.0	463.2
98	62.9	0.0	130.0

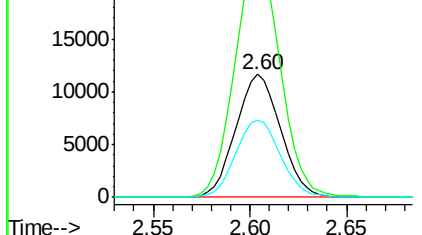
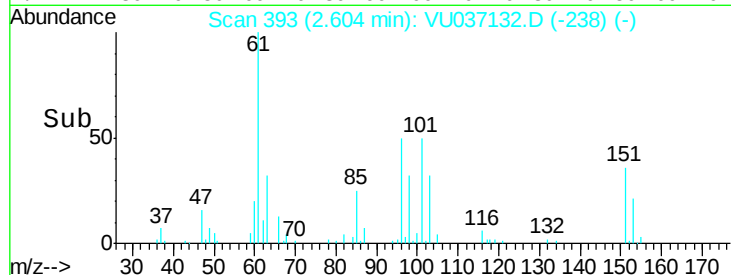
Manual Integrations
APPROVED



Abundance Ion 96.00 (95.70 to 96.70): VU037132.D (-238) (-)

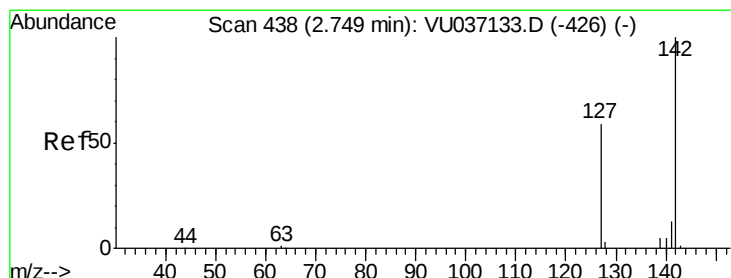
Ion 61.00 (60.70 to 61.70): VU037132.D (-238) (-)

Ion 98.00 (97.70 to 98.70): VU037132.D (-238) (-)



sam

3/10/2020 3:07:04 PM



#10

Iodomethane

Concen: 1.878 ug/l

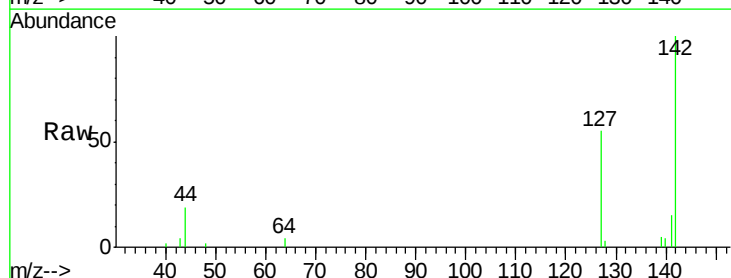
RT: 2.75 min Scan# 438

Delta R.T. -0.00 min

Lab File: VU037132.D

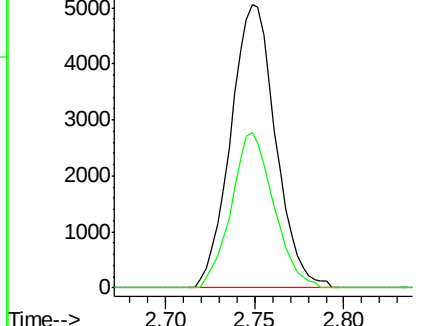
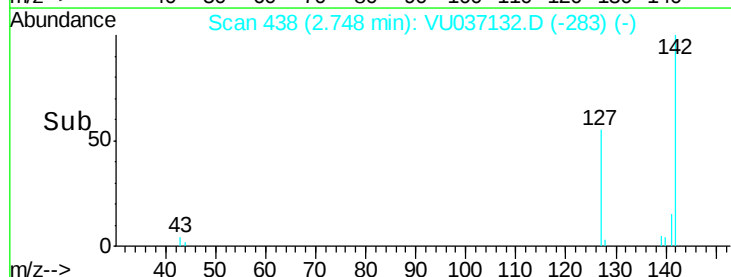
Acq: 09 Mar 2020 13:53

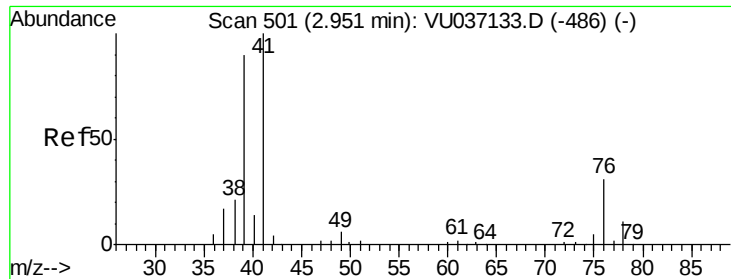
Tgt Ion:	142	Resp:	8888
Ion	Ratio	Lower	Upper
142	100		
127	51.7	30.3	45.5#



Abundance Ion 142.00 (141.70 to 142.70): VU037132.D (-283) (-)

Ion 127.00 (126.70 to 127.70): VU037132.D (-283) (-)



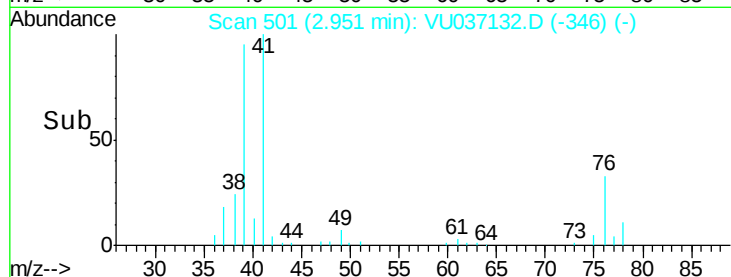
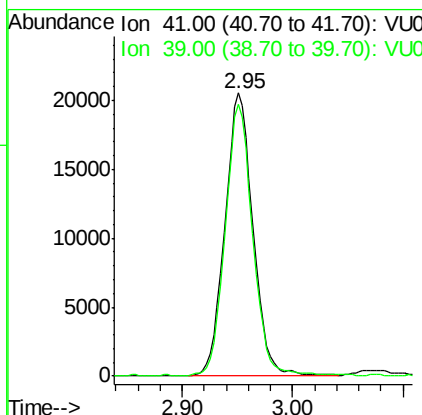
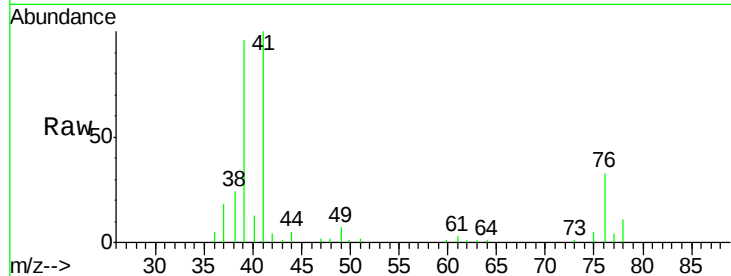


#11
Allvl Chloride
Concen: 5.961 ug/l
RT: 2.95 min Scan# 501
Delta R.T. -0.00 min
Lab File: VU037132.D
Acq: 09 Mar 2020 13:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

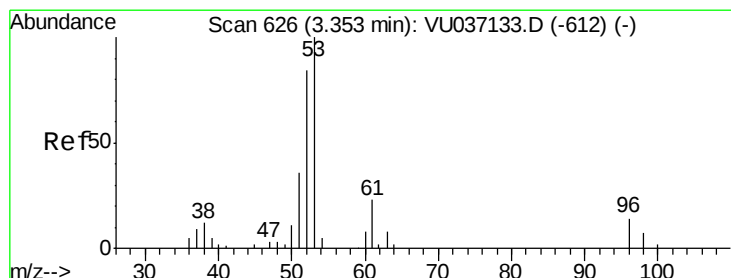
Tot Ion: 41 Resp: 36357
Ion Ratio Lower Upper
41 100
39 93.2 50.7 76.1#

Manual Integrations
APPROVED



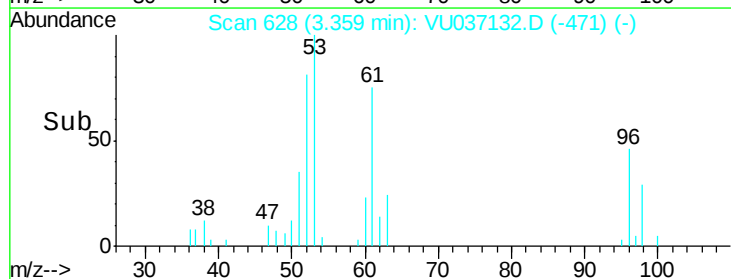
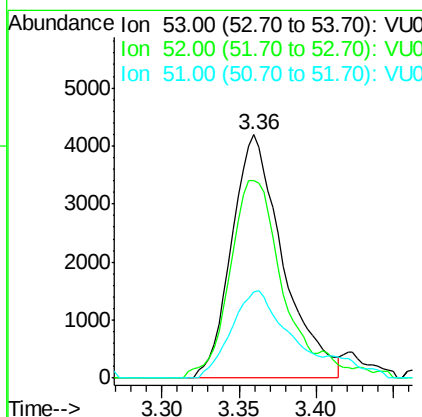
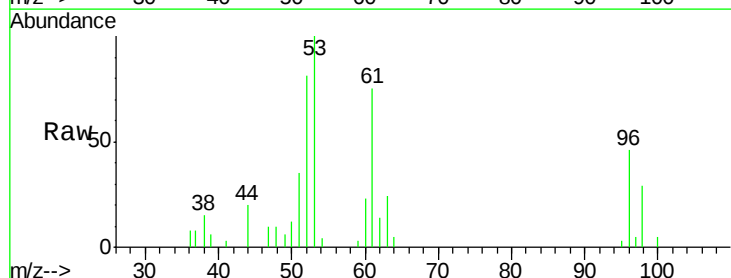
sam

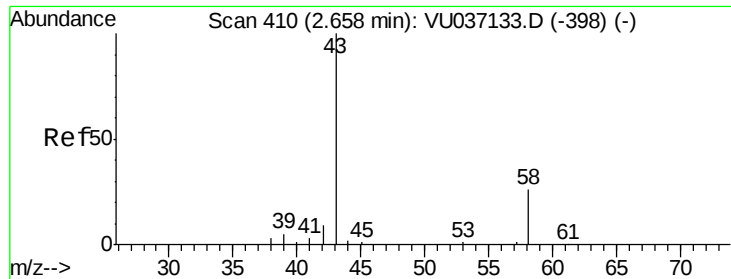
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#12
Acrylonitrile
Concen: 8.903 ug/l
RT: 3.36 min Scan# 628
Delta R.T. 0.01 min
Lab File: VU037132.D
Acq: 09 Mar 2020 13:53

Tgt Ion: 53 Resp: 9633
Ion Ratio Lower Upper
53 100
52 84.9 64.6 97.0
51 39.7 27.2 40.8





#13

Acetone

Concen: 27.116 ug/l

RT: 2.66 min Scan# 411

Delta R.T. 0.00 min

Lab File: VU037132.D

Acq: 09 Mar 2020 13:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

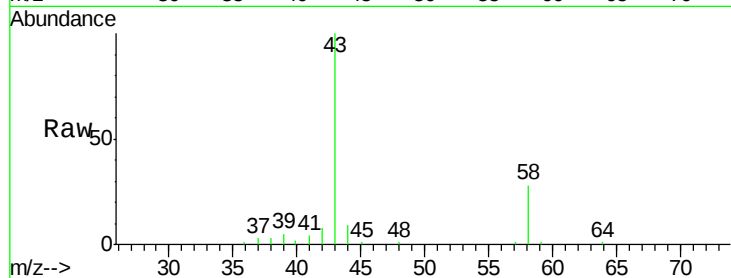
Tot Ion: 43 Resp: 23917

Ion Ratio Lower Upper

43 100

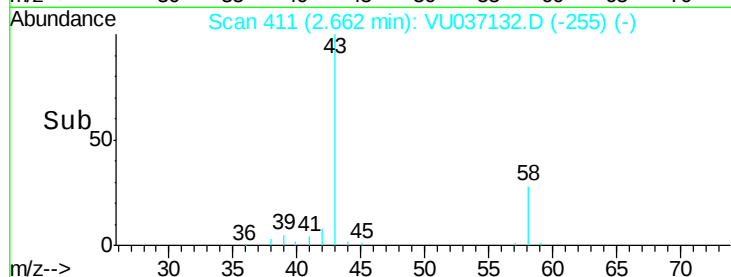
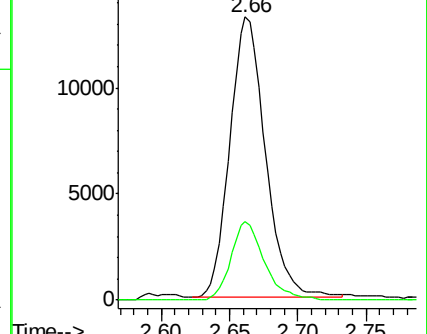
58 27.9 30.8 46.2#

Manual Integrations
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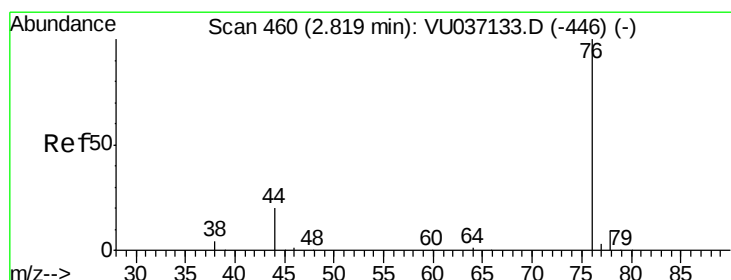
Abundance Ion 43.00 (42.70 to 43.70): VU037132.D (-255) (-)

Ion 58.00 (57.70 to 58.70): VU037132.D (-255) (-)



sam

3/10/2020 3:07:04 PM



#14

Carbon Disulfide

Concen: 4.177 ug/l

RT: 2.82 min Scan# 459

Delta R.T. -0.00 min

Lab File: VU037132.D

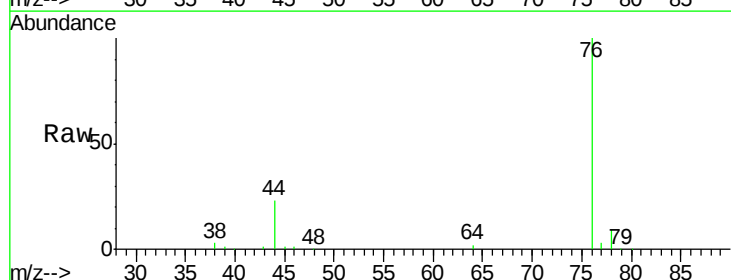
Acq: 09 Mar 2020 13:53

Tgt Ion: 76 Resp: 63810

Ion Ratio Lower Upper

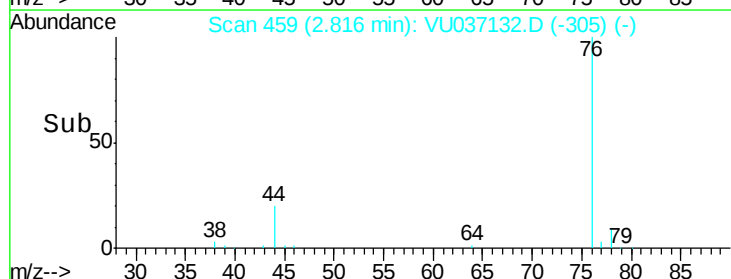
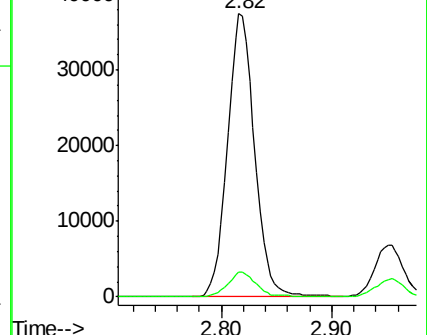
76 100

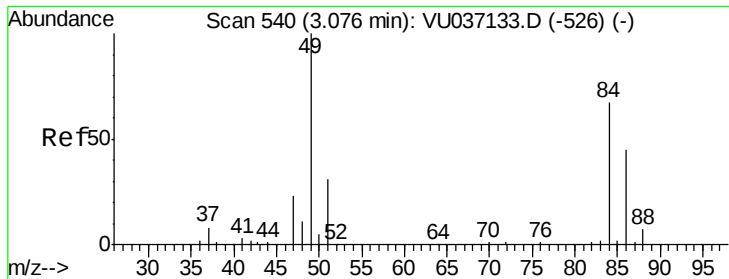
78 8.9 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VU037132.D (-305) (-)

Ion 78.00 (77.70 to 78.70): VU037132.D (-305) (-)



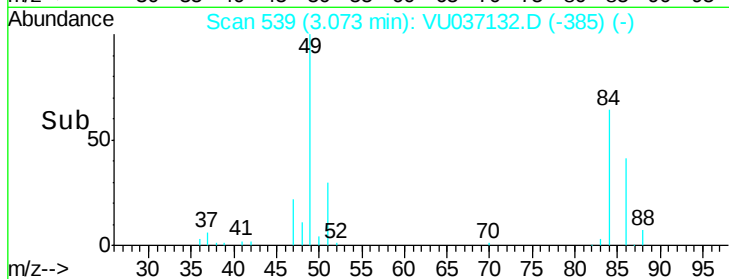
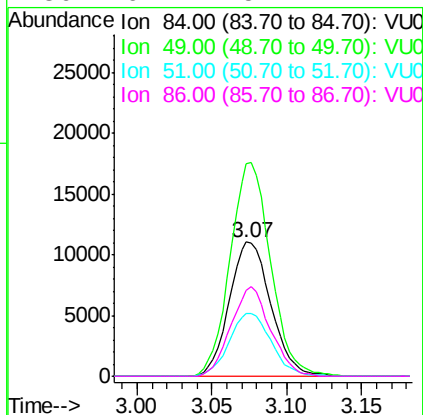
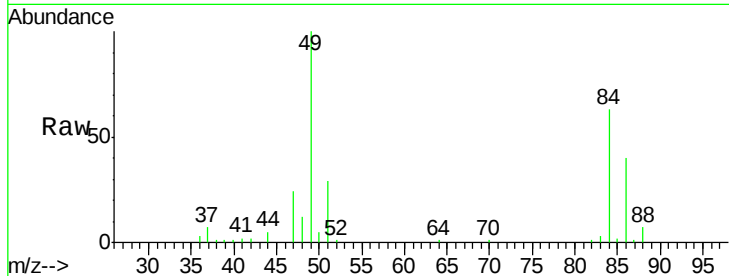


#15
Methylene Chloride
Concen: 3.688 ug/l
RT: 3.07 min Scan# 539
Delta R.T. -0.00 min
Lab File: VU037132.D
Acq: 09 Mar 2020 13:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

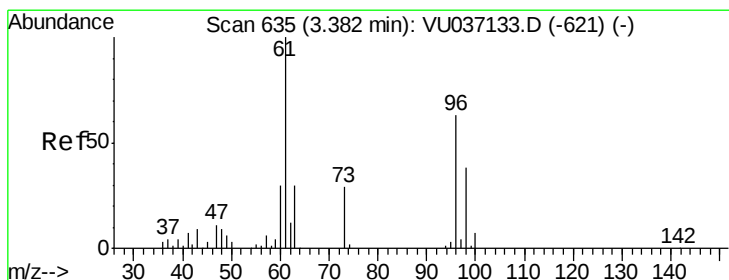
Tot Ion:	84	Resp:	21425
Ion	Ratio	Lower	Upper
84	100		
49	158.3	89.7	134.5#
51	46.5	0.0	71.6
86	64.1	51.4	77.2

Manual Integrations
APPROVED



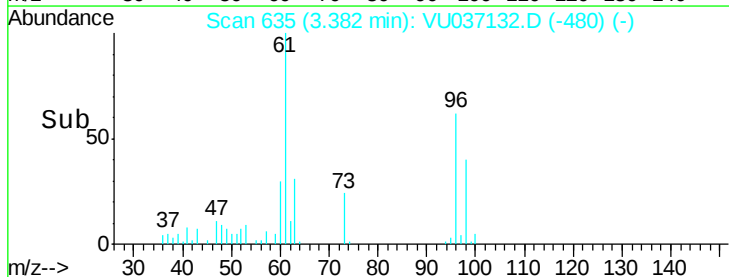
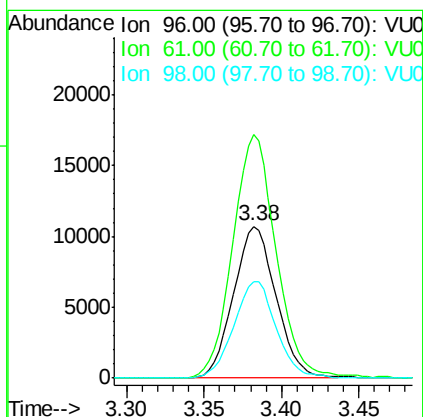
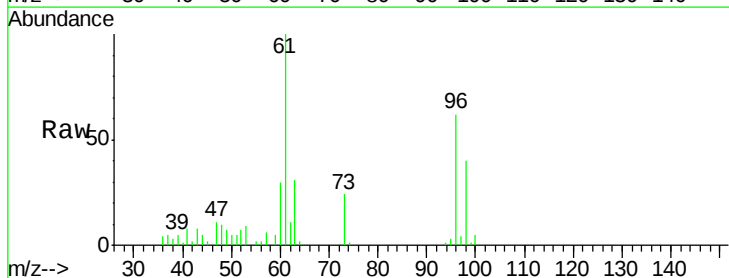
sam

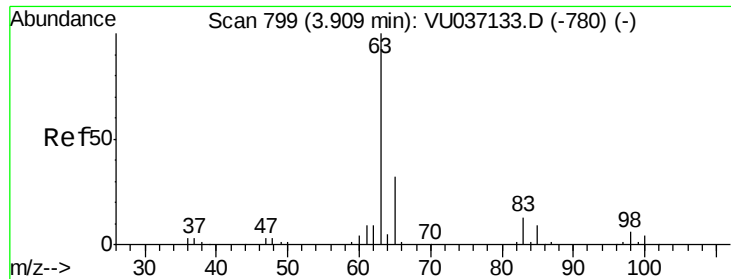
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#16
trans-1,2-Dichloroethene
Concen: 4.200 ug/l
RT: 3.38 min Scan# 635
Delta R.T. -0.00 min
Lab File: VU037132.D
Acq: 09 Mar 2020 13:53

Tgt Ion:	96	Resp:	20439
Ion	Ratio	Lower	Upper
96	100		
61	160.2	110.8	166.2
98	63.7	50.3	75.5



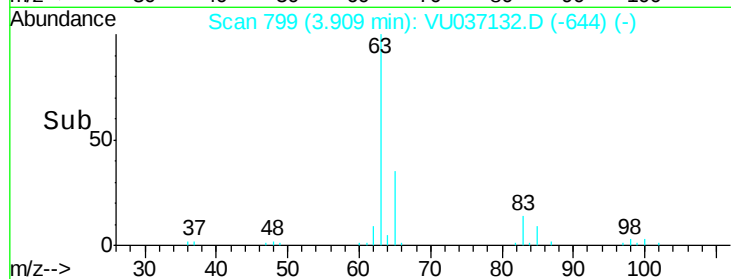
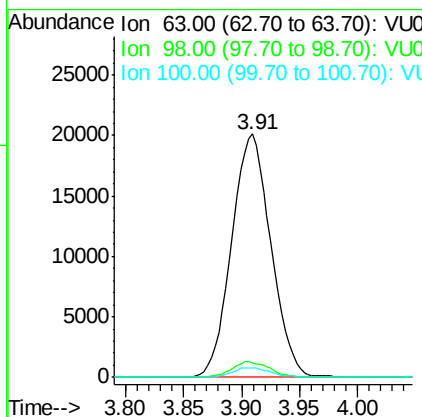
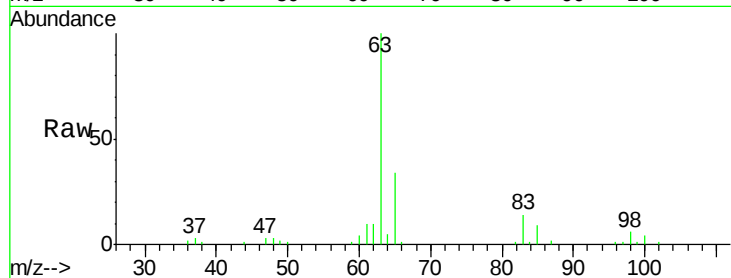


#17
 1,1-Dichloroethane
 Concen: 5.958 ug/l
 RT: 3.91 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: VU037132.D
 Acq: 09 Mar 2020 13:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

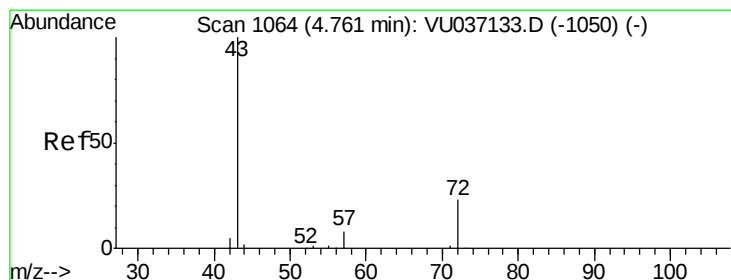
Tot Ion:	63	Resp:	47248
Ion	Ratio	Lower	Upper
63	100		
98	6.0	3.5	10.5
100	4.0	2.4	7.1

Manual Integrations
 APPROVED



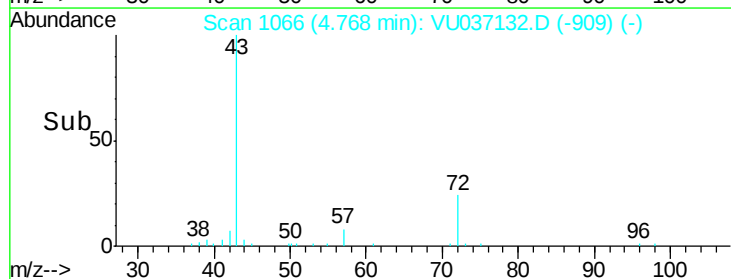
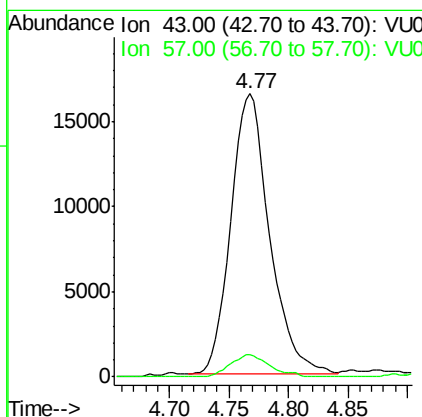
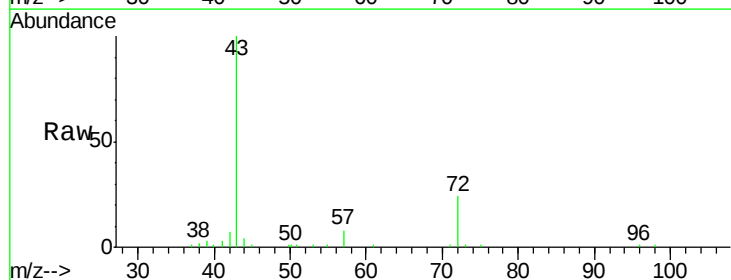
sam

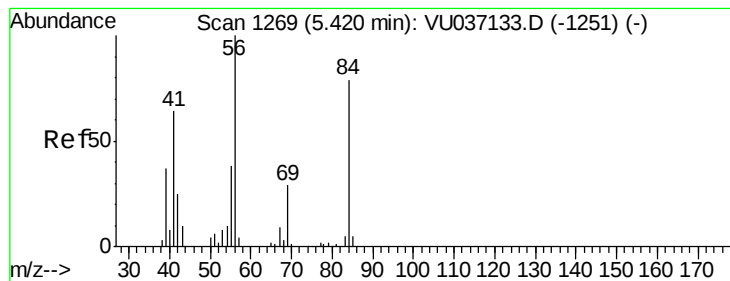
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#18
 2-Butanone
 Concen: 32.183 ug/l
 RT: 4.77 min Scan# 1066
 Delta R.T. 0.01 min
 Lab File: VU037132.D
 Acq: 09 Mar 2020 13:53

