

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU030920\
 Data File : VU037131.D
 Acq On : 09 Mar 2020 13:25
 Operator : JC/MD
 Sample : VSTDIC002
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Manual Integrations
 APPROVED

Quant Time: Mar 09 15:41:46 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	16266	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.65	95	6312	1.03	ug/l	0.00
Spiked Amount 1.000			Recovery	=	103.00%	
68) 1,2-Dichlorobenzene-d4	12.21	152	6571	1.05	ug/l	0.00
Spiked Amount 1.000			Recovery	=	105.00%	

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Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	16360	3.043	ug/l 99
3) Chloromethane	1.54	50	15581	2.703	ug/l 97
4) Vinyl Chloride	1.62	62	13887	2.127	ug/l 97
5) Bromomethane	1.87	94	4677	1.153	ug/l 91
6) Chloroethane	1.95	64	6856	1.773	ug/l 99
7) Trichlorofluoromethane	2.16	101	17281	2.679	ug/l 94
8) 1,1,2-Trichloro-1,2,2-trif	2.61	101	8400	2.090	ug/l 95
9) 1,1-Dichloroethene	2.61	96	7737	1.809	ug/l 79
10) Iodomethane	2.75	142	2673	0.583	ug/l 90
11) Allyl Chloride	2.95	41	14928	2.524	ug/l # 64
12) Acrylonitrile	3.36	53	3634	3.464	ug/l # 85
13) Acetone	2.66	43	10219	11.949	ug/l # 86
14) Carbon Disulfide	2.82	76	24754	1.671	ug/l 95
15) Methylene Chloride	3.08	84	9943	1.765	ug/l # 82
16) trans-1,2-Dichloroethene	3.38	96	8337	1.767	ug/l 95
17) 1,1-Dichloroethane	3.91	63	19162	2.492	ug/l 97
18) 2-Butanone	4.77	43	15130	13.433	ug/l 98
19) Cyclohexane	5.42	56	15937m	2.268	ug/l
20) Methylcyclohexane	6.79	83	15531	1.979	ug/l # 86
21) 2,2-Dichloropropane	4.70	77	16974	2.586	ug/l 95
22) cis-1,2-Dichloroethene	4.71	96	10314	2.107	ug/l 83
23) Diethyl Ether	2.40	59	6401	1.937	ug/l 88
24) tert-Butyl Alcohol	3.25	59	7316	24.775	ug/l 96
25) Methyl tert-Butyl Ether	3.41	73	22520	2.009	ug/l # 73
26) Bromochloromethane	5.02	128	4425	2.087	ug/l 76
27) Chloroform	5.13	83	19957	2.624	ug/l 99
28) 1,1,1-Trichloroethane	5.35	97	17134	2.687	ug/l 95
29) 1,1-Dichloropropene	5.56	75	14288	2.296	ug/l 93
30) Carbon Tetrachloride	5.56	117	15048	2.756	ug/l 98
31) Isopropyl Ether	4.05	45	29869	2.559	ug/l 85
32) Ethyl-t-butyl ether	4.56	59	27693	2.268	ug/l 92
33) Tert-Amyl methyl ether	5.99	73	23189	2.074	ug/l 99
34) Propionitrile	4.84	54	3896	12.000	ug/l # 92
35) Benzene	5.81	78	40346	2.239	ug/l 99
36) 1,2-Dichloroethane	5.84	62	14076	2.901	ug/l # 91
37) Trichloroethene	6.57	130	10501	2.110	ug/l 85
38) 1,2-Dichloropropane	6.83	63	10775	2.378	ug/l 97
39) Methacrylonitrile	5.03	41	4029	2.953	ug/l # 83
40) Methyl acrylate	4.90	55	5249	2.427	ug/l # 91
41) Tetrahydrofuran	5.11	42	3875	5.212	ug/l # 64
42) 1-Chlorobutane	5.50	56	19439	2.411	ug/l 76

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

43) Dibromomethane	6.95	93	5613	2.373	ug/l	93
44) Bromodichloromethane	7.14	83	14117	2.523	ug/l	99
45) 4-Methyl-2-Pentanone	7.83	43	35902	13.473	ug/l #	85
46) t-1,4-Dichloro-2-butene	10.86	75	4091m	3.486	ug/l	
47) Methyl methacrylate	7.00	69	8968	3.869	ug/l #	58
48) Ethyl methacrylate	8.36	69	8205	1.833	ug/l	68
49) Toluene	8.00	92	23160	2.013	ug/l	98sam
50) t-1,3-Dichloropropene	8.24	75	12389	2.222	ug/l	97
51) cis-1,3-Dichloropropene	7.64	75	14899	2.205	ug/l #	78
52) 1,1,2-Trichloroethane	8.43	97	7272	2.167	ug/l	95
53) 1,3-Dichloropropane	8.60	76	12958	2.253	ug/l	97
54) 2-Hexanone	8.72	43	24334	13.021	ug/l	84
55) Dibromochloromethane	8.84	129	8858	2.293	ug/l	99
56) 1,2-Dibromoethane	8.95	107	7049	2.181	ug/l	100
58) Tetrachloroethene	8.58	164	9803	1.971	ug/l	96
59) Chlorobenzene	9.47	112	25865	2.018	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.56	131	9653	2.358	ug/l	95
61) Pentachloroethane	11.45	117	7098	2.688	ug/l	96
62) Hexachloroethane	12.49	117	7941	2.360	ug/l #	78
63) Ethyl Benzene	9.59	91	43243	2.013	ug/l	96
64) m/p-Xylenes	9.72	106	33157	3.900	ug/l	89
65) o-Xylene	10.12	106	16229	1.971	ug/l	90
66) Styrene	10.13	104	26123	1.895	ug/l	93
67) Bromoform	10.31	173	4776	2.159	ug/l #	93
69) Isopropylbenzene	10.50	105	44775	2.070	ug/l	96
70) 1,1,2,2-Tetrachloroethane	10.80	83	10048	2.373	ug/l	91
71) 1,2,3-Trichloropropane	10.84	75	7876m	2.607	ug/l	
72) Bromobenzene	10.80	156	11870	2.278	ug/l	95
73) n-propylbenzene	10.92	120	11689	1.926	ug/l	76
74) 2-Chlorotoluene	11.00	126	10956	2.102	ug/l	86
75) 1,3,5-Trimethylbenzene	11.10	105	37885	2.042	ug/l	96
76) 4-Chlorotoluene	11.12	126	11157	2.072	ug/l	76
77) tert-Butylbenzene	11.44	119	37268	2.120	ug/l	95
78) 1,2,4-Trimethylbenzene	11.48	105	38089	1.992	ug/l	98
79) sec-Butylbenzene	11.66	105	51441	2.110	ug/l	97
80) Nitrobenzene	13.24	77	687	11.307	ug/l #	66
81) p-Isopropyltoluene	11.81	119	39834	1.954	ug/l #	94
82) 1,3-Dichlorobenzene	11.76	146	22042	2.114	ug/l	97
83) 1,4-Dichlorobenzene	11.85	146	22660	2.175	ug/l	99
84) n-Butylbenzene	12.22	91	38724	2.054	ug/l	95
85) 1,2-Dichlorobenzene	12.23	146	21290	2.134	ug/l	97
86) 1,2-Dibromo-3-Chloropropan	13.02	75	1788	2.495	ug/l #	71
87) 1,2,4-Trichlorobenzene	13.87	180	9990	1.566	ug/l	97
88) Hexachlorobutadiene	14.05	225	6524	1.865	ug/l	99
89) Naphthalene	14.12	128	15520	1.412	ug/l	97
90) 1,2,3-Trichlorobenzene	14.37	180	9907	1.651	ug/l	98

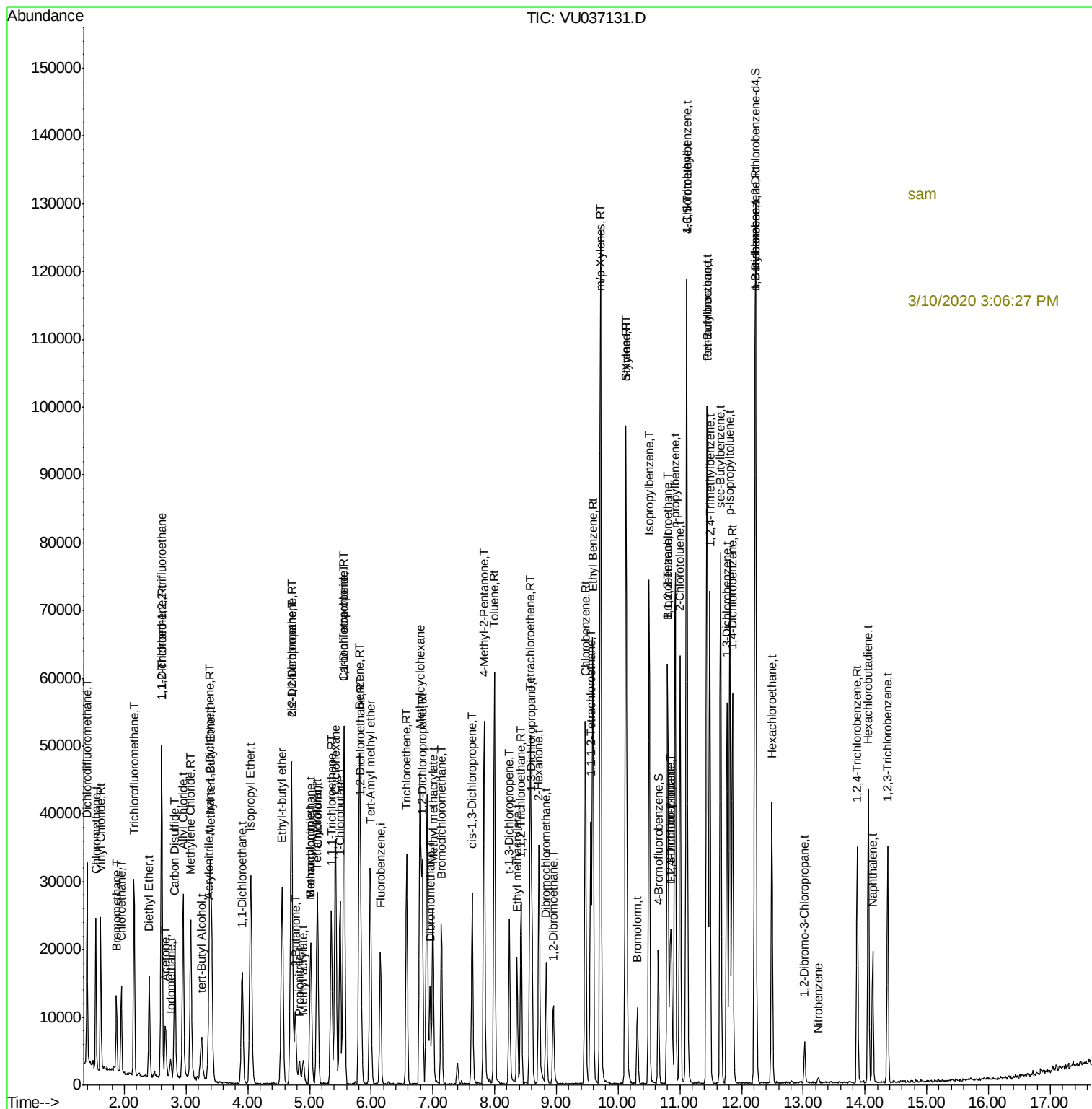
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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VSTDICC002

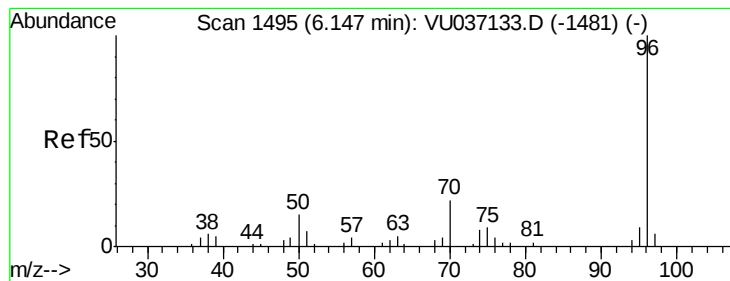
Manual Integrations
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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.15 min Scan# 1495

Delta R.T. -0.00 min

Lab File: VU037131.D

Acq: 09 Mar 2020 13:25

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 96 Resp: 16266

Ion Ratio Lower Upper

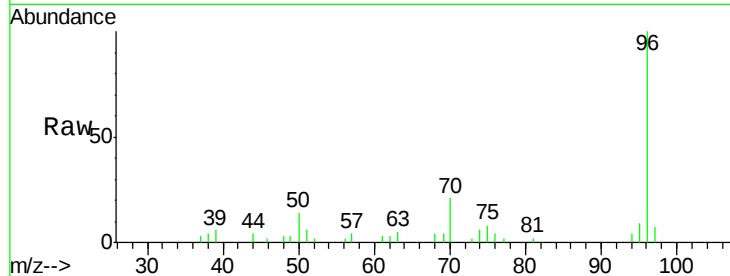
96 100

70 20.9 15.6 23.4

95 9.6 7.0 10.6

97 5.7 0.0 0.0#

Manual Integrations
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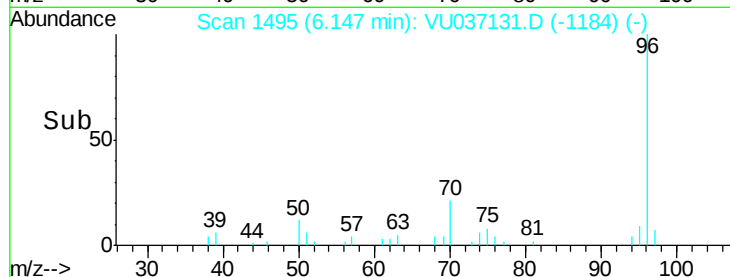
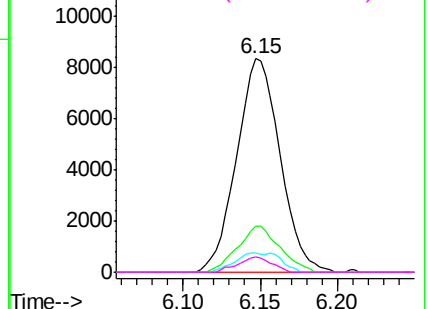


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

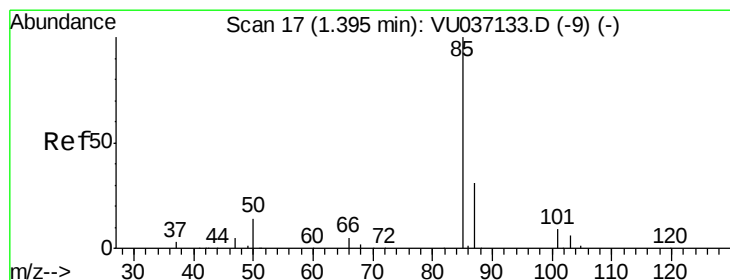
Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0



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#2

Dichlorodifluoromethane

Concen: 3.043 ug/l

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU037131.D

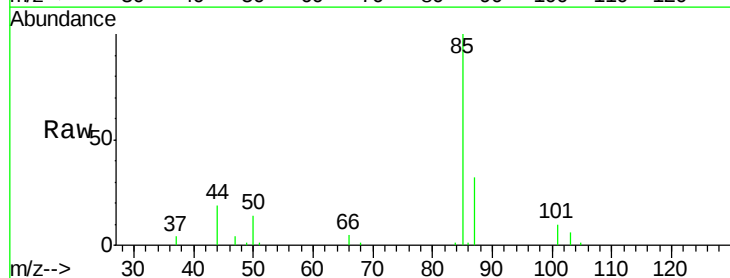
Acq: 09 Mar 2020 13:25

Tgt Ion: 85 Resp: 16360

Ion Ratio Lower Upper

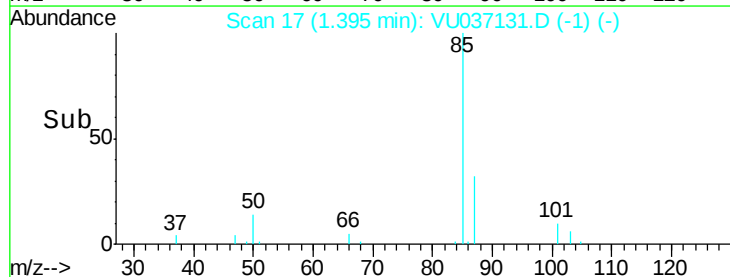
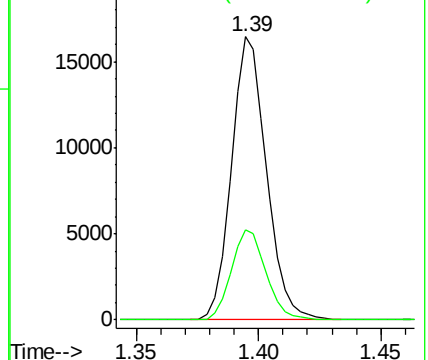
85 100

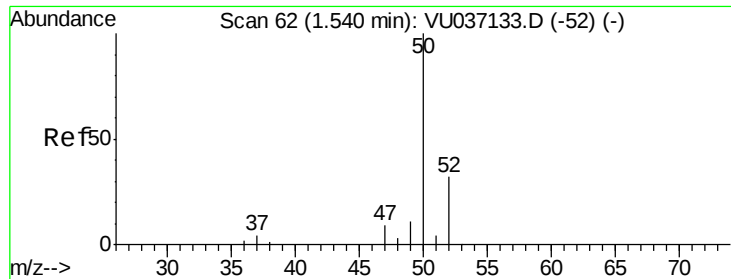
87 32.0 16.4 49.2



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0





#3

Chloromethane

Concen: 2.703 ug/l

RT: 1.54 min Scan# 62

Delta R.T. -0.00 min

Lab File: VU037131.D

Acq: 09 Mar 2020 13:25

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

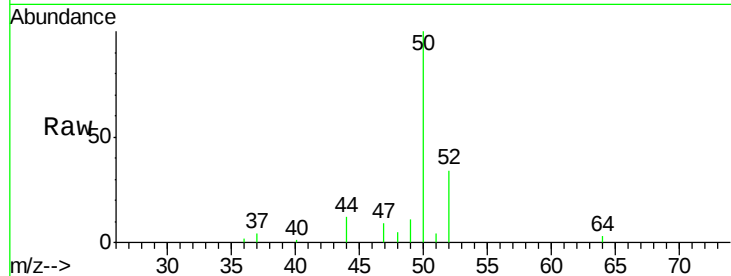
Tot Ion: 50 Resp: 15581

Ion Ratio Lower Upper

50 100

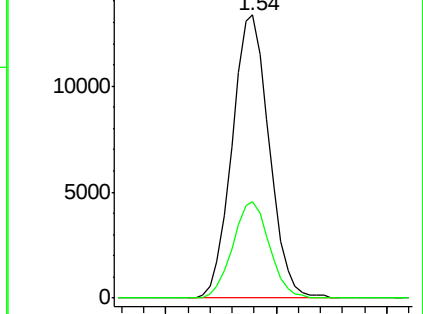
52 34.1 26.0 39.0

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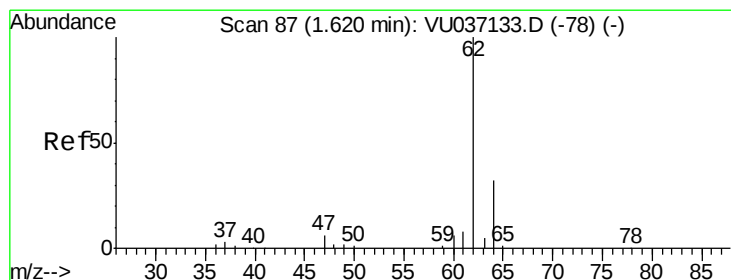
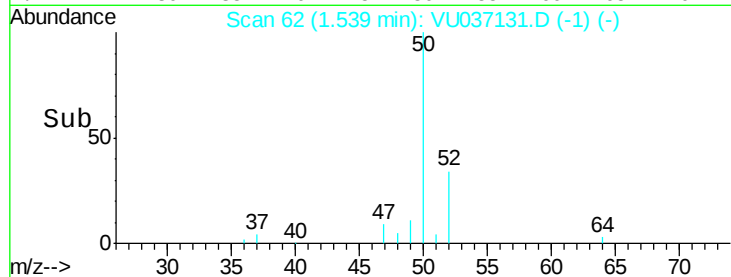


Abundance Ion 50.00 (49.70 to 50.70): VU037131.D (-52) (-)

Ion 52.00 (51.70 to 52.70): VU037131.D (-52) (-)



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#4

Vinyl Chloride

Concen: 2.127 ug/l

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU037131.D

Acq: 09 Mar 2020 13:25

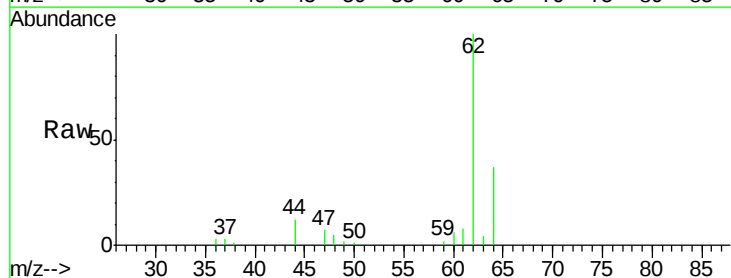
Tgt Ion: 62 Resp: 13887

Ion Ratio Lower Upper

62 100

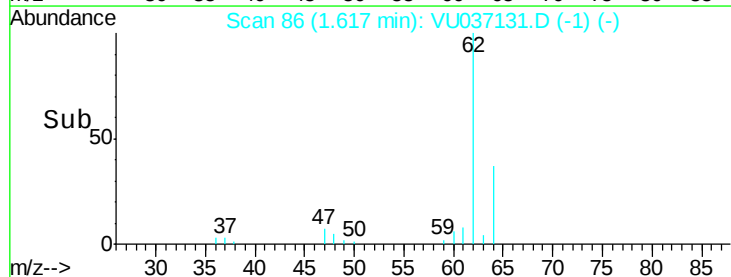
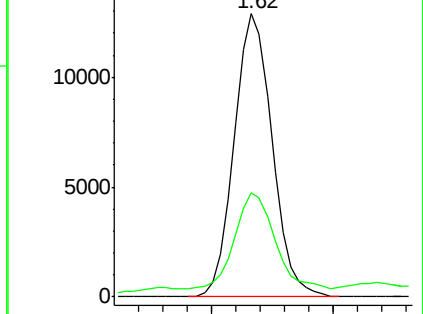
64 33.6 25.4 38.2

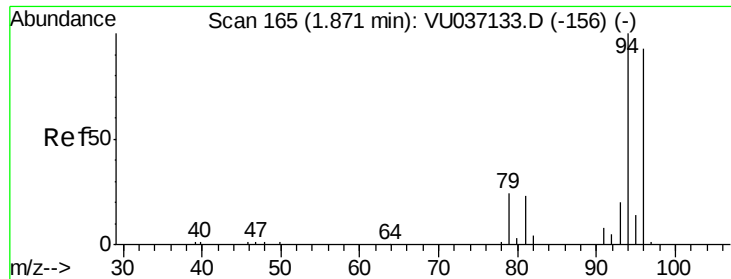
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Abundance Ion 62.00 (61.70 to 62.70): VU037131.D (-78) (-)

Ion 64.00 (63.70 to 64.70): VU037131.D (-78) (-)





#5

Bromomethane

Concen: 1.153 ug/l

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU037131.D

Acq: 09 Mar 2020 13:25

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

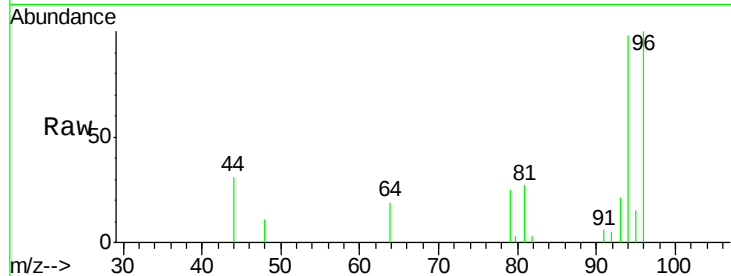
Tot Ion: 94 Resp: 4677

Ion Ratio Lower Upper

94 100

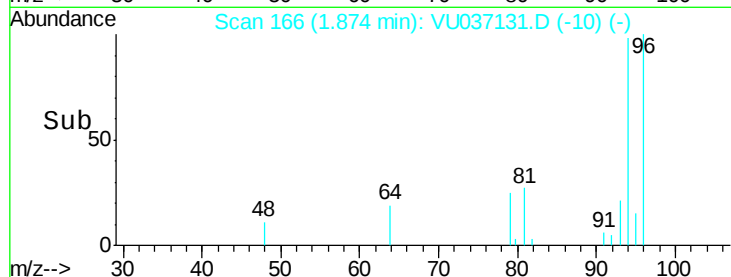
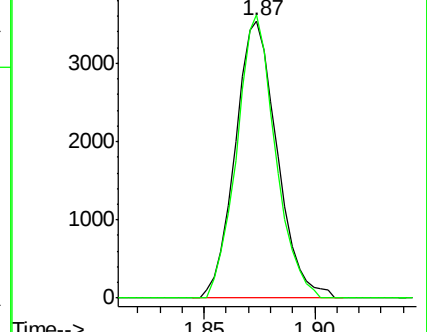
96 102.1 74.6 112.0

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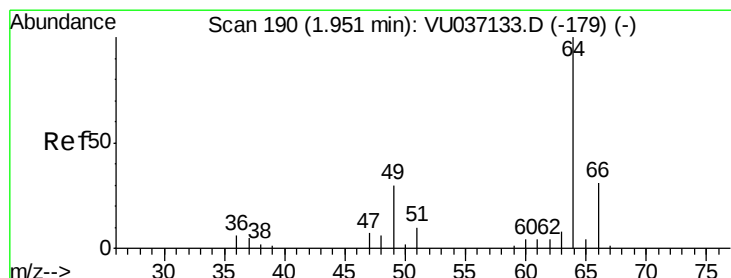
Abundance Ion 94.00 (93.70 to 94.70): VU037131.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU037131.D (-156) (-)



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#6

Chloroethane

Concen: 1.773 ug/l

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU037131.D

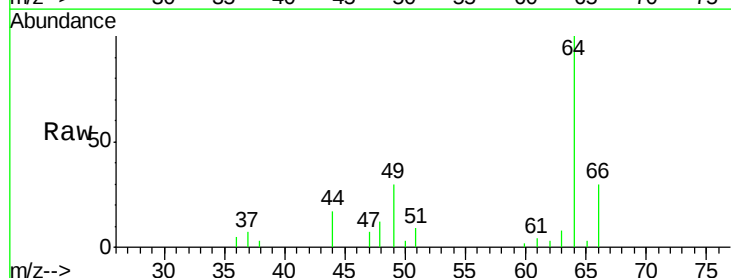
Acq: 09 Mar 2020 13:25

Tgt Ion: 64 Resp: 6856

Ion Ratio Lower Upper

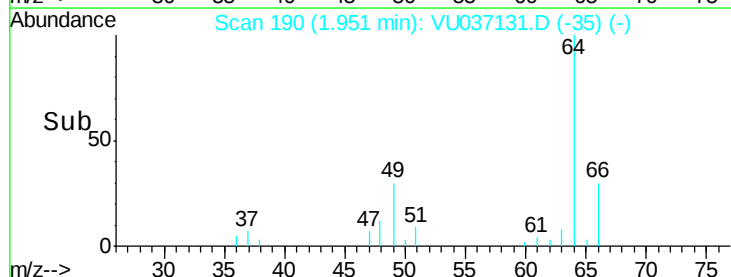
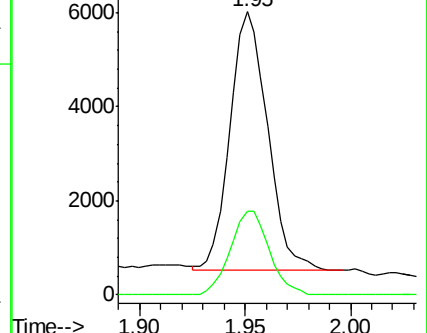
64 100

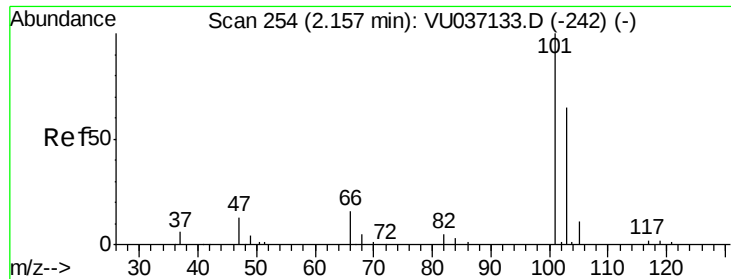
66 32.6 25.5 38.3



Abundance Ion 64.00 (63.70 to 64.70): VU037131.D (-179) (-)

Ion 66.00 (65.70 to 66.70): VU037131.D (-179) (-)





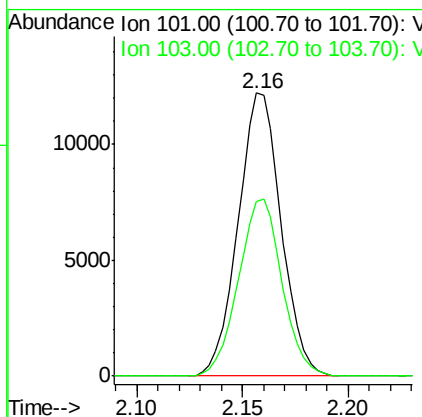
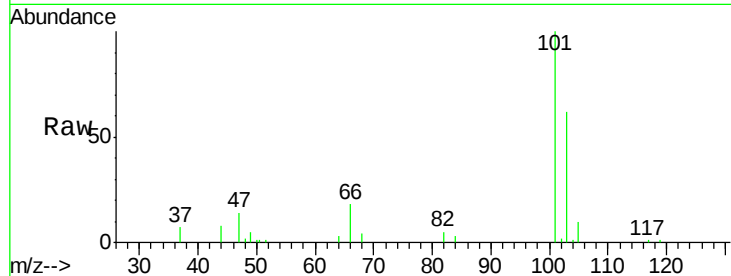
#7

Trichlorofluoromethane
Concen: 2.679 ug/l
RT: 2.16 min Scan# 254
Delta R.T. -0.00 min
Lab File: VU037131.D
Acq: 09 Mar 2020 13:25

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

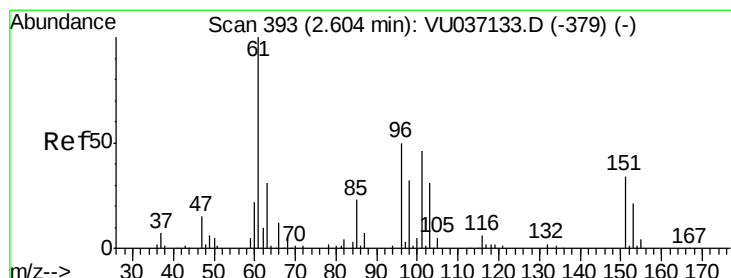
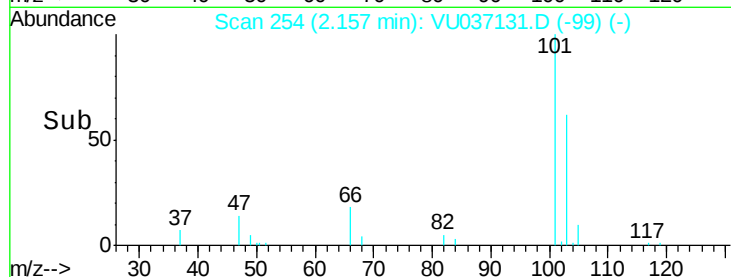
Tot Ion	Ratio	Lower	Upper
101	100		
103	61.7	53.0	79.6

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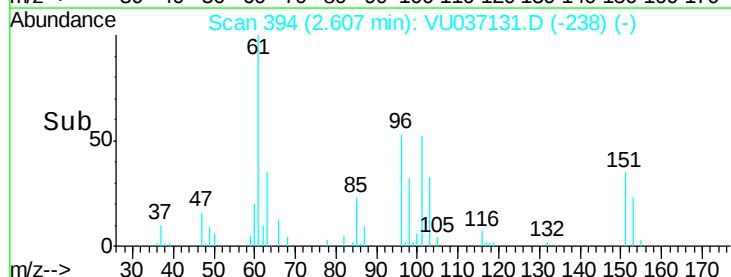
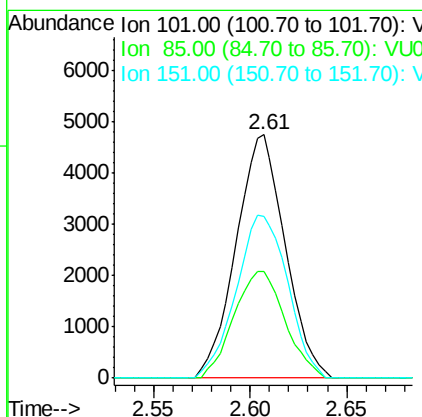
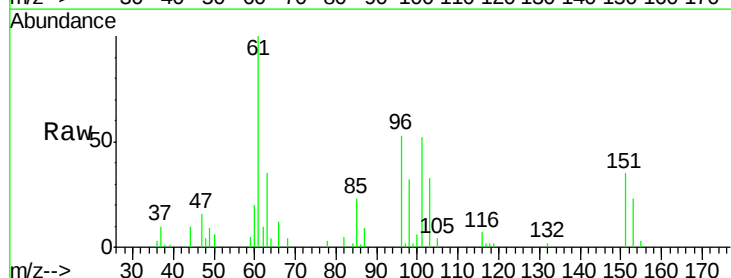
3/10/2020 3:06:27 PM

