

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU030920\
 Data File : VU037130.D
 Acq On : 09 Mar 2020 12:58
 Operator : JC/MD
 Sample : VSTDIC001
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

sam

3/10/2020 3:06:19 PM

Quant Time: Mar 09 15:40:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U030920DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Mar 09 15:28:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	6.15	96	15512	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.65	95	6317	1.08	ug/l	0.00
Spiked Amount 1.000			Recovery	=	108.00%	
68) 1,2-Dichlorobenzene-d4	12.21	152	6243	1.04	ug/l	0.00
Spiked Amount 1.000			Recovery	=	104.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.39	85	7561	1.475	ug/l	99
3) Chloromethane	1.54	50	7561	1.375	ug/l	94
4) Vinyl Chloride	1.62	62	6500	1.044	ug/l	99
5) Bromomethane	1.87	94	2083	0.538	ug/l	92
6) Chloroethane	1.95	64	3263	0.885	ug/l	97
7) Trichlorofluoromethane	2.16	101	8257	1.342	ug/l	94
8) 1,1,2-Trichloro-1,2,2-trif	2.61	101	3889	1.015	ug/l	96
9) 1,1-Dichloroethene	2.61	96	3517	0.862	ug/l	76
10) Iodomethane	2.75	142	970	0.222	ug/l #	68
11) Allyl Chloride	2.95	41	7186m	1.274	ug/l	
12) Acrylonitrile	3.37	53	1700m	1.699	ug/l	
13) Acetone	2.67	43	5509	6.755	ug/l #	78
14) Carbon Disulfide	2.82	76	12204	0.864	ug/l	98
15) Methylene Chloride	3.08	84	5295	0.986	ug/l	86
16) trans-1,2-Dichloroethene	3.39	96	3908	0.869	ug/l #	81
17) 1,1-Dichloroethane	3.91	63	8929	1.218	ug/l	96
18) 2-Butanone	4.78	43	7432	6.919	ug/l	98
19) Cyclohexane	5.42	56	7418m	1.107	ug/l	
20) Methylcyclohexane	6.79	83	7190	0.961	ug/l #	86
21) 2,2-Dichloropropane	4.70	77	8537	1.364	ug/l	91
22) cis-1,2-Dichloroethene	4.71	96	4962	1.063	ug/l	80
23) Diethyl Ether	2.40	59	3135	0.995	ug/l #	85
24) tert-Butyl Alcohol	3.28	59	3720m	13.210	ug/l	
25) Methyl tert-Butyl Ether	3.41	73	10816	1.012	ug/l #	62
26) Bromochloromethane	5.01	128	2165	1.071	ug/l	79
27) Chloroform	5.13	83	9902	1.365	ug/l	98
28) 1,1,1-Trichloroethane	5.36	97	8508	1.399	ug/l	97
29) 1,1-Dichloropropene	5.56	75	6198	1.044	ug/l	96
30) Carbon Tetrachloride	5.56	117	6754	1.297	ug/l	95
31) Isopropyl Ether	4.05	45	13696	1.230	ug/l	83
32) Ethyl-t-butyl ether	4.56	59	12996	1.116	ug/l	94
33) Tert-Amyl methyl ether	5.98	73	11444	1.073	ug/l	96
34) Propionitrile	4.86	54	2011	6.495	ug/l #	77
35) Benzene	5.81	78	18576	1.081	ug/l	92
36) 1,2-Dichloroethane	5.84	62	6923	1.496	ug/l #	93
37) Trichloroethene	6.57	130	5149	1.085	ug/l	89
38) 1,2-Dichloropropane	6.82	63	5214	1.207	ug/l	90
39) Methacrylonitrile	5.03	41	1734	1.333	ug/l #	76
40) Methyl acrylate	4.90	55	2593	1.257	ug/l #	81
41) Tetrahydrofuran	5.12	42	1888	2.663	ug/l #	65
42) 1-Chlorobutane	5.49	56	9460	1.230	ug/l	78

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 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.95	93	2736	1.213	ug/l	91
44) Bromodichloromethane	7.14	83	6713	1.258	ug/l	97
45) 4-Methyl-2-Pentanone	7.83	43	17516	6.893	ug/l #	85
46) t-1,4-Dichloro-2-butene	10.86	75	1405m	1.255	ug/l	
47) Methyl methacrylate	7.00	69	4208	1.904	ug/l #	66
48) Ethyl methacrylate	8.37	69	4154	0.973	ug/l	62
49) Toluene	8.00	92	10721	0.977	ug/l	96
50) t-1,3-Dichloropropene	8.24	75	6167	1.160	ug/l	92
51) cis-1,3-Dichloropropene	7.64	75	6916	1.073	ug/l #	77
52) 1,1,2-Trichloroethane	8.43	97	3703	1.157	ug/l	96
53) 1,3-Dichloropropane	8.60	76	6435	1.173	ug/l	98
54) 2-Hexanone	8.72	43	11920	6.688	ug/l	84
55) Dibromochloromethane	8.84	129	4151	1.127	ug/l	96
56) 1,2-Dibromoethane	8.95	107	3241	1.052	ug/l	99
58) Tetrachloroethene	8.58	164	4803	1.013	ug/l	96
59) Chlorobenzene	9.47	112	12580	1.029	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.56	131	4614	1.182	ug/l	92
61) Pentachloroethane	11.44	117	3488	1.385	ug/l	92
62) Hexachloroethane	12.49	117	3645	1.136	ug/l #	79
63) Ethyl Benzene	9.59	91	20204	0.986	ug/l	97
64) m/p-Xylenes	9.72	106	15154	1.869	ug/l	93
65) o-Xylene	10.12	106	7417	0.945	ug/l	92
66) Styrene	10.14	104	11398	0.867	ug/l #	92
67) Bromoform	10.31	173	2148	1.018	ug/l #	96
69) Isopropylbenzene	10.50	105	19736	0.957	ug/l	97
70) 1,1,2,2-Tetrachloroethane	10.80	83	4728	1.171	ug/l #	95
71) 1,2,3-Trichloropropane	10.85	75	4124m	1.431	ug/l	
72) Bromobenzene	10.80	156	5064	1.019	ug/l	90
73) n-propylbenzene	10.92	120	5195	0.898	ug/l	75
74) 2-Chlorotoluene	11.01	126	4726	0.951	ug/l	80
75) 1,3,5-Trimethylbenzene	11.11	105	17284	0.977	ug/l	91
76) 4-Chlorotoluene	11.12	126	4738	0.923	ug/l	75
77) tert-Butylbenzene	11.44	119	16734	0.998	ug/l	95
78) 1,2,4-Trimethylbenzene	11.48	105	16389	0.899	ug/l	95
79) sec-Butylbenzene	11.66	105	22411	0.964	ug/l	95
81) p-Isopropyltoluene	11.81	119	16980	0.874	ug/l	93
82) 1,3-Dichlorobenzene	11.76	146	9809	0.987	ug/l	98
83) 1,4-Dichlorobenzene	11.86	146	9866	0.993	ug/l	97
84) n-Butylbenzene	12.23	91	15921	0.886	ug/l	93
85) 1,2-Dichlorobenzene	12.23	146	9762	1.026	ug/l	97
86) 1,2-Dibromo-3-Chloropropan	13.02	75	795	1.163	ug/l #	67
87) 1,2,4-Trichlorobenzene	13.88	180	4125	0.678	ug/l	98
88) Hexachlorobutadiene	14.06	225	2879	0.863	ug/l	98
89) Naphthalene	14.13	128	6005	0.573	ug/l	98
90) 1,2,3-Trichlorobenzene	14.37	180	4324	0.756	ug/l	95

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

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 ALS Vial : 4 Sample Multiplier: 1

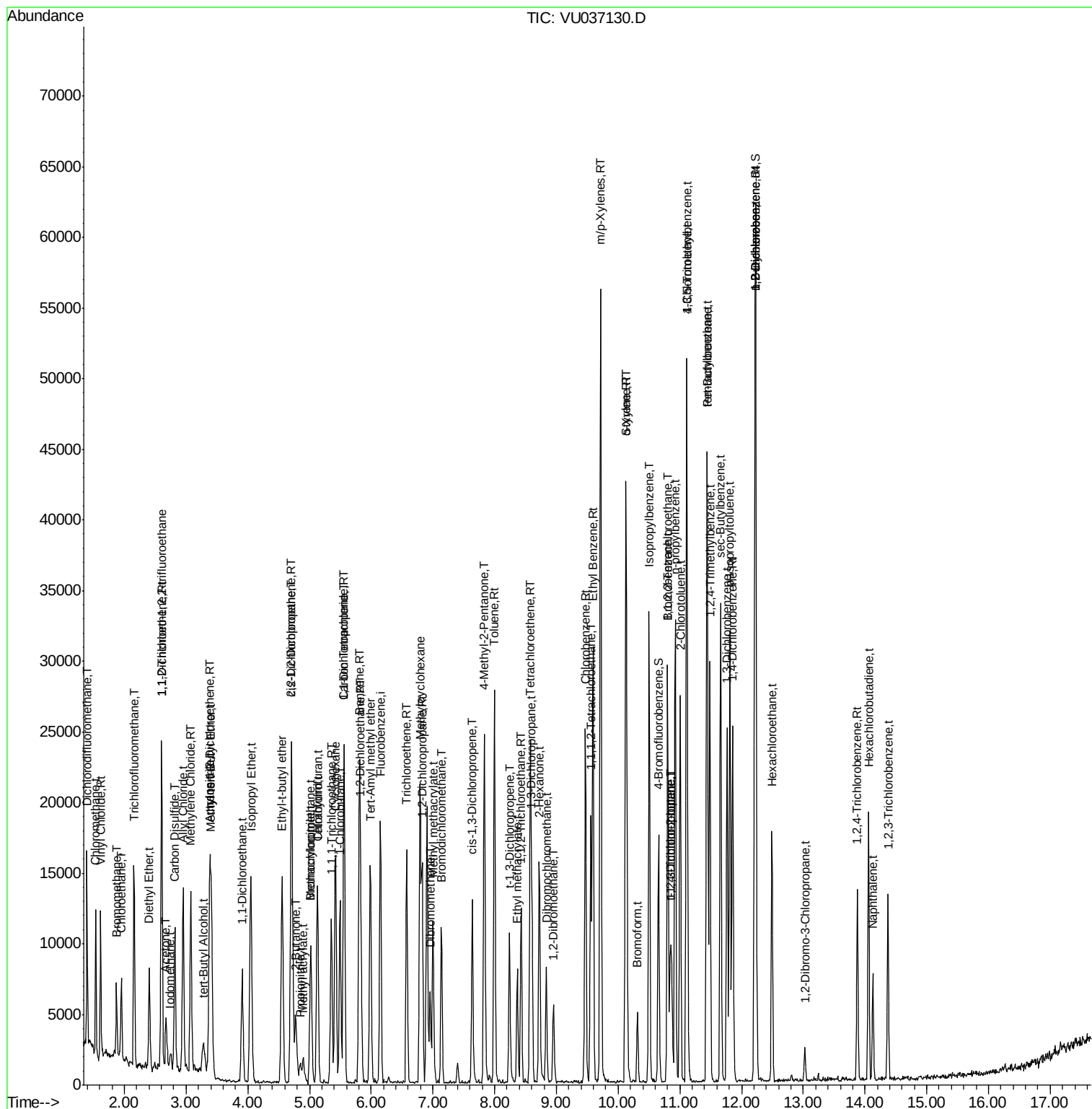
Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDIC001

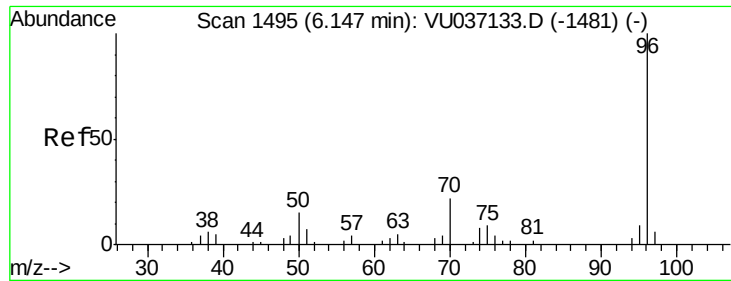
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#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.15 min Scan# 1496

Delta R.T. 0.00 min

Lab File: VU037130.D

Acq: 09 Mar 2020 12:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

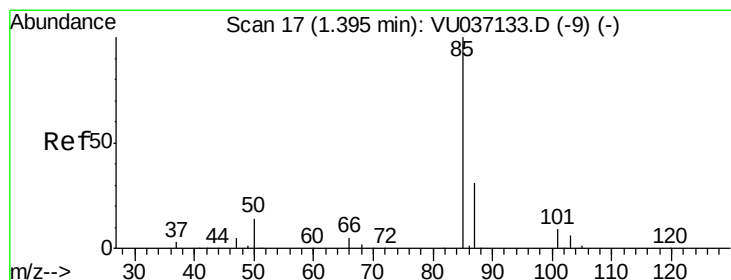
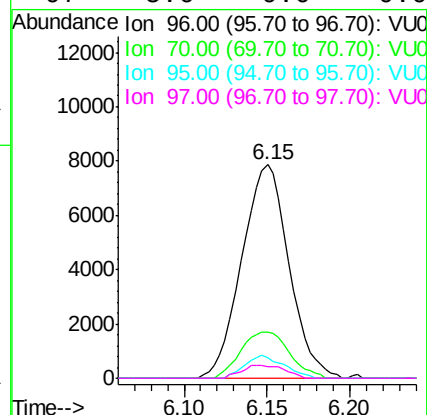
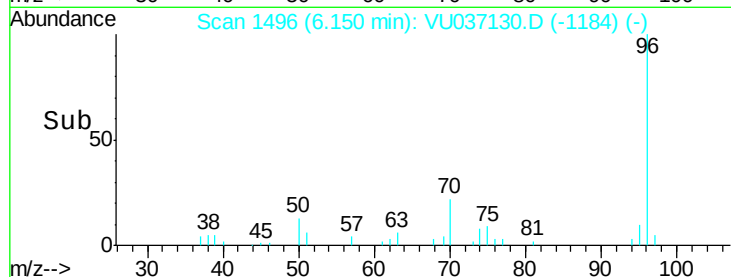
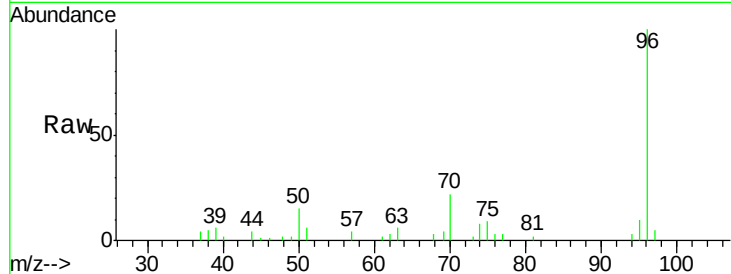
Tot Ion: 96 Resp: 15512

Ion	Ratio	Lower	Upper
96	100		
70	22.5	15.6	23.4
95	8.9	7.0	10.6
97	5.6	0.0	0.0#

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#2

Dichlorodifluoromethane

Concen: 1.475 ug/l

RT: 1.39 min Scan# 17

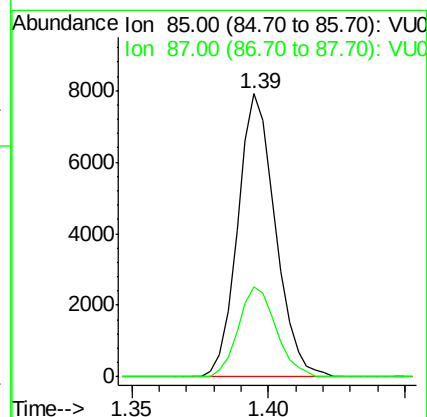
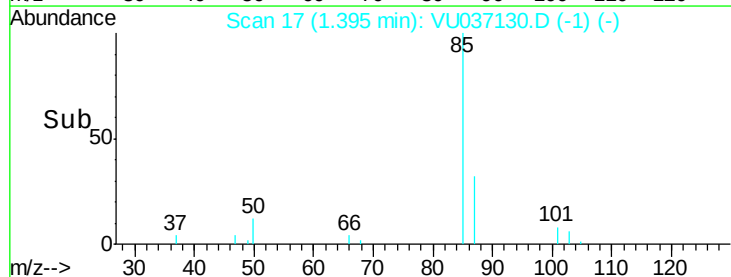
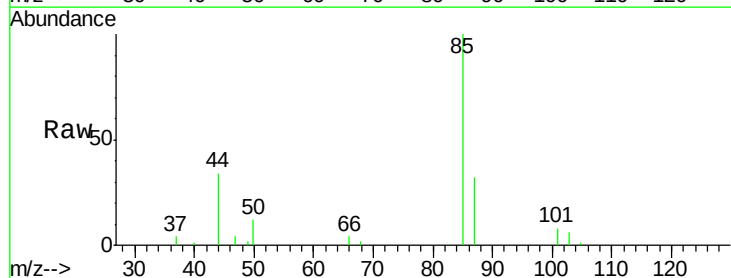
Delta R.T. -0.00 min

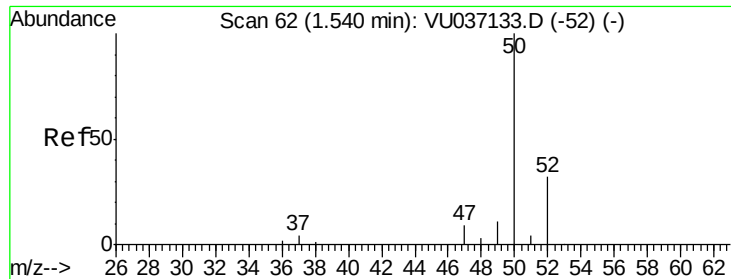
Lab File: VU037130.D

Acq: 09 Mar 2020 12:58

Tgt Ion: 85 Resp: 7561

Ion	Ratio	Lower	Upper
85	100		
87	32.0	16.4	49.2





#3

Chloromethane

Concen: 1.375 ug/l

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU037130.D

Acq: 09 Mar 2020 12:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 50 Resp: 7561

Ion Ratio Lower Upper

50 100

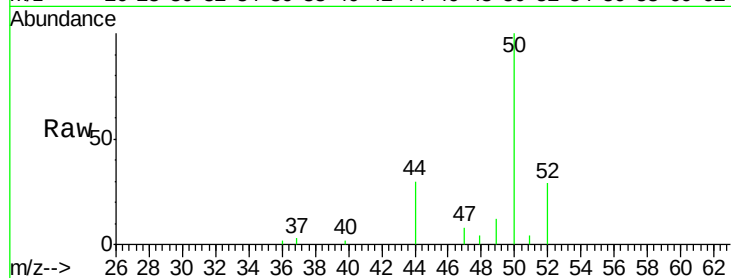
52 29.0 26.0 39.0

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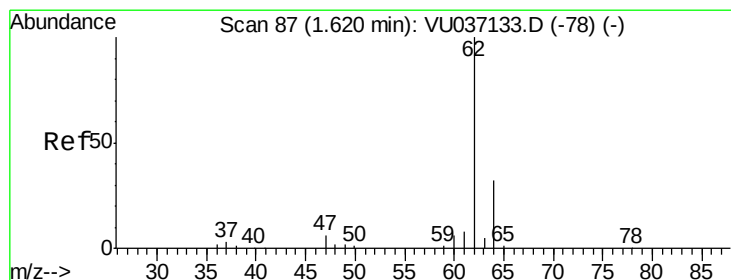
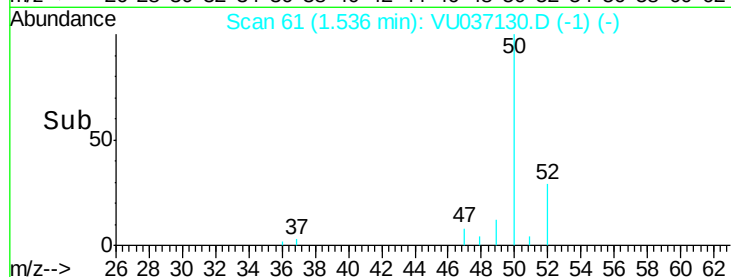
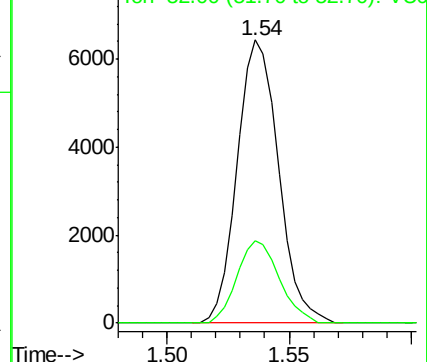
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Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#4

Vinyl Chloride

Concen: 1.044 ug/l

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU037130.D

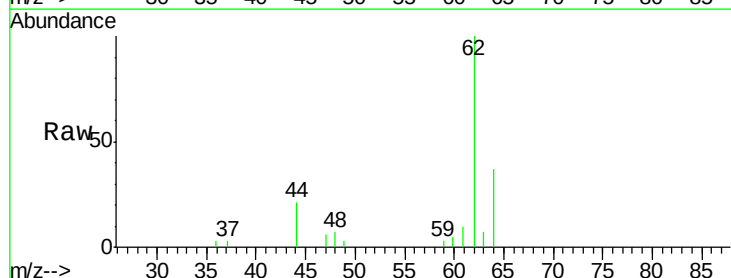
Acq: 09 Mar 2020 12:58

Tgt Ion: 62 Resp: 6500

Ion Ratio Lower Upper

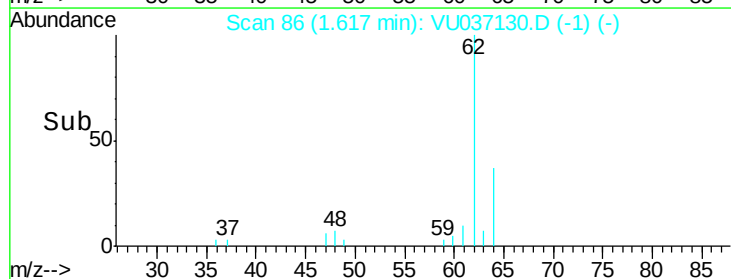
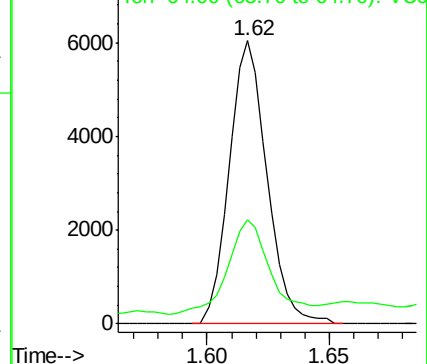
62 100

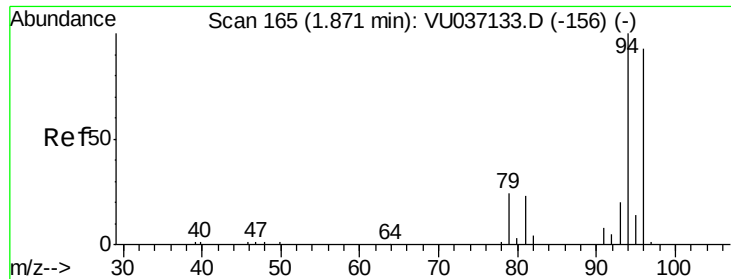
64 31.3 25.4 38.2



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0





#5
 Bromomethane
 Concen: 0.538 ug/l
 RT: 1.87 min Scan# 166
 Delta R.T. 0.00 min
 Lab File: VU037130.D
 Acq: 09 Mar 2020 12:58

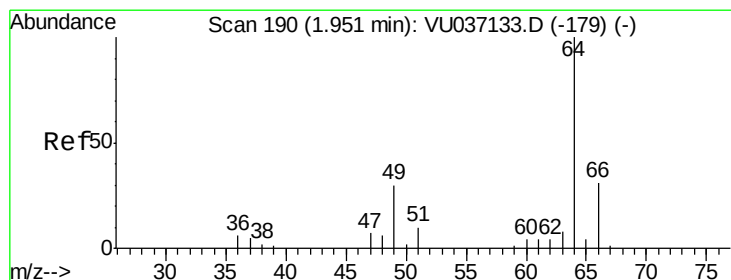
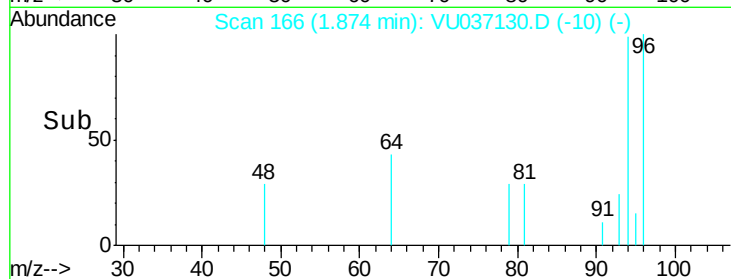
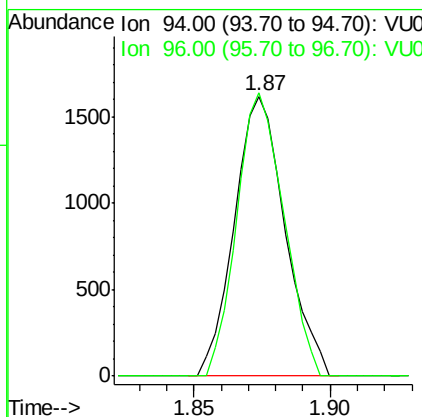
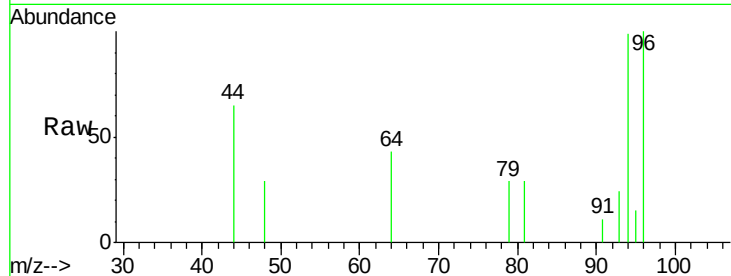
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Tot Ion: 94 Resp: 2083
 Ion Ratio Lower Upper
 94 100
 96 101.1 74.6 112.0

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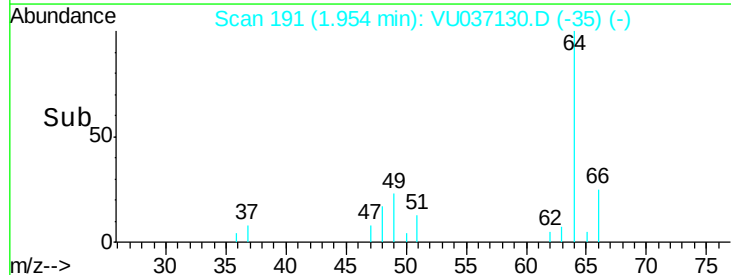
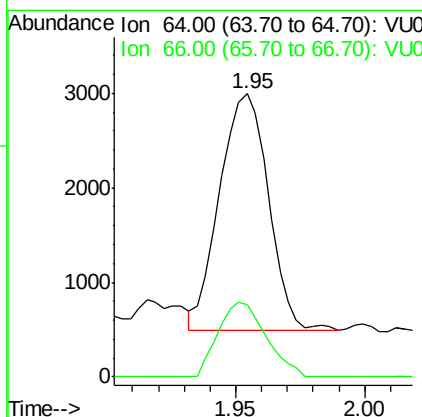
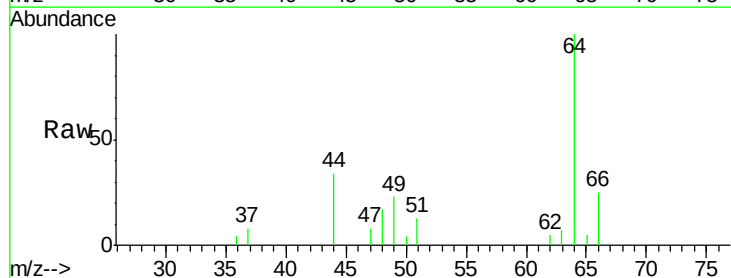
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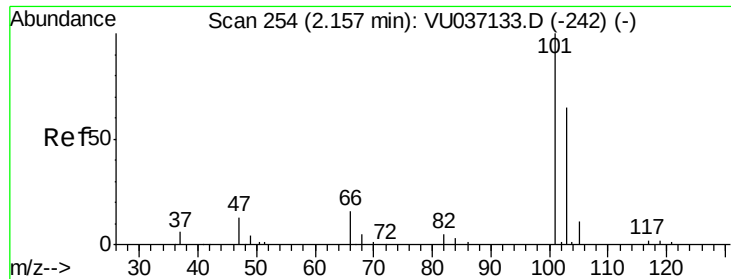
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#6
 Chloroethane
 Concen: 0.885 ug/l
 RT: 1.95 min Scan# 191
 Delta R.T. 0.00 min
 Lab File: VU037130.D
 Acq: 09 Mar 2020 12:58

Tgt Ion: 64 Resp: 3263
 Ion Ratio Lower Upper
 64 100
 66 30.5 25.5 38.3





#7

Trichlorofluoromethane
Concen: 1.342 ug/l
RT: 2.16 min Scan# 254
Delta R.T. -0.00 min
Lab File: VU037130.D
Acq: 09 Mar 2020 12:58

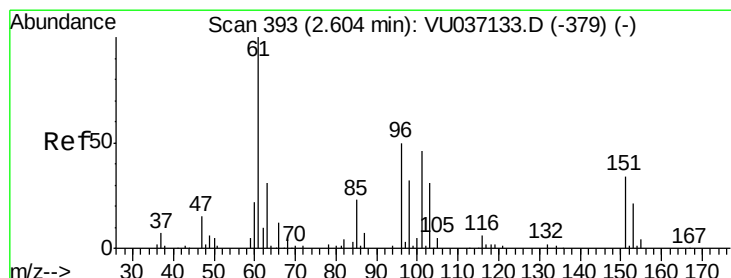
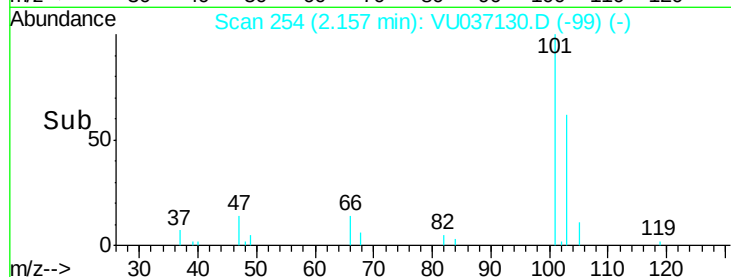
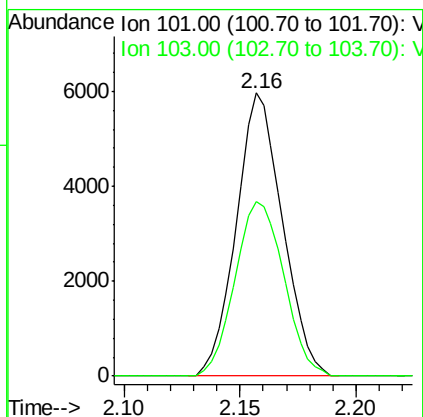
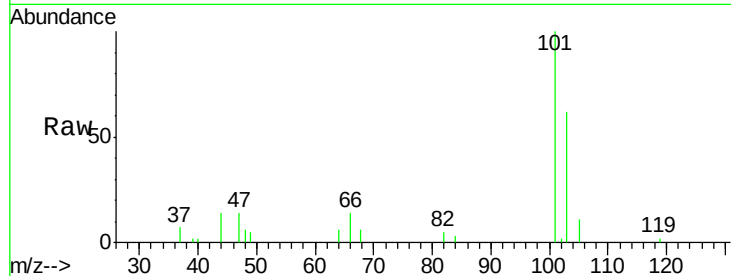
Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	61.8	53.0	79.6

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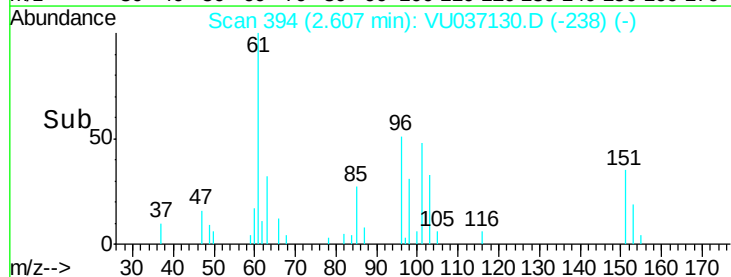
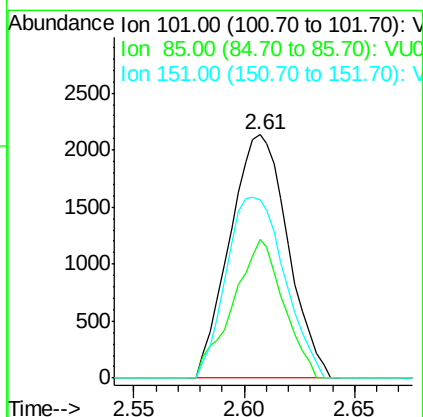
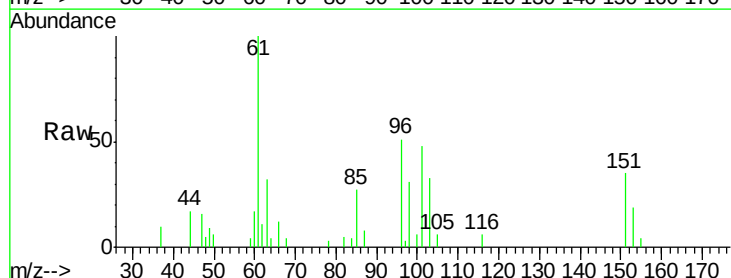
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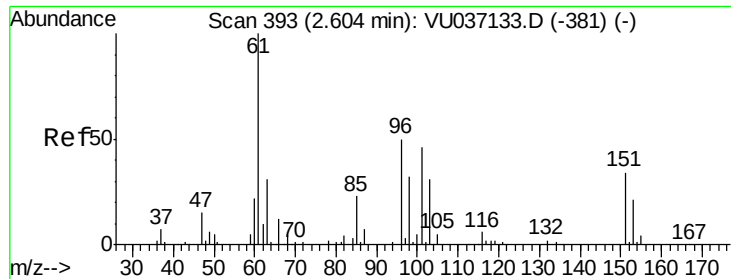