Tgt Ion:	43	Resp:	37384
Ion	Ratio	Lower	Upper
43	100		
57	8.1	0.0	17.8





#19

Cyclohexane

Concen: 5.519 ug/l m

RT: 5.42 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VU037132.D

Acq: 09 Mar 2020 13:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 39999

Ion Ratio Lower Upper

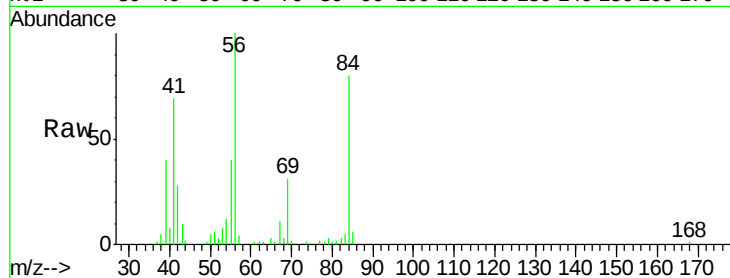
56 100

69 30.5 26.2 39.2

84 80.3 72.8 109.2

Manual Integrations

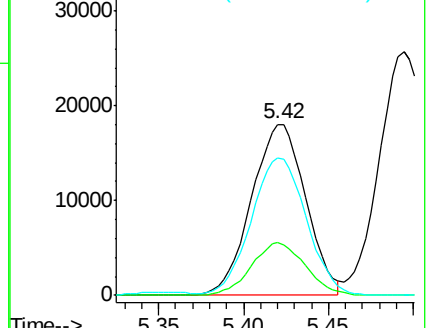
APPROVED



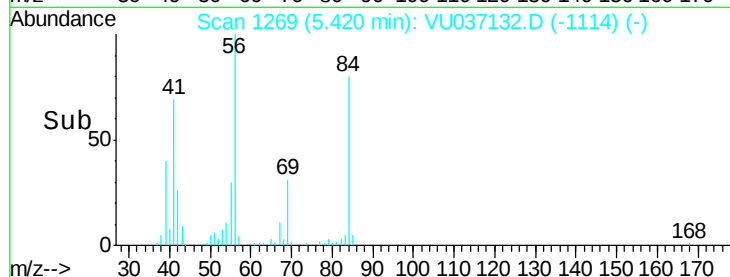
Abundance Ion 56.00 (55.70 to 56.70): VU037133.D (-1251) (-)

Ion 69.00 (68.70 to 69.70): VU037133.D (-1251) (-)

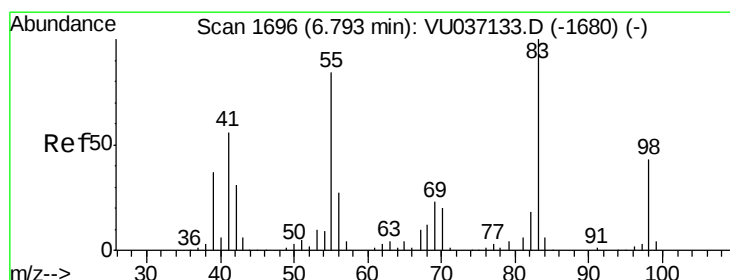
Ion 84.00 (83.70 to 84.70): VU037133.D (-1251) (-)



sam



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#20

Methylcyclohexane

Concen: 4.847 ug/l

RT: 6.79 min Scan# 1695

Delta R.T. -0.00 min

Lab File: VU037132.D

Acq: 09 Mar 2020 13:53

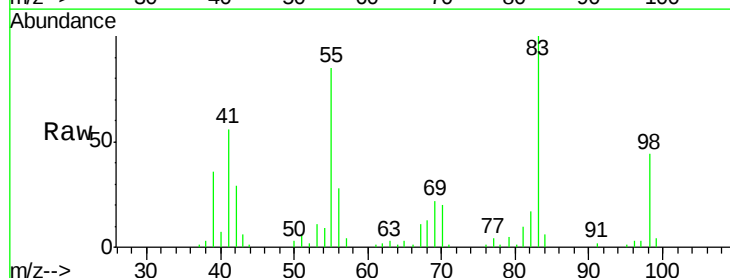
Tgt Ion: 83 Resp: 39227

Ion Ratio Lower Upper

83 100

55 87.5 56.6 85.0#

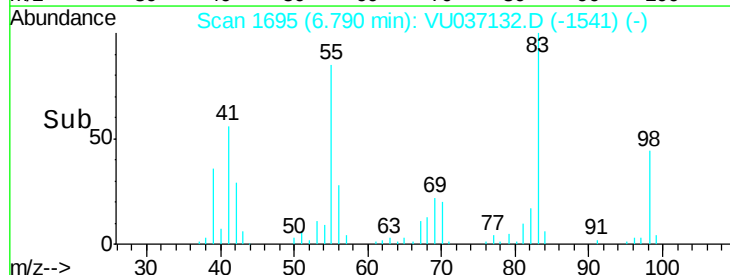
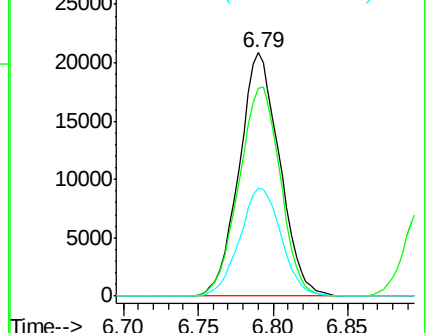
98 45.4 37.5 56.3

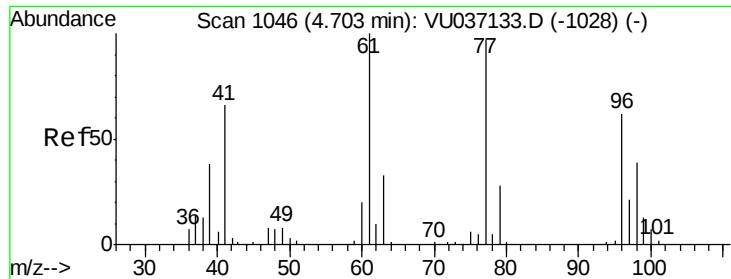


Abundance Ion 83.00 (82.70 to 83.70): VU037133.D (-1680) (-)

Ion 55.00 (54.70 to 55.70): VU037133.D (-1680) (-)

Ion 98.00 (97.70 to 98.70): VU037133.D (-1680) (-)



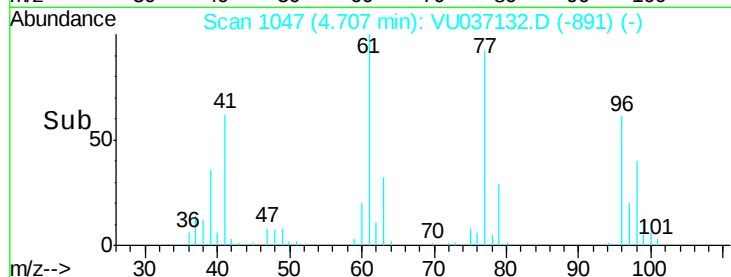
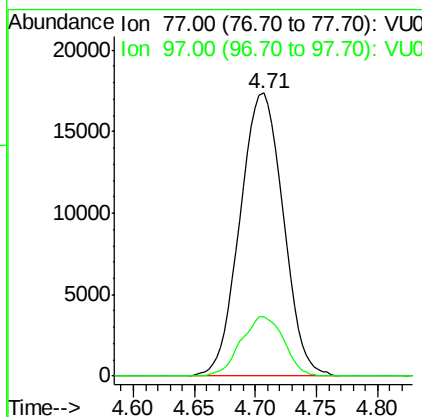
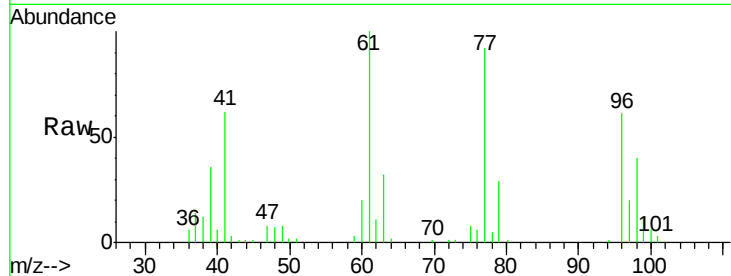


#21
2,2-Dichloropropane
Concen: 6.306 ug/l
RT: 4.71 min Scan# 1047
Delta R.T. 0.00 min
Lab File: VU037132.D
Acq: 09 Mar 2020 13:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

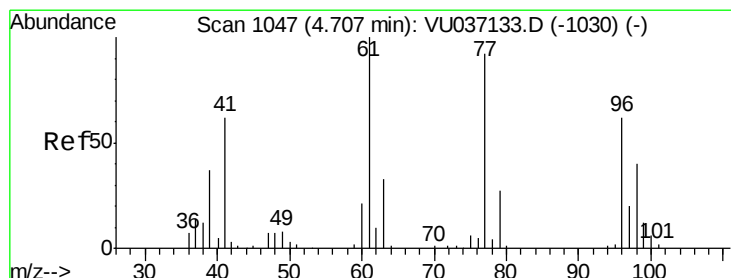
Tot Ion: 77 Resp: 42691
Ion Ratio Lower Upper
77 100
97 20.8 19.0 28.4

Manual Integrations
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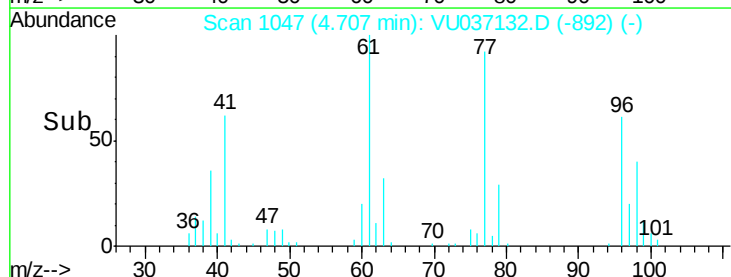
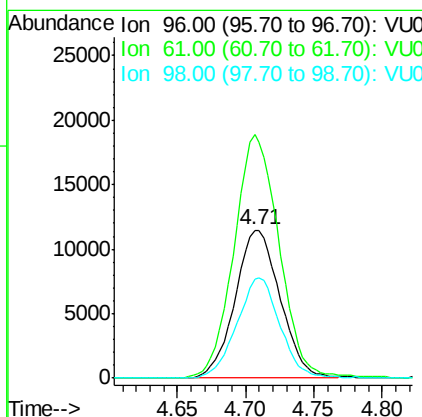
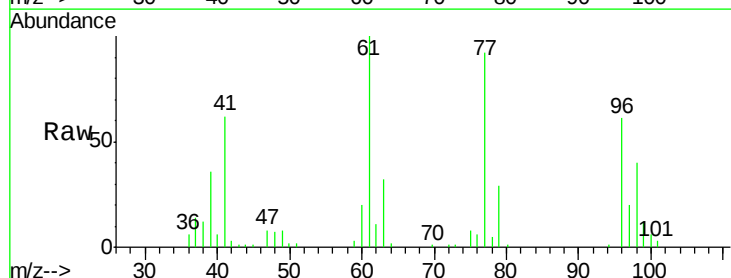
sam

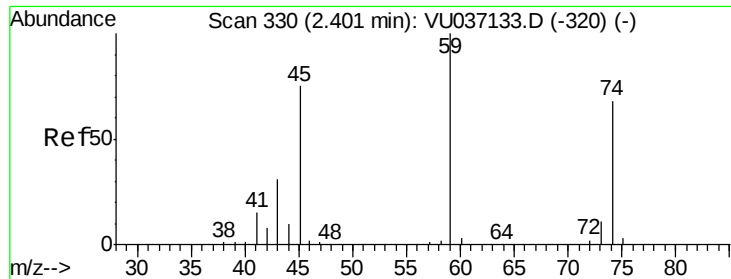
3/10/2020 3:07:04 PM



#22
cis-1,2-Dichloroethene
Concen: 5.208 ug/l
RT: 4.71 min Scan# 1047
Delta R.T. -0.00 min
Lab File: VU037132.D
Acq: 09 Mar 2020 13:53

Tgt Ion: 96 Resp: 26294
Ion Ratio Lower Upper
96 100
61 164.7 0.0 342.0
98 64.7 32.0 96.0



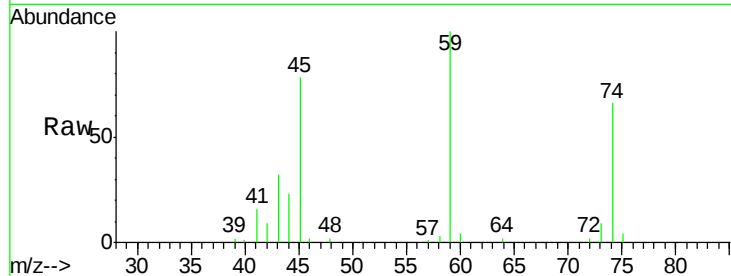


#23
Diethyl Ether
Concen: 4.592 ug/l
RT: 2.40 min Scan# 331
Delta R.T. 0.00 min
Lab File: VU037132.D
Acq: 09 Mar 2020 13:53

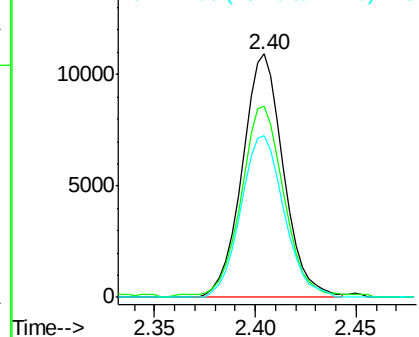
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
45	82.3	52.4	78.6#
74	69.6	62.1	93.1

Manual Integrations
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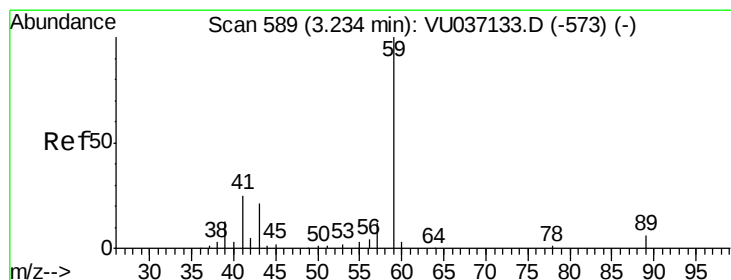


Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 45.00 (44.70 to 45.70): VU0
Ion 74.00 (73.70 to 74.70): VU0



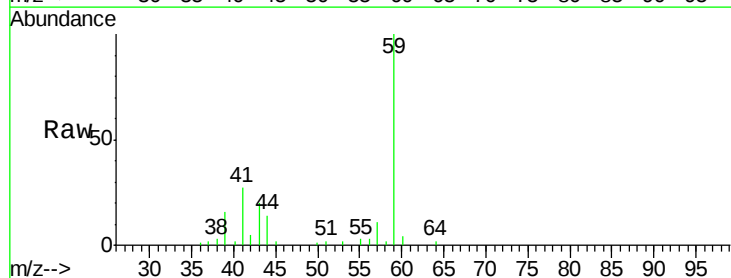
sam

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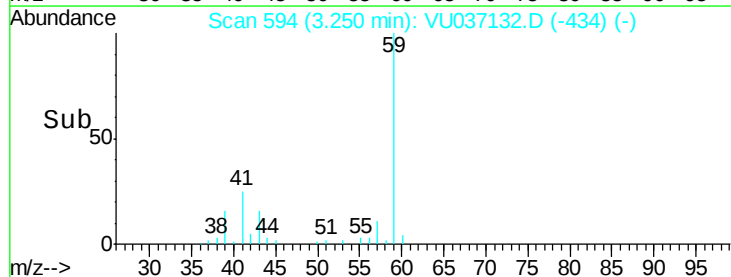
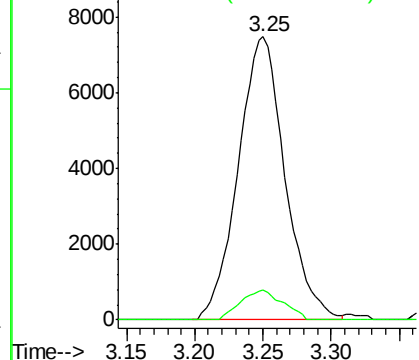


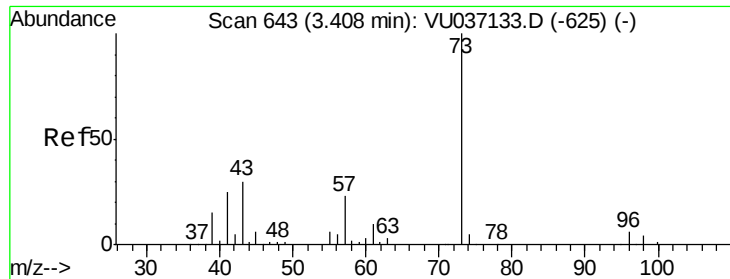
#24
tert-Butyl Alcohol
Concen: 58.488 ug/l
RT: 3.25 min Scan# 594
Delta R.T. 0.02 min
Lab File: VU037132.D
Acq: 09 Mar 2020 13:53

Tgt Ion	Ratio	Lower	Upper
59	100		
57	9.6	8.4	12.6



Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 57.00 (56.70 to 57.70): VU0



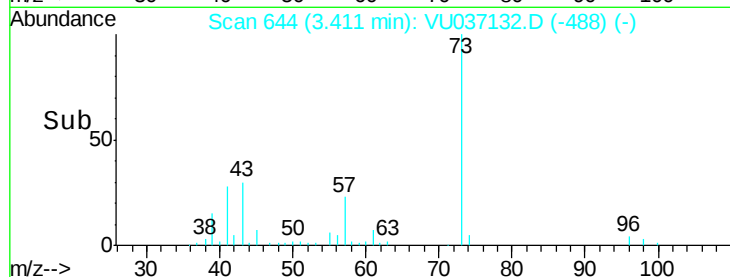
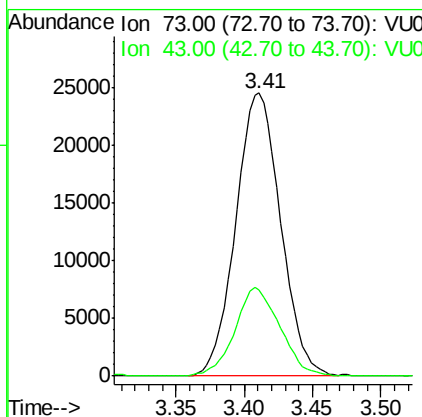
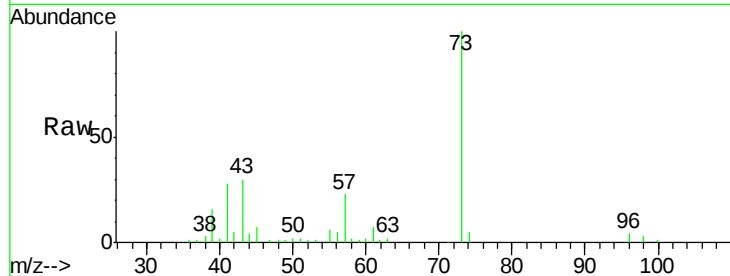


#25
Methvl tert-Butvl Ether
Concen: 4.847 ug/l
RT: 3.41 min Scan# 644
Delta R.T. 0.00 min
Lab File: VU037132.D
Acq: 09 Mar 2020 13:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

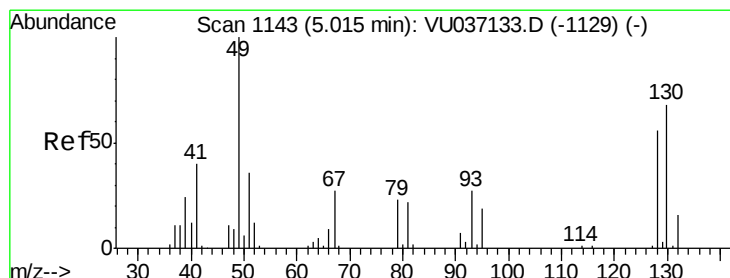
Tot Ion: 73 Resp: 56024
Ion Ratio Lower Upper
73 100
43 31.4 14.5 21.7#

Manual Integrations
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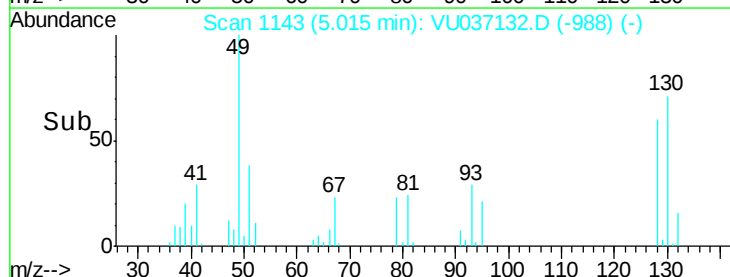
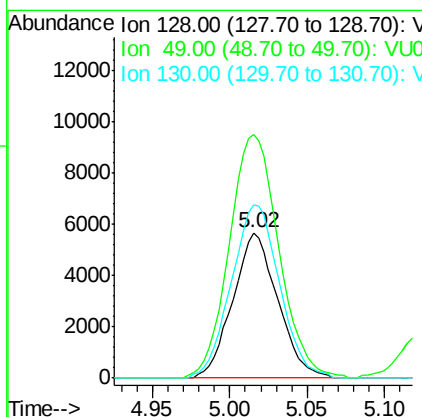
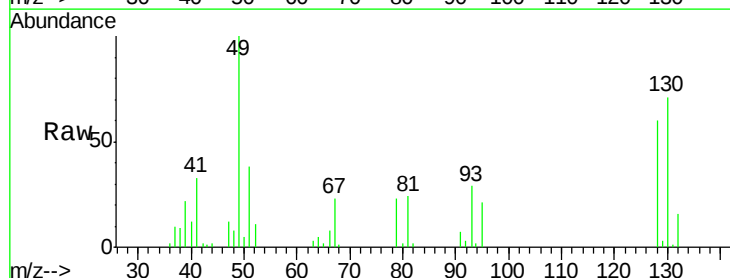
sam

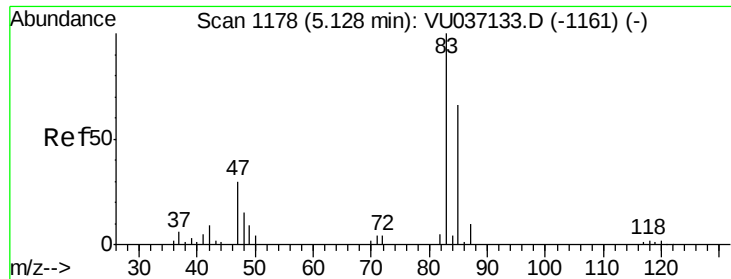
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#26
Bromochloromethane
Concen: 5.226 ug/l
RT: 5.02 min Scan# 1143
Delta R.T. -0.00 min
Lab File: VU037132.D
Acq: 09 Mar 2020 13:53

Tgt Ion: 128 Resp: 11427
Ion Ratio Lower Upper
128 100
49 184.5 0.0 286.2
130 128.2 104.3 156.5



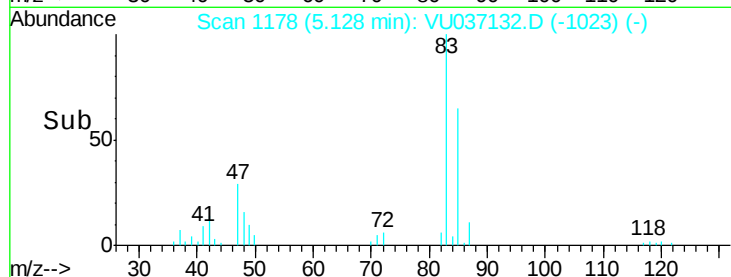
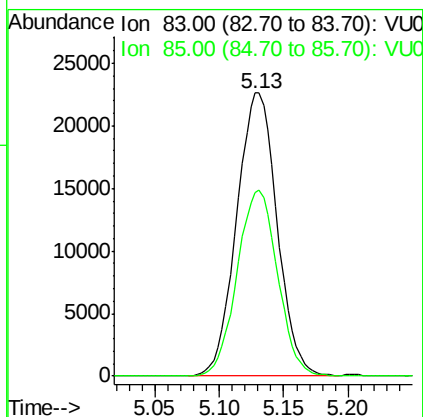
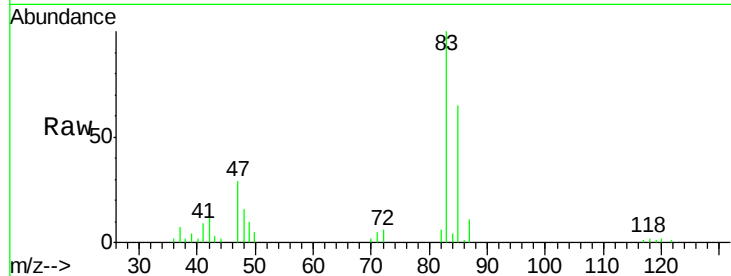


#27
Chloroform
Concen: 6.306 ug/l
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU037132.D
Acq: 09 Mar 2020 13:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

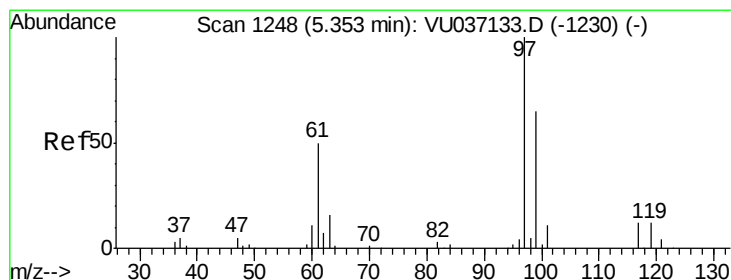
Tot Ion: 83 Resp: 49462
Ion Ratio Lower Upper
83 100
85 64.7 0.0 129.0

Manual Integrations
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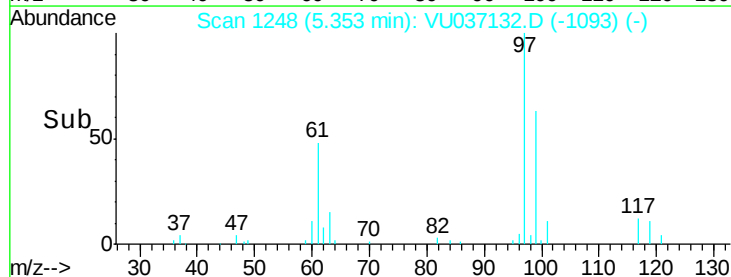
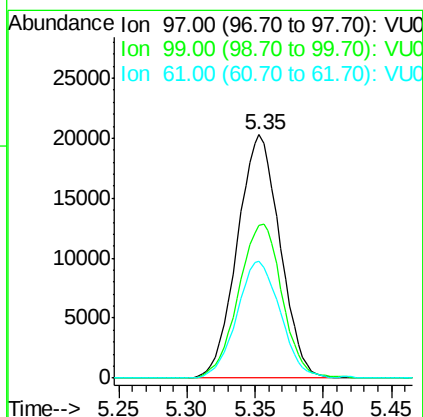
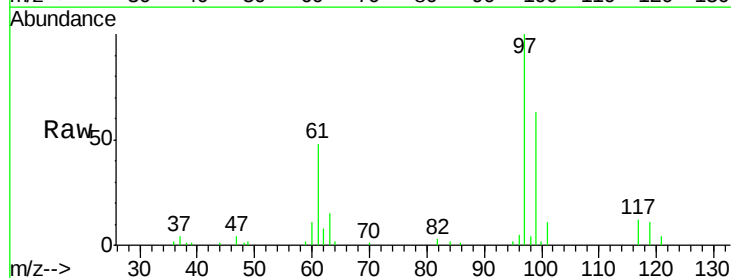
sam

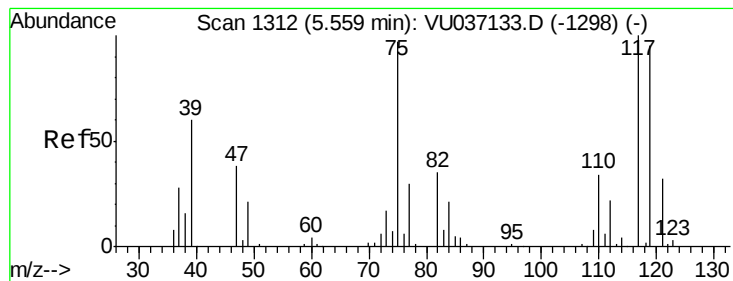
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#28
1,1,1-Trichloroethane
Concen: 6.708 ug/l
RT: 5.35 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VU037132.D
Acq: 09 Mar 2020 13:53

Tgt Ion: 97 Resp: 44116
Ion Ratio Lower Upper
97 100
99 64.7 32.1 96.3
61 48.7 22.7 68.0





#29

1,1-Dichloropropene

Concen: 5.786 ug/l

RT: 5.56 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU037132.D

Acq: 09 Mar 2020 13:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 75 Resp: 37140

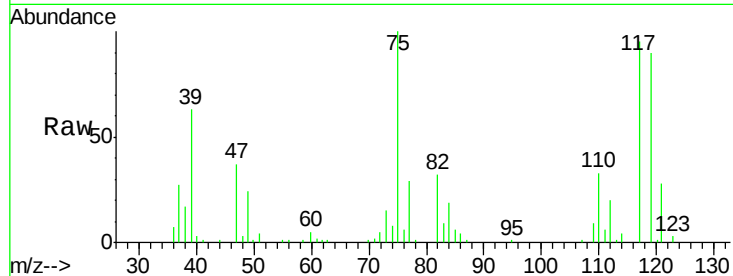
Ion Ratio Lower Upper

75 100

110 33.9 18.6 55.8

77 30.4 25.0 37.4

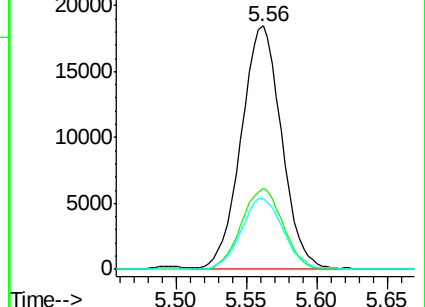
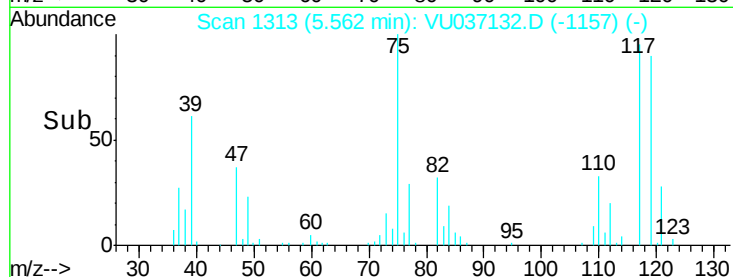
Manual Integrations
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Abundance Ion 75.00 (74.70 to 75.70): VU037133.D (-1298) (-)