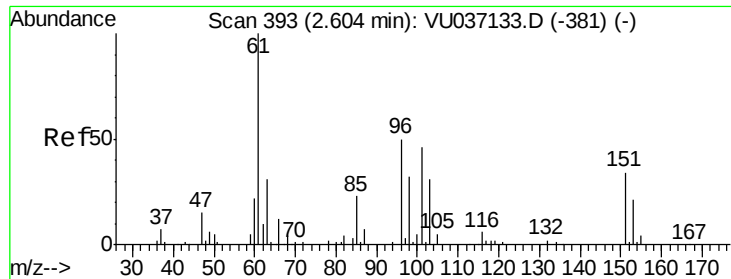


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.090 ug/l
RT: 2.61 min Scan# 394
Delta R.T. 0.00 min
Lab File: VU037131.D
Acq: 09 Mar 2020 13:25

Tgt Ion	Ratio	Lower	Upper
101	100		
85	45.5	33.9	50.9
151	69.9	59.8	89.8





#9

1,1-Dichloroethene

Concen: 1.809 ug/l

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU037131.D

Acq: 09 Mar 2020 13:25

Instrument :

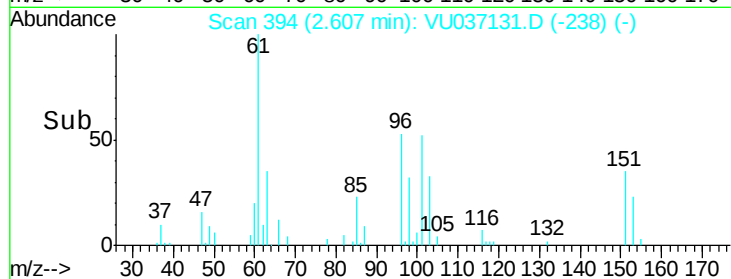
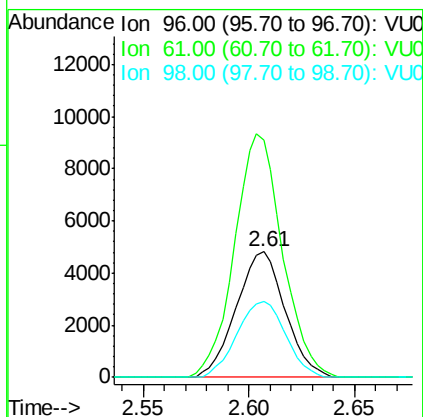
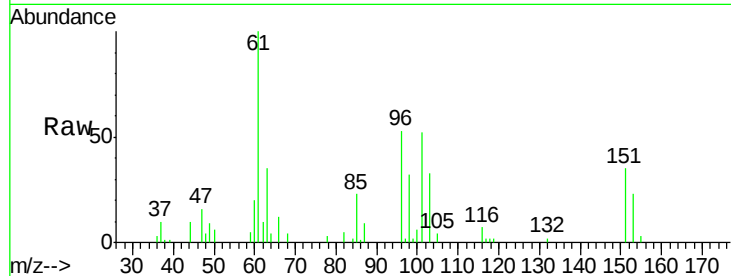
MSVOA_U

ClientSampleId :

VSTDIC002

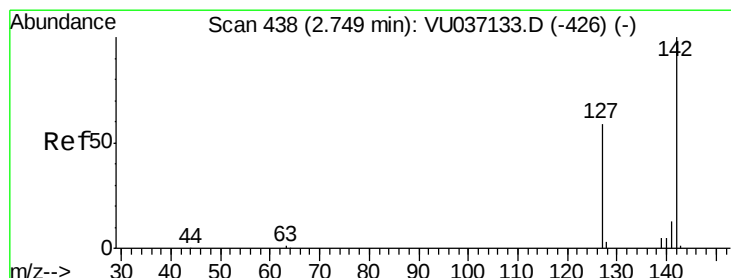
Tot Ion:	96	Resp:	7737
Ion	Ratio	Lower	Upper
96	100		
61	189.0	0.0	463.2
98	60.3	0.0	130.0

Manual Integrations
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#10

Iodomethane

Concen: 0.583 ug/l

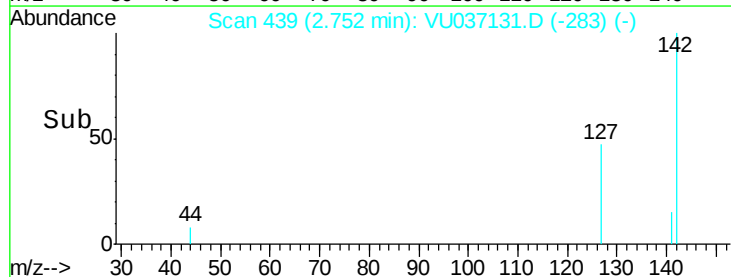
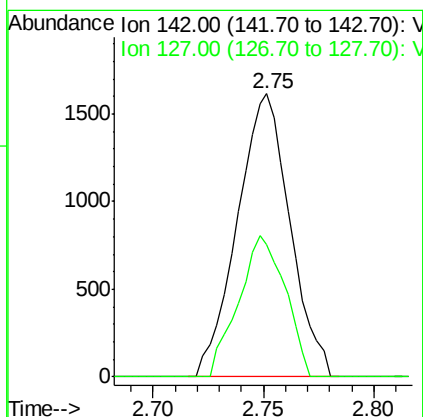
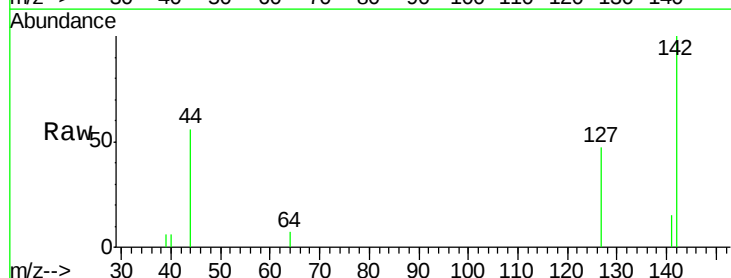
RT: 2.75 min Scan# 439

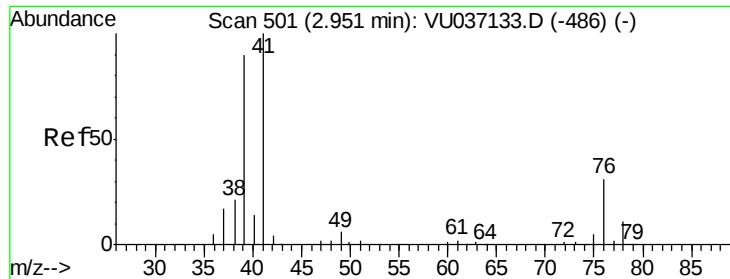
Delta R.T. 0.00 min

Lab File: VU037131.D

Acq: 09 Mar 2020 13:25

Tgt Ion:	142	Resp:	2673
Ion	Ratio	Lower	Upper
142	100		
127	44.1	30.3	45.5



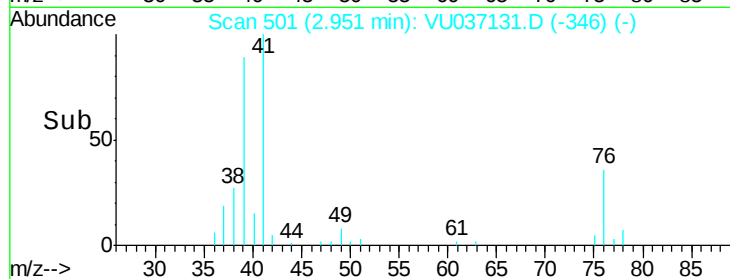
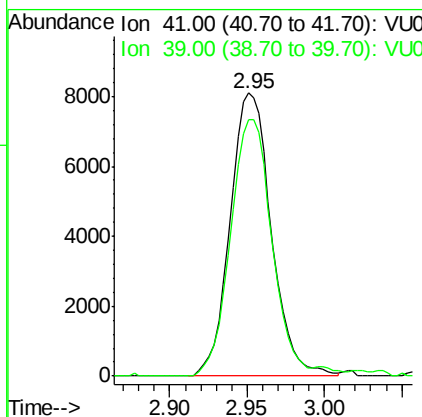
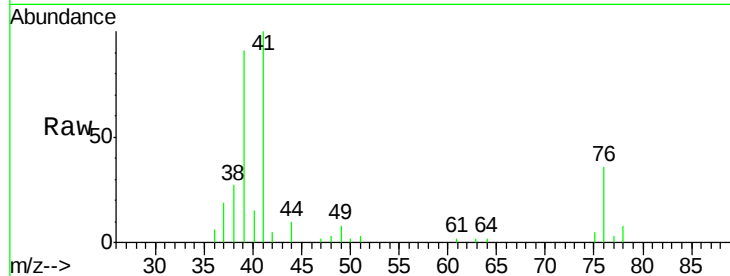


#11
 Allvl Chloride
 Concen: 2.524 ug/l
 RT: 2.95 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VU037131.D
 Acq: 09 Mar 2020 13:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

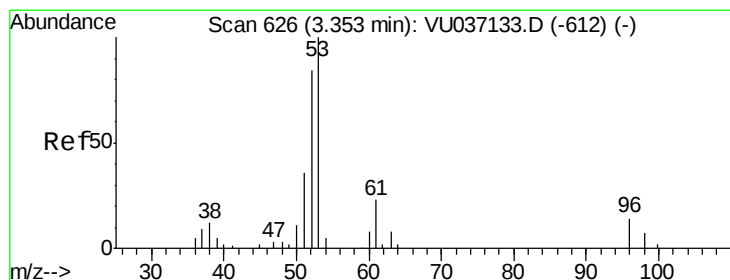
Tot Ion: 41 Resp: 14928
 Ion Ratio Lower Upper
 41 100
 39 91.2 50.7 76.1#

Manual Integrations
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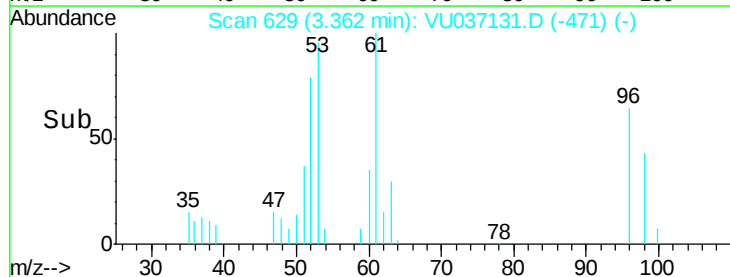
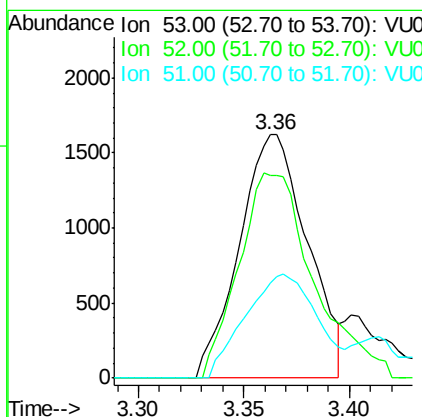
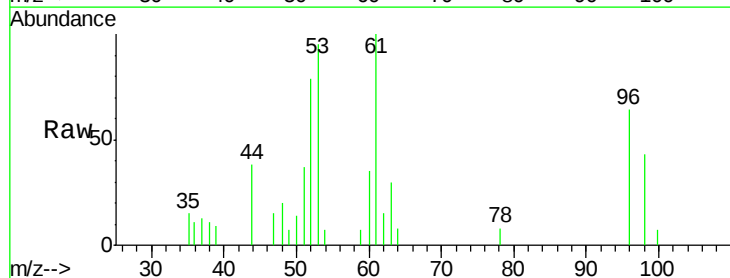
sam

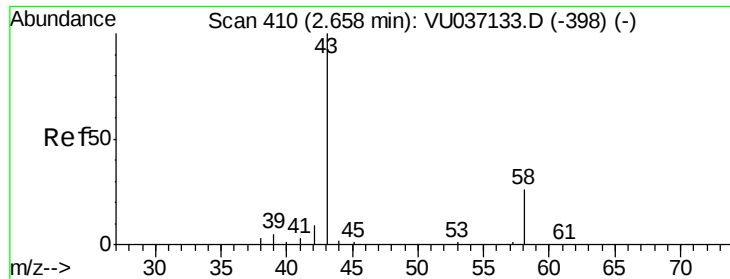
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#12
 Acrylonitrile
 Concen: 3.464 ug/l
 RT: 3.36 min Scan# 629
 Delta R.T. 0.01 min
 Lab File: VU037131.D
 Acq: 09 Mar 2020 13:25

Tgt Ion: 53 Resp: 3634
 Ion Ratio Lower Upper
 53 100
 52 92.8 64.6 97.0
 51 45.4 27.2 40.8#





#13

Acetone

Concen: 11.949 ug/l

RT: 2.66 min Scan# 411

Delta R.T. 0.00 min

Lab File: VU037131.D

Acq: 09 Mar 2020 13:25

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

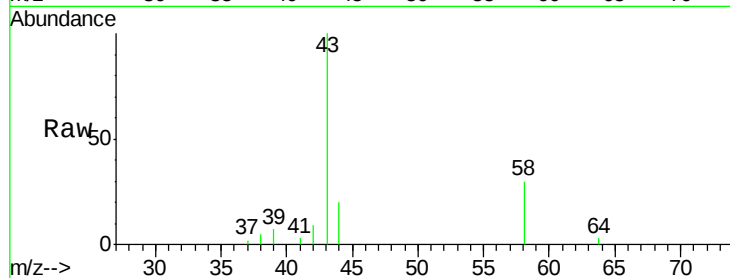
Tot Ion: 43 Resp: 10219

Ion Ratio Lower Upper

43 100

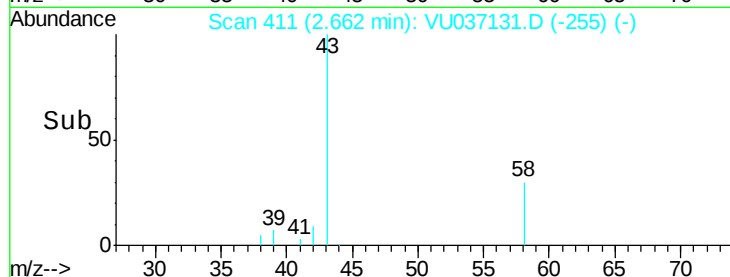
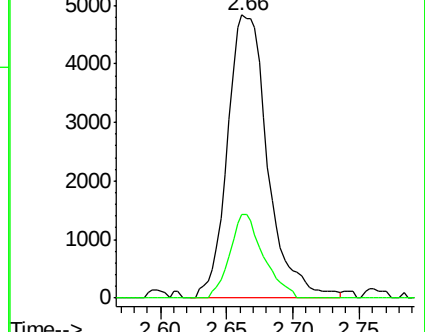
58 29.8 30.8 46.2#

Manual Integrations
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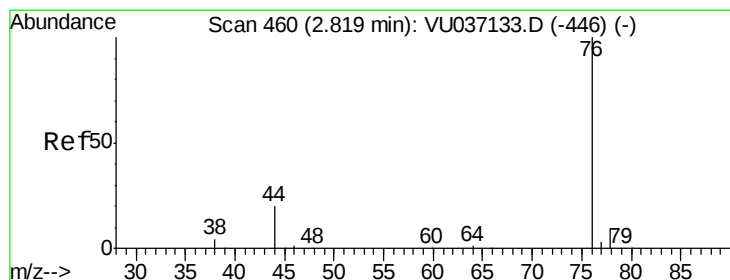
Abundance Ion 43.00 (42.70 to 43.70): VU037131.D (-255) (-)

Ion 58.00 (57.70 to 58.70): VU037131.D (-255) (-)



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#14

Carbon Disulfide

Concen: 1.671 ug/l

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU037131.D

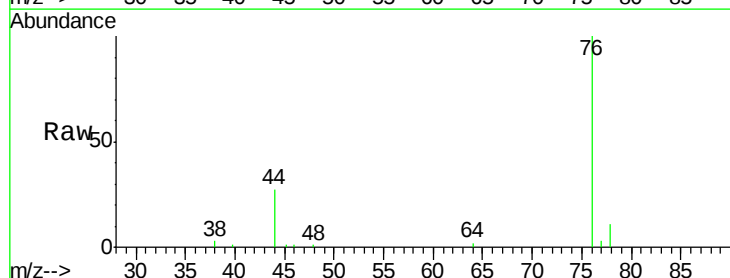
Acq: 09 Mar 2020 13:25

Tgt Ion: 76 Resp: 24754

Ion Ratio Lower Upper

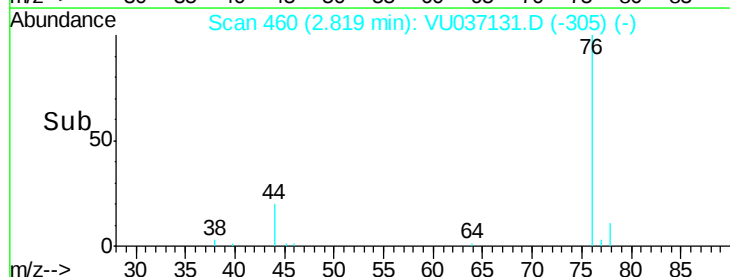
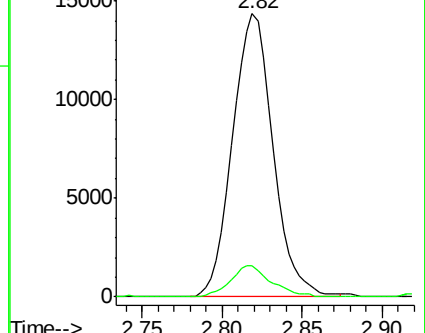
76 100

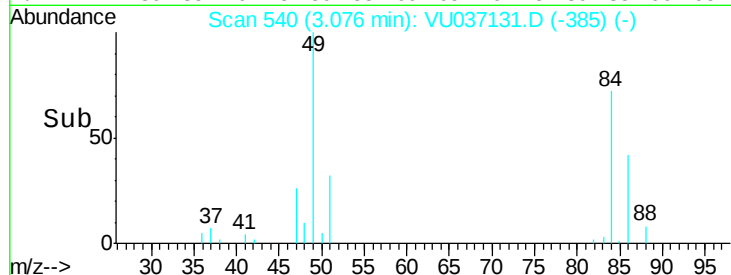
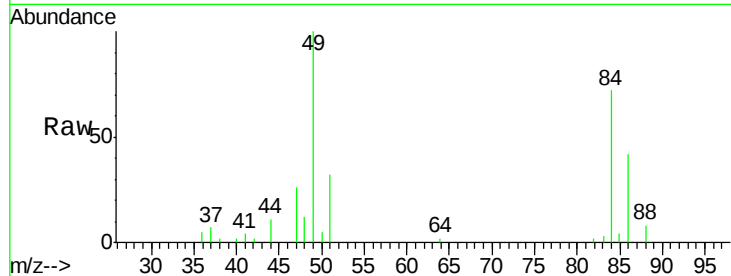
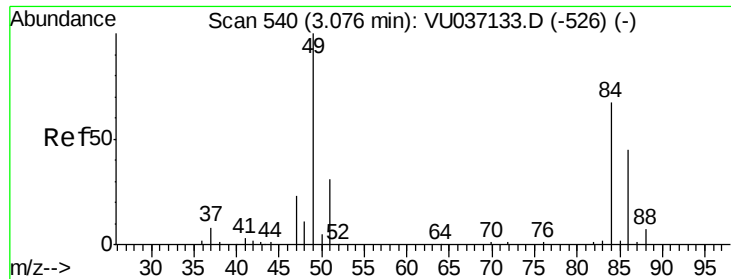
78 10.8 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VU037131.D (-305) (-)

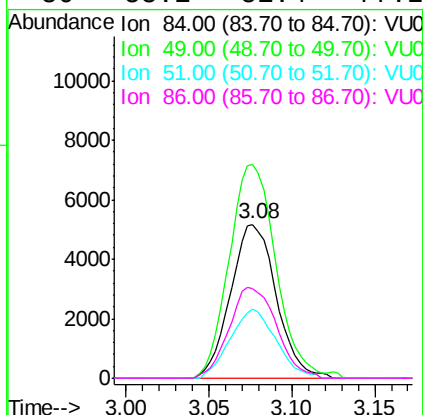
Ion 78.00 (77.70 to 78.70): VU037131.D (-305) (-)





#15
Methvlene Chloride
Concen: 1.765 ug/l
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU037131.D
Acq: 09 Mar 2020 13:25

Tot Ion: 84 Resp: 9943
Ion Ratio Lower Upper
84 100
49 138.7 89.7 134.5#
51 44.6 0.0 71.6
86 58.1 51.4 77.2

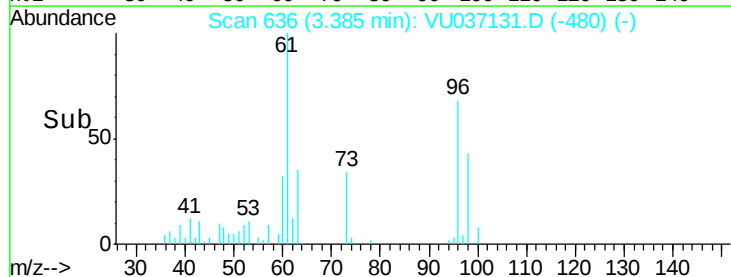
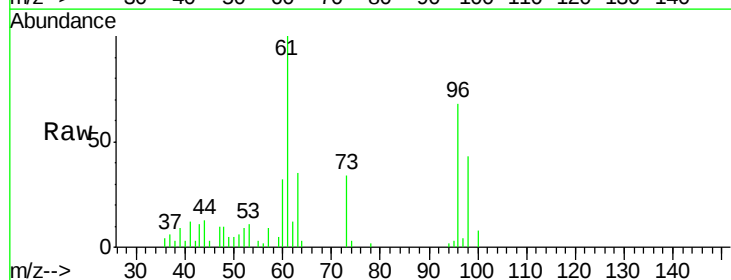
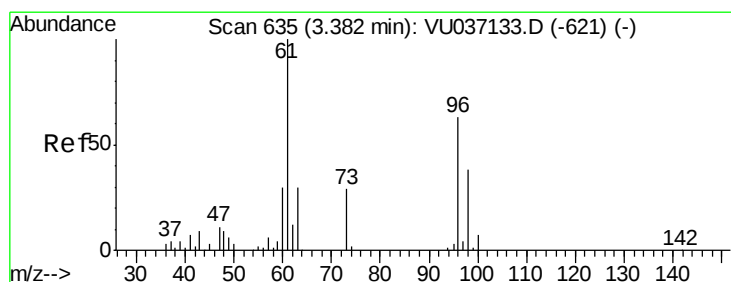


Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Manual Integrations
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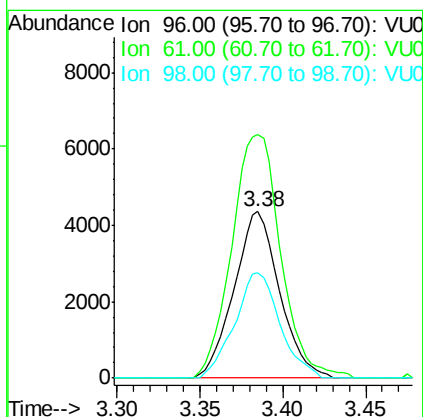
sam

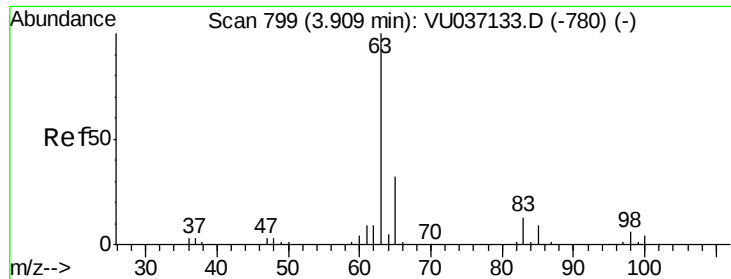
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#16
trans-1,2-Dichloroethene
Concen: 1.767 ug/l
RT: 3.38 min Scan# 636
Delta R.T. 0.00 min
Lab File: VU037131.D
Acq: 09 Mar 2020 13:25

Tgt Ion: 96 Resp: 8337
Ion Ratio Lower Upper
96 100
61 146.2 110.8 166.2
98 63.3 50.3 75.5



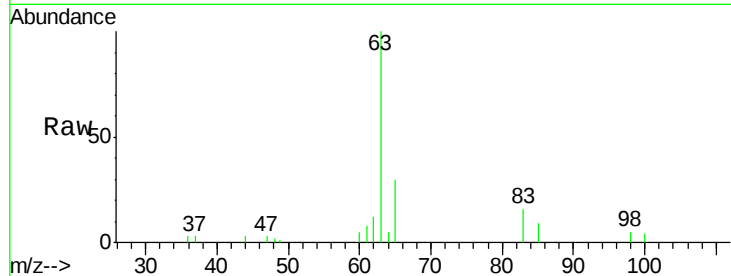


#17
 1,1-Dichloroethane
 Concen: 2.492 ug/l
 RT: 3.91 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: VU037131.D
 Acq: 09 Mar 2020 13:25

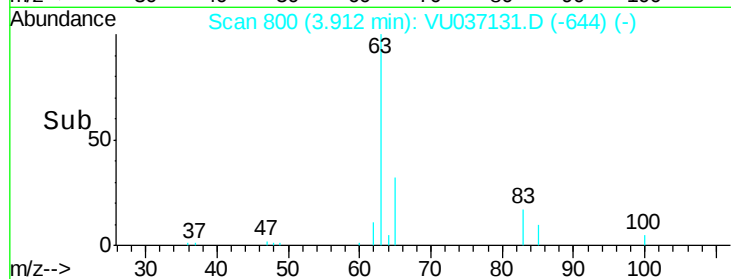
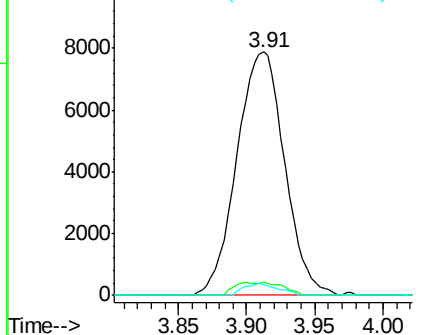
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion:	63	Resp:	19162
Ion Ratio	Lower	Upper	
63	100		
98	5.3	3.5	10.5
100	4.4	2.4	7.1

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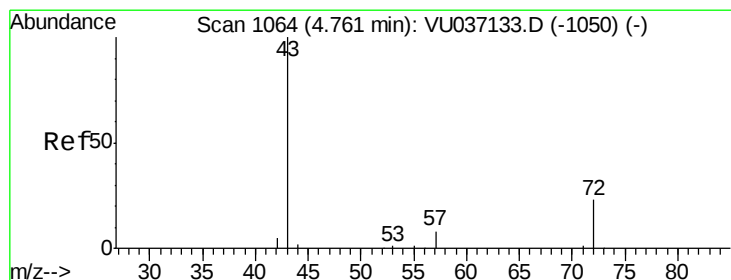


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0
 Ion 100.00 (99.70 to 100.70): VU0



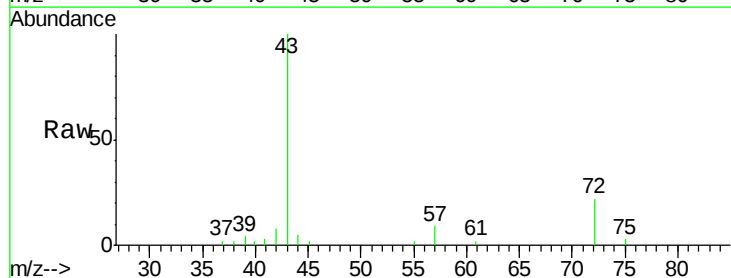
sam

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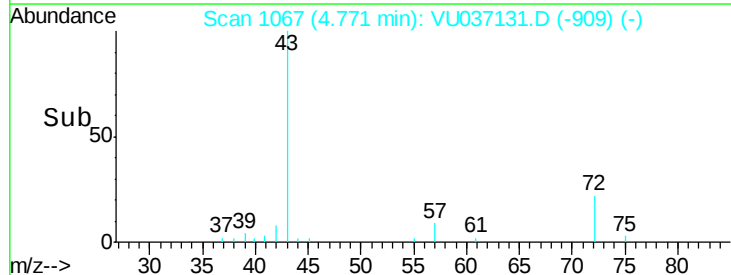
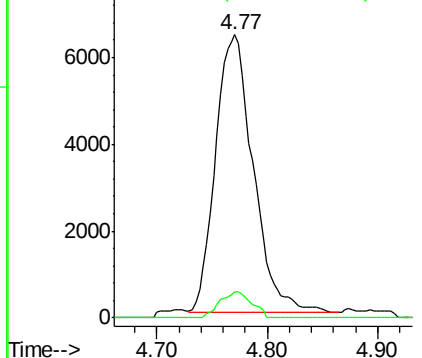


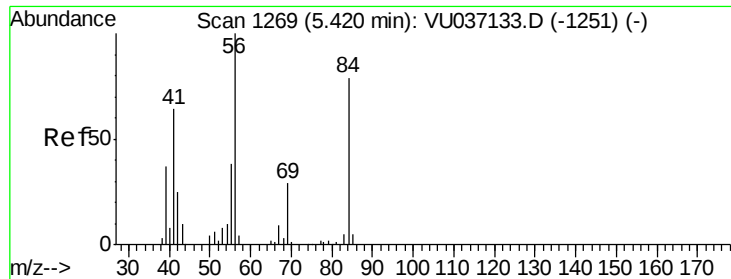
#18
 2-Butanone
 Concen: 13.433 ug/l
 RT: 4.77 min Scan# 1067
 Delta R.T. 0.01 min
 Lab File: VU037131.D
 Acq: 09 Mar 2020 13:25

Tgt Ion:	43	Resp:	15130
Ion Ratio	Lower	Upper	
43	100		
57	9.5	0.0	17.8



Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 57.00 (56.70 to 57.70): VU0



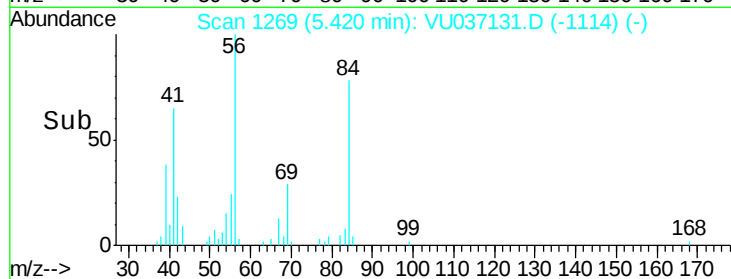
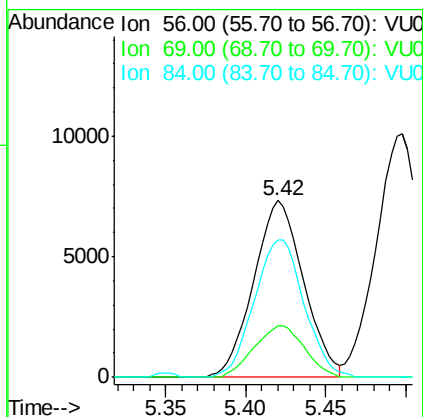
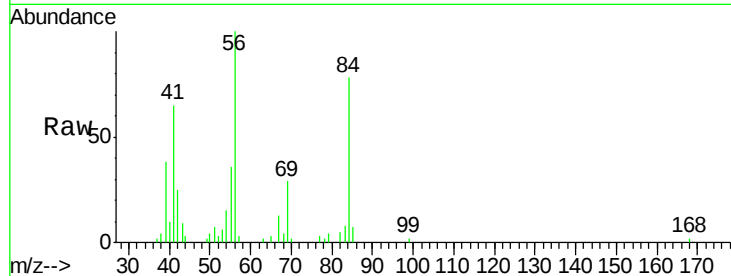


#19
Cyclohexane
Concen: 2.268 ug/l m
RT: 5.42 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VU037131.D
Acq: 09 Mar 2020 13:25

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

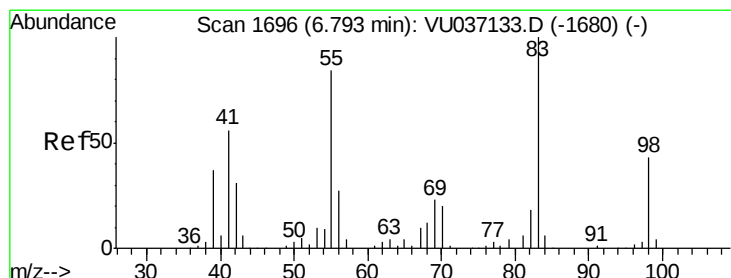
Tot Ion	Ratio	Lower	Upper
56	100		
69	29.4	26.2	39.2
84	77.6	72.8	109.2