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.015 ug/l
RT: 2.61 min Scan# 394
Delta R.T. 0.00 min
Lab File: VU037130.D
Acq: 09 Mar 2020 12:58

Tgt Ion	Ratio	Lower	Upper
101	100		
85	49.6	33.9	50.9
151	74.9	59.8	89.8





#9

1,1-Dichloroethene

Concen: 0.862 ug/l

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU037130.D

Acq: 09 Mar 2020 12:58

Instrument :

MSVOA_U

ClientSampleId :

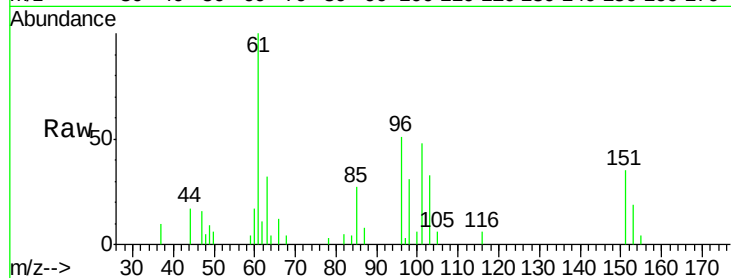
VSTDIC001

Tot Ion:	96	Resp:	3517
Ion	Ratio	Lower	Upper
96	100		
61	194.2	0.0	463.2
98	59.4	0.0	130.0

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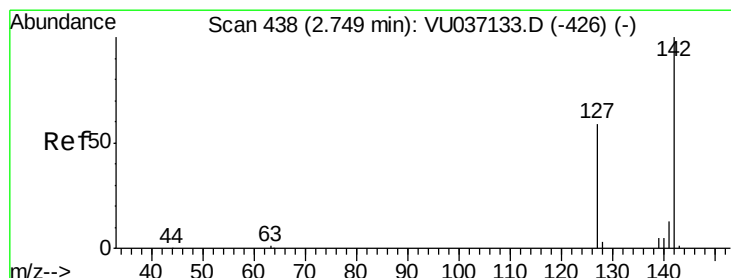
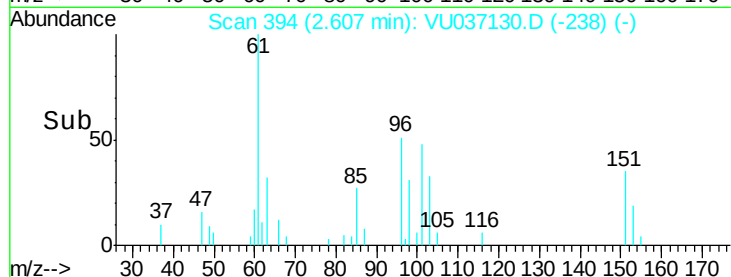
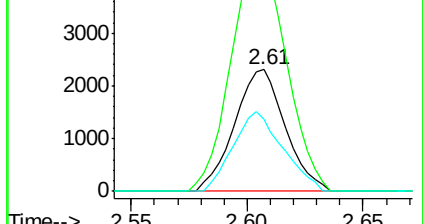
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Abundance Ion 96.00 (95.70 to 96.70): VU037133.D (-381) (-)

Ion 61.00 (60.70 to 61.70): VU037133.D (-381) (-)

Ion 98.00 (97.70 to 98.70): VU037133.D (-381) (-)



#10

Iodomethane

Concen: 0.222 ug/l

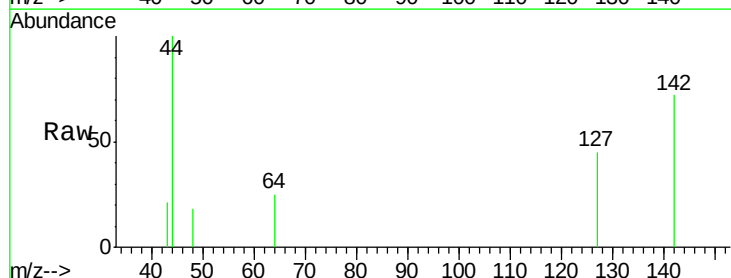
RT: 2.75 min Scan# 439

Delta R.T. 0.00 min

Lab File: VU037130.D

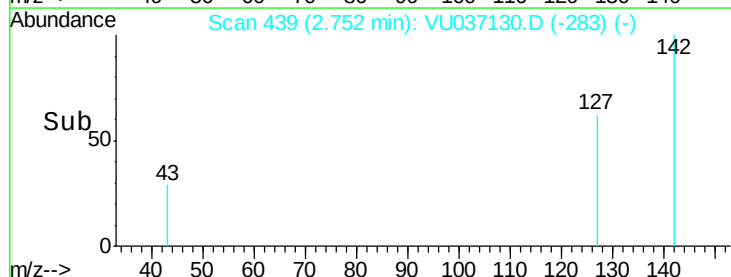
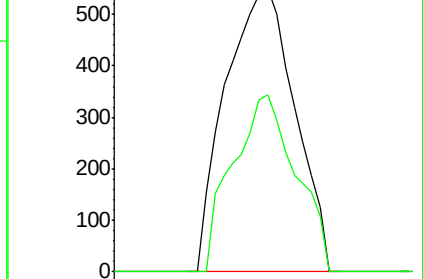
Acq: 09 Mar 2020 12:58

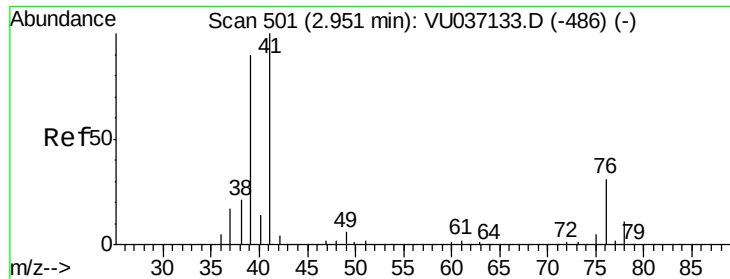
Tgt Ion:	142	Resp:	970
Ion	Ratio	Lower	Upper
142	100		
127	57.1	30.3	45.5#



Abundance Ion 142.00 (141.70 to 142.70): VU037133.D (-426) (-)

Ion 127.00 (126.70 to 127.70): VU037133.D (-426) (-)





#11
 Allvl Chloride
 Concen: 1.274 ug/l m
 RT: 2.95 min Scan# 502
 Delta R.T. 0.00 min
 Lab File: VU037130.D
 Acq: 09 Mar 2020 12:58

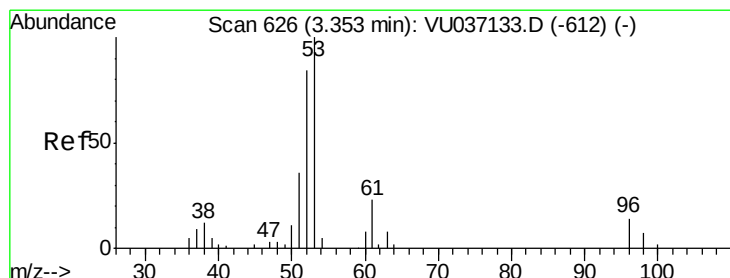
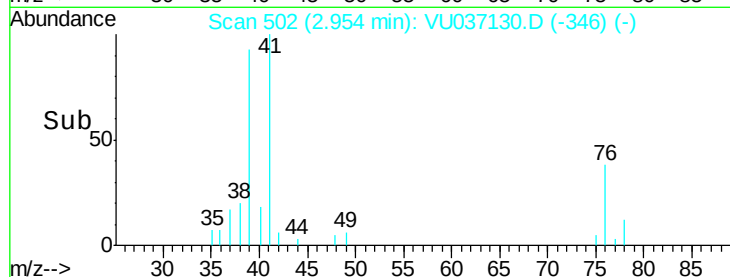
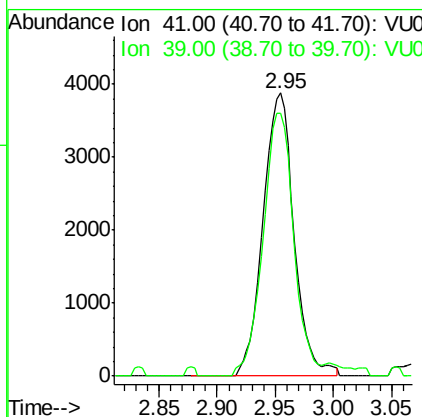
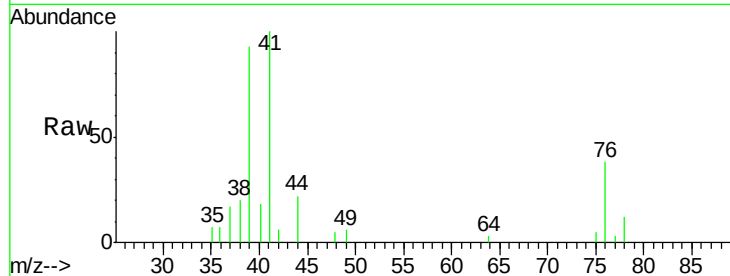
Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC001

Tot Ion: 41 Resp: 7186
 Ion Ratio Lower Upper
 41 100
 39 2.8 50.7 76.1#

Manual Integrations
 APPROVED

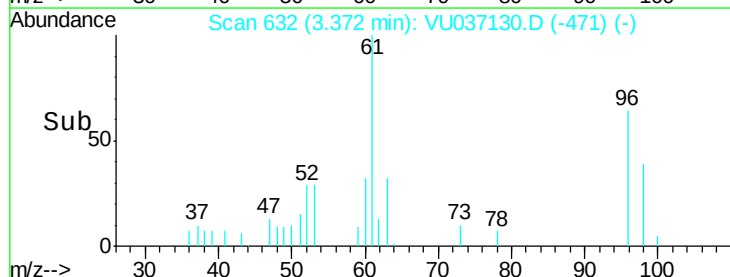
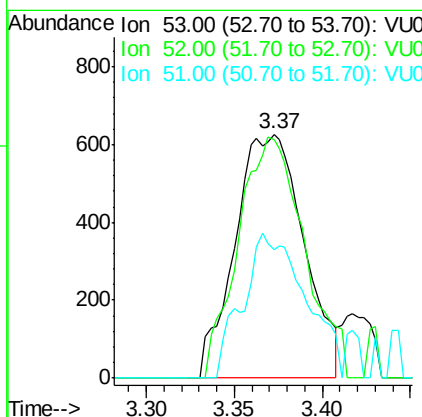
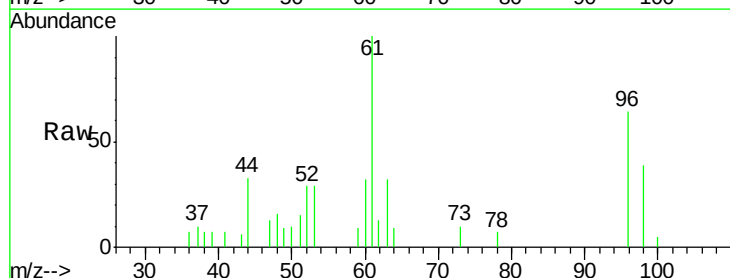
sam

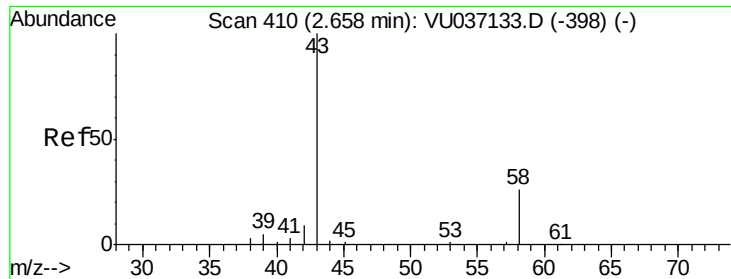
3/10/2020 3:06:19 PM



#12
 Acrylonitrile
 Concen: 1.699 ug/l m
 RT: 3.37 min Scan# 632
 Delta R.T. 0.02 min
 Lab File: VU037130.D
 Acq: 09 Mar 2020 12:58

Tgt Ion: 53 Resp: 1700
 Ion Ratio Lower Upper
 53 100
 52 95.1 64.6 97.0
 51 54.1 27.2 40.8#





#13
Acetone
Concen: 6.755 ug/l
RT: 2.67 min Scan# 415
Delta R.T. 0.02 min
Lab File: VU037130.D
Acq: 09 Mar 2020 12:58

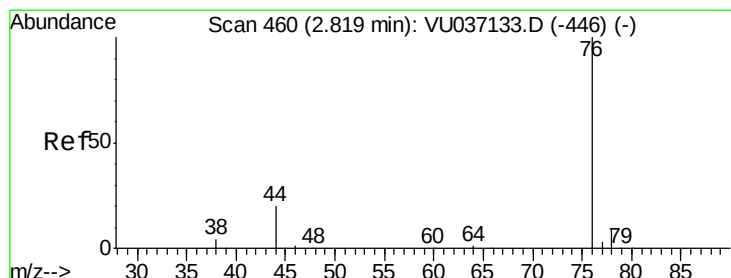
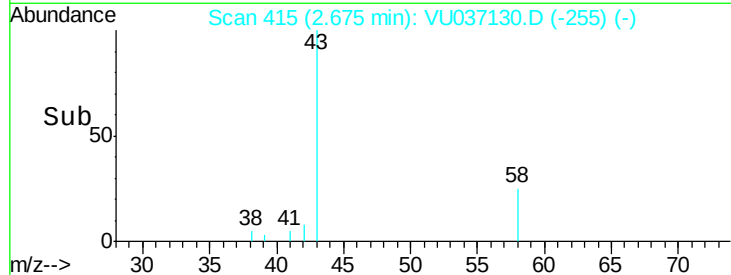
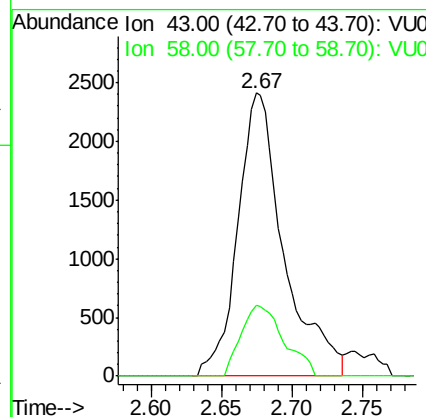
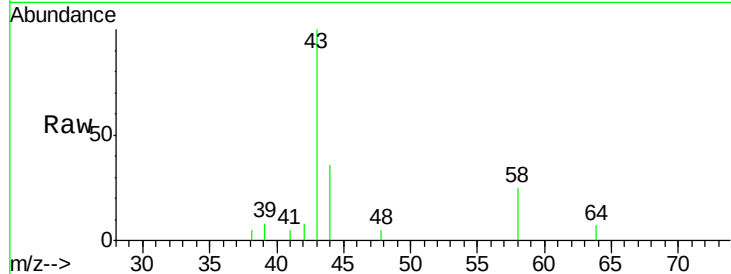
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion: 43 Resp: 5509
Ion Ratio Lower Upper
43 100
58 25.0 30.8 46.2#

Manual Integrations
APPROVED

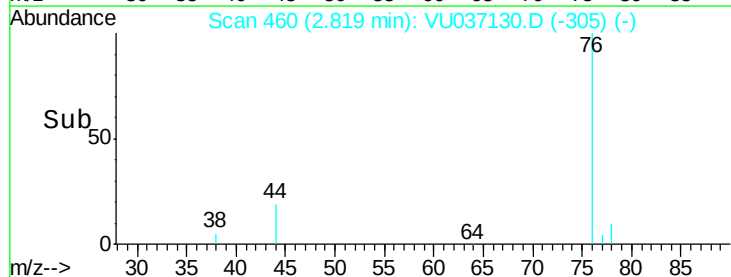
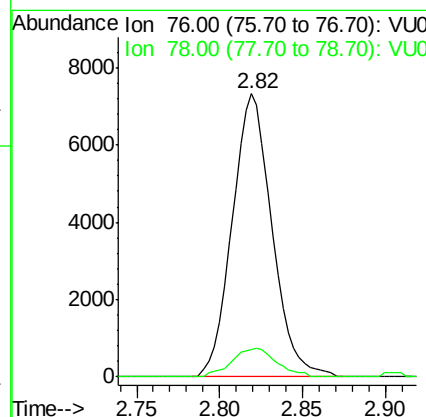
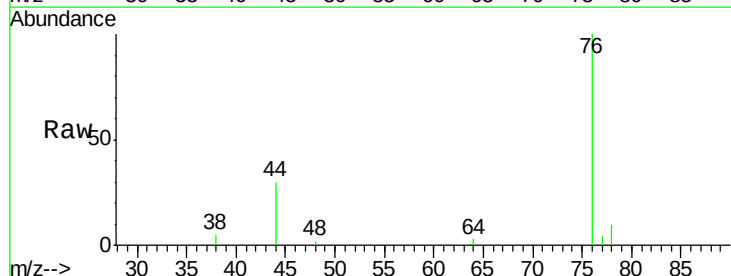
sam

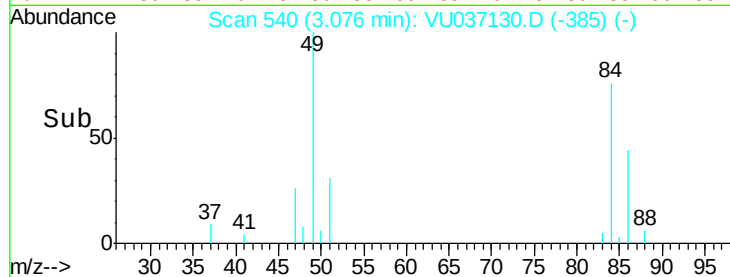
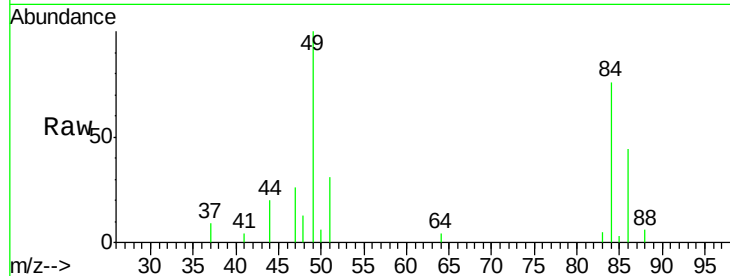
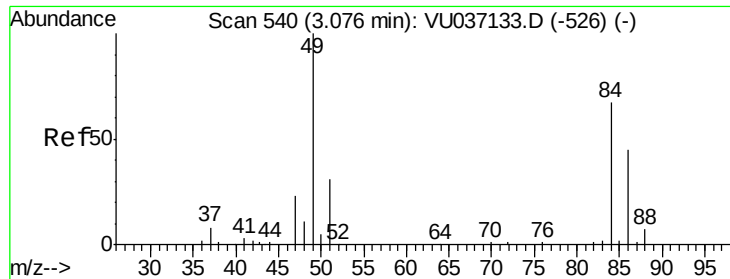
3/10/2020 3:06:19 PM



#14
Carbon Disulfide
Concen: 0.864 ug/l
RT: 2.82 min Scan# 460
Delta R.T. -0.00 min
Lab File: VU037130.D
Acq: 09 Mar 2020 12:58

Tgt Ion: 76 Resp: 12204
Ion Ratio Lower Upper
76 100
78 9.9 7.4 11.0





#15
Methylene Chloride
Concen: 0.986 ug/l
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU037130.D
Acq: 09 Mar 2020 12:58

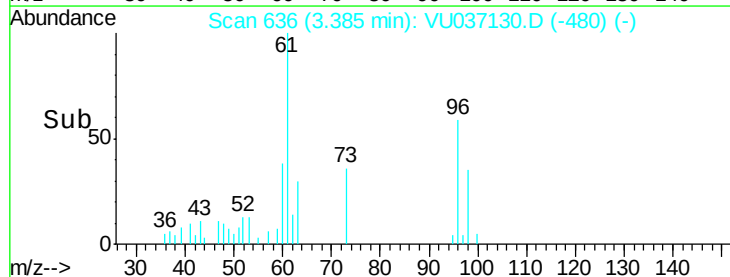
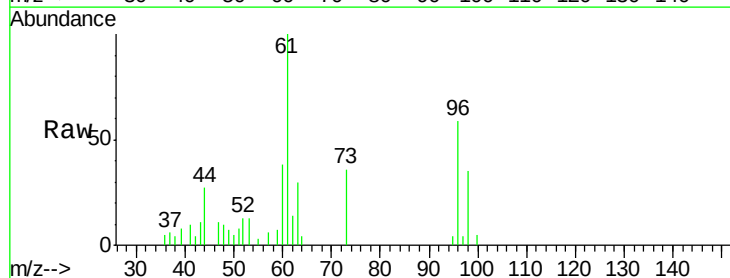
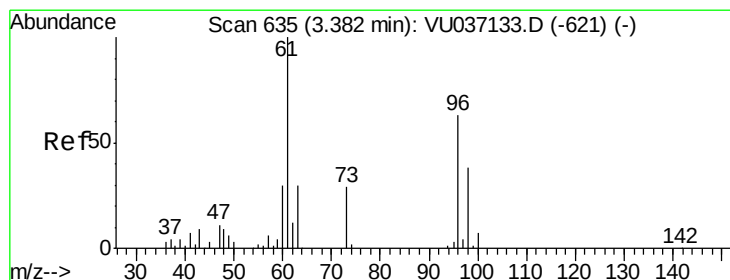
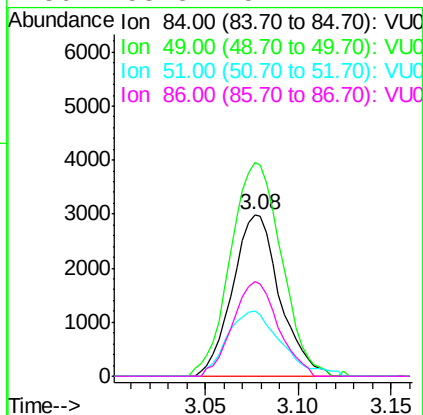
Tot Ion:	84	Resp:	5295
Ion	Ratio	Lower	Upper
84	100		
49	132.0	89.7	134.5
51	40.6	0.0	71.6
86	58.3	51.4	77.2

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Manual Integrations
APPROVED

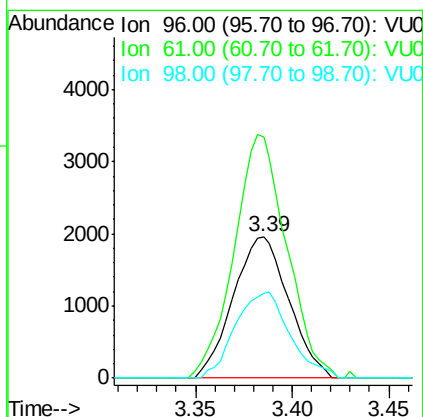
sam

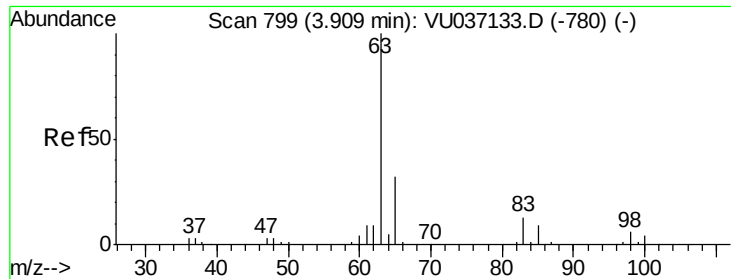
3/10/2020 3:06:19 PM



#16
trans-1,2-Dichloroethene
Concen: 0.869 ug/l
RT: 3.39 min Scan# 636
Delta R.T. 0.00 min
Lab File: VU037130.D
Acq: 09 Mar 2020 12:58

Tgt Ion:	96	Resp:	3908
Ion	Ratio	Lower	Upper
96	100		
61	170.7	110.8	166.2#
98	60.3	50.3	75.5





#17
 1,1-Dichloroethane
 Concen: 1.218 ug/l
 RT: 3.91 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: VU037130.D
 Acq: 09 Mar 2020 12:58

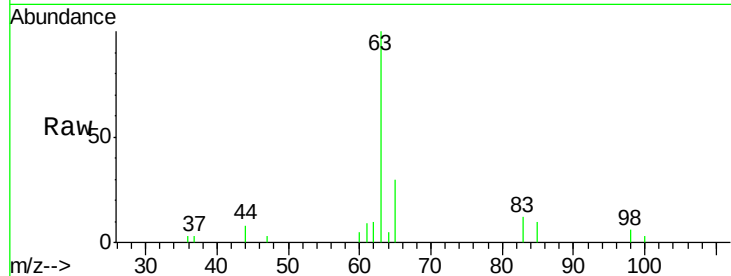
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion:	63	Resp:	8929
Ion	Ratio	Lower	Upper
63	100		
98	6.0	3.5	10.5
100	3.0	2.4	7.1

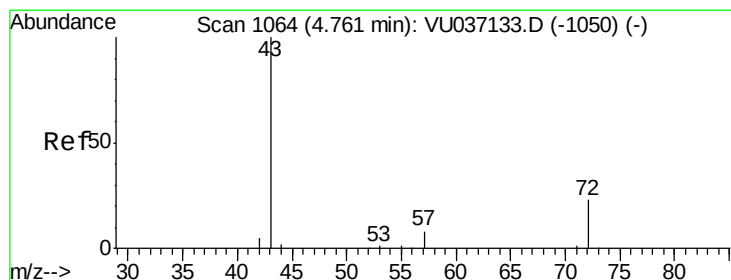
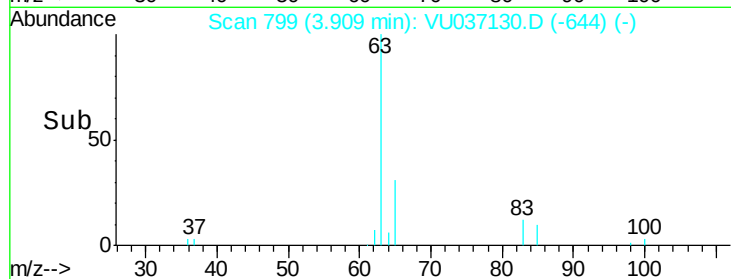
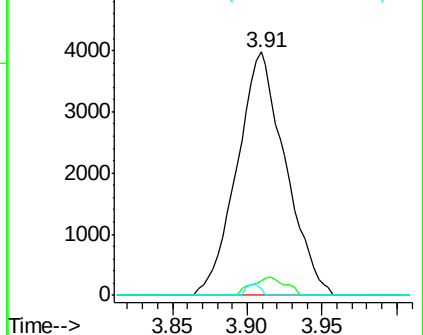
Manual Integrations
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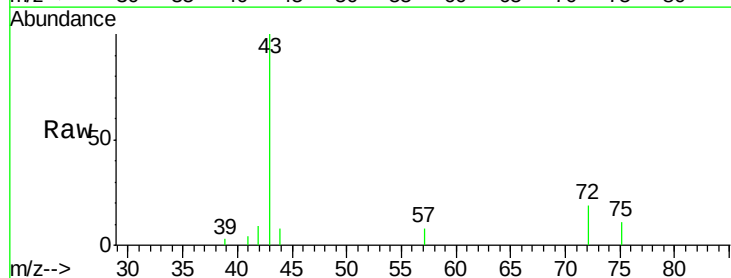


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0
 Ion 100.00 (99.70 to 100.70): VU0

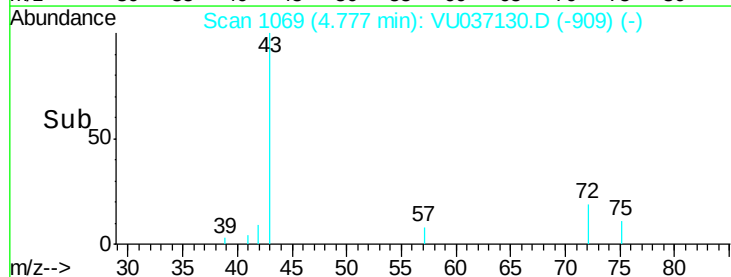
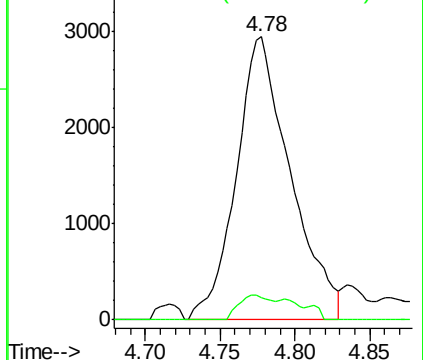


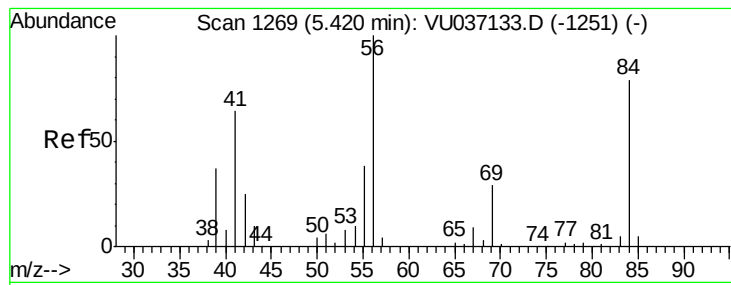
#18
 2-Butanone
 Concen: 6.919 ug/l
 RT: 4.78 min Scan# 1069
 Delta R.T. 0.02 min
 Lab File: VU037130.D
 Acq: 09 Mar 2020 12:58

Tgt Ion:	43	Resp:	7432
Ion	Ratio	Lower	Upper
43	100		
57	8.1	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: 1.107 ug/l m

RT: 5.42 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VU037130.D

Acq: 09 Mar 2020 12:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 56 Resp: 7418

Ion Ratio Lower Upper

56 100

69 31.7 26.2 39.2

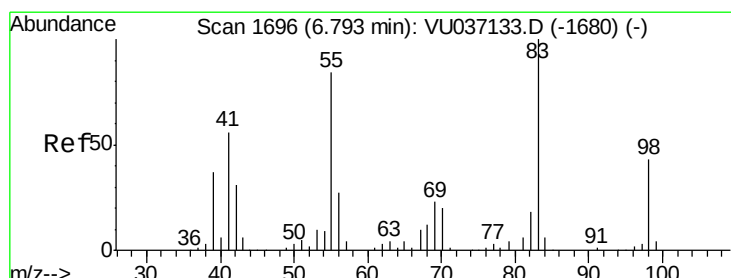
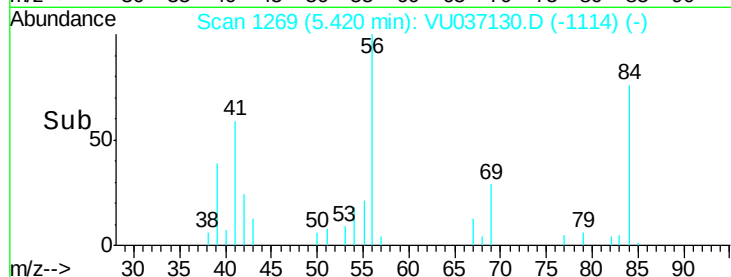
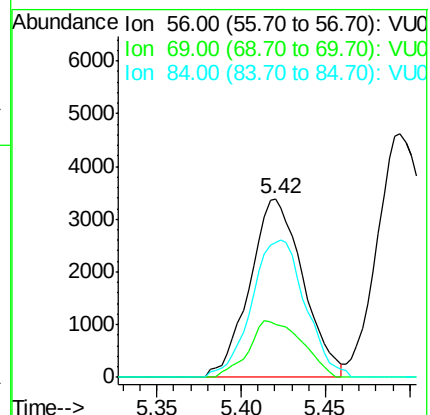
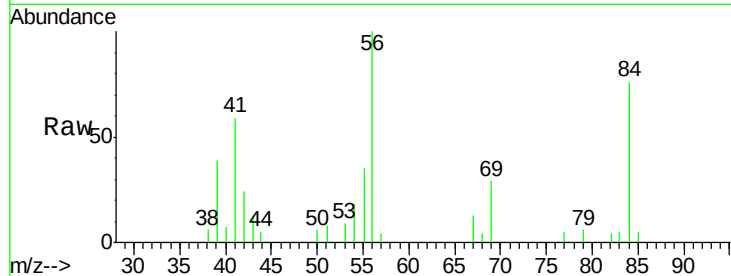
84 77.5 72.8 109.2

