

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU030920\
 Data File : VU037133.D
 Acq On : 09 Mar 2020 14:20
 Operator : JC/MD
 Sample : VSTDICCC010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

Quant Time: Mar 09 15:43:25 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	17483	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.65	95	6740	1.02	ug/l	0.00
Spiked Amount 1.000			Recovery	=	102.00%	
68) 1,2-Dichlorobenzene-d4	12.21	152	6954	1.03	ug/l	0.00
Spiked Amount 1.000			Recovery	=	103.00%	

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Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	83420	14.435	ug/l 97
3) Chloromethane	1.54	50	84241	13.597	ug/l 99
4) Vinyl Chloride	1.62	62	74604	10.631	ug/l 100
5) Bromomethane	1.87	94	23750	5.447	ug/l 100
6) Chloroethane	1.95	64	34310	8.253	ug/l 99
7) Trichlorofluoromethane	2.16	101	87271	12.587	ug/l 98
8) 1,1,2-Trichloro-1,2,2-trif	2.60	101	41525	9.614	ug/l 93
9) 1,1-Dichloroethene	2.60	96	39101	8.505	ug/l 75
10) Iodomethane	2.75	142	21883	4.437	ug/l # 70
11) Allyl Chloride	2.95	41	74531	11.725	ug/l # 64
12) Acrylonitrile	3.35	53	18351	16.274	ug/l # 92
13) Acetone	2.66	43	45582	49.587	ug/l # 79
14) Carbon Disulfide	2.82	76	130668	8.207	ug/l 99
15) Methylene Chloride	3.08	84	43187	7.132	ug/l # 78
16) trans-1,2-Dichloroethene	3.38	96	41559	8.195	ug/l 87
17) 1,1-Dichloroethane	3.91	63	94955	11.489	ug/l 98
18) 2-Butanone	4.76	43	74866	61.840	ug/l 96
19) Cyclohexane	5.42	56	86324m	11.428	ug/l
20) Methylcyclohexane	6.79	83	85071	10.087	ug/l # 88
21) 2,2-Dichloropropane	4.70	77	86168	12.213	ug/l 95
22) cis-1,2-Dichloroethene	4.71	96	52225	9.925	ug/l 83
23) Diethyl Ether	2.40	59	32409	9.126	ug/l 90
24) tert-Butyl Alcohol	3.23	59	37558	118.332	ug/l 99
25) Methyl tert-Butyl Ether	3.41	73	112757	9.360	ug/l # 71
26) Bromochloromethane	5.02	128	22693	9.958	ug/l 80
27) Chloroform	5.13	83	99534	12.176	ug/l 98
28) 1,1,1-Trichloroethane	5.35	97	87711	12.796	ug/l 96
29) 1,1-Dichloropropene	5.56	75	72701	10.867	ug/l 96
30) Carbon Tetrachloride	5.56	117	79200	13.494	ug/l 98
31) Isopropyl Ether	4.05	45	156639	12.486	ug/l 86
32) Ethyl-t-butyl ether	4.56	59	149147	11.363	ug/l 92
33) Tert-Amyl methyl ether	5.99	73	129247	10.754	ug/l 99
34) Propionitrile	4.83	54	21060	60.349	ug/l # 94
35) Benzene	5.81	78	204041	10.533	ug/l 99
36) 1,2-Dichloroethane	5.83	62	71994	13.806	ug/l # 94
37) Trichloroethene	6.57	130	51813	9.688	ug/l 92
38) 1,2-Dichloropropane	6.83	63	56104	11.519	ug/l 99
39) Methacrylonitrile	5.02	41	20386	13.900	ug/l # 84
40) Methyl acrylate	4.90	55	27254	11.724	ug/l # 95
41) Tetrahydrofuran	5.11	42	20037	25.076	ug/l # 85
42) 1-Chlorobutane	5.49	56	106661	12.306	ug/l 84

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Manual Integrations
 APPROVED

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 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Mar 09 15:28:09 2020
 Response via : Initial Calibration

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

43) Dibromomethane	6.95	93	28530	11.223	ug/l	91
44) Bromodichloromethane	7.14	83	76078	12.651	ug/l	98
45) 4-Methyl-2-Pentanone	7.83	43	195064	68.104	ug/l #	86
46) t-1,4-Dichloro-2-butene	10.86	75	22252m	17.641	ug/l	
47) Methyl methacrylate	7.00	69	51996	20.872	ug/l #	67
48) Ethyl methacrylate	8.36	69	50132	10.418	ug/l	70
49) Toluene	8.00	92	131870	10.664	ug/l	100sam
50) t-1,3-Dichloropropene	8.24	75	69911	11.667	ug/l	99
51) cis-1,3-Dichloropropene	7.64	75	78700	10.837	ug/l #	78
52) 1,1,2-Trichloroethane	8.43	97	38619	10.707	ug/l	97
53) 1,3-Dichloropropane	8.60	76	68645	11.103	ug/l	98
54) 2-Hexanone	8.71	43	138916	69.158	ug/l	85
55) Dibromochloromethane	8.84	129	49242	11.858	ug/l	99
56) 1,2-Dibromoethane	8.95	107	38979	11.223	ug/l	96
58) Tetrachloroethene	8.58	164	50233	9.397	ug/l	96
59) Chlorobenzene	9.47	112	140404	10.193	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.56	131	52801	12.002	ug/l	94
61) Pentachloroethane	11.45	117	40005	14.095	ug/l	94
62) Hexachloroethane	12.49	117	43131	11.924	ug/l	82
63) Ethyl Benzene	9.59	91	254729	11.034	ug/l	96
64) m/p-Xylenes	9.71	106	197073	21.567	ug/l	90
65) o-Xylene	10.12	106	93264	10.540	ug/l	89
66) Styrene	10.13	104	159259	10.748	ug/l	95
67) Bromoform	10.31	173	27228	11.451	ug/l #	96
69) Isopropylbenzene	10.50	105	252578	10.866	ug/l	97
70) 1,1,2,2-Tetrachloroethane	10.80	83	51465	11.309	ug/l	95
71) 1,2,3-Trichloropropane	10.85	75	44283m	13.638	ug/l	
72) Bromobenzene	10.80	156	56176	10.031	ug/l	87
73) n-propylbenzene	10.93	120	69405	10.641	ug/l	79
74) 2-Chlorotoluene	11.01	126	60410	10.784	ug/l	86
75) 1,3,5-Trimethylbenzene	11.11	105	223569	11.214	ug/l	95
76) 4-Chlorotoluene	11.11	126	61514	10.628	ug/l	77
77) tert-Butylbenzene	11.44	119	210928	11.165	ug/l	93
78) 1,2,4-Trimethylbenzene	11.48	105	231838	11.278	ug/l	95
79) sec-Butylbenzene	11.66	105	289700	11.053	ug/l	98
80) Nitrobenzene	13.24	77	6094	93.318	ug/l	92
81) p-Isopropyltoluene	11.81	119	238947	10.908	ug/l	95
82) 1,3-Dichlorobenzene	11.76	146	116242	10.375	ug/l	98
83) 1,4-Dichlorobenzene	11.85	146	116762	10.426	ug/l	98
84) n-Butylbenzene	12.22	91	227823	11.245	ug/l	97
85) 1,2-Dichlorobenzene	12.23	146	109486	10.211	ug/l	98
86) 1,2-Dibromo-3-Chloropropan	13.02	75	9665	12.547	ug/l #	76
87) 1,2,4-Trichlorobenzene	13.87	180	62305	9.085	ug/l	97
88) Hexachlorobutadiene	14.05	225	34435	9.161	ug/l	99
89) Naphthalene	14.12	128	113600	9.614	ug/l	99
90) 1,2,3-Trichlorobenzene	14.37	180	59162	9.172	ug/l	97

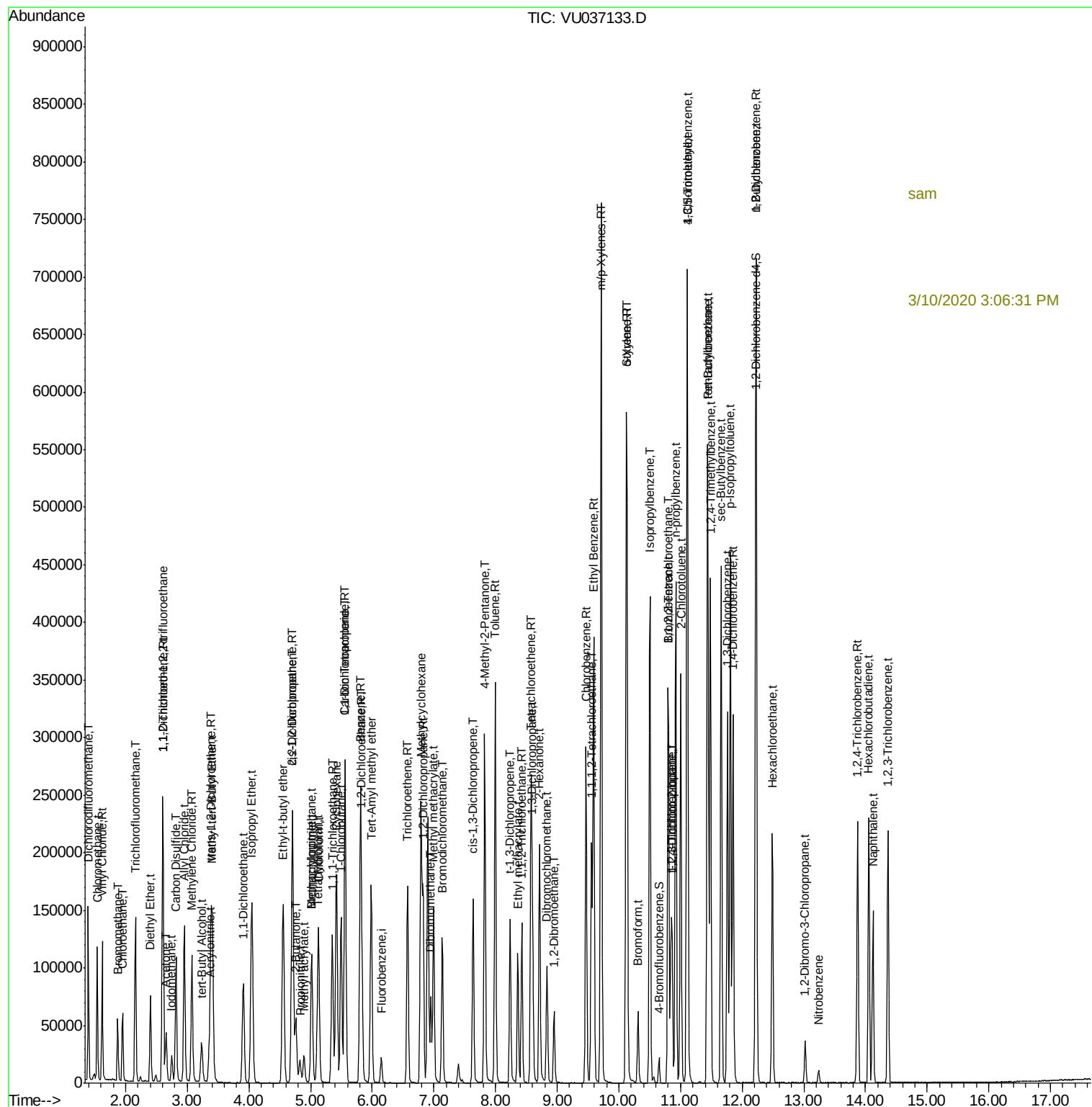
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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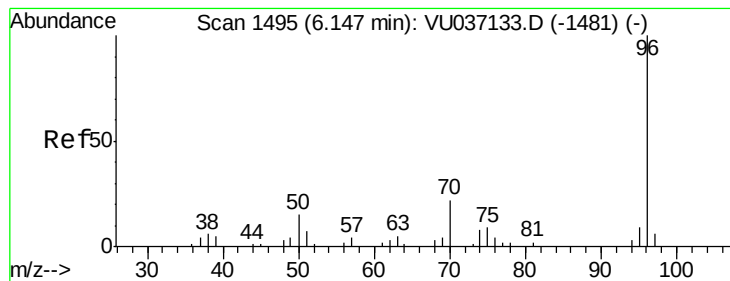
Manual Integrations
APPROVED