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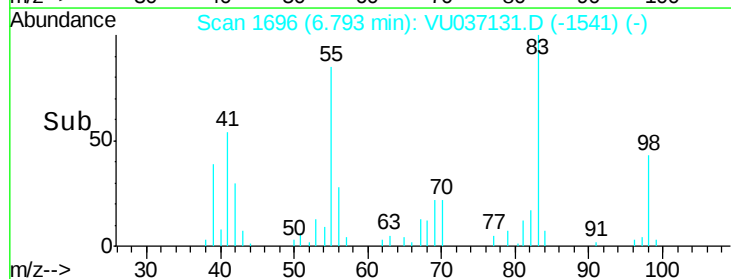
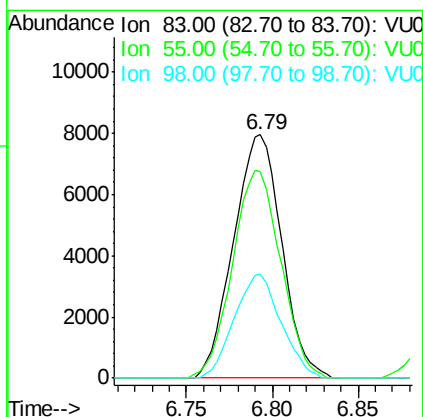
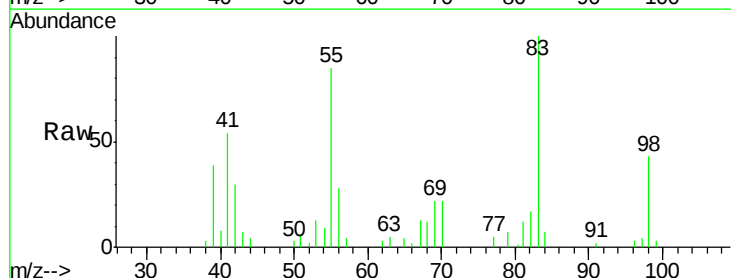
sam

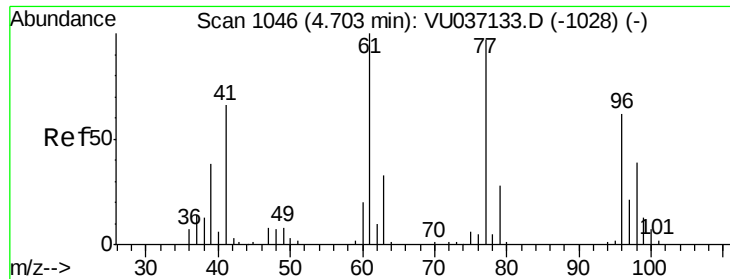
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#20
Methylcyclohexane
Concen: 1.979 ug/l
RT: 6.79 min Scan# 1696
Delta R.T. -0.00 min
Lab File: VU037131.D
Acq: 09 Mar 2020 13:25

Tgt Ion	Ratio	Lower	Upper
83	100		
55	85.4	56.6	85.0#
98	41.2	37.5	56.3



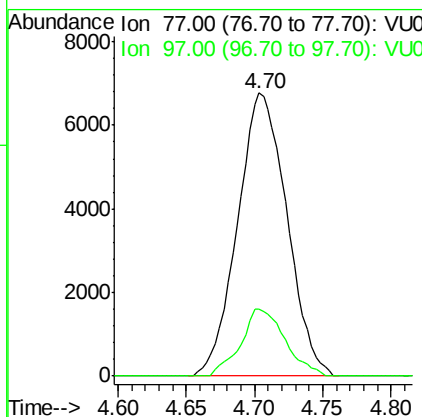
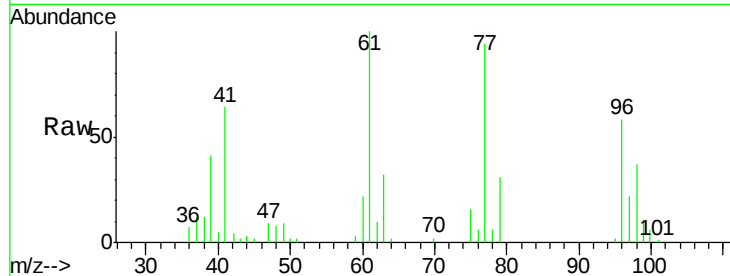


#21
 2,2-Dichloropropane
 Concen: 2.586 ug/l
 RT: 4.70 min Scan# 1046
 Delta R.T. -0.00 min
 Lab File: VU037131.D
 Acq: 09 Mar 2020 13:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

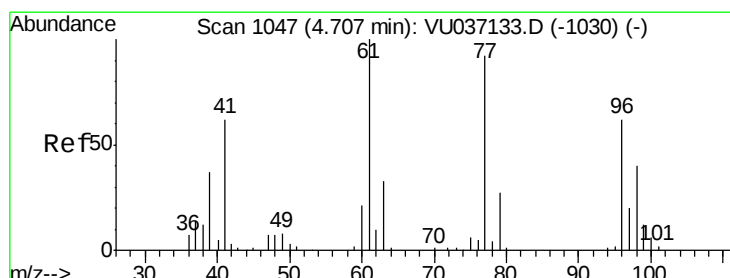
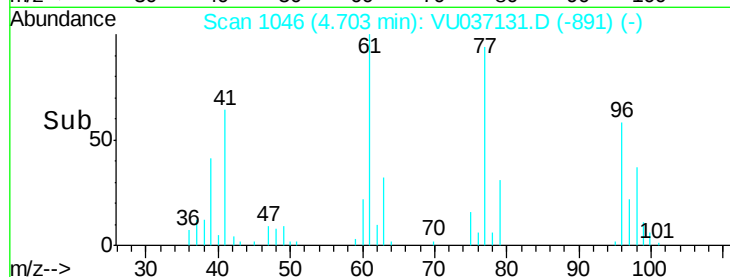
Tot Ion: 77 Resp: 16974
 Ion Ratio Lower Upper
 77 100
 97 21.3 19.0 28.4

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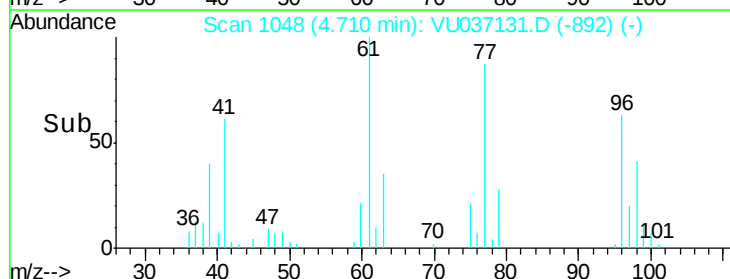
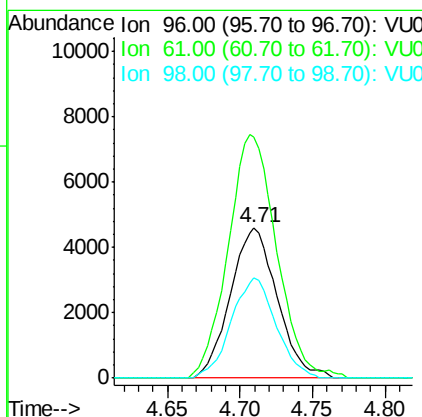
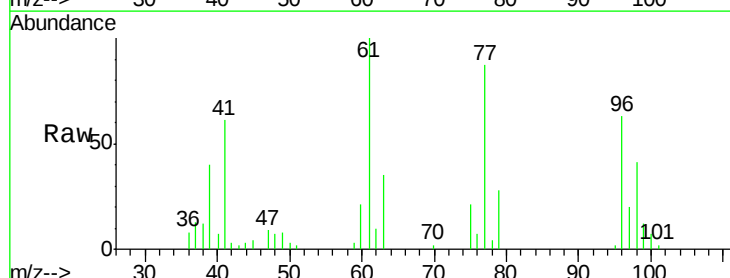
sam

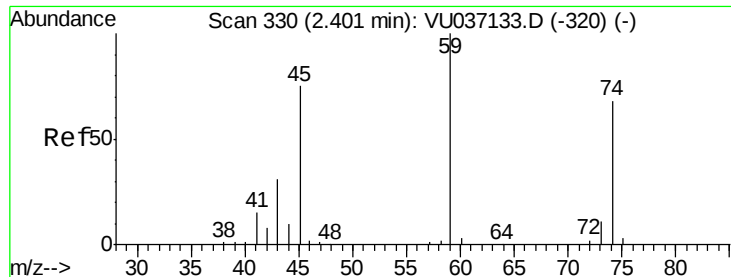
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#22
 cis-1,2-Dichloroethene
 Concen: 2.107 ug/l
 RT: 4.71 min Scan# 1048
 Delta R.T. 0.00 min
 Lab File: VU037131.D
 Acq: 09 Mar 2020 13:25

Tgt Ion: 96 Resp: 10314
 Ion Ratio Lower Upper
 96 100
 61 167.4 0.0 342.0
 98 64.0 32.0 96.0



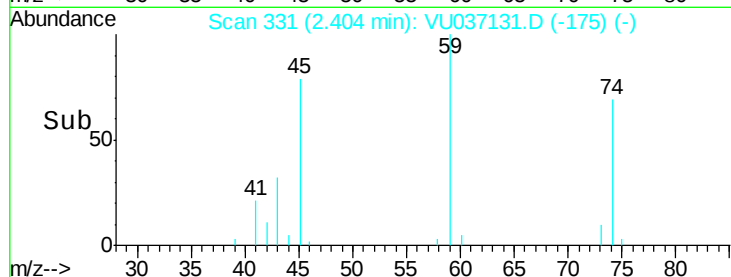
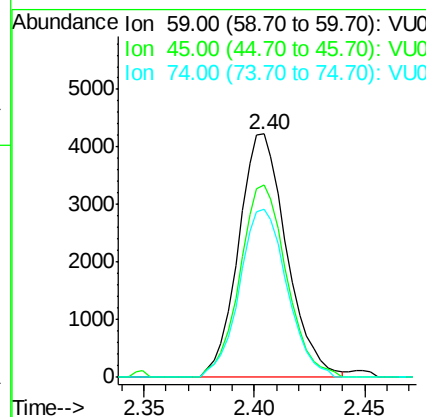
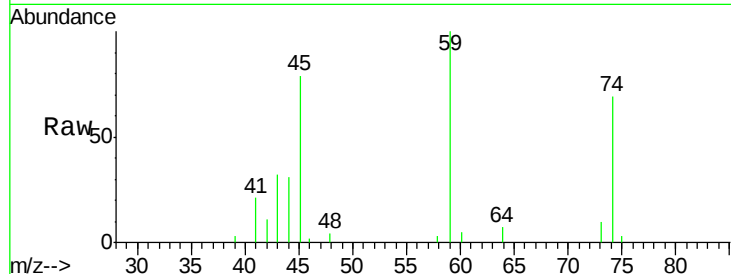


#23
Diethyl Ether
Concen: 1.937 ug/l
RT: 2.40 min Scan# 331
Delta R.T. 0.00 min
Lab File: VU037131.D
Acq: 09 Mar 2020 13:25

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

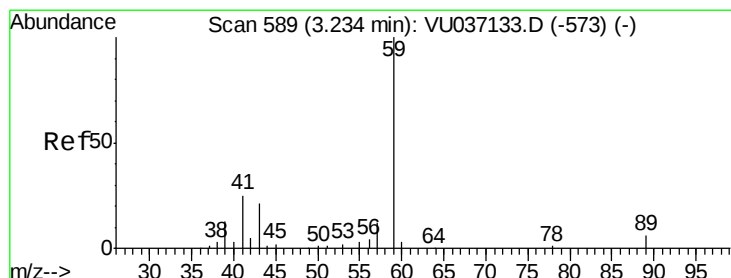
Tot Ion: 59 Resp: 6401
Ion Ratio Lower Upper
59 100
45 76.6 52.4 78.6
74 68.1 62.1 93.1

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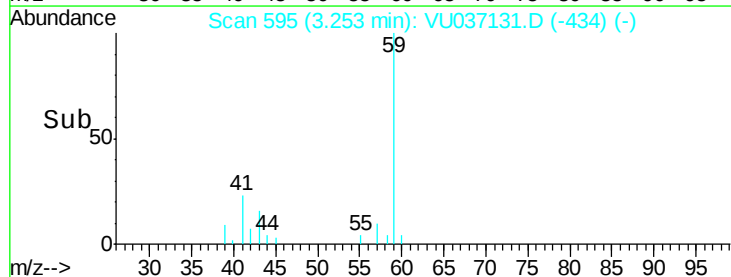
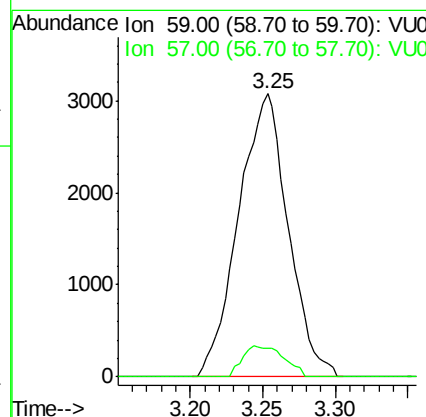
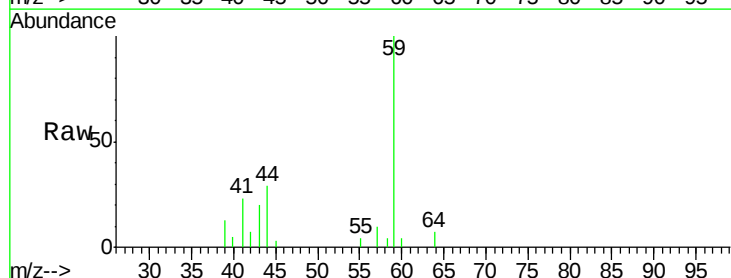
sam

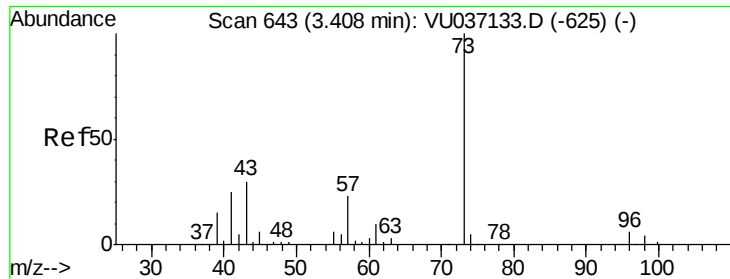
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#24
tert-Butyl Alcohol
Concen: 24.775 ug/l
RT: 3.25 min Scan# 595
Delta R.T. 0.02 min
Lab File: VU037131.D
Acq: 09 Mar 2020 13:25

Tgt Ion: 59 Resp: 7316
Ion Ratio Lower Upper
59 100
57 9.1 8.4 12.6



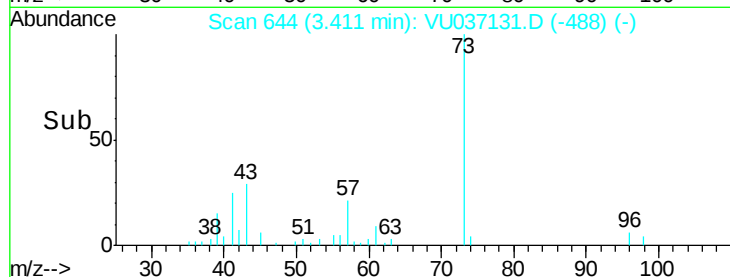
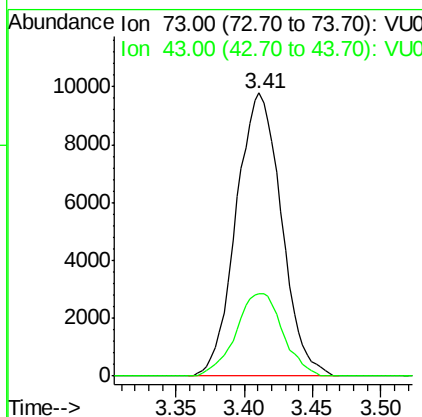
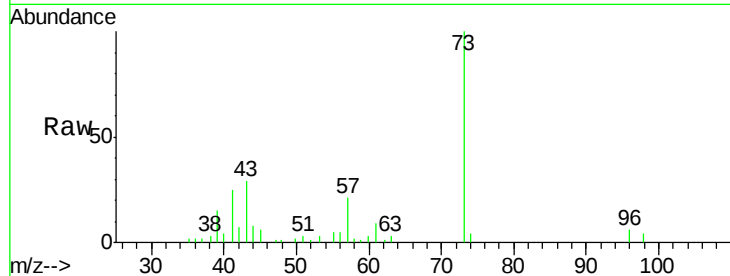


#25
Methvl tert-Butvl Ether
Concen: 2.009 ug/l
RT: 3.41 min Scan# 644
Delta R.T. 0.00 min
Lab File: VU037131.D
Acq: 09 Mar 2020 13:25

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

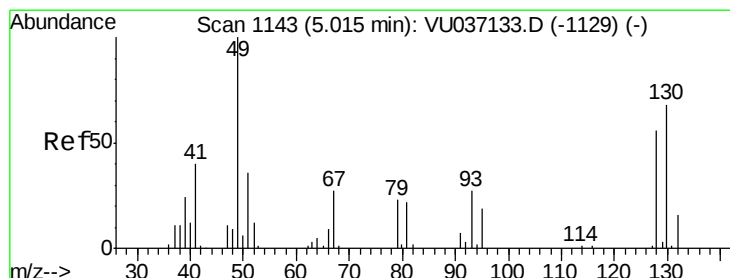
Tot Ion: 73 Resp: 22520
Ion Ratio Lower Upper
73 100
43 30.3 14.5 21.7#

Manual Integrations
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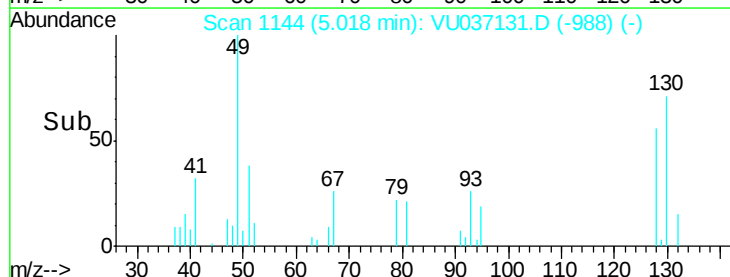
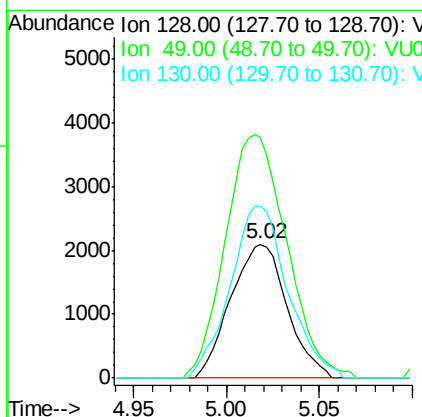
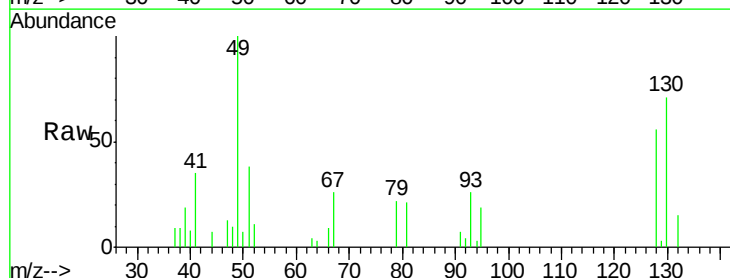
sam

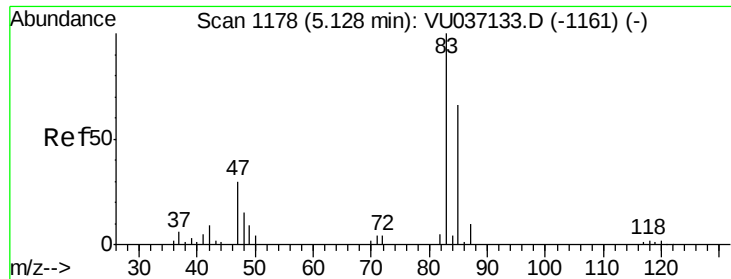
3/10/2020 3:06:27 PM



#26
Bromochloromethane
Concen: 2.087 ug/l
RT: 5.02 min Scan# 1144
Delta R.T. 0.00 min
Lab File: VU037131.D
Acq: 09 Mar 2020 13:25

Tgt Ion: 128 Resp: 4425
Ion Ratio Lower Upper
128 100
49 198.1 0.0 286.2
130 131.8 104.3 156.5



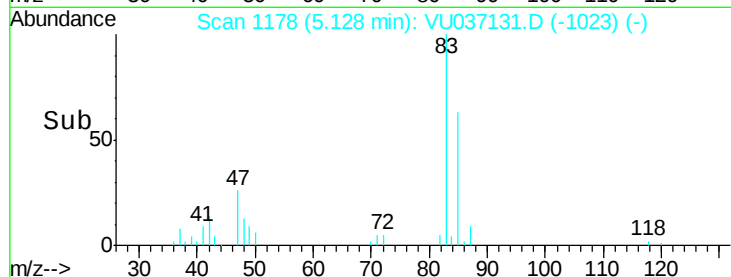
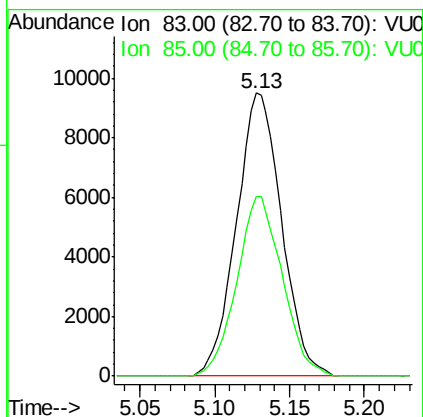
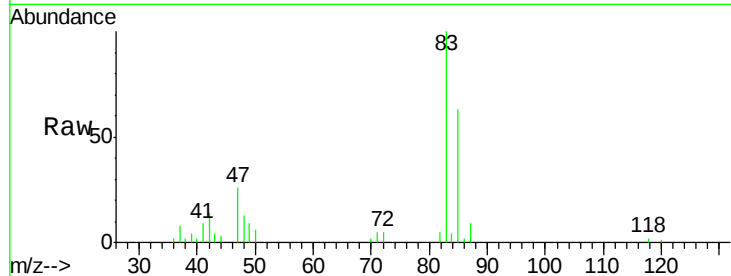


#27
Chloroform
Concen: 2.624 ug/l
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU037131.D
Acq: 09 Mar 2020 13:25

Instrument :
MSVOA_U
ClientSampled :
VSTDIC002

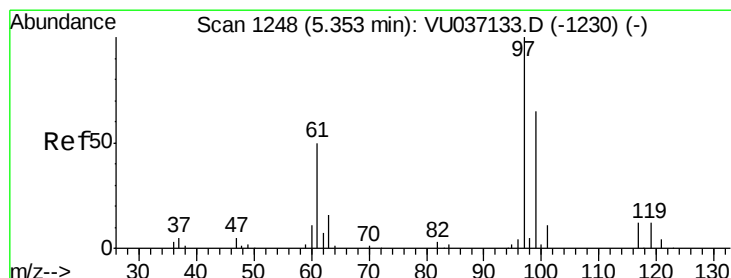
Tot Ion: 83 Resp: 19957
Ion Ratio Lower Upper
83 100
85 63.4 0.0 129.0

Manual Integrations
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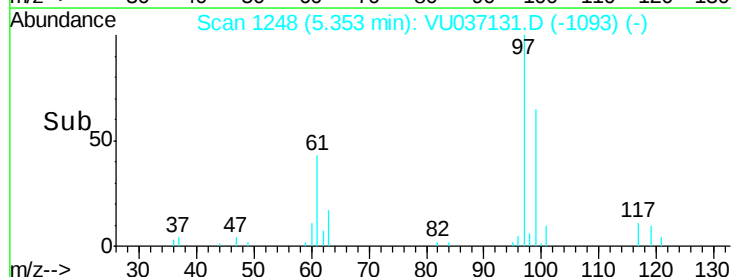
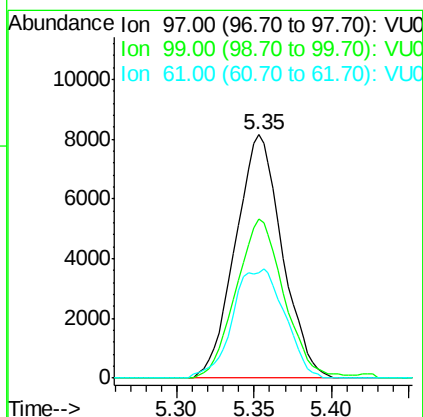
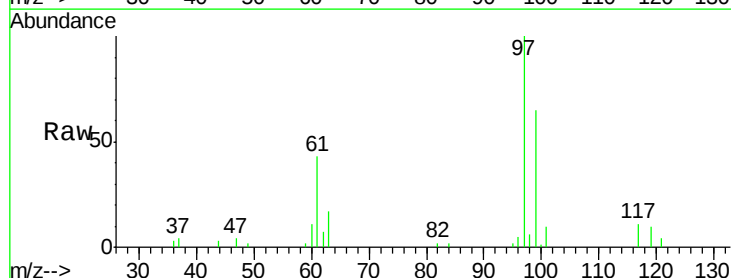
sam

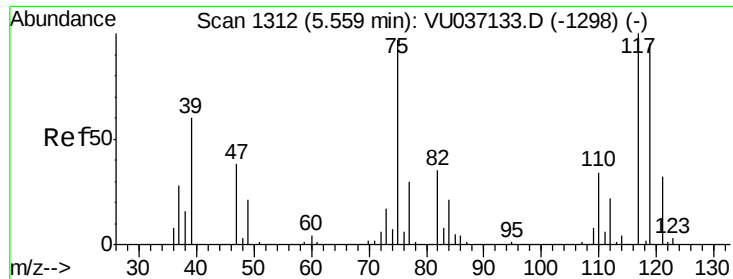
3/10/2020 3:06:27 PM



#28
1,1,1-Trichloroethane
Concen: 2.687 ug/l
RT: 5.35 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VU037131.D
Acq: 09 Mar 2020 13:25

Tgt Ion: 97 Resp: 17134
Ion Ratio Lower Upper
97 100
99 67.1 32.1 96.3
61 49.8 22.7 68.0



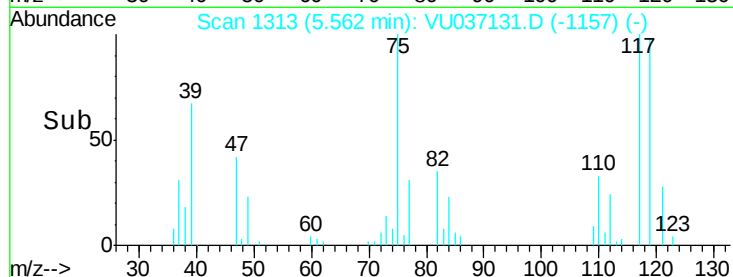
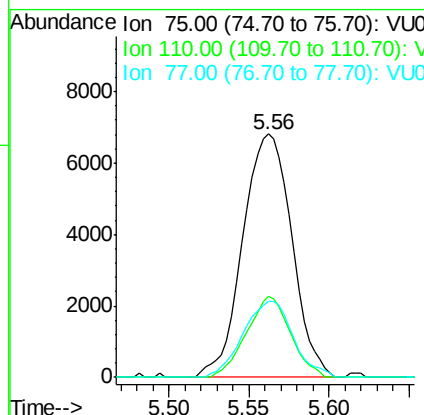
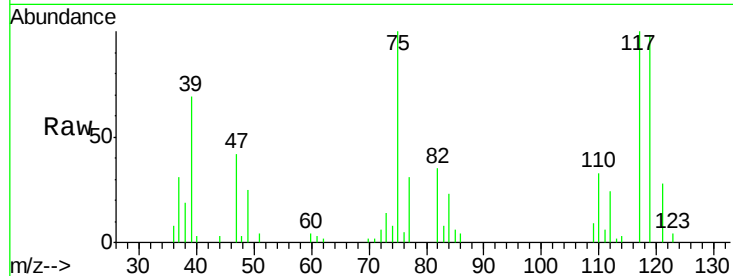


#29
1,1-Dichloropropene
Concen: 2.296 ug/l
RT: 5.56 min Scan# 1313
Delta R.T. 0.00 min
Lab File: VU037131.D
Acq: 09 Mar 2020 13:25

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

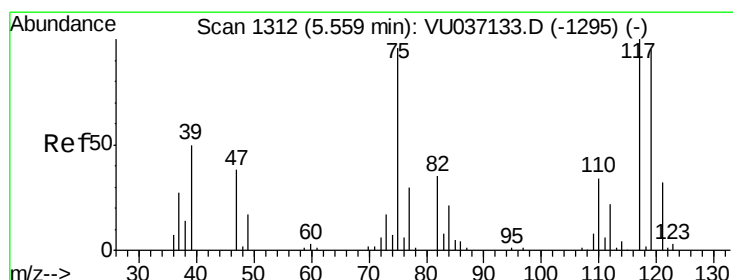
Tot Ion	Ratio	Lower	Upper
75	100		
110	29.7	18.6	55.8
77	32.0	25.0	37.4

Manual Integrations
APPROVED



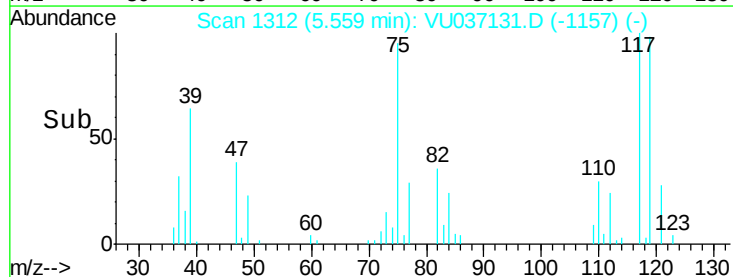
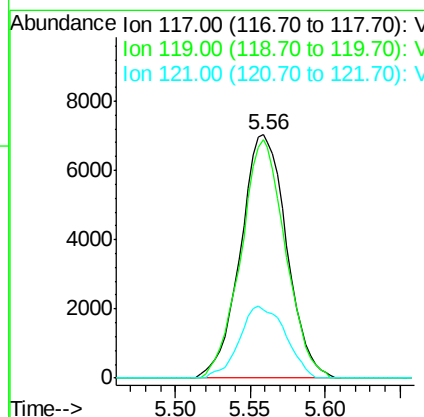
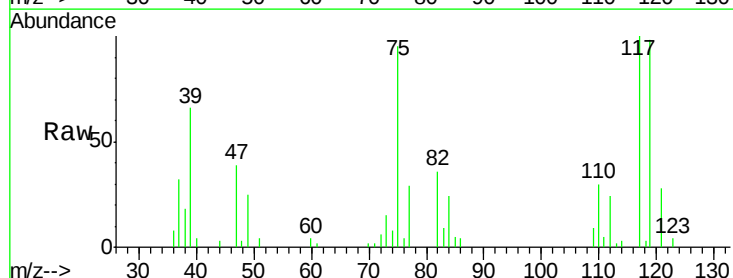
sam

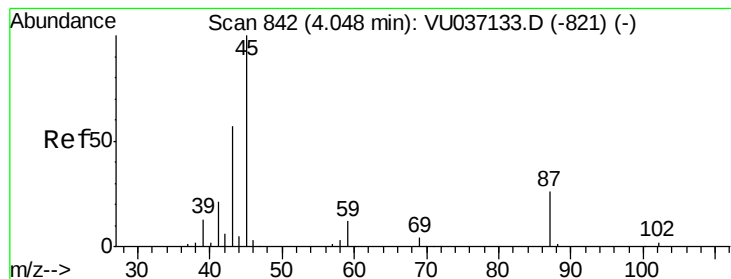
3/10/2020 3:06:27 PM



#30
Carbon Tetrachloride
Concen: 2.756 ug/l
RT: 5.56 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VU037131.D
Acq: 09 Mar 2020 13:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.0	77.0	115.6
121	28.0	23.3	34.9





#31

Isopropyl Ether

Concen: 2.559 ug/l

RT: 4.05 min Scan# 842

Delta R.T. -0.00 min

Lab File: VU037131.D

Acq: 09 Mar 2020 13:25

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 45 Resp: 29869

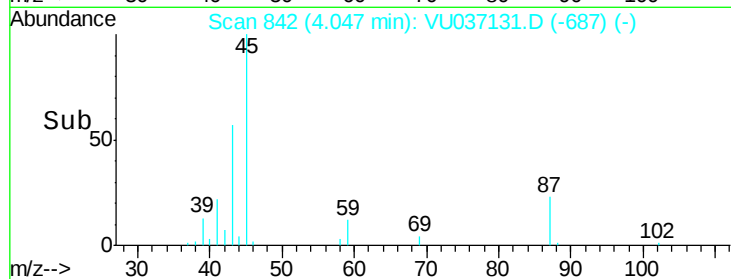
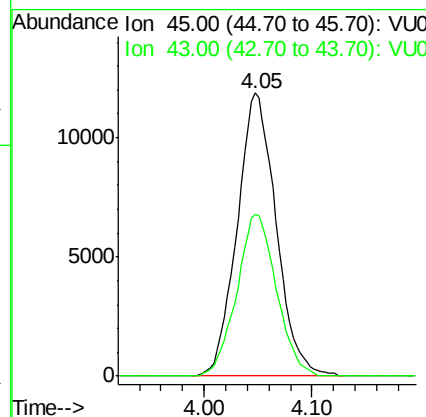
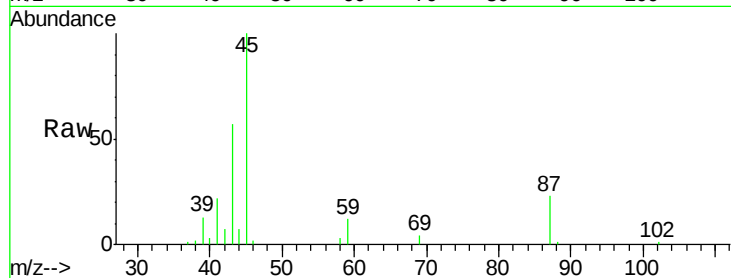
Ion Ratio Lower Upper