Manual Integrations

APPROVED

sam

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#20

Methylcyclohexane

Concen: 0.961 ug/l

RT: 6.79 min Scan# 1695

Delta R.T. -0.00 min

Lab File: VU037130.D

Acq: 09 Mar 2020 12:58

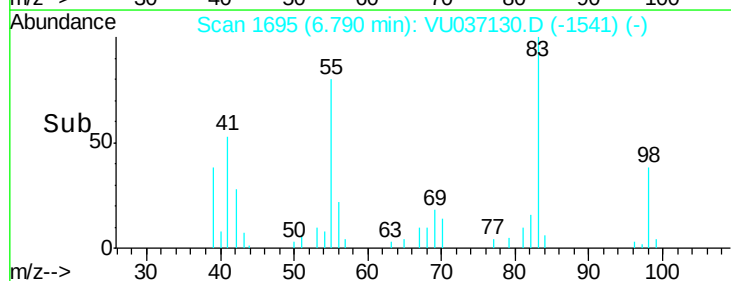
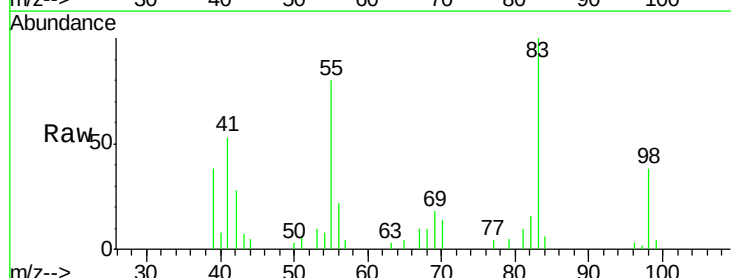
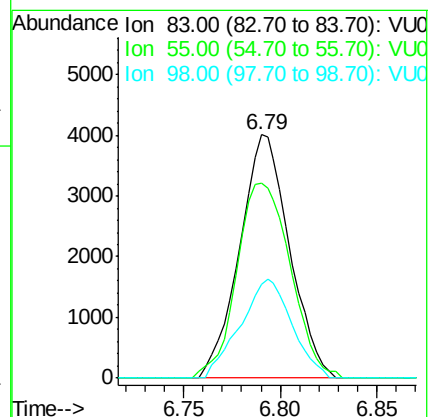
Tgt Ion: 83 Resp: 7190

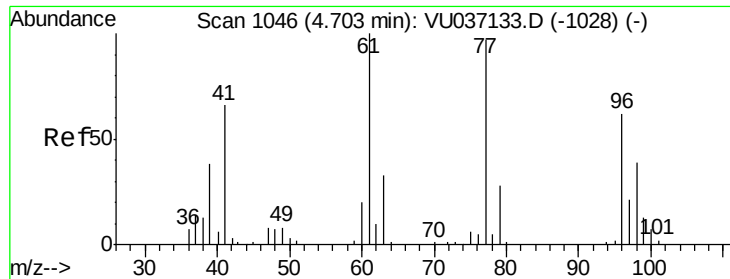
Ion Ratio Lower Upper

83 100

55 86.1 56.6 85.0#

98 42.0 37.5 56.3





#21
 2,2-Dichloropropane
 Concen: 1.364 ug/l
 RT: 4.70 min Scan# 1046
 Delta R.T. -0.00 min
 Lab File: VU037130.D
 Acq: 09 Mar 2020 12:58

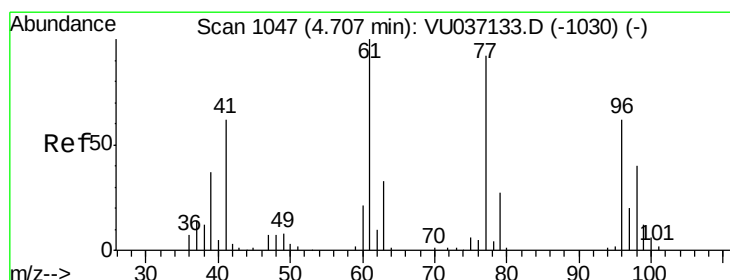
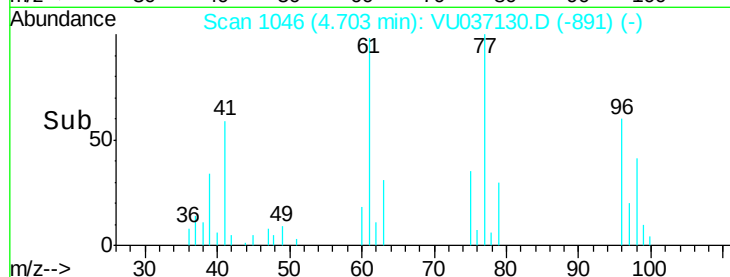
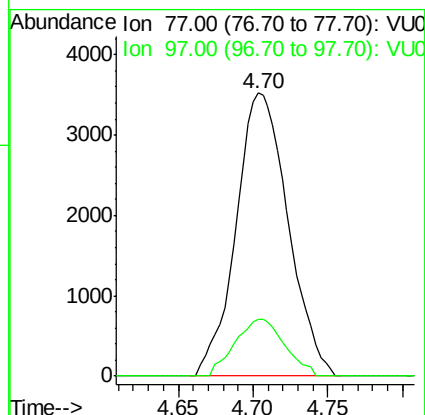
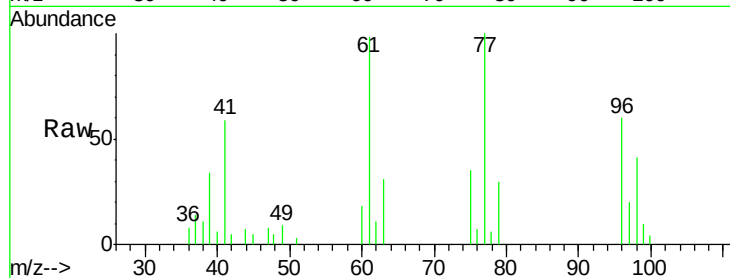
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion: 77 Resp: 8537
 Ion Ratio Lower Upper
 77 100
 97 19.2 19.0 28.4

Manual Integrations
 APPROVED

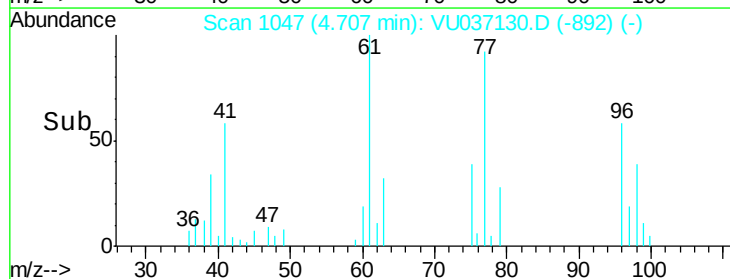
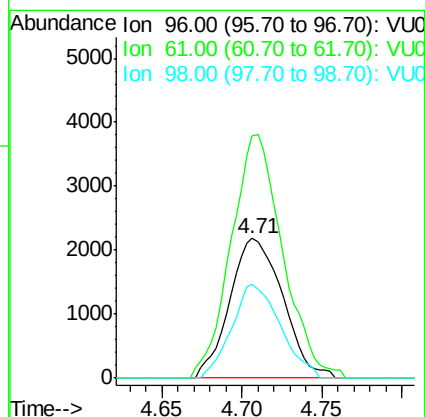
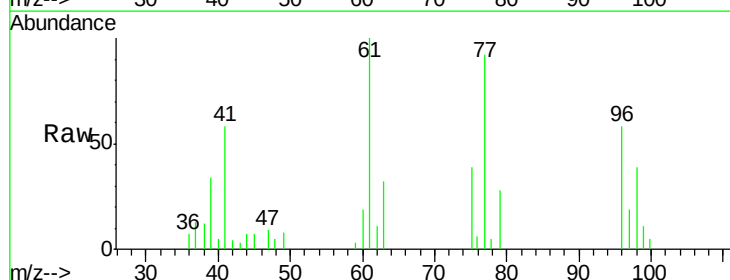
sam

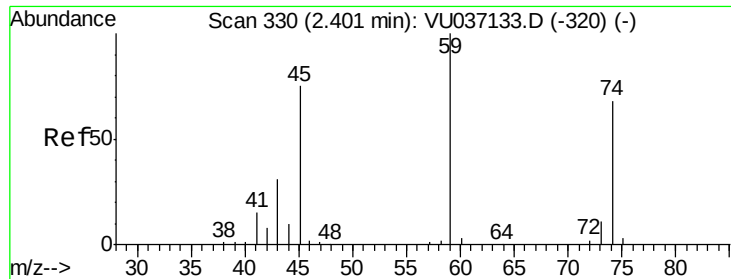
3/10/2020 3:06:19 PM



#22
 cis-1,2-Dichloroethene
 Concen: 1.063 ug/l
 RT: 4.71 min Scan# 1047
 Delta R.T. -0.00 min
 Lab File: VU037130.D
 Acq: 09 Mar 2020 12:58

Tgt Ion: 96 Resp: 4962
 Ion Ratio Lower Upper
 96 100
 61 169.3 0.0 342.0
 98 61.3 32.0 96.0





#23

Diethyl Ether

Concen: 0.995 ug/l

RT: 2.40 min Scan# 331

Delta R.T. 0.00 min

Lab File: VU037130.D

Acq: 09 Mar 2020 12:58

Instrument :

MSVOA_U

ClientSampleId :

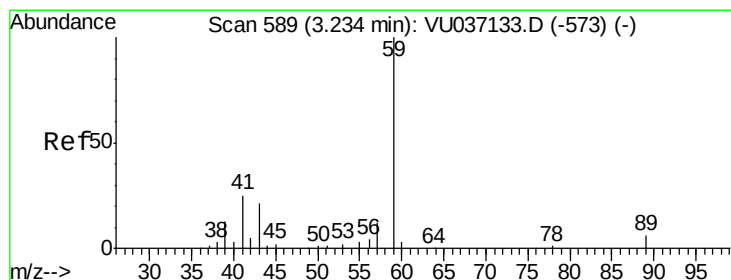
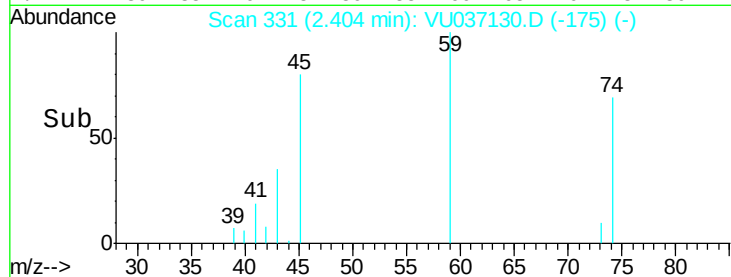
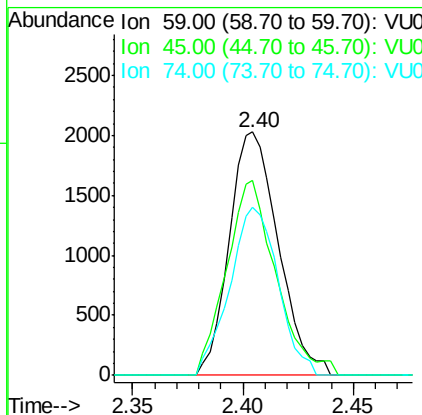
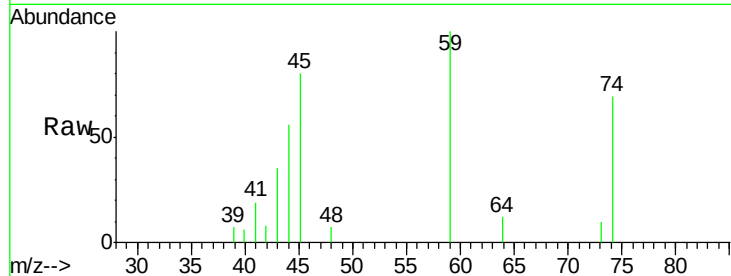
VSTDIC001

Tot Ion:	59	Resp:	3135
Ion	Ratio	Lower	Upper
59	100		
45	80.8	52.4	78.6#
74	68.0	62.1	93.1

Manual Integrations
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sam

3/10/2020 3:06:19 PM



#24

tert-Butyl Alcohol

Concen: 13.210 ug/l m

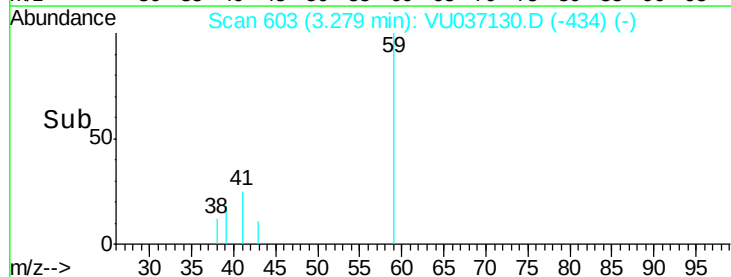
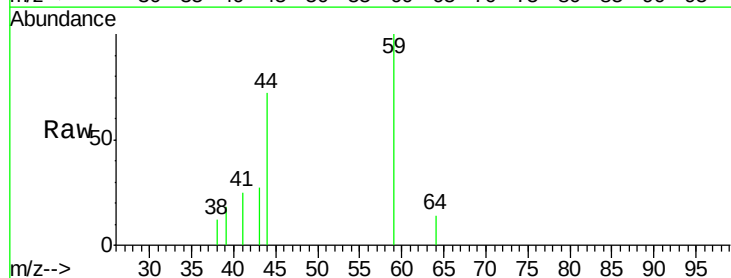
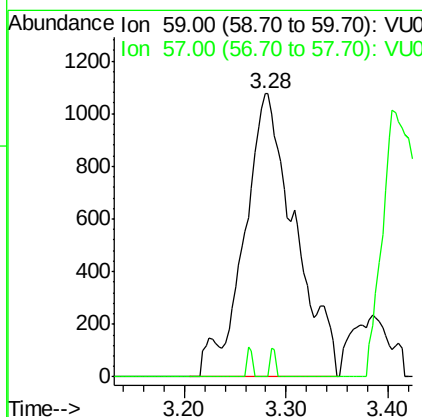
RT: 3.28 min Scan# 603

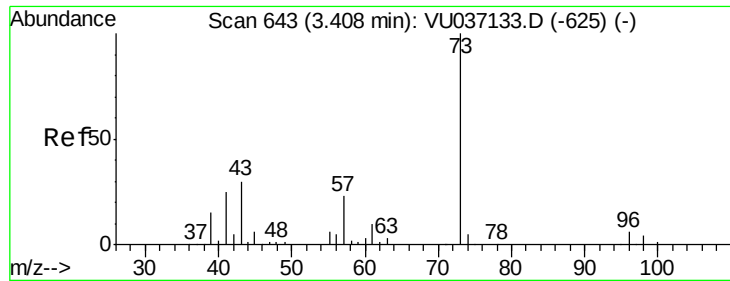
Delta R.T. 0.04 min

Lab File: VU037130.D

Acq: 09 Mar 2020 12:58

Tgt Ion:	59	Resp:	3720
Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.4	12.6#





#25

Methyl tert-Butyl Ether
 Concen: 1.012 ug/l
 RT: 3.41 min Scan# 645
 Delta R.T. 0.01 min
 Lab File: VU037130.D
 Acq: 09 Mar 2020 12:58

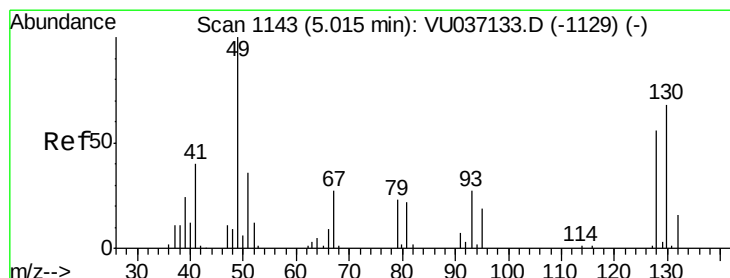
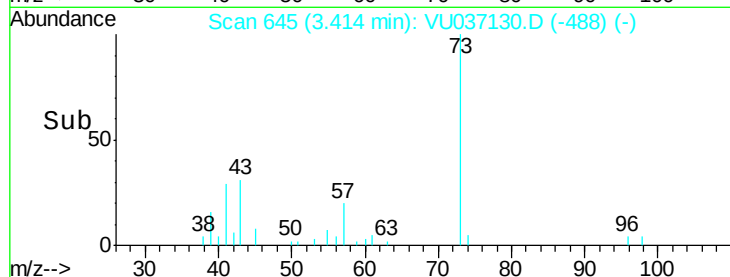
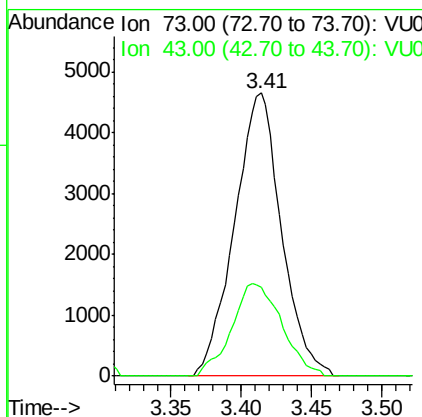
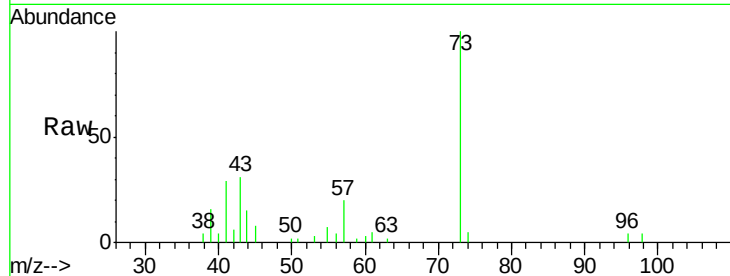
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion: 73 Resp: 10816
 Ion Ratio Lower Upper
 73 100
 43 34.9 14.5 21.7#

Manual Integrations
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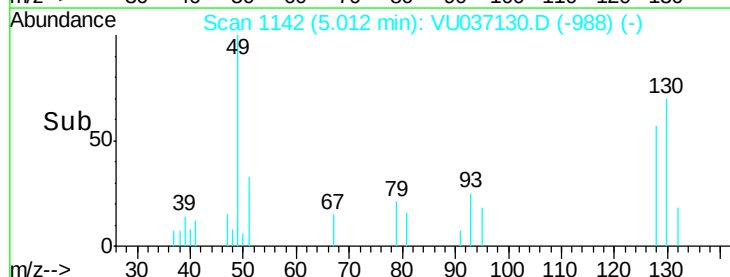
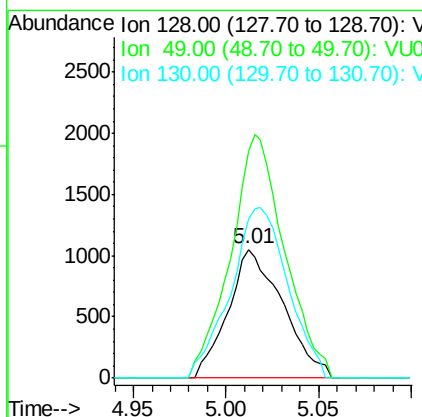
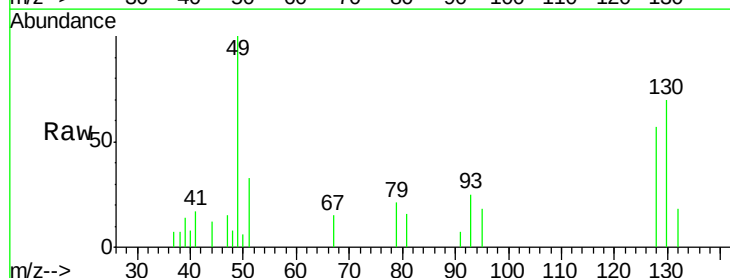
3/10/2020 3:06:19 PM

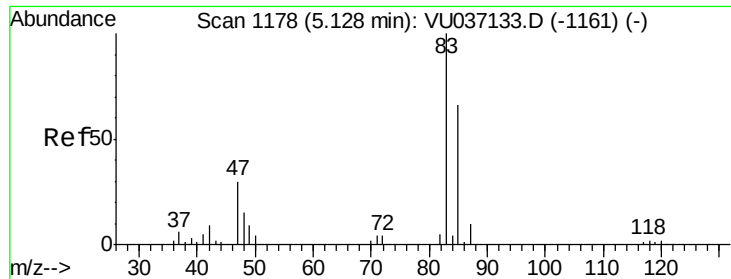


#26

Bromochloromethane
 Concen: 1.071 ug/l
 RT: 5.01 min Scan# 1142
 Delta R.T. -0.00 min
 Lab File: VU037130.D
 Acq: 09 Mar 2020 12:58

Tgt Ion: 128 Resp: 2165
 Ion Ratio Lower Upper
 128 100
 49 184.8 0.0 286.2
 130 138.2 104.3 156.5





#27
Chloroform
Concen: 1.365 ug/l
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU037130.D
Acq: 09 Mar 2020 12:58

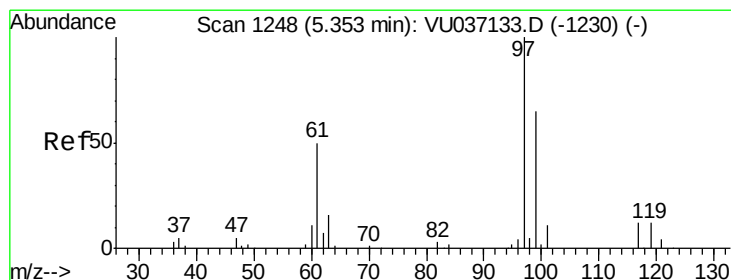
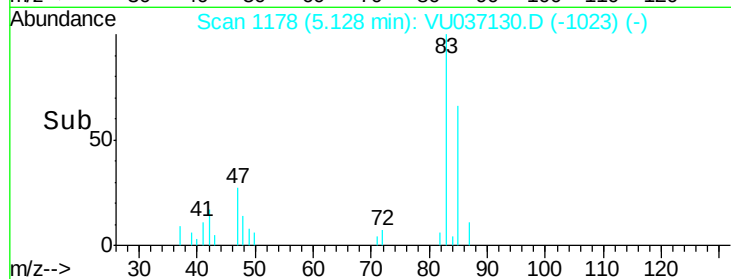
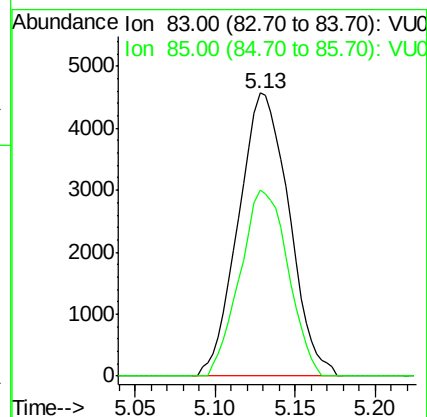
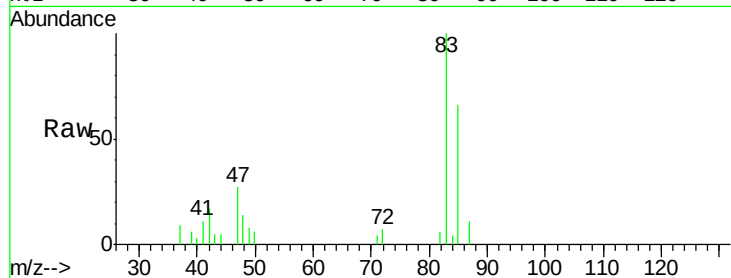
Instrument :
MSVOA_U
ClientSampled :
VSTDIC001

Tot Ion	83	Resp	9902
Ion Ratio	100	Lower	Upper
85	65.8	0.0	129.0

Manual Integrations
APPROVED

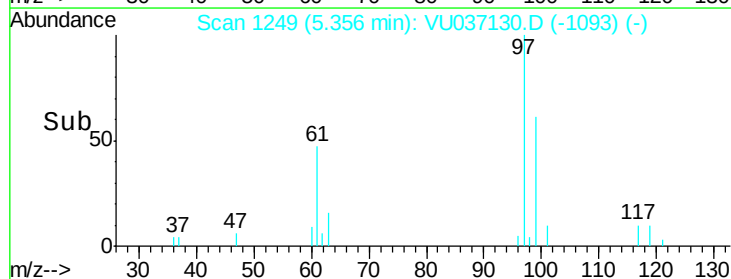
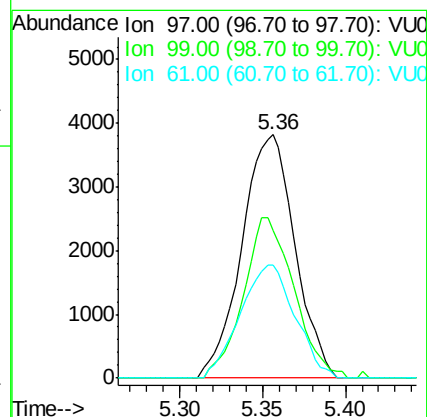
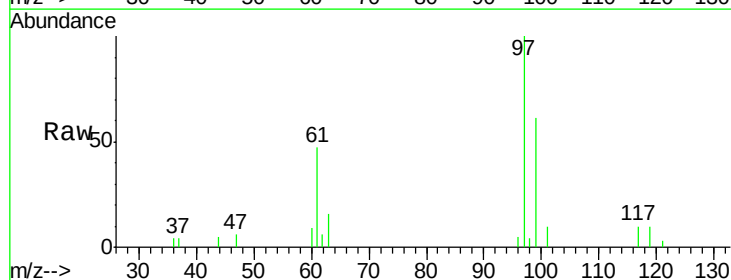
sam

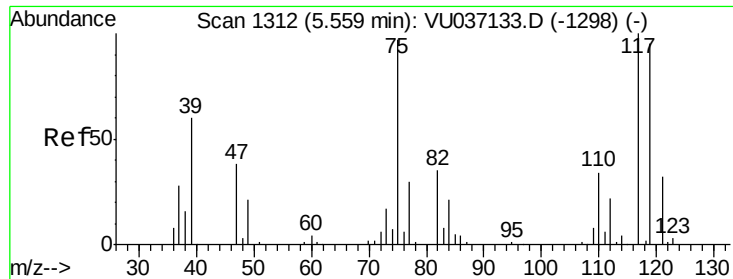
3/10/2020 3:06:19 PM



#28
1,1,1-Trichloroethane
Concen: 1.399 ug/l
RT: 5.36 min Scan# 1249
Delta R.T. 0.00 min
Lab File: VU037130.D
Acq: 09 Mar 2020 12:58

Tgt Ion	97	Resp	8508
Ion Ratio	100	Lower	Upper
99	62.5	32.1	96.3
61	47.8	22.7	68.0





#29
 1,1-Dichloropropene
 Concen: 1.044 ug/l
 RT: 5.56 min Scan# 1312
 Delta R.T. -0.00 min
 Lab File: VU037130.D
 Acq: 09 Mar 2020 12:58

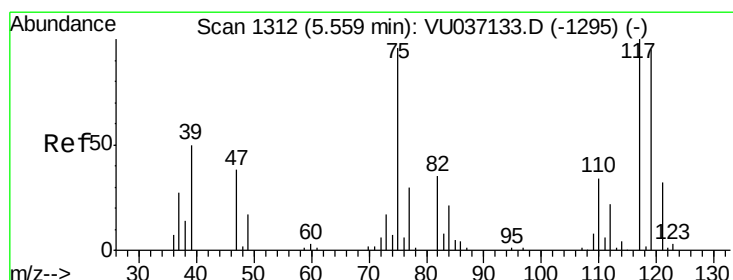
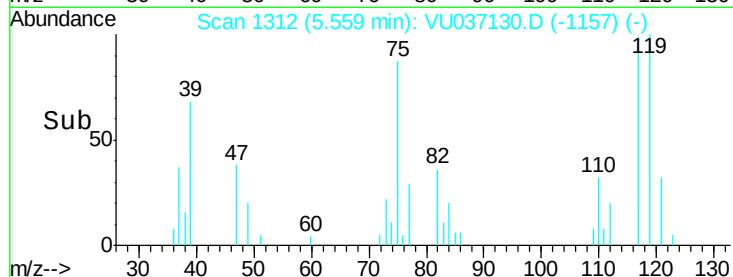
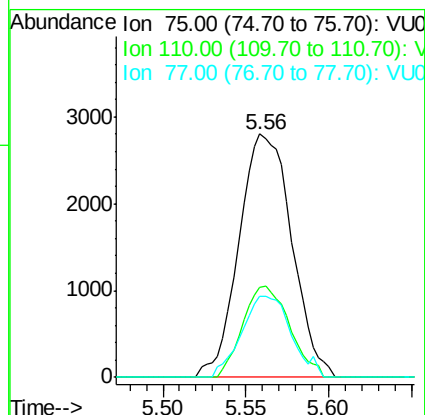
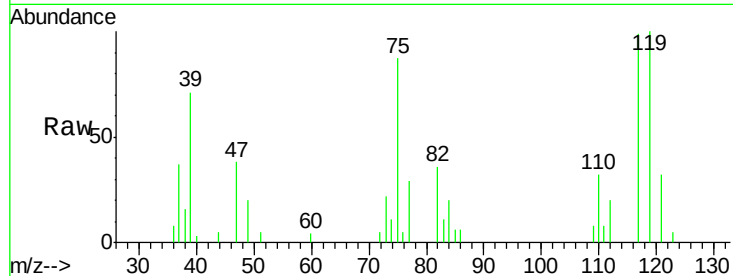
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
110	33.2	18.6	55.8
77	31.4	25.0	37.4

Manual Integrations
 APPROVED

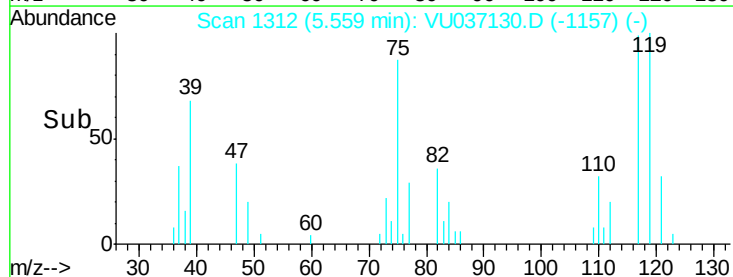
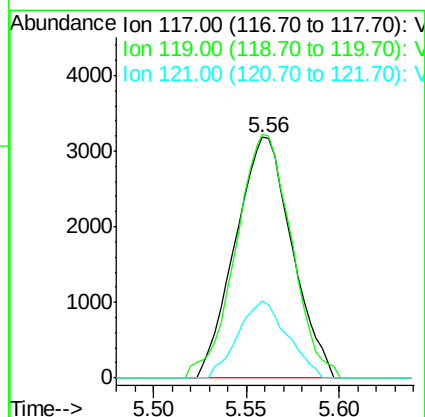
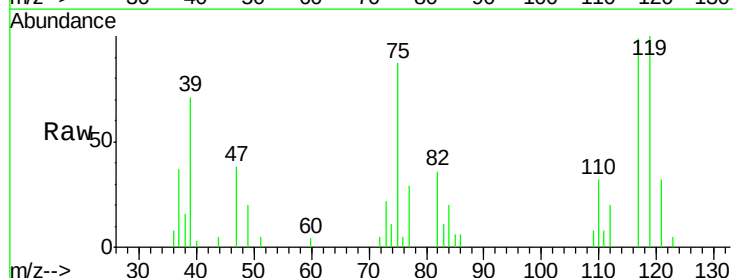
sam

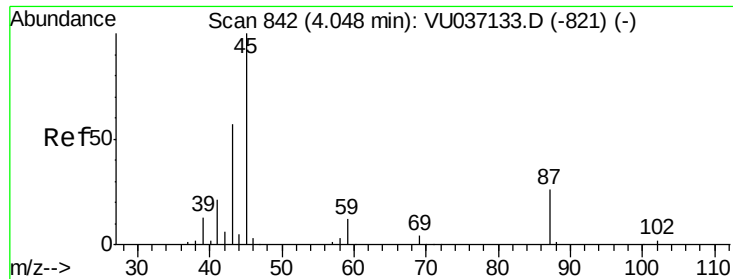
3/10/2020 3:06:19 PM



#30
 Carbon Tetrachloride
 Concen: 1.297 ug/l
 RT: 5.56 min Scan# 1312
 Delta R.T. -0.00 min
 Lab File: VU037130.D
 Acq: 09 Mar 2020 12:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	101.2	77.0	115.6
121	32.1	23.3	34.9





#31

Isopropyl Ether

Concen: 1.230 ug/l

RT: 4.05 min Scan# 843

Delta R.T. 0.00 min

Lab File: VU037130.D

Acq: 09 Mar 2020 12:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 45 Resp: 13696