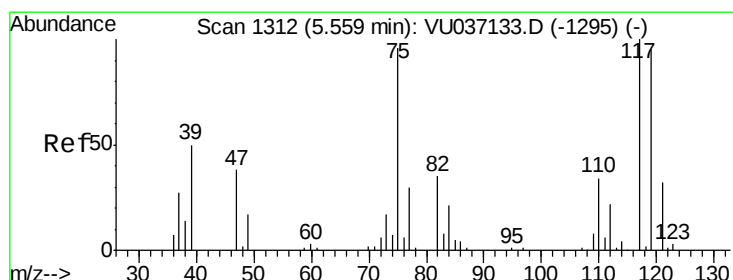
Ion 110.00 (109.70 to 110.70): VU037133.D (-1298) (-)

Ion 77.00 (76.70 to 77.70): VU037133.D (-1298) (-)



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#30

Carbon Tetrachloride

Concen: 6.878 ug/l

RT: 5.56 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU037132.D

Acq: 09 Mar 2020 13:53

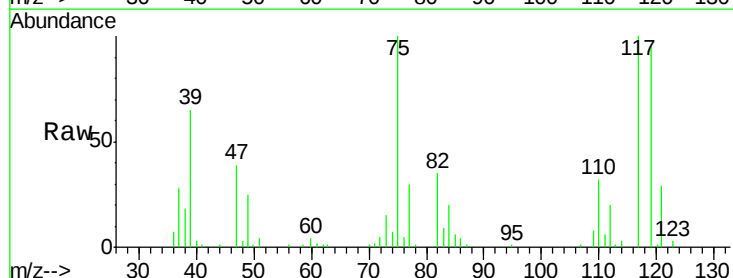
Tgt Ion: 117 Resp: 38733

Ion Ratio Lower Upper

117 100

119 94.6 77.0 115.6

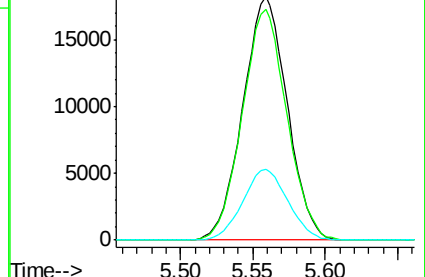
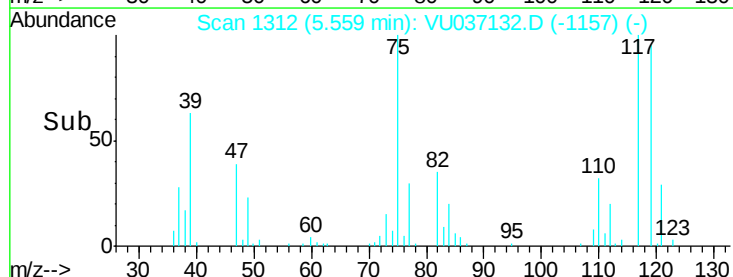
121 28.9 23.3 34.9

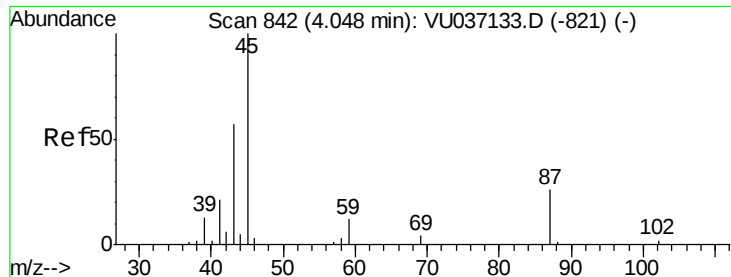


Abundance Ion 117.00 (116.70 to 117.70): VU037133.D (-1295) (-)

Ion 119.00 (118.70 to 119.70): VU037133.D (-1295) (-)

Ion 121.00 (120.70 to 121.70): VU037133.D (-1295) (-)





#31

Isopropyl Ether

Concen: 6.251 ug/l

RT: 4.05 min Scan# 842

Delta R.T. -0.00 min

Lab File: VU037132.D

Acq: 09 Mar 2020 13:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

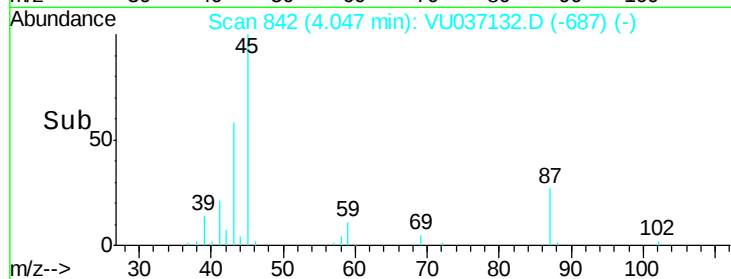
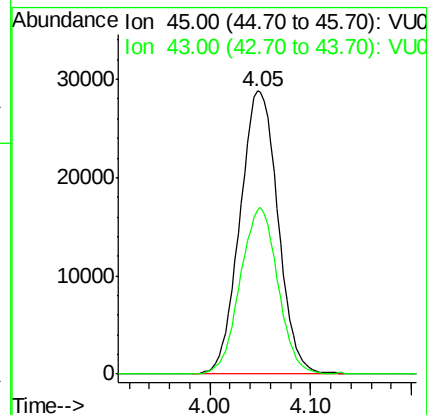
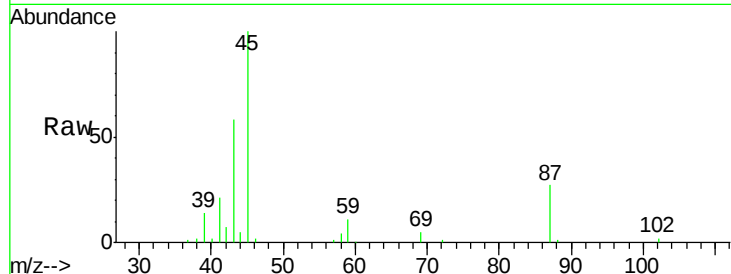
Tot Ion: 45 Resp: 75239

Ion Ratio Lower Upper

45 100

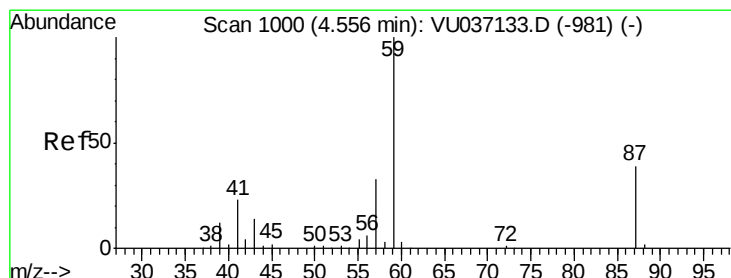
43 58.3 24.0 72.0

Manual Integrations
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#32

Ethyl-t-butyl ether

Concen: 5.652 ug/l

RT: 4.56 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VU037132.D

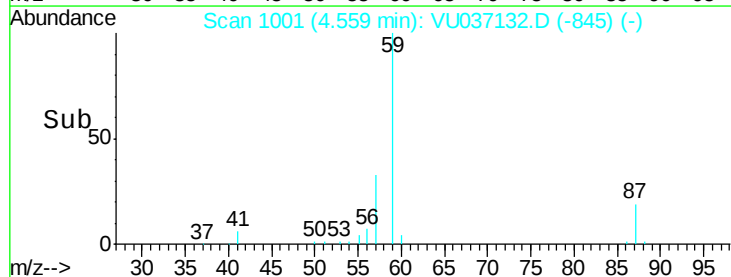
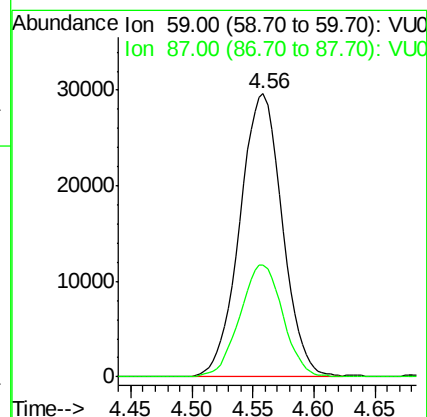
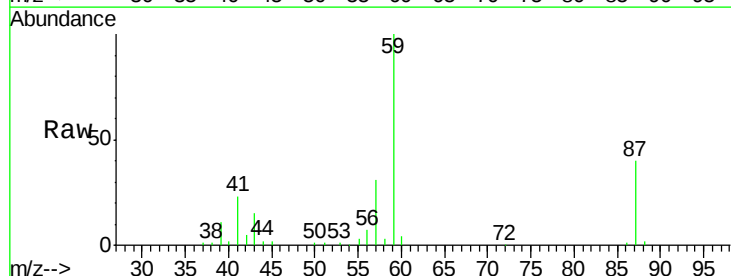
Acq: 09 Mar 2020 13:53

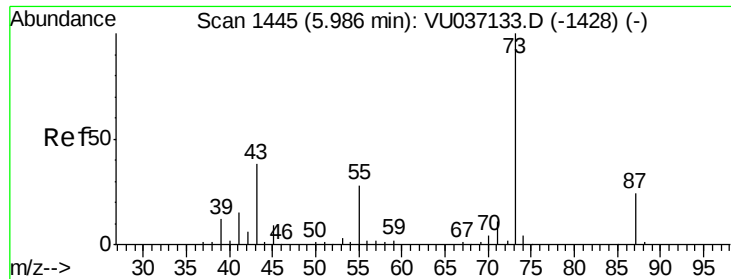
Tgt Ion: 59 Resp: 71189

Ion Ratio Lower Upper

59 100

87 40.1 35.1 52.7



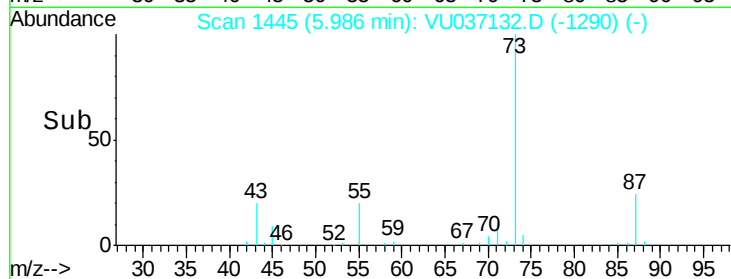
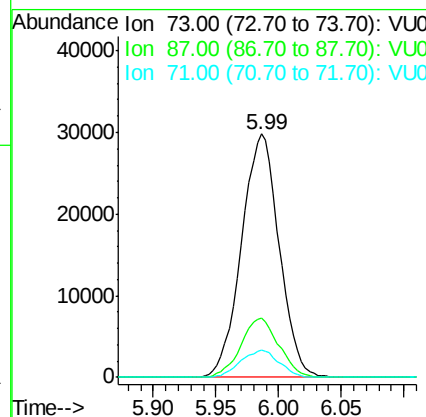
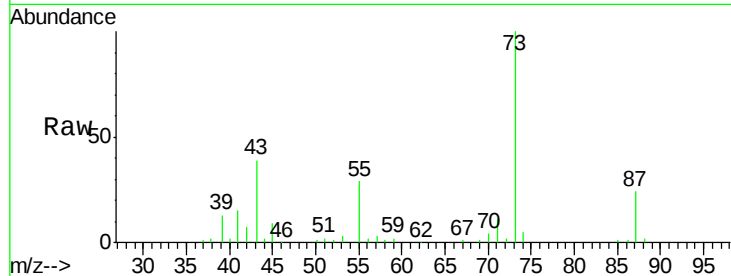


#33
Tert-Butyl methyl ether
Concen: 5.391 ug/l
RT: 5.99 min Scan# 1445
Delta R.T. -0.00 min
Lab File: VU037132.D
Acq: 09 Mar 2020 13:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

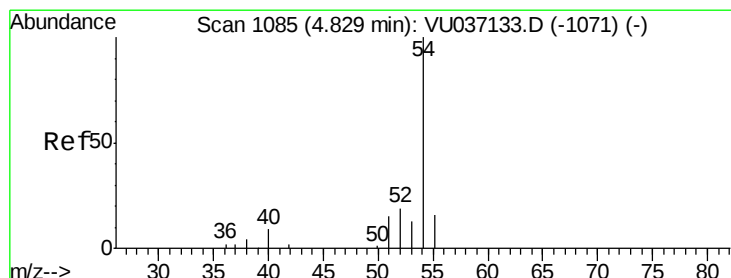
Tot Ion:	73	Resp:	62167
Ion	Ratio	Lower	Upper
73	100		
87	24.5	19.8	29.6
71	11.4	9.1	13.7

Manual Integrations
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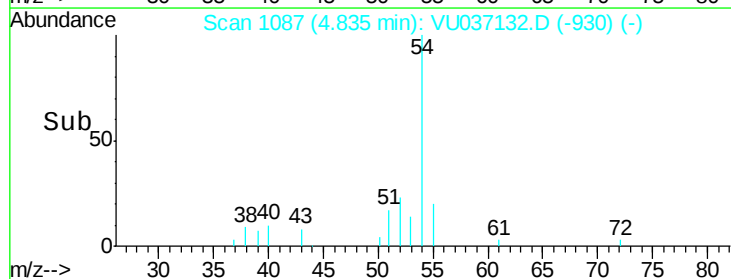
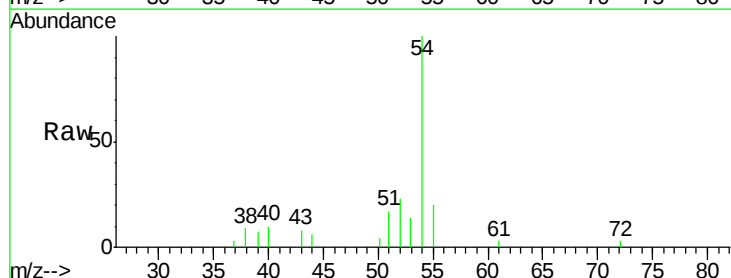
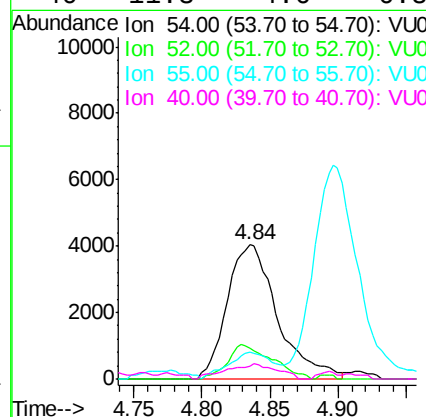
sam

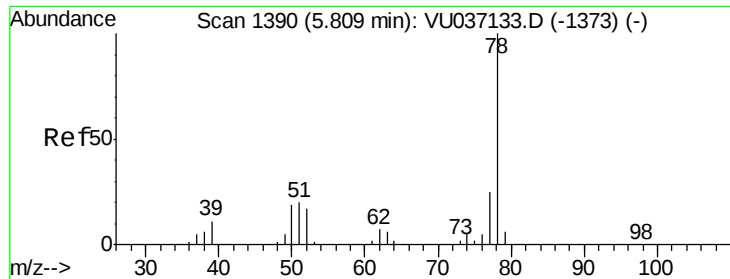
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#34
Propionitrile
Concen: 30.887 ug/l
RT: 4.84 min Scan# 1087
Delta R.T. 0.01 min
Lab File: VU037132.D
Acq: 09 Mar 2020 13:53

Tgt Ion:	54	Resp:	10342
Ion	Ratio	Lower	Upper
54	100		
52	22.7	15.2	22.8
55	17.9	9.5	14.3#
40	11.3	4.6	6.8#





#35

Benzene

Concen: 5.480 ug/l

RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VU037132.D

Acq: 09 Mar 2020 13:53

Tot Ion: 78 Resp: 101860

Ion Ratio Lower Upper

78 100

77 25.4 19.4 29.0

Instrument :

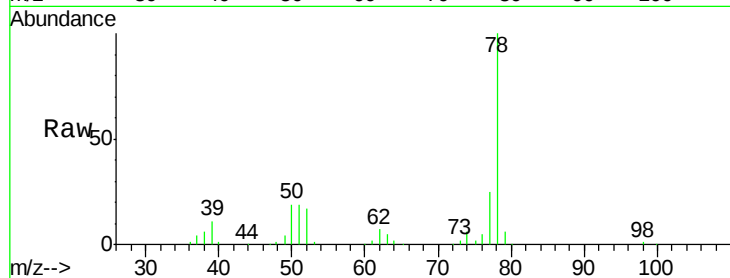
MSVOA_U

ClientSampleId :

VSTDIC005

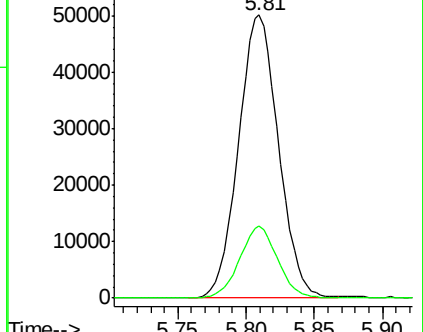
Manual Integrations

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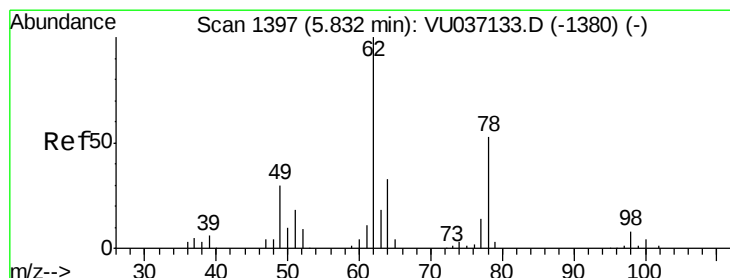
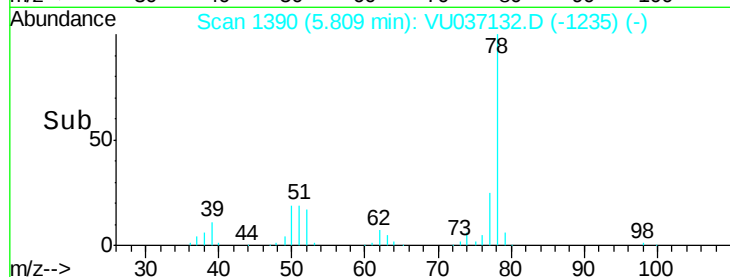


Abundance Ion 78.10 (77.80 to 78.80): VU037133.D (-1373) (-)

Ion 77.00 (76.70 to 77.70): VU037133.D (-1373) (-)



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#36

1,2-Dichloroethane

Concen: 7.275 ug/l

RT: 5.84 min Scan# 1398

Delta R.T. 0.00 min

Lab File: VU037132.D

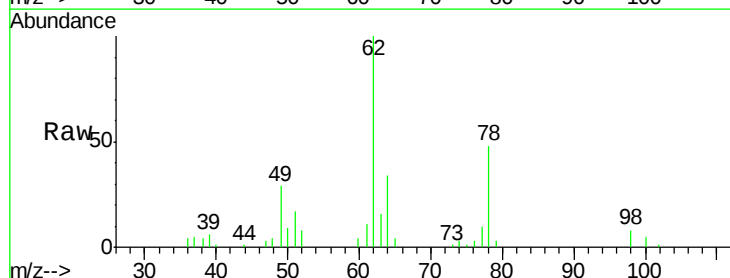
Acq: 09 Mar 2020 13:53

Tgt Ion: 62 Resp: 36400

Ion Ratio Lower Upper

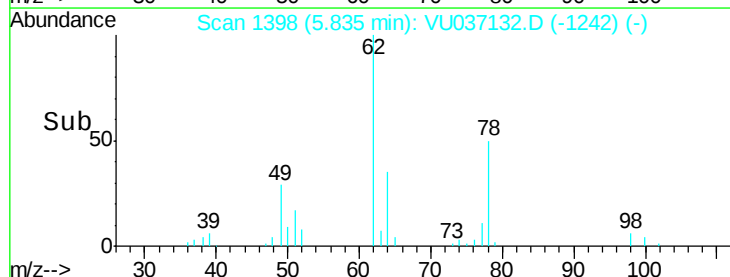
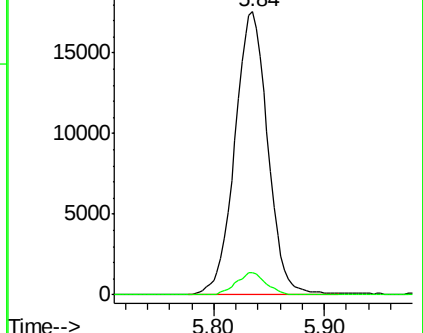
62 100

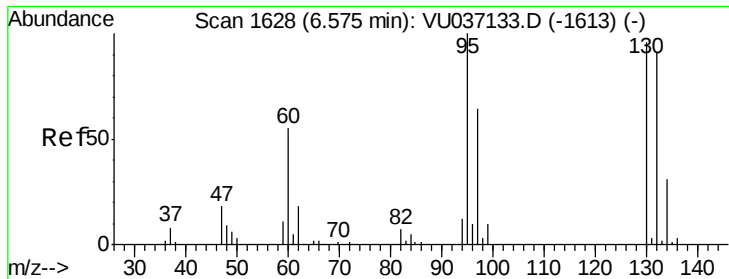
98 7.0 7.8 11.8#



Abundance Ion 62.00 (61.70 to 62.70): VU037133.D (-1380) (-)

Ion 98.00 (97.70 to 98.70): VU037133.D (-1380) (-)



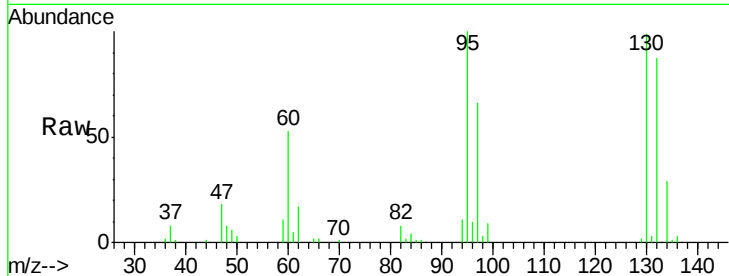


#37
 Trichloroethene
 Concen: 5.124 ug/l
 RT: 6.57 min Scan# 1628
 Delta R.T. -0.00 min
 Lab File: VU037132.D
 Acq: 09 Mar 2020 13:53

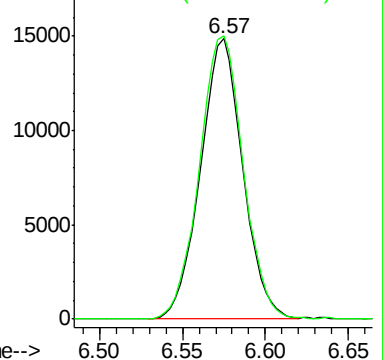
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion:130 Resp: 26296
 Ion Ratio Lower Upper
 130 100
 95 100.9 77.0 115.4

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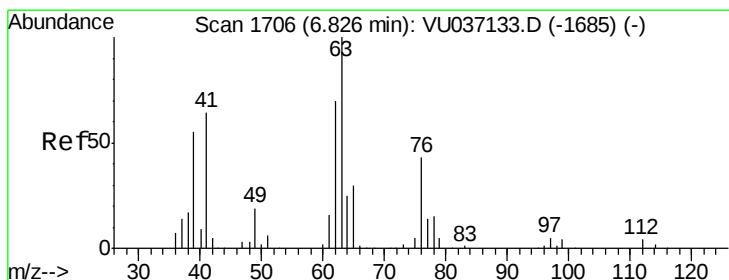
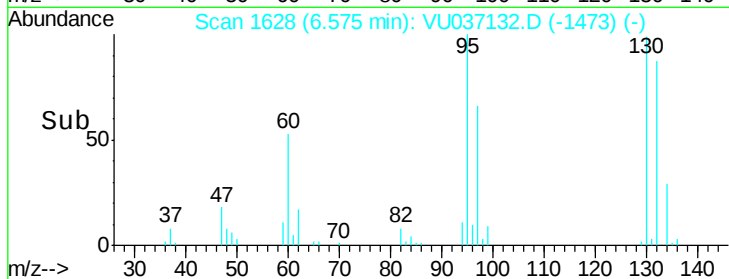


Abundance Ion 129.90 (129.60 to 130.60): VU037132.D (-1473) (-)
 Ion 94.90 (94.60 to 95.60): VU037132.D (-1473) (-)



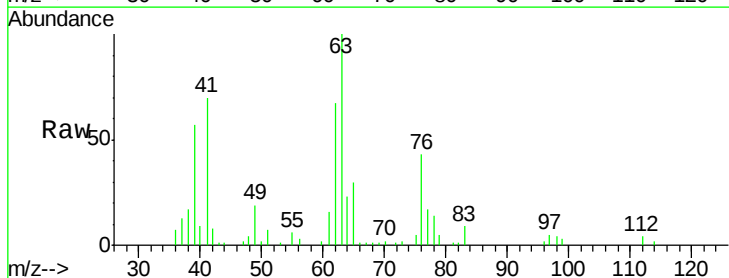
sam

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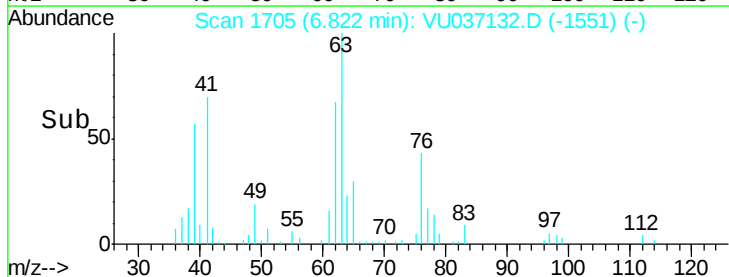
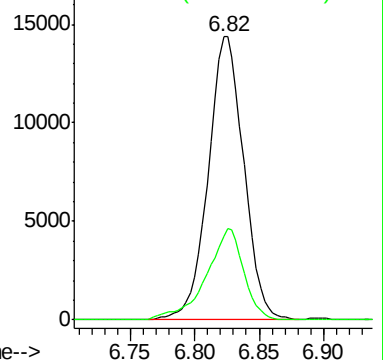


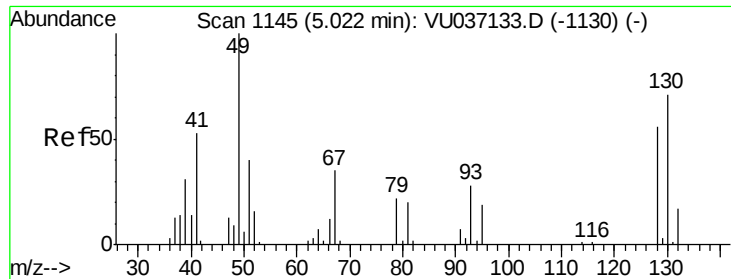
#38
 1,2-Dichloropropane
 Concen: 5.917 ug/l
 RT: 6.82 min Scan# 1705
 Delta R.T. -0.00 min
 Lab File: VU037132.D
 Acq: 09 Mar 2020 13:53

Tgt Ion: 63 Resp: 27651
 Ion Ratio Lower Upper
 63 100
 65 29.7 24.7 37.1



Abundance Ion 63.00 (62.70 to 63.70): VU037132.D (-1551) (-)
 Ion 65.00 (64.70 to 65.70): VU037132.D (-1551) (-)



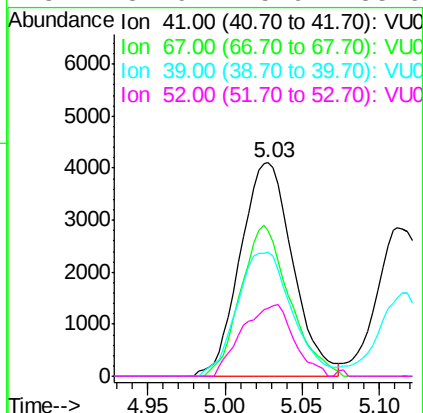
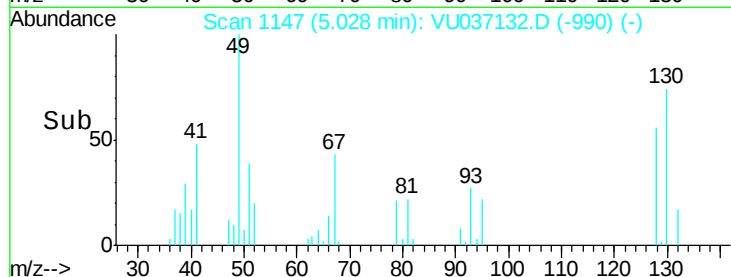
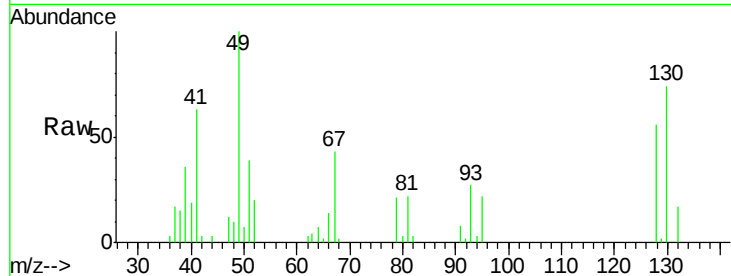