45 100

43 58.0 24.0 72.0

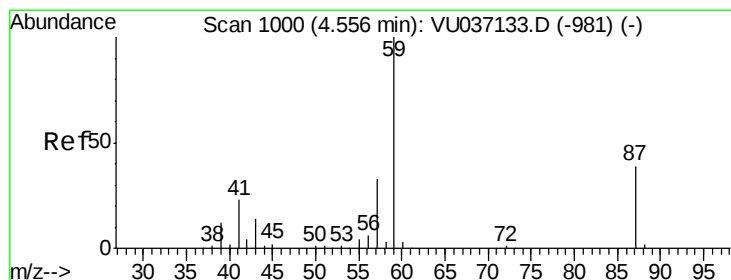
Manual Integrations

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#32

Ethyl-t-butyl ether

Concen: 2.268 ug/l

RT: 4.56 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VU037131.D

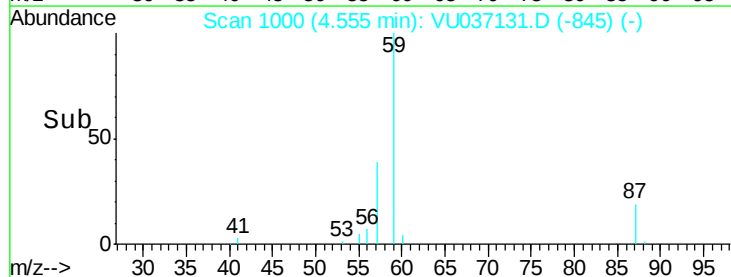
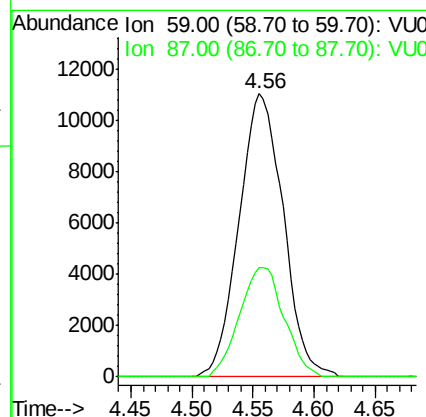
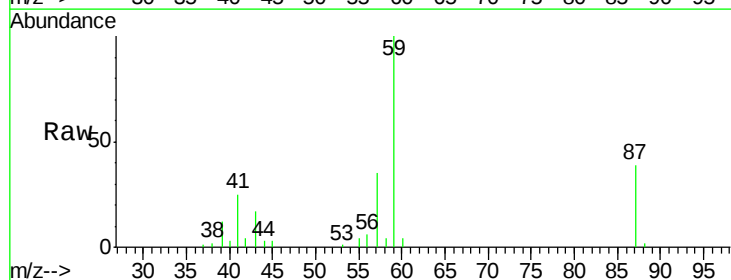
Acq: 09 Mar 2020 13:25

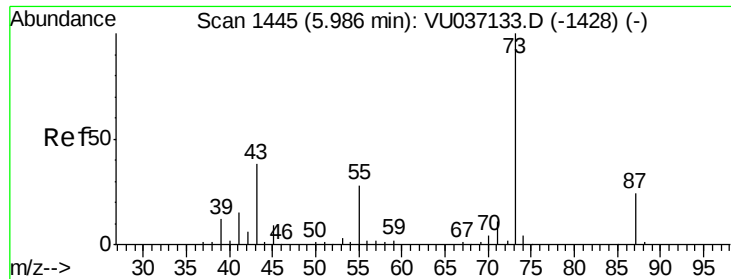
Tgt Ion: 59 Resp: 27693

Ion Ratio Lower Upper

59 100

87 38.9 35.1 52.7



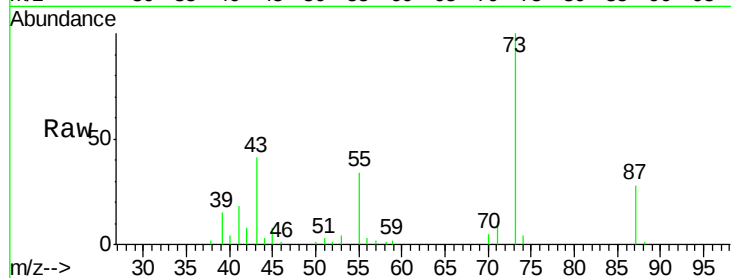


#33
Tert-Amvl methvl ether
Concen: 2.074 ug/l
RT: 5.99 min Scan# 1445
Delta R.T. -0.00 min
Lab File: VU037131.D
Acq: 09 Mar 2020 13:25

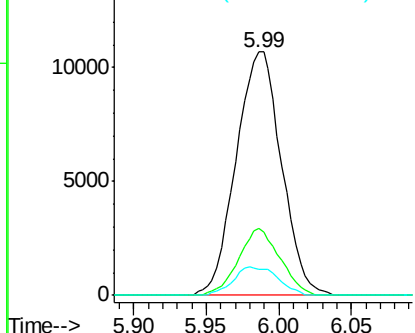
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion:	73	Resp:	23189
Ion	Ratio	Lower	Upper
73	100		
87	25.0	19.8	29.6
71	11.6	9.1	13.7

Manual Integrations
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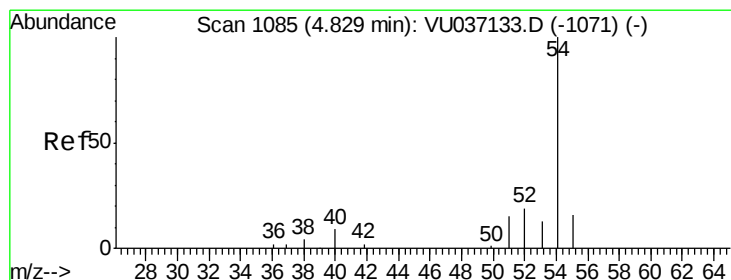


Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 87.00 (86.70 to 87.70): VU0
Ion 71.00 (70.70 to 71.70): VU0



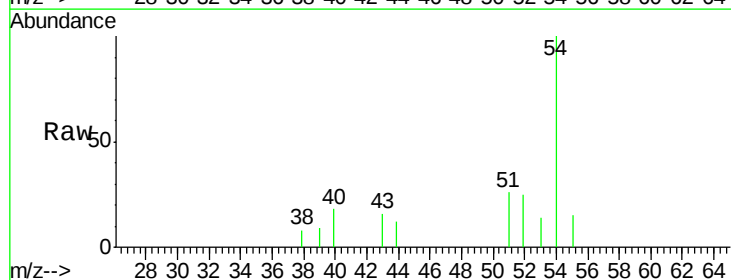
sam

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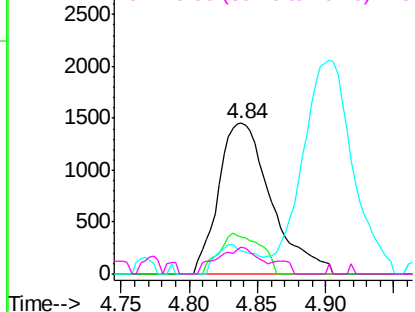


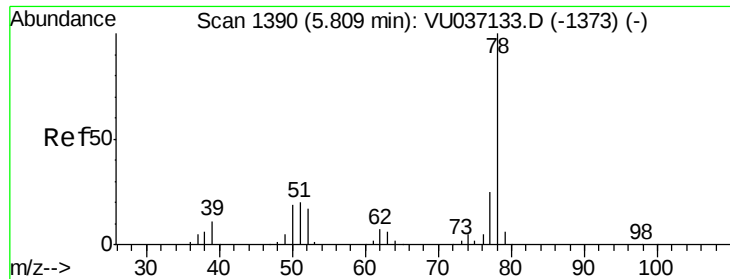
#34
Propionitrile
Concen: 12.000 ug/l
RT: 4.84 min Scan# 1088
Delta R.T. 0.01 min
Lab File: VU037131.D
Acq: 09 Mar 2020 13:25

Tgt Ion:	54	Resp:	3896
Ion	Ratio	Lower	Upper
54	100		
52	21.3	15.2	22.8
55	13.6	9.5	14.3
40	13.6	4.6	6.8#



Abundance Ion 54.00 (53.70 to 54.70): VU0
Ion 52.00 (51.70 to 52.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 40.00 (39.70 to 40.70): VU0





#35

Benzene

Concen: 2.239 ug/l

RT: 5.81 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VU037131.D

Acq: 09 Mar 2020 13:25

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

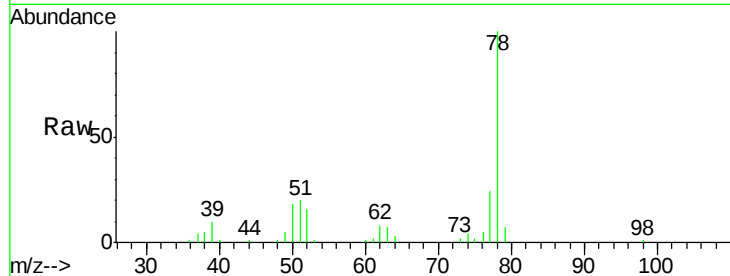
Tot Ion: 78 Resp: 40346

Ion Ratio Lower Upper

78 100

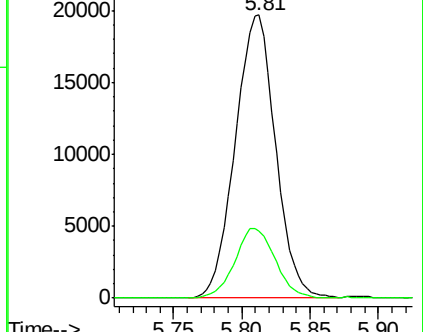
77 23.7 19.4 29.0

Manual Integrations
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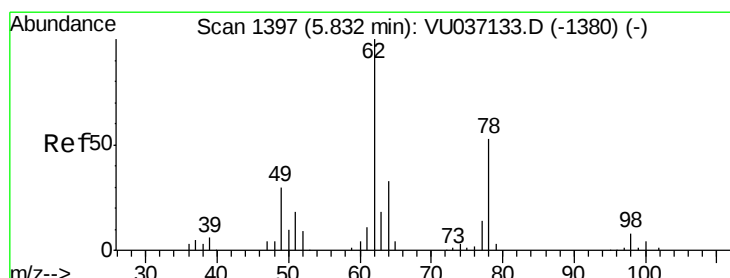
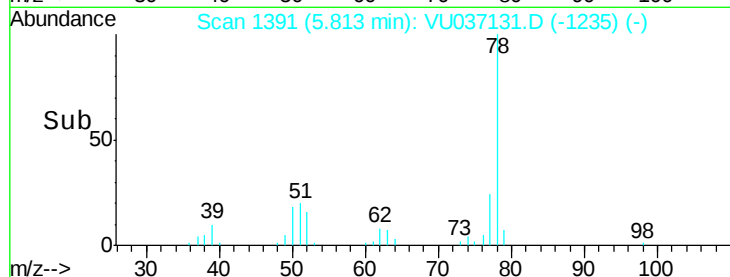


Abundance Ion 78.10 (77.80 to 78.80): VU037131.D (-1390) (-)

Ion 77.00 (76.70 to 77.70): VU037131.D (-1390) (-)



sam



#36

1,2-Dichloroethane

Concen: 2.901 ug/l

RT: 5.84 min Scan# 1398

Delta R.T. 0.00 min

Lab File: VU037131.D

Acq: 09 Mar 2020 13:25

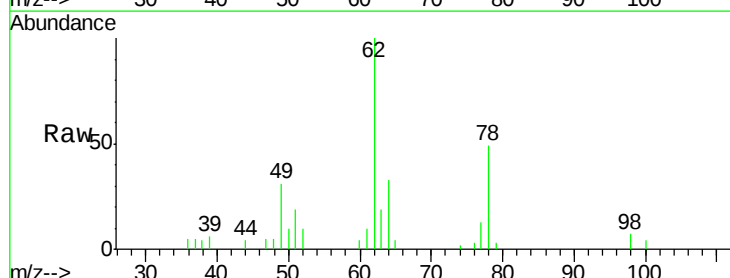
Tgt Ion: 62 Resp: 14076

Ion Ratio Lower Upper

62 100

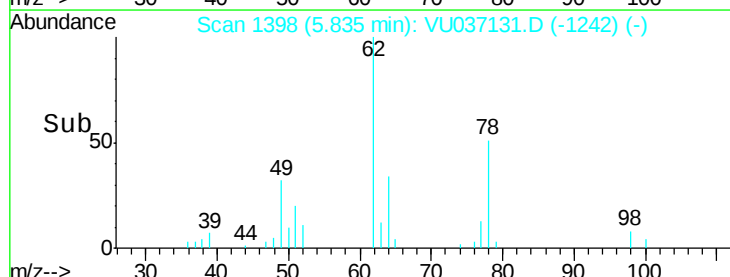
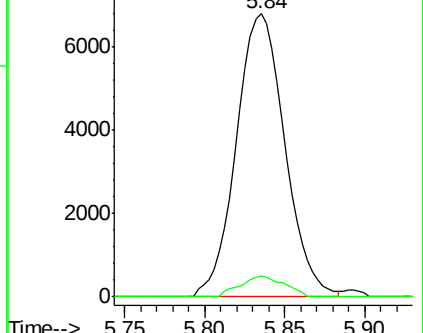
98 6.7 7.8 11.8#

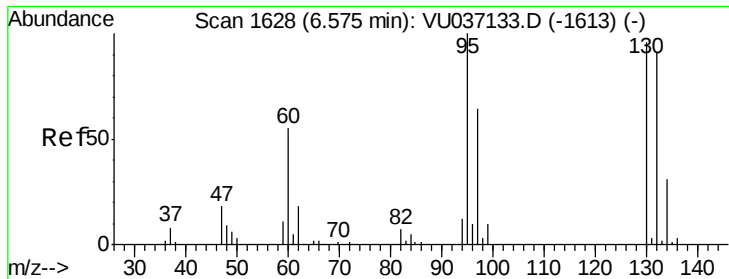
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Abundance Ion 62.00 (61.70 to 62.70): VU037131.D (-1397) (-)

Ion 98.00 (97.70 to 98.70): VU037131.D (-1397) (-)



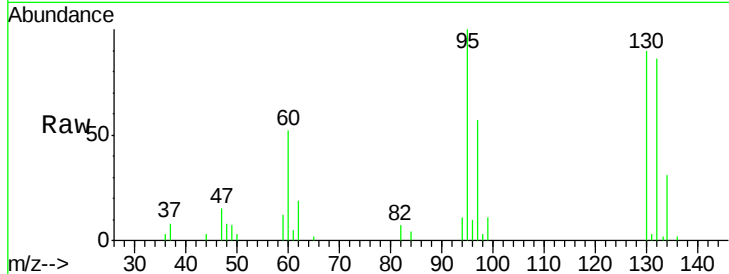


#37
 Trichloroethene
 Concen: 2.110 ug/l
 RT: 6.57 min Scan# 1628
 Delta R.T. -0.00 min
 Lab File: VU037131.D
 Acq: 09 Mar 2020 13:25

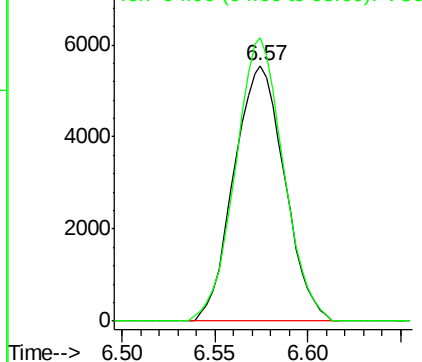
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion:130 Resp: 10501
 Ion Ratio Lower Upper
 130 100
 95 110.9 77.0 115.4

Manual Integrations
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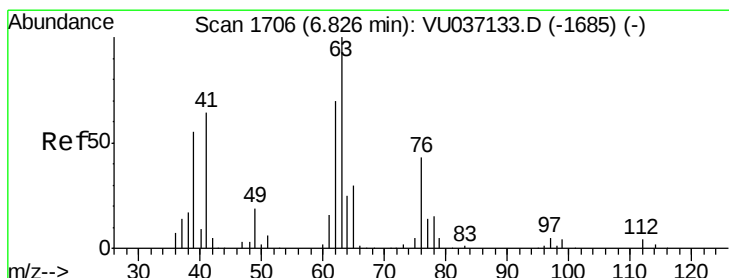
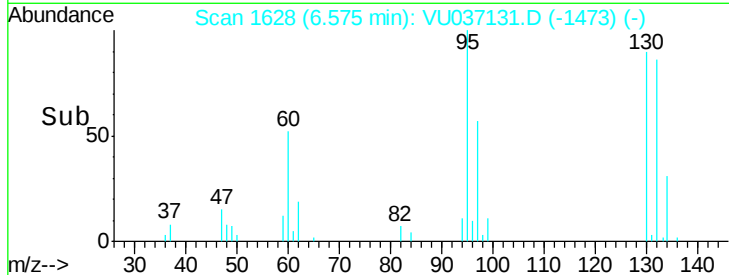


Abundance Ion 129.90 (129.60 to 130.60): VU037133.D (-1613) (-)
 Ion 94.90 (94.60 to 95.60): VU037133.D (-1613) (-)



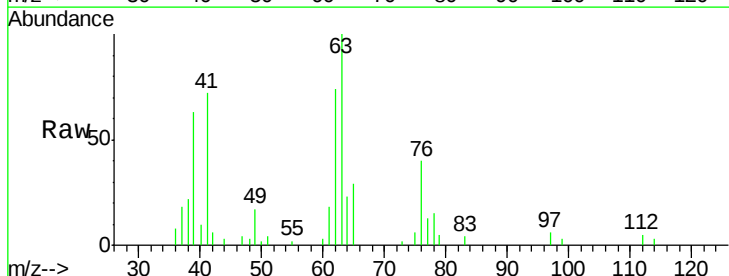
sam

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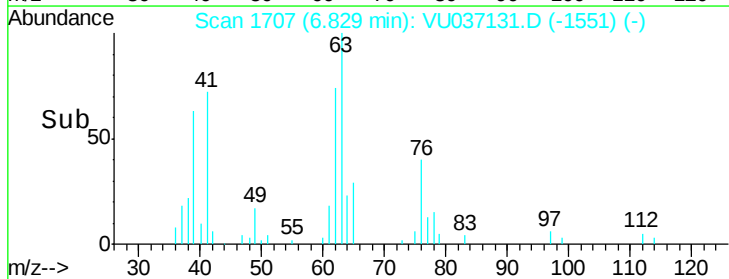
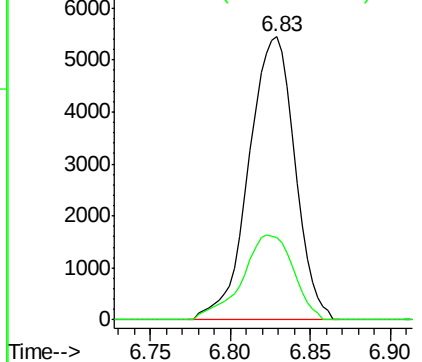


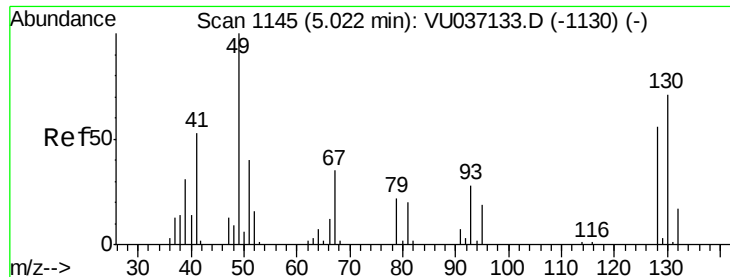
#38
 1,2-Dichloropropane
 Concen: 2.378 ug/l
 RT: 6.83 min Scan# 1707
 Delta R.T. 0.00 min
 Lab File: VU037131.D
 Acq: 09 Mar 2020 13:25

Tgt Ion: 63 Resp: 10775
 Ion Ratio Lower Upper
 63 100
 65 29.1 24.7 37.1



Abundance Ion 63.00 (62.70 to 63.70): VU037133.D (-1685) (-)
 Ion 65.00 (64.70 to 65.70): VU037133.D (-1685) (-)



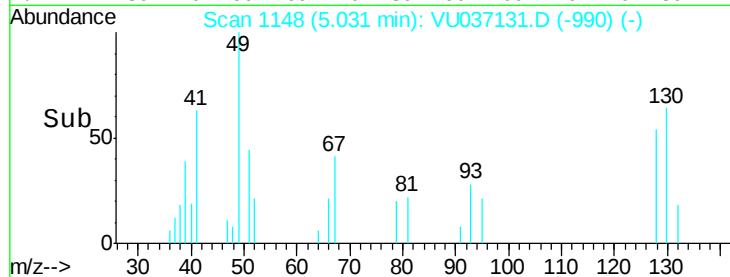
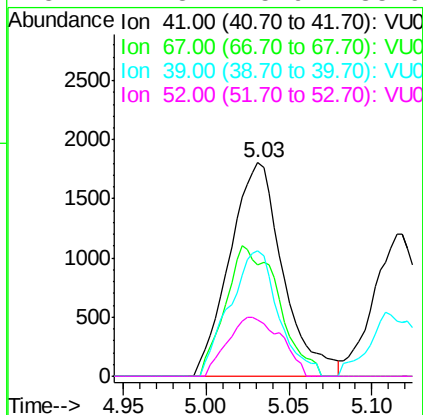
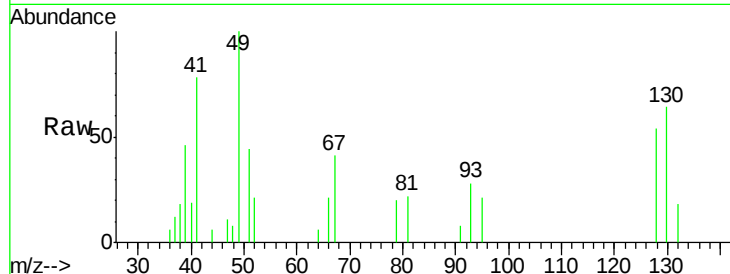


#39
Methacrylonitrile
Concen: 2.953 ug/l
RT: 5.03 min Scan# 1148
Delta R.T. 0.01 min
Lab File: VU037131.D
Acq: 09 Mar 2020 13:25

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

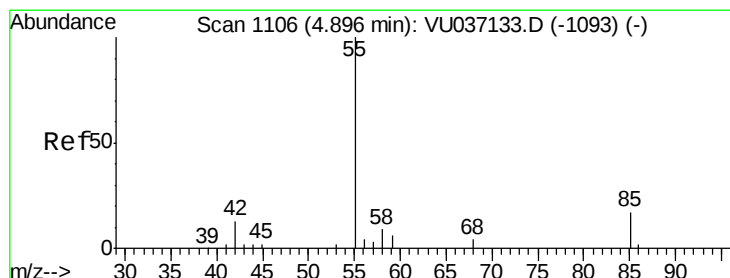
Tot Ion:	41	Resp:	4029
Ion	Ratio	Lower	Upper
41	100		
67	60.8	69.6	104.4#
39	54.2	41.6	62.4
52	27.8	25.9	38.9

Manual Integrations
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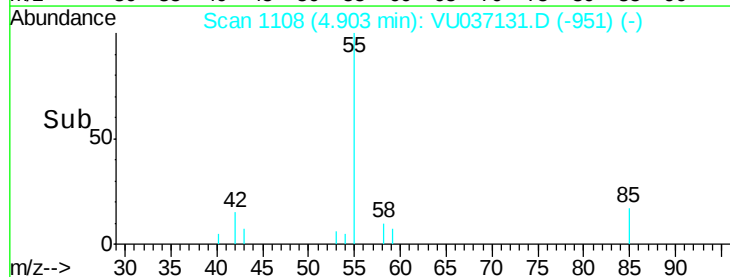
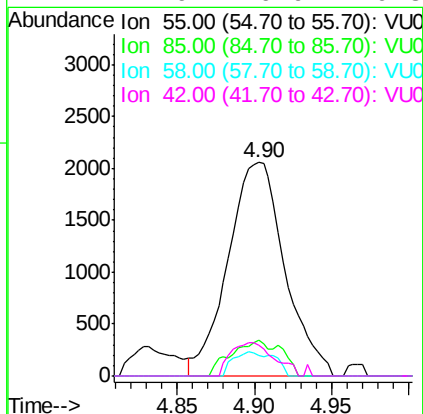
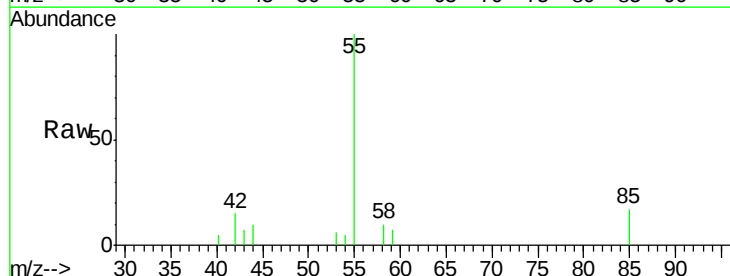
sam

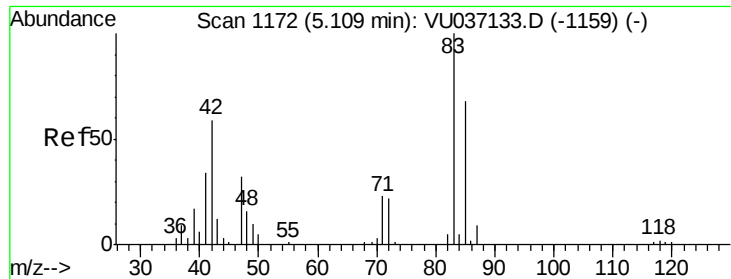
3/10/2020 3:06:27 PM



#40
Methyl acrylate
Concen: 2.427 ug/l
RT: 4.90 min Scan# 1108
Delta R.T. 0.01 min
Lab File: VU037131.D
Acq: 09 Mar 2020 13:25

Tgt Ion:	55	Resp:	5249
Ion	Ratio	Lower	Upper
55	100		
85	14.6	14.7	22.1#
58	5.7	7.1	10.7#
42	11.9	6.9	10.3#



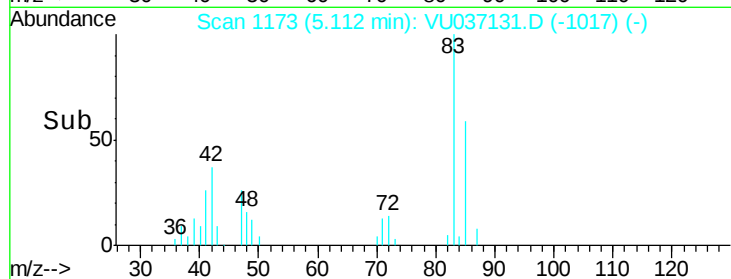
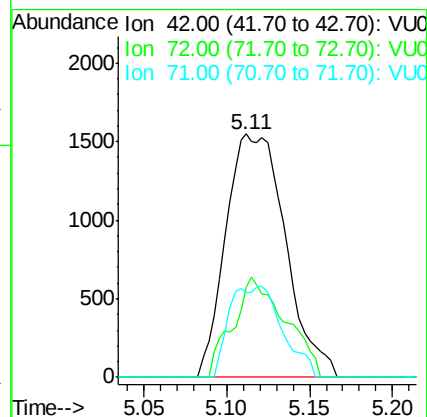
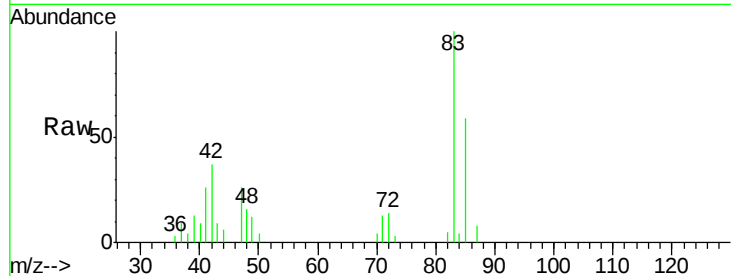


#41
Tetrahydrofuran
Concen: 5.212 ug/l
RT: 5.11 min Scan# 1173
Delta R.T. 0.00 min
Lab File: VU037131.D
Acq: 09 Mar 2020 13:25

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

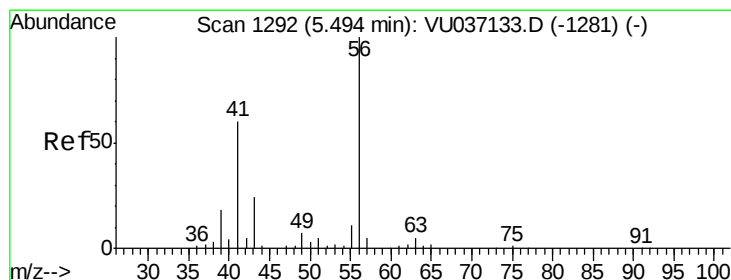
Tot Ion	Ratio	Lower	Upper
42	100		
72	36.6	42.5	63.7#
71	12.5	37.3	55.9#

Manual Integrations
APPROVED



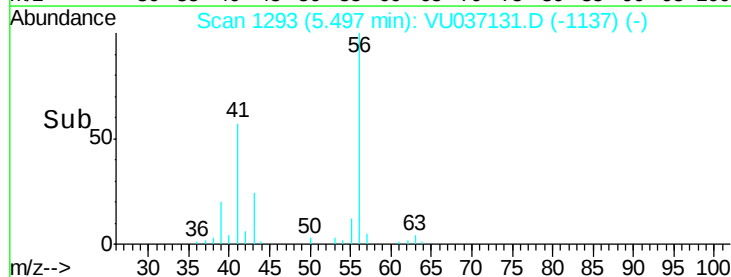
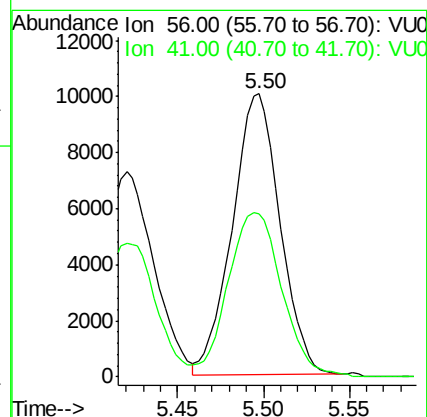
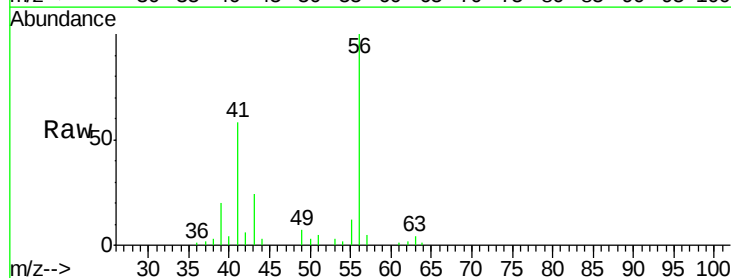
sam

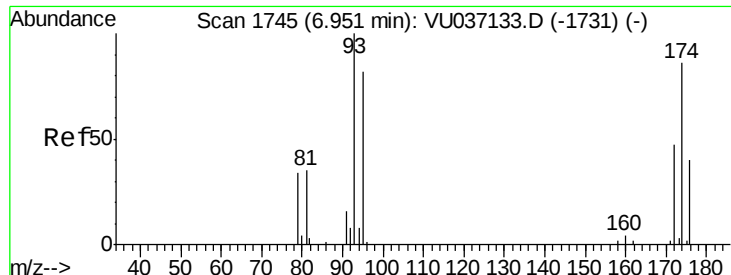
3/10/2020 3:06:27 PM



#42
1-Chlorobutane
Concen: 2.411 ug/l
RT: 5.50 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VU037131.D
Acq: 09 Mar 2020 13:25

Tgt Ion	Ratio	Lower	Upper
56	100		
41	65.9	24.8	74.3



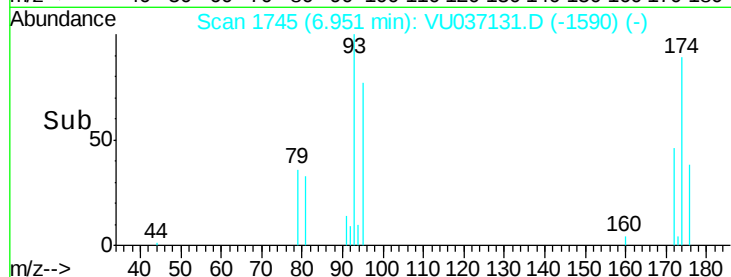
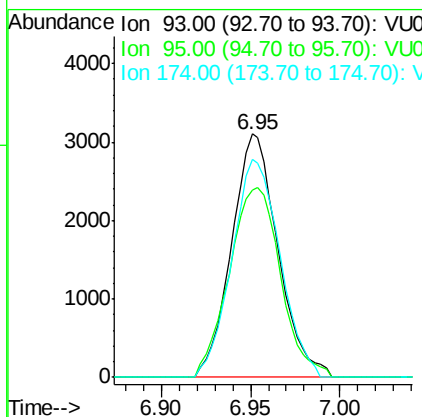
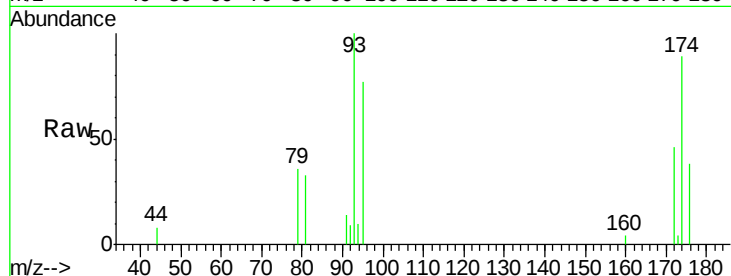