Quant Time: Mar 09 15:43:25 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA U\METHOD\524U030920DW.M
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#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.15 min Scan# 1495

Delta R.T. 0.00 min

Lab File: VU037133.D

Acq: 09 Mar 2020 14:20

Instrument :

MSVOA_U

ClientSampled :

VSTDICCC010

Tot Ion: 96 Resp: 17483

Ion Ratio Lower Upper

96 100

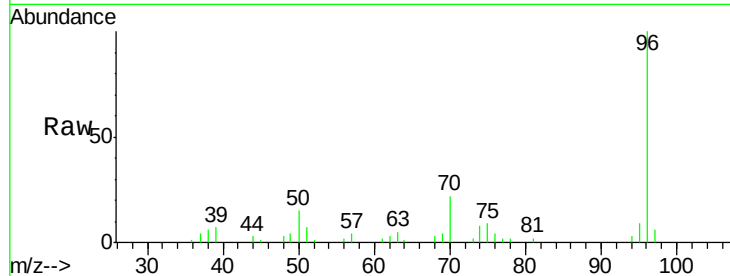
70 20.9 15.6 23.4

95 8.6 7.0 10.6

97 0.0 0.0 0.0

Manual Integrations

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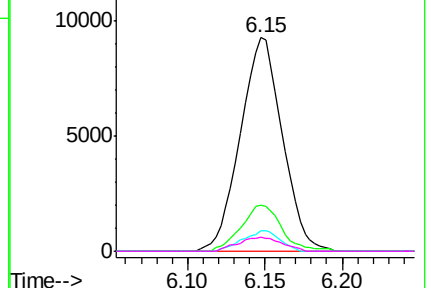
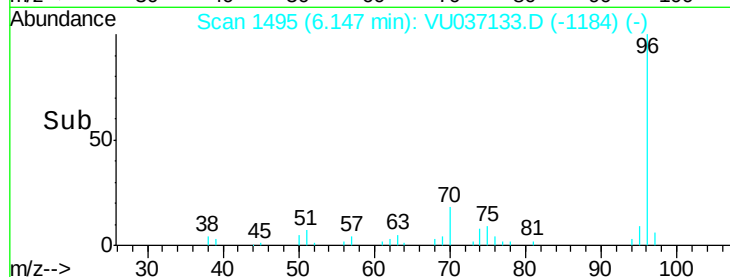


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

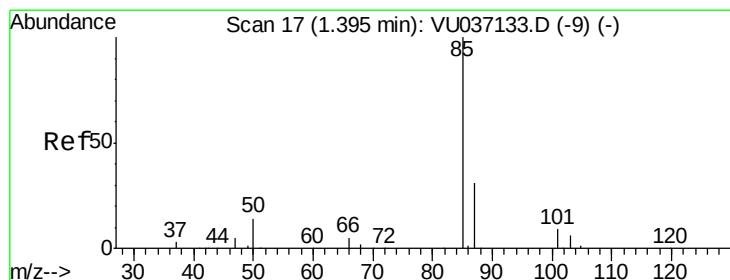
Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0



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#2

Dichlorodifluoromethane

Concen: 14.435 ug/l

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU037133.D

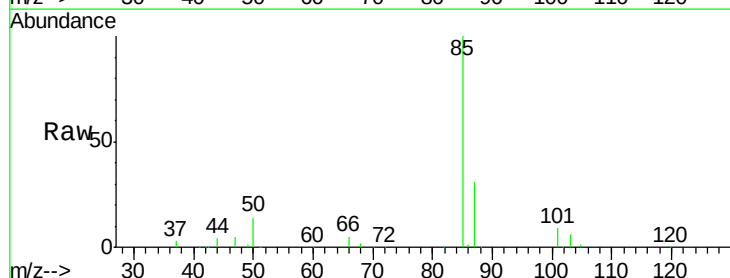
Acq: 09 Mar 2020 14:20

Tgt Ion: 85 Resp: 83420

Ion Ratio Lower Upper

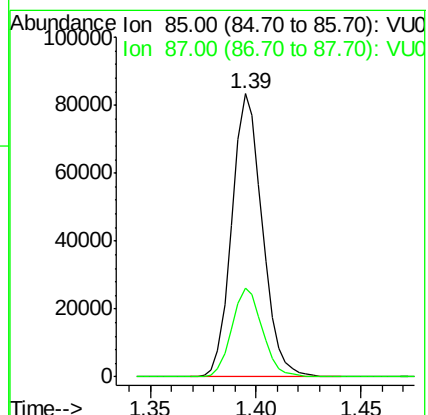
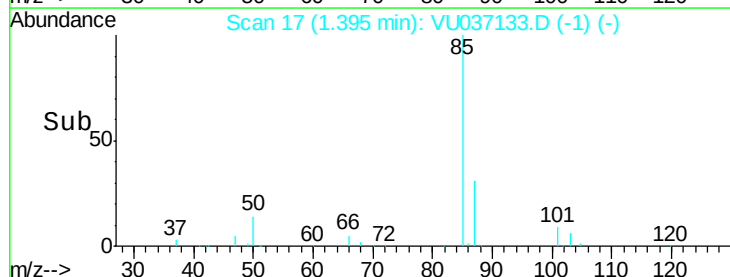
85 100

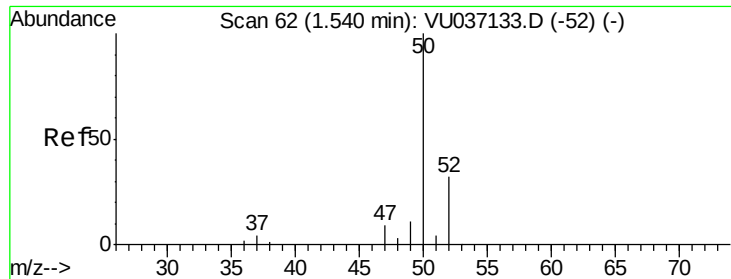
87 31.2 16.4 49.2



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0





#3

Chloromethane

Concen: 13.597 ug/l

RT: 1.54 min Scan# 62

Delta R.T. 0.00 min

Lab File: VU037133.D

Acq: 09 Mar 2020 14:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion: 50 Resp: 84241

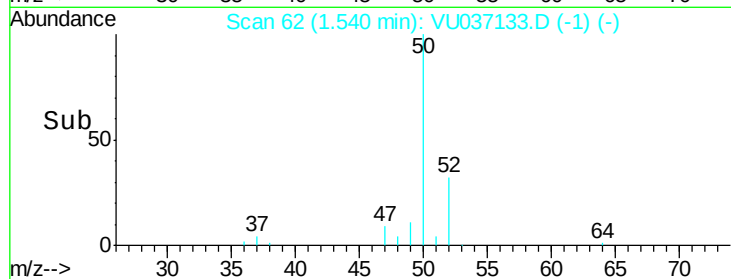
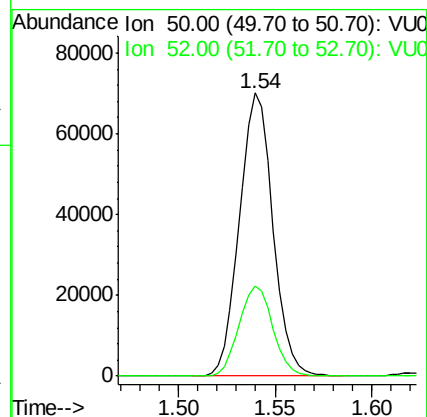
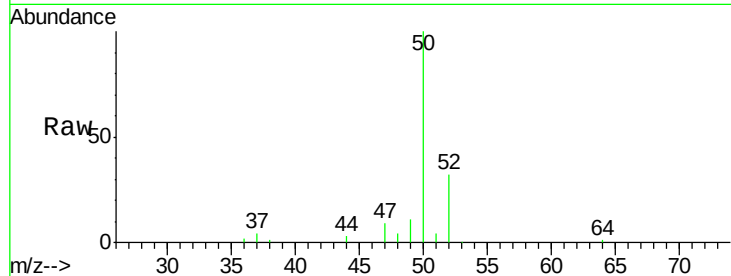
Ion Ratio Lower Upper