#39
Methacrylonitrile
Concen: 6.900 ug/l
RT: 5.03 min Scan# 1147
Delta R.T. 0.01 min
Lab File: VU037132.D
Acq: 09 Mar 2020 13:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

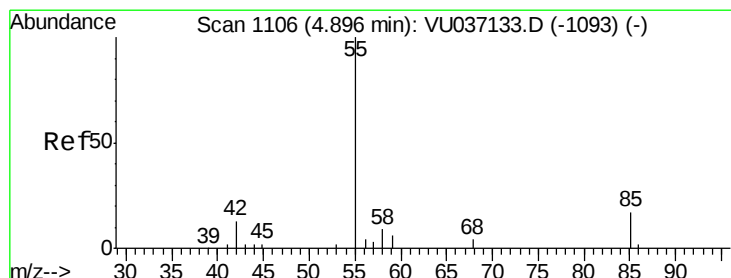
Tot Ion:	41	Resp:	9710
Ion	Ratio	Lower	Upper
41	100		
67	65.5	69.6	104.4#
39	60.7	41.6	62.4
52	32.9	25.9	38.9

Manual Integrations
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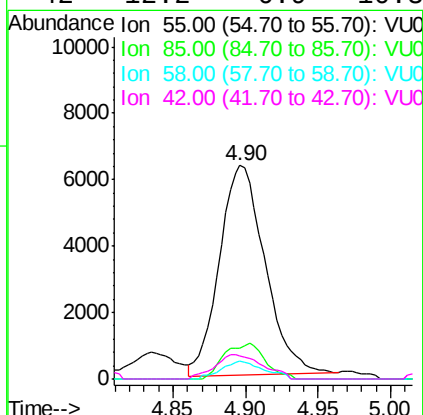
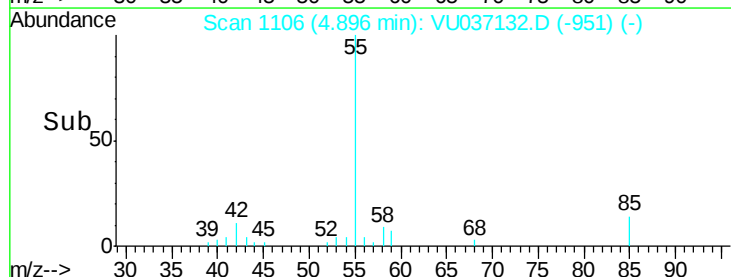
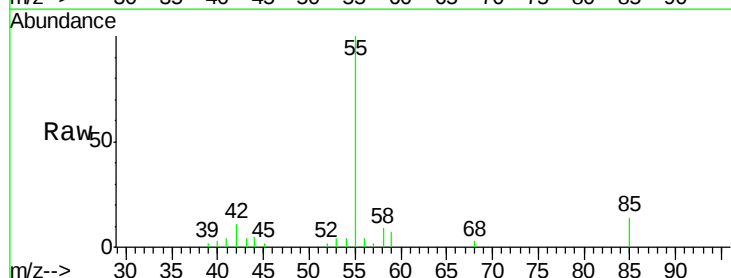
sam

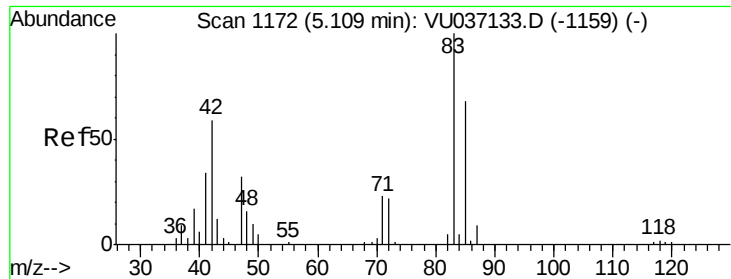
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#40
Methyl acrylate
Concen: 6.215 ug/l
RT: 4.90 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VU037132.D
Acq: 09 Mar 2020 13:53

Tgt Ion:	55	Resp:	13861
Ion	Ratio	Lower	Upper
55	100		
85	15.2	14.7	22.1
58	7.9	7.1	10.7
42	12.2	6.9	10.3#





#41

Tetrahydrofuran

Concen: 12.777 ug/l

RT: 5.11 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VU037132.D

Acq: 09 Mar 2020 13:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 42 Resp: 9796

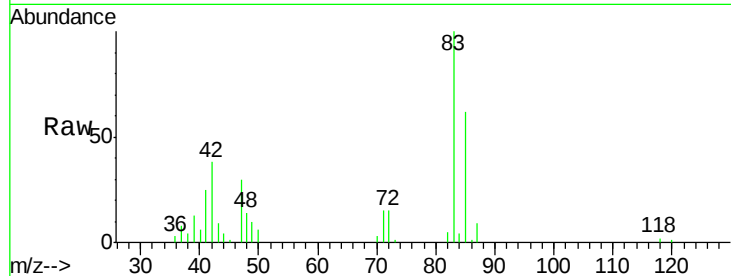
Ion Ratio Lower Upper

42 100

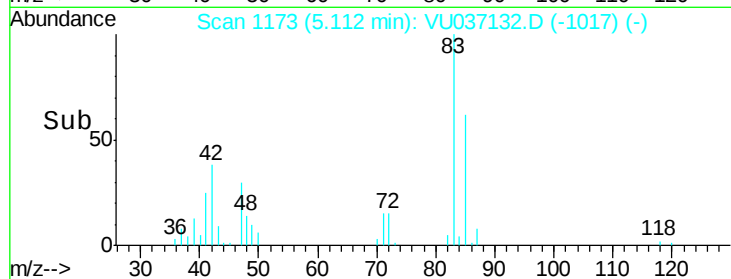
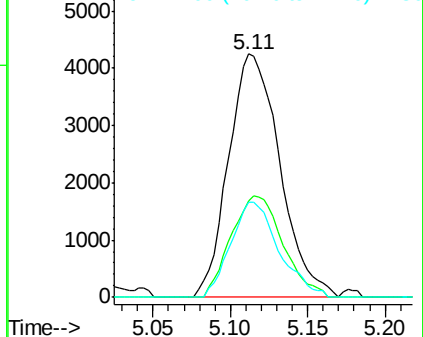
72 42.2 42.5 63.7#

71 36.8 37.3 55.9#

Manual Integrations
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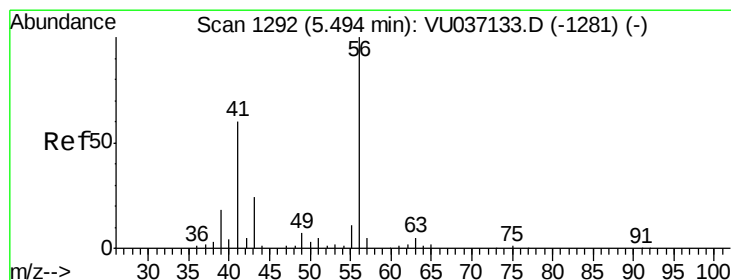


Abundance Ion 42.00 (41.70 to 42.70): VU0
Ion 72.00 (71.70 to 72.70): VU0
Ion 71.00 (70.70 to 71.70): VU0



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#42

1-Chlorobutane

Concen: 6.178 ug/l

RT: 5.49 min Scan# 1292

Delta R.T. -0.00 min

Lab File: VU037132.D

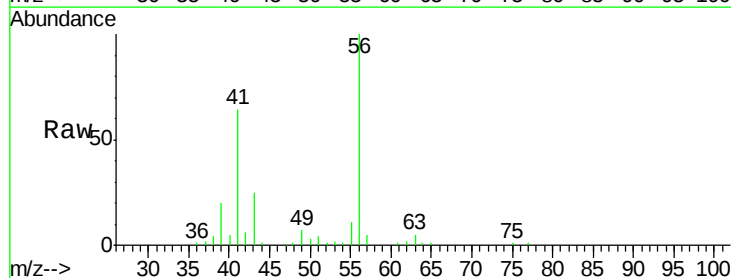
Acq: 09 Mar 2020 13:53

Tgt Ion: 56 Resp: 51375

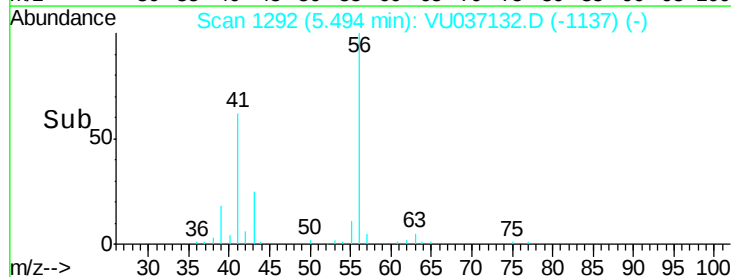
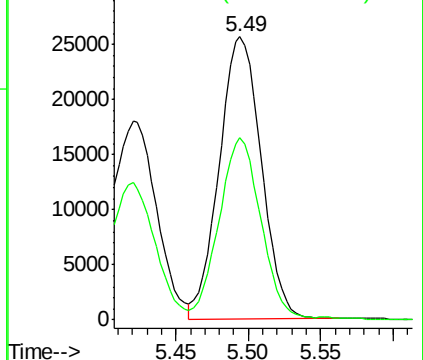
Ion Ratio Lower Upper

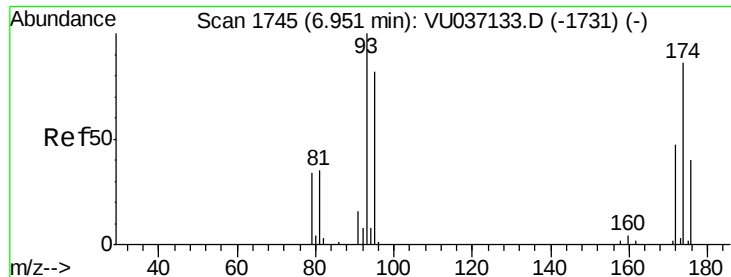
56 100

41 63.0 24.8 74.3



Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 41.00 (40.70 to 41.70): VU0



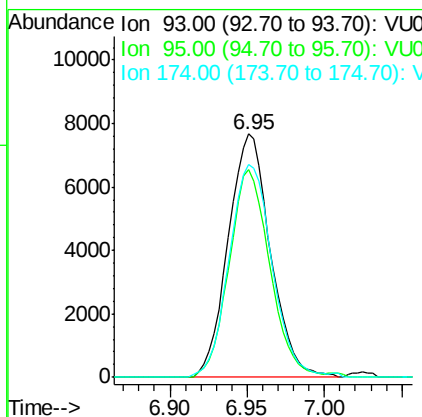
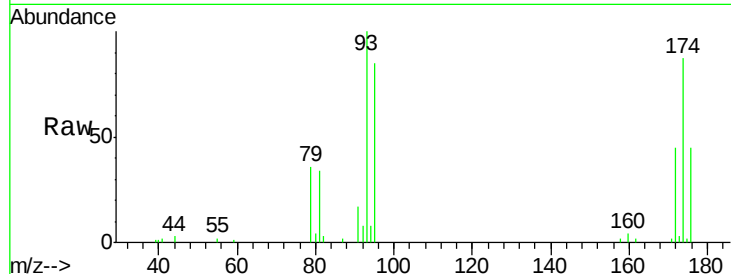


#43
Dibromomethane
Concen: 5.949 ug/l
RT: 6.95 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VU037132.D
Acq: 09 Mar 2020 13:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

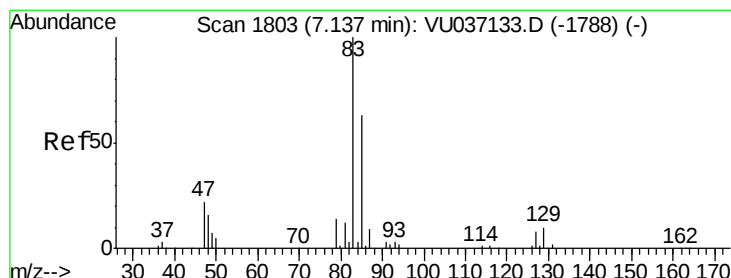
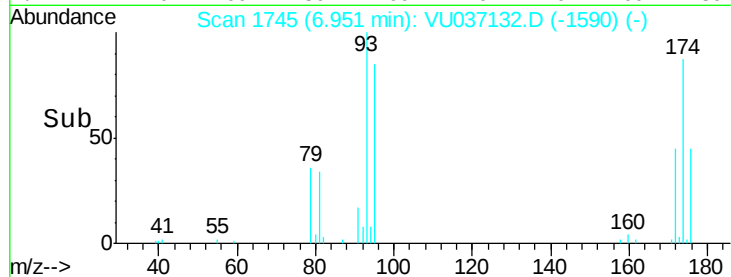
Tot Ion	93	Resp	14511
Ion	Ratio	Lower	Upper
93	100		
95	82.5	67.9	101.9
174	89.3	83.4	125.0

Manual Integrations
APPROVED



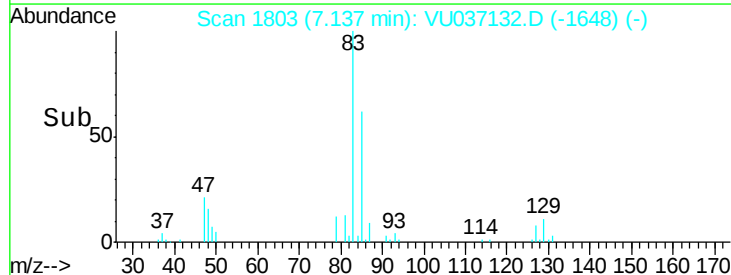
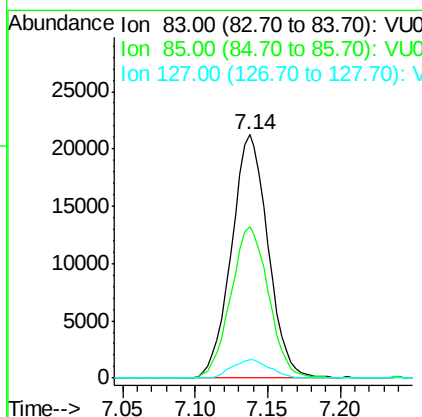
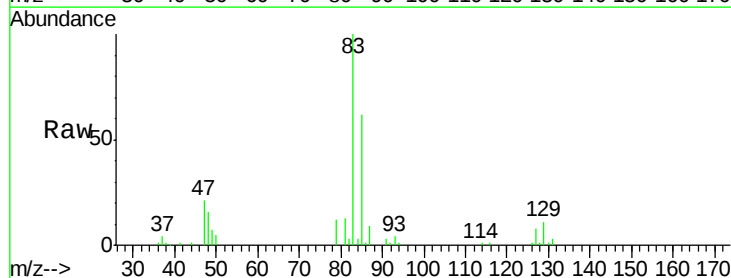
sam

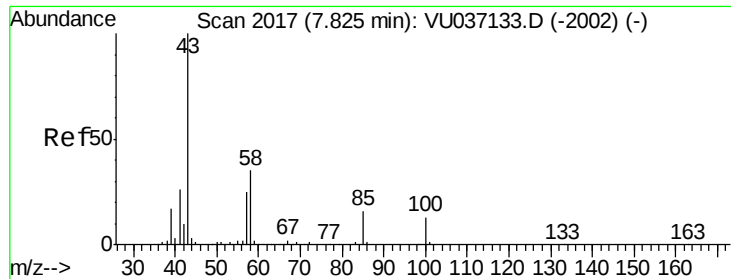
3/10/2020 3:07:04 PM



#44
Bromodichloromethane
Concen: 6.447 ug/l
RT: 7.14 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VU037132.D
Acq: 09 Mar 2020 13:53

Tgt Ion	83	Resp	37197
Ion	Ratio	Lower	Upper
83	100		
85	62.2	51.8	77.6
127	7.6	6.8	10.2



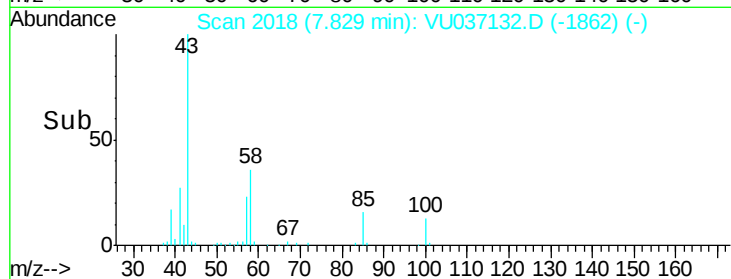
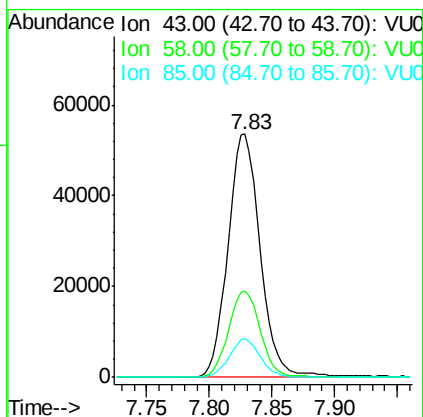
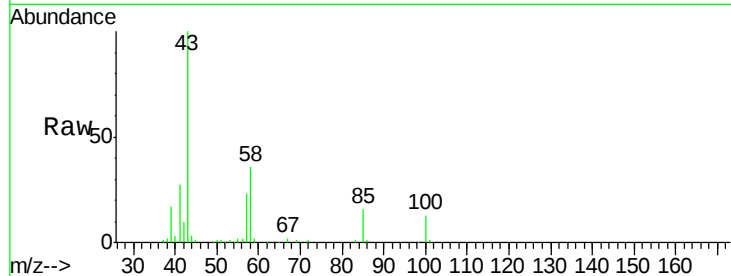


#45
4-Methyl-2-Pentanone
Concen: 34.810 ug/l
RT: 7.83 min Scan# 2018
Delta R.T. 0.00 min
Lab File: VU037132.D
Acq: 09 Mar 2020 13:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

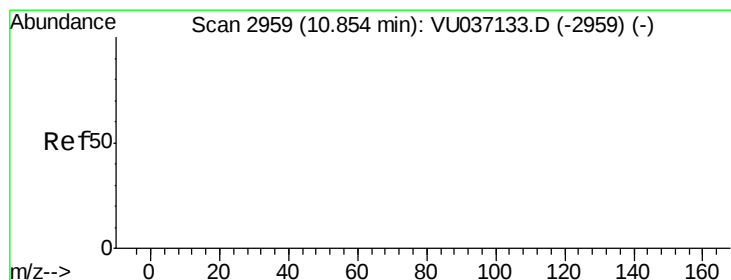
Tot Ion	Ratio	Lower	Upper
43	100		
58	35.3	22.1	66.1
85	15.1	17.4	26.0#

Manual Integrations
APPROVED



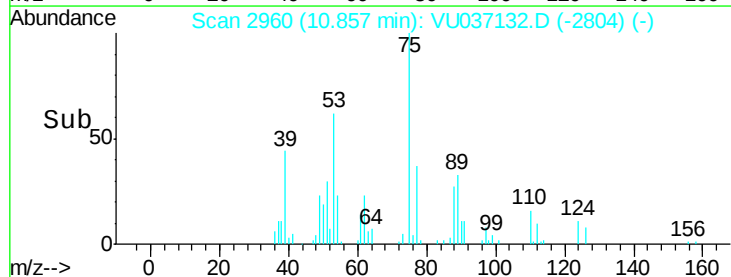
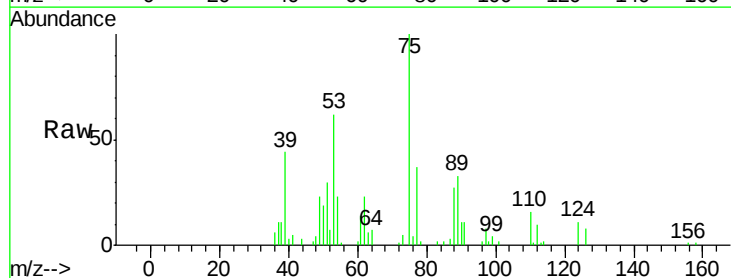
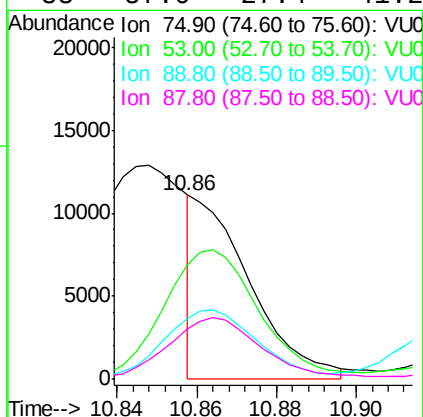
sam

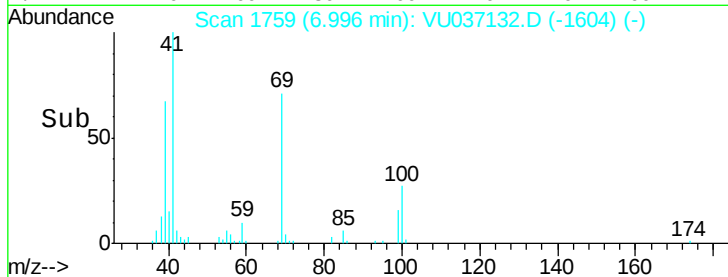
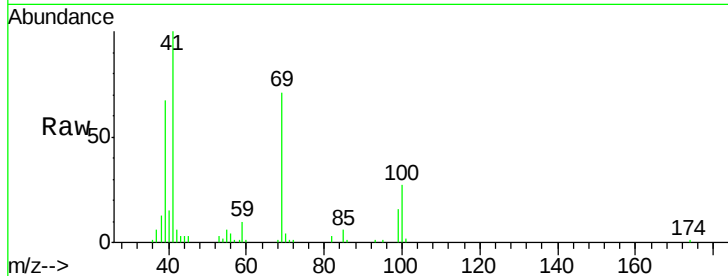
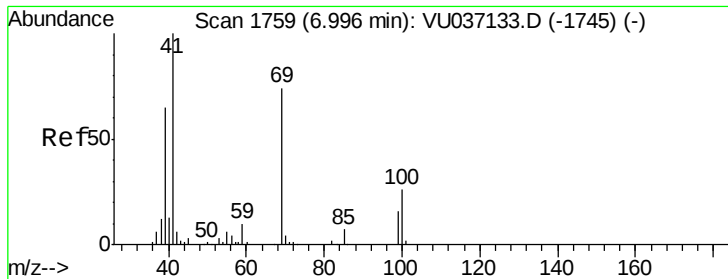
3/10/2020 3:07:04 PM



#46
t-1,4-Dichloro-2-butene
Concen: 8.852 ug/l m
RT: 10.86 min Scan# 2960
Delta R.T. 0.00 min
Lab File: VU037132.D
Acq: 09 Mar 2020 13:53

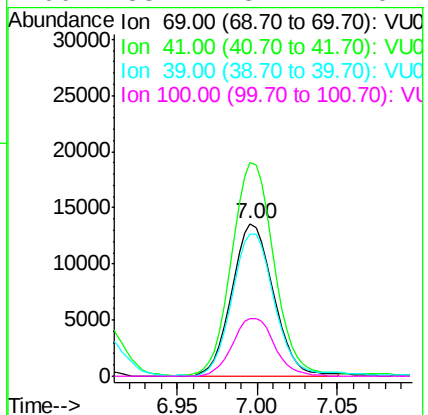
Tgt Ion	Ratio	Lower	Upper
75	100		
53	122.5	52.2	78.2#
89	63.6	39.8	59.6#
88	57.0	27.4	41.2#





#47
Methyl methacrylate
Concen: 10.124 ug/l
RT: 7.00 min Scan# 1759
Delta R.T. -0.00 min
Lab File: VU037132.D
Acq: 09 Mar 2020 13:53

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	145.1	0.0	200.8	
39	96.6	43.5	65.3	
100	38.2	31.1	46.7	

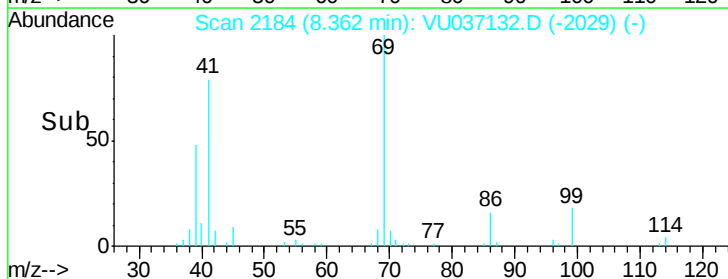
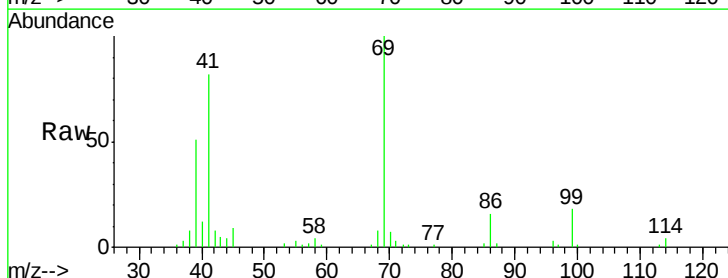
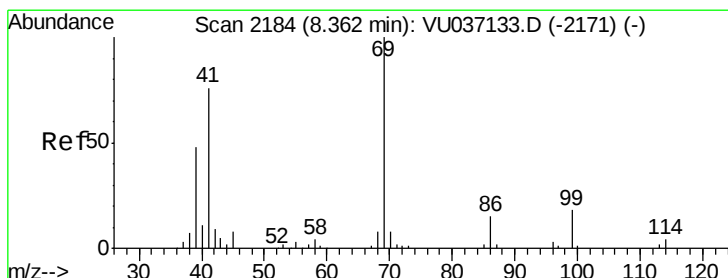


Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Manual Integrations
APPROVED

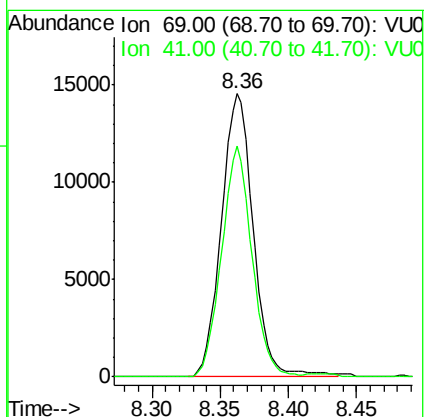
sam

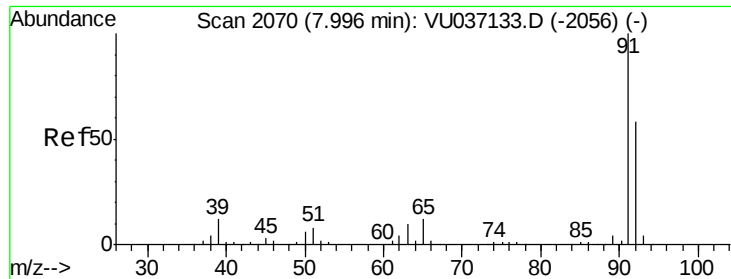
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#48
Ethyl methacrylate
Concen: 5.116 ug/l
RT: 8.36 min Scan# 2184
Delta R.T. -0.00 min
Lab File: VU037132.D
Acq: 09 Mar 2020 13:53

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	77.5	27.9	83.6	





#49

Toluene

Concen: 5.233 ug/l

RT: 8.00 min Scan# 2070

Delta R.T. -0.00 min

Lab File: VU037132.D

Acq: 09 Mar 2020 13:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

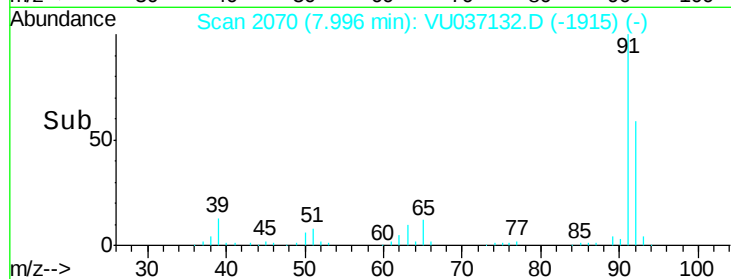
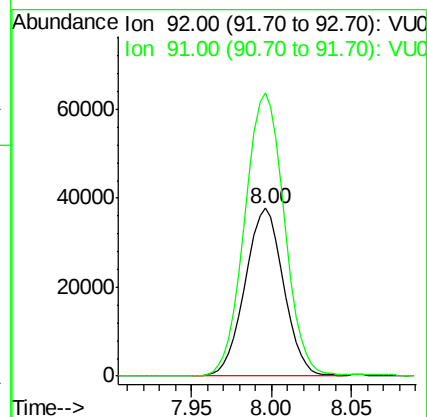
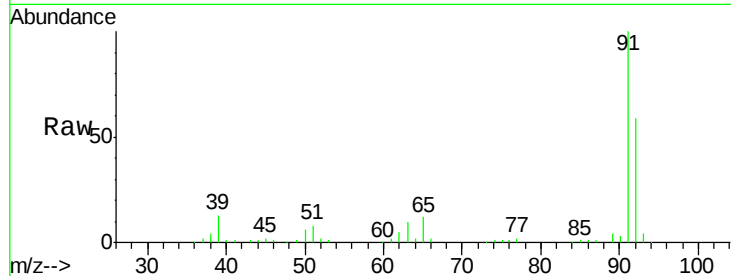
Tot Ion: 92 Resp: 62087