#43
Dibromomethane
Concen: 2.373 ug/l
RT: 6.95 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VU037131.D
Acq: 09 Mar 2020 13:25

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

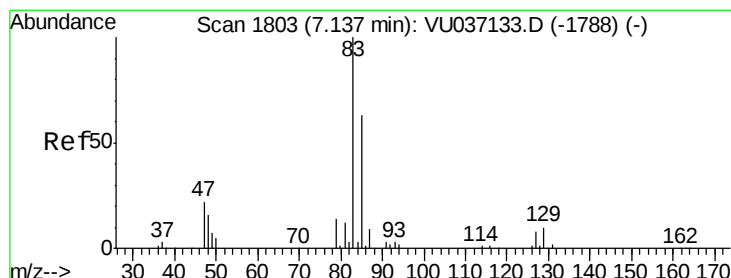
Tot Ion	Ratio	Lower	Upper
93	100		
95	86.2	67.9	101.9
174	93.0	83.4	125.0

Manual Integrations
APPROVED



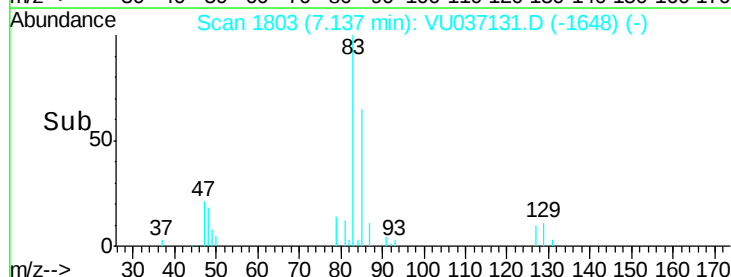
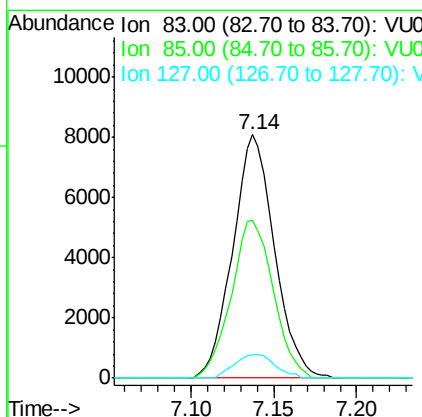
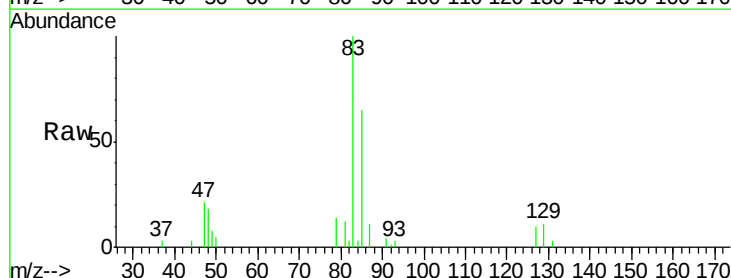
sam

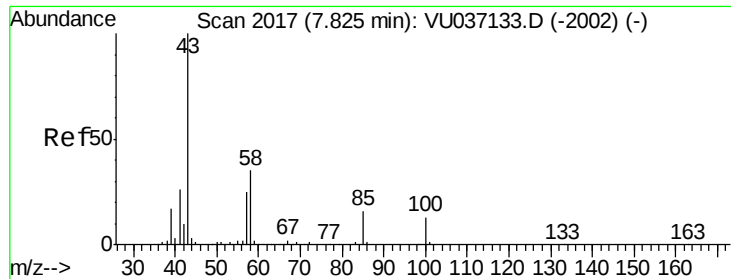
3/10/2020 3:06:27 PM



#44
Bromodichloromethane
Concen: 2.523 ug/l
RT: 7.14 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VU037131.D
Acq: 09 Mar 2020 13:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.8	77.6
127	9.8	6.8	10.2



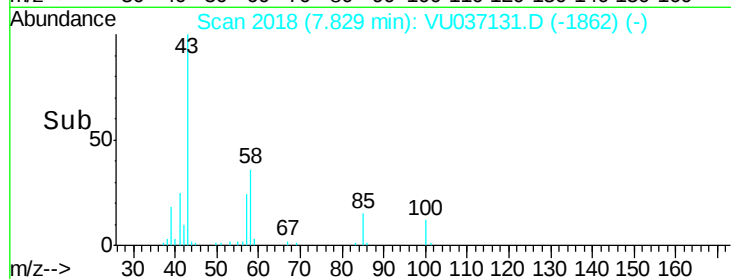
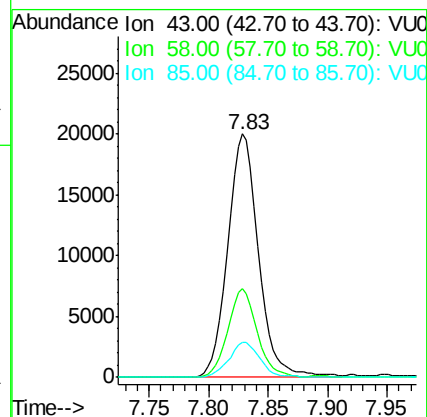
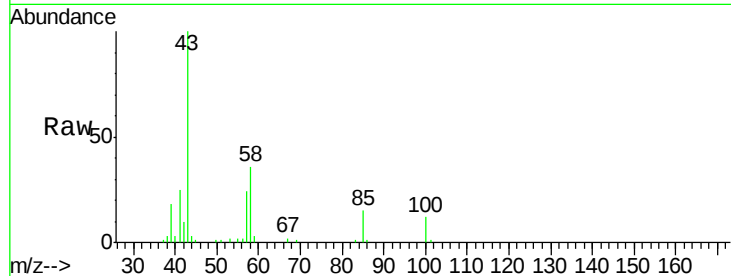


#45
4-Methyl-2-Pentanone
Concen: 13.473 ug/l
RT: 7.83 min Scan# 2018
Delta R.T. 0.00 min
Lab File: VU037131.D
Acq: 09 Mar 2020 13:25

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

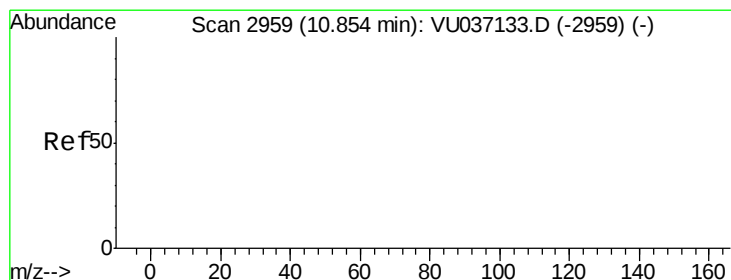
Tot Ion	Ratio	Lower	Upper
43	100		
58	34.3	22.1	66.1
85	14.5	17.4	26.0

Manual Integrations
APPROVED



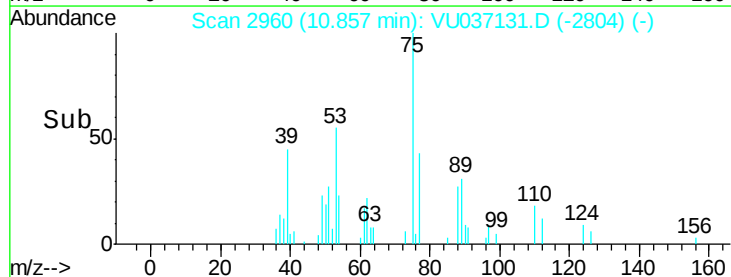
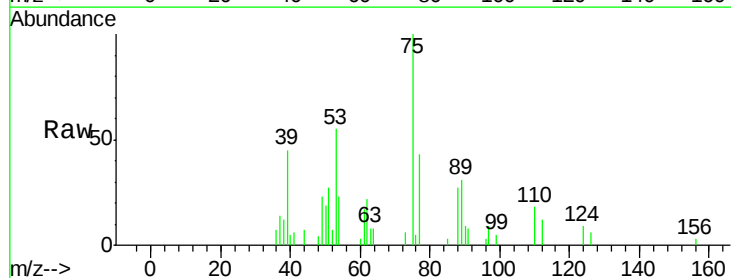
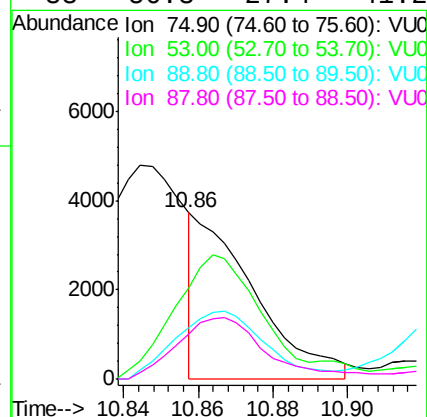
sam

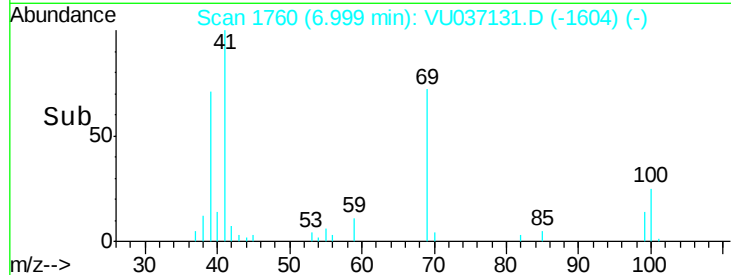
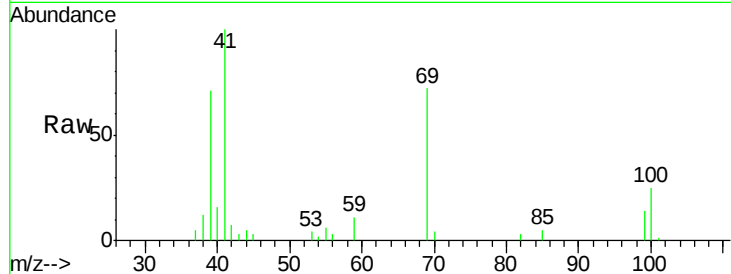
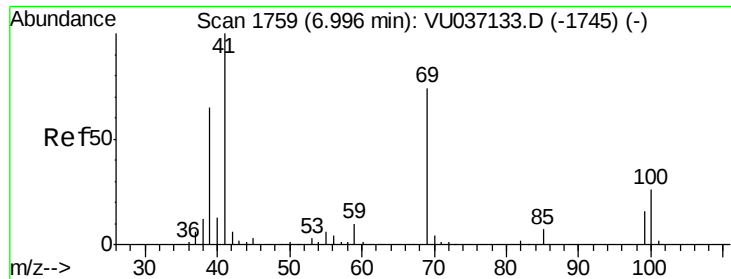
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#46
t-1,4-Dichloro-2-butene
Concen: 3.486 ug/l m
RT: 10.86 min Scan# 2960
Delta R.T. 0.00 min
Lab File: VU037131.D
Acq: 09 Mar 2020 13:25

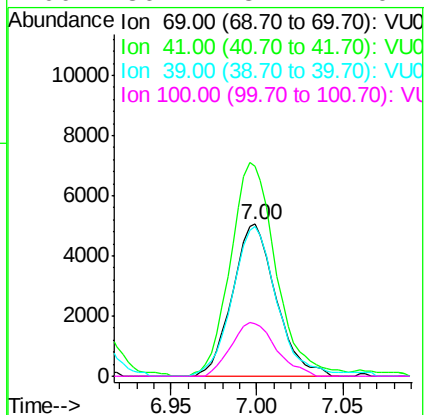
Tgt Ion	Ratio	Lower	Upper
75	100		
53	114.7	52.2	78.2
89	62.0	39.8	59.6
88	56.3	27.4	41.2





#47
Methyl methacrylate
Concen: 3.869 ug/l
RT: 7.00 min Scan# 1760
Delta R.T. 0.00 min
Lab File: VU037131.D
Acq: 09 Mar 2020 13:25

Tot Ion	Ratio	Lower	Upper
69	100		
41	146.4	0.0	200.8
39	99.9	43.5	65.3
100	36.2	31.1	46.7

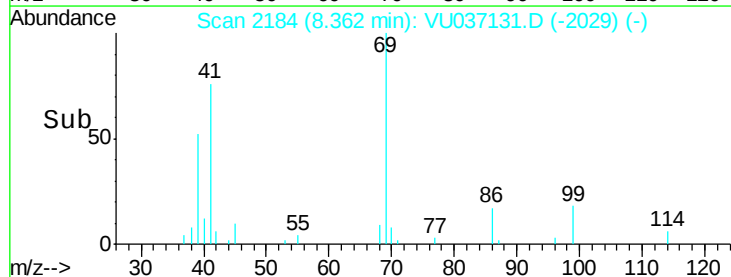
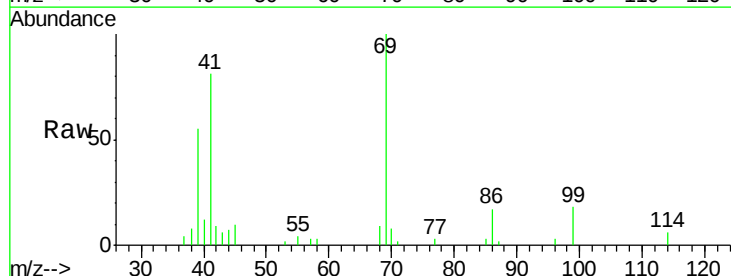
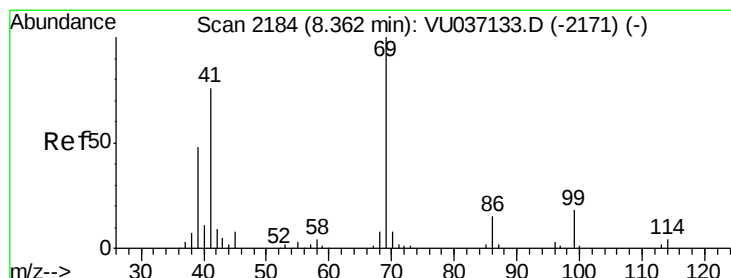


Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Manual Integrations
APPROVED

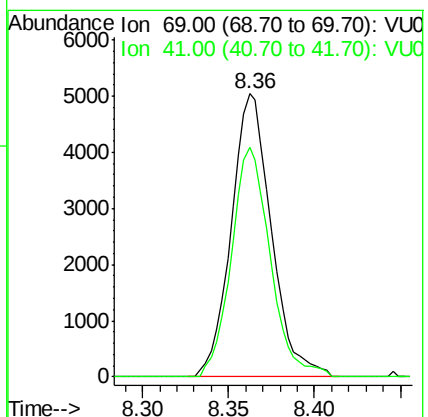
sam

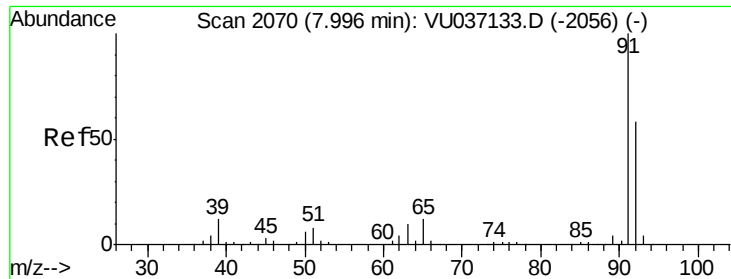
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#48
Ethyl methacrylate
Concen: 1.833 ug/l
RT: 8.36 min Scan# 2184
Delta R.T. -0.00 min
Lab File: VU037131.D
Acq: 09 Mar 2020 13:25

Tgt Ion	Ratio	Lower	Upper
69	100		
41	78.7	27.9	83.6





#49

Toluene

Concen: 2.013 ug/l

RT: 8.00 min Scan# 2070

Delta R.T. -0.00 min

Lab File: VU037131.D

Acq: 09 Mar 2020 13:25

Instrument :

MSVOA_U

ClientSampled :

VSTDIC002

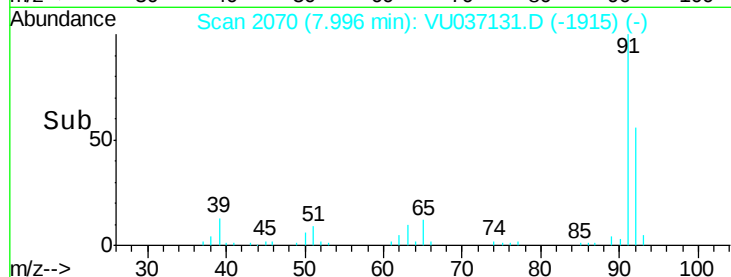
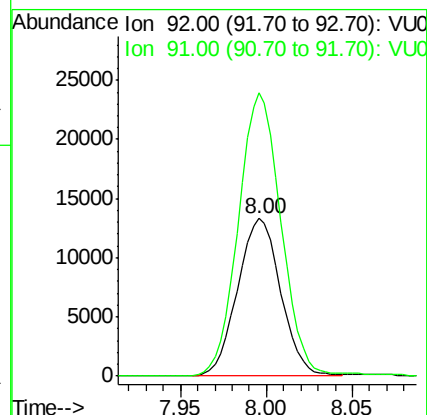
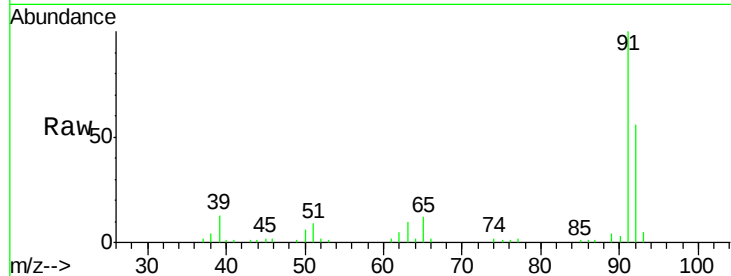
Tot Ion: 92 Resp: 23160

Ion Ratio Lower Upper

92 100

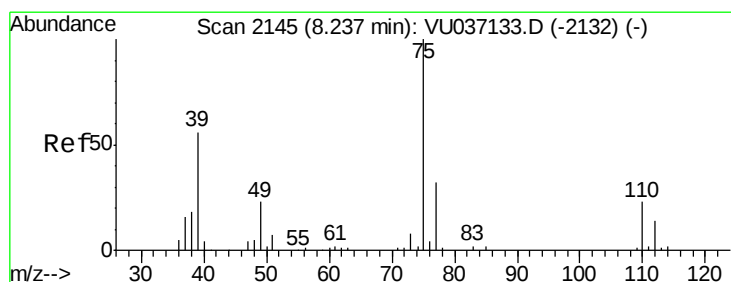
91 177.0 139.1 208.7

Manual Integrations
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sam

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#50

t-1,3-Dichloropropene

Concen: 2.222 ug/l

RT: 8.24 min Scan# 2146

Delta R.T. 0.00 min

Lab File: VU037131.D

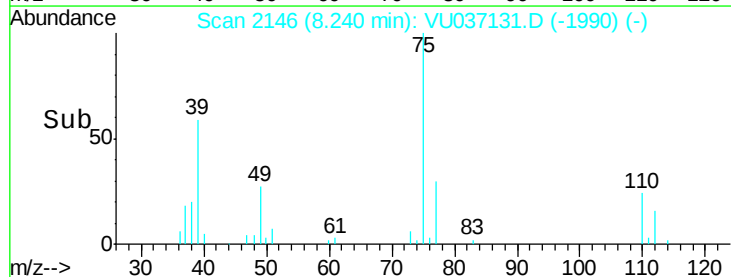
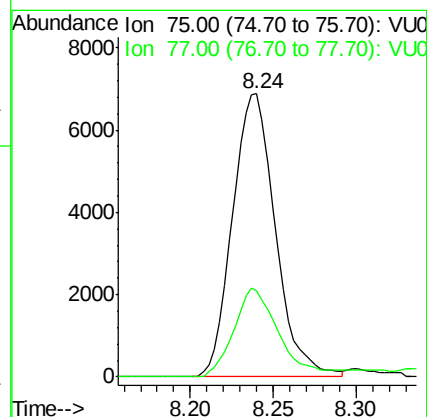
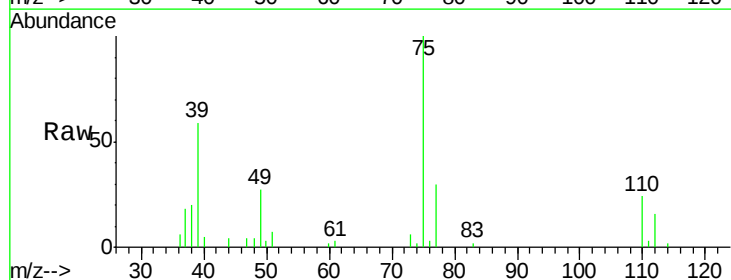
Acq: 09 Mar 2020 13:25

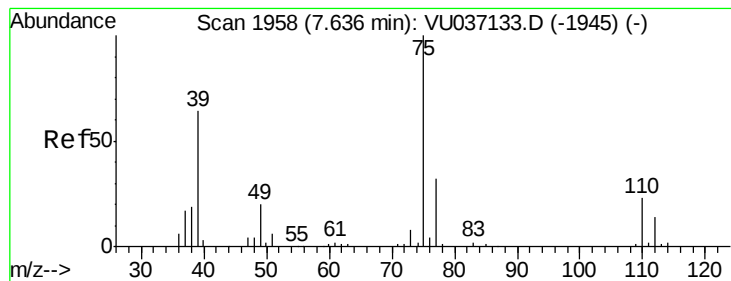
Tgt Ion: 75 Resp: 12389

Ion Ratio Lower Upper

75 100

77 30.3 25.4 38.2





#51

cis-1,3-Dichloropropene

Concen: 2.205 ug/l

RT: 7.64 min Scan# 1958

Delta R.T. -0.00 min

Lab File: VU037131.D

Acq: 09 Mar 2020 13:25

Instrument :

MSVOA_U

ClientSampled :

VSTDIC002

Tot Ion: 75 Resp: 14899

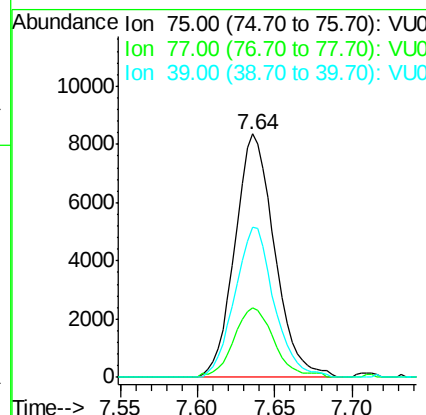
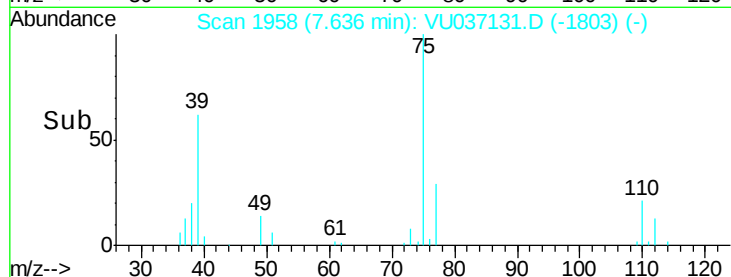
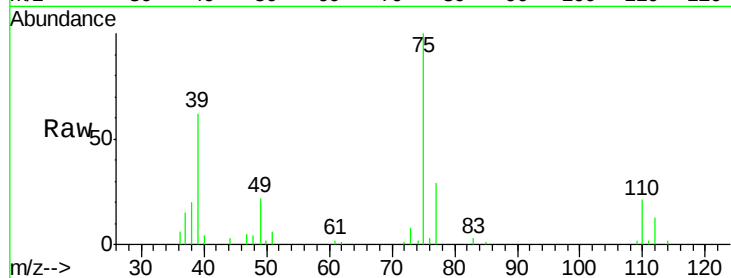
Ion Ratio Lower Upper

75 100

77 28.6 25.3 37.9

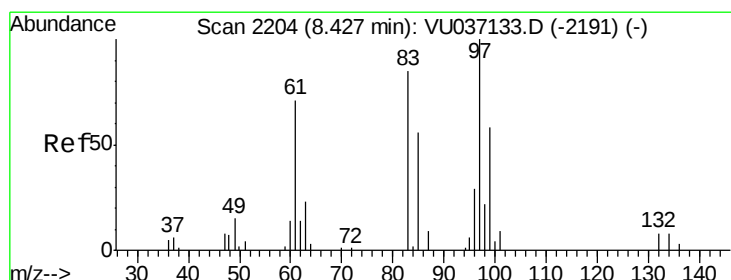
39 61.7 31.8 47.6#

Manual Integrations
APPROVED



sam

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#52

1,1,2-Trichloroethane

Concen: 2.167 ug/l

RT: 8.43 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VU037131.D

Acq: 09 Mar 2020 13:25

Tgt Ion: 97 Resp: 7272

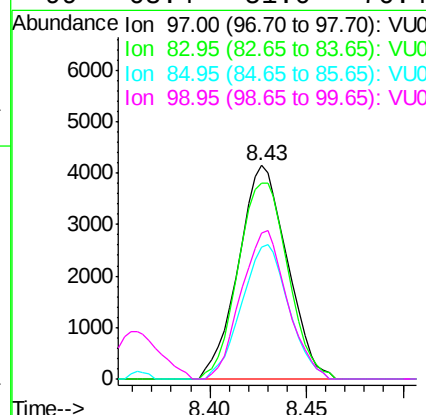
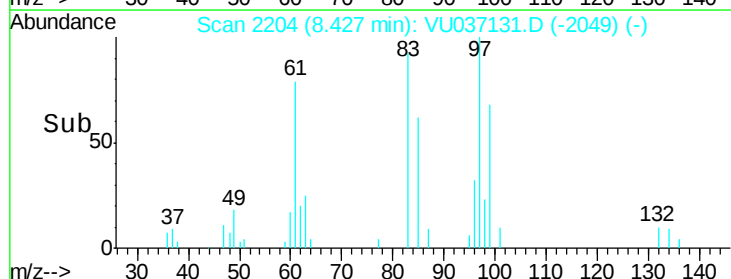
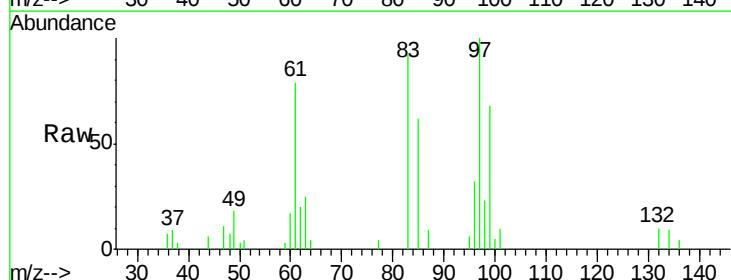
Ion Ratio Lower Upper

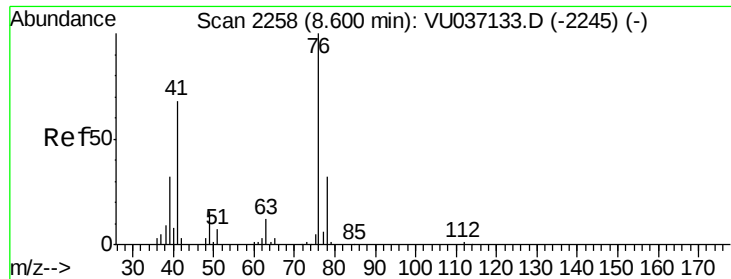
97 100

83 91.9 70.9 106.3

85 61.6 45.6 68.4

99 68.4 51.0 76.4



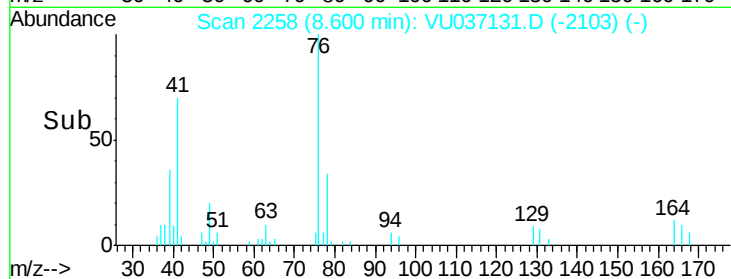
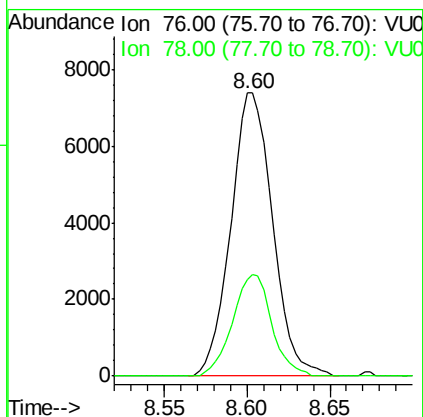
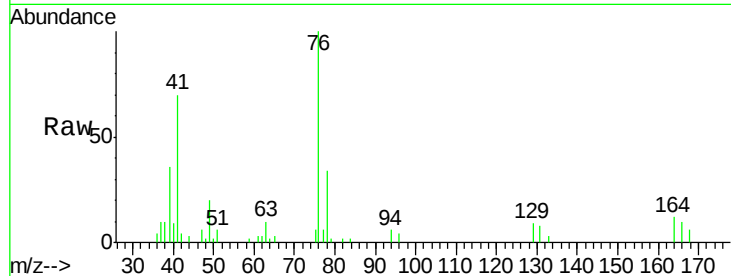


#53
 1,3-Dichloropropane
 Concen: 2.253 ug/l
 RT: 8.60 min Scan# 2258
 Delta R.T. -0.00 min
 Lab File: VU037131.D
 Acq: 09 Mar 2020 13:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

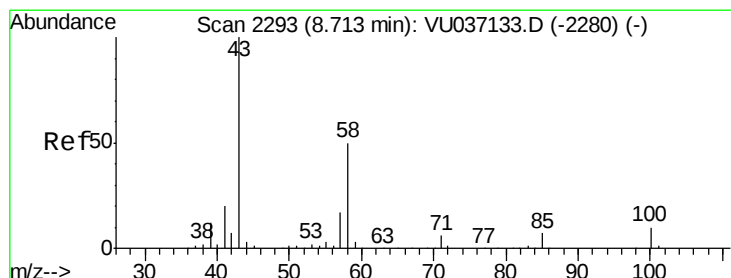
Tot Ion	Ratio	Lower	Upper
76	100		
78	33.5	25.4	38.2

Manual Integrations
 APPROVED



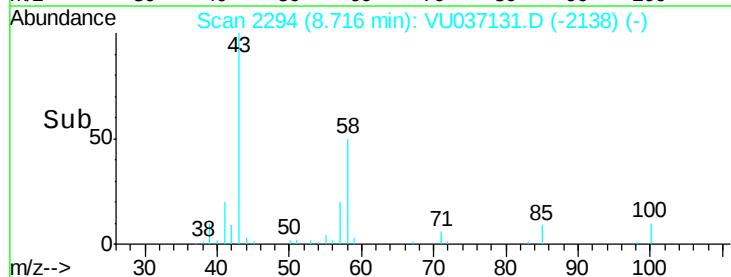
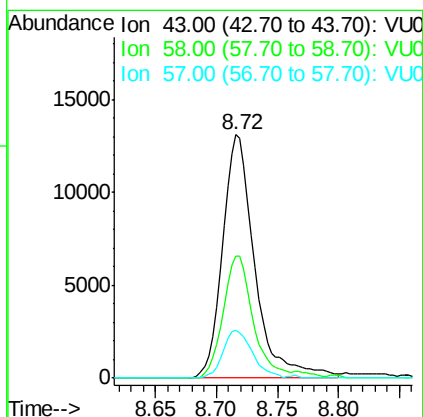
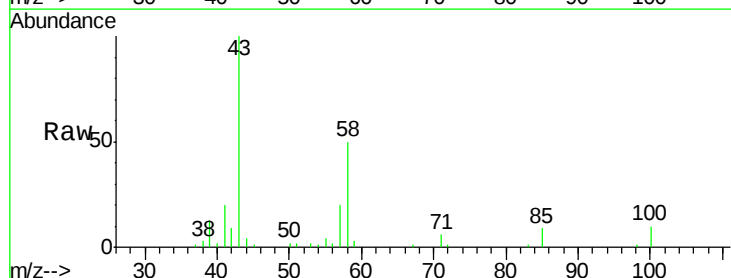
sam

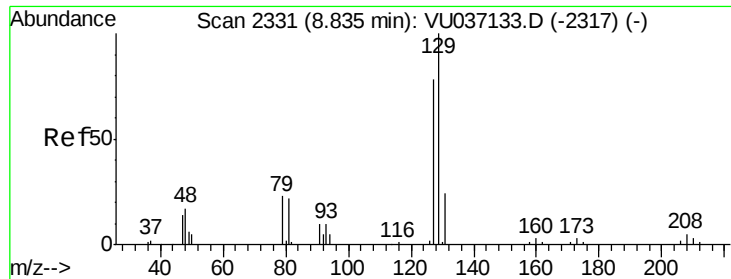
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#54
 2-Hexanone
 Concen: 13.021 ug/l
 RT: 8.72 min Scan# 2294
 Delta R.T. 0.00 min
 Lab File: VU037131.D
 Acq: 09 Mar 2020 13:25