50 100

52 31.8 26.0 39.0

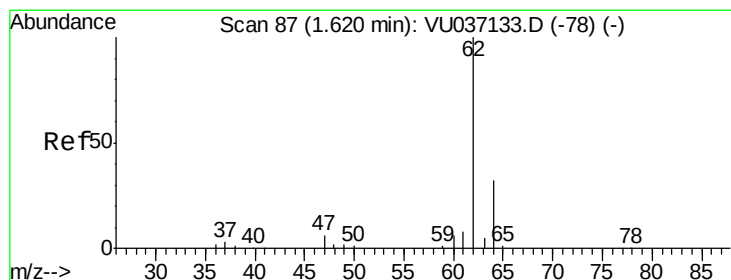
Manual Integrations

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#4

Vinyl Chloride

Concen: 10.631 ug/l

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU037133.D

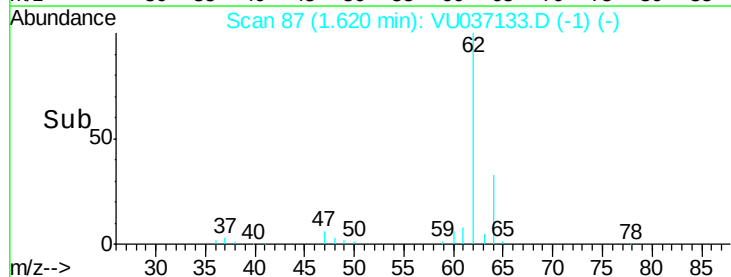
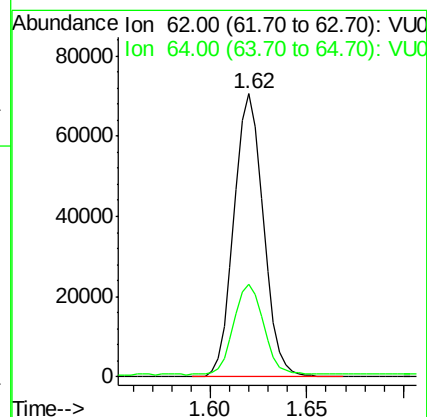
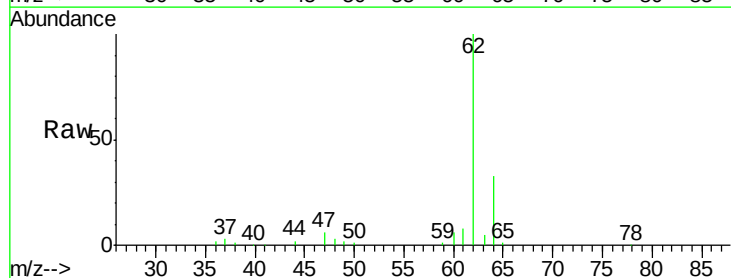
Acq: 09 Mar 2020 14:20

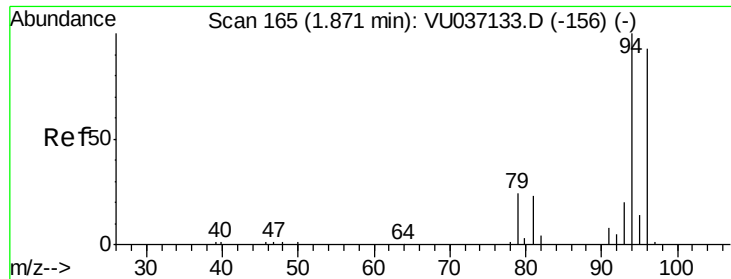
Tgt Ion: 62 Resp: 74604

Ion Ratio Lower Upper

62 100

64 32.0 25.4 38.2





#5

Bromomethane

Concen: 5.447 ug/l

RT: 1.87 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU037133.D

Acq: 09 Mar 2020 14:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion: 94 Resp: 23750

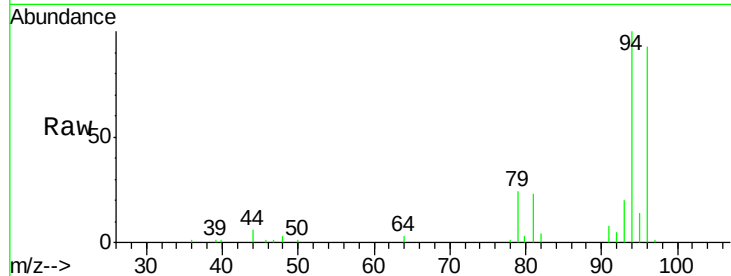
Ion Ratio Lower Upper

94 100

96 92.8 74.6 112.0

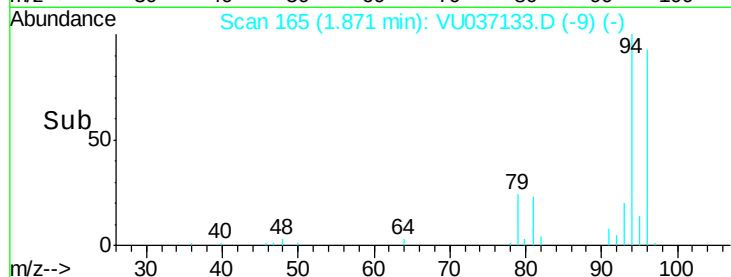
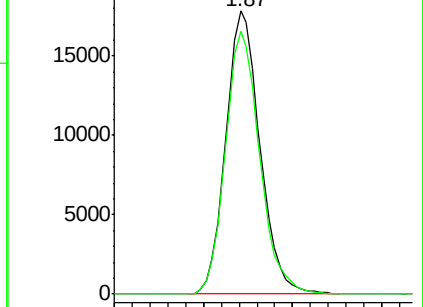
Manual Integrations

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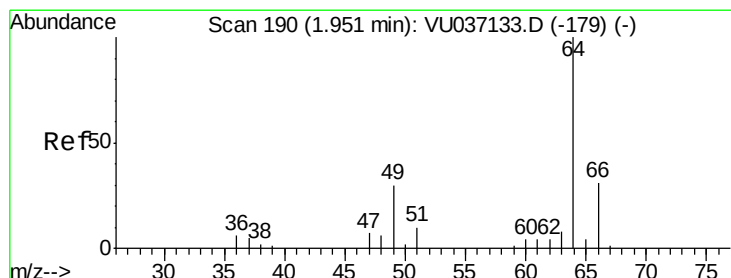
Abundance Ion 94.00 (93.70 to 94.70): VU037133.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU037133.D (-156) (-)



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#6

Chloroethane

Concen: 8.253 ug/l

RT: 1.95 min Scan# 190

Delta R.T. 0.00 min

Lab File: VU037133.D

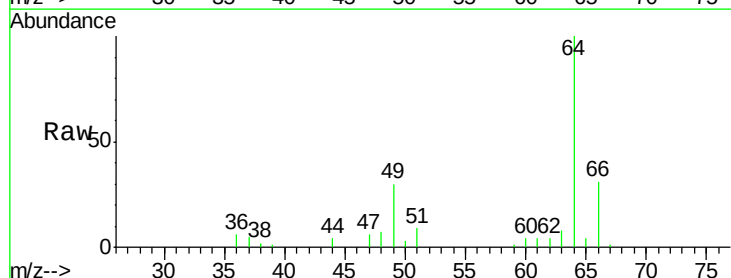
Acq: 09 Mar 2020 14:20

Tgt Ion: 64 Resp: 34310

Ion Ratio Lower Upper

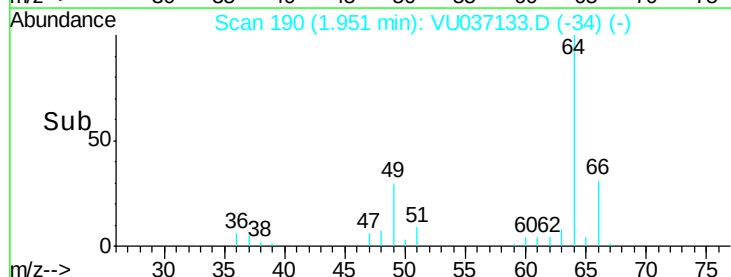
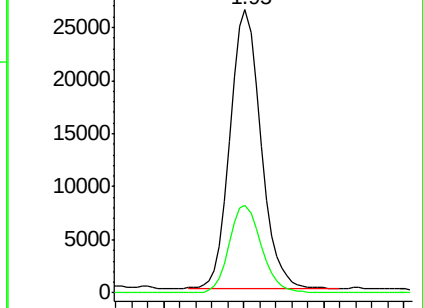
64 100

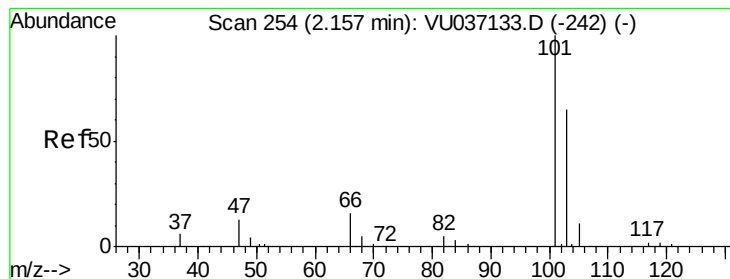
66 31.4 25.5 38.3



Abundance Ion 64.00 (63.70 to 64.70): VU037133.D (-179) (-)

Ion 66.00 (65.70 to 66.70): VU037133.D (-179) (-)





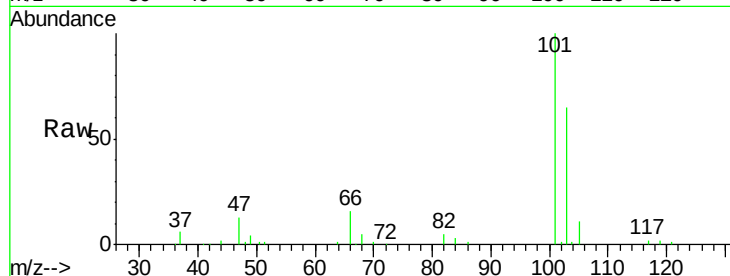
#7

Trichlorofluoromethane
Concen: 12.587 ug/l
RT: 2.16 min Scan# 254
Delta R.T. 0.00 min
Lab File: VU037133.D
Acq: 09 Mar 2020 14:20

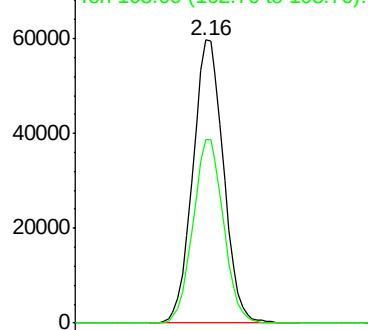
Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	53.0	79.6