Ion Ratio Lower Upper

92 100

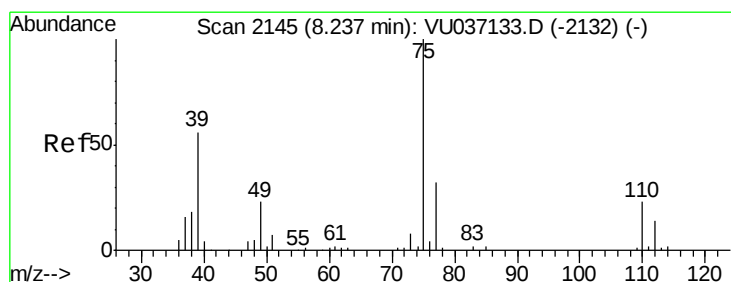
91 173.6 139.1 208.7

Manual Integrations
APPROVED



sam

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#50

t-1,3-Dichloropropene

Concen: 5.890 ug/l

RT: 8.24 min Scan# 2145

Delta R.T. -0.00 min

Lab File: VU037132.D

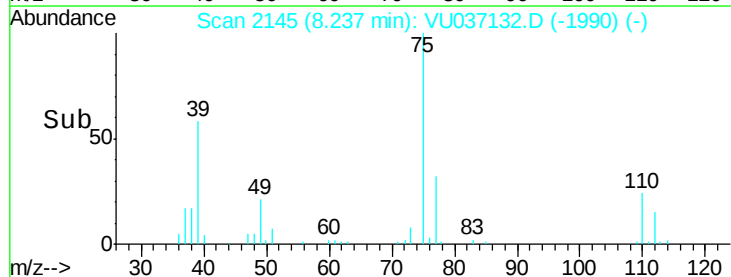
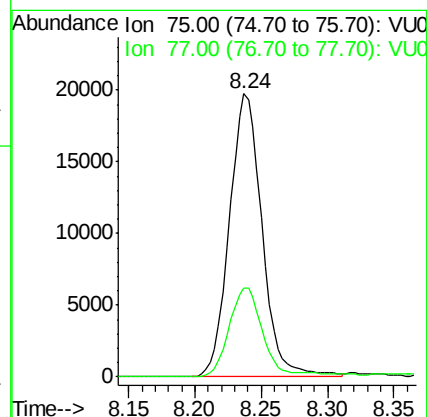
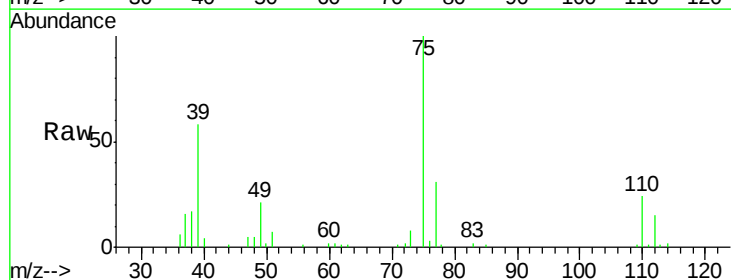
Acq: 09 Mar 2020 13:53

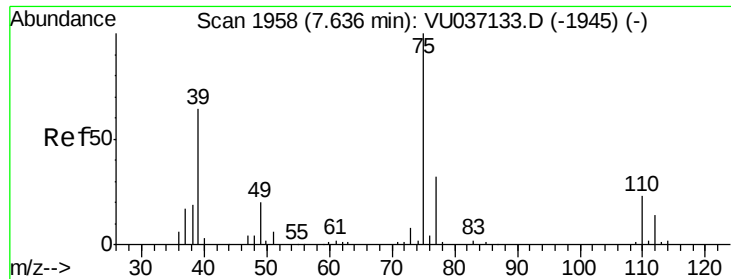
Tgt Ion: 75 Resp: 33865

Ion Ratio Lower Upper

75 100

77 31.5 25.4 38.2



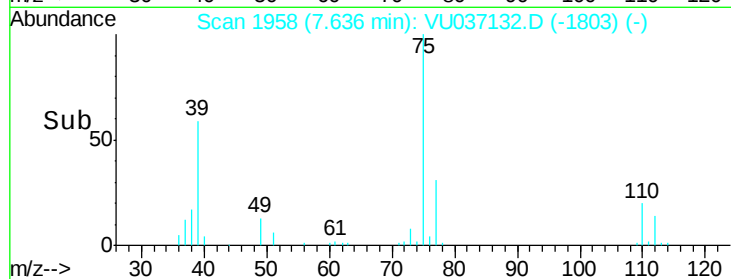
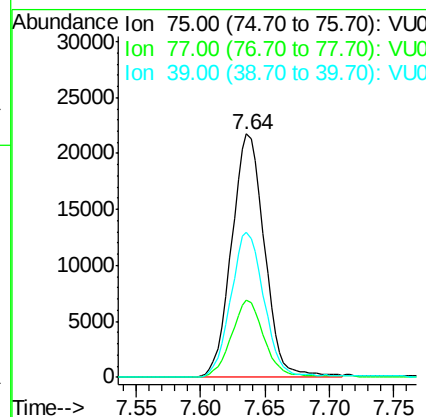
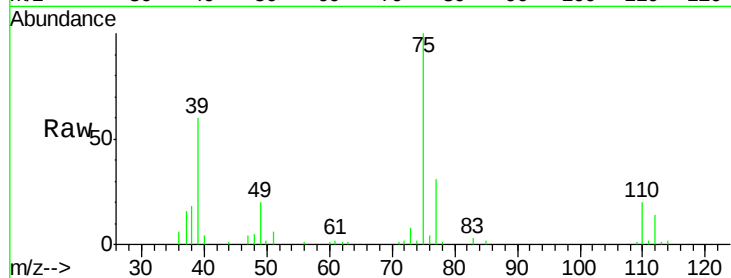


#51
 cis-1,3-Dichloropropene
 Concen: 5.534 ug/l
 RT: 7.64 min Scan# 1958
 Delta R.T. -0.00 min
 Lab File: VU037132.D
 Acq: 09 Mar 2020 13:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

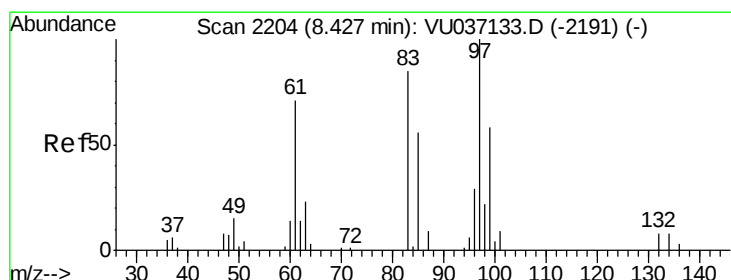
Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.3	37.9
39	59.7	31.8	47.6

Manual Integrations
 APPROVED



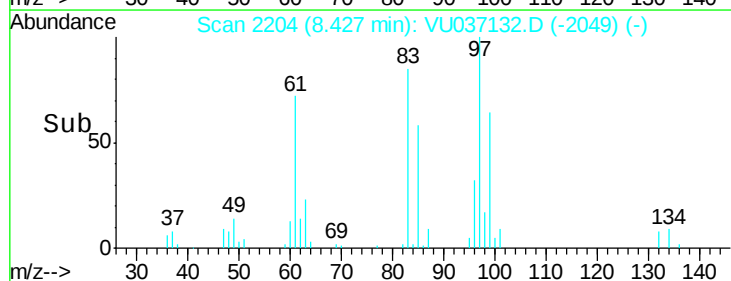
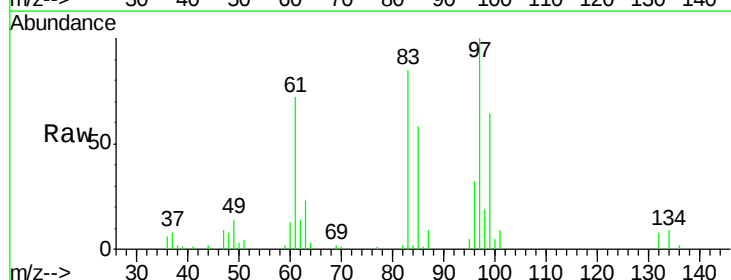
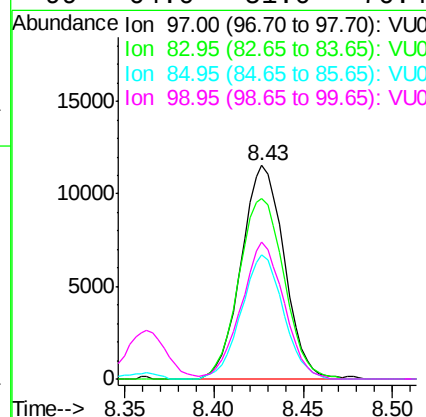
sam

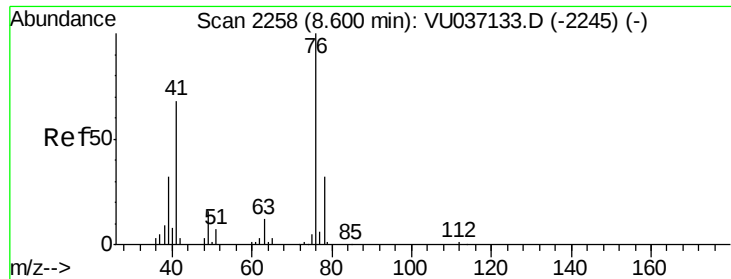
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#52
 1,1,2-Trichloroethane
 Concen: 5.599 ug/l
 RT: 8.43 min Scan# 2204
 Delta R.T. -0.00 min
 Lab File: VU037132.D
 Acq: 09 Mar 2020 13:53

Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.8	70.9	106.3
85	58.2	45.6	68.4
99	64.0	51.0	76.4





#53

1,3-Dichloropropane

Concen: 5.580 ug/l

RT: 8.60 min Scan# 2258

Delta R.T. -0.00 min

Lab File: VU037132.D

Acq: 09 Mar 2020 13:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 33100

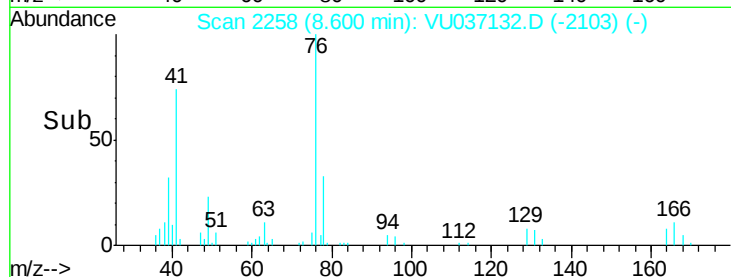
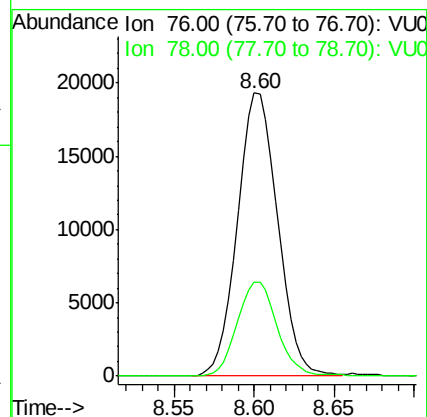
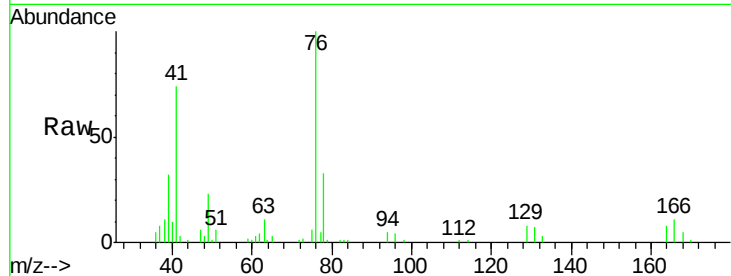
Ion Ratio Lower Upper

76 100

78 32.7 25.4 38.2

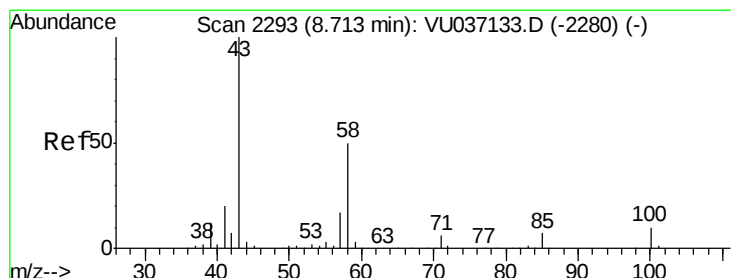
Manual Integrations

APPROVED



sam

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#54

2-Hexanone

Concen: 34.325 ug/l

RT: 8.72 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VU037132.D

Acq: 09 Mar 2020 13:53

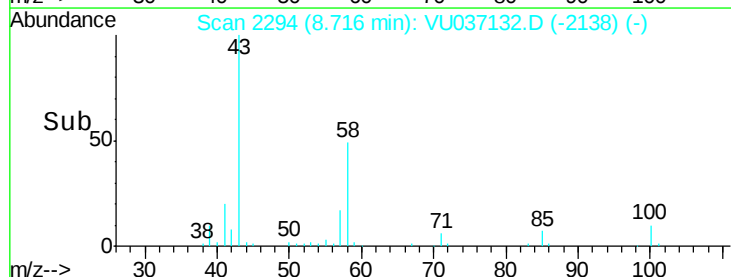
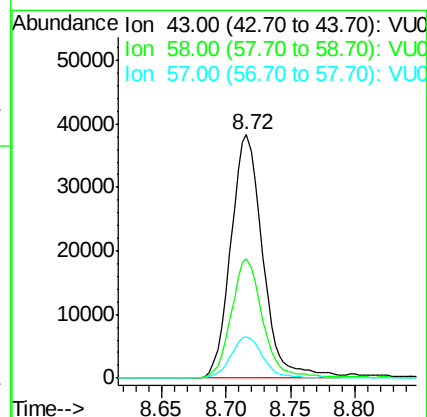
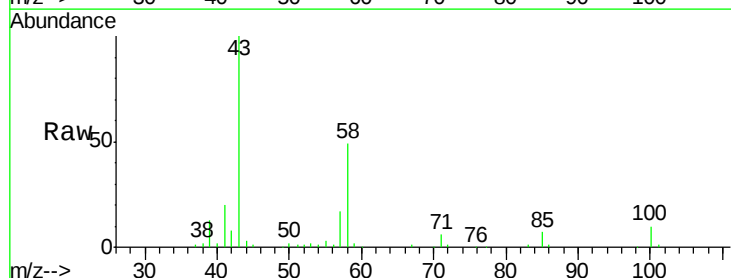
Tgt Ion: 43 Resp: 66155

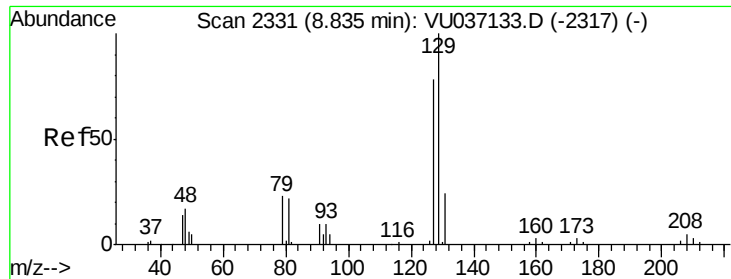
Ion Ratio Lower Upper

43 100

58 47.9 40.6 80.6

57 17.0 1.2 41.2



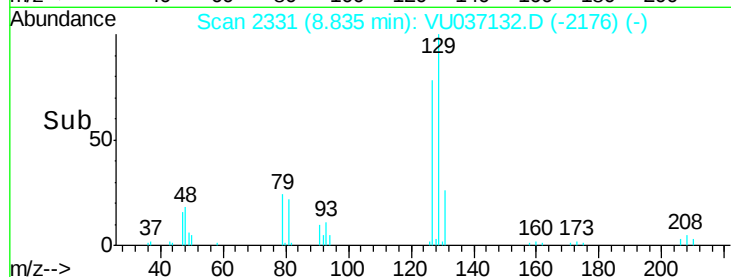
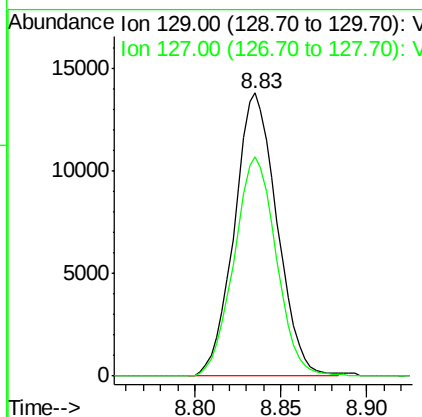
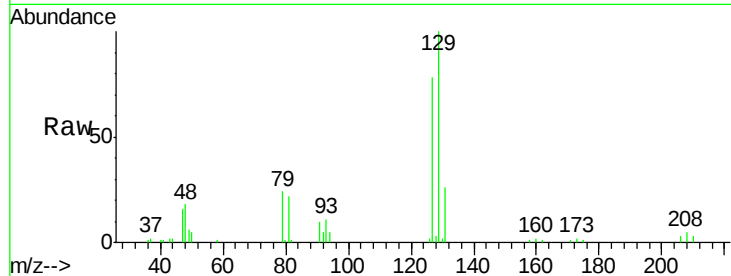


#55
 Dibromochloromethane
 Concen: 5.976 ug/l
 RT: 8.83 min Scan# 2331
 Delta R.T. -0.00 min
 Lab File: VU037132.D
 Acq: 09 Mar 2020 13:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

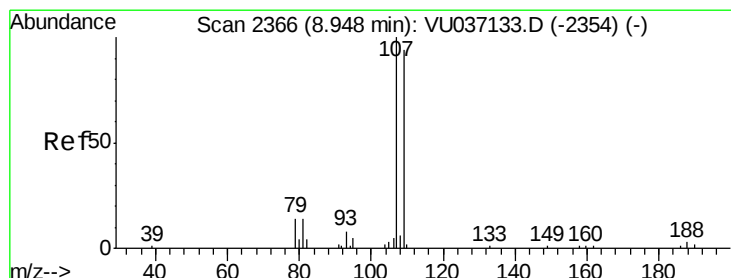
Tot Ion	Ratio	Lower	Upper
129	100		
127	76.6	62.6	94.0

Manual Integrations
 APPROVED



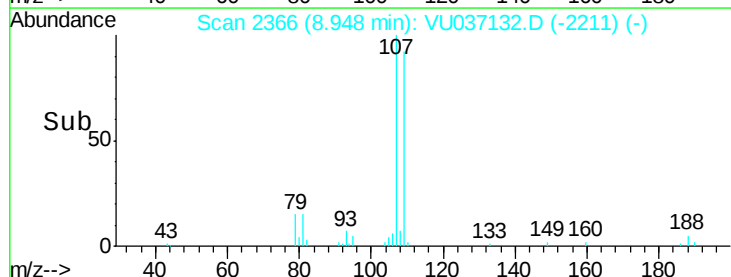
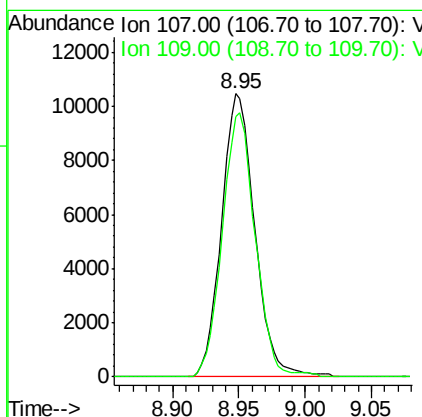
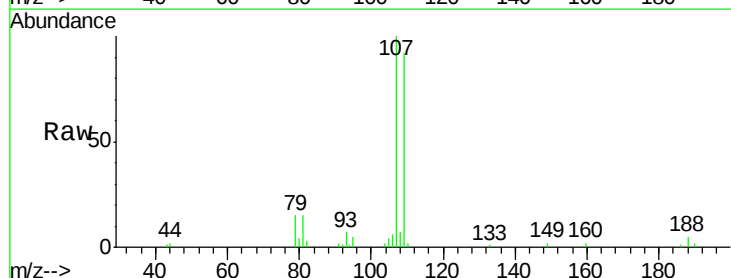
sam

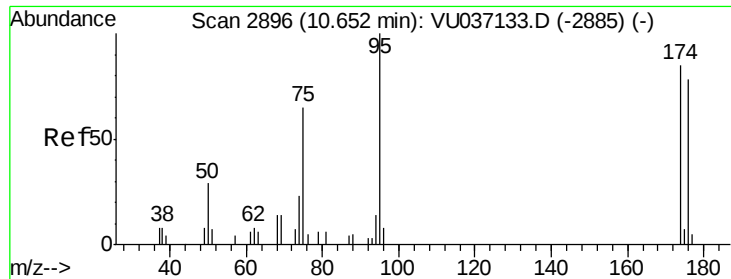
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#56
 1,2-Dibromoethane
 Concen: 5.470 ug/l
 RT: 8.95 min Scan# 2366
 Delta R.T. -0.00 min
 Lab File: VU037132.D
 Acq: 09 Mar 2020 13:53

Tgt Ion	Ratio	Lower	Upper
107	100		
109	92.3	0.0	190.8



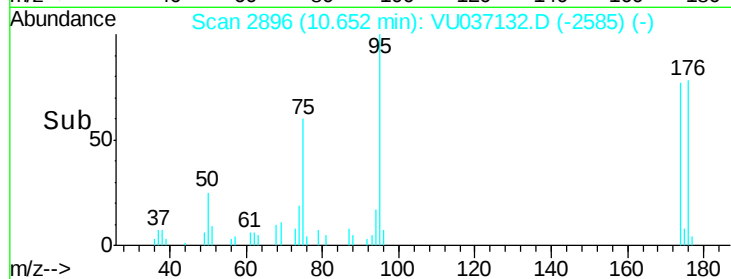
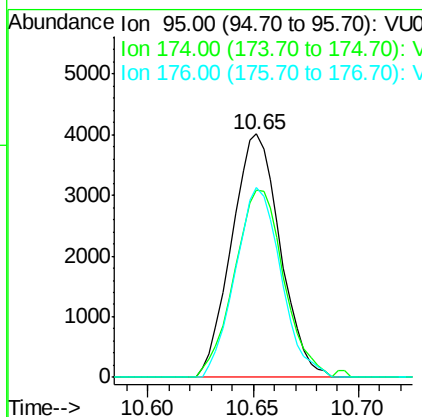
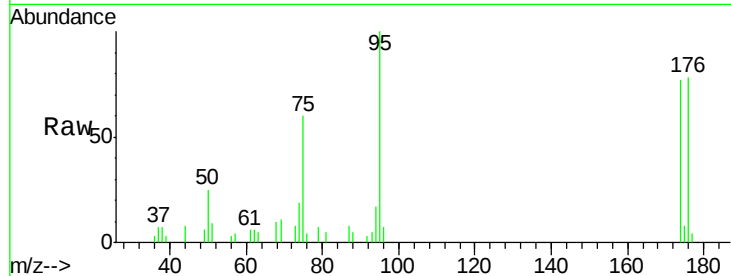


#57
4-Bromofluorobenzene
Concen: 1.011 ug/l
RT: 10.65 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VU037132.D
Acq: 09 Mar 2020 13:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

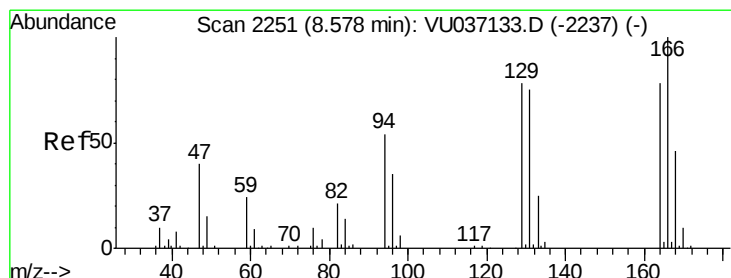
Tot Ion	Ratio	Lower	Upper
95	100		
174	78.8	64.7	97.1
176	73.9	60.6	91.0

Manual Integrations
APPROVED



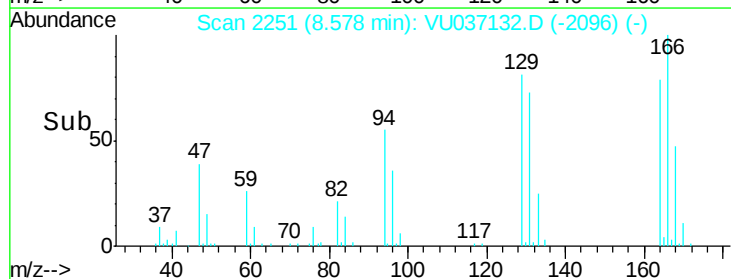
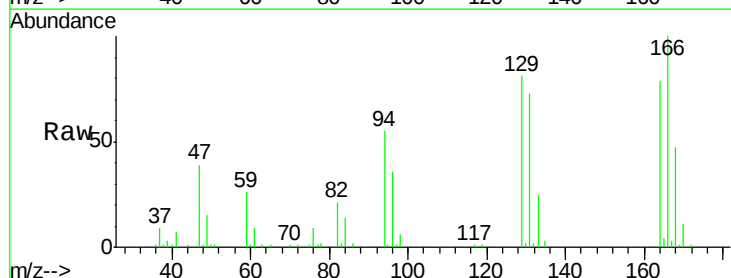
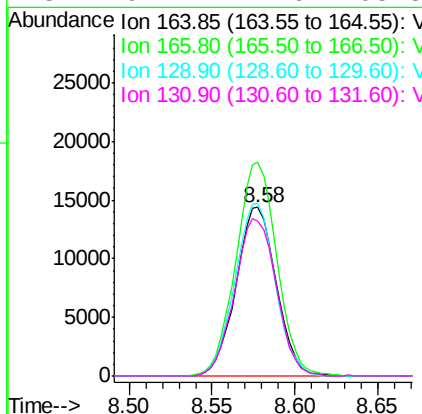
sam

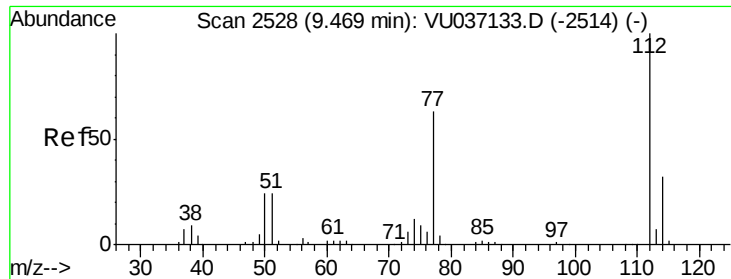
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#58
Tetrachloroethene
Concen: 4.723 ug/l
RT: 8.58 min Scan# 2251
Delta R.T. -0.00 min
Lab File: VU037132.D
Acq: 09 Mar 2020 13:53

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.6	102.0	153.0
129	102.1	74.9	112.3
131	92.1	72.6	108.8



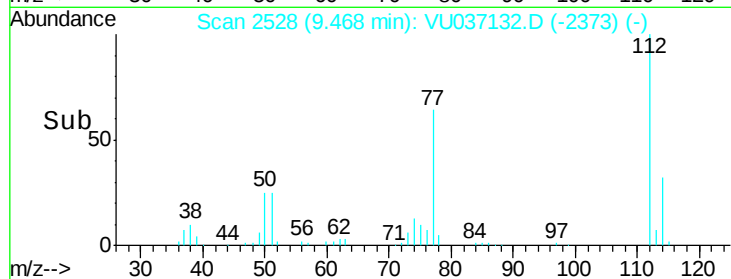
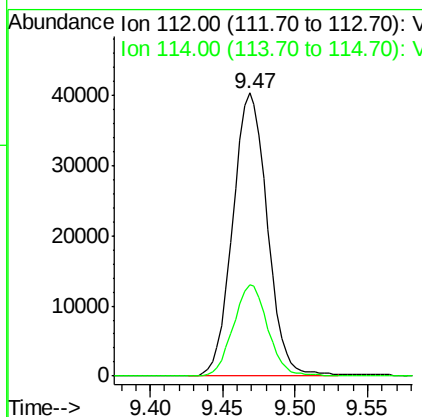
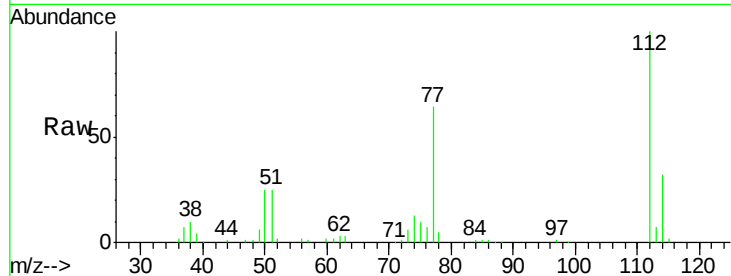


#59
Chlorobenzene
Concen: 5.057 ug/l
RT: 9.47 min Scan# 2528
Delta R.T. -0.00 min
Lab File: VU037132.D
Acq: 09 Mar 2020 13:53