Ion Ratio Lower Upper

45 100

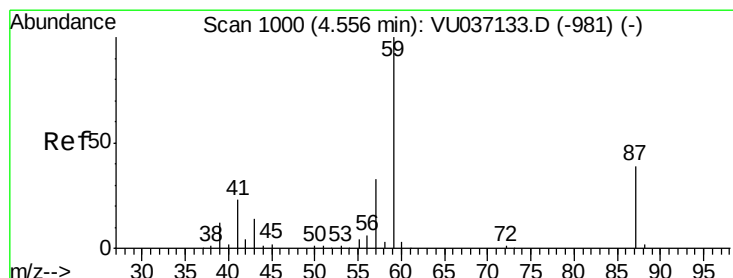
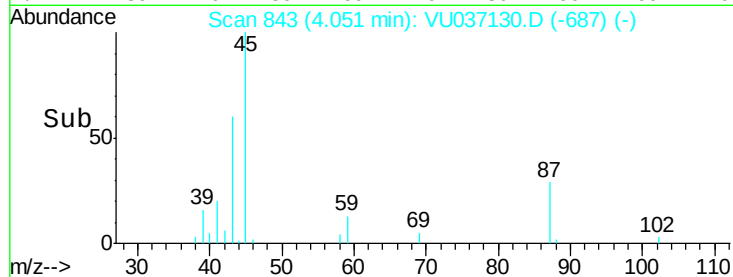
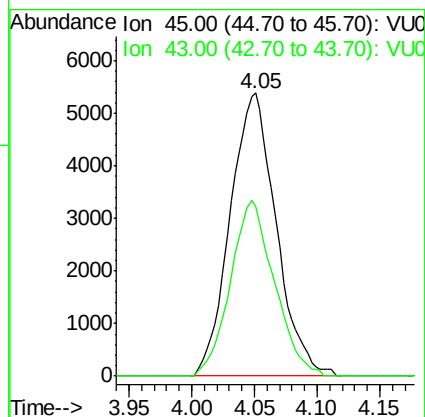
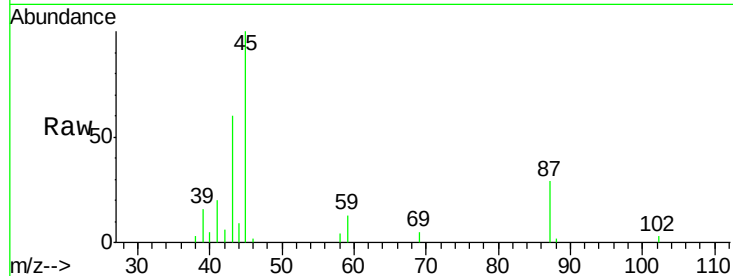
43 59.3 24.0 72.0

Manual Integrations

APPROVED

sam

3/10/2020 3:06:19 PM



#32

Ethyl-t-butyl ether

Concen: 1.116 ug/l

RT: 4.56 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VU037130.D

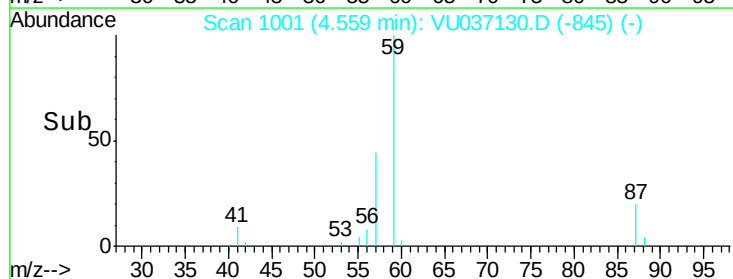
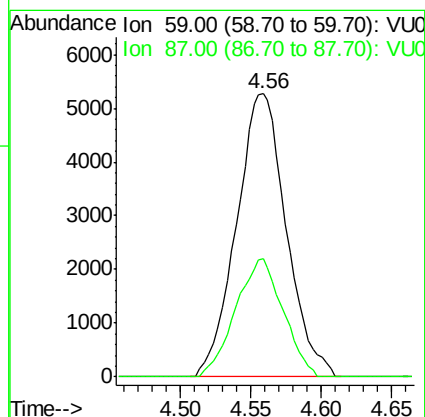
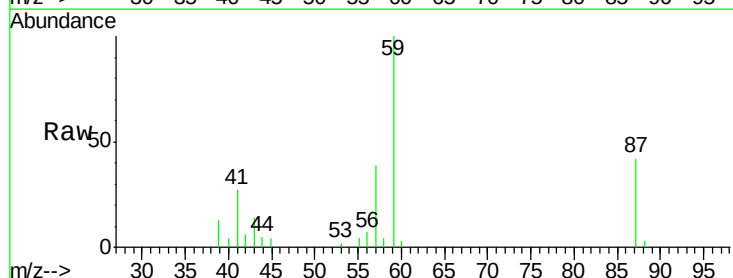
Acq: 09 Mar 2020 12:58

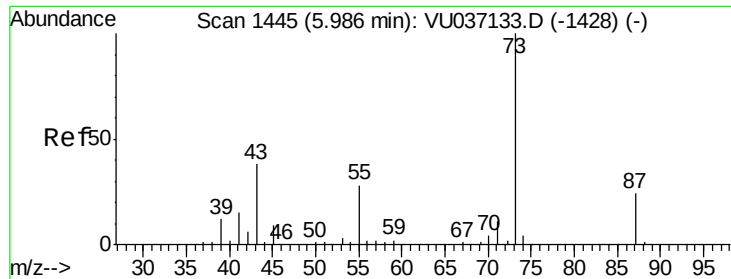
Tgt Ion: 59 Resp: 12996

Ion Ratio Lower Upper

59 100

87 39.8 35.1 52.7





#33
Tert-Amvl methvl ether
Concen: 1.073 ug/l
RT: 5.98 min Scan# 1444
Delta R.T. -0.00 min
Lab File: VU037130.D
Acq: 09 Mar 2020 12:58

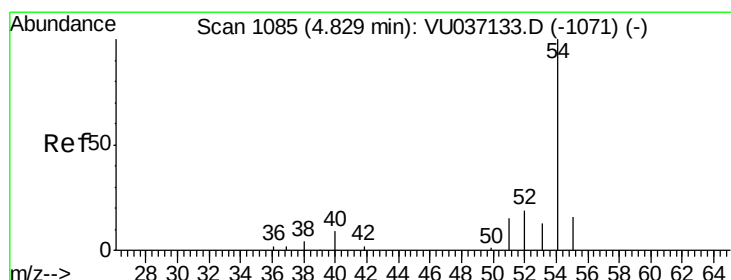
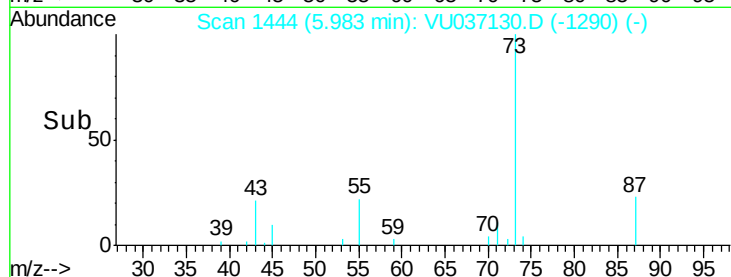
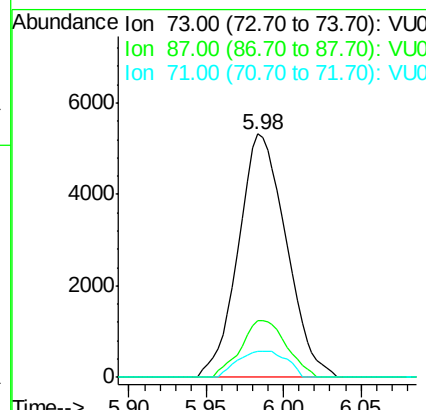
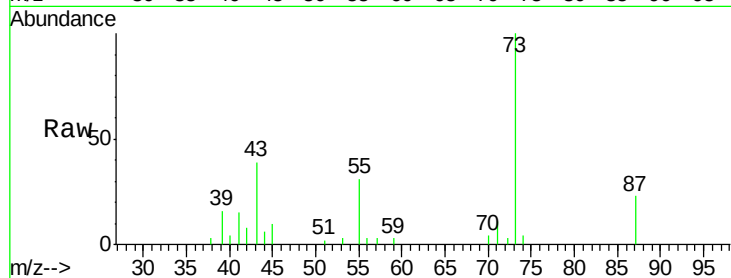
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
73	100		
87	22.3	19.8	29.6
71	11.0	9.1	13.7

Manual Integrations
APPROVED

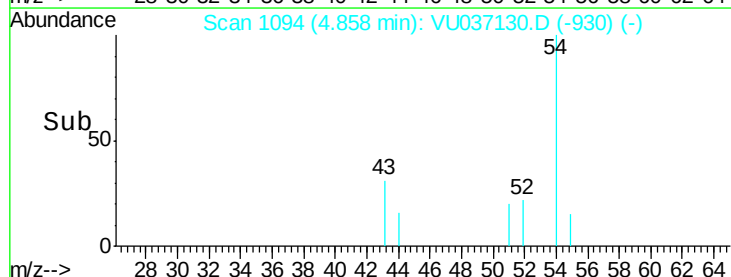
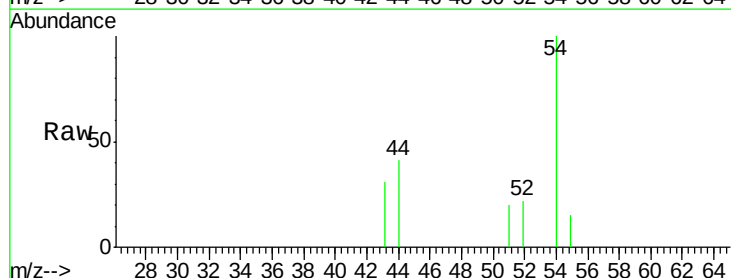
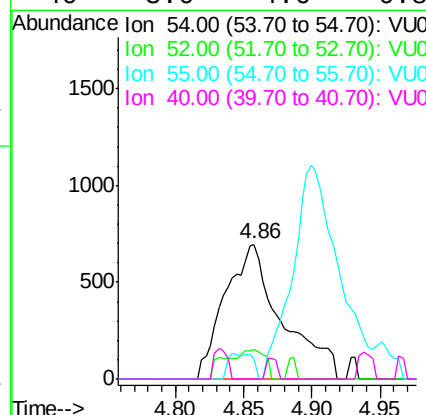
sam

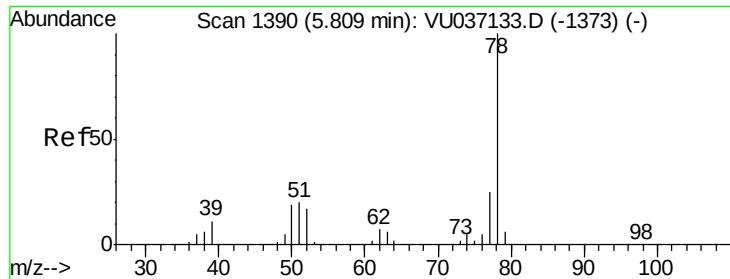
3/10/2020 3:06:19 PM



#34
Propionitrile
Concen: 6.495 ug/l
RT: 4.86 min Scan# 1094
Delta R.T. 0.03 min
Lab File: VU037130.D
Acq: 09 Mar 2020 12:58

Tgt Ion	Ratio	Lower	Upper
54	100		
52	9.1	15.2	22.8#
55	0.0	9.5	14.3#
40	3.0	4.6	6.8#





#35

Benzene

Concen: 1.081 ug/l

RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VU037130.D

Acq: 09 Mar 2020 12:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 78 Resp: 18576

Ion Ratio Lower Upper

78 100

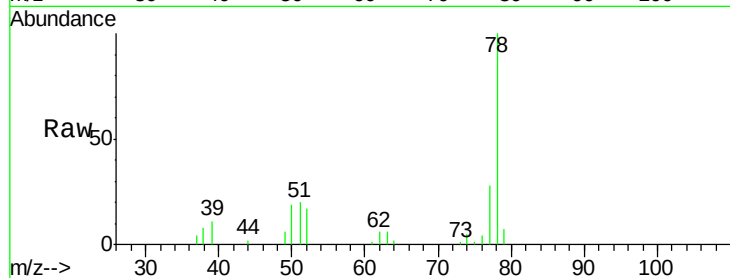
77 28.2 19.4 29.0

Manual Integrations

APPROVED

sam

3/10/2020 3:06:19 PM



Abundance Ion 78.10 (77.80 to 78.80): VU0

Ion 77.00 (76.70 to 77.70): VU0

10000

8000

6000

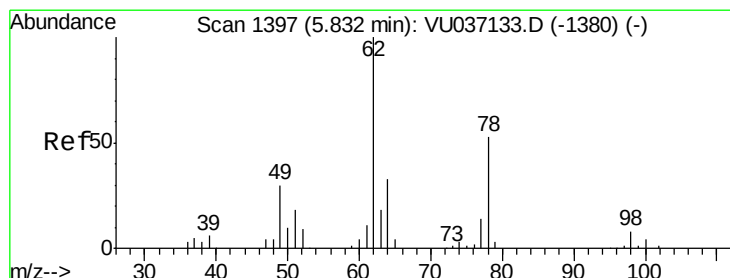
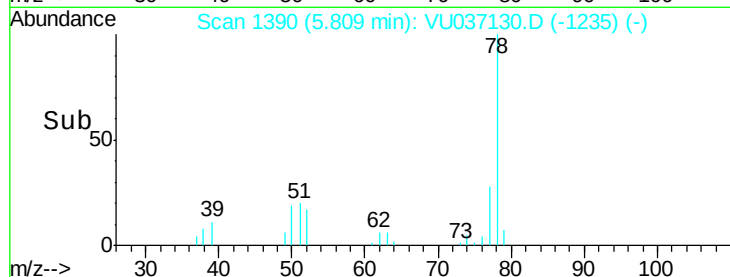
4000

2000

0

5.75 5.80 5.85 5.90

Time-->



#36

1,2-Dichloroethane

Concen: 1.496 ug/l

RT: 5.84 min Scan# 1398

Delta R.T. 0.00 min

Lab File: VU037130.D

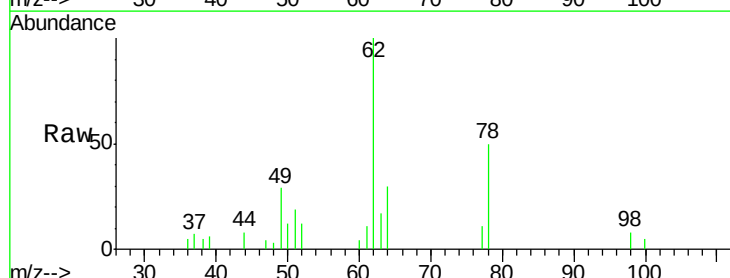
Acq: 09 Mar 2020 12:58

Tgt Ion: 62 Resp: 6923

Ion Ratio Lower Upper

62 100

98 7.3 7.8 11.8#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

3000

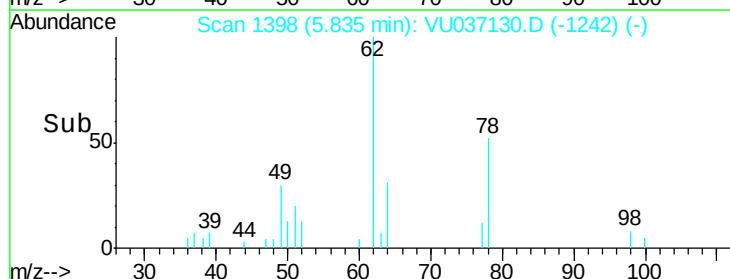
2000

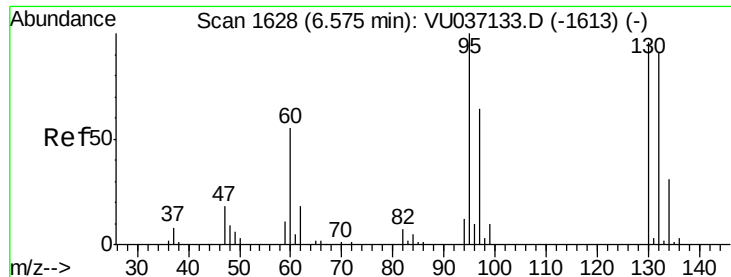
1000

0

5.80 5.85 5.90

Time-->





#37
 Trichloroethene
 Concen: 1.085 ug/l
 RT: 6.57 min Scan# 1628
 Delta R.T. -0.00 min
 Lab File: VU037130.D
 Acq: 09 Mar 2020 12:58

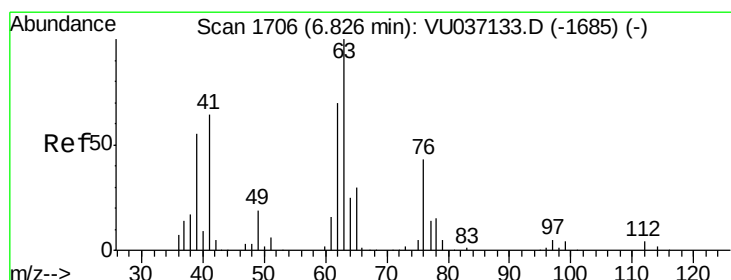
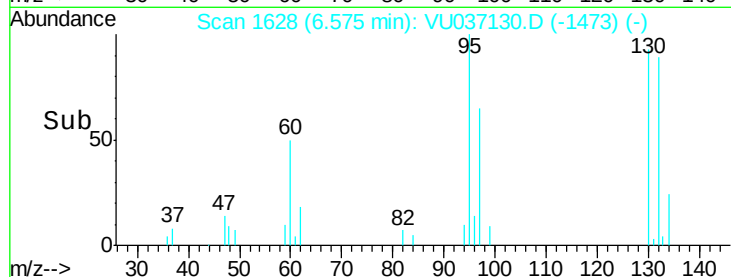
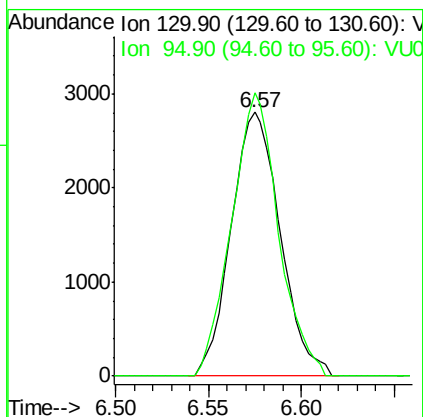
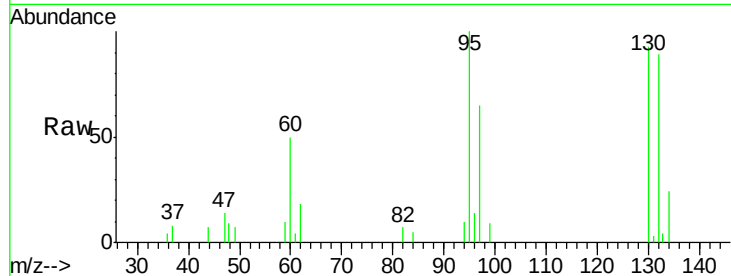
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion:130 Resp: 5149
 Ion Ratio Lower Upper
 130 100
 95 107.3 77.0 115.4

Manual Integrations
 APPROVED

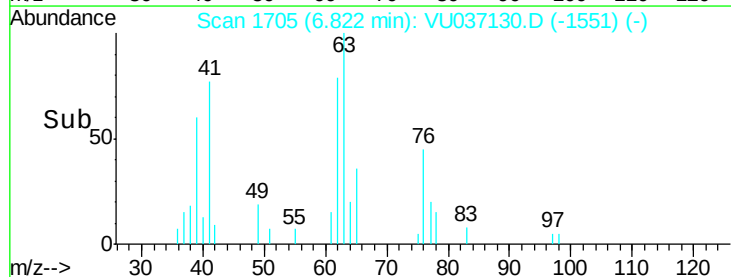
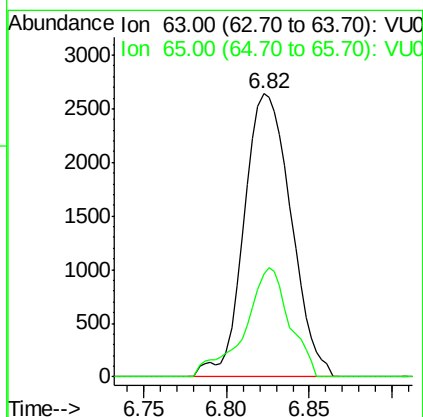
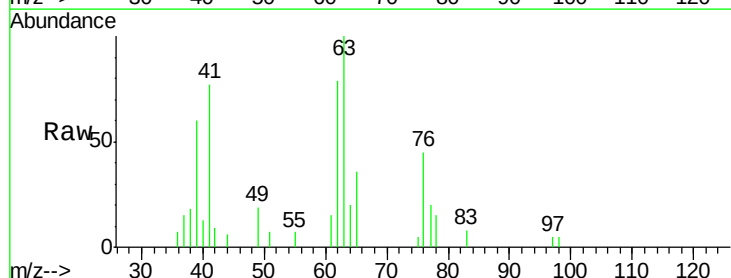
sam

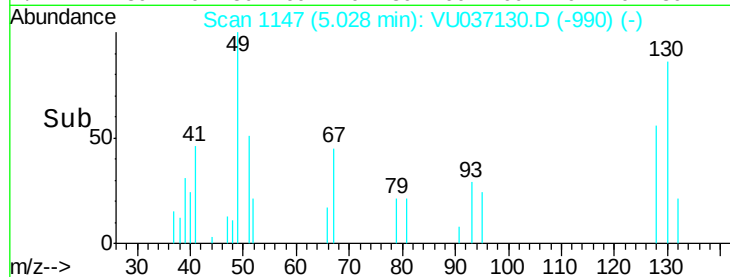
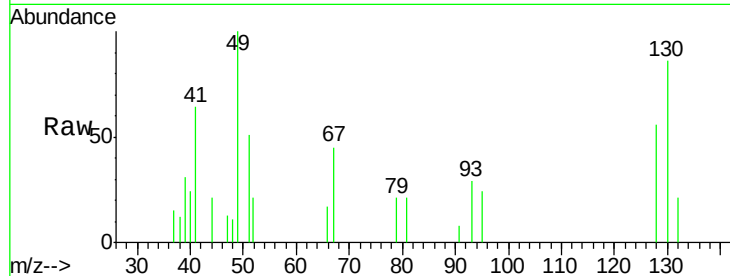
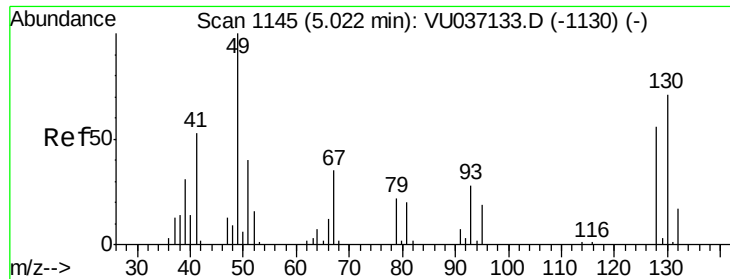
3/10/2020 3:06:19 PM



#38
 1,2-Dichloropropane
 Concen: 1.207 ug/l
 RT: 6.82 min Scan# 1705
 Delta R.T. -0.00 min
 Lab File: VU037130.D
 Acq: 09 Mar 2020 12:58

Tgt Ion: 63 Resp: 5214
 Ion Ratio Lower Upper
 63 100
 65 36.2 24.7 37.1





#39
Methacrylonitrile
Concen: 1.333 ug/l
RT: 5.03 min Scan# 1147
Delta R.T. 0.01 min
Lab File: VU037130.D
Acq: 09 Mar 2020 12:58

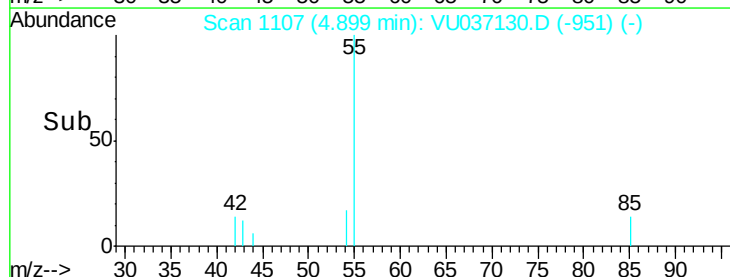
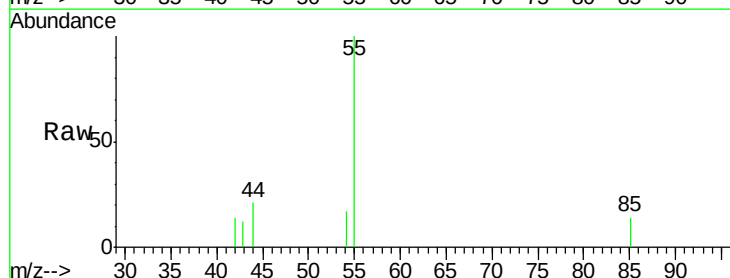
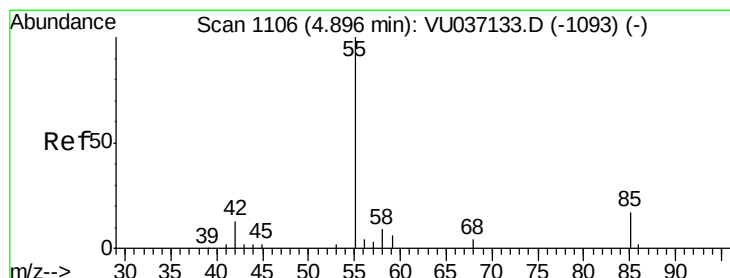
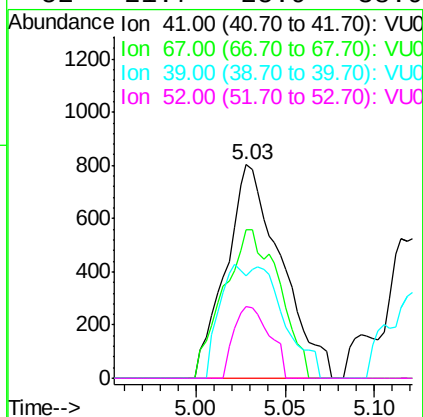
Tot Ion: 41 Resp: 1734
Ion Ratio Lower Upper
41 100
67 70.1 69.6 104.4
39 26.1 41.6 62.4#
52 21.7 25.9 38.9#

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Manual Integrations
APPROVED

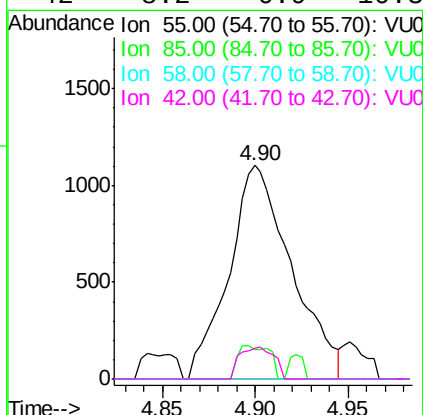
sam

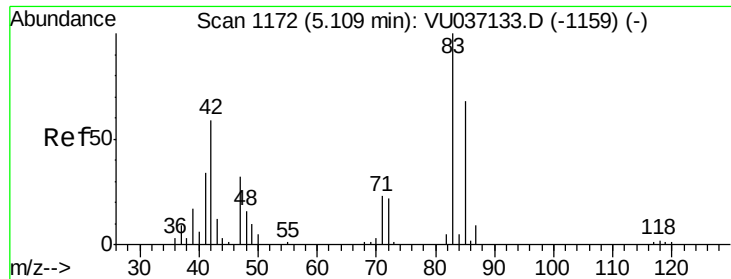
3/10/2020 3:06:19 PM



#40
Methyl acrylate
Concen: 1.257 ug/l
RT: 4.90 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU037130.D
Acq: 09 Mar 2020 12:58

Tgt Ion: 55 Resp: 2593
Ion Ratio Lower Upper
55 100
85 7.9 14.7 22.1#
58 0.0 7.1 10.7#
42 8.2 6.9 10.3





#41

Tetrahydrofuran

Concen: 2.663 ug/l

RT: 5.12 min Scan# 1177

Delta R.T. 0.02 min

Lab File: VU037130.D

Acq: 09 Mar 2020 12:58

Instrument :

MSVOA_U

ClientSampleId :

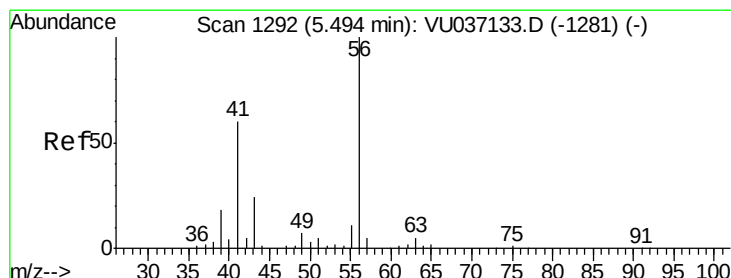
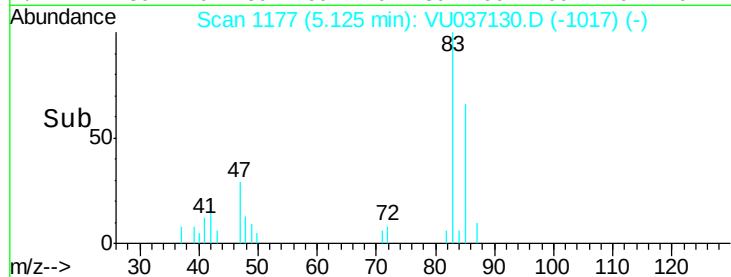
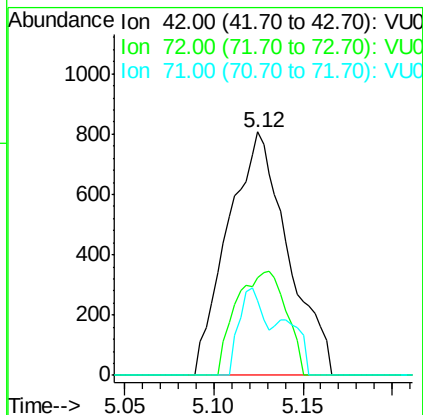
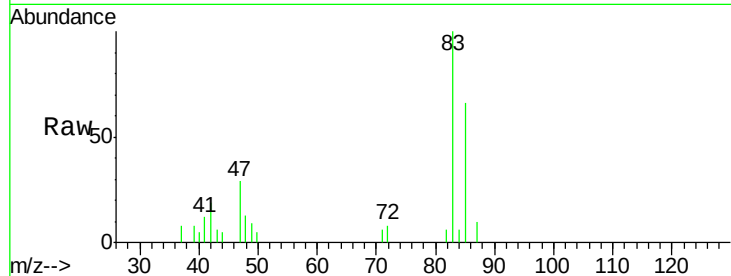
VSTDIC001

Tot Ion:	42	Resp:	1888
Ion	Ratio	Lower	Upper
42	100		
72	35.7	42.5	63.7#
71	15.1	37.3	55.9#

Manual Integrations
APPROVED

sam

3/10/2020 3:06:19 PM



#42

1-Chlorobutane

Concen: 1.230 ug/l

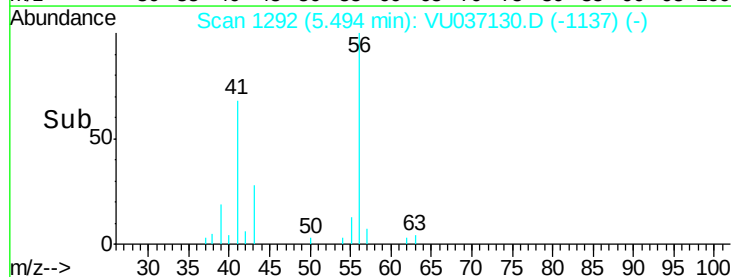
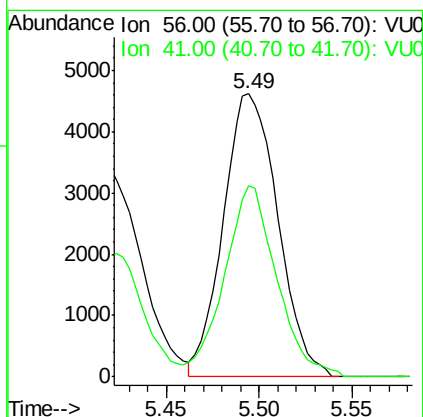
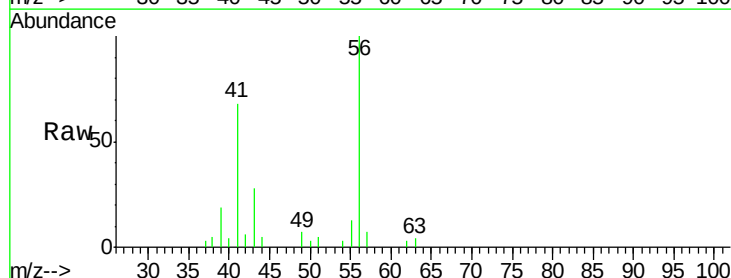
RT: 5.49 min Scan# 1292