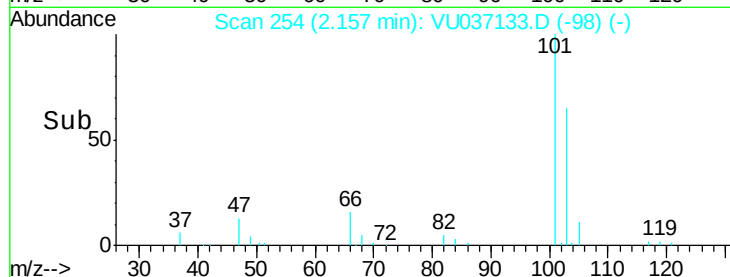
Manual Integrations
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Abundance Ion 101.00 (100.70 to 101.70): V
Ion 103.00 (102.70 to 103.70): V

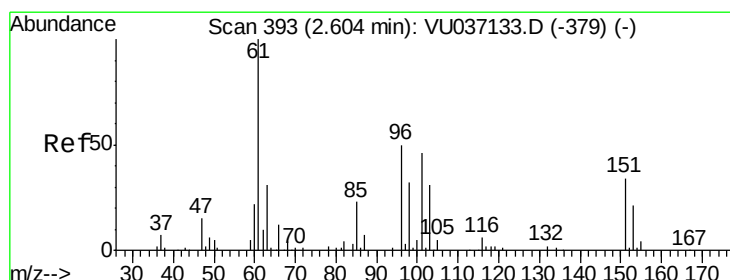


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Time-->

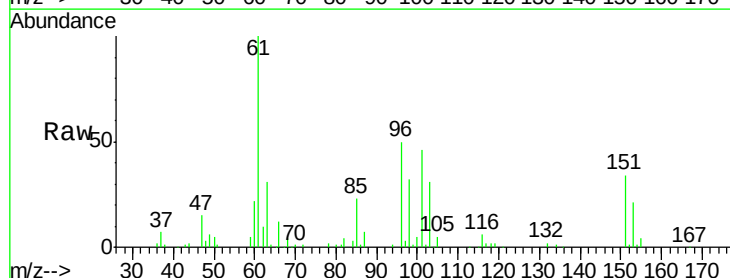
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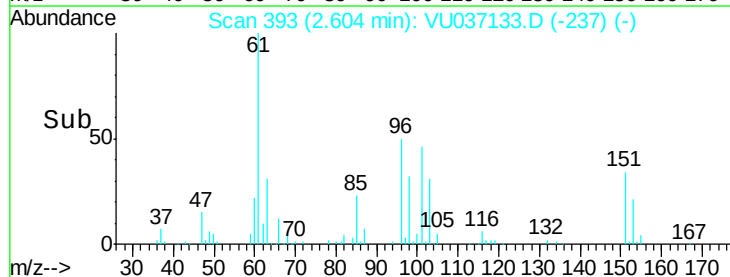
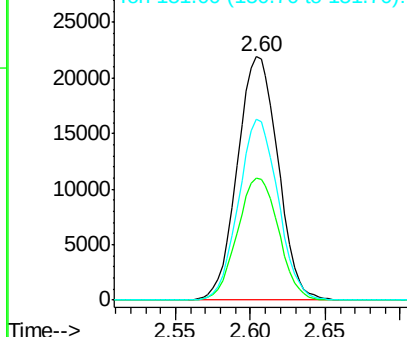
#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 9.614 ug/l
RT: 2.60 min Scan# 393
Delta R.T. 0.00 min
Lab File: VU037133.D
Acq: 09 Mar 2020 14:20

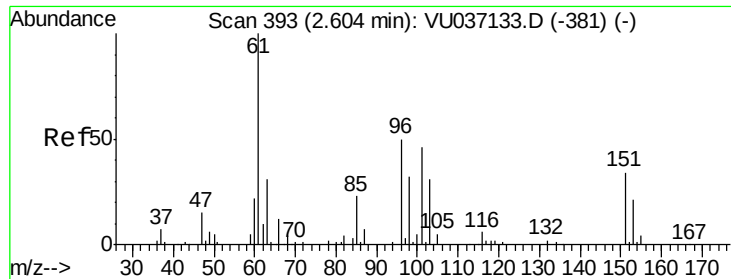
Tgt Ion	Ratio	Lower	Upper
101	100		
85	50.7	33.9	50.9
151	72.2	59.8	89.8



Abundance Ion 101.00 (100.70 to 101.70): V
Ion 85.00 (84.70 to 85.70): VU
Ion 151.00 (150.70 to 151.70): V



Time-->



#9

1,1-Dichloroethene

Concen: 8.505 ug/l

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037133.D

Acq: 09 Mar 2020 14:20

Instrument :

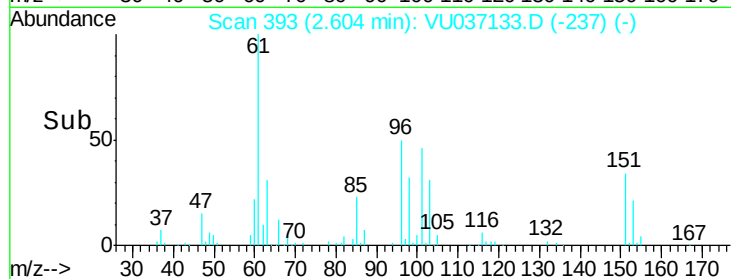
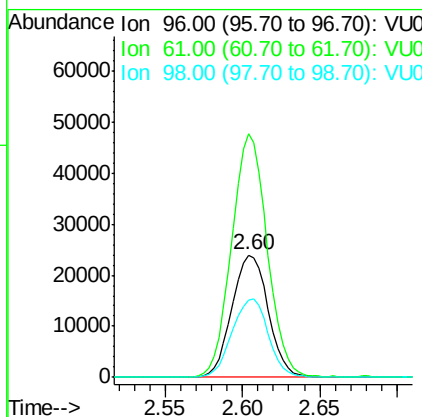
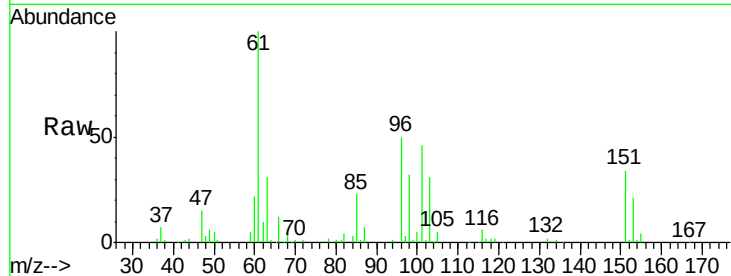
MSVOA_U

ClientSampleId :

VSTDICCC010

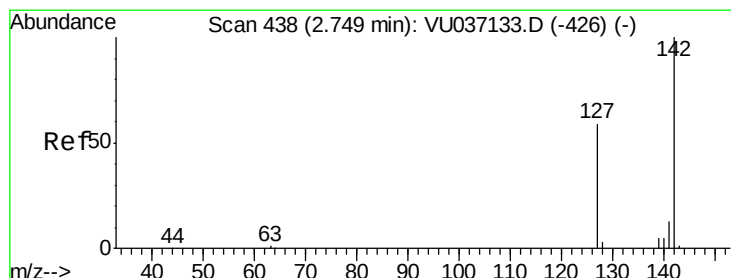
Tot Ion:	96	Resp:	39101
Ion	Ratio	Lower	Upper
96	100		
61	199.0	0.0	463.2
98	62.7	0.0	130.0

Manual Integrations
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#10

Iodomethane

Concen: 4.437 ug/l

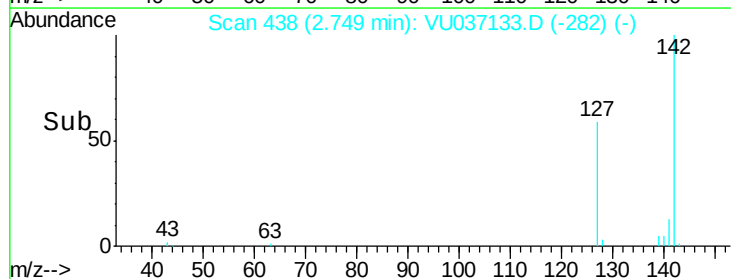
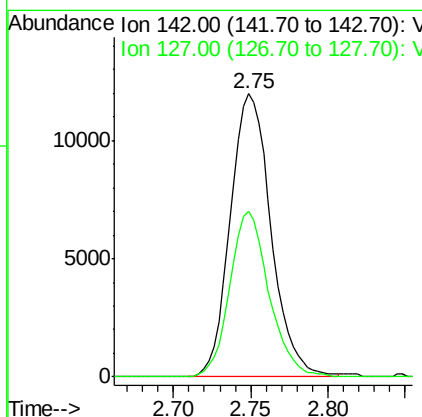
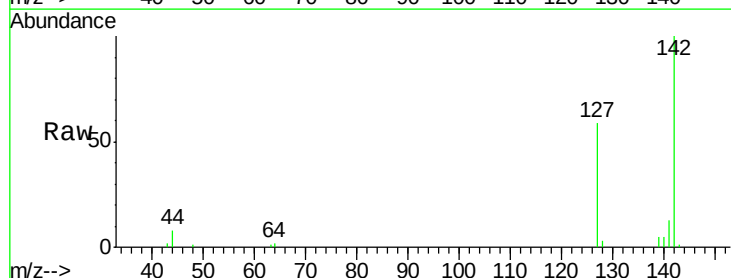
RT: 2.75 min Scan# 438