Instrument :
MSVOA_U
ClientSampled :
VSTDIC005

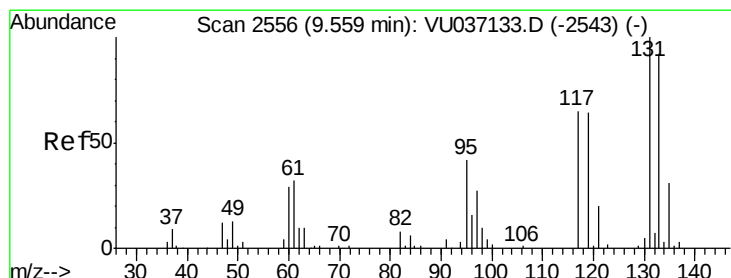
Tot Ion:112 Resp: 66833
Ion Ratio Lower Upper
112 100
114 32.5 25.8 38.8

Manual Integrations
APPROVED



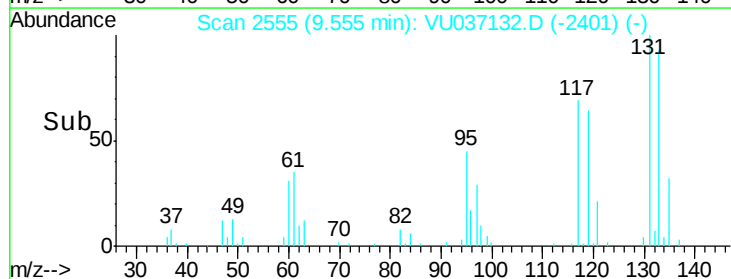
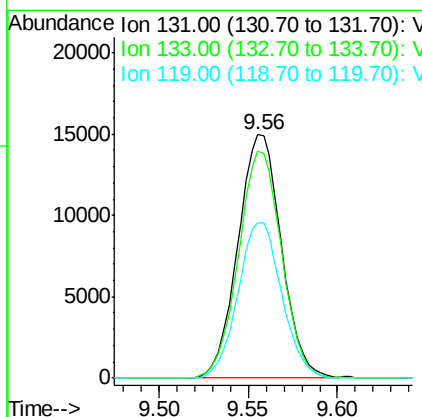
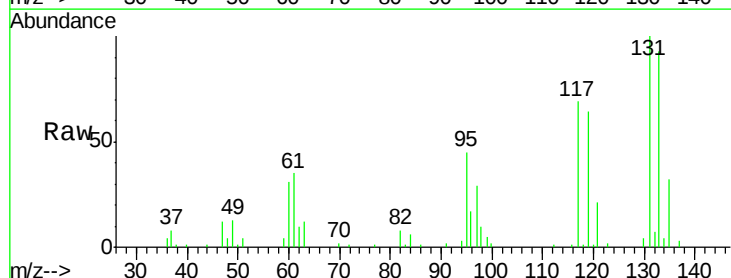
sam

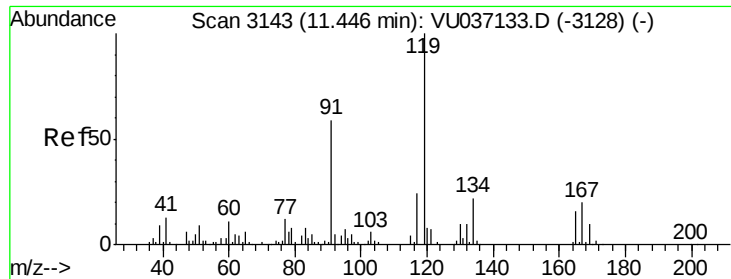
3/10/2020 3:07:04 PM



#60
1,1,1,2-Tetrachloroethane
Concen: 6.033 ug/l
RT: 9.56 min Scan# 2555
Delta R.T. -0.00 min
Lab File: VU037132.D
Acq: 09 Mar 2020 13:53

Tgt Ion:131 Resp: 25467
Ion Ratio Lower Upper
131 100
133 92.5 76.4 114.6
119 64.0 56.6 85.0



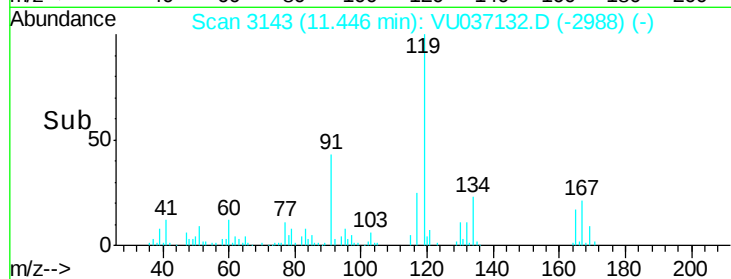
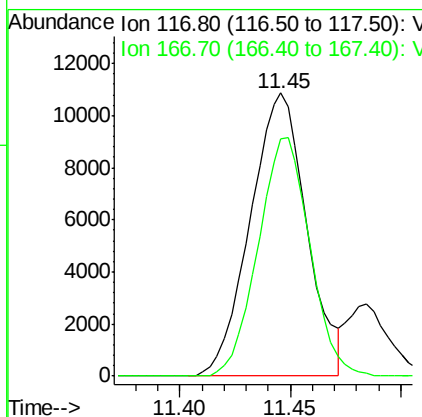
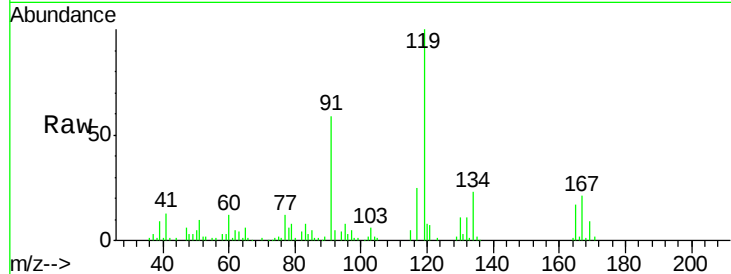


#61
 Pentachloroethane
 Concen: 7.083 ug/l
 RT: 11.45 min Scan# 3143
 Delta R.T. -0.00 min
 Lab File: VU037132.D
 Acq: 09 Mar 2020 13:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

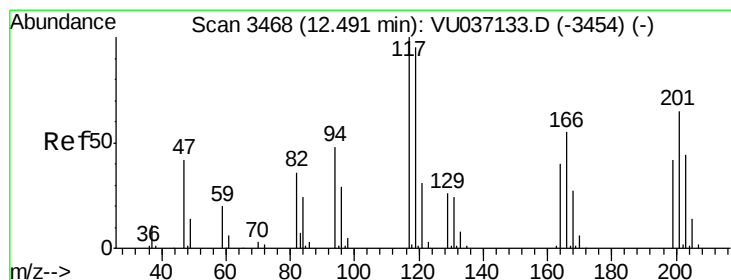
Tot Ion:117 Resp: 19290
 Ion Ratio Lower Upper
 117 100
 167 77.0 66.7 100.1

Manual Integrations
 APPROVED



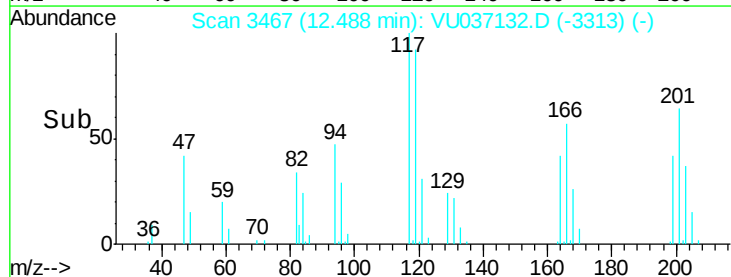
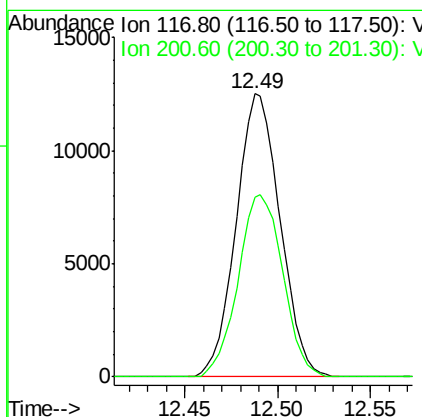
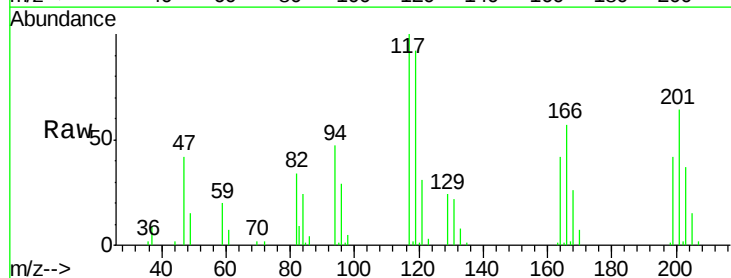
sam

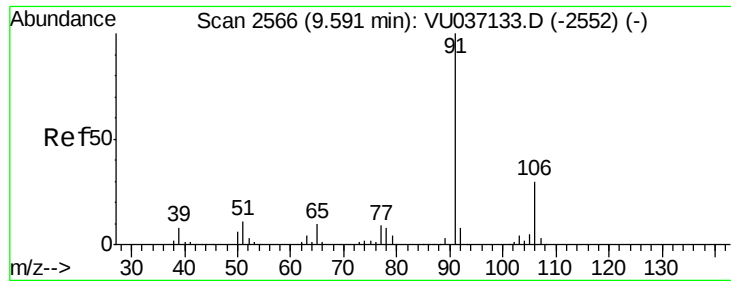
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#62
 Hexachloroethane
 Concen: 5.926 ug/l
 RT: 12.49 min Scan# 3467
 Delta R.T. -0.00 min
 Lab File: VU037132.D
 Acq: 09 Mar 2020 13:53

Tgt Ion:117 Resp: 20569
 Ion Ratio Lower Upper
 117 100
 201 65.4 65.0 97.4



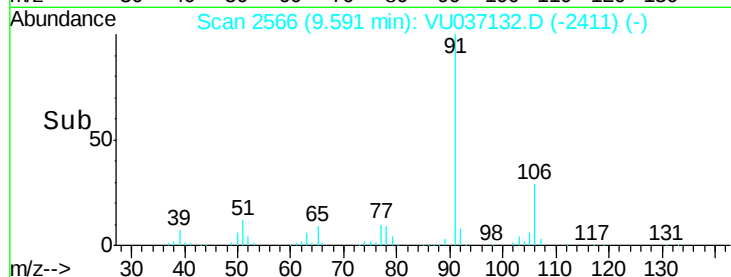
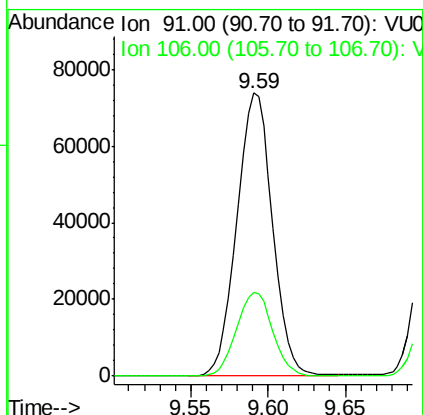
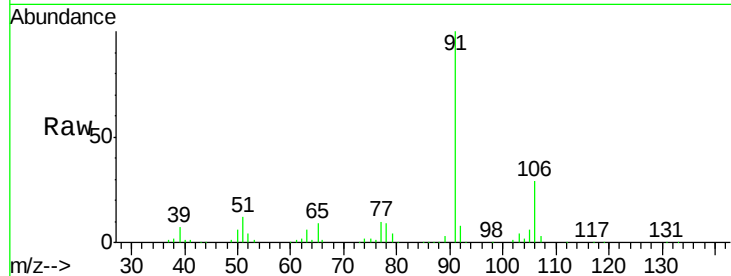


#63
Ethyl Benzene
Concen: 5.337 ug/l
RT: 9.59 min Scan# 2566
Delta R.T. -0.00 min
Lab File: VU037132.D
Acq: 09 Mar 2020 13:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

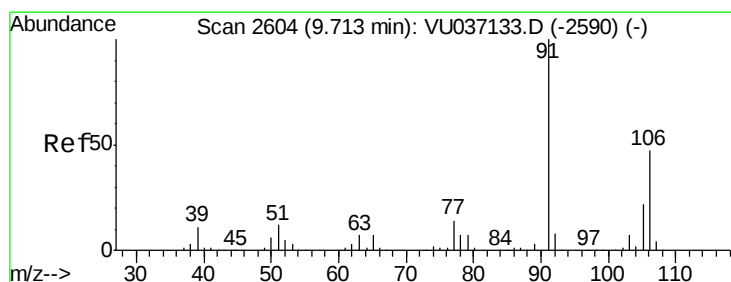
Tot Ion: 91 Resp: 118214
Ion Ratio Lower Upper
91 100
106 29.4 26.0 39.0

Manual Integrations
APPROVED



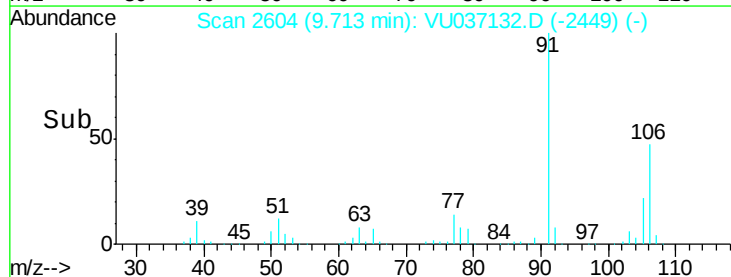
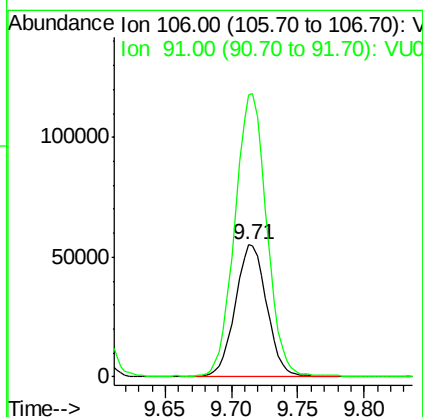
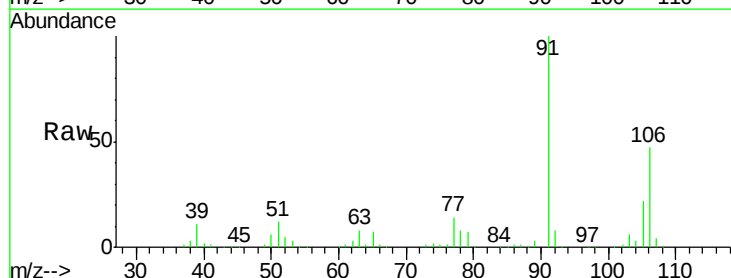
sam

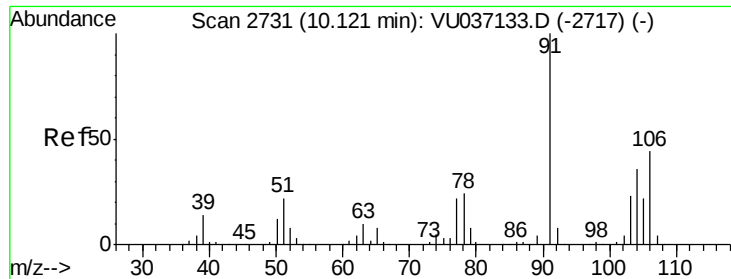
3/10/2020 3:07:04 PM



#64
m/p-Xylenes
Concen: 10.437 ug/l
RT: 9.71 min Scan# 2604
Delta R.T. -0.00 min
Lab File: VU037132.D
Acq: 09 Mar 2020 13:53

Tgt Ion: 106 Resp: 91510
Ion Ratio Lower Upper
106 100
91 214.4 158.2 237.4



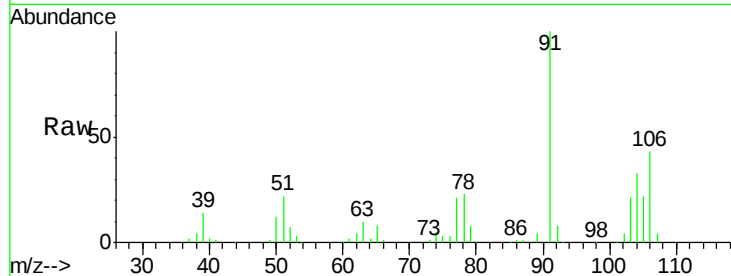


#65
o-Xylene
Concen: 5.132 ug/l
RT: 10.12 min Scan# 2731
Delta R.T. -0.00 min
Lab File: VU037132.D
Acq: 09 Mar 2020 13:53

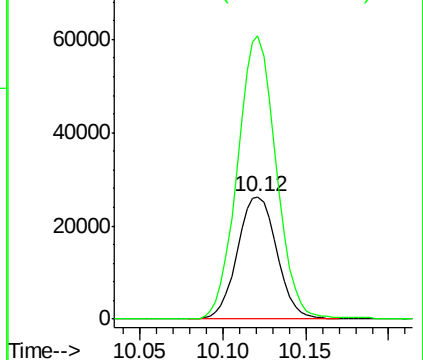
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 43574
Ion Ratio Lower Upper
106 100
91 225.7 104.3 312.9

Manual Integrations
APPROVED

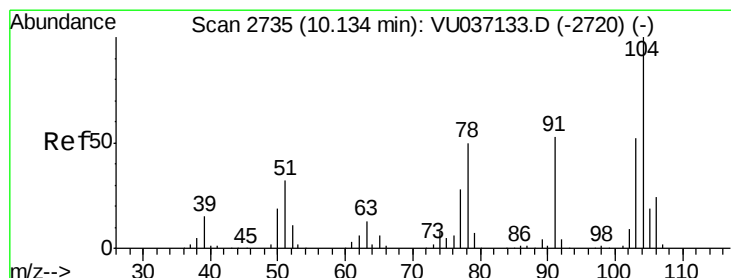
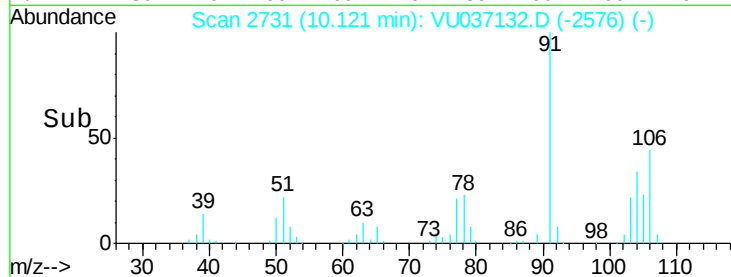


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0



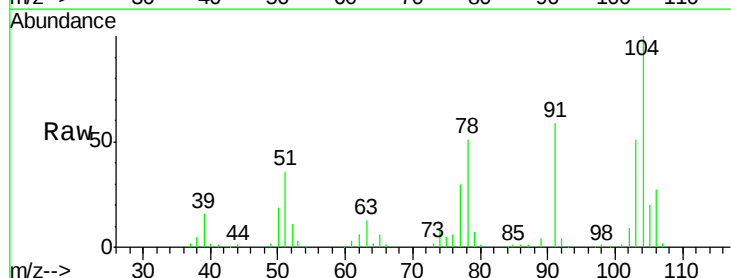
sam

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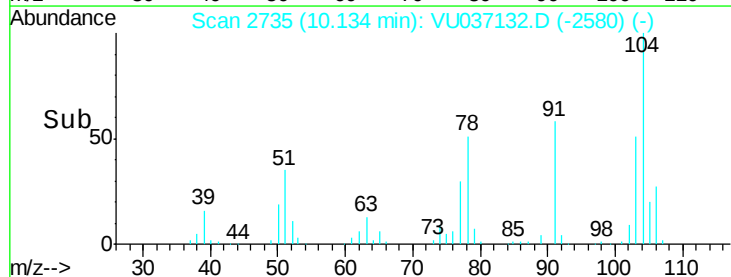
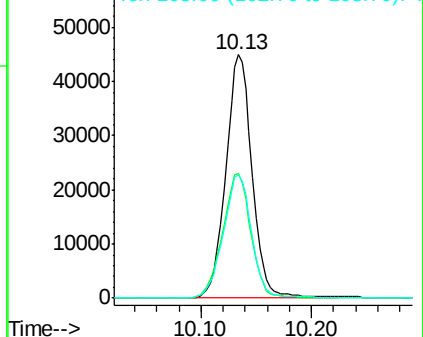


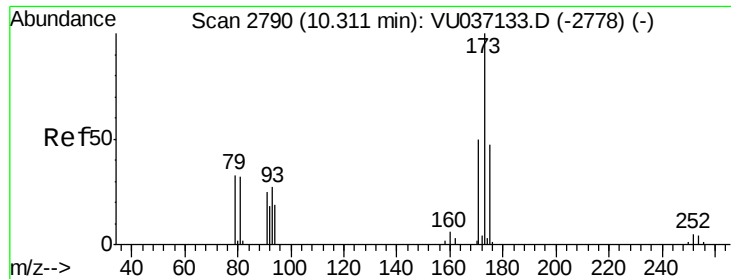
#66
Styrene
Concen: 5.217 ug/l
RT: 10.13 min Scan# 2735
Delta R.T. -0.00 min
Lab File: VU037132.D
Acq: 09 Mar 2020 13:53

Tgt Ion:104 Resp: 74182
Ion Ratio Lower Upper
104 100
78 55.2 38.6 57.8
103 54.2 44.4 66.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V



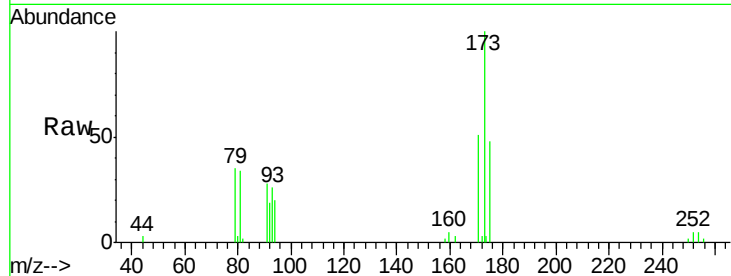


#67
Bromoform
Concen: 5.699 ug/l
RT: 10.31 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VU037132.D
Acq: 09 Mar 2020 13:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.5	38.3	57.5
254	4.3	6.6	9.8#

Manual Integrations
APPROVED

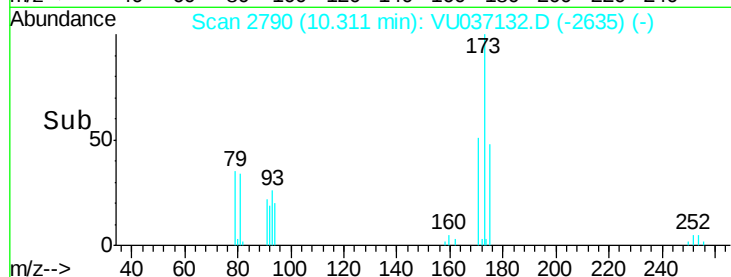
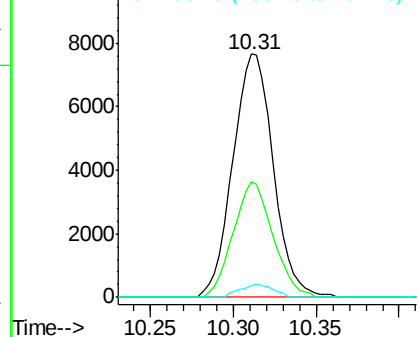


Abundance

Ion 172.90 (172.60 to 173.60): V

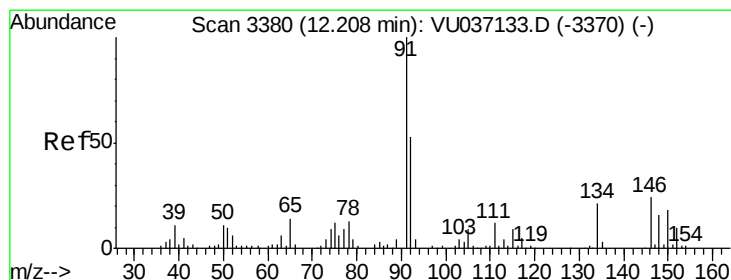
Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V



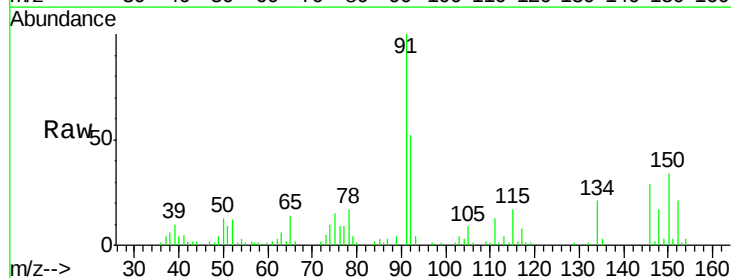
sam

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#68
1,2-Dichlorobenzene-d4
Concen: 1.030 ug/l
RT: 12.21 min Scan# 3380
Delta R.T. -0.00 min
Lab File: VU037132.D
Acq: 09 Mar 2020 13:53

Tgt Ion	Ratio	Lower	Upper
152	100		
115	113.4	0.0	241.8
150	241.3	0.0	652.4

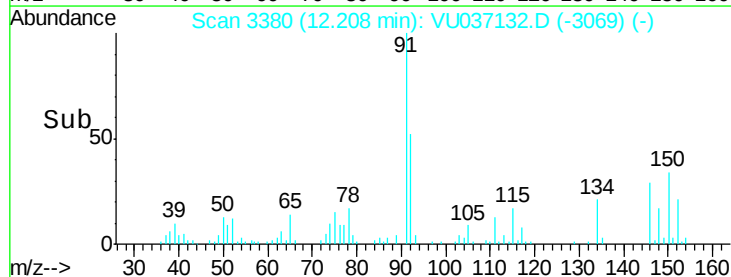
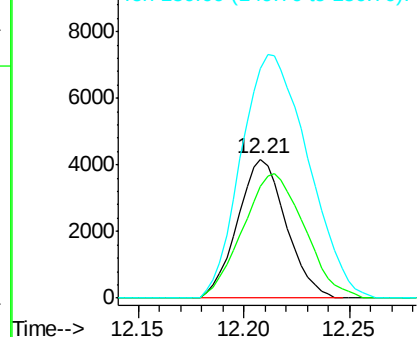


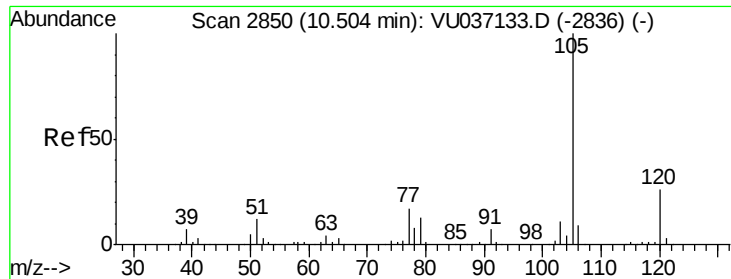
Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V



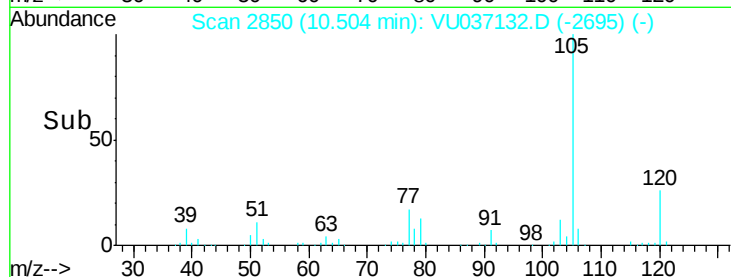
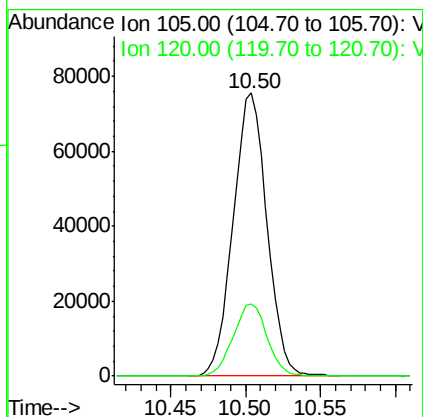
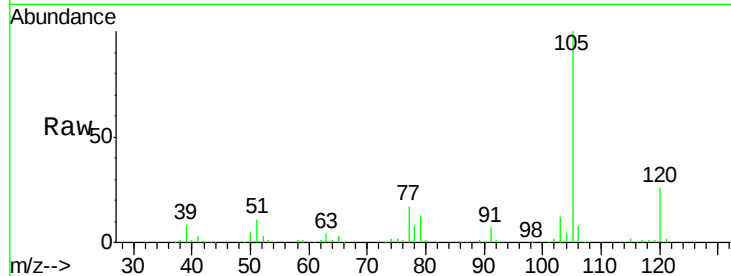


#69
Isopropylbenzene
Concen: 5.330 ug/l
RT: 10.50 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VU037132.D
Acq: 09 Mar 2020 13:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

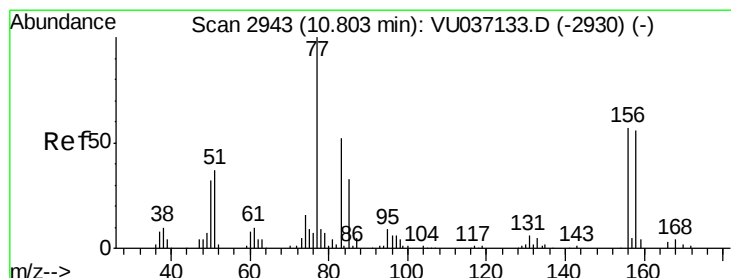
Tot Ion	Ratio	Lower	Upper
105	100		
120	25.7	13.6	40.7