Tgt Ion	Ratio	Lower	Upper
43	100		
58	46.5	40.6	80.6
57	17.9	1.2	41.2





#55

Dibromochloromethane

Concen: 2.293 ug/l

RT: 8.84 min Scan# 2332

Delta R.T. 0.00 min

Lab File: VU037131.D

Acq: 09 Mar 2020 13:25

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion:129 Resp: 8858

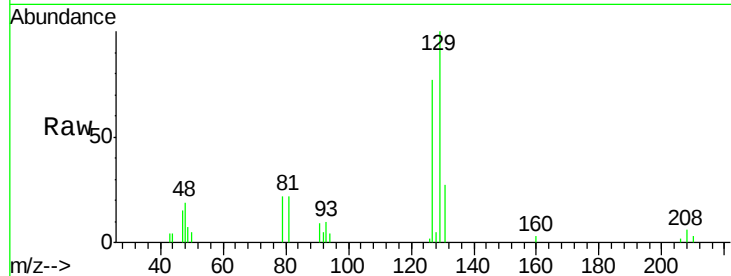
Ion Ratio Lower Upper

129 100

127 77.1 62.6 94.0

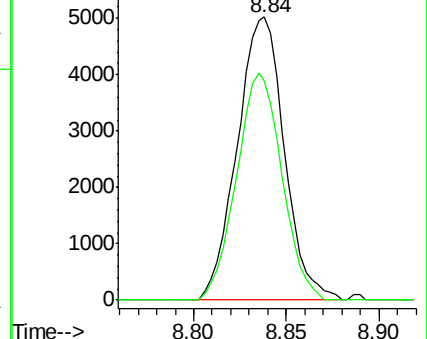
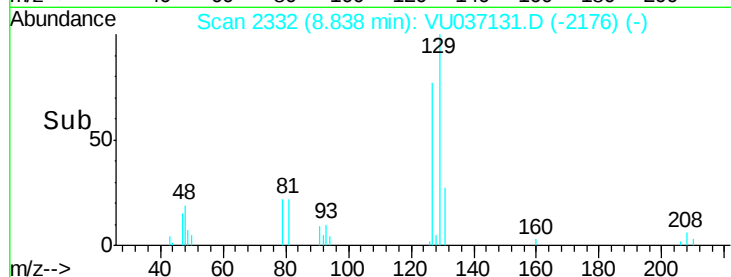
Manual Integrations

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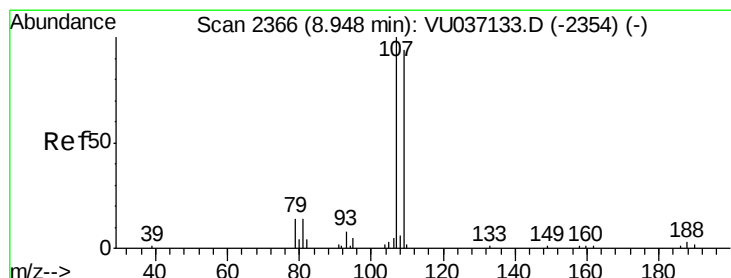
Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



sam

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#56

1,2-Dibromoethane

Concen: 2.181 ug/l

RT: 8.95 min Scan# 2366

Delta R.T. -0.00 min

Lab File: VU037131.D

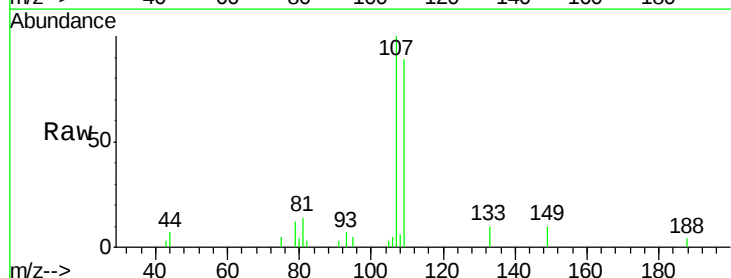
Acq: 09 Mar 2020 13:25

Tgt Ion:107 Resp: 7049

Ion Ratio Lower Upper

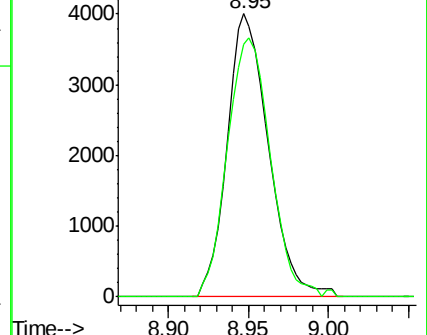
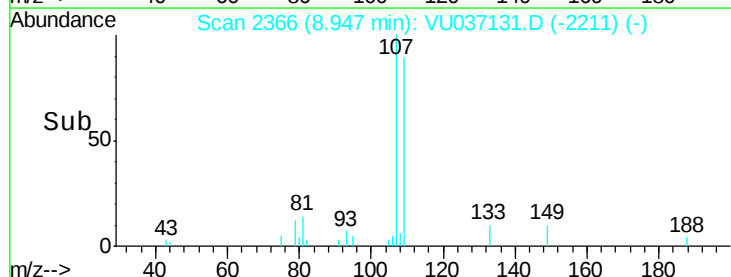
107 100

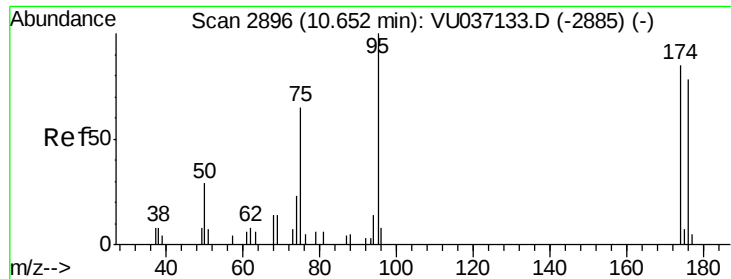
109 95.2 0.0 190.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



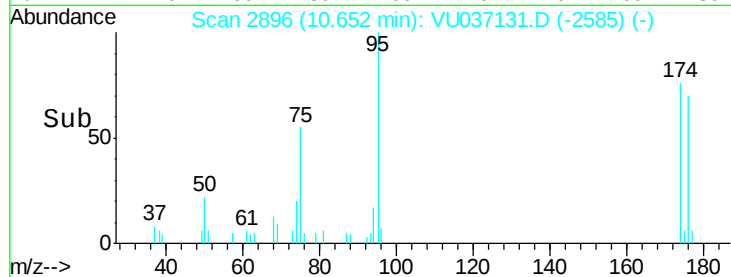
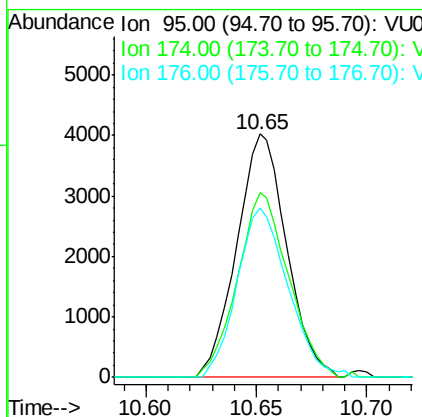
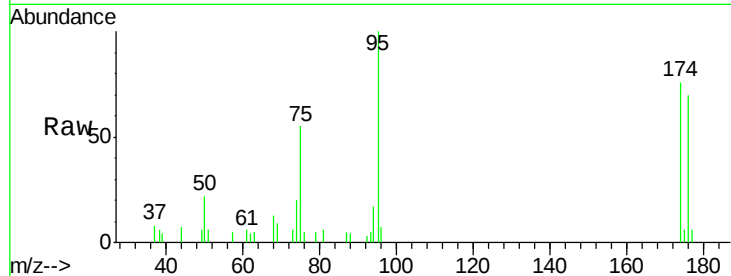


#57
4-Bromofluorobenzene
Concen: 1.028 ug/l
RT: 10.65 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VU037131.D
Acq: 09 Mar 2020 13:25

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

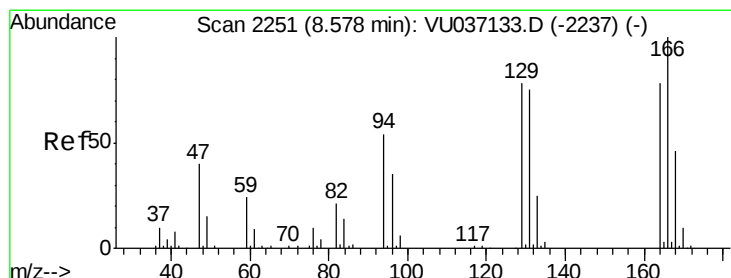
Tot Ion	Ratio	Lower	Upper
95	100		
174	77.8	64.7	97.1
176	71.2	60.6	91.0

Manual Integrations
APPROVED



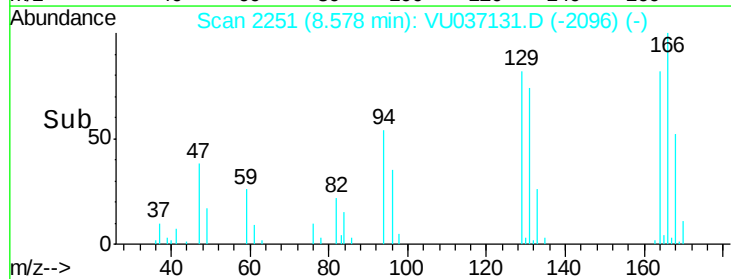
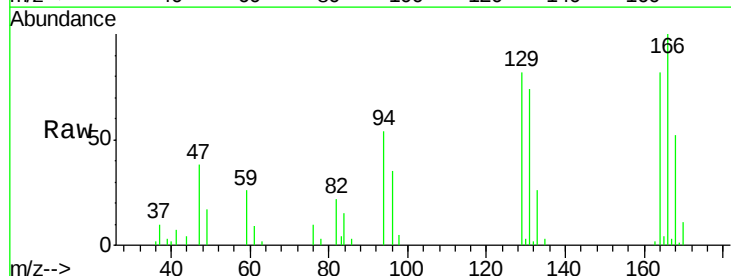
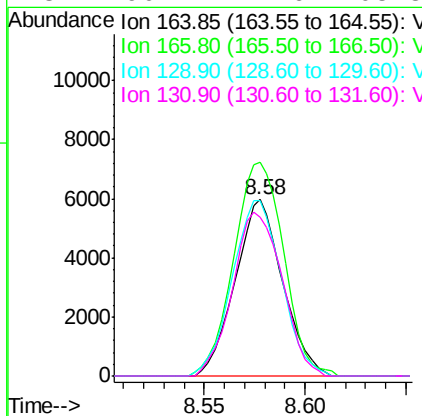
sam

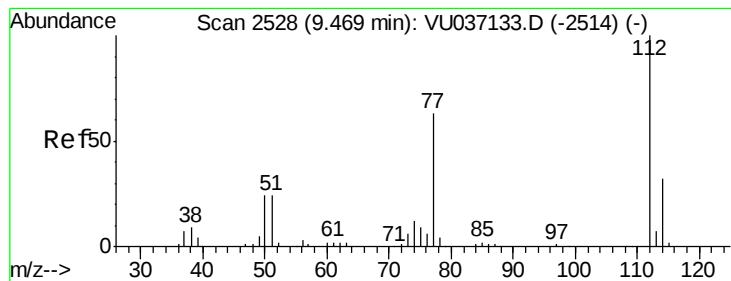
3/10/2020 3:06:27 PM



#58
Tetrachloroethene
Concen: 1.971 ug/l
RT: 8.58 min Scan# 2251
Delta R.T. -0.00 min
Lab File: VU037131.D
Acq: 09 Mar 2020 13:25

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.3	102.0	153.0
129	99.7	74.9	112.3
131	90.1	72.6	108.8





#59

Chlorobenzene

Concen: 2.018 ug/l

RT: 9.47 min Scan# 2528

Delta R.T. -0.00 min

Lab File: VU037131.D

Acq: 09 Mar 2020 13:25

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

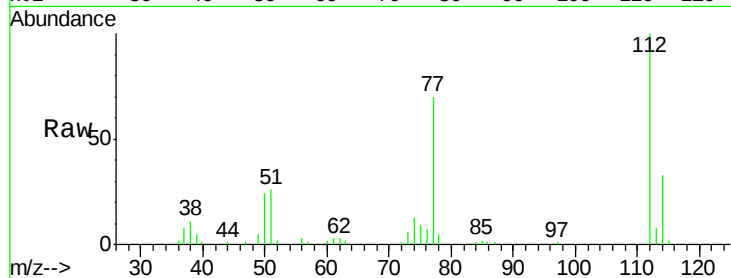
Tot Ion:112 Resp: 25865

Ion Ratio Lower Upper

112 100

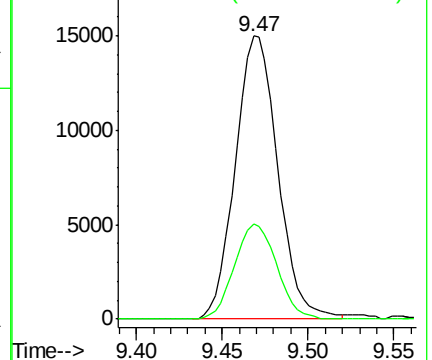
114 33.5 25.8 38.8

Manual Integrations
APPROVED



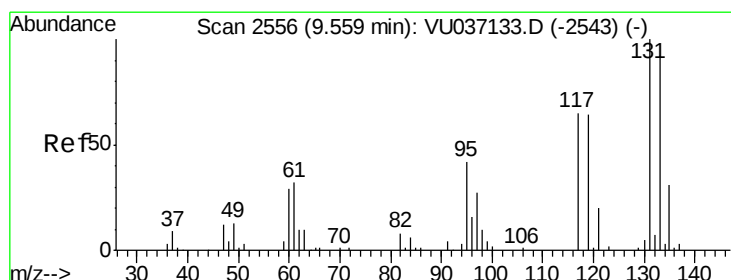
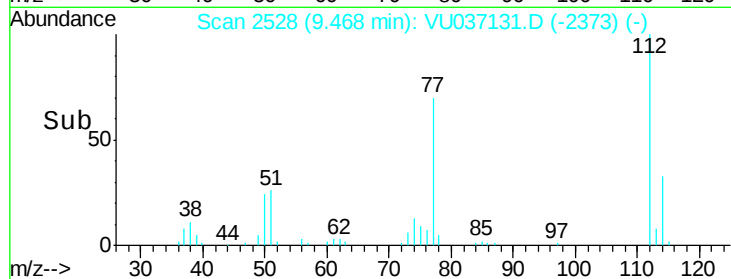
Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



sam

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#60

1,1,1,2-Tetrachloroethane

Concen: 2.358 ug/l

RT: 9.56 min Scan# 2556

Delta R.T. -0.00 min

Lab File: VU037131.D

Acq: 09 Mar 2020 13:25

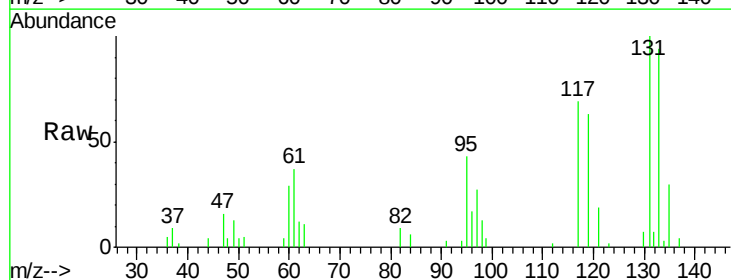
Tgt Ion:131 Resp: 9653

Ion Ratio Lower Upper

131 100

133 93.4 76.4 114.6

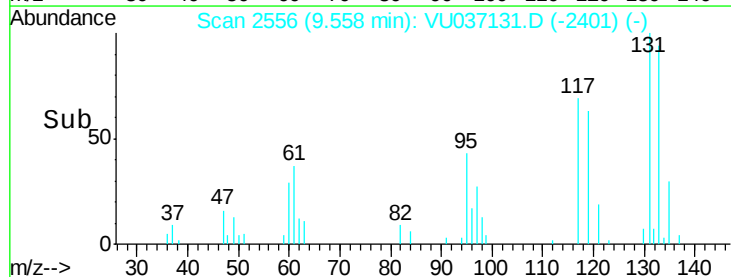
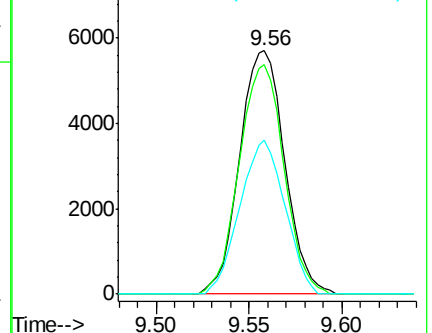
119 62.8 56.6 85.0

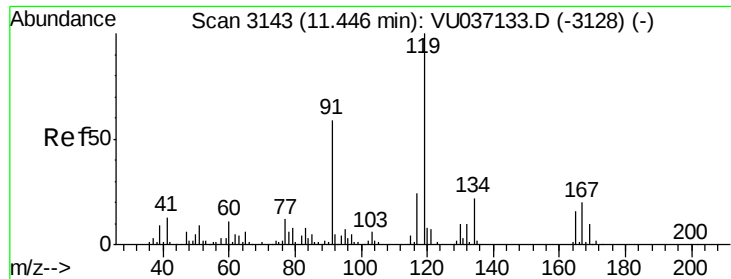


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



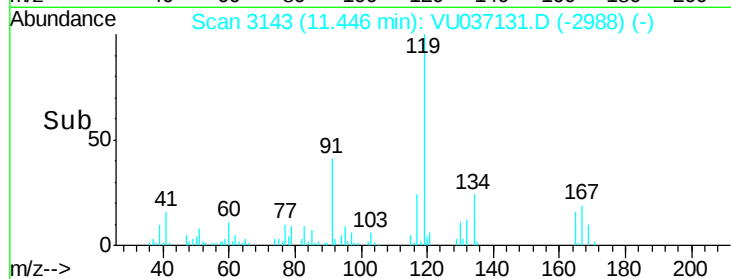
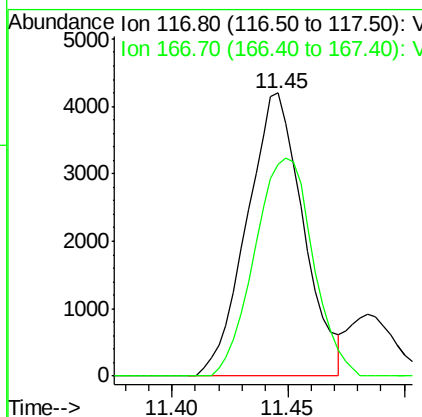
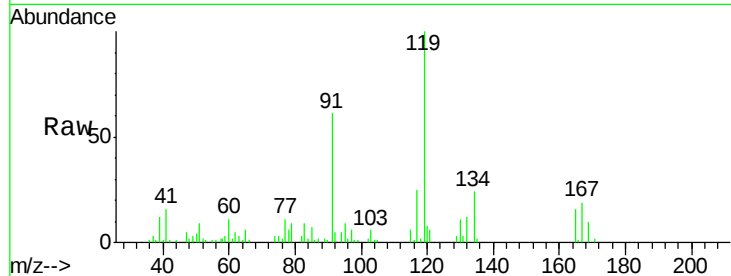


#61
 Pentachloroethane
 Concen: 2.688 ug/l
 RT: 11.45 min Scan# 3143
 Delta R.T. -0.00 min
 Lab File: VU037131.D
 Acq: 09 Mar 2020 13:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

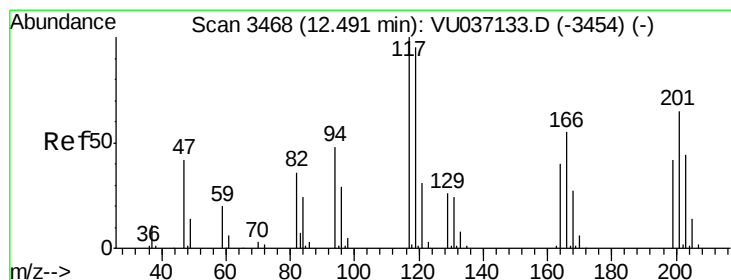
Tot Ion:117 Resp: 7098
 Ion Ratio Lower Upper
 117 100
 167 79.7 66.7 100.1

Manual Integrations
 APPROVED



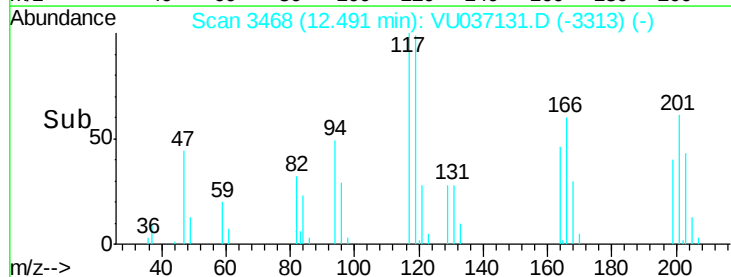
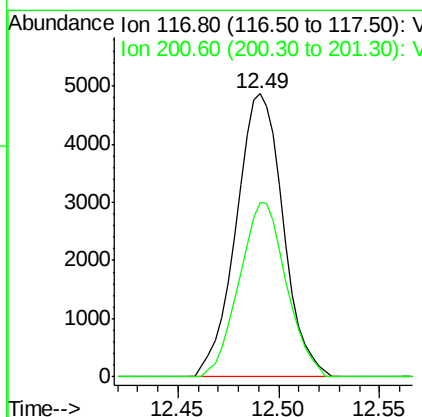
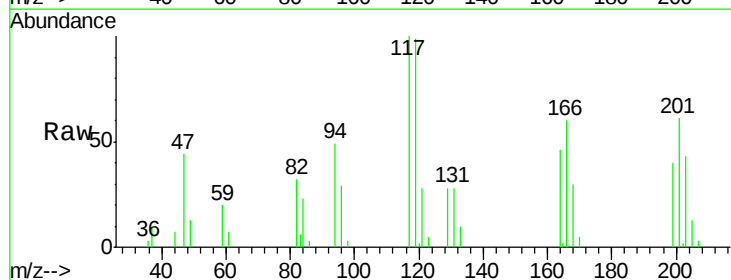
sam

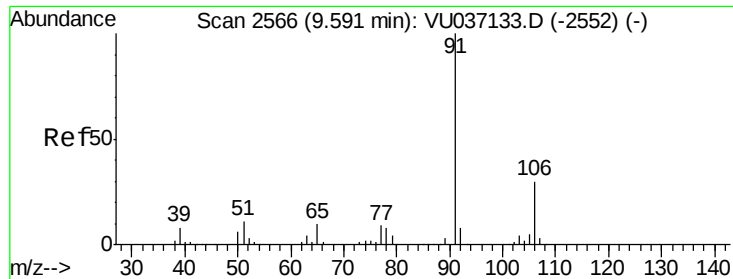
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#62
 Hexachloroethane
 Concen: 2.360 ug/l
 RT: 12.49 min Scan# 3468
 Delta R.T. -0.00 min
 Lab File: VU037131.D
 Acq: 09 Mar 2020 13:25

Tgt Ion:117 Resp: 7941
 Ion Ratio Lower Upper
 117 100
 201 61.6 65.0 97.4#



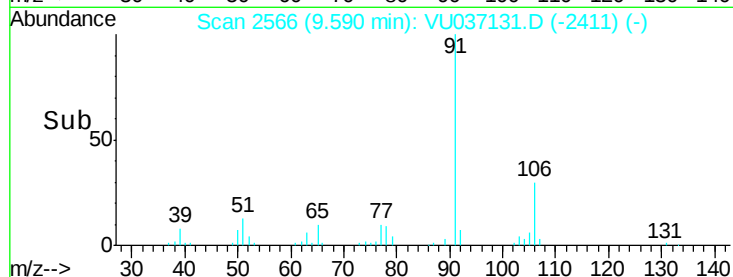
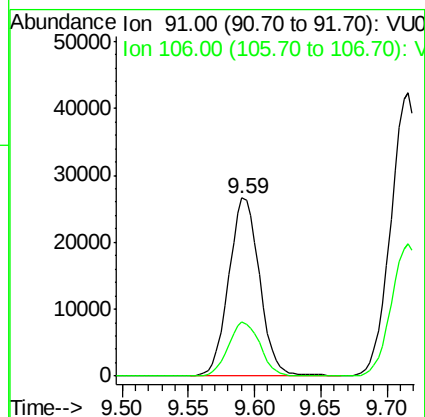
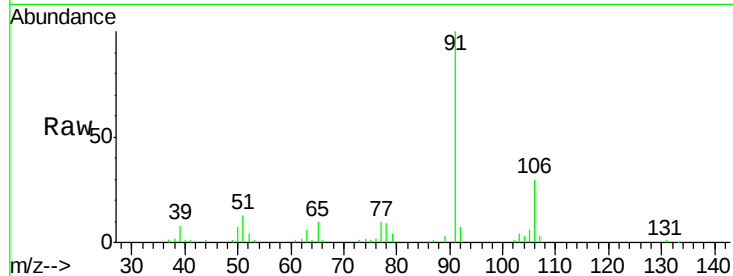


#63
Ethyl Benzene
Concen: 2.013 ug/l
RT: 9.59 min Scan# 2566
Delta R.T. -0.00 min
Lab File: VU037131.D
Acq: 09 Mar 2020 13:25

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

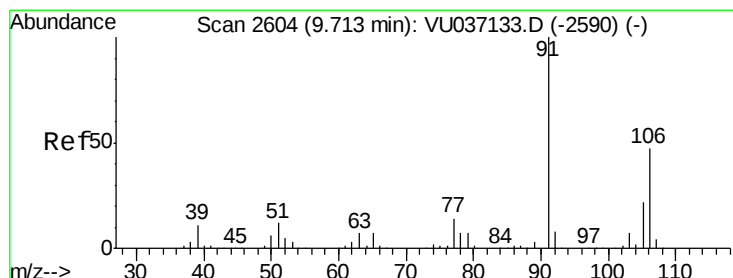
Tot Ion: 91 Resp: 43243
Ion Ratio Lower Upper
91 100
106 30.3 26.0 39.0

Manual Integrations
APPROVED



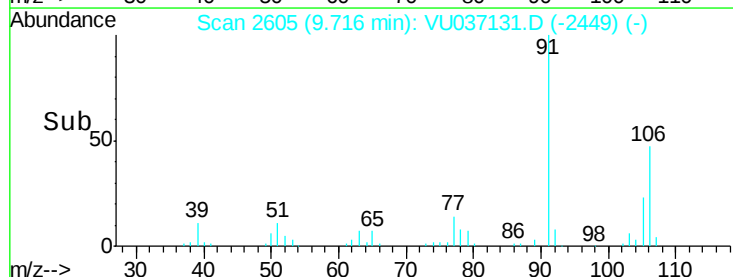
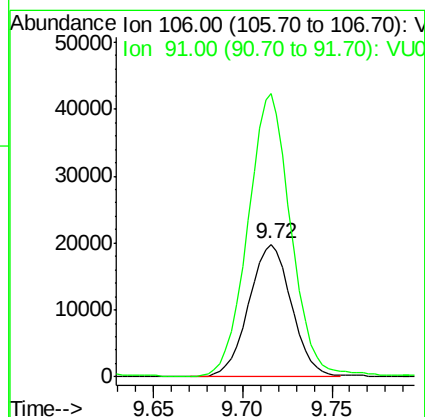
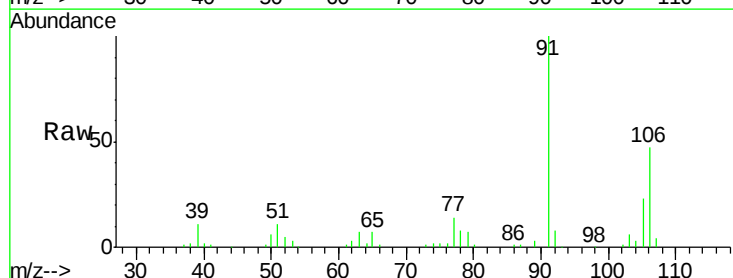
sam

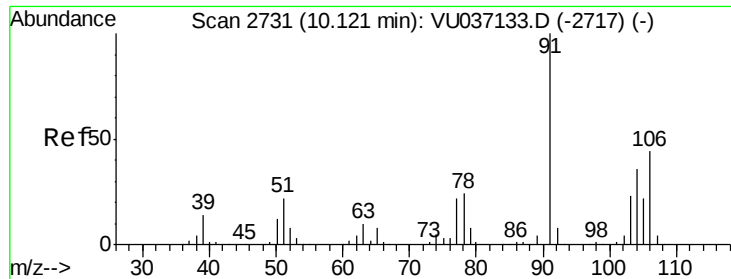
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#64
m/p-Xylenes
Concen: 3.900 ug/l
RT: 9.72 min Scan# 2605
Delta R.T. 0.00 min
Lab File: VU037131.D
Acq: 09 Mar 2020 13:25

Tgt Ion: 106 Resp: 33157
Ion Ratio Lower Upper
106 100
91 214.5 158.2 237.4



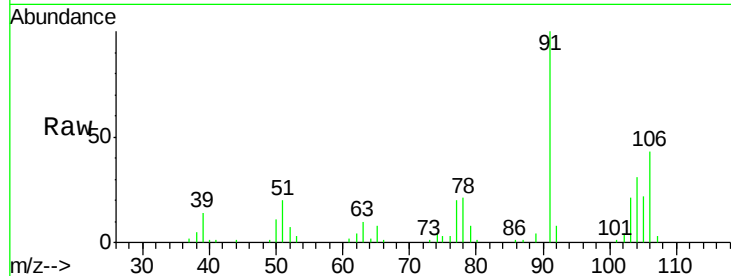


#65
o-Xylene
Concen: 1.971 ug/l
RT: 10.12 min Scan# 2731
Delta R.T. -0.00 min
Lab File: VU037131.D
Acq: 09 Mar 2020 13:25

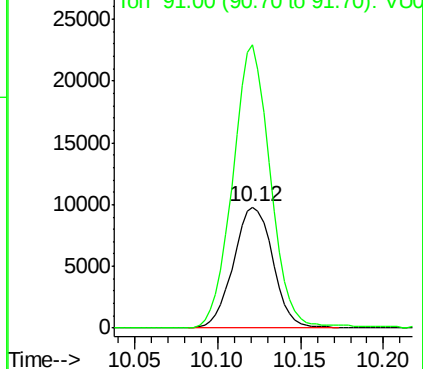
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion:106 Resp: 16229
Ion Ratio Lower Upper
106 100
91 224.5 104.3 312.9

Manual Integrations
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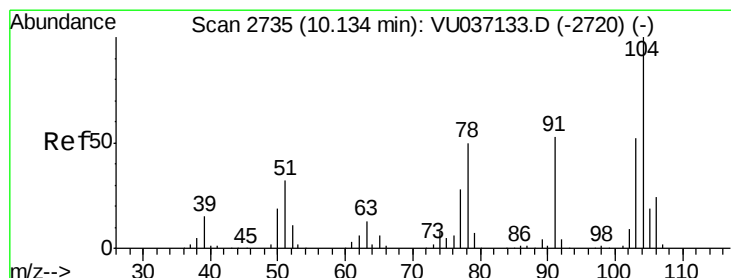
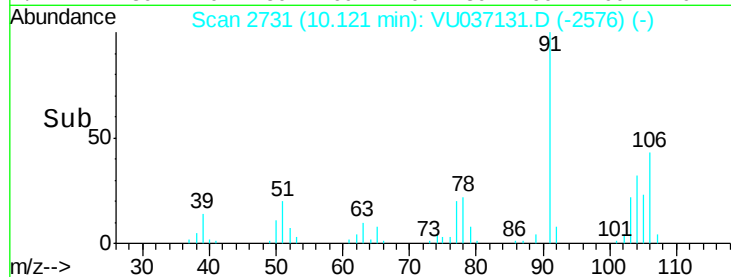


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0



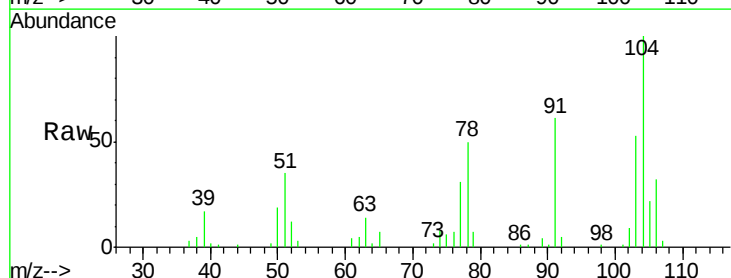
sam

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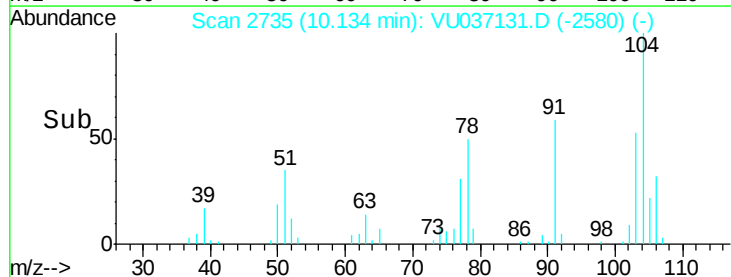
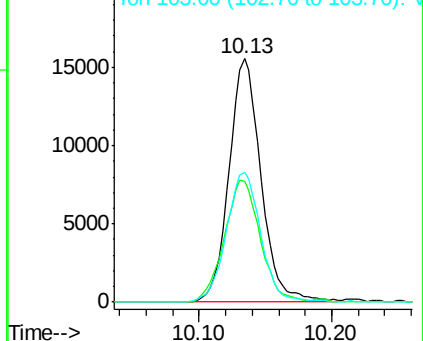