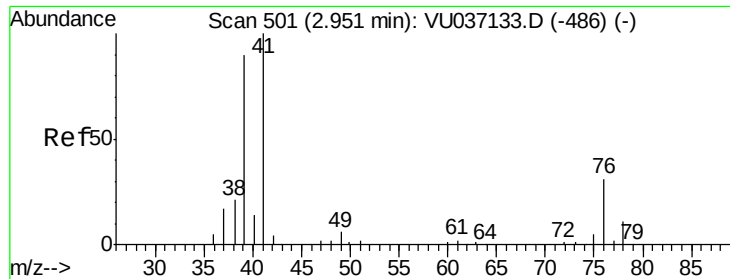
Delta R.T. 0.00 min

Lab File: VU037133.D

Acq: 09 Mar 2020 14:20

Tgt Ion:	142	Resp:	21883
Ion	Ratio	Lower	Upper
142	100		
127	56.1	30.3	45.5#



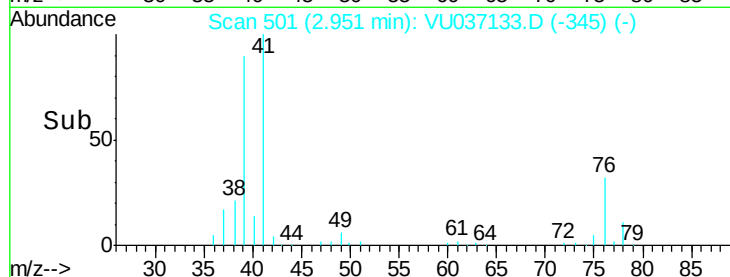
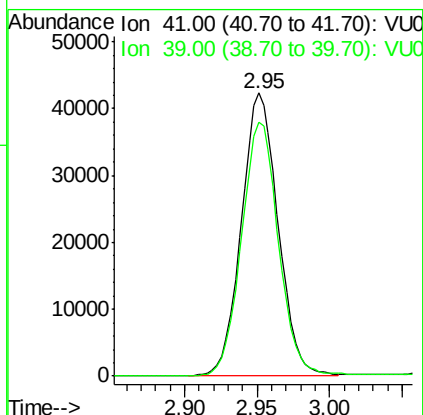
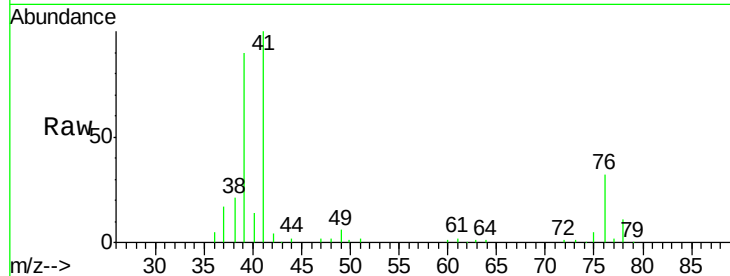


#11
Allvl Chloride
Concen: 11.725 ug/l
RT: 2.95 min Scan# 501
Delta R.T. 0.00 min
Lab File: VU037133.D
Acq: 09 Mar 2020 14:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

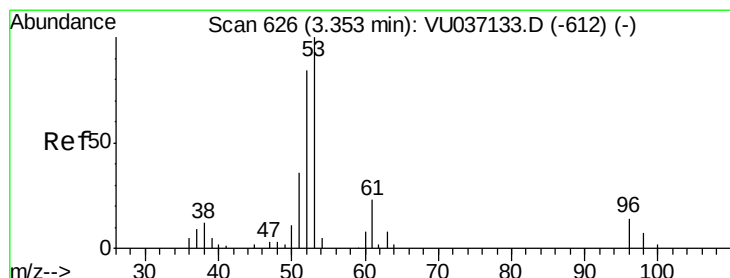
Tot Ion: 41 Resp: 74531
Ion Ratio Lower Upper
41 100
39 91.0 50.7 76.1#

Manual Integrations
APPROVED



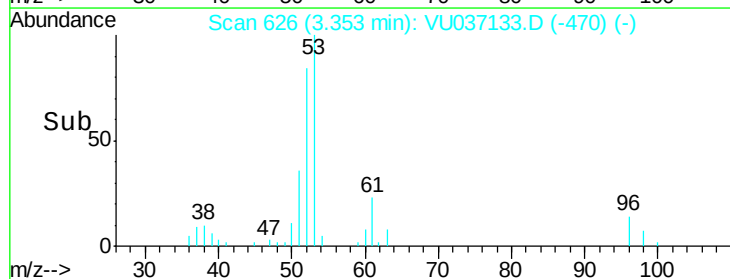
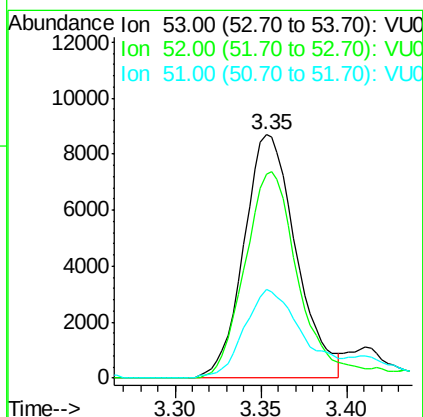
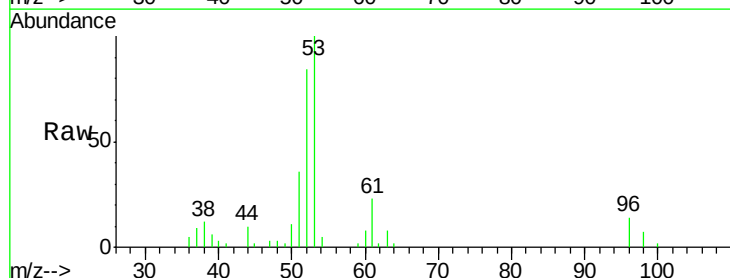
sam

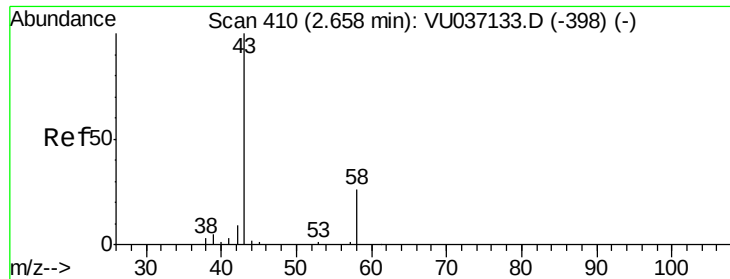
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#12
Acrylonitrile
Concen: 16.274 ug/l
RT: 3.35 min Scan# 626
Delta R.T. 0.00 min
Lab File: VU037133.D
Acq: 09 Mar 2020 14:20

Tgt Ion: 53 Resp: 18351
Ion Ratio Lower Upper
53 100
52 86.2 64.6 97.0
51 40.9 27.2 40.8#





#13

Acetone

Concen: 49.587 ug/l

RT: 2.66 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU037133.D

Acq: 09 Mar 2020 14:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

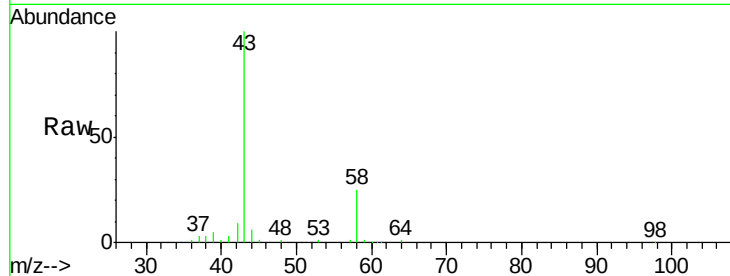
Tot Ion: 43 Resp: 45582

Ion Ratio Lower Upper

43 100

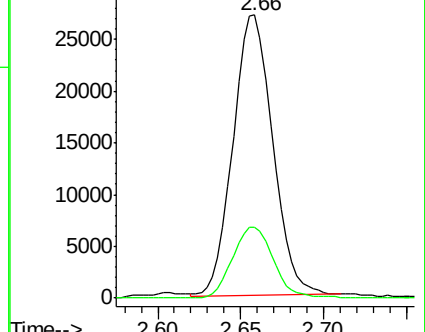
58 25.6 30.8 46.2#

Manual Integrations
APPROVED



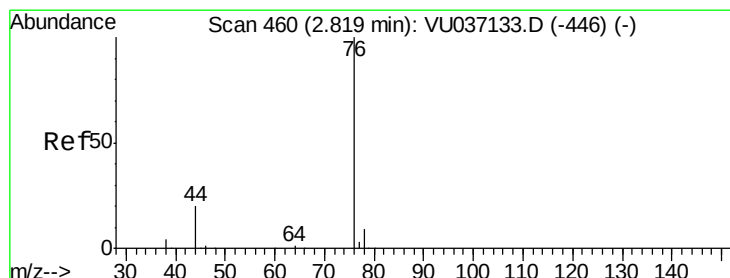
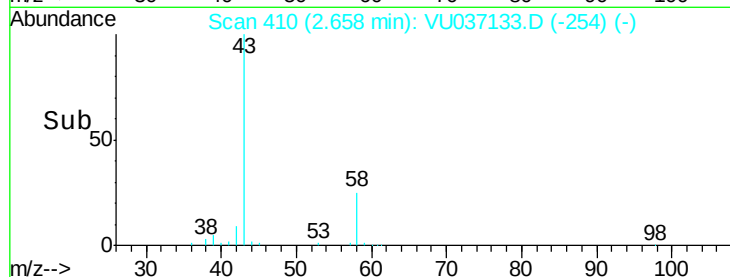
Abundance Ion 43.00 (42.70 to 43.70): VU037133.D (-398) (-)

Ion 58.00 (57.70 to 58.70): VU037133.D (-398) (-)



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#14

Carbon Disulfide

Concen: 8.207 ug/l

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU037133.D

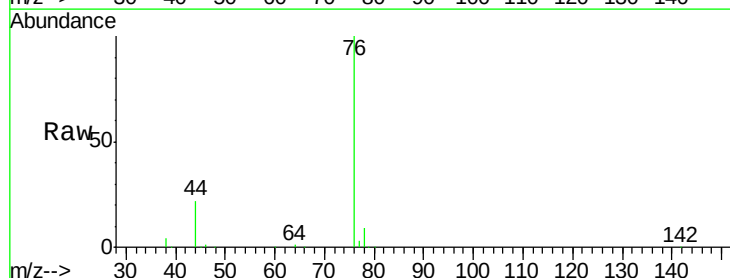
Acq: 09 Mar 2020 14:20

Tgt Ion: 76 Resp: 130668

Ion Ratio Lower Upper

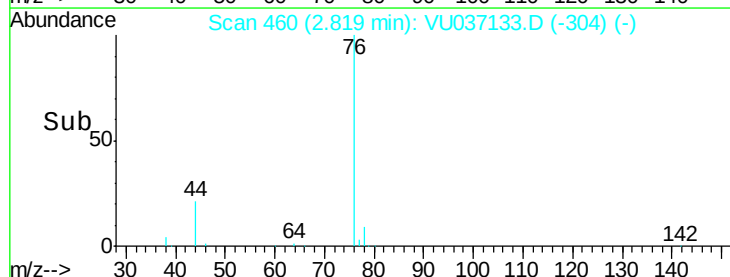
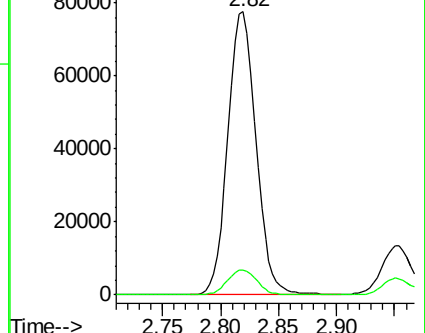
76 100