Manual Integrations
APPROVED



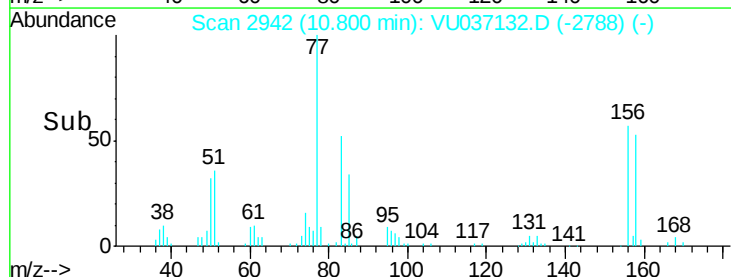
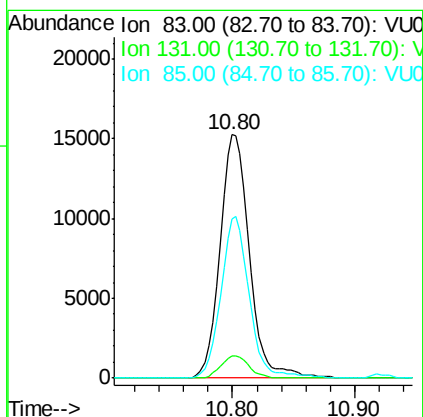
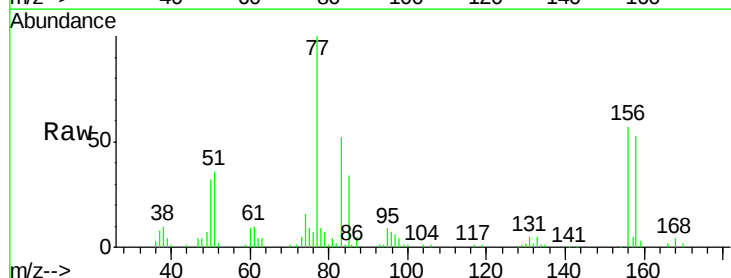
sam

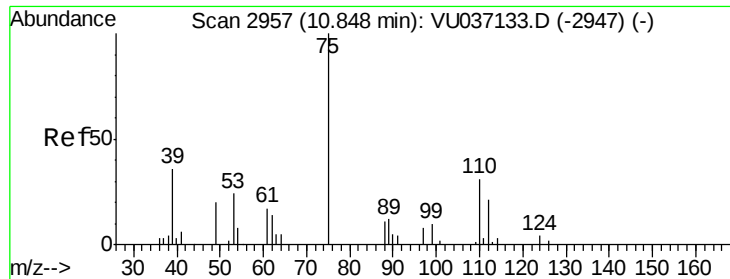
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#70
1,1,2,2-Tetrachloroethane
Concen: 5.923 ug/l
RT: 10.80 min Scan# 2942
Delta R.T. -0.00 min
Lab File: VU037132.D
Acq: 09 Mar 2020 13:53

Tgt Ion	Ratio	Lower	Upper
83	100		
131	8.6	7.8	11.8
85	63.8	53.2	79.8



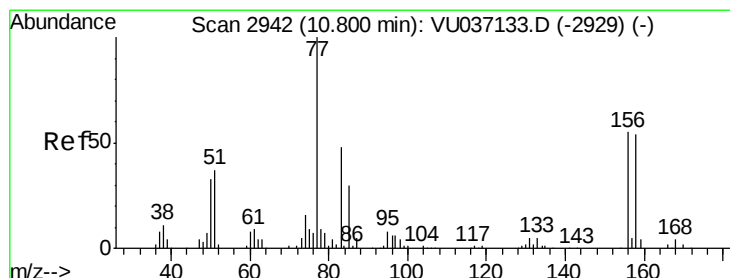
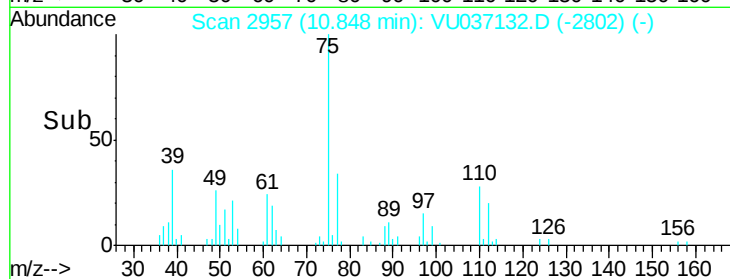
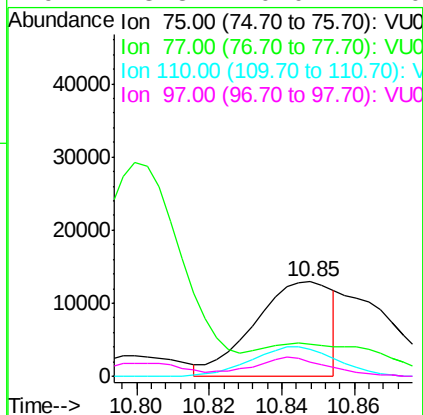
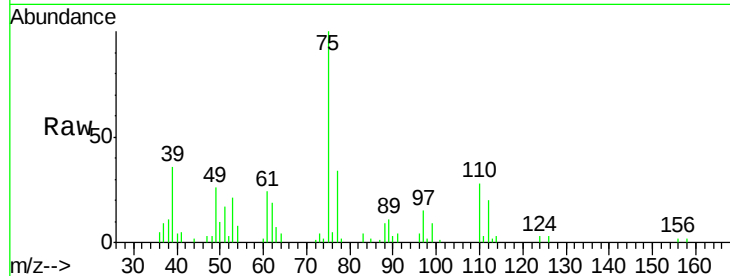


#71
 1,2,3-Trichloropropane
 Concen: 6.256 ug/l m
 RT: 10.85 min Scan# 2957
 Delta R.T. -0.00 min
 Lab File: VU037132.D
 Acq: 09 Mar 2020 13:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

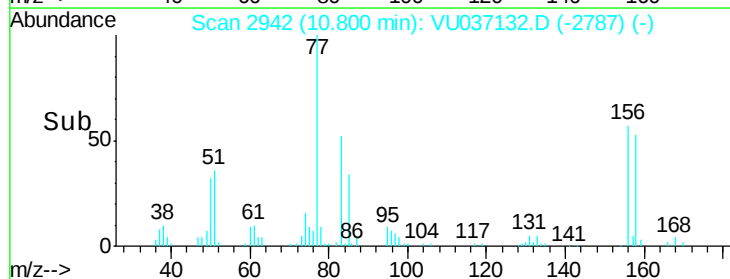
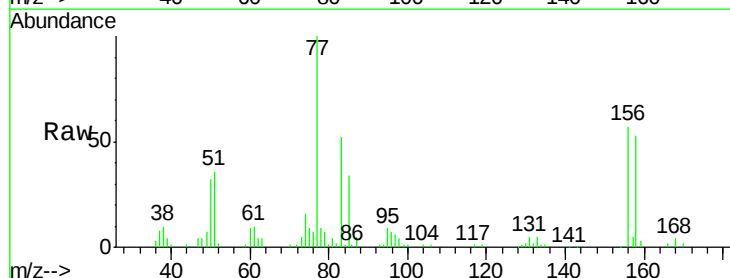
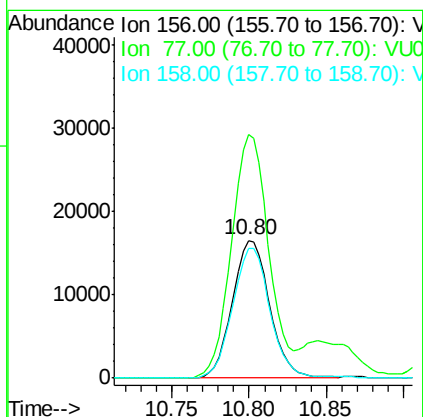
Tot Ion:	75	Resp:	19490
Ion	Ratio	Lower	Upper
75	100		
77	53.5	0.0	129.6
110	33.6	0.0	77.4
97	18.8	0.0	42.0

Manual Integrations
 APPROVED



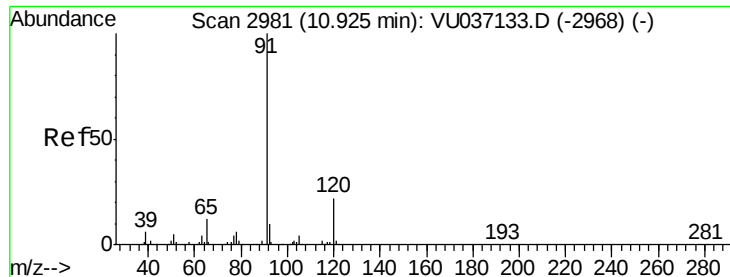
#72
 Bromobenzene
 Concen: 5.144 ug/l
 RT: 10.80 min Scan# 2942
 Delta R.T. -0.00 min
 Lab File: VU037132.D
 Acq: 09 Mar 2020 13:53

Tgt Ion:	156	Resp:	27640
Ion	Ratio	Lower	Upper
156	100		
77	176.4	0.0	306.6
158	95.1	0.0	192.0



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#73

n-propylbenzene

Concen: 5.094 ug/l

RT: 10.92 min Scan# 2981

Delta R.T. -0.00 min

Lab File: VU037132.D

Acq: 09 Mar 2020 13:53

Instrument :

MSVOA_U

ClientSampled :

VSTDIC005

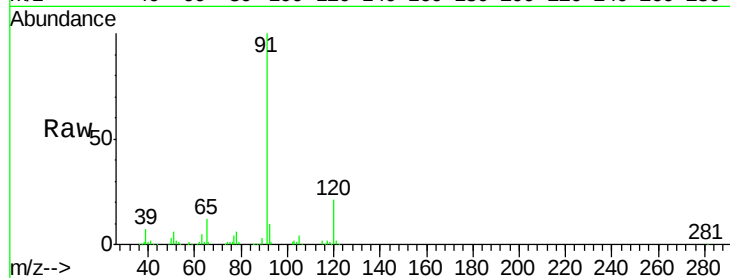
Tot Ion:120 Resp: 31879

Ion Ratio Lower Upper

120 100

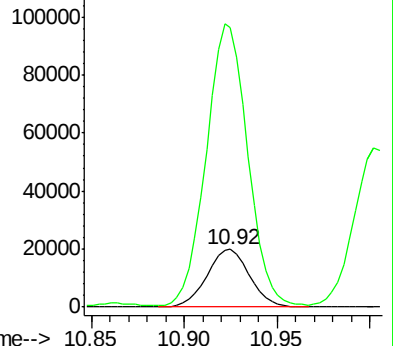
91 473.3 329.5 494.3

Manual Integrations
APPROVED



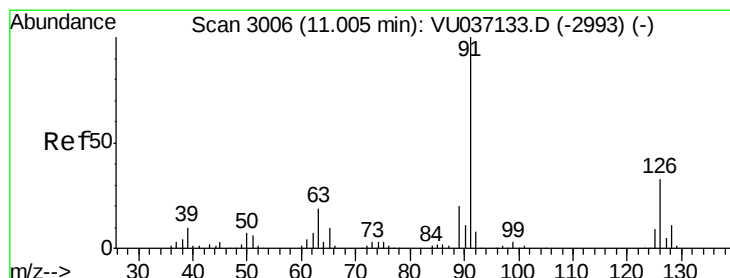
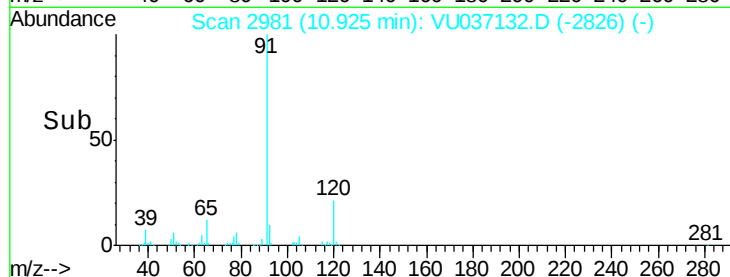
Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



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#74

2-Chlorotoluene

Concen: 5.275 ug/l

RT: 11.01 min Scan# 3006

Delta R.T. -0.00 min

Lab File: VU037132.D

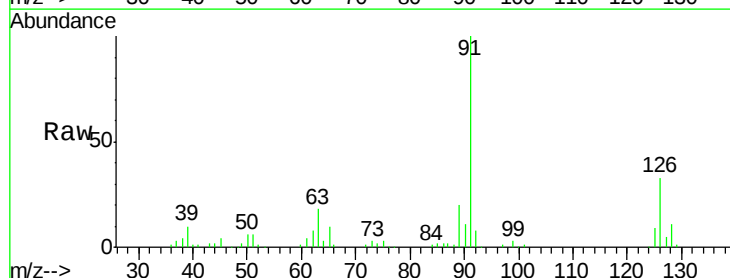
Acq: 09 Mar 2020 13:53

Tgt Ion:126 Resp: 28353

Ion Ratio Lower Upper

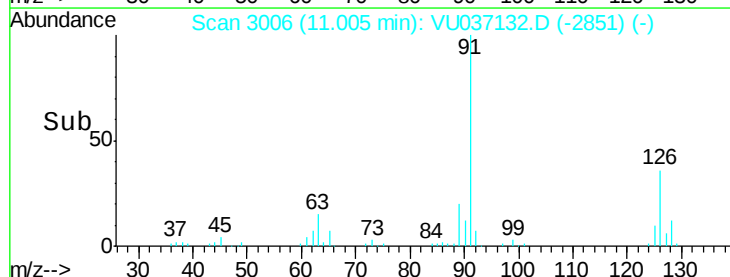
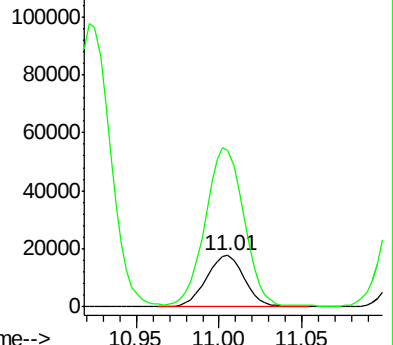
126 100

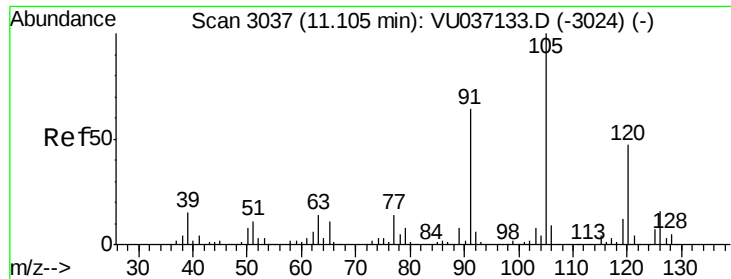
91 312.8 0.0 567.4



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: 5.563 ug/l

RT: 11.10 min Scan# 3037

Delta R.T. -0.00 min

Lab File: VU037132.D

Acq: 09 Mar 2020 13:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

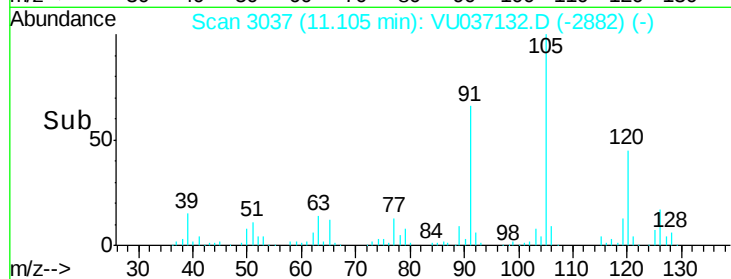
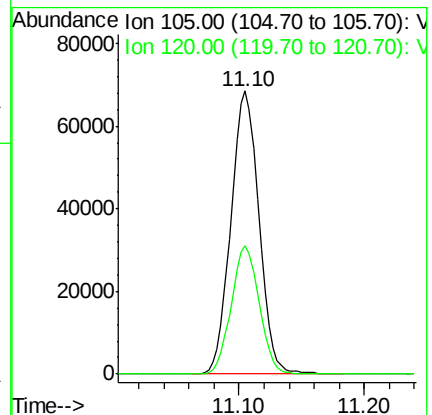
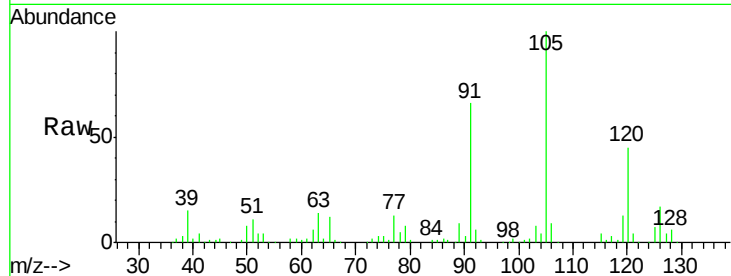
Tot Ion:105 Resp: 106424

Ion Ratio Lower Upper

105 100

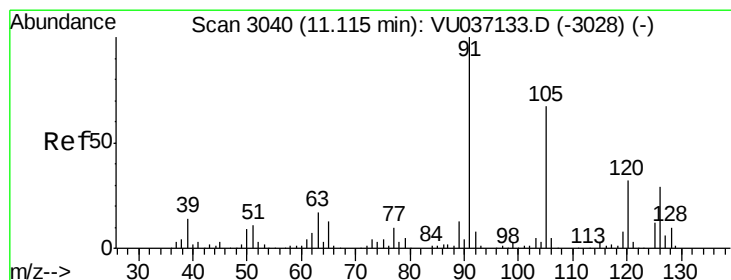
120 45.1 39.8 59.8

Manual Integrations
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#76

4-Chlorotoluene

Concen: 5.363 ug/l

RT: 11.11 min Scan# 3040

Delta R.T. -0.00 min

Lab File: VU037132.D

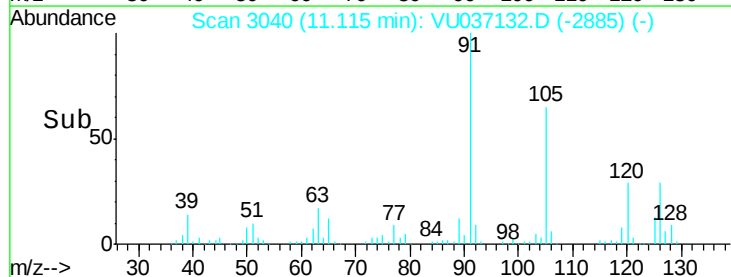
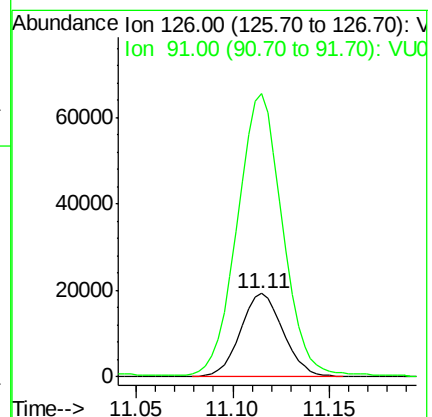
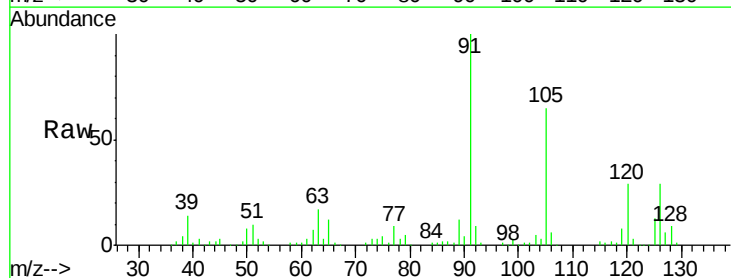
Acq: 09 Mar 2020 13:53

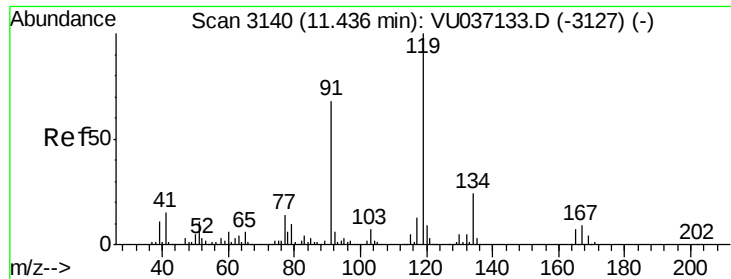
Tgt Ion:126 Resp: 29783

Ion Ratio Lower Upper

126 100

91 363.1 0.0 633.0





#77

tert-Butylbenzene

Concen: 5.556 ug/l

RT: 11.44 min Scan# 3140

Delta R.T. -0.00 min

Lab File: VU037132.D

Acq: 09 Mar 2020 13:53

Instrument :

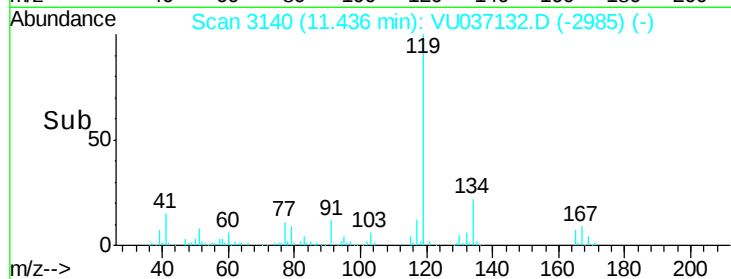
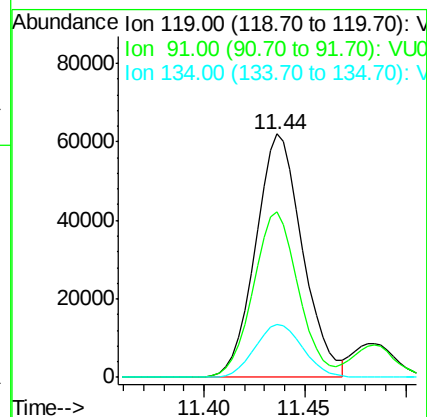
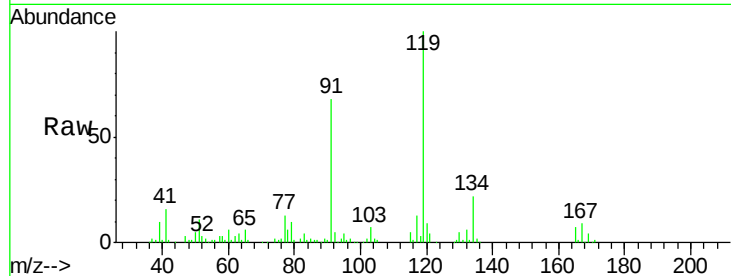
MSVOA_U

ClientSampleId :

VSTDIC005

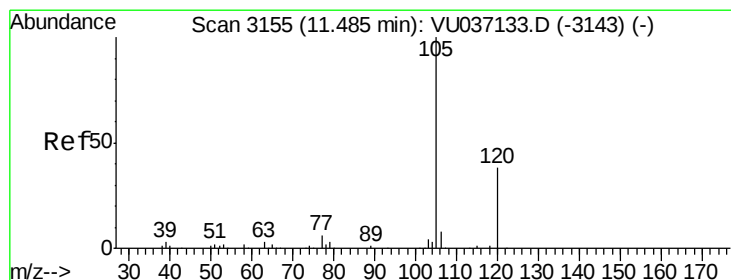
Tot Ion:	119	Resp:	100712
Ion Ratio	Lower	Upper	
119	100		
91	65.6	29.3	87.8
134	22.3	19.0	28.4

Manual Integrations
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#78

1,2,4-Trimethylbenzene

Concen: 5.509 ug/l

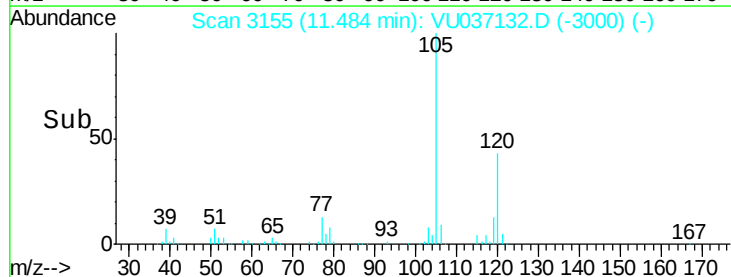
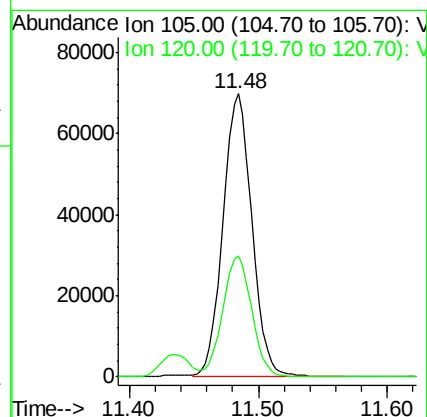
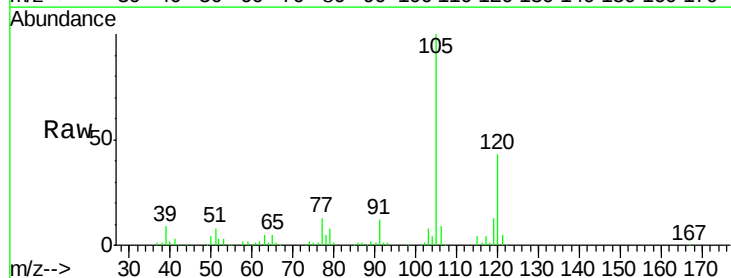
RT: 11.48 min Scan# 3155

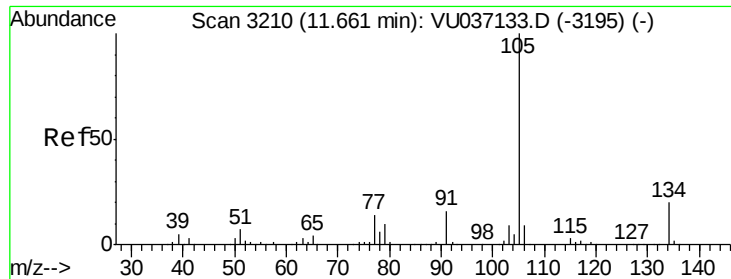
Delta R.T. -0.00 min

Lab File: VU037132.D

Acq: 09 Mar 2020 13:53

Tgt Ion:	105	Resp:	108662
Ion Ratio	Lower	Upper	
105	100		
120	43.0	23.3	69.8





#79

sec-Butylbenzene

Concen: 5.478 ug/l

RT: 11.66 min Scan# 3209

Delta R.T. -0.00 min

Lab File: VU037132.D

Acq: 09 Mar 2020 13:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

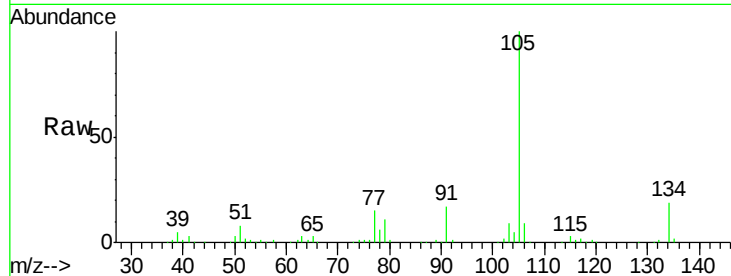
Tot Ion:105 Resp: 137770

Ion Ratio Lower Upper

105 100

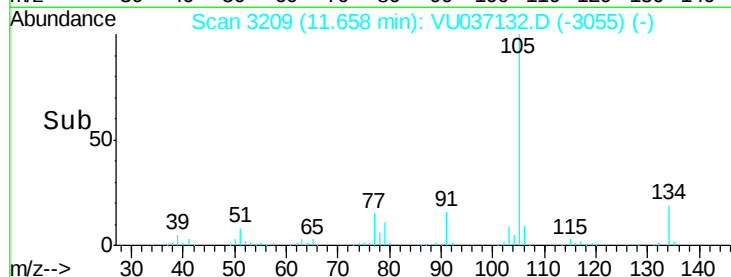
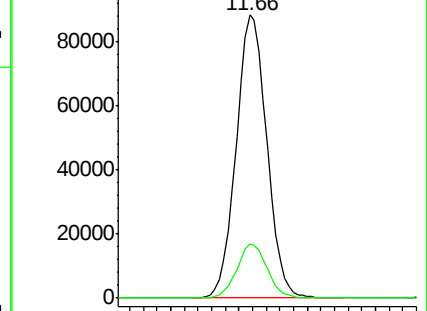
134 18.9 16.0 24.0

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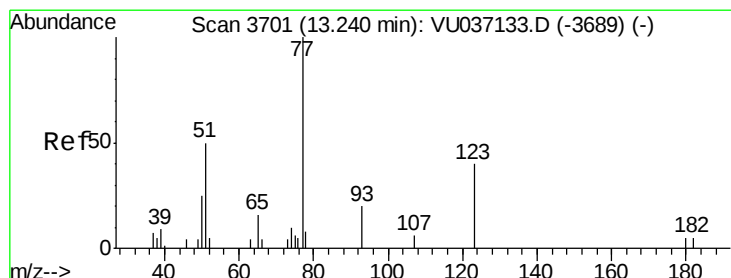
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