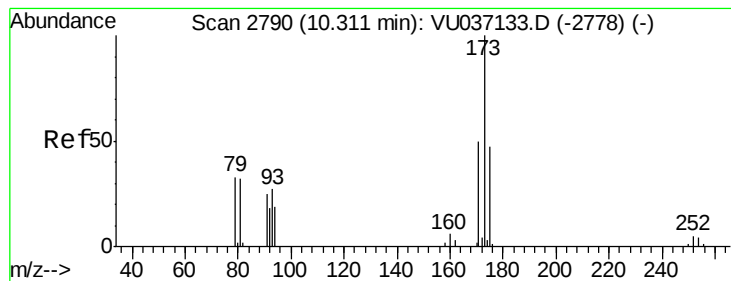
#66
Styrene
Concen: 1.895 ug/l
RT: 10.13 min Scan# 2735
Delta R.T. -0.00 min
Lab File: VU037131.D
Acq: 09 Mar 2020 13:25

Tgt Ion:104 Resp: 26123
Ion Ratio Lower Upper
104 100
78 55.9 38.6 57.8
103 57.5 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: 2.159 ug/l

RT: 10.31 min Scan# 2790

Delta R.T. -0.00 min

Lab File: VU037131.D

Acq: 09 Mar 2020 13:25

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion:173 Resp: 4776

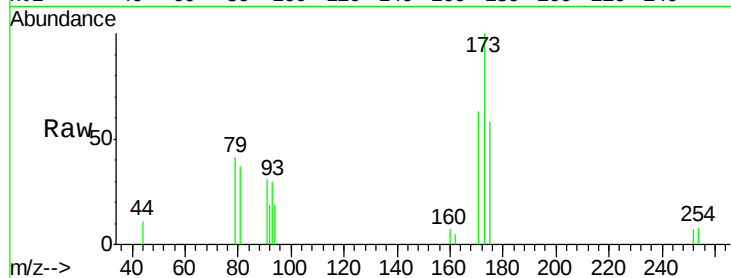
Ion Ratio Lower Upper

173 100

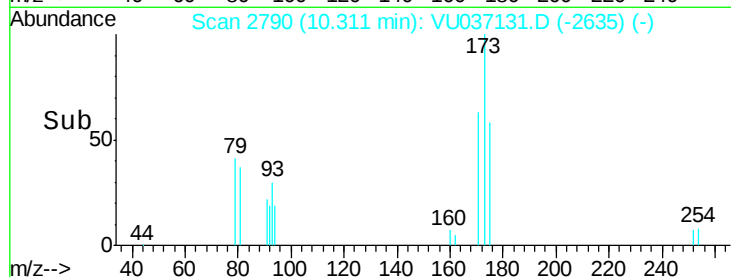
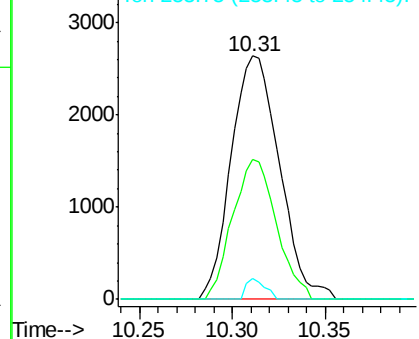
175 52.1 38.3 57.5

254 3.3 6.6 9.8#

Manual Integrations
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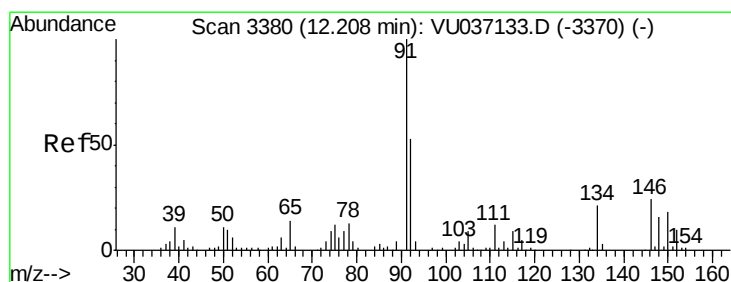


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



sam

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#68

1,2-Dichlorobenzene-d4

Concen: 1.045 ug/l

RT: 12.21 min Scan# 3381

Delta R.T. 0.00 min

Lab File: VU037131.D

Acq: 09 Mar 2020 13:25

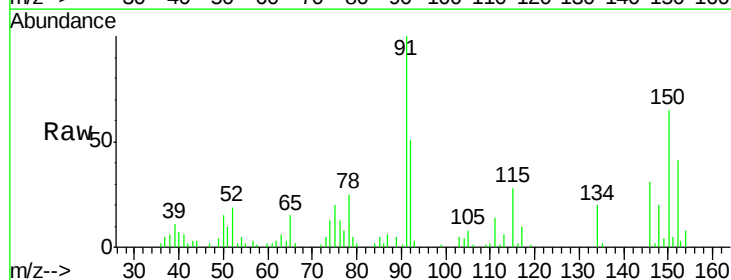
Tgt Ion:152 Resp: 6571

Ion Ratio Lower Upper

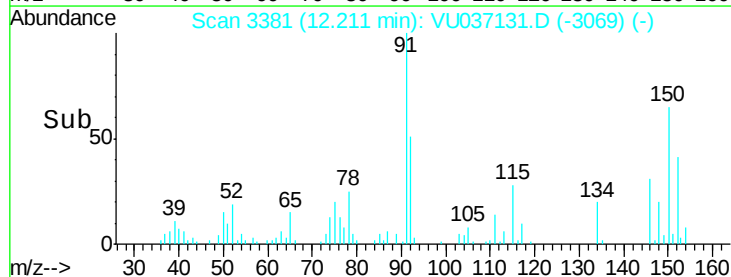
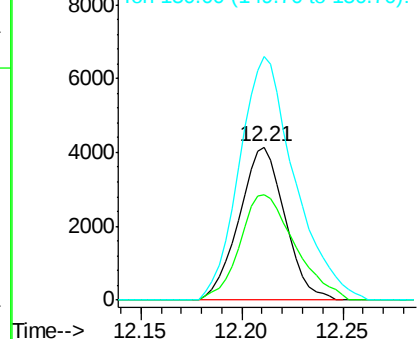
152 100

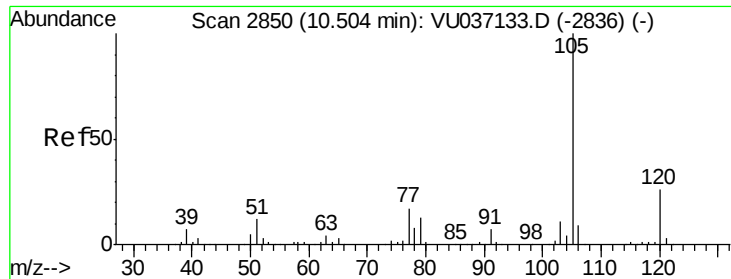
115 82.8 0.0 241.8

150 192.2 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



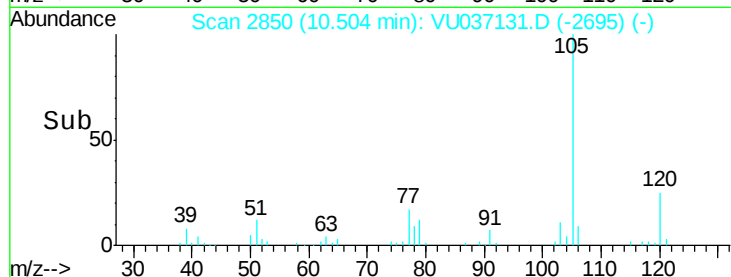
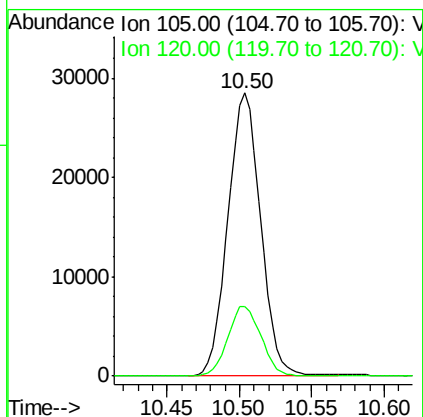
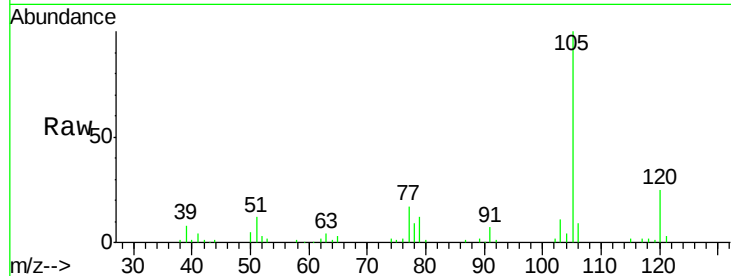


#69
Isopropylbenzene
Concen: 2.070 ug/l
RT: 10.50 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VU037131.D
Acq: 09 Mar 2020 13:25

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

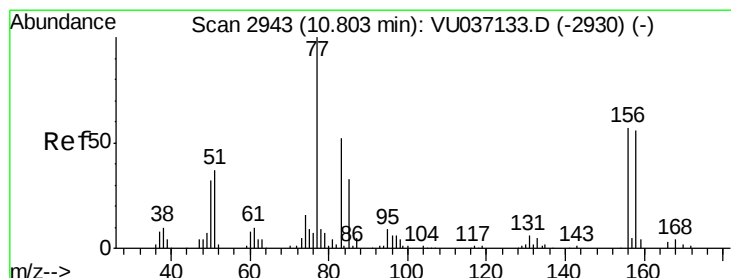
Tot Ion	Ratio	Lower	Upper
105	100		
120	24.8	13.6	40.7

Manual Integrations
APPROVED



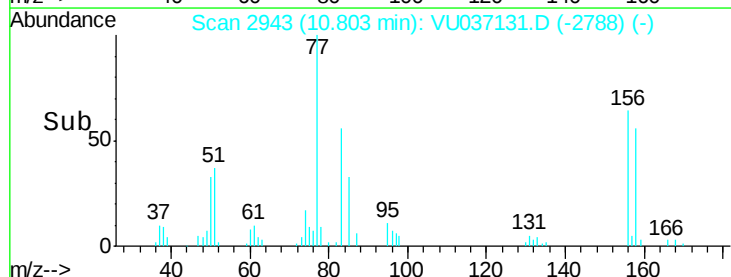
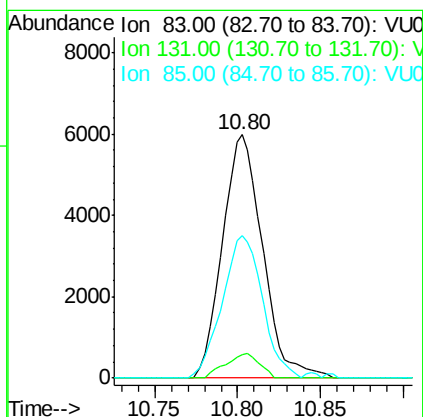
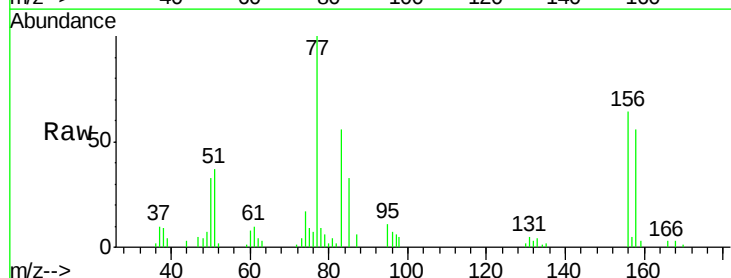
sam

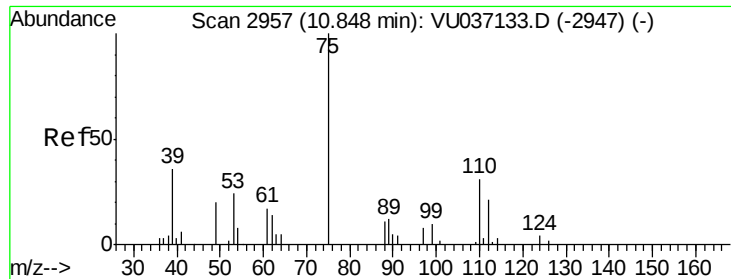
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#70
1,1,2,2-Tetrachloroethane
Concen: 2.373 ug/l
RT: 10.80 min Scan# 2943
Delta R.T. -0.00 min
Lab File: VU037131.D
Acq: 09 Mar 2020 13:25

Tgt Ion	Ratio	Lower	Upper
83	100		
131	8.5	7.8	11.8
85	58.5	53.2	79.8



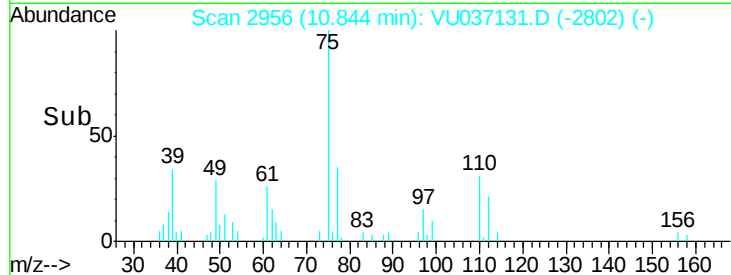
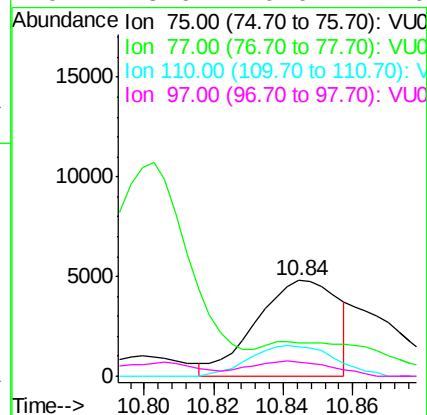
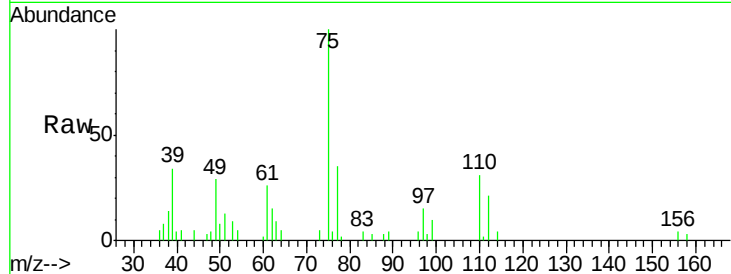


#71
 1,2,3-Trichloropropane
 Concen: 2.607 ug/l m
 RT: 10.84 min Scan# 2956
 Delta R.T. -0.00 min
 Lab File: VU037131.D
 Acq: 09 Mar 2020 13:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

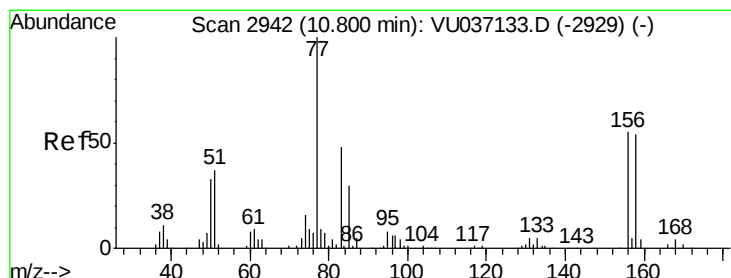
Tot Ion:	75	Resp:	7876
Ion	Ratio	Lower	Upper
75	100		
77	52.6	0.0	129.6
110	32.8	0.0	77.4
97	15.9	0.0	42.0

Manual Integrations
 APPROVED



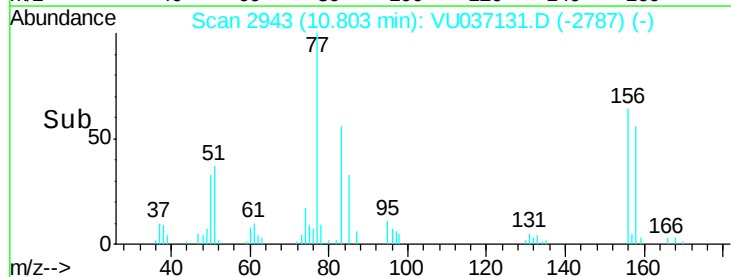
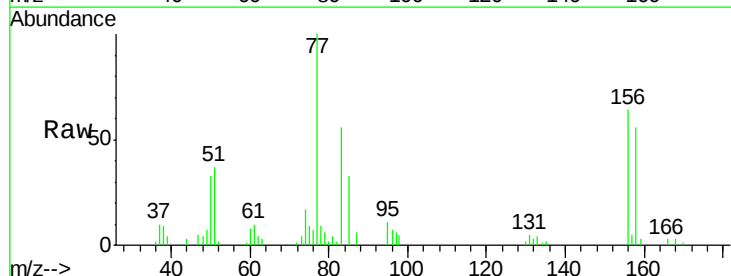
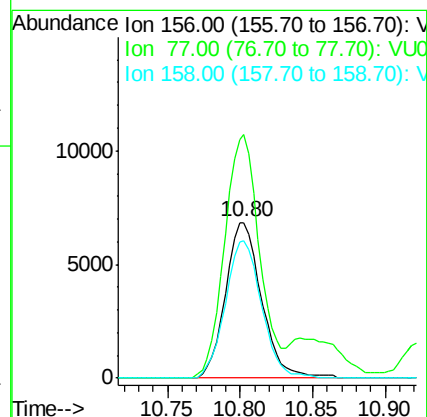
sam

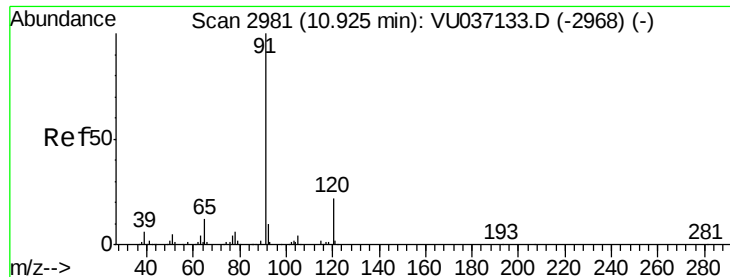
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#72
 Bromobenzene
 Concen: 2.278 ug/l
 RT: 10.80 min Scan# 2943
 Delta R.T. 0.00 min
 Lab File: VU037131.D
 Acq: 09 Mar 2020 13:25

Tgt Ion:	156	Resp:	11870
Ion	Ratio	Lower	Upper
156	100		
77	150.3	0.0	306.6
158	88.2	0.0	192.0





#73

n-propylbenzene

Concen: 1.926 ug/l

RT: 10.92 min Scan# 2981

Delta R.T. -0.00 min

Lab File: VU037131.D

Acq: 09 Mar 2020 13:25

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

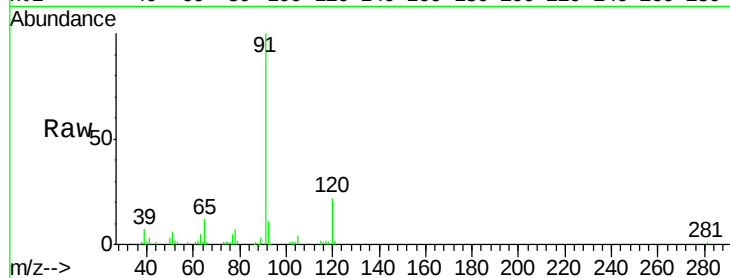
Tot Ion:120 Resp: 11689

Ion Ratio Lower Upper

120 100

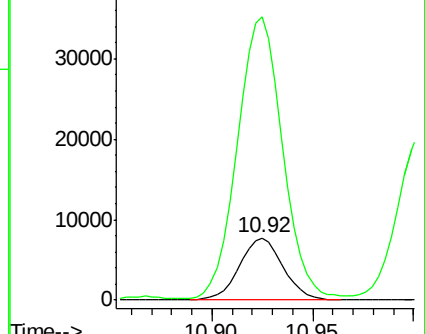
91 470.4 329.5 494.3

Manual Integrations
APPROVED



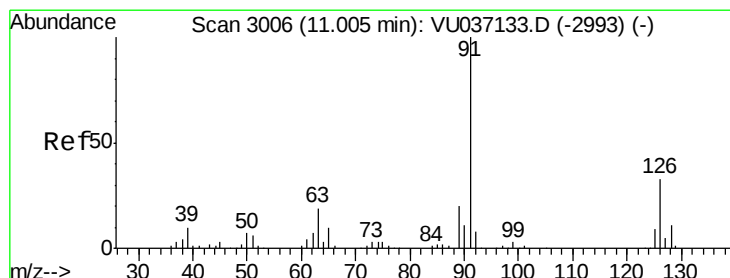
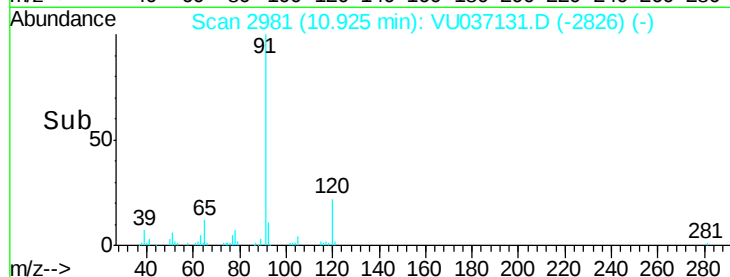
Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



sam

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#74

2-Chlorotoluene

Concen: 2.102 ug/l

RT: 11.00 min Scan# 3005

Delta R.T. -0.00 min

Lab File: VU037131.D

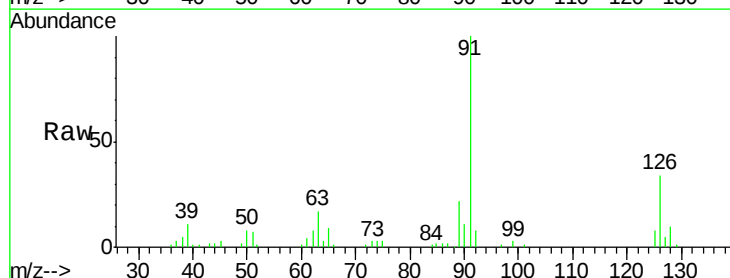
Acq: 09 Mar 2020 13:25

Tgt Ion:126 Resp: 10956

Ion Ratio Lower Upper

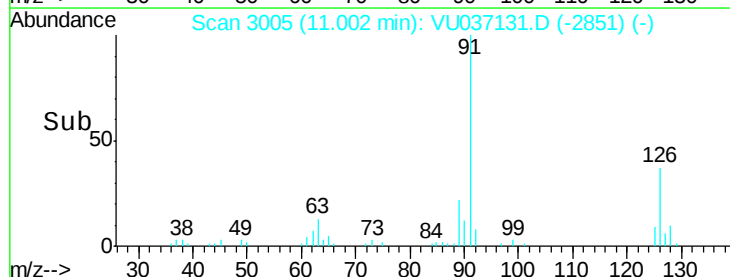
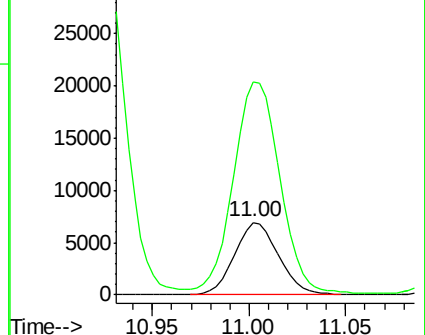
126 100

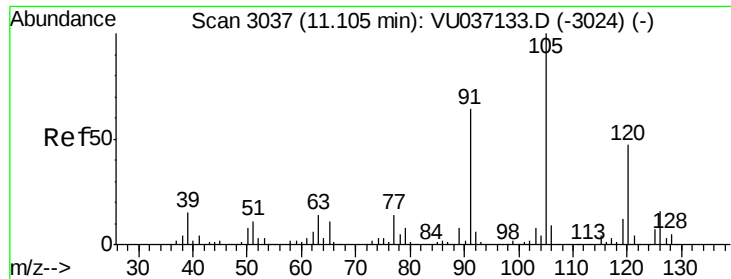
91 311.0 0.0 567.4



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: 2.042 ug/l

RT: 11.10 min Scan# 3037

Delta R.T. -0.00 min

Lab File: VU037131.D

Acq: 09 Mar 2020 13:25

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

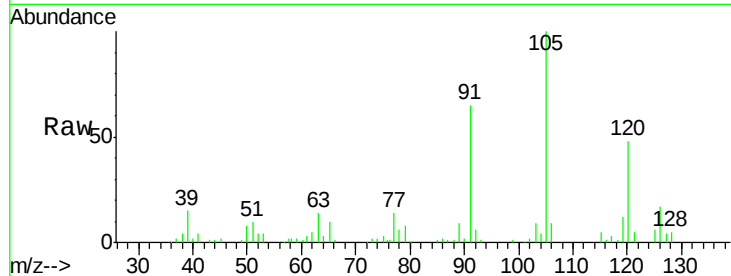
Tot Ion:105 Resp: 37885

Ion Ratio Lower Upper

105 100

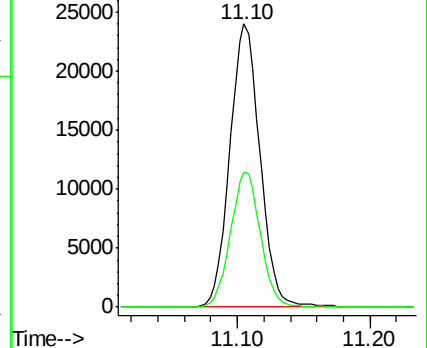
120 47.1 39.8 59.8

Manual Integrations
APPROVED



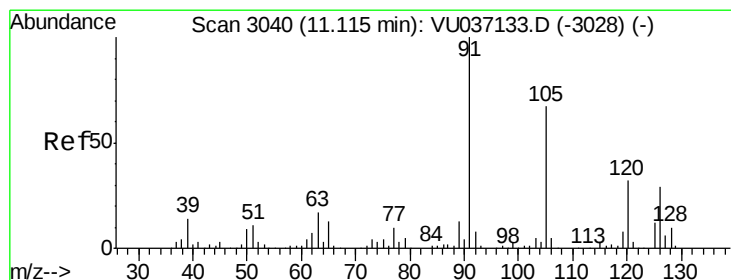
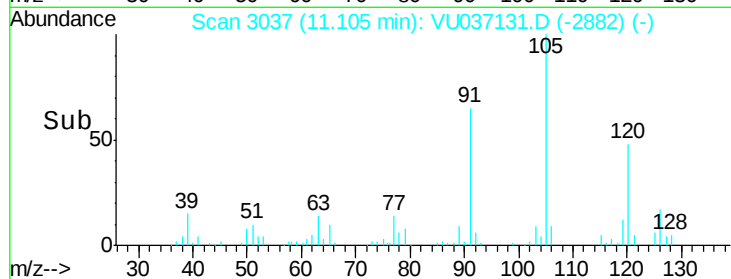
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



sam

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#76

4-Chlorotoluene

Concen: 2.072 ug/l

RT: 11.12 min Scan# 3041

Delta R.T. 0.00 min

Lab File: VU037131.D

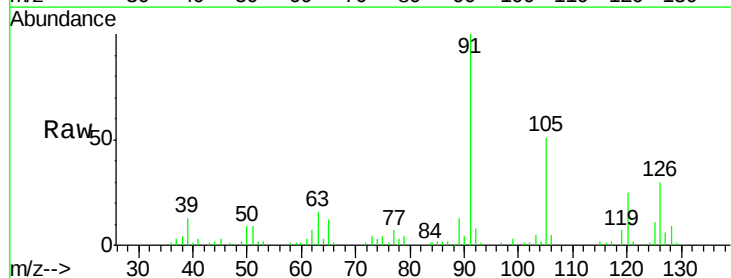
Acq: 09 Mar 2020 13:25

Tgt Ion:126 Resp: 11157

Ion Ratio Lower Upper

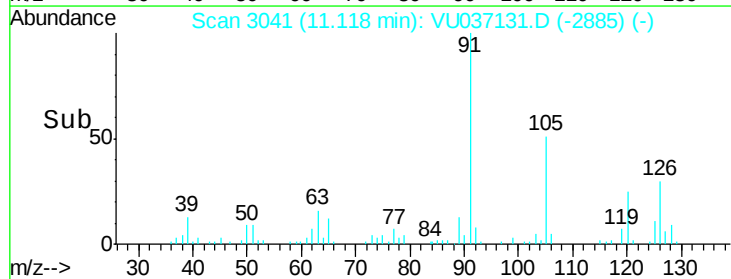
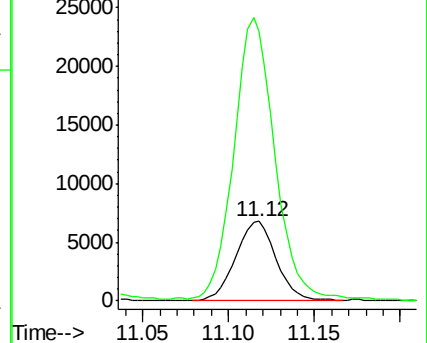
126 100

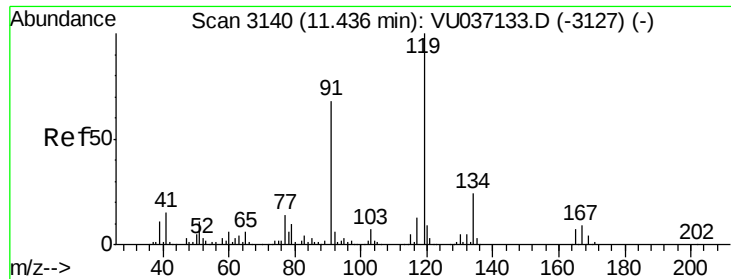
91 365.2 0.0 633.0



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#77

tert-Butylbenzene

Concen: 2.120 ug/l

RT: 11.44 min Scan# 3140

Delta R.T. -0.00 min

Lab File: VU037131.D

Acq: 09 Mar 2020 13:25

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion:119 Resp: 37268

Ion Ratio Lower Upper

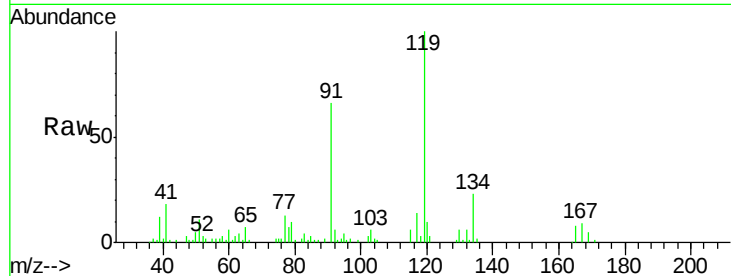
119 100

91 63.4 29.3 87.8

134 22.9 19.0 28.4

Manual Integrations

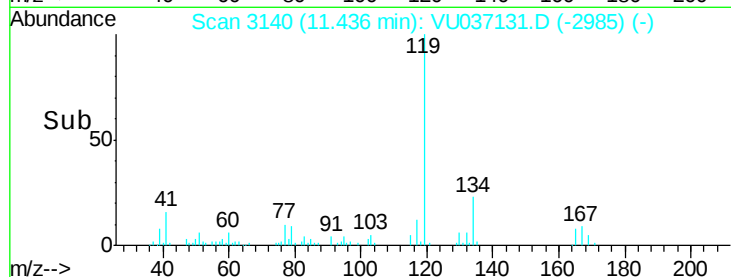
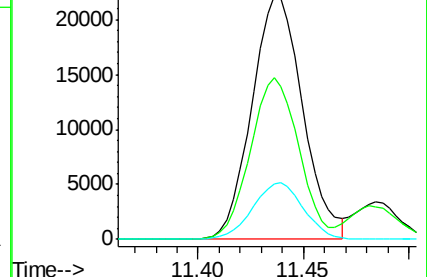
APPROVED



Abundance Ion 119.00 (118.70 to 119.70): V

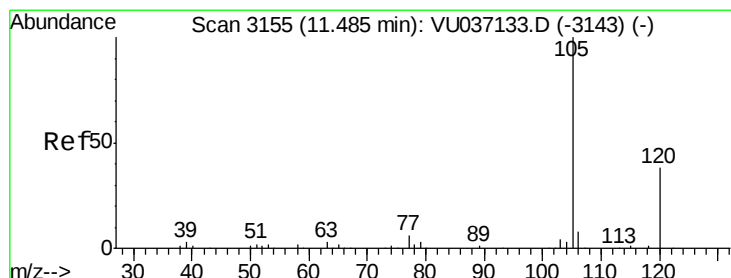
Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



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#78

1,2,4-Trimethylbenzene

Concen: 1.992 ug/l

RT: 11.48 min Scan# 3155

Delta R.T. -0.00 min

Lab File: VU037131.D

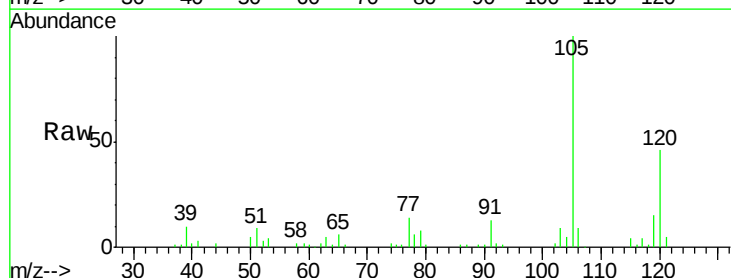
Acq: 09 Mar 2020 13:25

Tgt Ion:105 Resp: 38089

Ion Ratio Lower Upper

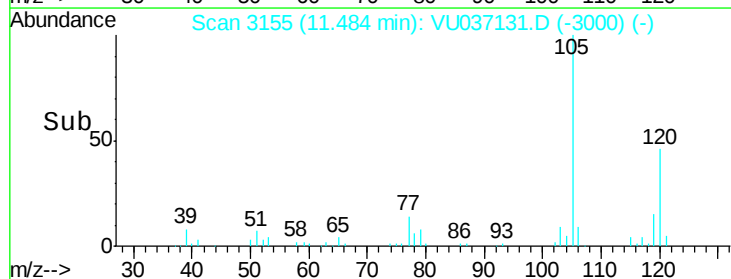
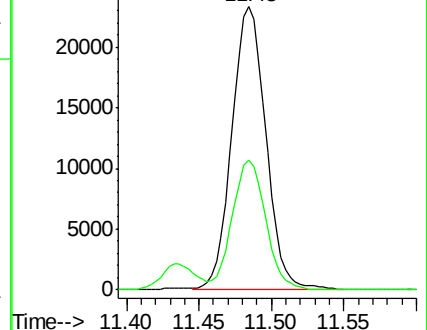
105 100