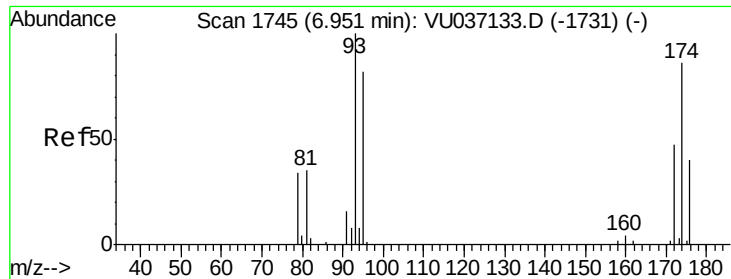
Delta R.T. -0.00 min

Lab File: VU037130.D

Acq: 09 Mar 2020 12:58

Tgt Ion:	56	Resp:	9460
Ion	Ratio	Lower	Upper
56	100		
41	64.8	24.8	74.3





#43
Dibromomethane
Concen: 1.213 ug/l
RT: 6.95 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VU037130.D
Acq: 09 Mar 2020 12:58

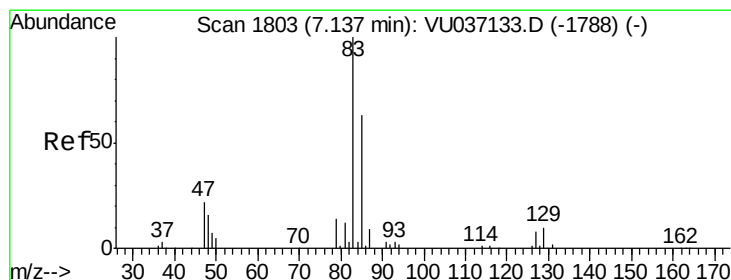
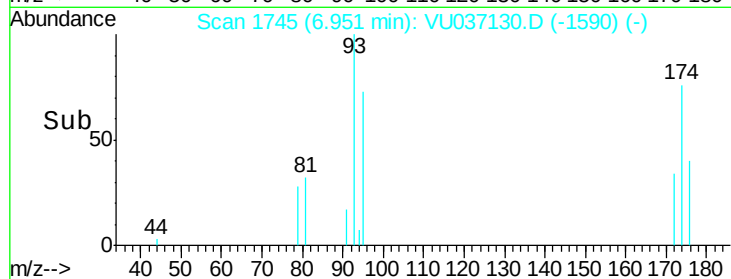
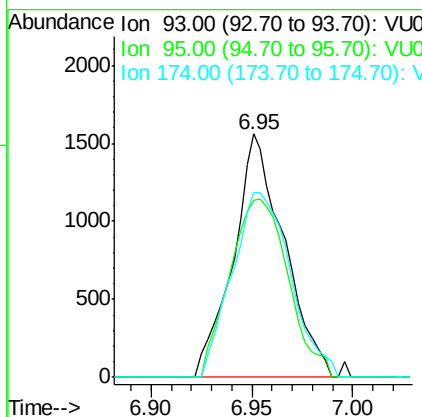
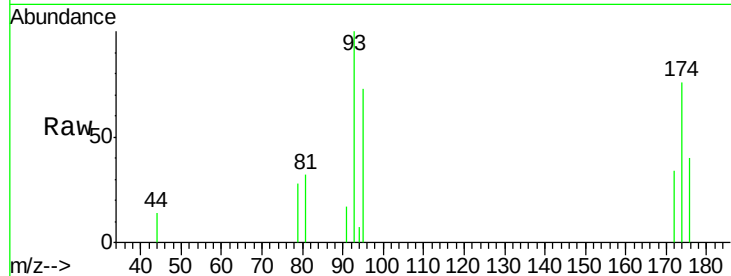
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
93	100		
95	84.4	67.9	101.9
174	87.8	83.4	125.0

Manual Integrations
APPROVED

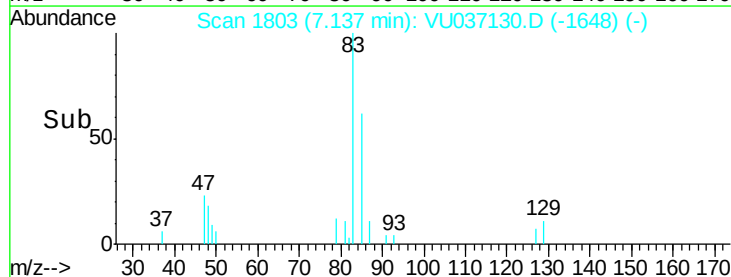
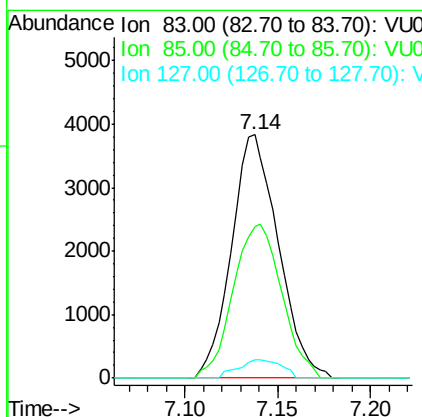
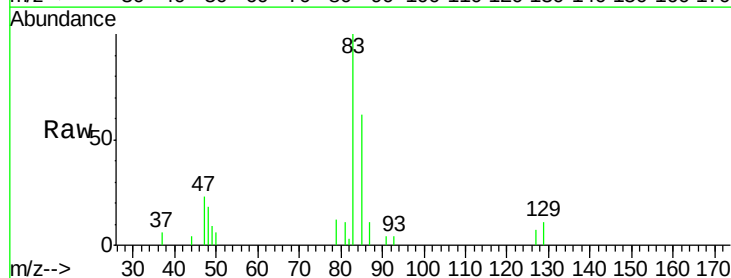
sam

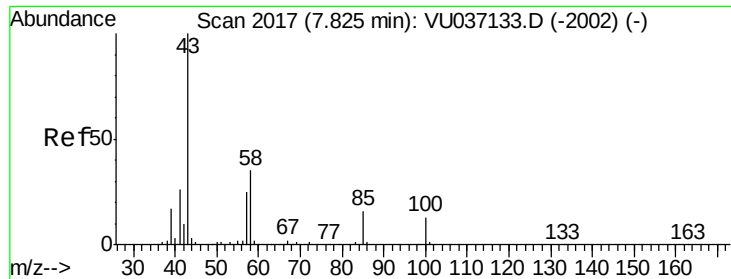
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#44
Bromodichloromethane
Concen: 1.258 ug/l
RT: 7.14 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VU037130.D
Acq: 09 Mar 2020 12:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.4	51.8	77.6
127	7.4	6.8	10.2





#45

4-Methyl-2-Pentanone

Concen: 6.893 ug/l

RT: 7.83 min Scan# 2019

Delta R.T. 0.01 min

Lab File: VU037130.D

Acq: 09 Mar 2020 12:58

Instrument :

MSVOA_U

ClientSampleId :

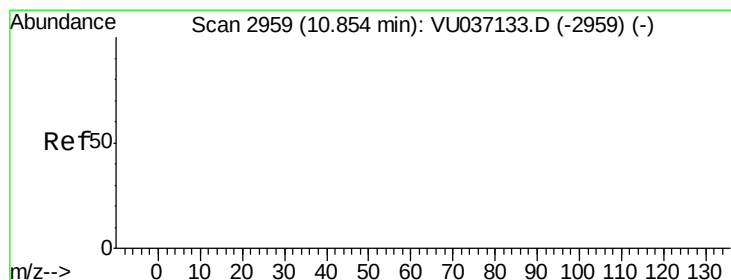
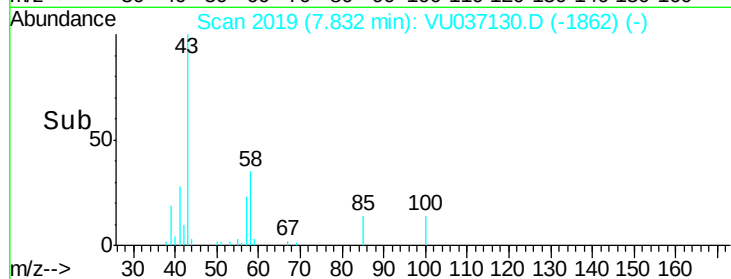
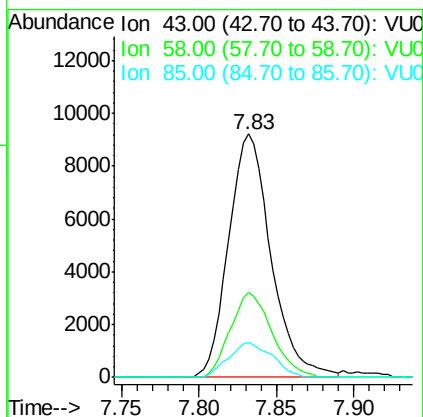
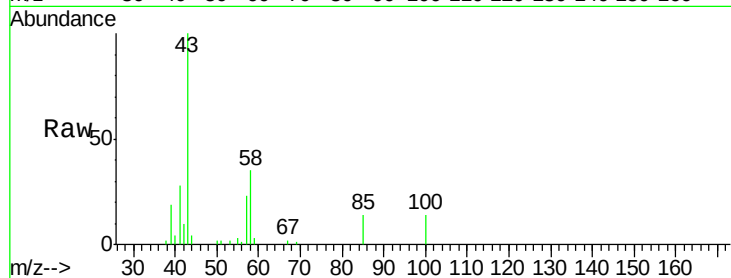
VSTDIC001

Tot Ion:	43	Resp:	17516
Ion	Ratio	Lower	Upper
43	100		
58	34.3	22.1	66.1
85	14.7	17.4	26.0#

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#46

t-1,4-Dichloro-2-butene

Concen: 1.255 ug/l m

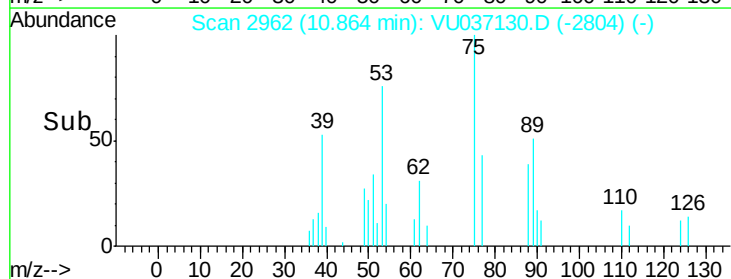
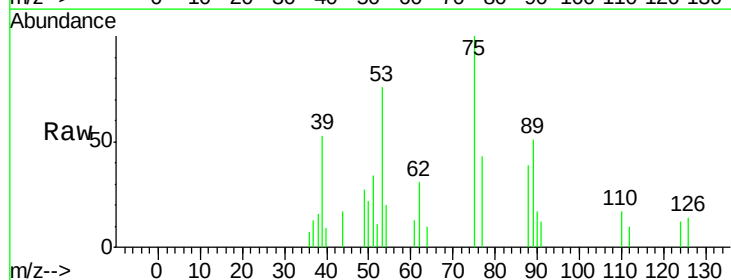
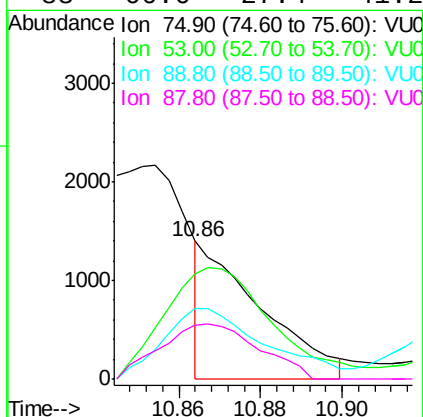
RT: 10.86 min Scan# 2962

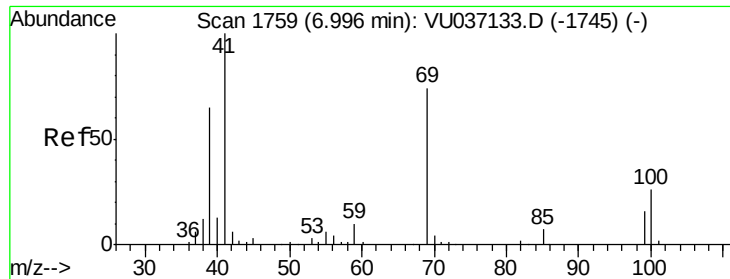
Delta R.T. 0.01 min

Lab File: VU037130.D

Acq: 09 Mar 2020 12:58

Tgt Ion:	75	Resp:	1405
Ion	Ratio	Lower	Upper
75	100		
53	147.3	52.2	78.2#
89	89.8	39.8	59.6#
88	66.6	27.4	41.2#





#47
Methvl methacrylate
Concen: 1.904 ug/l
RT: 7.00 min Scan# 1760
Delta R.T. 0.00 min
Lab File: VU037130.D
Acq: 09 Mar 2020 12:58

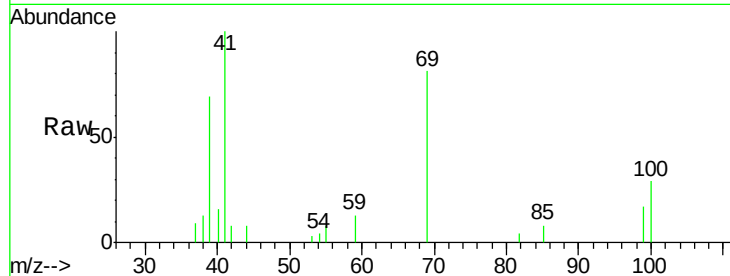
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion: 69 Resp: 4208
Ion Ratio Lower Upper
69 100
41 131.1 0.0 200.8
39 97.7 43.5 65.3#
100 33.7 31.1 46.7

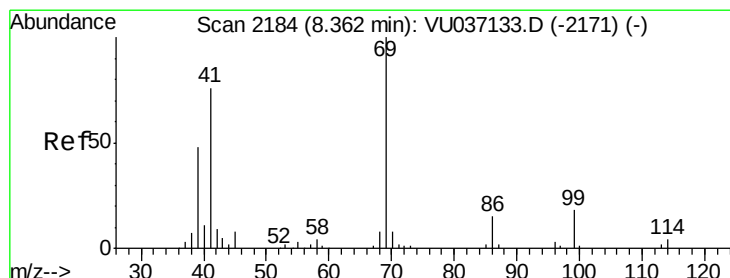
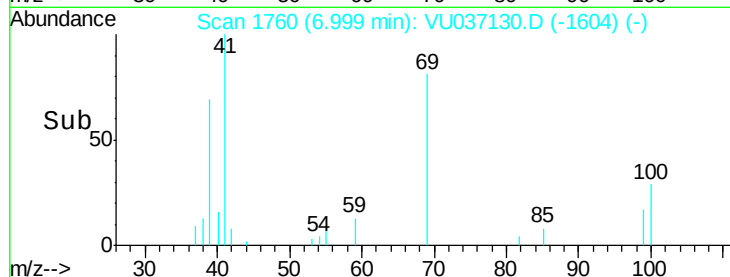
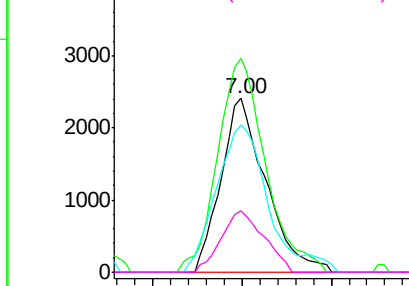
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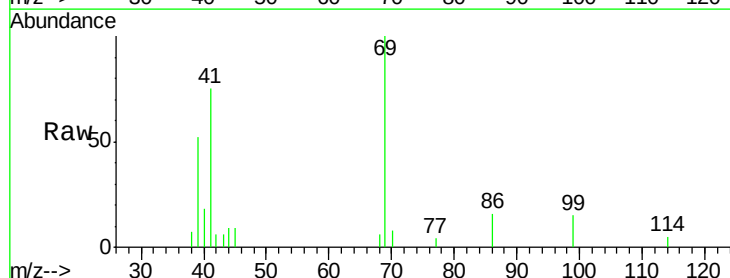


Abundance Ion 69.00 (68.70 to 69.70): VU0
Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

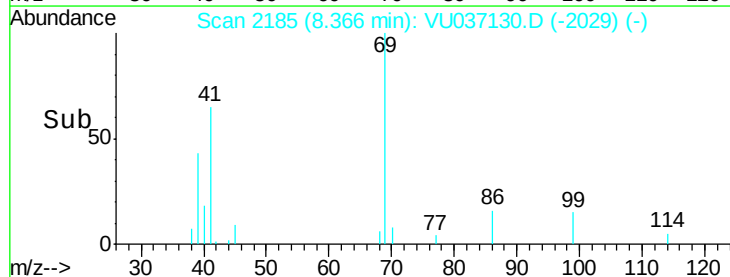
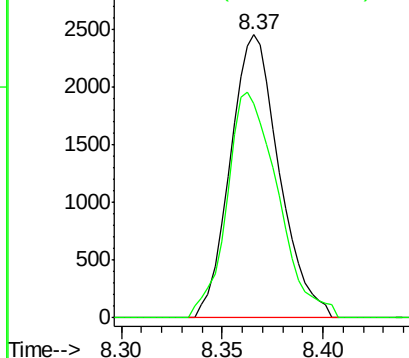


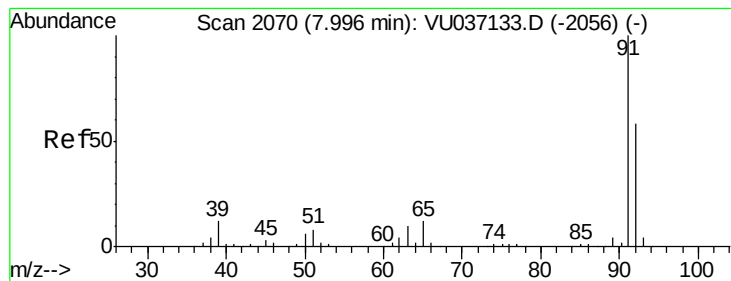
#48
Ethyl methacrylate
Concen: 0.973 ug/l
RT: 8.37 min Scan# 2185
Delta R.T. 0.00 min
Lab File: VU037130.D
Acq: 09 Mar 2020 12:58

Tgt Ion: 69 Resp: 4154
Ion Ratio Lower Upper
69 100
41 83.1 27.9 83.6



Abundance Ion 69.00 (68.70 to 69.70): VU0
Ion 41.00 (40.70 to 41.70): VU0





#49

Toluene

Concen: 0.977 ug/l

RT: 8.00 min Scan# 2070

Delta R.T. -0.00 min

Lab File: VU037130.D

Acq: 09 Mar 2020 12:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 92 Resp: 10721

Ion Ratio Lower Upper

92 100

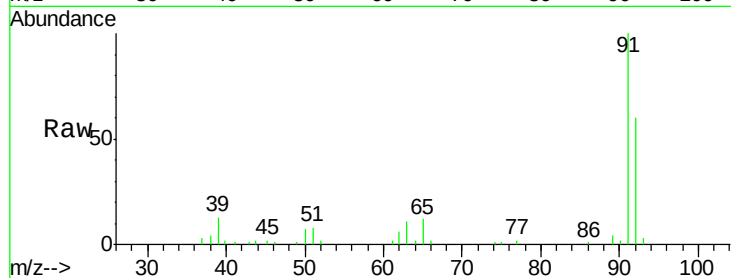
91 179.6 139.1 208.7

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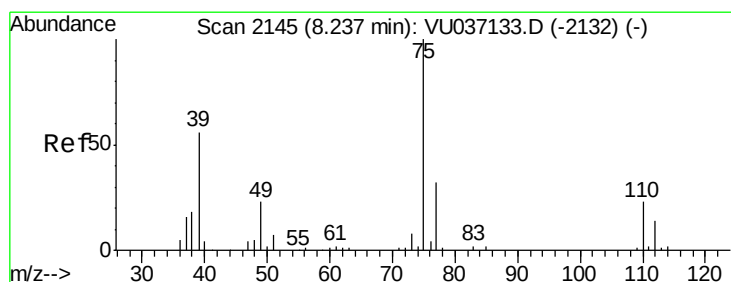
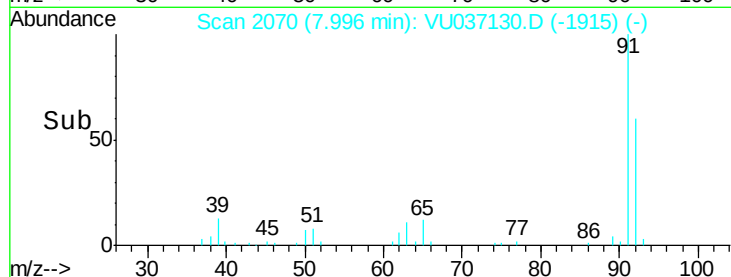
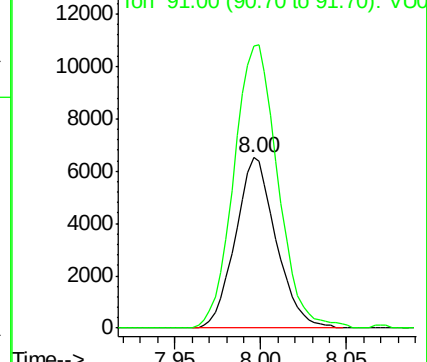
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Abundance Ion 92.00 (91.70 to 92.70): VU037133.D (-2056) (-)



#50

t-1,3-Dichloropropene

Concen: 1.160 ug/l

RT: 8.24 min Scan# 2146

Delta R.T. 0.00 min

Lab File: VU037130.D

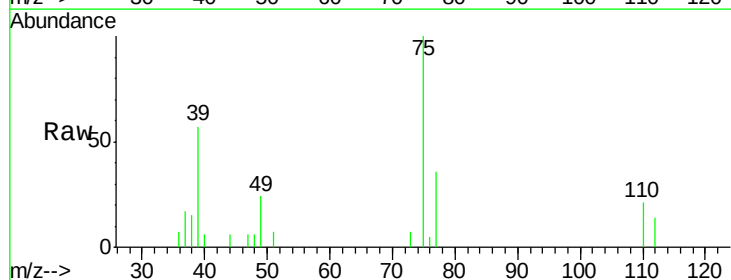
Acq: 09 Mar 2020 12:58

Tgt Ion: 75 Resp: 6167

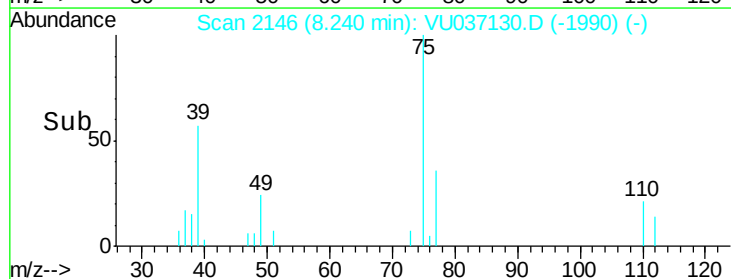
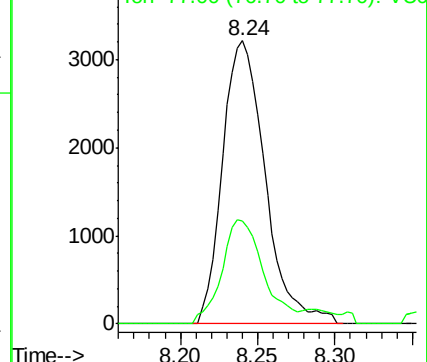
Ion Ratio Lower Upper

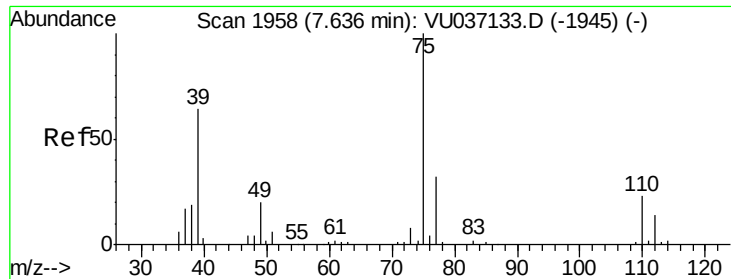
75 100

77 36.2 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU037133.D (-2132) (-)





#51
 cis-1,3-Dichloropropene
 Concen: 1.073 ug/l
 RT: 7.64 min Scan# 1958
 Delta R.T. -0.00 min
 Lab File: VU037130.D
 Acq: 09 Mar 2020 12:58

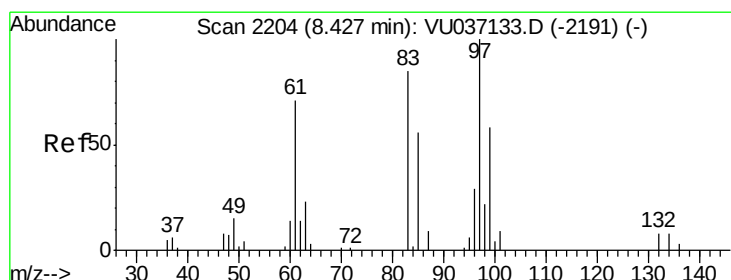
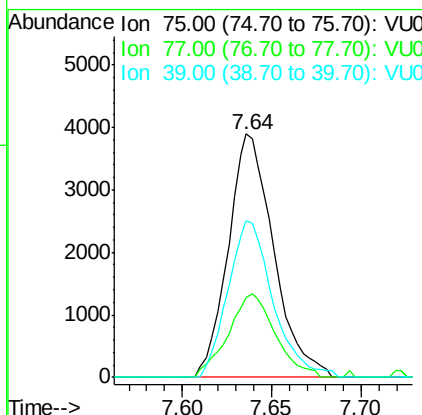
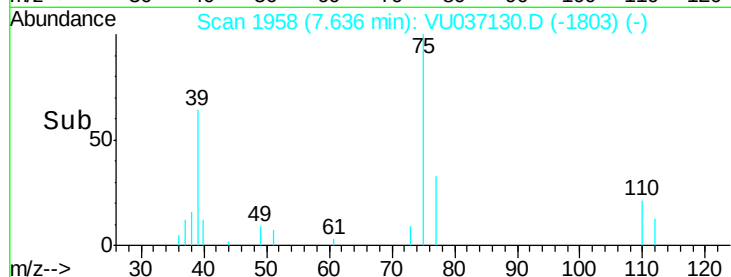
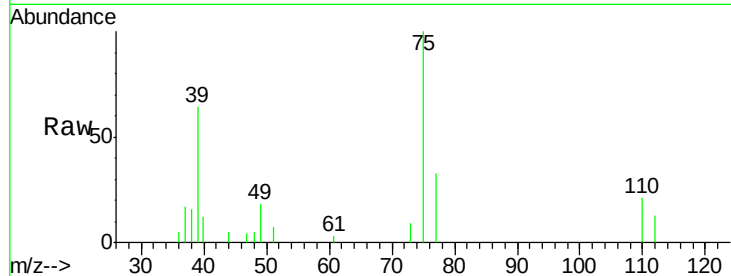
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.3	37.9
39	64.1	31.8	47.6

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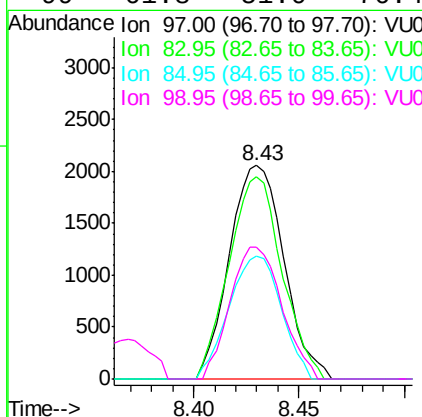
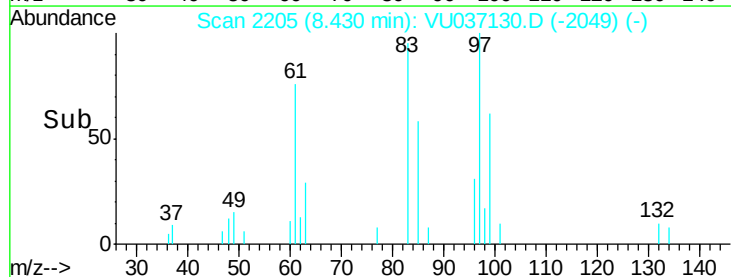
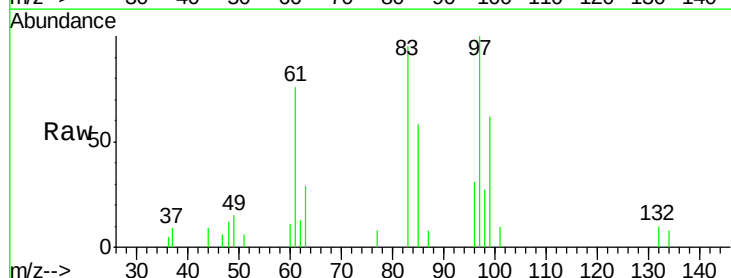
sam

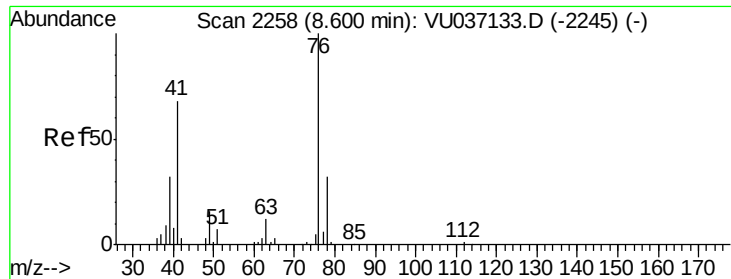
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#52
 1,1,2-Trichloroethane
 Concen: 1.157 ug/l
 RT: 8.43 min Scan# 2205
 Delta R.T. 0.00 min
 Lab File: VU037130.D
 Acq: 09 Mar 2020 12:58

Tgt Ion	Ratio	Lower	Upper
97	100		
83	94.5	70.9	106.3
85	57.8	45.6	68.4
99	61.8	51.0	76.4





#53
 1,3-Dichloropropane
 Concen: 1.173 ug/l
 RT: 8.60 min Scan# 2259
 Delta R.T. 0.00 min
 Lab File: VU037130.D
 Acq: 09 Mar 2020 12:58

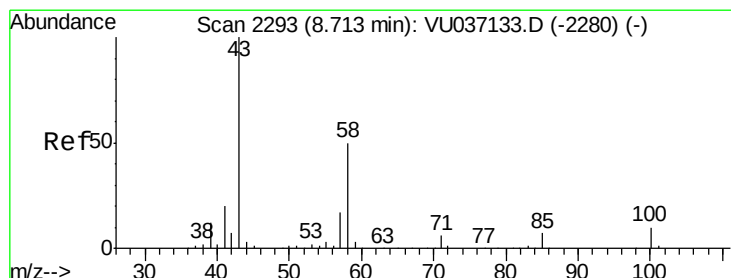
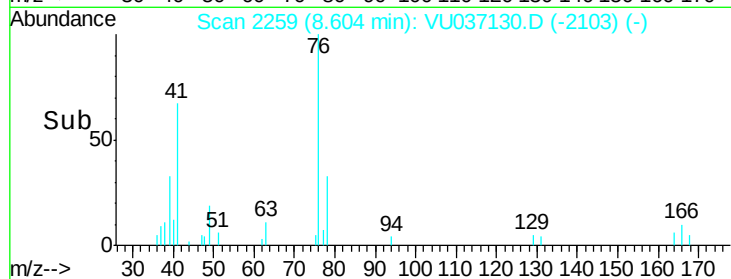
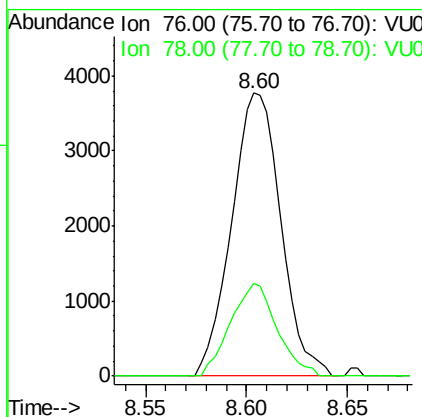
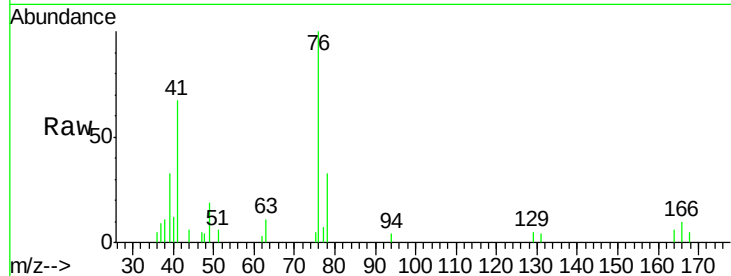
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
76	100		
78	30.9	25.4	38.2