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#80

Nitrobenzene

Concen: 37.217 ug/l

RT: 13.24 min Scan# 3701

Delta R.T. -0.00 min

Lab File: VU037132.D

Acq: 09 Mar 2020 13:53

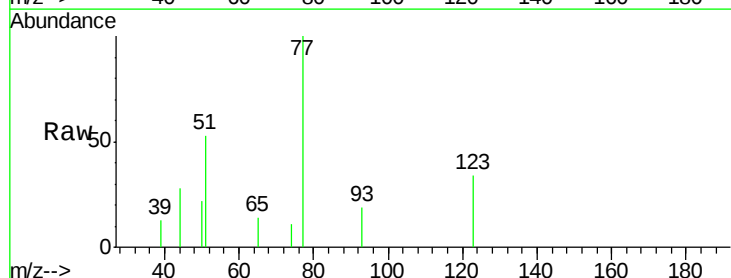
Tgt Ion: 77 Resp: 2332

Ion Ratio Lower Upper

77 100

123 32.3 19.6 69.6

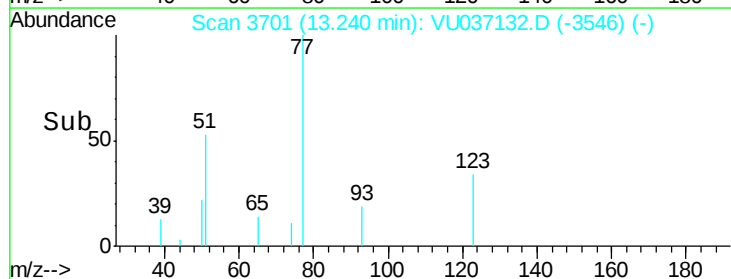
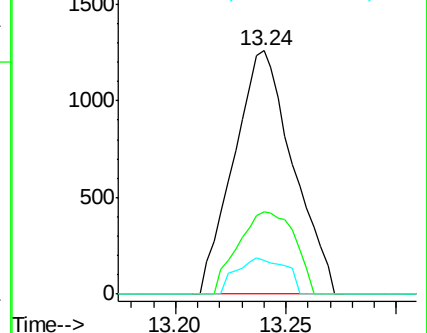
65 12.4 12.7 16.1#

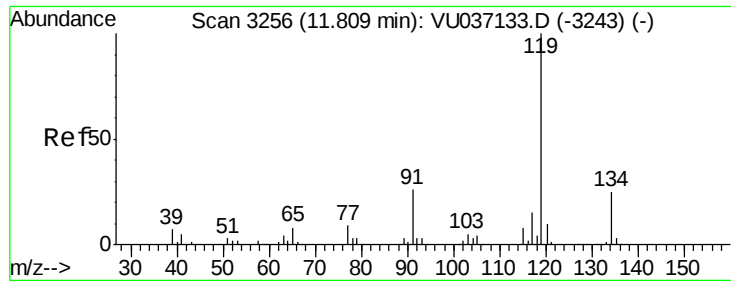


Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0



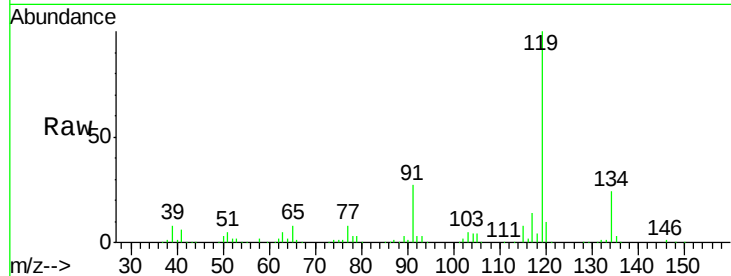


#81
 p-Isopropyltoluene
 Concen: 5.390 ug/l
 RT: 11.81 min Scan# 3256
 Delta R.T. -0.00 min
 Lab File: VU037132.D
 Acq: 09 Mar 2020 13:53

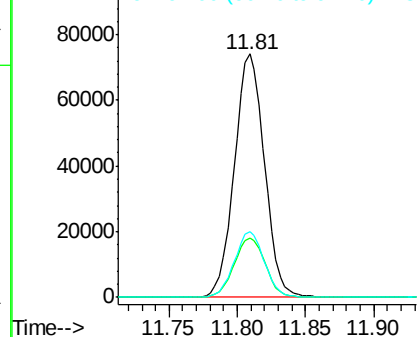
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.2	21.4	32.0
91	27.1	18.3	27.5

Manual Integrations
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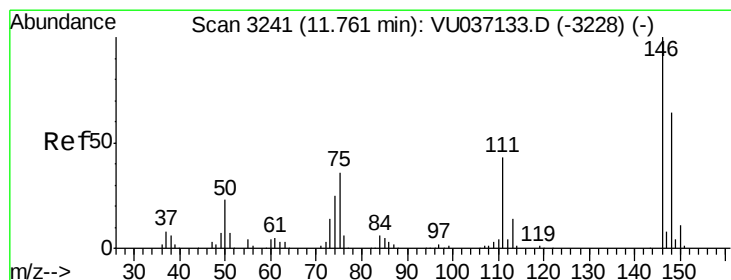
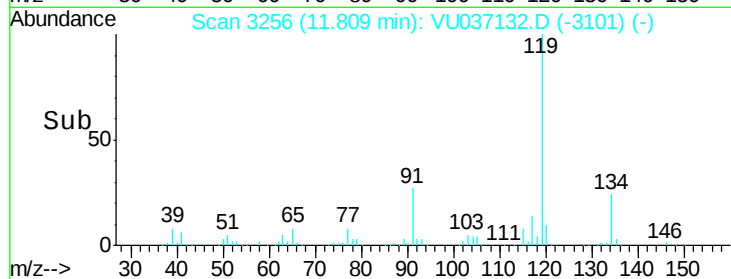


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V



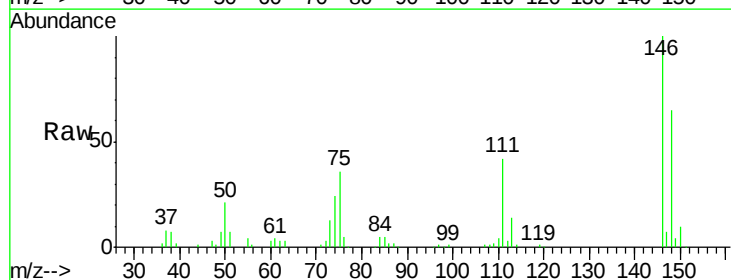
sam

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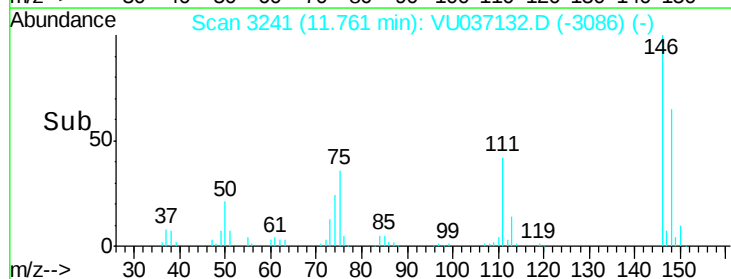
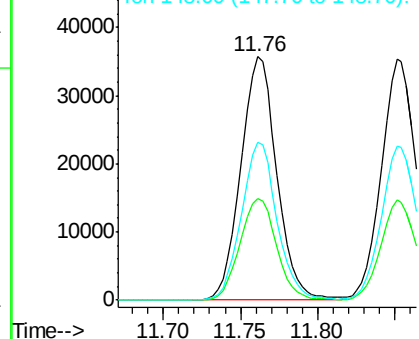


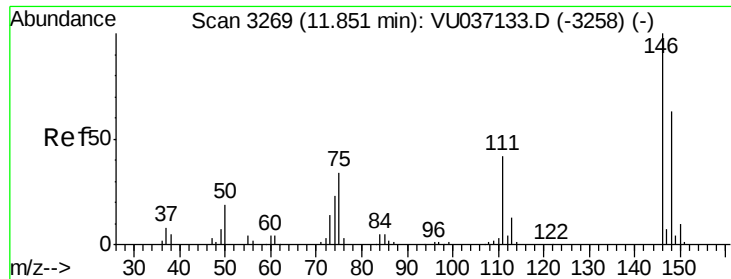
#82
 1,3-Dichlorobenzene
 Concen: 5.368 ug/l
 RT: 11.76 min Scan# 3241
 Delta R.T. -0.00 min
 Lab File: VU037132.D
 Acq: 09 Mar 2020 13:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.6	32.2	48.2
148	64.2	51.4	77.2



Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V



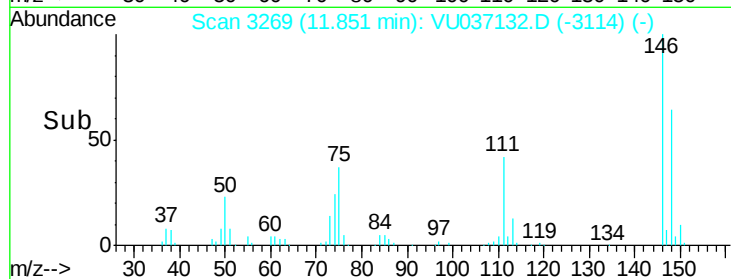
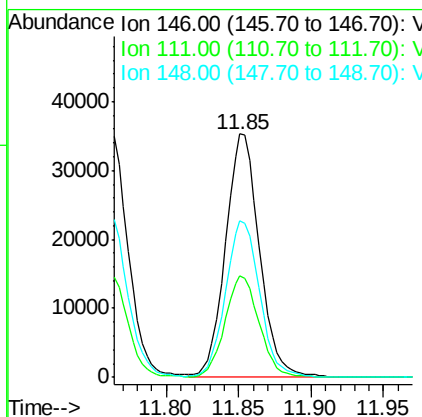
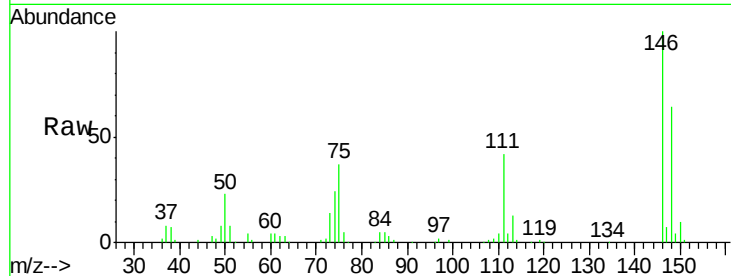


#83
 1,4-Dichlorobenzene
 Concen: 5.334 ug/l
 RT: 11.85 min Scan# 3269
 Delta R.T. -0.00 min
 Lab File: VU037132.D
 Acq: 09 Mar 2020 13:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

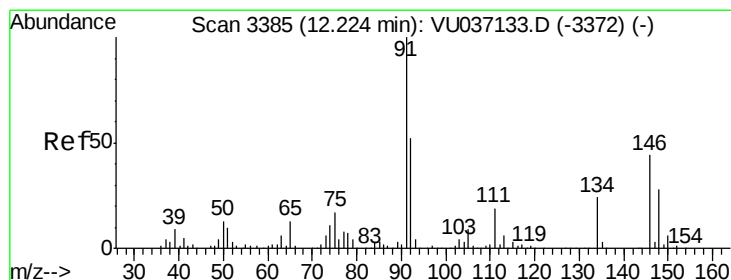
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	30.5	45.7
148	64.6	51.0	76.4

Manual Integrations
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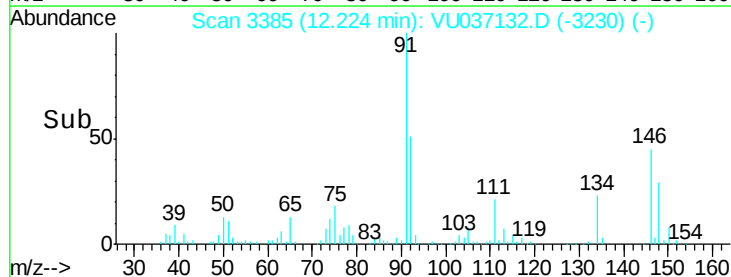
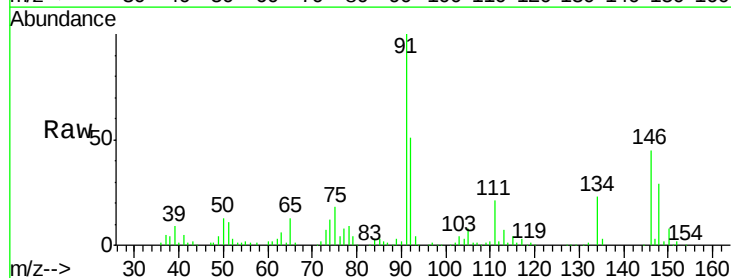
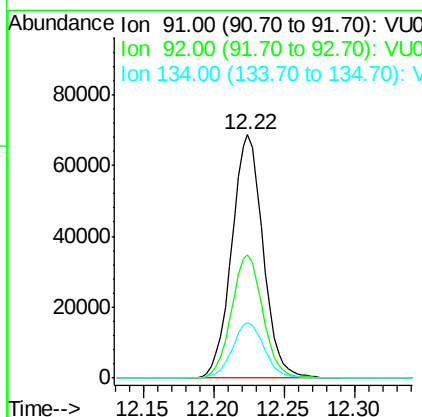
sam

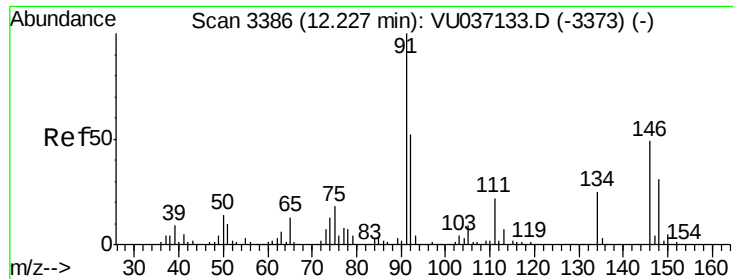
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#84
 n-Butylbenzene
 Concen: 5.498 ug/l
 RT: 12.22 min Scan# 3385
 Delta R.T. -0.00 min
 Lab File: VU037132.D
 Acq: 09 Mar 2020 13:53

Tgt Ion	Ratio	Lower	Upper
91	100		
92	50.7	42.9	64.3
134	23.2	21.4	32.0



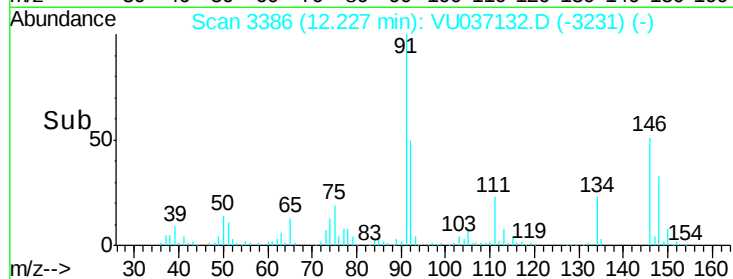
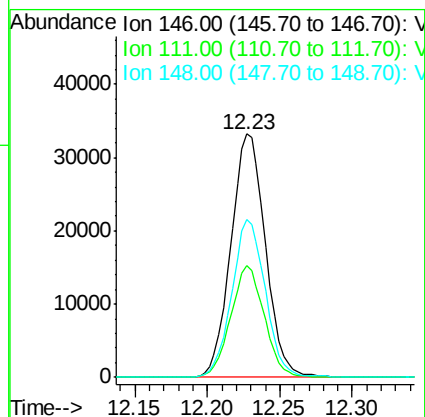
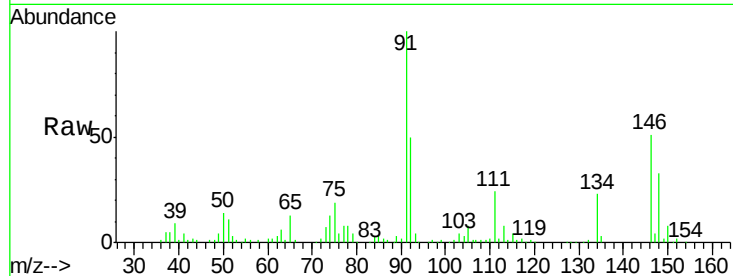


#85
 1,2-Dichlorobenzene
 Concen: 5.318 ug/l
 RT: 12.23 min Scan# 3386
 Delta R.T. -0.00 min
 Lab File: VU037132.D
 Acq: 09 Mar 2020 13:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

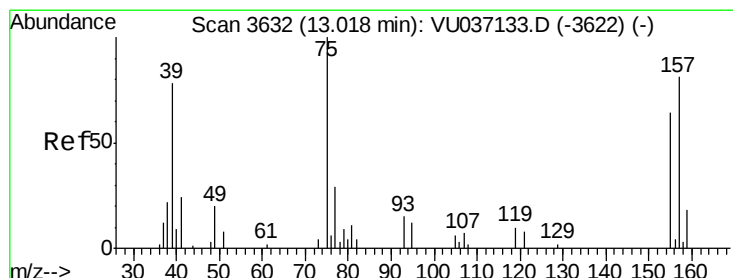
Tot Ion	Ratio	Lower	Upper
146	100		
111	44.5	20.8	62.4
148	63.2	32.0	96.2

Manual Integrations
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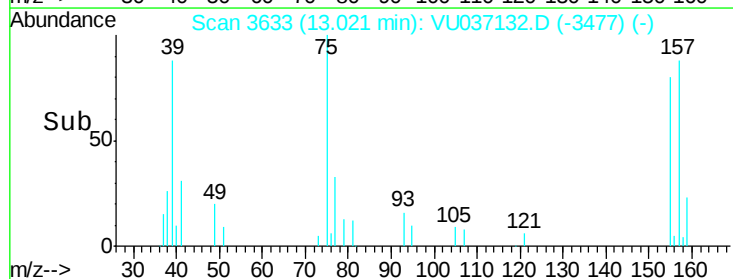
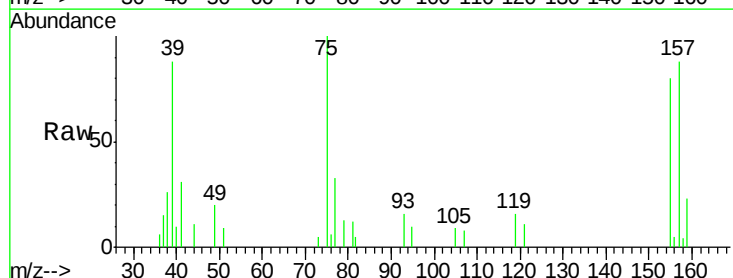
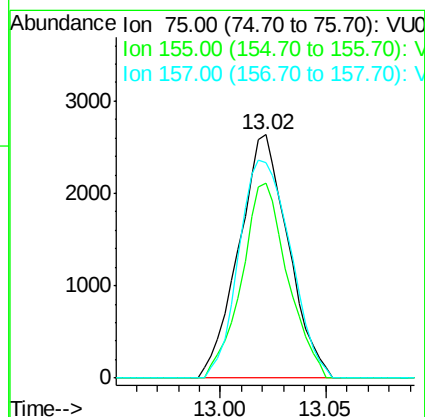
sam

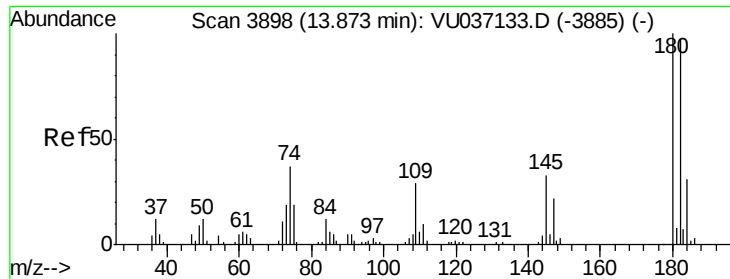
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#86
 1,2-Dibromo-3-Chloropropane
 Concen: 5.810 ug/l
 RT: 13.02 min Scan# 3633
 Delta R.T. 0.00 min
 Lab File: VU037132.D
 Acq: 09 Mar 2020 13:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.3	71.8	107.8
157	93.6	92.4	138.6



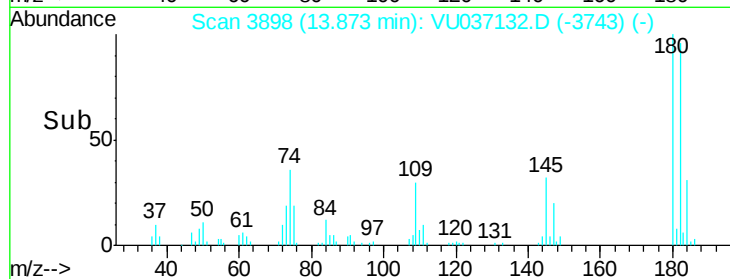
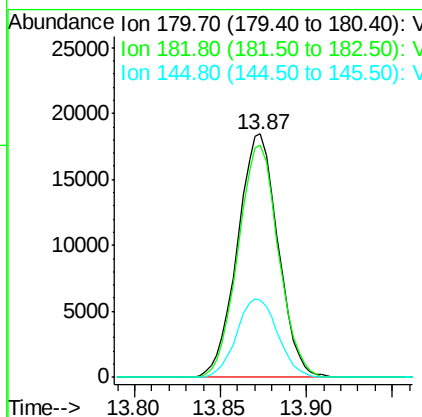
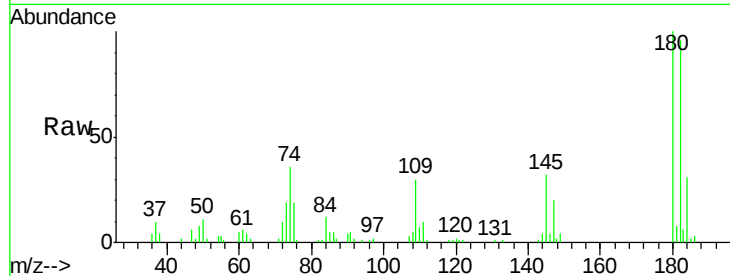


#87
 1,2,4-Trichlorobenzene
 Concen: 4.580 ug/l
 RT: 13.87 min Scan# 3898
 Delta R.T. -0.00 min
 Lab File: VU037132.D
 Acq: 09 Mar 2020 13:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

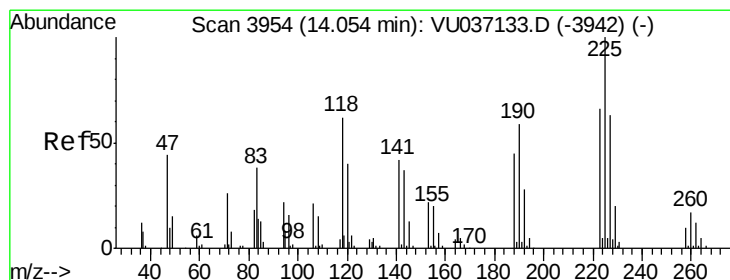
Tot Ion:	180	Resp:	30141
Ion Ratio	Lower	Upper	
180	100		
182	95.0	75.9	113.9
145	32.5	23.4	35.2

Manual Integrations
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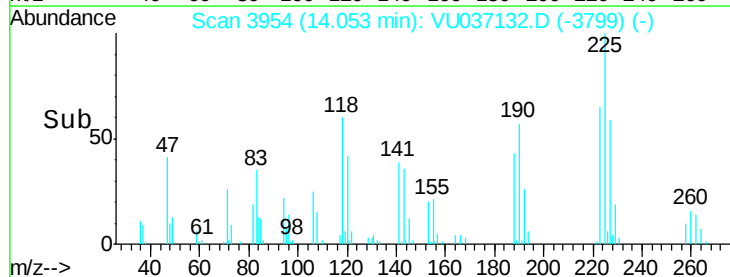
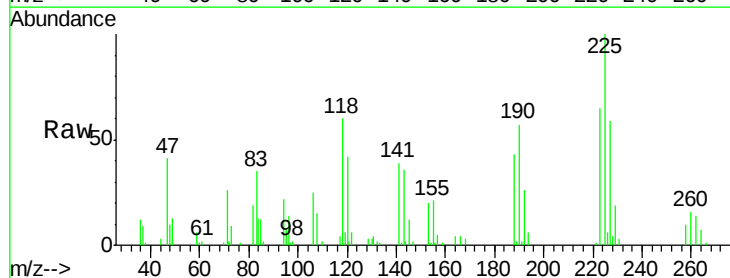
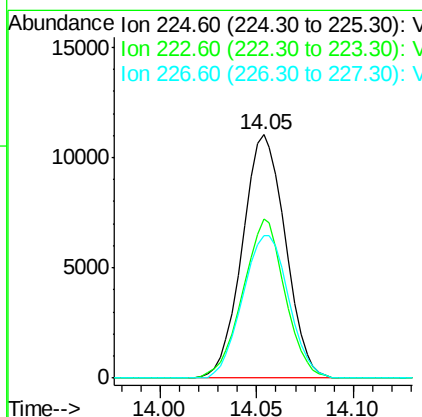
sam

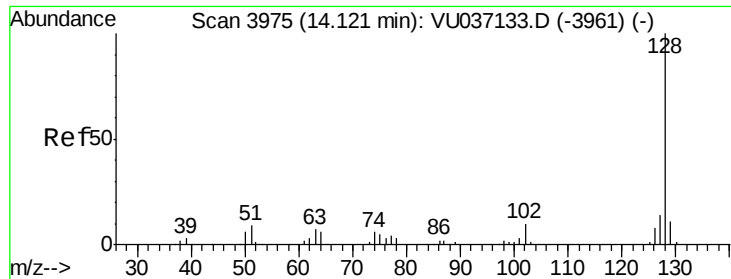
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#88
 Hexachlorobutadiene
 Concen: 4.743 ug/l
 RT: 14.05 min Scan# 3954
 Delta R.T. -0.00 min
 Lab File: VU037132.D
 Acq: 09 Mar 2020 13:53

Tgt Ion:	225	Resp:	17106
Ion Ratio	Lower	Upper	
225	100		
223	64.1	51.7	77.5
227	62.5	50.6	75.8



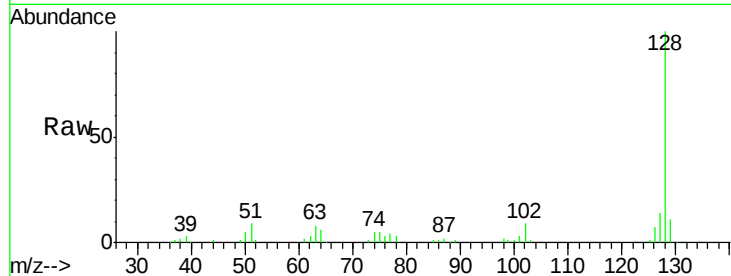


#89
Naphthalene
Concen: 4.474 ug/l
RT: 14.12 min Scan# 3975
Delta R.T. -0.00 min
Lab File: VU037132.D
Acq: 09 Mar 2020 13:53

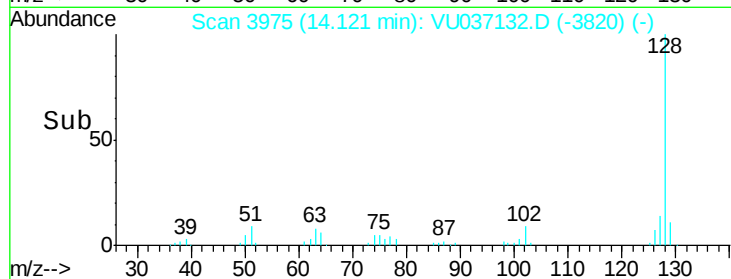
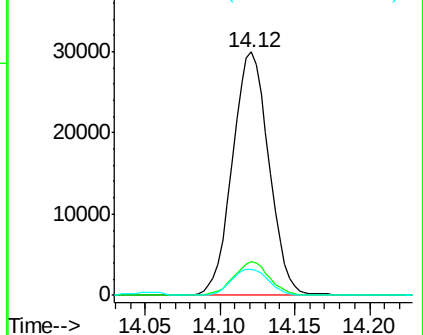
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.5	15.7
129	10.7	8.7	13.1

Manual Integrations
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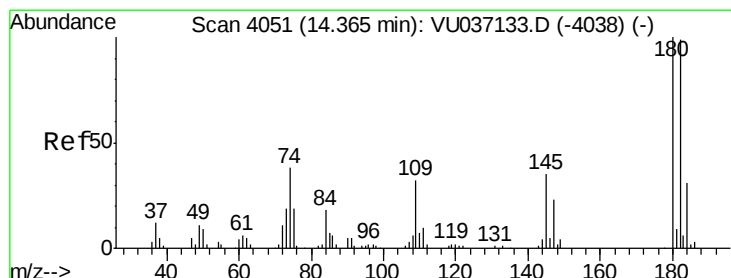


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



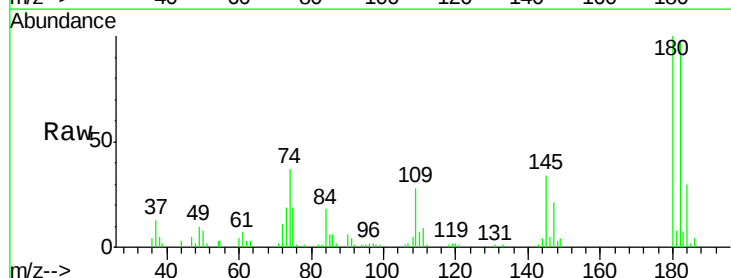
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#90
1,2,3-Trichlorobenzene
Concen: 4.684 ug/l
RT: 14.37 min Scan# 4051
Delta R.T. -0.00 min
Lab File: VU037132.D
Acq: 09 Mar 2020 13:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.2	114.4
145	33.9	25.2	37.8



Abundance Ion 179.70 (179.40 to 180.40): V
Ion 181.70 (181.40 to 182.40): V
Ion 144.80 (144.50 to 145.50): V