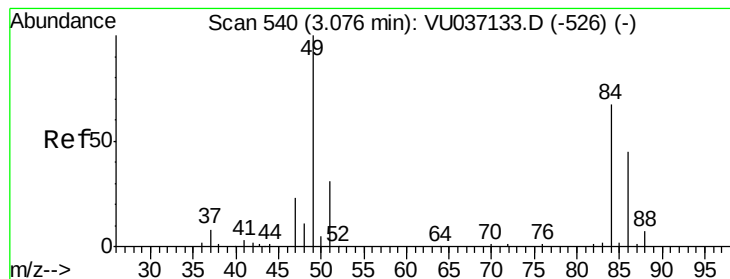
78 9.0 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VU037133.D (-446) (-)

Ion 78.00 (77.70 to 78.70): VU037133.D (-446) (-)





#15

Methylene Chloride

Concen: 7.132 ug/l

RT: 3.08 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU037133.D

Acq: 09 Mar 2020 14:20

Instrument :

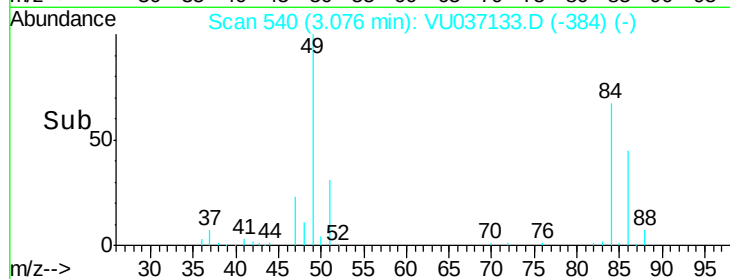
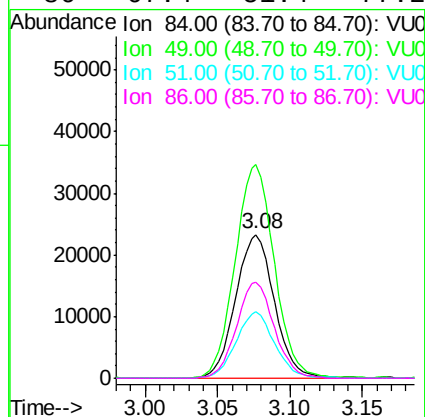
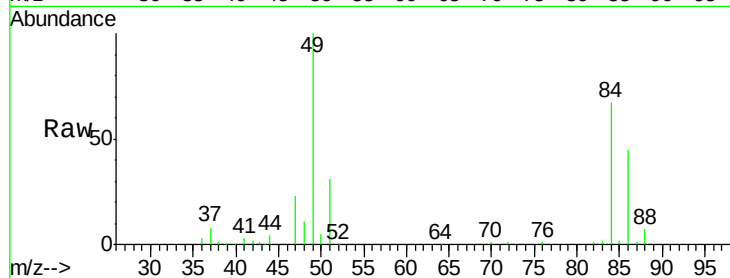
MSVOA_U

ClientSampleId :

VSTDICCC010

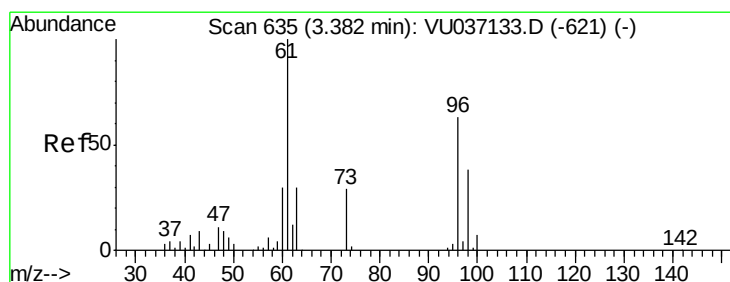
Tot Ion:	84	Resp:	43187
Ion	Ratio	Lower	Upper
84	100		
49	148.9	89.7	134.5#
51	46.1	0.0	71.6
86	67.4	51.4	77.2

Manual Integrations
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#16

trans-1,2-Dichloroethene

Concen: 8.195 ug/l

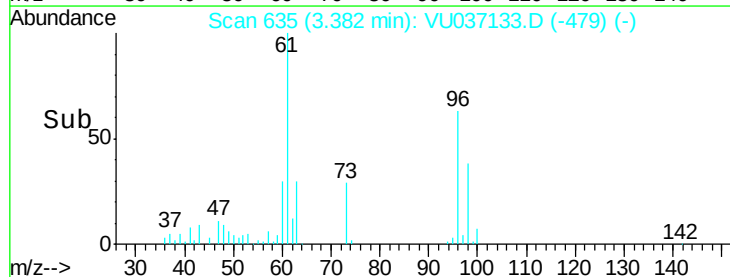
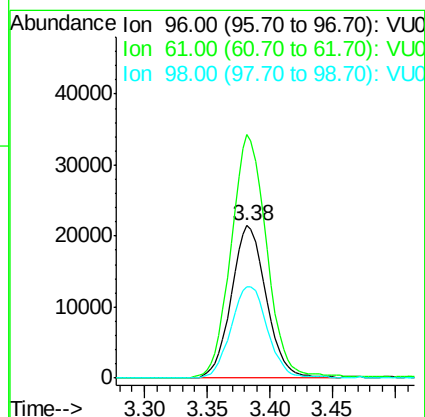
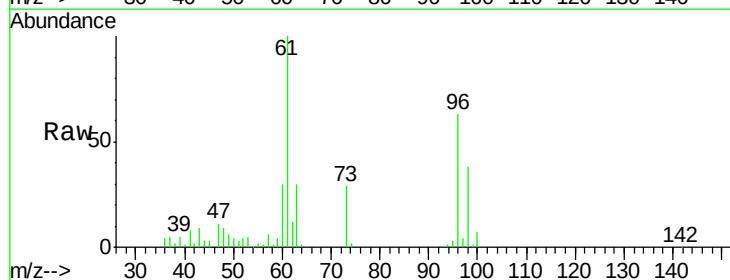
RT: 3.38 min Scan# 635

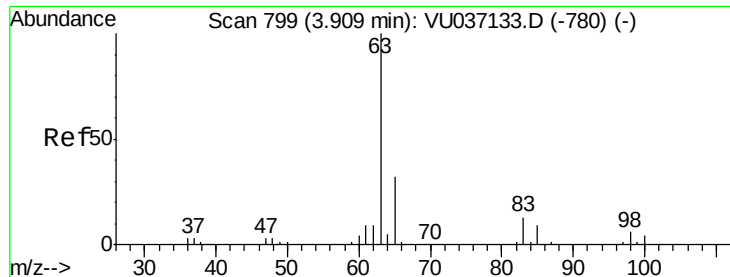
Delta R.T. 0.00 min

Lab File: VU037133.D

Acq: 09 Mar 2020 14:20

Tgt Ion:	96	Resp:	41559
Ion	Ratio	Lower	Upper
96	100		
61	159.7	110.8	166.2
98	60.1	50.3	75.5



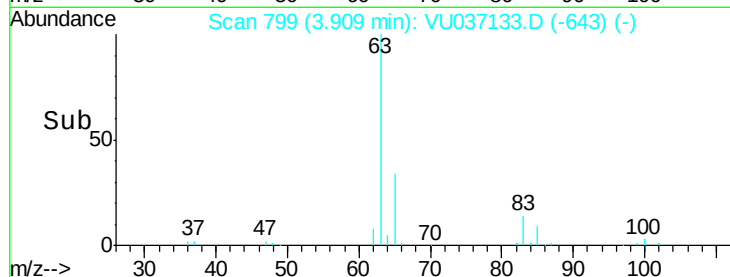
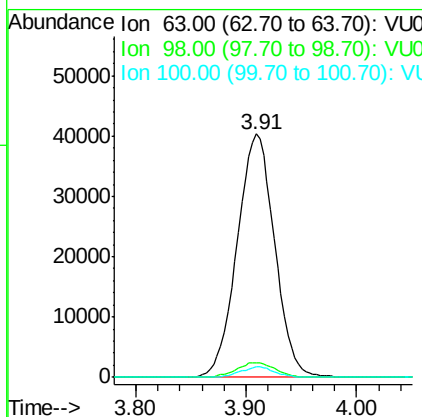
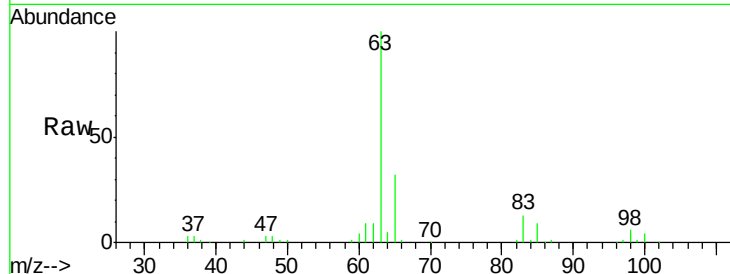


#17
 1,1-Dichloroethane
 Concen: 11.489 ug/l
 RT: 3.91 min Scan# 799
 Delta R.T. 0.00 min
 Lab File: VU037133.D
 Acq: 09 Mar 2020 14:20

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDICCC010

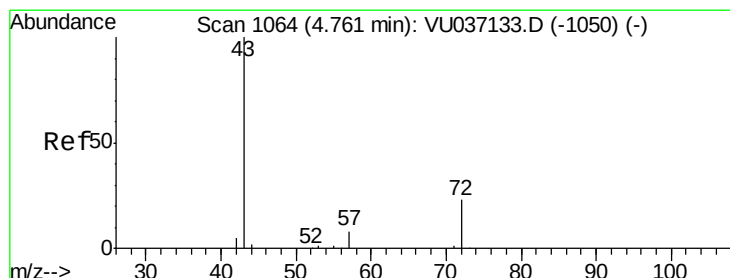
Tot Ion	Ratio	Lower	Upper
63	100		
98	6.1	3.5	10.5
100	4.2	2.4	7.1