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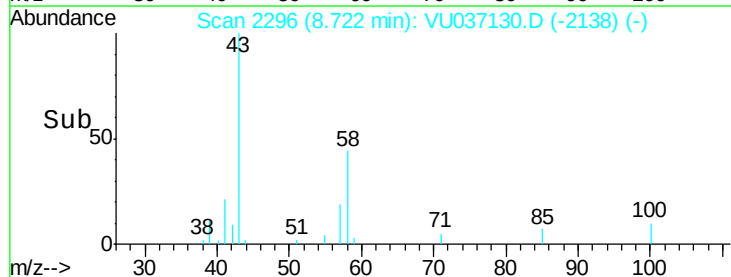
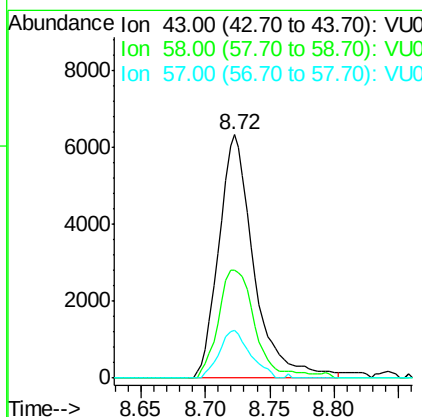
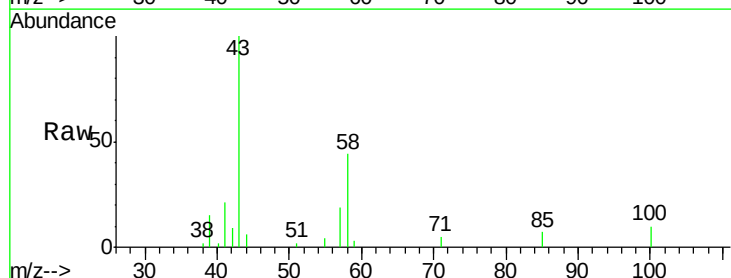
sam

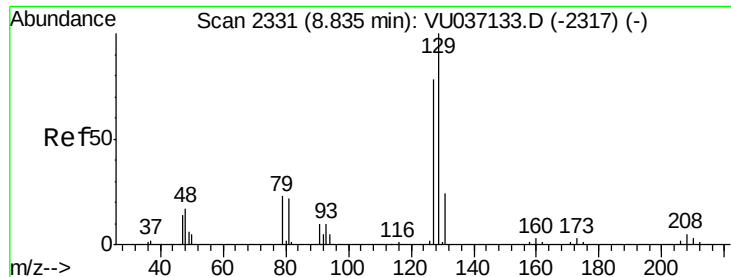
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#54
 2-Hexanone
 Concen: 6.688 ug/l
 RT: 8.72 min Scan# 2296
 Delta R.T. 0.01 min
 Lab File: VU037130.D
 Acq: 09 Mar 2020 12:58

Tgt Ion	Ratio	Lower	Upper
43	100		
58	46.5	40.6	80.6
57	17.3	1.2	41.2





#55
Dibromochloromethane
Concen: 1.127 ug/l
RT: 8.84 min Scan# 2332
Delta R.T. 0.00 min
Lab File: VU037130.D
Acq: 09 Mar 2020 12:58

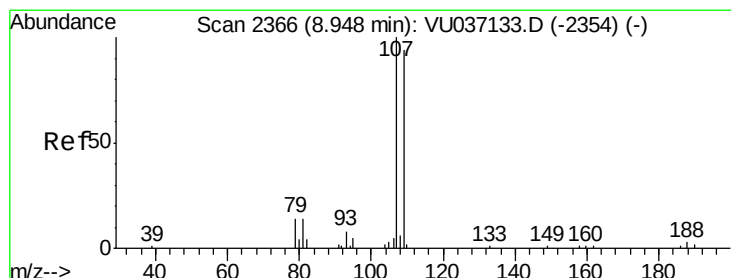
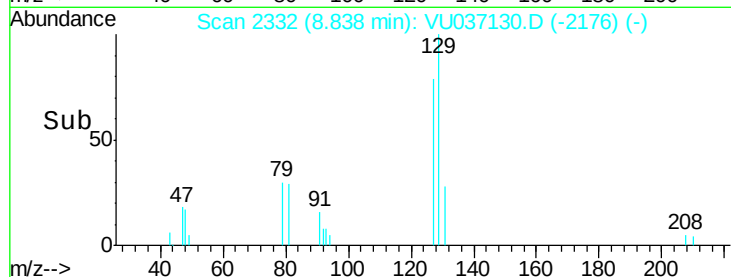
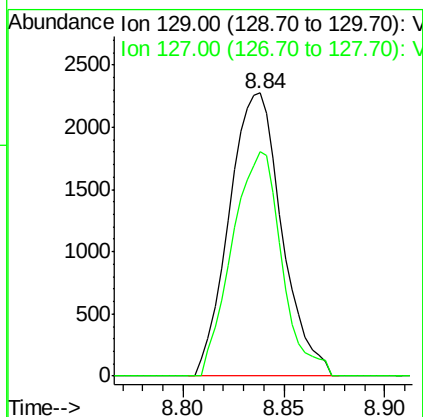
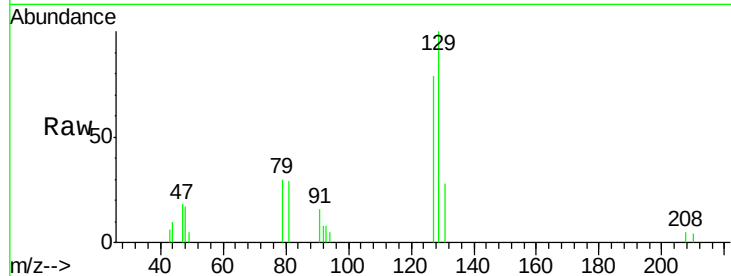
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion:129 Resp: 4151
Ion Ratio Lower Upper
129 100
127 74.9 62.6 94.0

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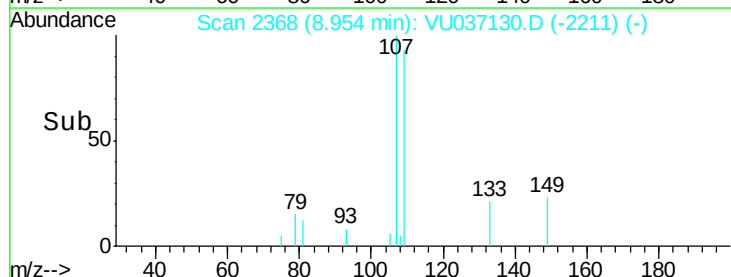
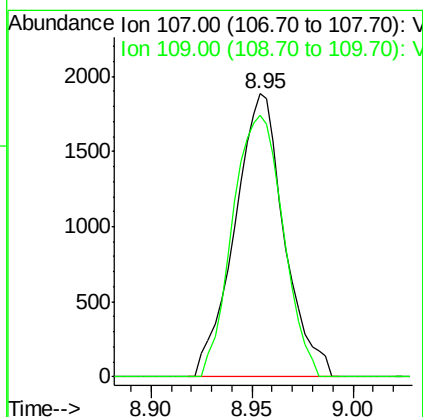
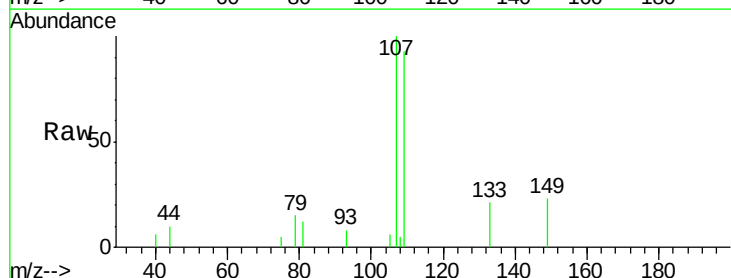
sam

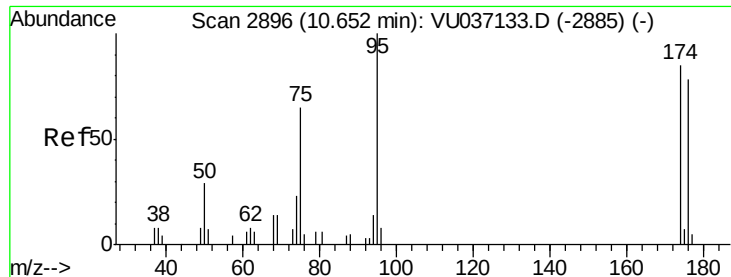
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#56
1,2-Dibromoethane
Concen: 1.052 ug/l
RT: 8.95 min Scan# 2368
Delta R.T. 0.01 min
Lab File: VU037130.D
Acq: 09 Mar 2020 12:58

Tgt Ion:107 Resp: 3241
Ion Ratio Lower Upper
107 100
109 94.2 0.0 190.8





#57
4-Bromofluorobenzene
Concen: 1.079 ug/l
RT: 10.65 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VU037130.D
Acq: 09 Mar 2020 12:58

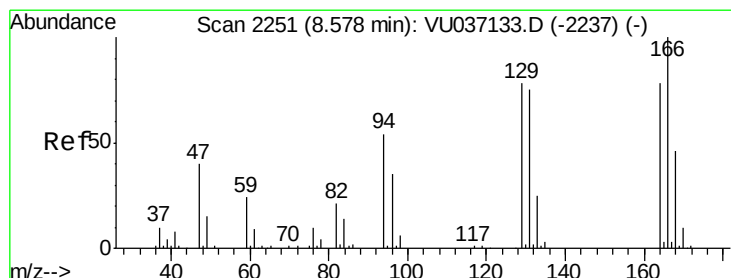
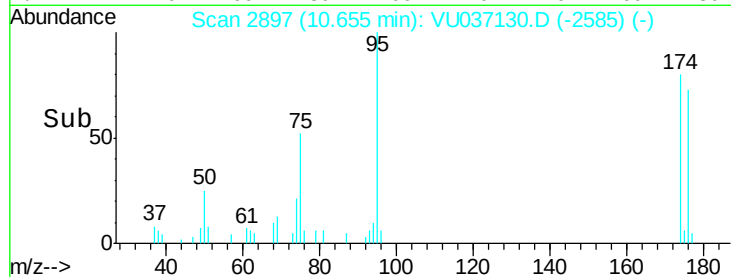
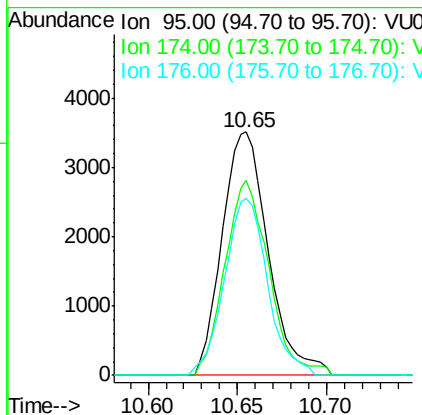
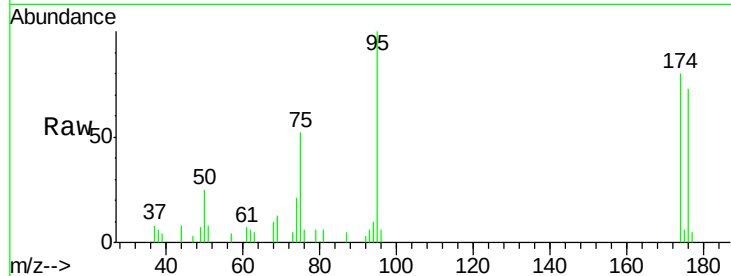
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion: 95 Resp: 6317
Ion Ratio Lower Upper
95 100
174 76.5 64.7 97.1
176 68.0 60.6 91.0

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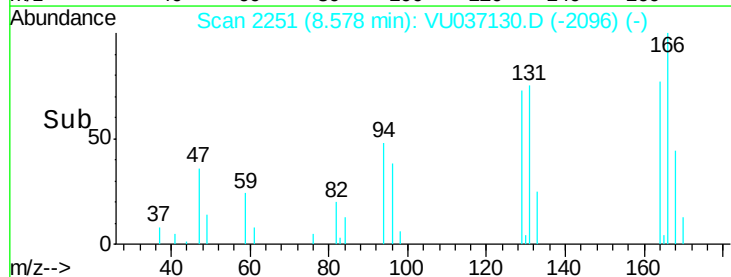
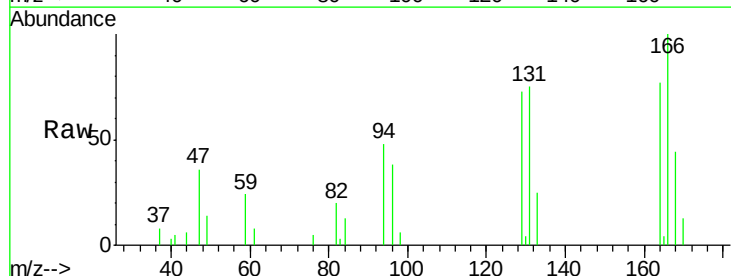
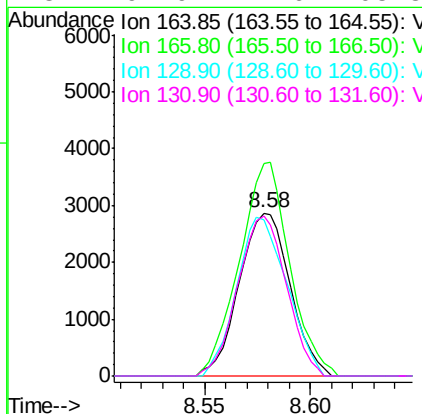
sam

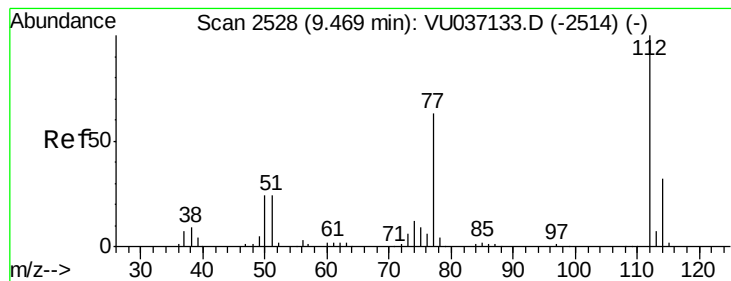
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#58
Tetrachloroethene
Concen: 1.013 ug/l
RT: 8.58 min Scan# 2251
Delta R.T. -0.00 min
Lab File: VU037130.D
Acq: 09 Mar 2020 12:58

Tgt Ion: 164 Resp: 4803
Ion Ratio Lower Upper
164 100
166 130.4 102.0 153.0
129 95.7 74.9 112.3
131 97.9 72.6 108.8





#59

Chlorobenzene

Concen: 1.029 ug/l

RT: 9.47 min Scan# 2529

Delta R.T. 0.00 min

Lab File: VU037130.D

Acq: 09 Mar 2020 12:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:112 Resp: 12580

Ion Ratio Lower Upper

112 100

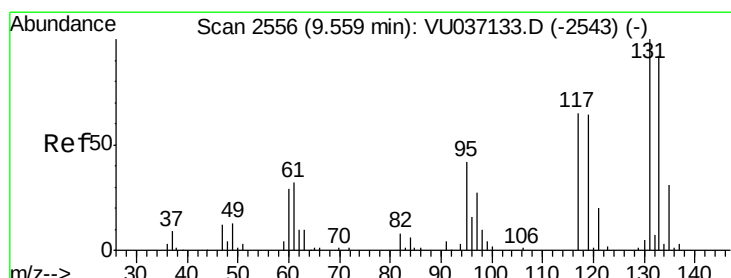
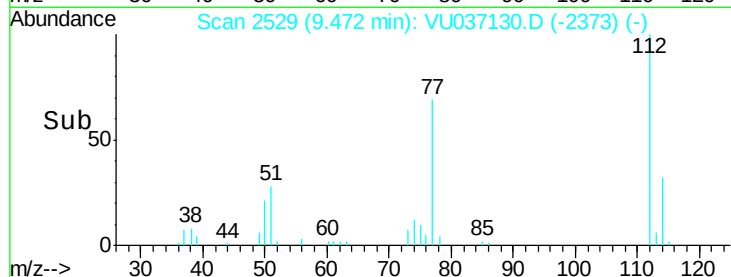
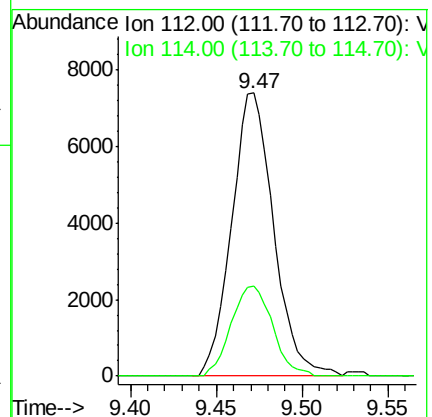
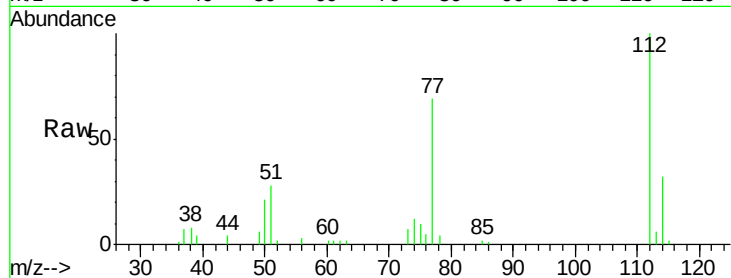
114 31.8 25.8 38.8

Manual Integrations

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#60

1,1,1,2-Tetrachloroethane

Concen: 1.182 ug/l

RT: 9.56 min Scan# 2556

Delta R.T. -0.00 min

Lab File: VU037130.D

Acq: 09 Mar 2020 12:58

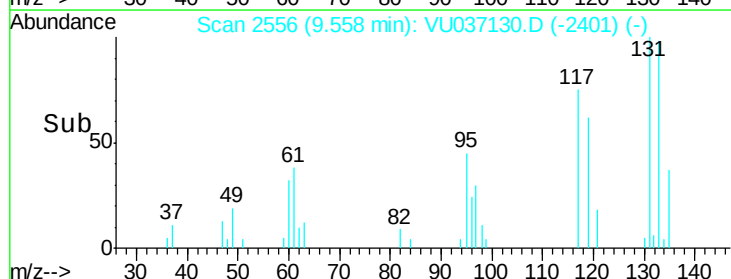
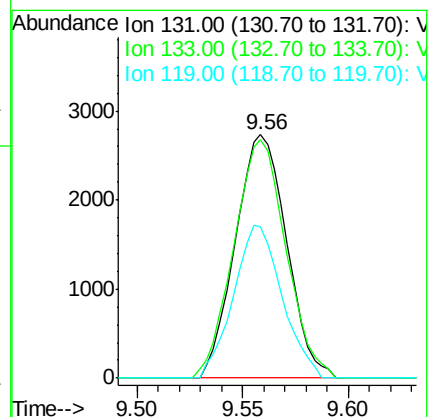
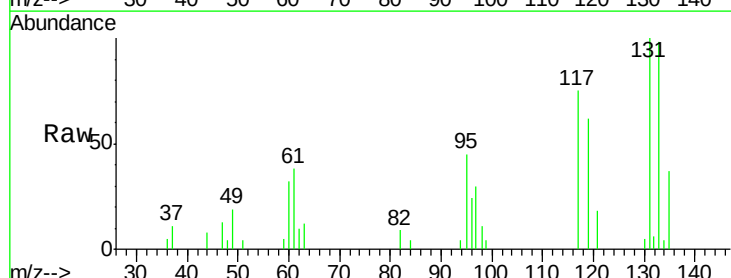
Tgt Ion:131 Resp: 4614

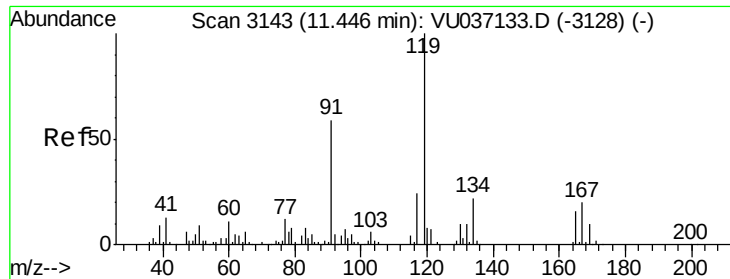
Ion Ratio Lower Upper

131 100

133 99.6 76.4 114.6

119 59.4 56.6 85.0





#61
 Pentachloroethane
 Concen: 1.385 ug/l
 RT: 11.44 min Scan# 3142
 Delta R.T. -0.00 min
 Lab File: VU037130.D
 Acq: 09 Mar 2020 12:58

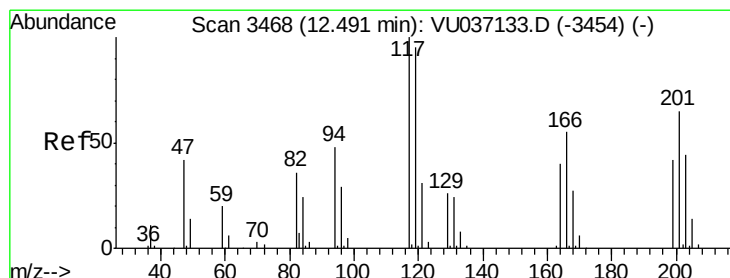
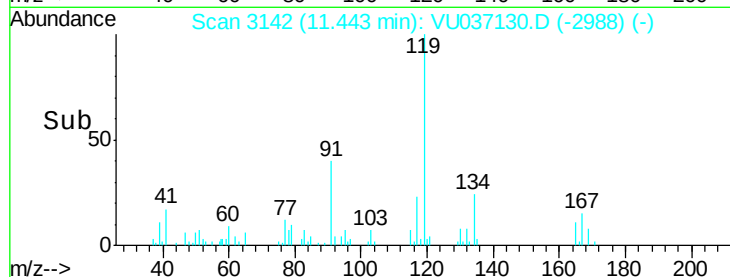
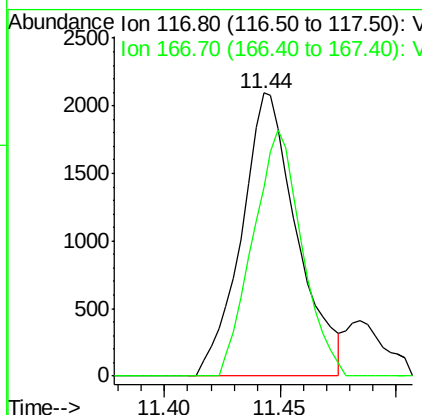
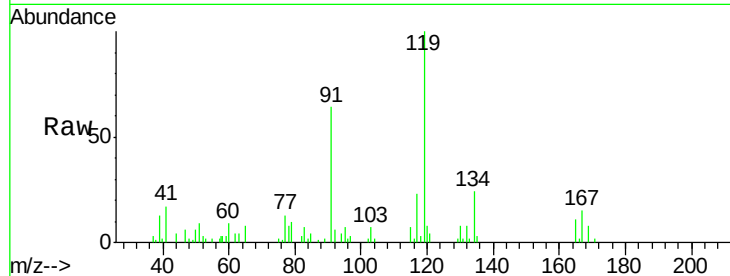
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion:117 Resp: 3488
 Ion Ratio Lower Upper
 117 100
 167 76.5 66.7 100.1

Manual Integrations
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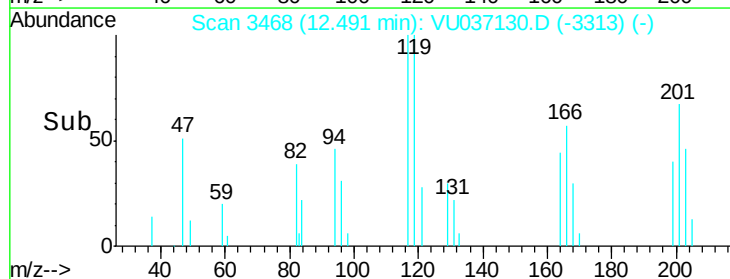
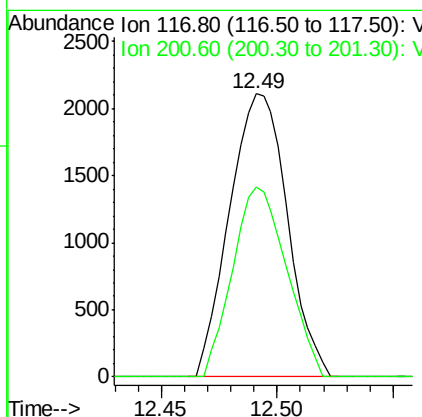
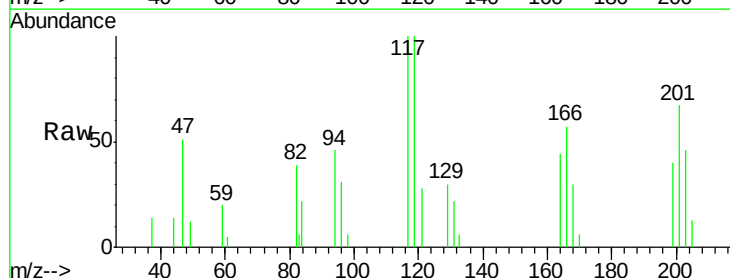
sam

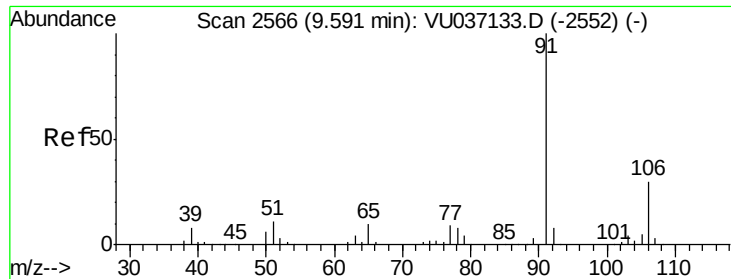
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#62
 Hexachloroethane
 Concen: 1.136 ug/l
 RT: 12.49 min Scan# 3468
 Delta R.T. -0.00 min
 Lab File: VU037130.D
 Acq: 09 Mar 2020 12:58

Tgt Ion:117 Resp: 3645
 Ion Ratio Lower Upper
 117 100
 201 62.7 65.0 97.4#





#63
Ethyl Benzene
Concen: 0.986 ug/l
RT: 9.59 min Scan# 2567
Delta R.T. 0.00 min
Lab File: VU037130.D
Acq: 09 Mar 2020 12:58

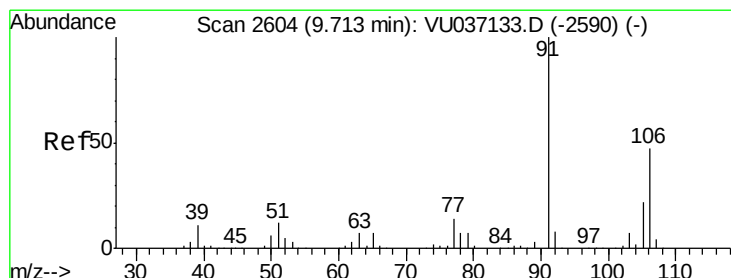
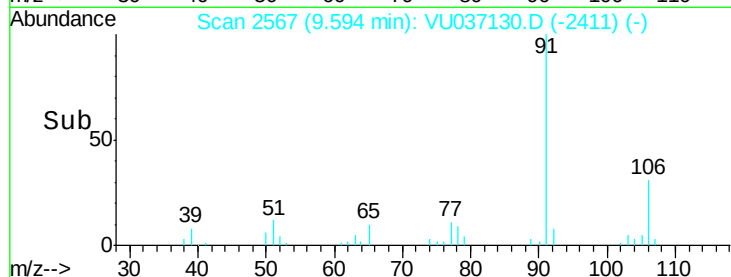
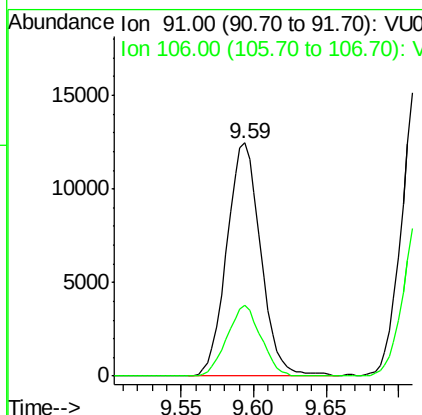
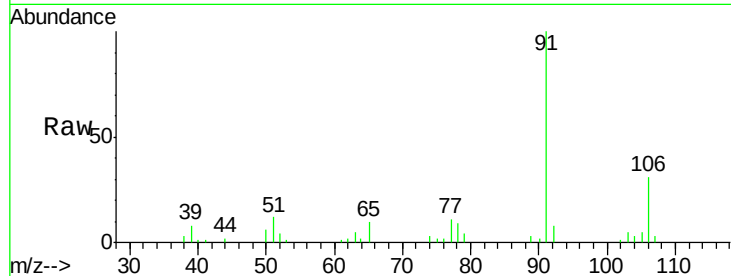
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion: 91 Resp: 20204
Ion Ratio Lower Upper
91 100
106 30.5 26.0 39.0

Manual Integrations
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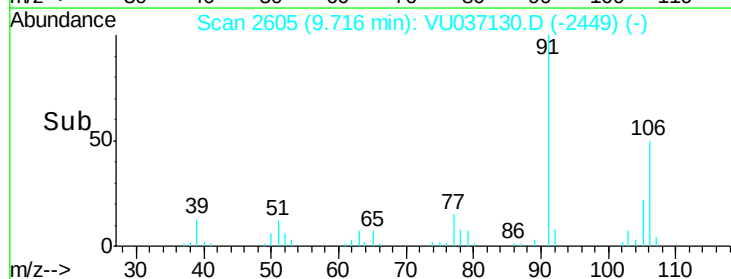
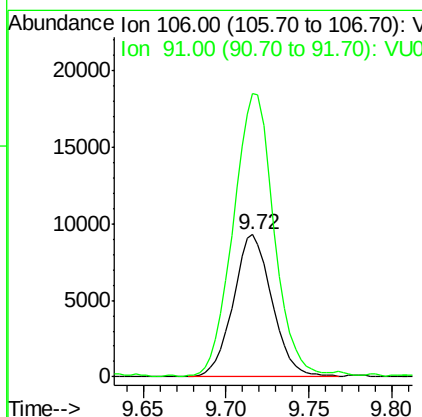
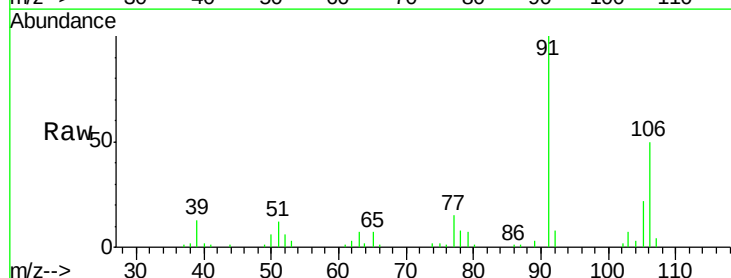
sam

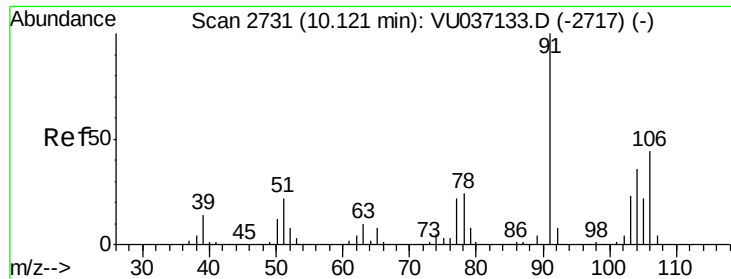
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#64
m/p-Xylenes
Concen: 1.869 ug/l
RT: 9.72 min Scan# 2605
Delta R.T. 0.00 min
Lab File: VU037130.D
Acq: 09 Mar 2020 12:58

Tgt Ion: 106 Resp: 15154
Ion Ratio Lower Upper
106 100
91 208.5 158.2 237.4





#65
o-Xylene
Concen: 0.945 ug/l
RT: 10.12 min Scan# 2731
Delta R.T. -0.00 min
Lab File: VU037130.D
Acq: 09 Mar 2020 12:58

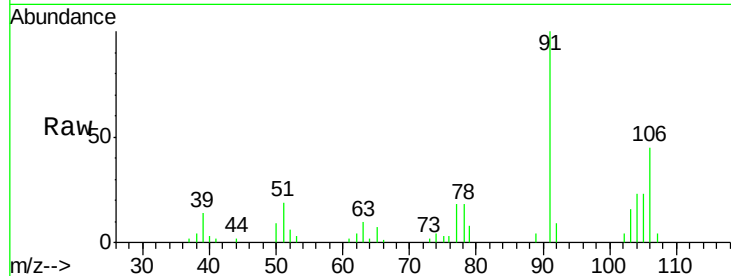
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion:106 Resp: 7417
Ion Ratio Lower Upper
106 100
91 221.4 104.3 312.9