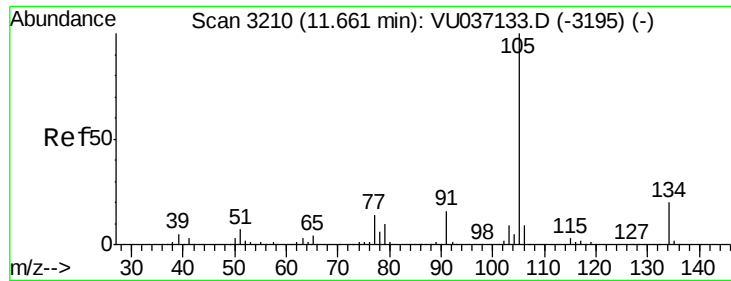
120 45.2 23.3 69.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#79

sec-Butylbenzene

Concen: 2.110 ug/l

RT: 11.66 min Scan# 3210

Delta R.T. -0.00 min

Lab File: VU037131.D

Acq: 09 Mar 2020 13:25

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

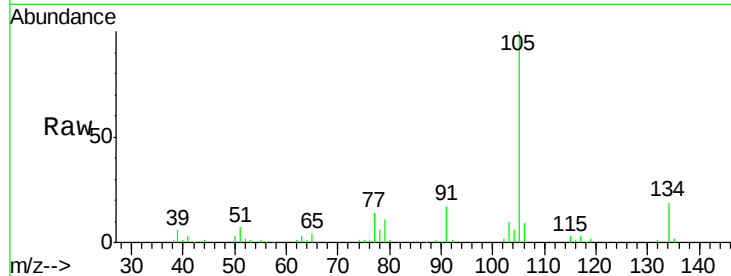
Tot Ion: 105 Resp: 51441

Ion Ratio Lower Upper

105 100

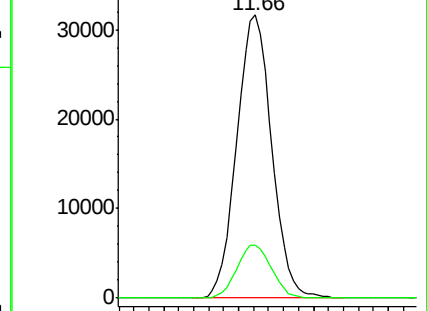
134 18.7 16.0 24.0

Manual Integrations
APPROVED

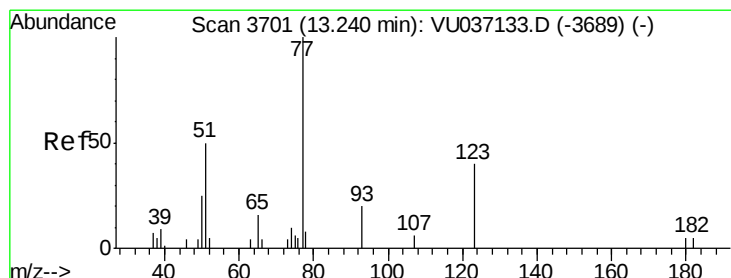
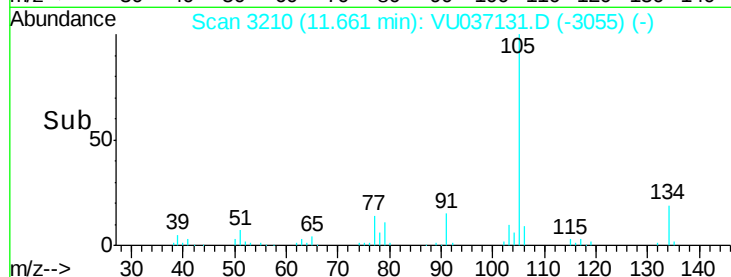


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



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#80

Nitrobenzene

Concen: 11.307 ug/l

RT: 13.24 min Scan# 3702

Delta R.T. 0.00 min

Lab File: VU037131.D

Acq: 09 Mar 2020 13:25

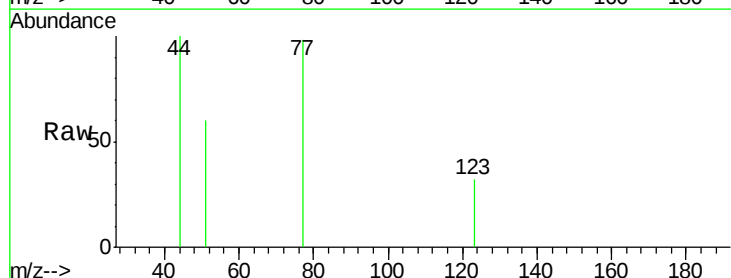
Tgt Ion: 77 Resp: 687

Ion Ratio Lower Upper

77 100

123 22.6 19.6 69.6

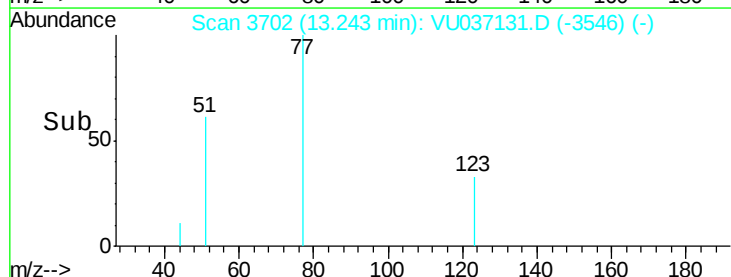
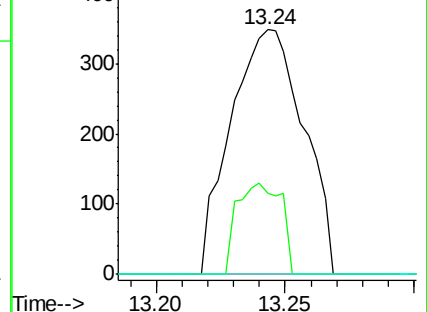
65 0.0 12.7 16.1#

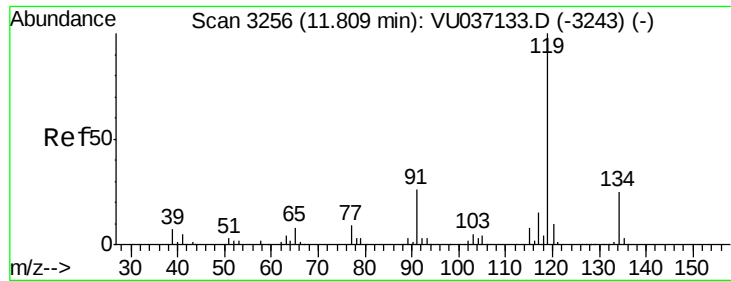


Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0



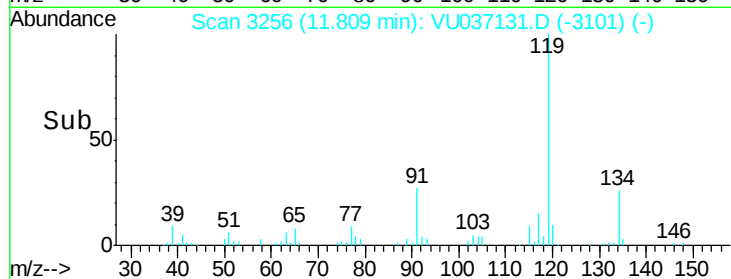
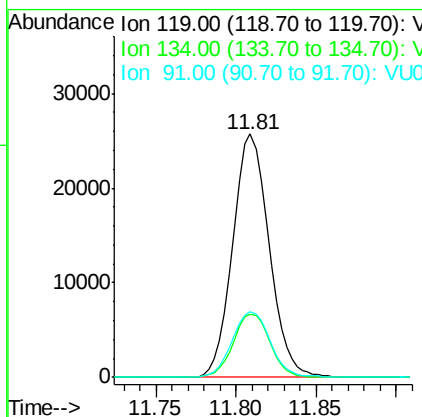
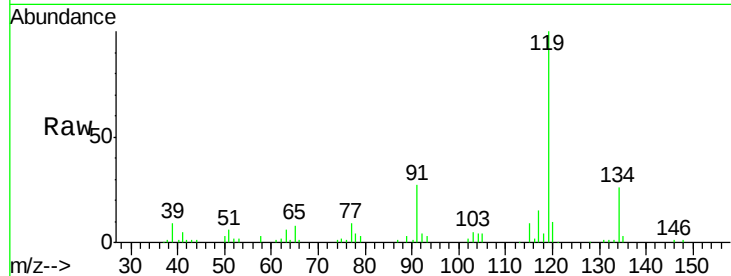


#81
 p-Isopropyltoluene
 Concen: 1.954 ug/l
 RT: 11.81 min Scan# 3256
 Delta R.T. -0.00 min
 Lab File: VU037131.D
 Acq: 09 Mar 2020 13:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

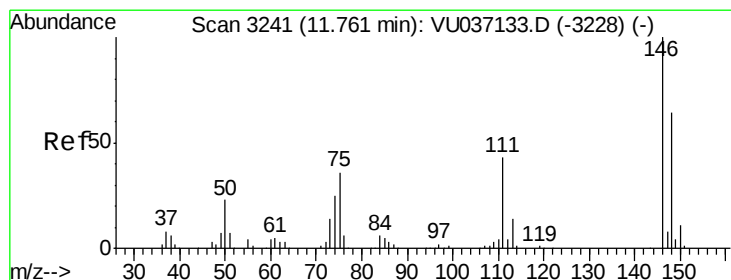
Tot Ion	Ratio	Lower	Upper
119	100		
134	26.1	21.4	32.0
91	28.1	18.3	27.5

Manual Integrations
 APPROVED



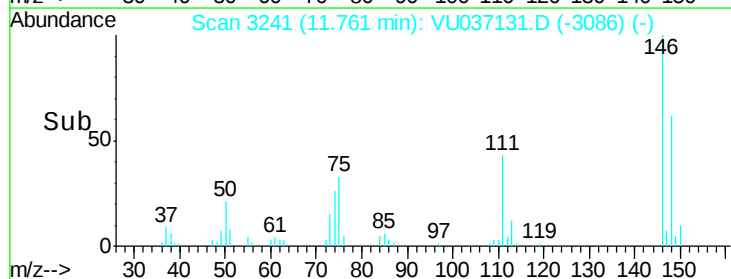
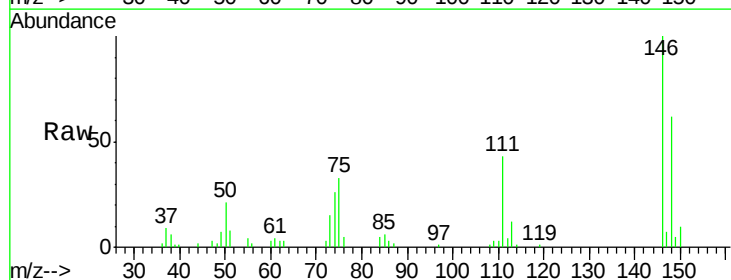
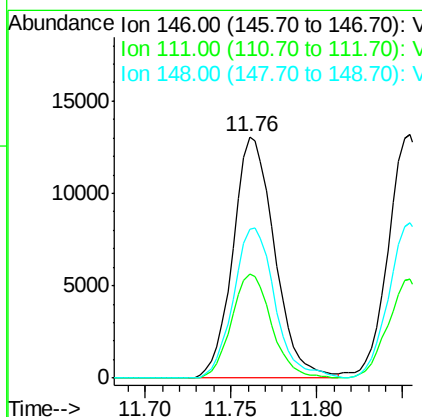
sam

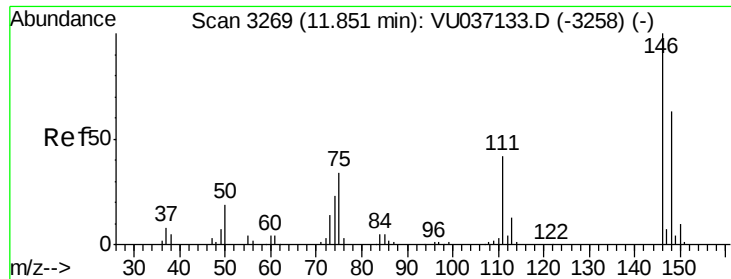
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#82
 1,3-Dichlorobenzene
 Concen: 2.114 ug/l
 RT: 11.76 min Scan# 3241
 Delta R.T. -0.00 min
 Lab File: VU037131.D
 Acq: 09 Mar 2020 13:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.3	32.2	48.2
148	62.0	51.4	77.2



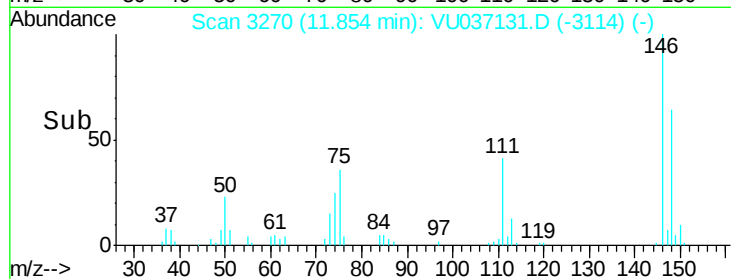
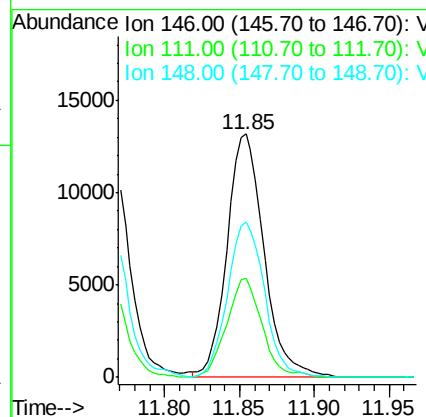
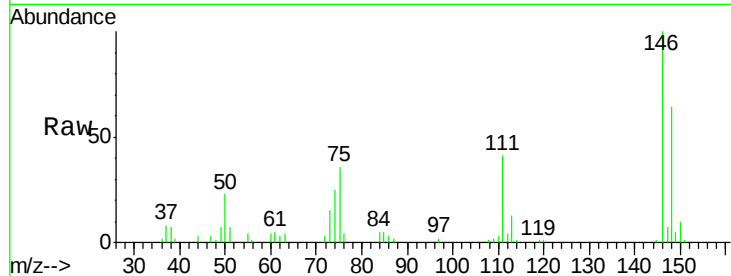


#83
 1,4-Dichlorobenzene
 Concen: 2.175 ug/l
 RT: 11.85 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU037131.D
 Acq: 09 Mar 2020 13:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

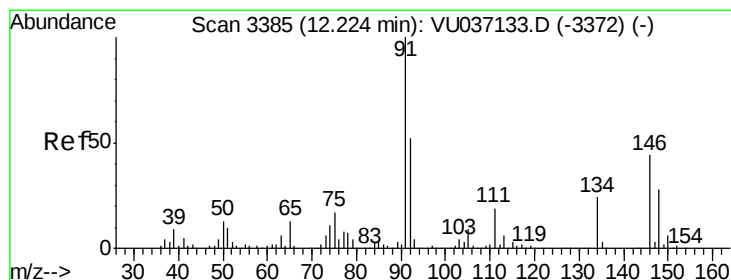
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	30.5	45.7
148	63.8	51.0	76.4

Manual Integrations
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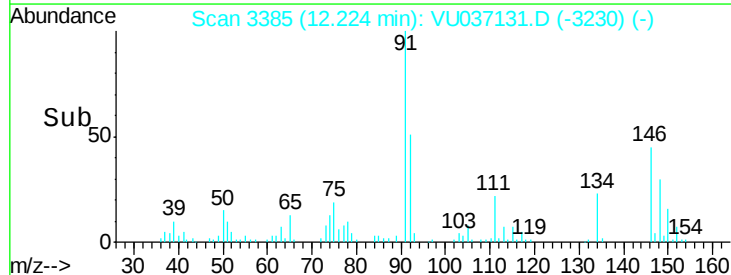
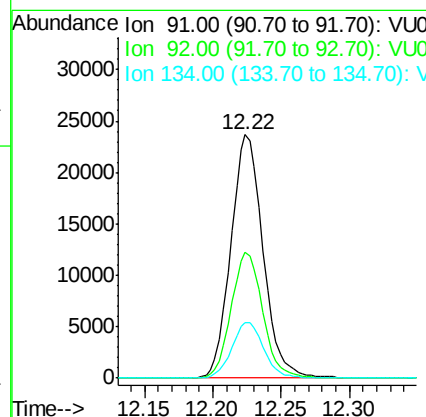
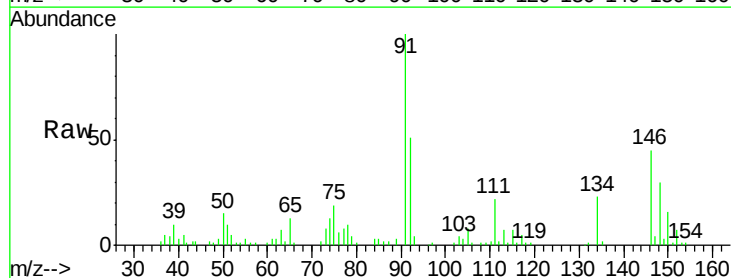
sam

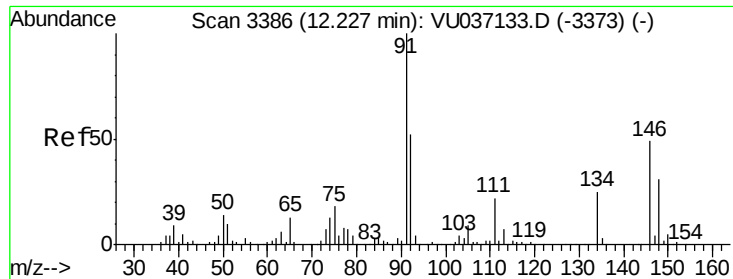
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#84
 n-Butylbenzene
 Concen: 2.054 ug/l
 RT: 12.22 min Scan# 3385
 Delta R.T. -0.00 min
 Lab File: VU037131.D
 Acq: 09 Mar 2020 13:25

Tgt Ion	Ratio	Lower	Upper
91	100		
92	50.7	42.9	64.3
134	22.6	21.4	32.0



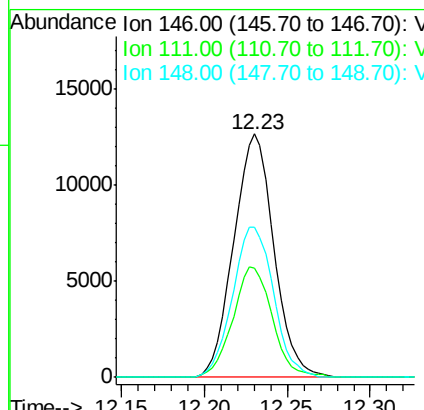
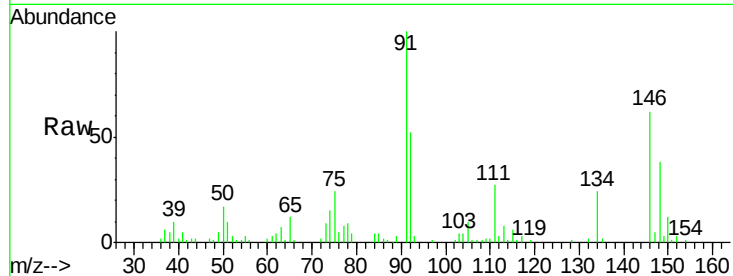


#85
 1,2-Dichlorobenzene
 Concen: 2.134 ug/l
 RT: 12.23 min Scan# 3387
 Delta R.T. 0.00 min
 Lab File: VU037131.D
 Acq: 09 Mar 2020 13:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

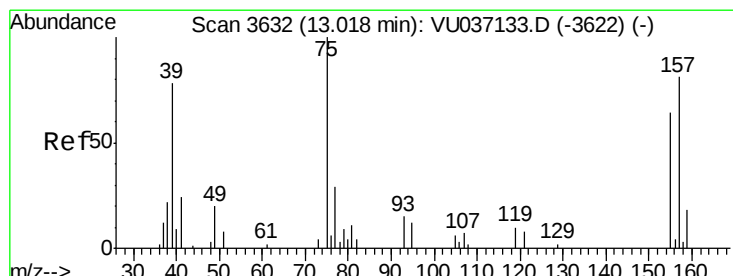
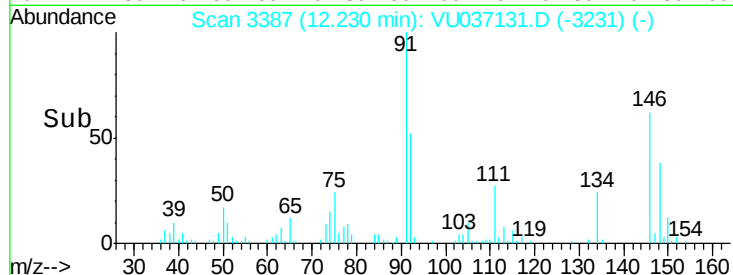
Tot Ion	Ratio	Lower	Upper
146	100		
111	44.6	20.8	62.4
148	62.8	32.0	96.2

Manual Integrations
 APPROVED



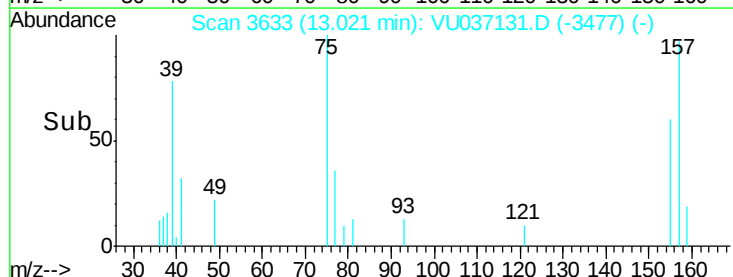
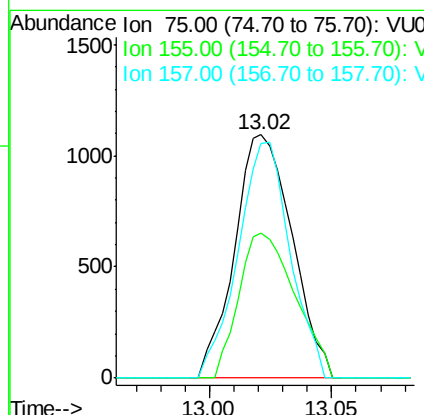
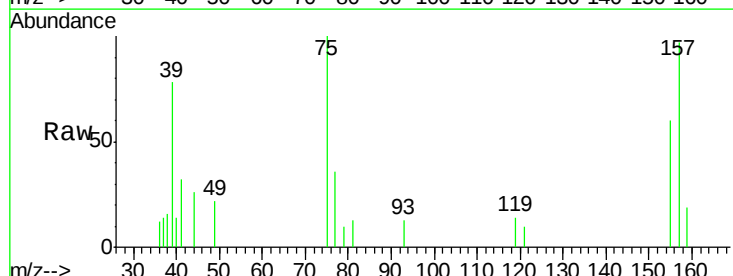
sam

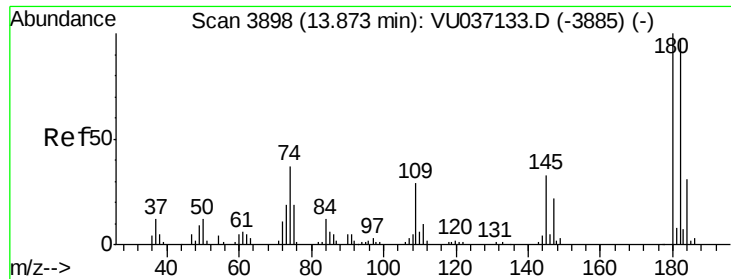
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#86
 1,2-Dibromo-3-Chloropropane
 Concen: 2.495 ug/l
 RT: 13.02 min Scan# 3633
 Delta R.T. 0.00 min
 Lab File: VU037131.D
 Acq: 09 Mar 2020 13:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	58.4	71.8	107.8#
157	87.9	92.4	138.6#



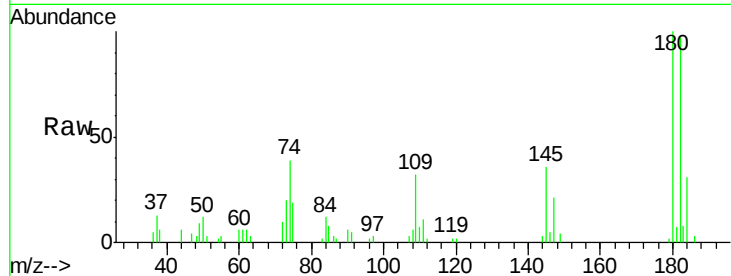


#87
 1,2,4-Trichlorobenzene
 Concen: 1.566 ug/l
 RT: 13.87 min Scan# 3898
 Delta R.T. -0.00 min
 Lab File: VU037131.D
 Acq: 09 Mar 2020 13:25

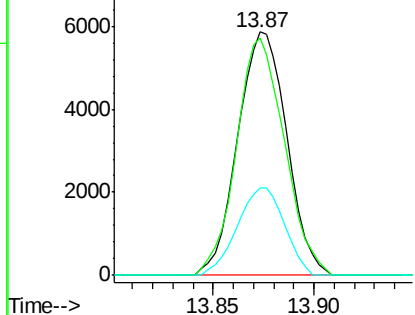
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	75.9	113.9
145	34.5	23.4	35.2

Manual Integrations
 APPROVED

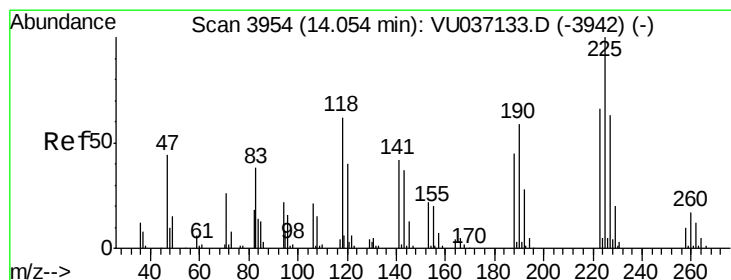
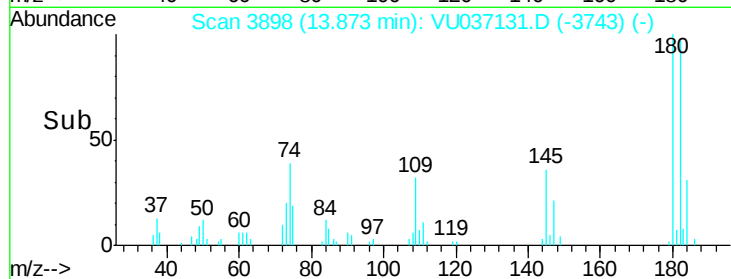


Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V



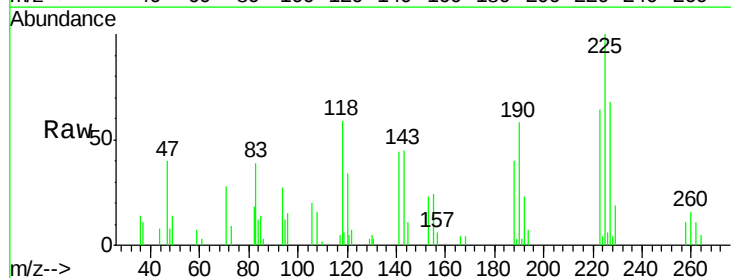
sam

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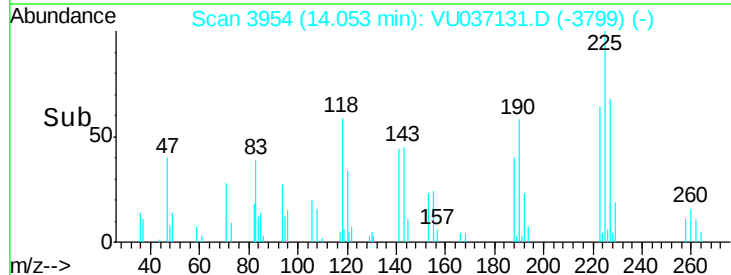
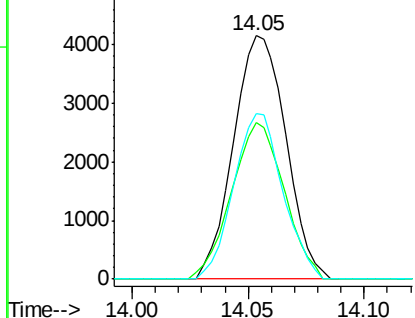


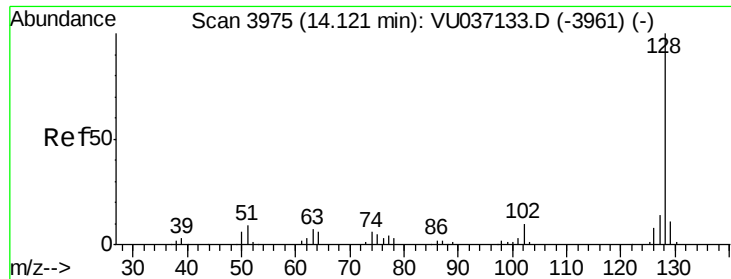
#88
 Hexachlorobutadiene
 Concen: 1.865 ug/l
 RT: 14.05 min Scan# 3954
 Delta R.T. -0.00 min
 Lab File: VU037131.D
 Acq: 09 Mar 2020 13:25

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.3	51.7	77.5
227	63.7	50.6	75.8



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



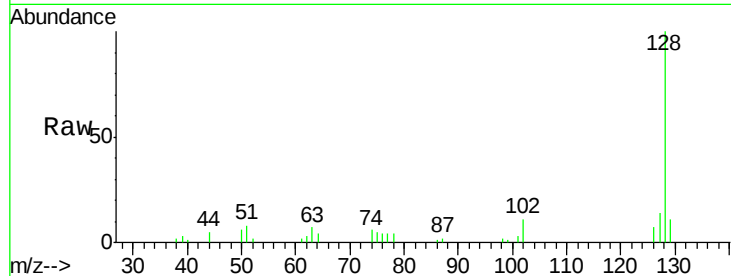


#89
Naphthalene
Concen: 1.412 ug/l
RT: 14.12 min Scan# 3976
Delta R.T. 0.00 min
Lab File: VU037131.D
Acq: 09 Mar 2020 13:25

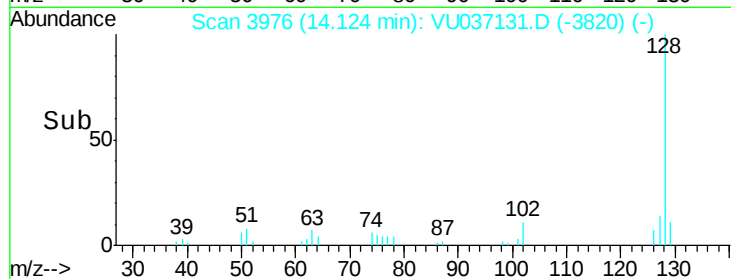
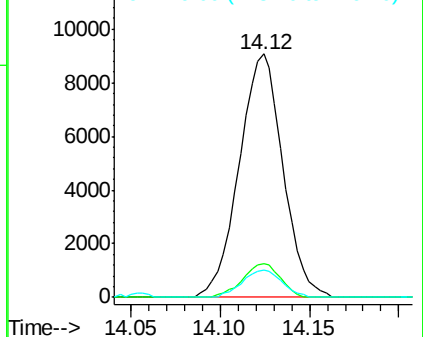
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.0	10.5	15.7
129	10.1	8.7	13.1

Manual Integrations
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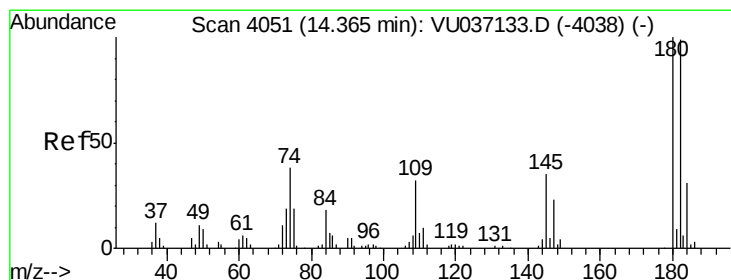


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



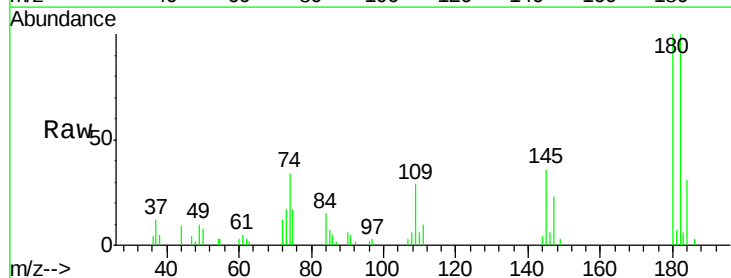
sam

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#90
1,2,3-Trichlorobenzene
Concen: 1.651 ug/l
RT: 14.37 min Scan# 4052
Delta R.T. 0.00 min
Lab File: VU037131.D
Acq: 09 Mar 2020 13:25

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.2	114.4
145	36.9	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