Manual Integrations
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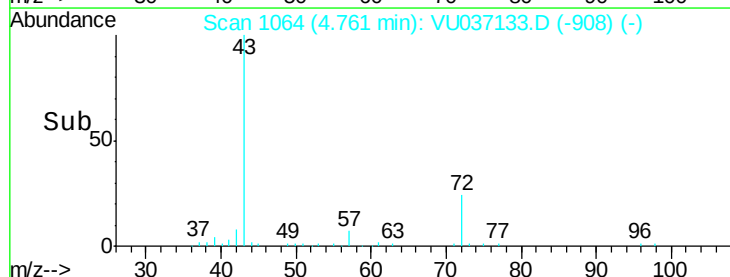
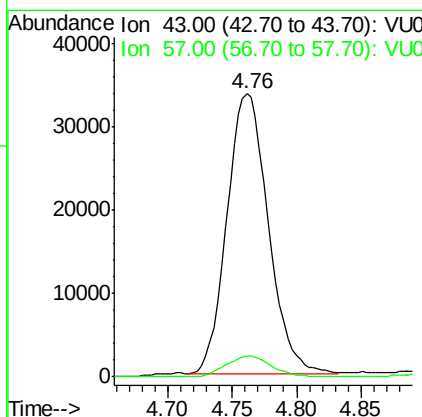
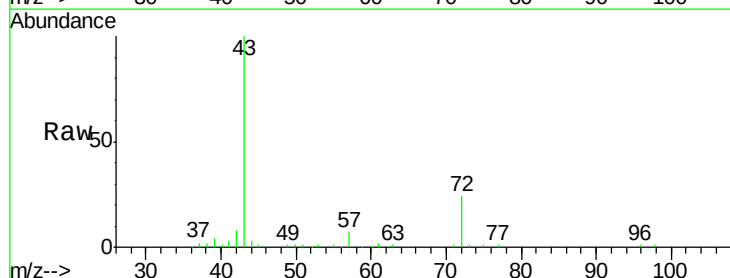
sam

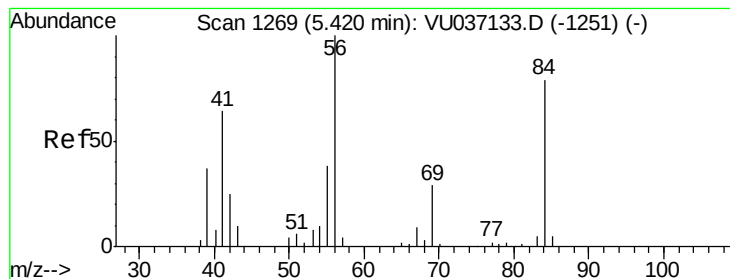
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#18
 2-Butanone
 Concen: 61.840 ug/l
 RT: 4.76 min Scan# 1064
 Delta R.T. 0.00 min
 Lab File: VU037133.D
 Acq: 09 Mar 2020 14:20

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.5	0.0	17.8





#19

Cyclohexane

Concen: 11.428 ug/l m

RT: 5.42 min Scan# 1269

Delta R.T. 0.00 min

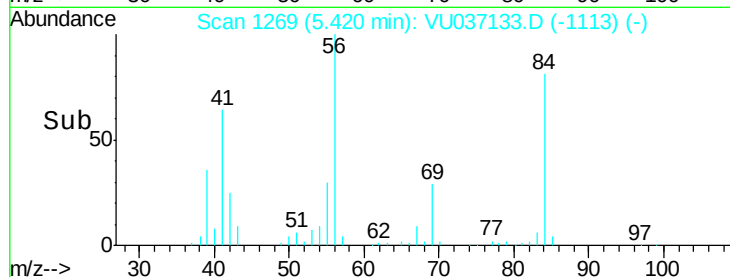
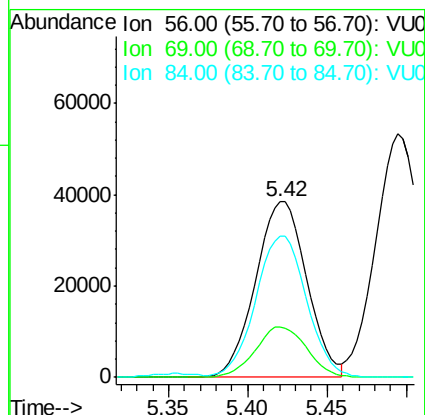
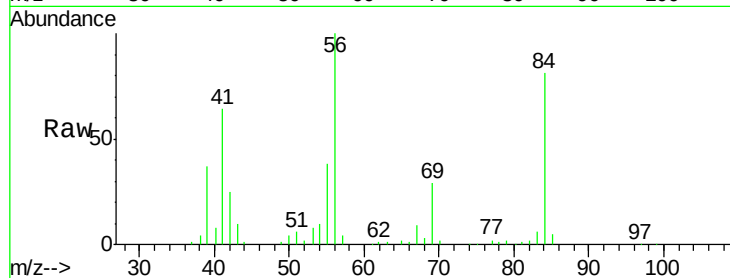
Lab File: VU037133.D

Acq: 09 Mar 2020 14:20

Tot Ion:	56	Resp:	86324
Ion	Ratio	Lower	Upper
56	100		
69	28.8	26.2	39.2
84	78.2	72.8	109.2

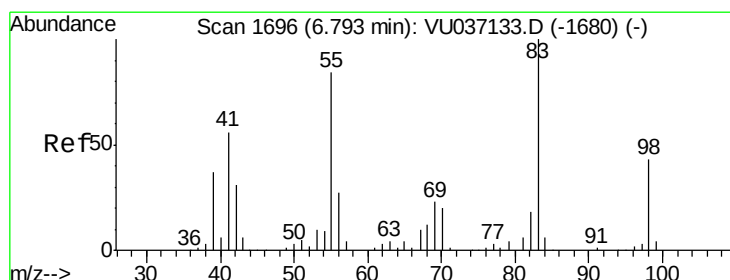
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Manual Integrations
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#20

Methylcyclohexane

Concen: 10.087 ug/l

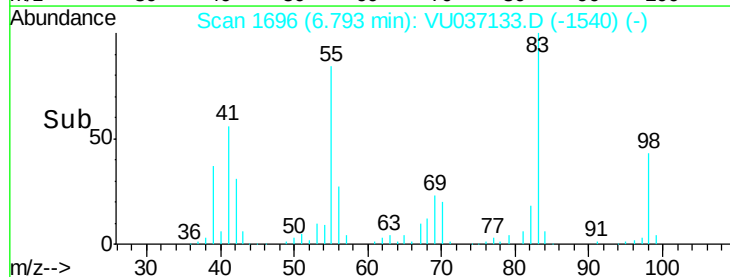
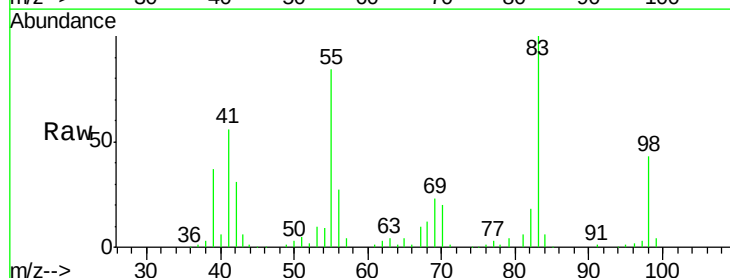
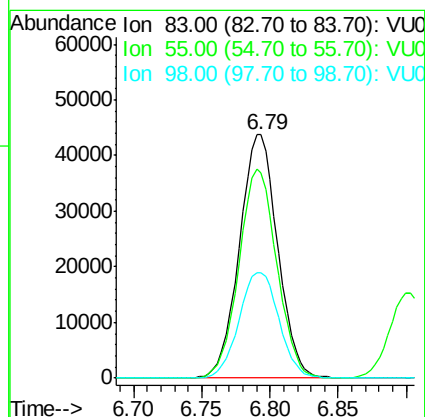
RT: 6.79 min Scan# 1696

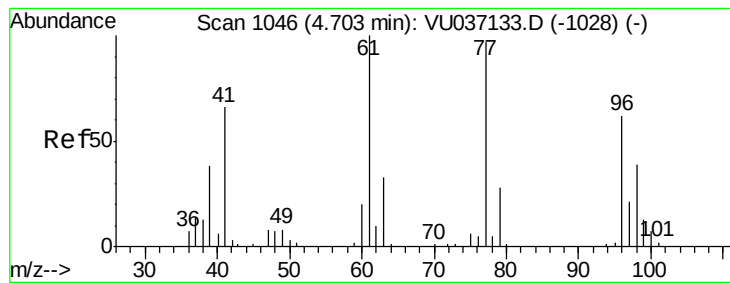
Delta R.T. 0.00 min

Lab File: VU037133.D

Acq: 09 Mar 2020 14:20

Tgt Ion:	83	Resp:	85071
Ion	Ratio	Lower	Upper
83	100		
55	85.4	56.6	85.0#
98	45.3	37.5	56.3





#21

2,2-Dichloropropane

Concen: 12.213 ug/l

RT: 4.70 min Scan# 1046

Delta R.T. 0.00 min

Lab File: VU037133.D

Acq: 09 Mar 2020 14:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

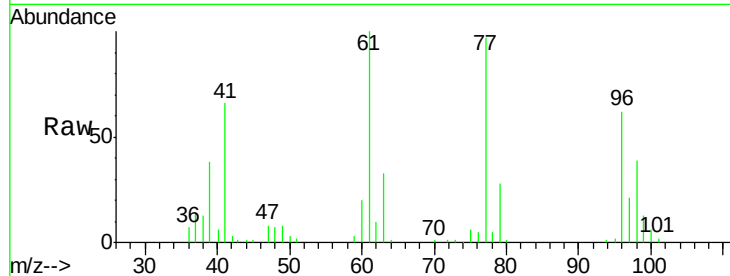
Tot Ion: 77 Resp: 86168

Ion Ratio Lower Upper

77 100

97 21.2 19.0 28.4

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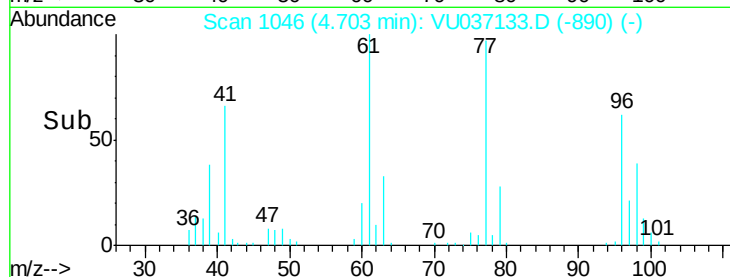