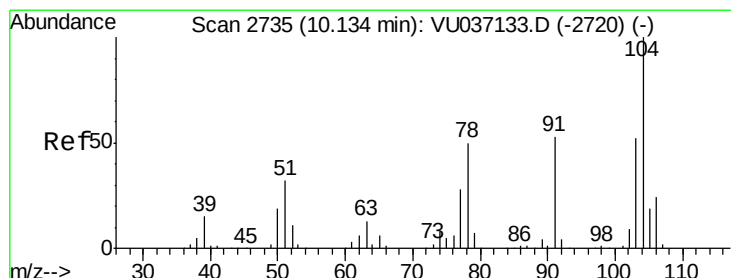
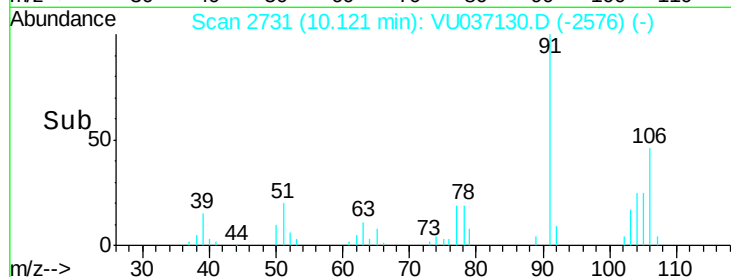
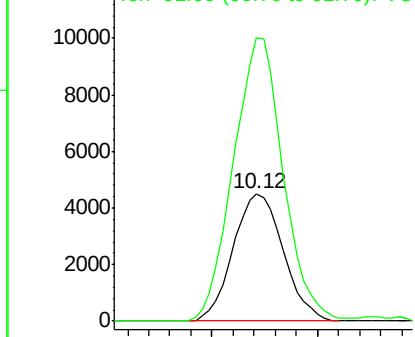
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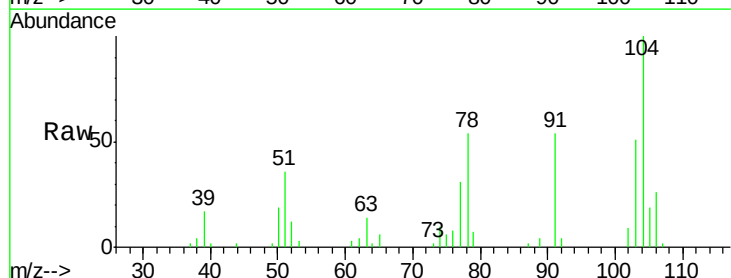


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

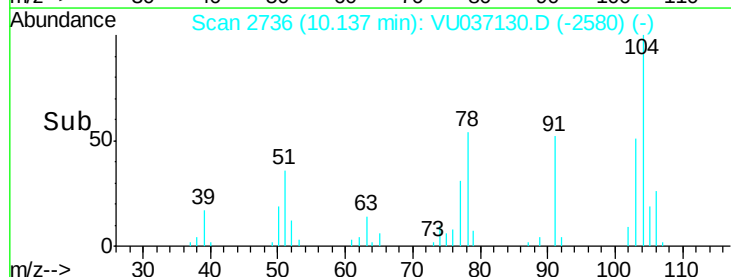
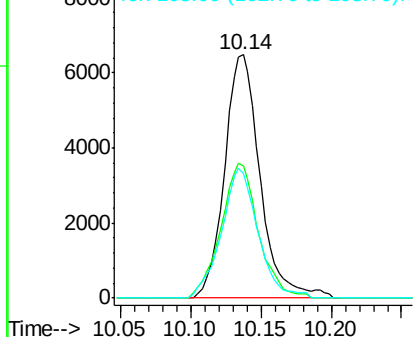


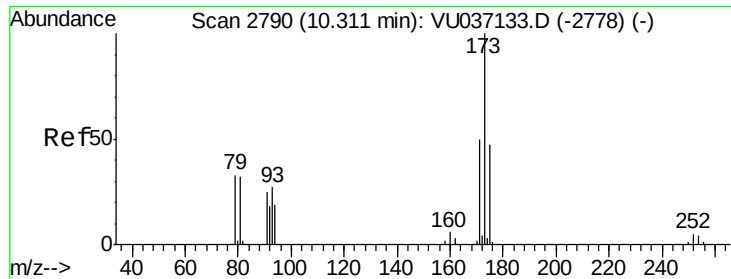
#66
Styrene
Concen: 0.867 ug/l
RT: 10.14 min Scan# 2736
Delta R.T. 0.00 min
Lab File: VU037130.D
Acq: 09 Mar 2020 12:58

Tgt Ion:104 Resp: 11398
Ion Ratio Lower Upper
104 100
78 58.4 38.6 57.8#
103 54.8 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: 1.018 ug/l

RT: 10.31 min Scan# 2791

Delta R.T. 0.00 min

Lab File: VU037130.D

Acq: 09 Mar 2020 12:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:173 Resp: 2148

Ion Ratio Lower Upper

173 100

175 48.4 38.3 57.5

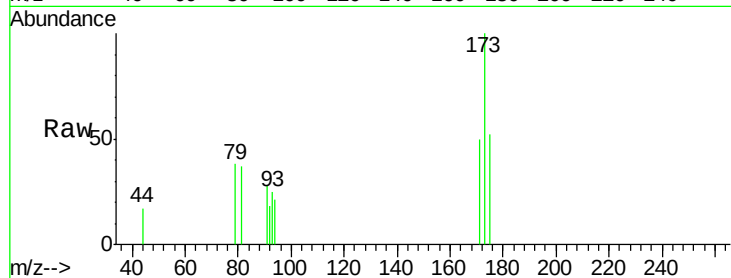
254 0.0 6.6 9.8#

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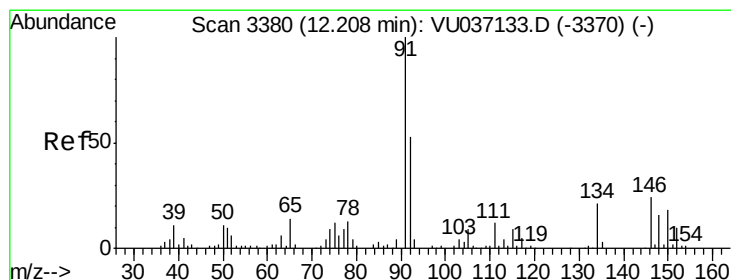
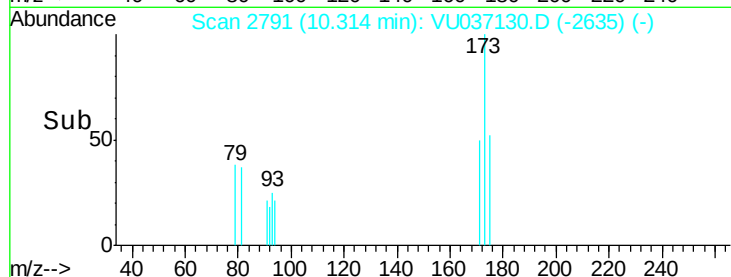
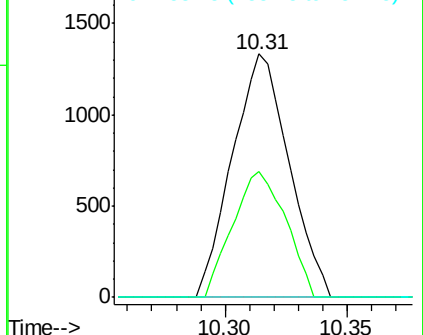
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Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V



#68

1,2-Dichlorobenzene-d4

Concen: 1.042 ug/l

RT: 12.21 min Scan# 3381

Delta R.T. 0.00 min

Lab File: VU037130.D

Acq: 09 Mar 2020 12:58

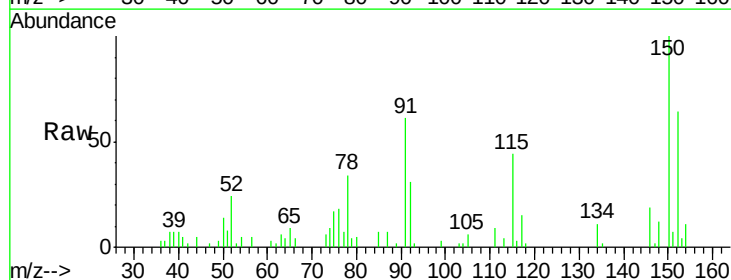
Tgt Ion:152 Resp: 6243

Ion Ratio Lower Upper

152 100

115 77.4 0.0 241.8

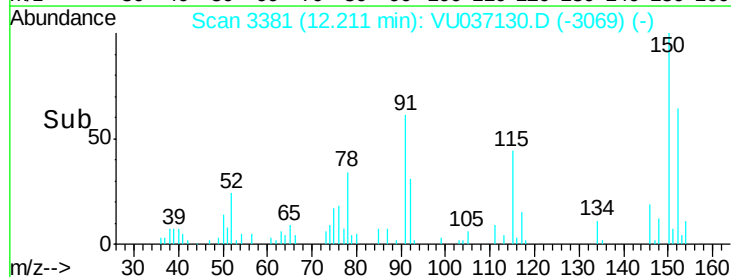
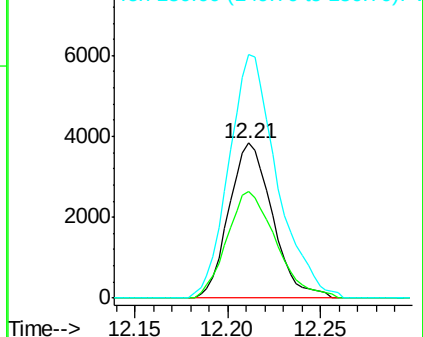
150 174.0 0.0 652.4

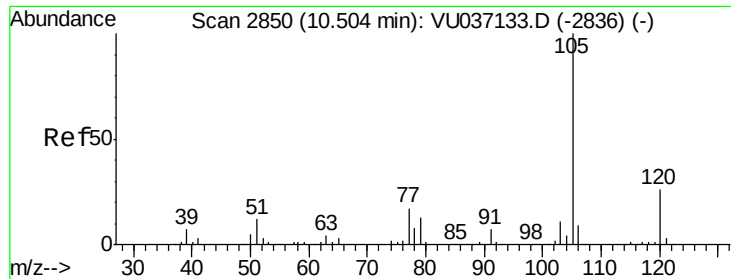


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 0.957 ug/l

RT: 10.50 min Scan# 2850

Delta R.T. -0.00 min

Lab File: VU037130.D

Acq: 09 Mar 2020 12:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 19736

Ion Ratio Lower Upper

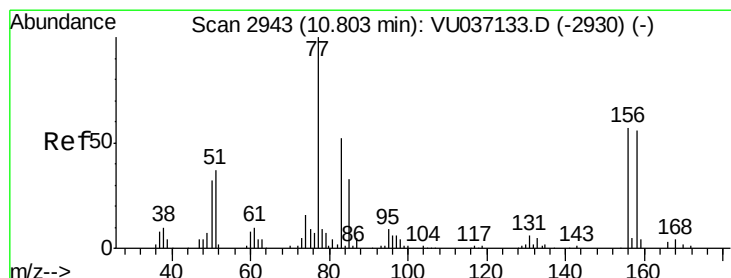
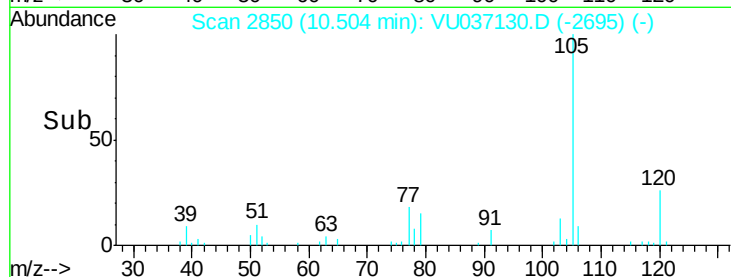
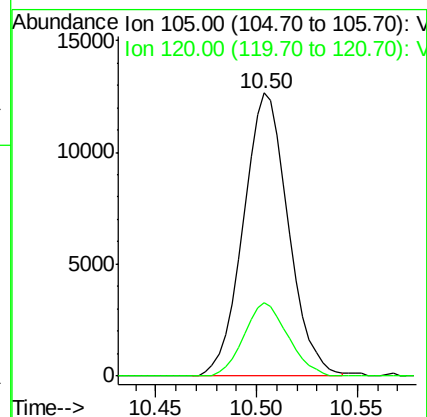
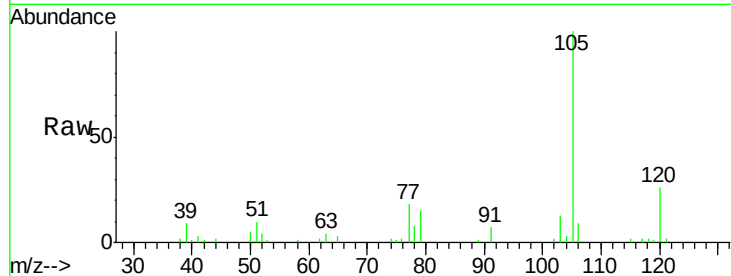
105 100

120 25.3 13.6 40.7

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#70

1,1,2,2-Tetrachloroethane

Concen: 1.171 ug/l

RT: 10.80 min Scan# 2943

Delta R.T. -0.00 min

Lab File: VU037130.D

Acq: 09 Mar 2020 12:58

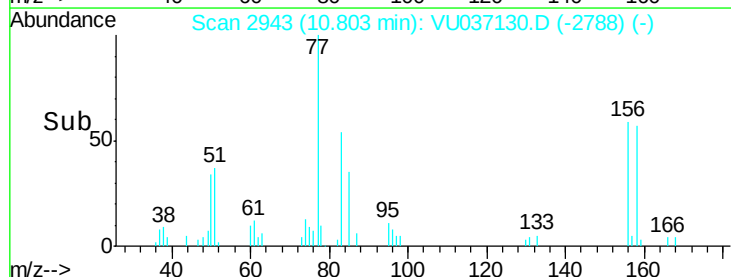
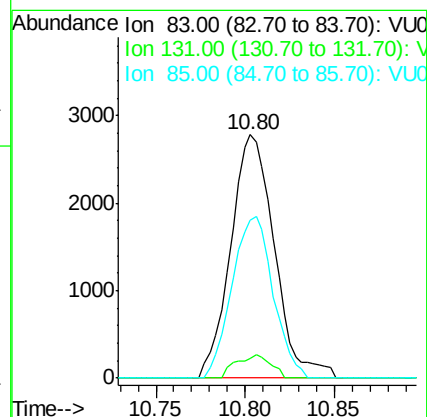
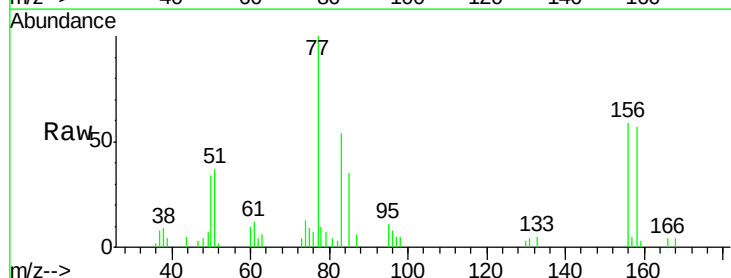
Tgt Ion: 83 Resp: 4728

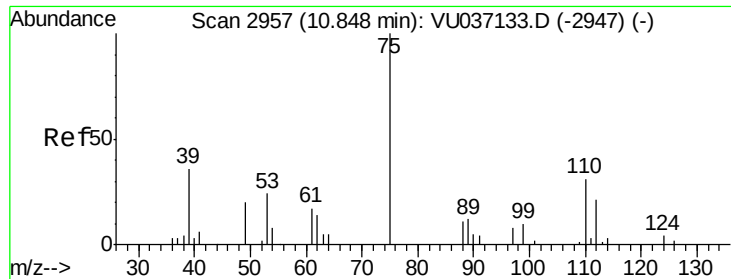
Ion Ratio Lower Upper

83 100

131 7.5 7.8 11.8#

85 62.3 53.2 79.8





#71
 1,2,3-Trichloropropane
 Concen: 1.431 ug/l m
 RT: 10.85 min Scan# 2959
 Delta R.T. 0.01 min
 Lab File: VU037130.D
 Acq: 09 Mar 2020 12:58

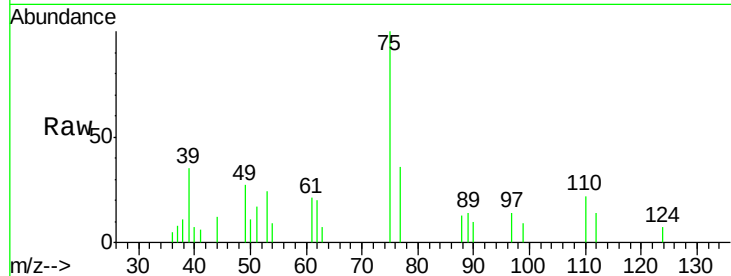
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion:	75	Resp:	4124
Ion	Ratio	Lower	Upper
75	100		
77	43.6	0.0	129.6
110	30.6	0.0	77.4
97	17.3	0.0	42.0

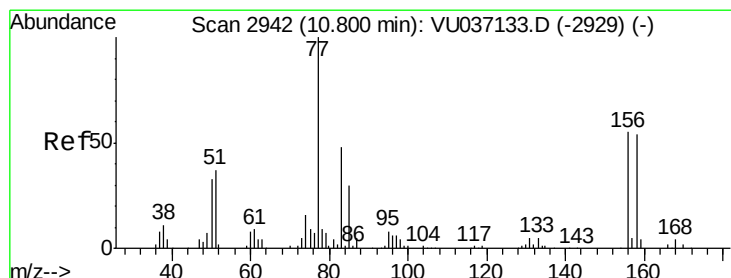
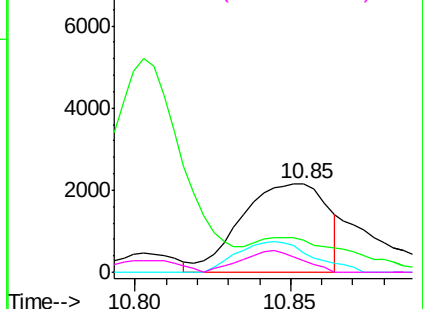
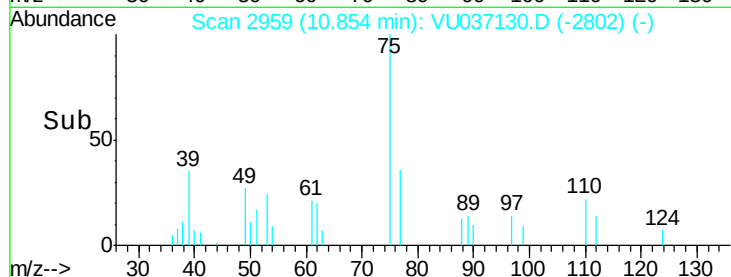
Manual Integrations
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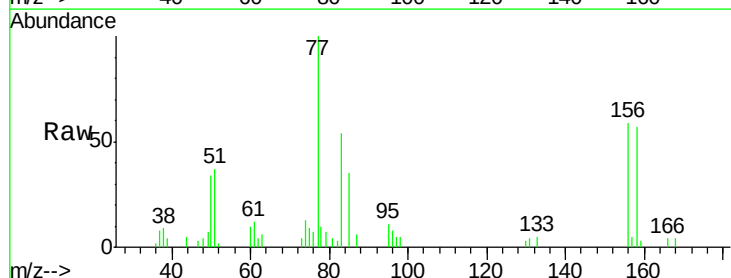


Abundance Ion 75.00 (74.70 to 75.70): VU037133.D (-2947) (-)
 Ion 77.00 (76.70 to 77.70): VU037133.D (-2947) (-)
 Ion 110.00 (109.70 to 110.70): VU037133.D (-2947) (-)
 Ion 97.00 (96.70 to 97.70): VU037133.D (-2947) (-)

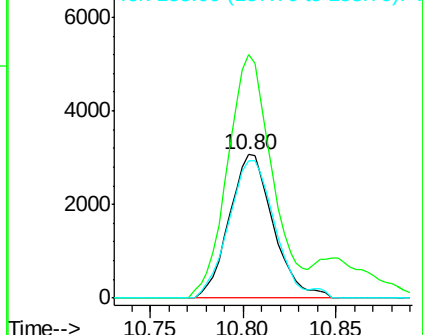
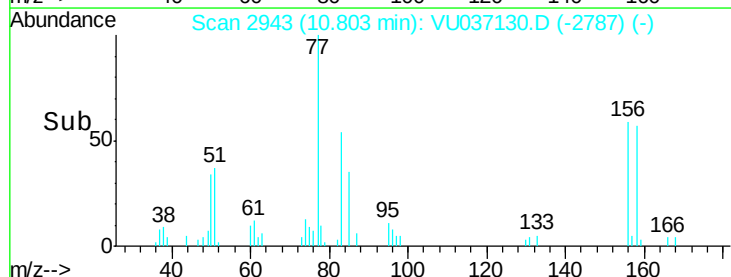


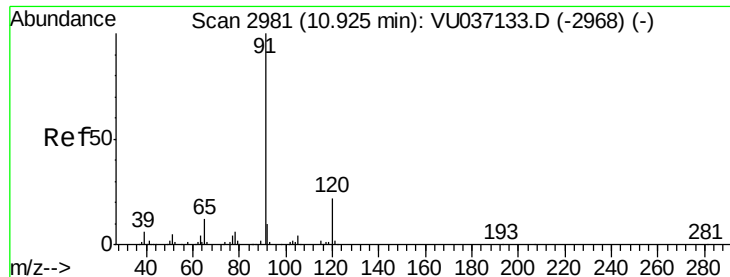
#72
 Bromobenzene
 Concen: 1.019 ug/l
 RT: 10.80 min Scan# 2943
 Delta R.T. 0.00 min
 Lab File: VU037130.D
 Acq: 09 Mar 2020 12:58

Tgt Ion:	156	Resp:	5064
Ion	Ratio	Lower	Upper
156	100		
77	172.2	0.0	306.6
158	98.5	0.0	192.0



Abundance Ion 156.00 (155.70 to 156.70): VU037133.D (-2929) (-)
 Ion 77.00 (76.70 to 77.70): VU037133.D (-2929) (-)
 Ion 158.00 (157.70 to 158.70): VU037133.D (-2929) (-)





#73

n-propylbenzene

Concen: 0.898 ug/l

RT: 10.92 min Scan# 2981

Delta R.T. -0.00 min

Lab File: VU037130.D

Acq: 09 Mar 2020 12:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:120 Resp: 5195

Ion Ratio Lower Upper

120 100

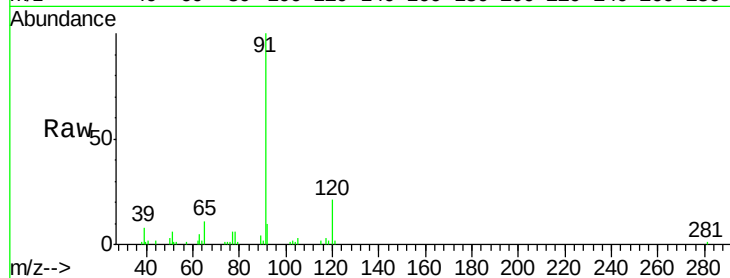
91 472.0 329.5 494.3

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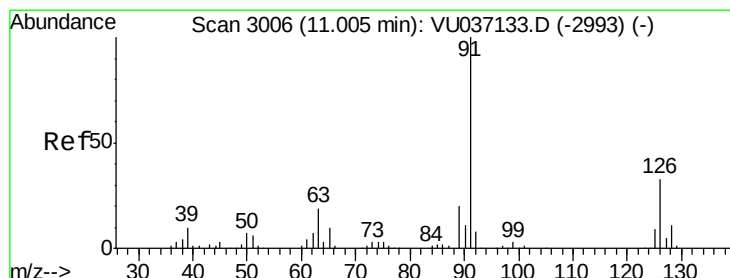
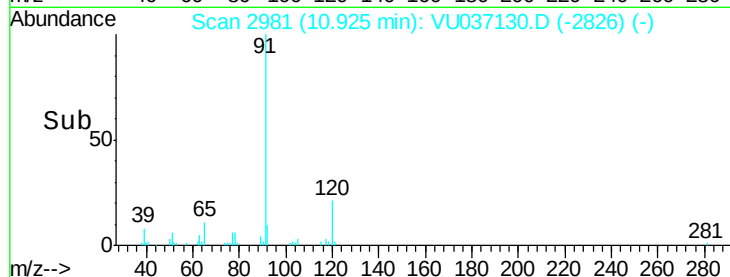
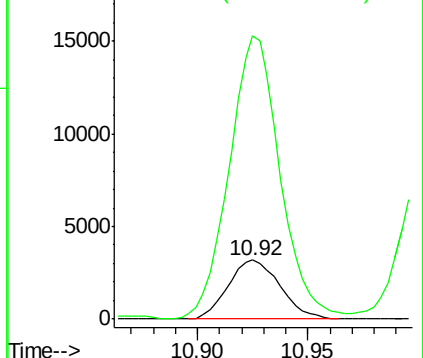
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Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 0.951 ug/l

RT: 11.01 min Scan# 3007

Delta R.T. 0.00 min

Lab File: VU037130.D

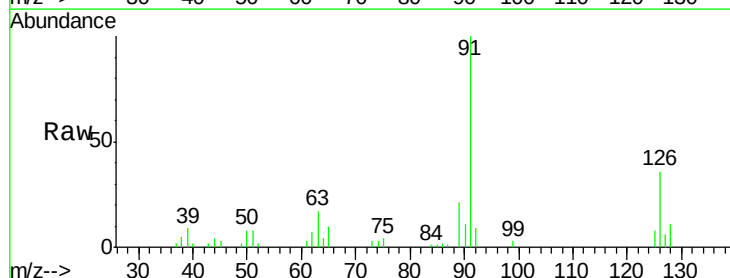
Acq: 09 Mar 2020 12:58

Tgt Ion:126 Resp: 4726

Ion Ratio Lower Upper

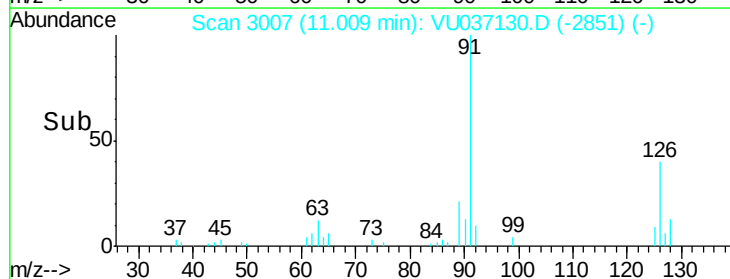
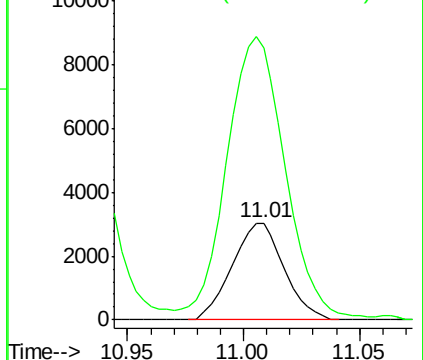
126 100

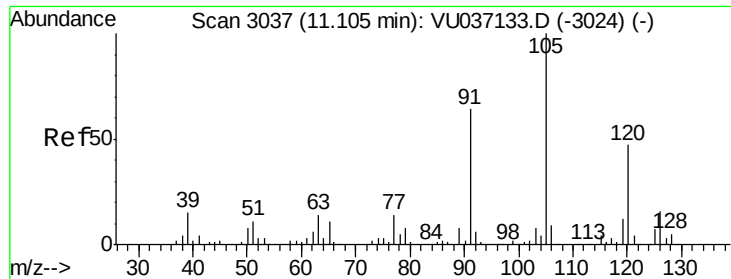
91 322.3 0.0 567.4



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: 0.977 ug/l

RT: 11.11 min Scan# 3038

Delta R.T. 0.00 min

Lab File: VU037130.D

Acq: 09 Mar 2020 12:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 17284

Ion Ratio Lower Upper

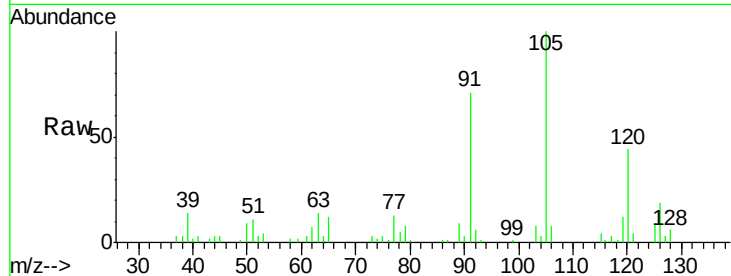
105 100

120 43.4 39.8 59.8

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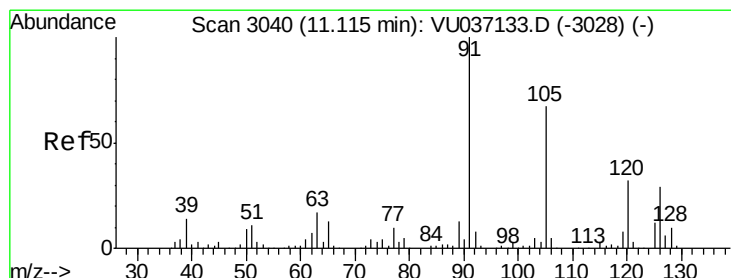
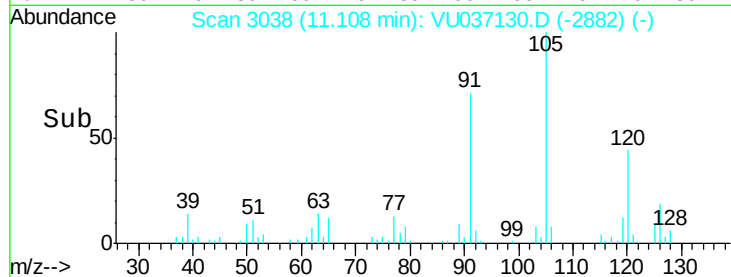
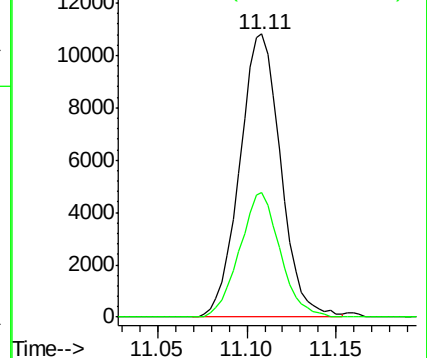
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

4-Chlorotoluene

Concen: 0.923 ug/l

RT: 11.12 min Scan# 3041

Delta R.T. 0.00 min

Lab File: VU037130.D

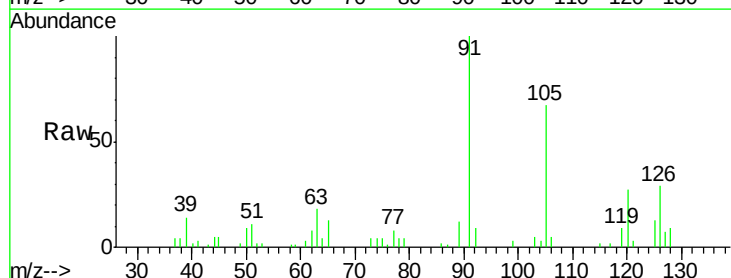
Acq: 09 Mar 2020 12:58

Tgt Ion:126 Resp: 4738

Ion Ratio Lower Upper

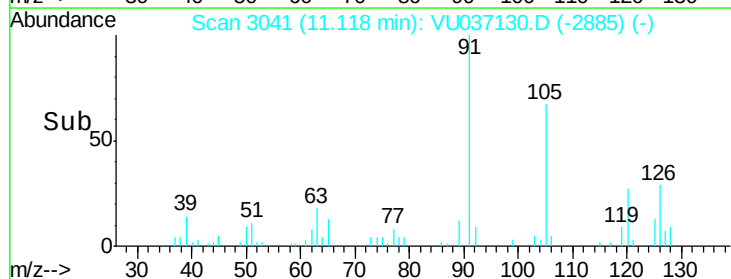
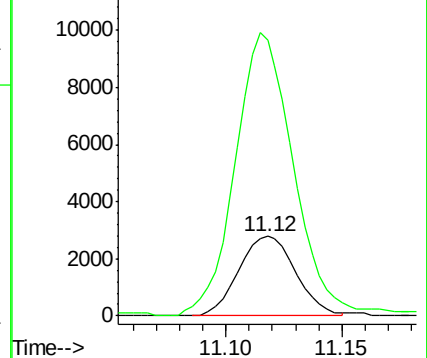
126 100

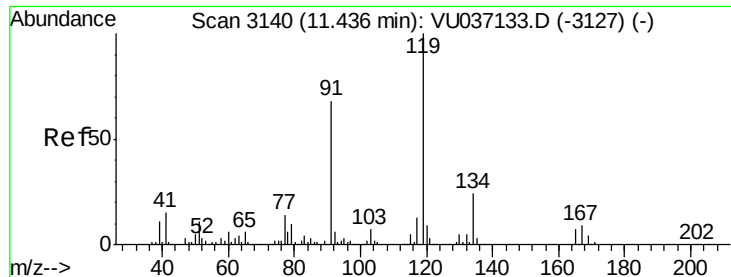
91 367.9 0.0 633.0



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#77
 tert-Butylbenzene
 Concen: 0.998 ug/l
 RT: 11.44 min Scan# 3141
 Delta R.T. 0.00 min
 Lab File: VU037130.D
 Acq: 09 Mar 2020 12:58

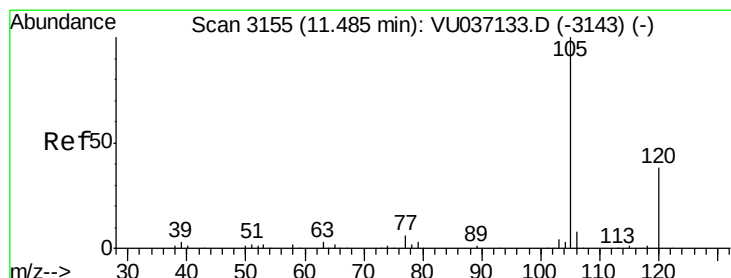
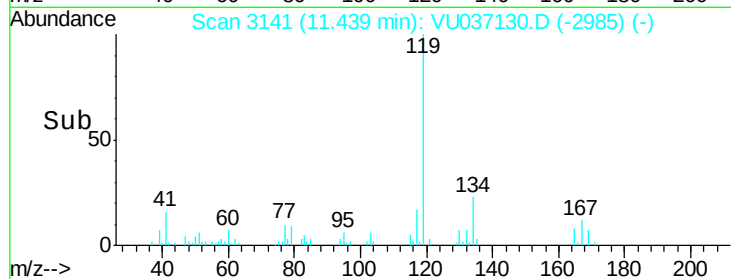
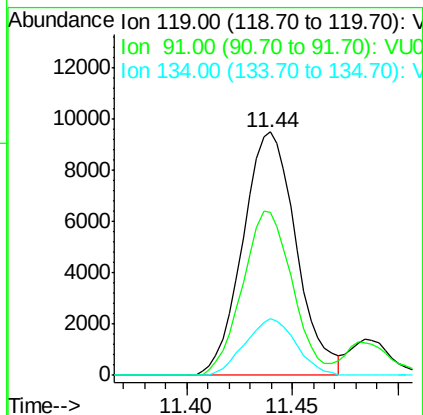
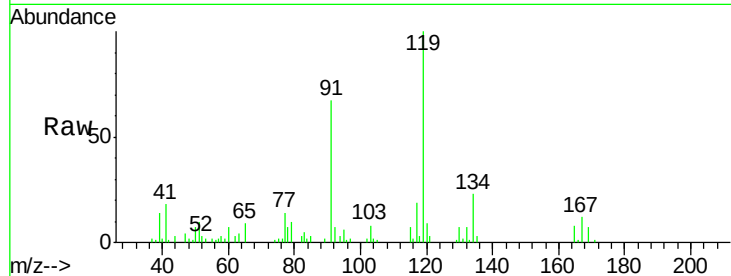
Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.0	29.3	87.8
134	21.9	19.0	28.4

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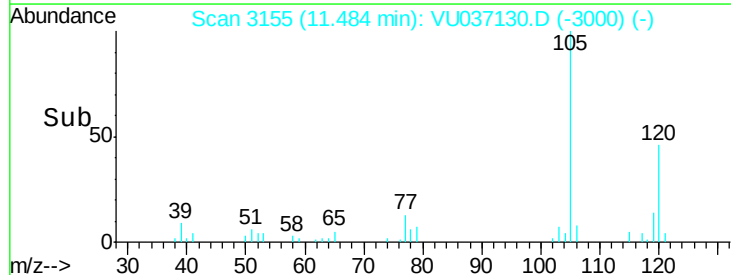
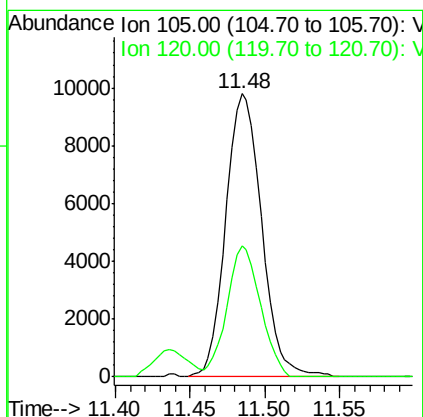
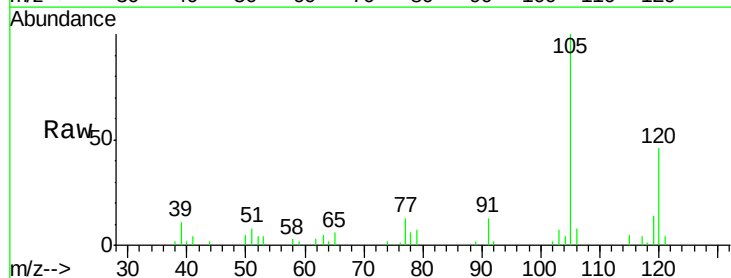
sam

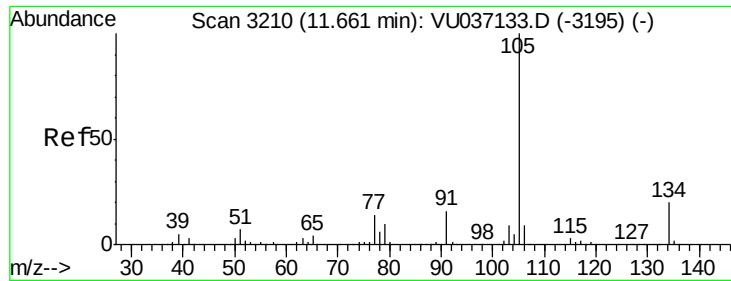
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#78
 1,2,4-Trimethylbenzene
 Concen: 0.899 ug/l
 RT: 11.48 min Scan# 3155
 Delta R.T. -0.00 min
 Lab File: VU037130.D
 Acq: 09 Mar 2020 12:58

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.1	23.3	69.8





#79

sec-Butylbenzene

Concen: 0.964 ug/l

RT: 11.66 min Scan# 3210

Delta R.T. -0.00 min

Lab File: VU037130.D

Acq: 09 Mar 2020 12:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 22411

Ion Ratio Lower Upper

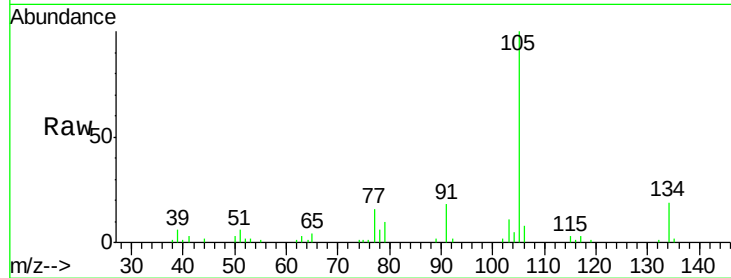
105 100

134 17.8 16.0 24.0

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.66

15000

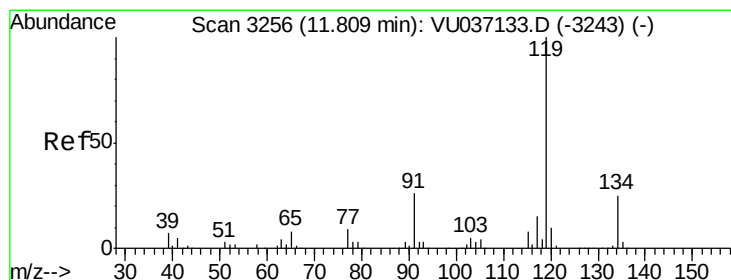
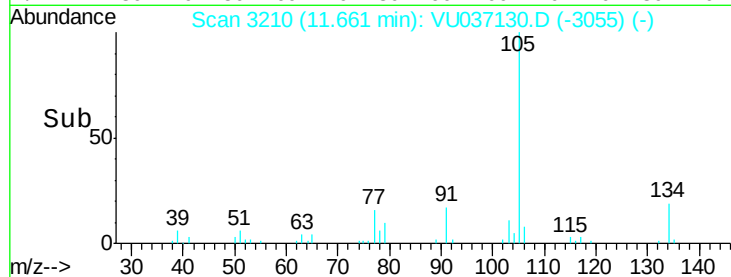
10000

5000

0

Time-->

11.60 11.65 11.70



#81

p-Isopropyltoluene

Concen: 0.874 ug/l

RT: 11.81 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VU037130.D

Acq: 09 Mar 2020 12:58

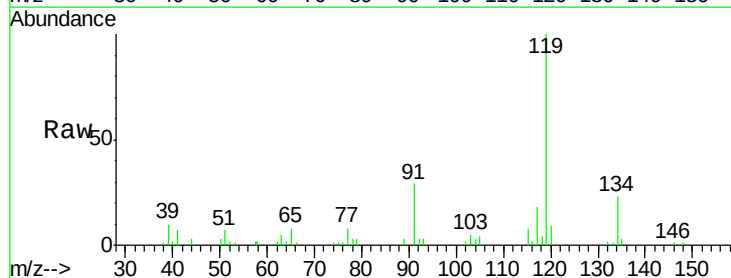
Tgt Ion:119 Resp: 16980

Ion Ratio Lower Upper

119 100

134 23.2 21.4 32.0

91 26.5 18.3 27.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU

11.81

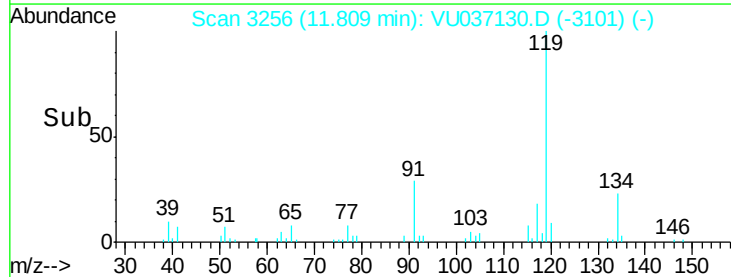
10000

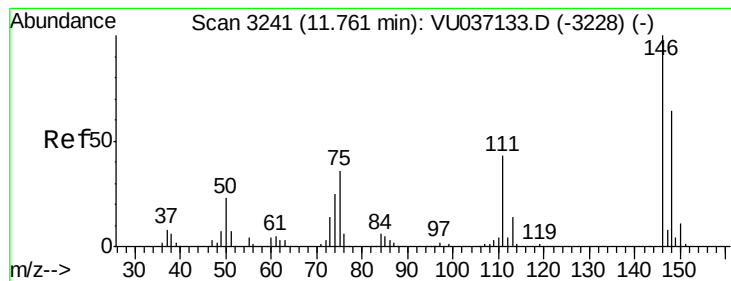
5000

0

Time-->

11.75 11.80 11.85





#82

1,3-Dichlorobenzene

Concen: 0.987 ug/l

RT: 11.76 min Scan# 3242

Delta R.T. 0.00 min

Lab File: VU037130.D

Acq: 09 Mar 2020 12:58

Instrument :

MSVOA_U

ClientSampled :

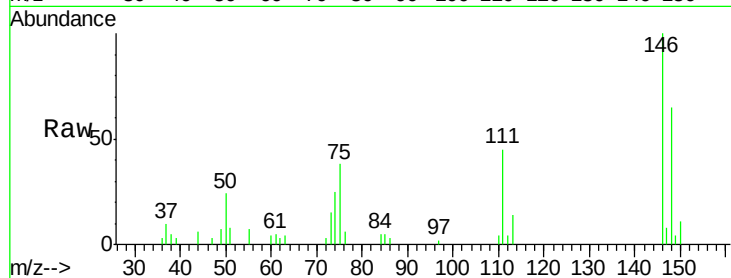
VSTDIC001

Tot Ion:	146	Resp:	9809
Ion	Ratio	Lower	Upper
146	100		
111	41.6	32.2	48.2
148	63.4	51.4	77.2

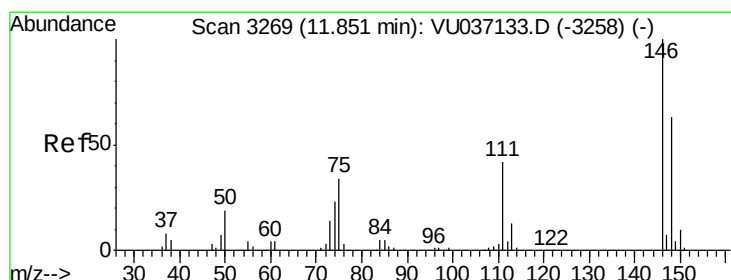
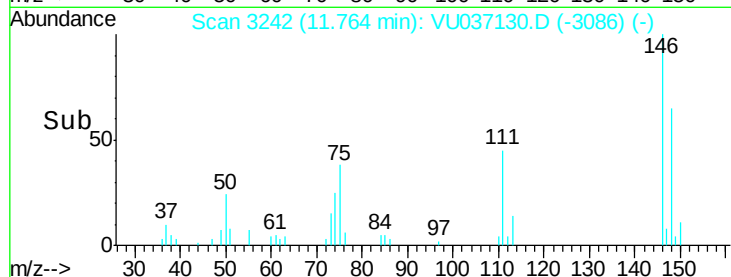
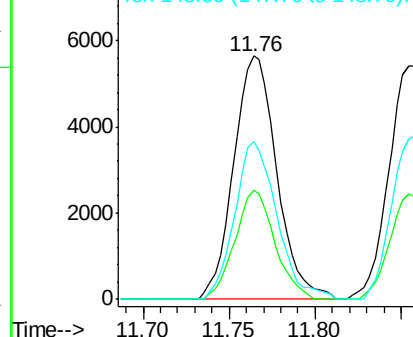
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Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#83

1,4-Dichlorobenzene

Concen: 0.993 ug/l

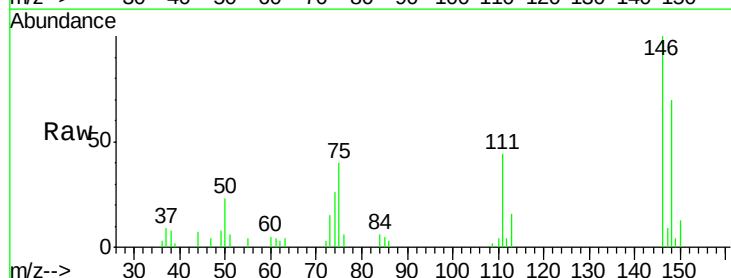
RT: 11.86 min Scan# 3271

Delta R.T. 0.01 min

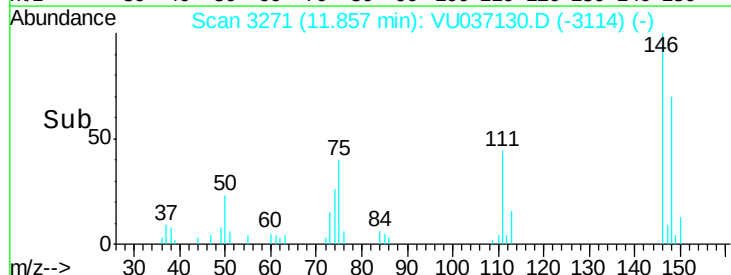
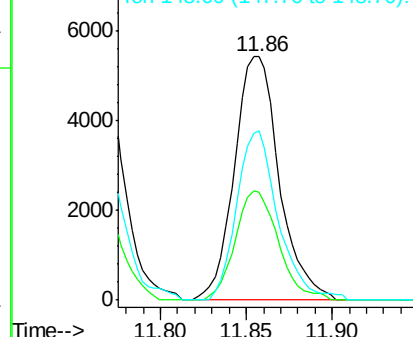
Lab File: VU037130.D

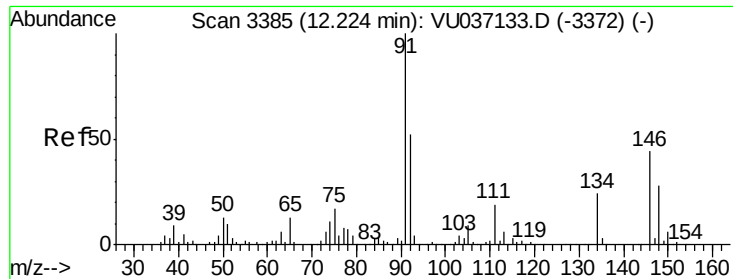
Acq: 09 Mar 2020 12:58

Tgt Ion:	146	Resp:	9866
Ion	Ratio	Lower	Upper
146	100		
111	43.1	30.5	45.7
148	64.2	51.0	76.4



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





#84
n-Butylbenzene
Concen: 0.886 ug/l
RT: 12.23 min Scan# 3386
Delta R.T. 0.00 min
Lab File: VU037130.D
Acq: 09 Mar 2020 12:58

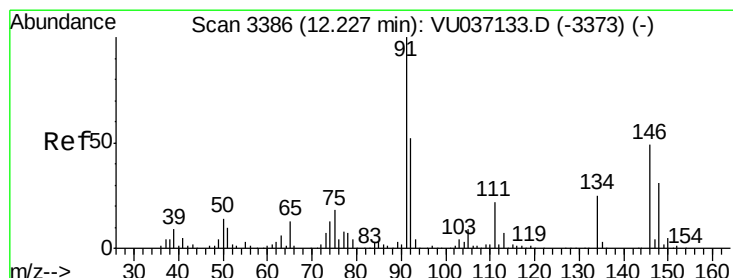
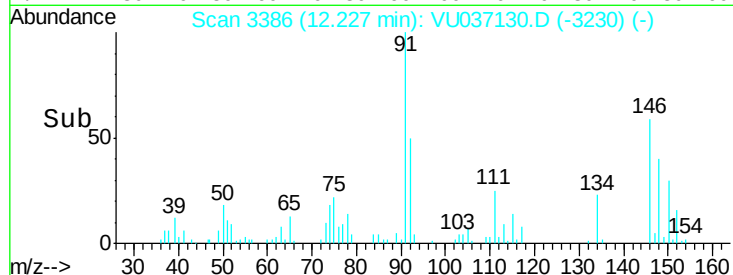
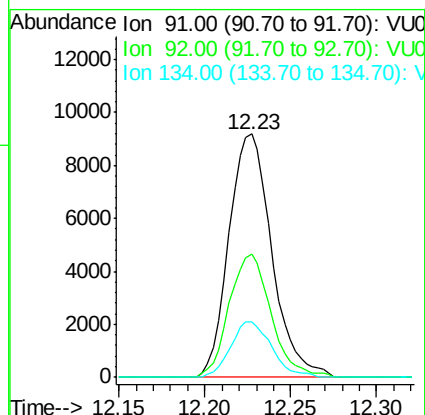
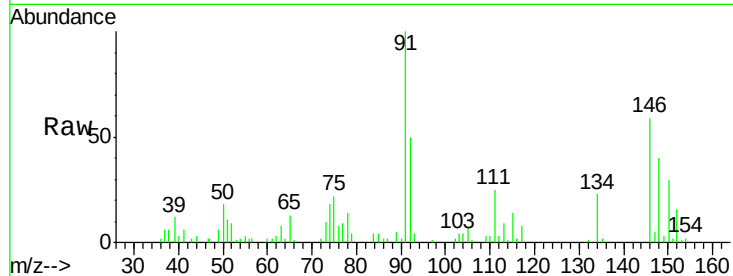
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion:	91	Resp:	15921
Ion	Ratio	Lower	Upper
91	100		
92	49.5	42.9	64.3
134	21.8	21.4	32.0

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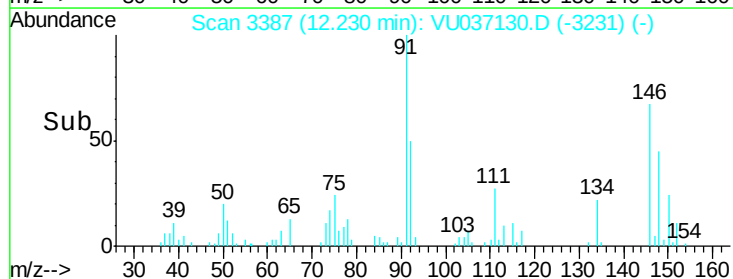
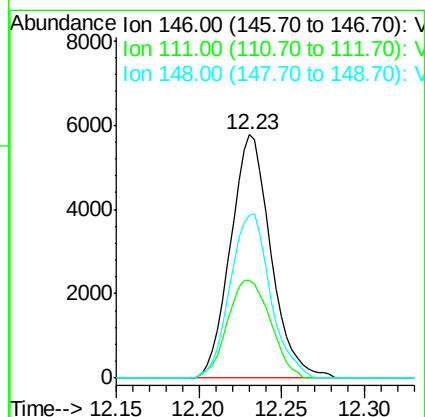
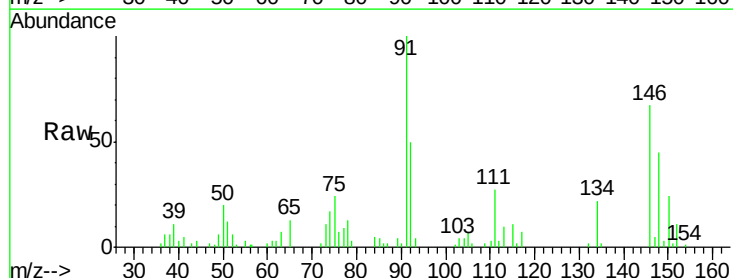
sam

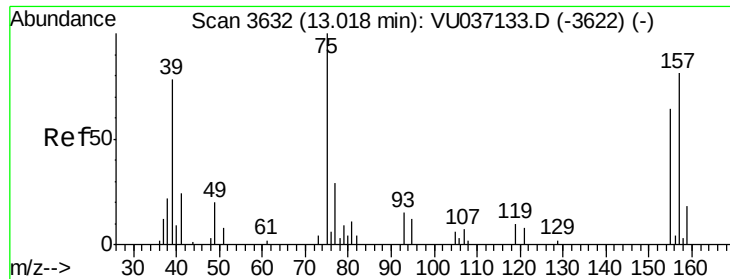
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#85
1,2-Dichlorobenzene
Concen: 1.026 ug/l
RT: 12.23 min Scan# 3387
Delta R.T. 0.00 min
Lab File: VU037130.D
Acq: 09 Mar 2020 12:58

Tgt Ion:	146	Resp:	9762
Ion	Ratio	Lower	Upper
146	100		
111	42.9	20.8	62.4
148	67.2	32.0	96.2





#86
 1,2-Dibromo-3-Chloropropane
 Concen: 1.163 ug/l
 RT: 13.02 min Scan# 3634
 Delta R.T. 0.01 min
 Lab File: VU037130.D
 Acq: 09 Mar 2020 12:58

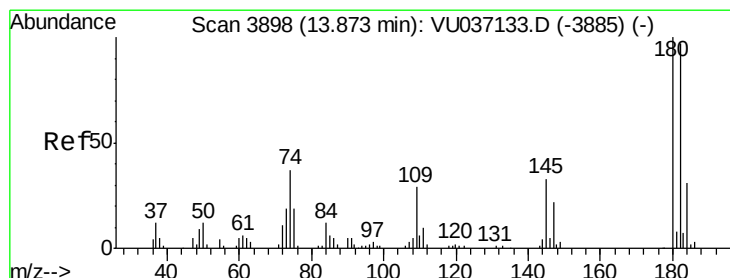
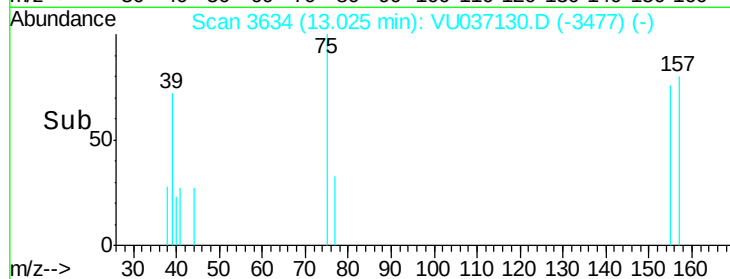
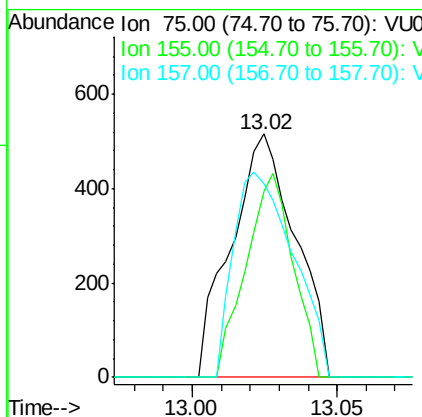
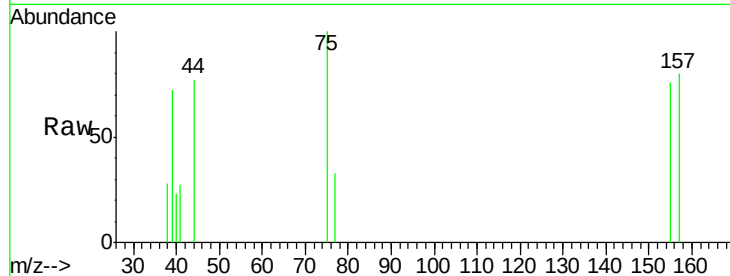
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion: 75 Resp: 795
 Ion Ratio Lower Upper
 75 100
 155 61.1 71.8 107.8#
 157 78.2 92.4 138.6#

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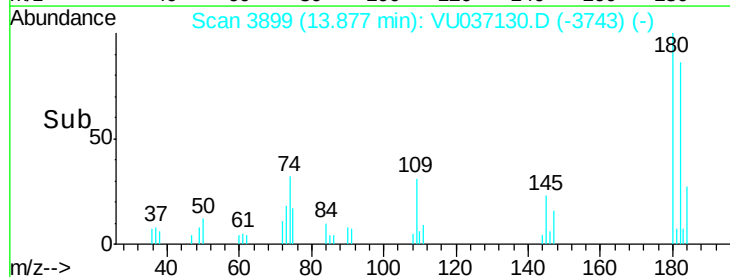
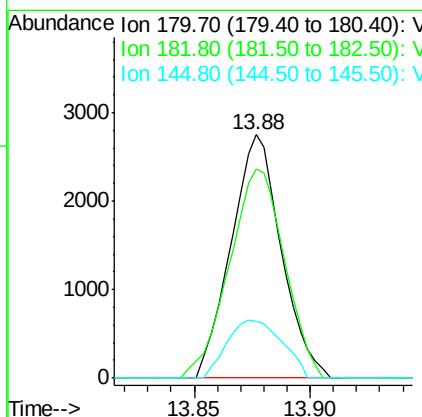
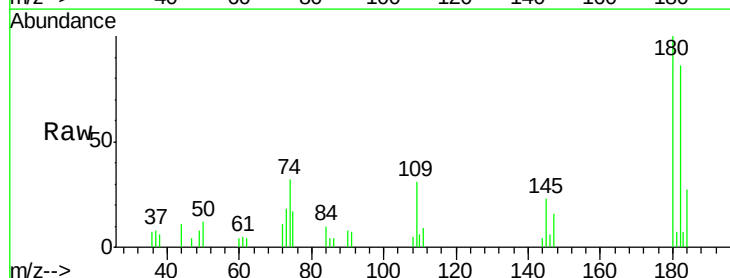
sam

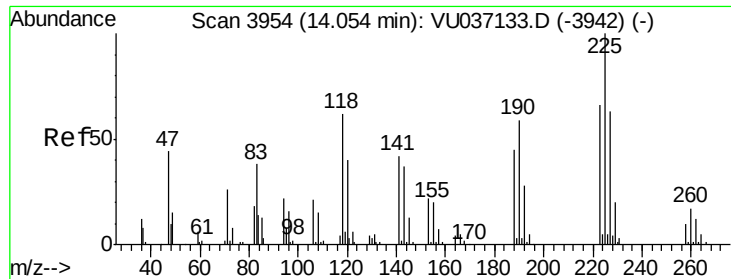
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#87
 1,2,4-Trichlorobenzene
 Concen: 0.678 ug/l
 RT: 13.88 min Scan# 3899
 Delta R.T. 0.00 min
 Lab File: VU037130.D
 Acq: 09 Mar 2020 12:58

Tgt Ion: 180 Resp: 4125
 Ion Ratio Lower Upper
 180 100
 182 94.4 75.9 113.9
 145 26.1 23.4 35.2





#88
Hexachlorobutadiene
Concen: 0.863 ug/l
RT: 14.06 min Scan# 3956
Delta R.T. 0.01 min
Lab File: VU037130.D
Acq: 09 Mar 2020 12:58

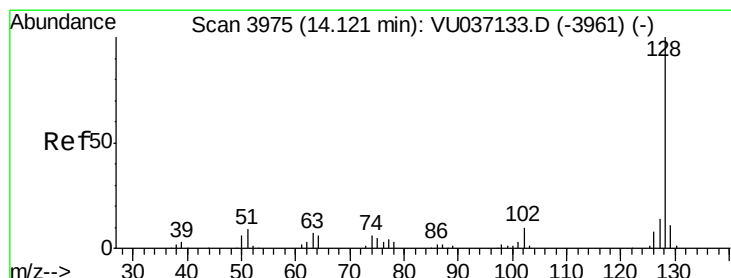
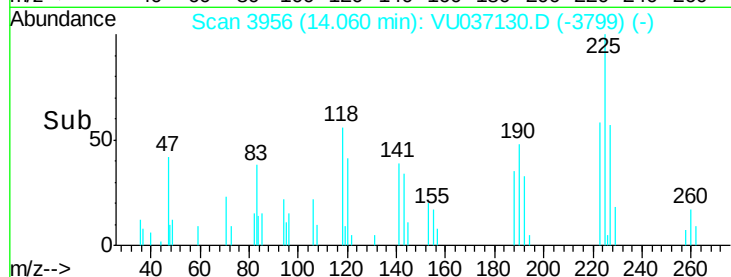
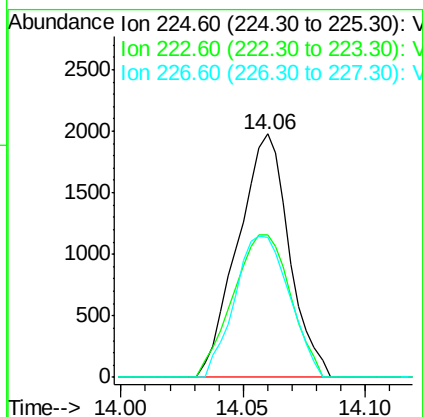
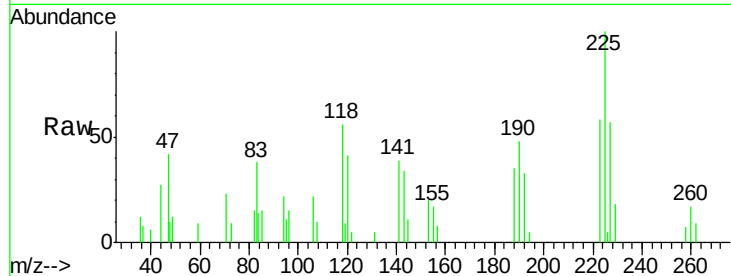
Instrument :
MSVOA_U
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
225	100		
223	66.0	51.7	77.5
227	61.8	50.6	75.8

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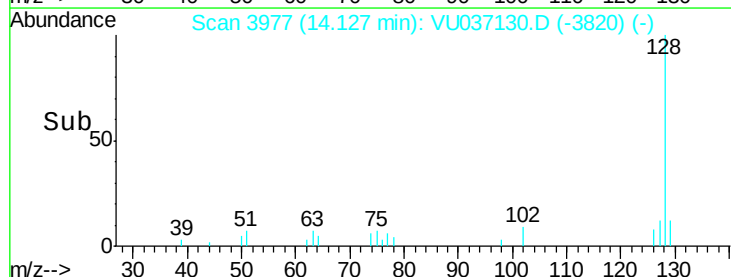
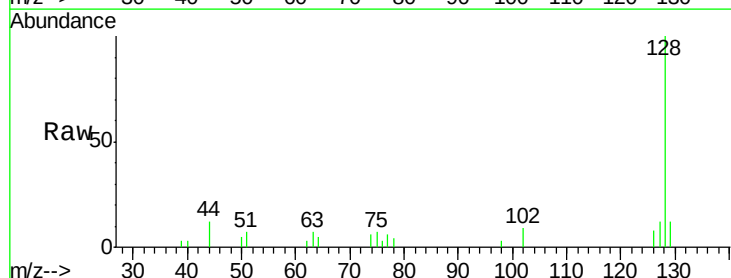
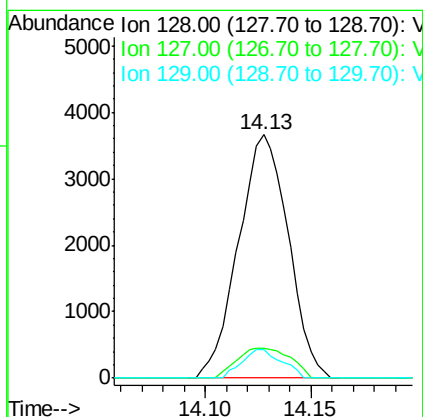
sam

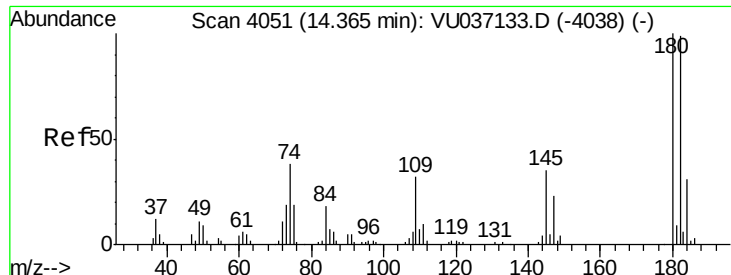
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#89
Naphthalene
Concen: 0.573 ug/l
RT: 14.13 min Scan# 3977
Delta R.T. 0.01 min
Lab File: VU037130.D
Acq: 09 Mar 2020 12:58

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.5	15.7
129	9.3	8.7	13.1





#90
 1,2,3-Trichlorobenzene
 Concen: 0.756 ug/l
 RT: 14.37 min Scan# 4053
 Delta R.T. 0.01 min
 Lab File: VU037130.D
 Acq: 09 Mar 2020 12:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.5	76.2	114.4
145	35.8	25.2	37.8

Manual Integrations
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sam

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