Abundance Ion 77.00 (76.70 to 77.70): VU037133.D (-1028) (-)

Ion 97.00 (96.70 to 97.70): VU037133.D (-1028) (-)

4.70

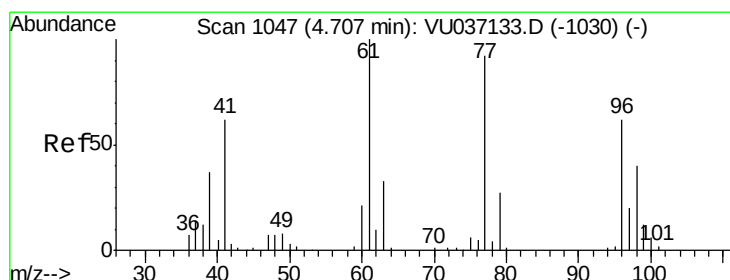
4.60 4.70 4.80



Time-->

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#22

cis-1,2-Dichloroethene

Concen: 9.925 ug/l

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU037133.D

Acq: 09 Mar 2020 14:20

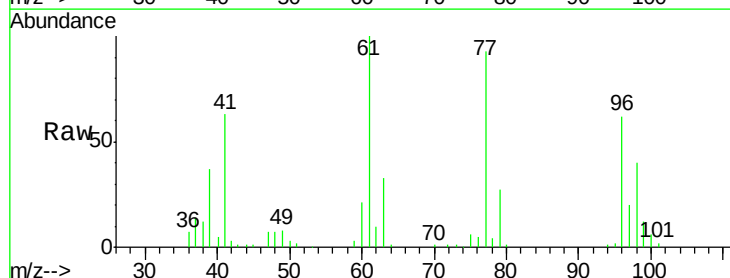
Tgt Ion: 96 Resp: 52225

Ion Ratio Lower Upper

96 100

61 166.1 0.0 342.0

98 65.1 32.0 96.0



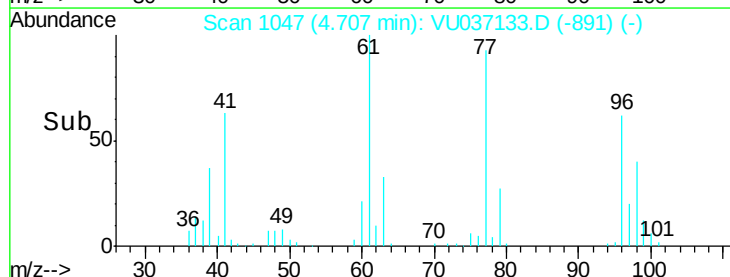
Abundance Ion 96.00 (95.70 to 96.70): VU037133.D (-1030) (-)

Ion 61.00 (60.70 to 61.70): VU037133.D (-1030) (-)

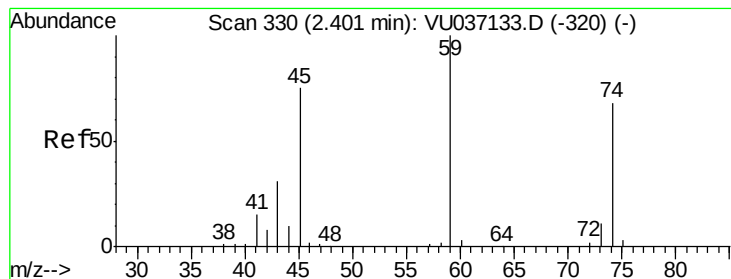
Ion 98.00 (97.70 to 98.70): VU037133.D (-1030) (-)

4.71

4.60 4.65 4.70 4.75 4.80



Time-->



#23

Diethyl Ether

Concen: 9.126 ug/l

RT: 2.40 min Scan# 330

Delta R.T. 0.00 min

Lab File: VU037133.D

Acq: 09 Mar 2020 14:20

Instrument :

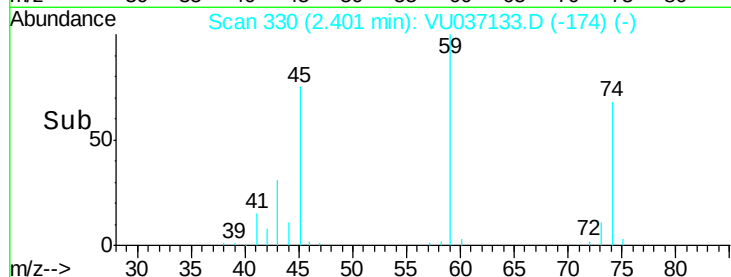
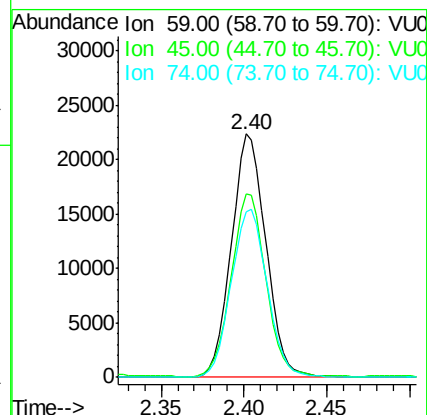
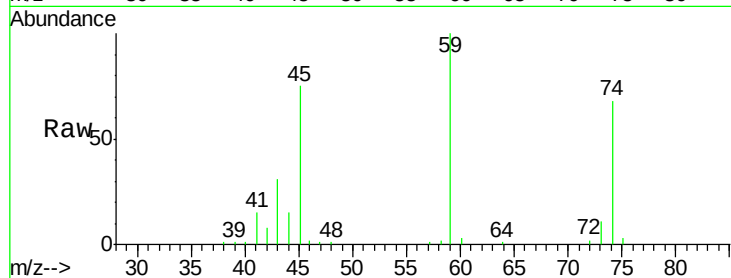
MSVOA_U

ClientSampleId :

VSTDICCC010

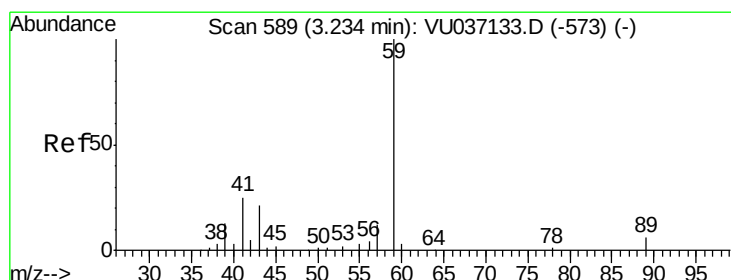
Tot Ion:	59	Resp:	32409
Ion	Ratio	Lower	Upper
59	100		
45	76.0	52.4	78.6
74	71.8	62.1	93.1

Manual Integrations
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#24

tert-Butyl Alcohol

Concen: 118.332 ug/l

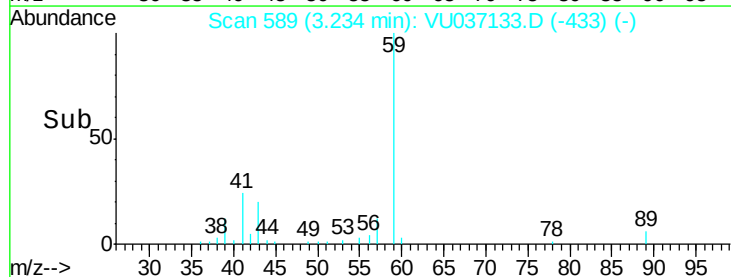
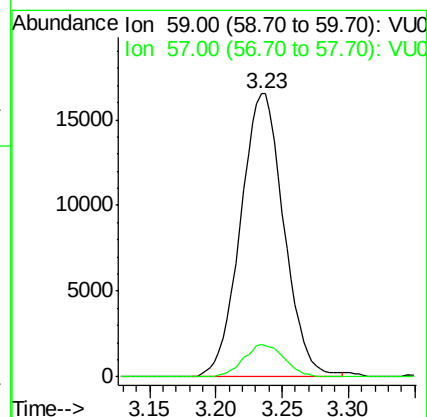
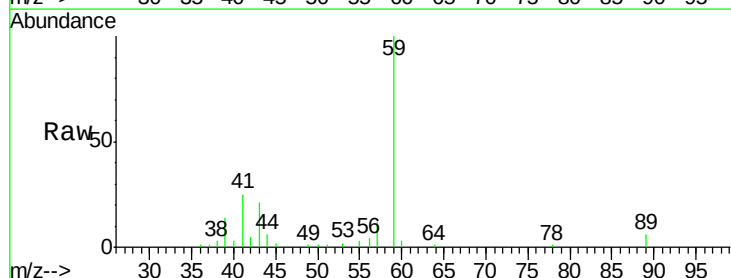
RT: 3.23 min Scan# 589

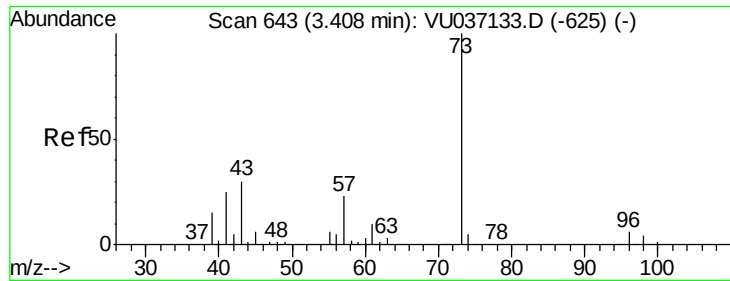
Delta R.T. 0.00 min

Lab File: VU037133.D

Acq: 09 Mar 2020 14:20

Tgt Ion:	59	Resp:	37558
Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.4	12.6



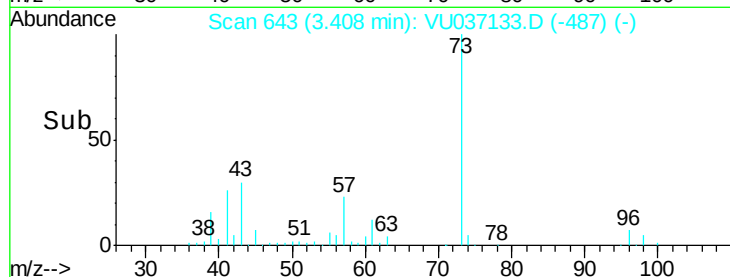
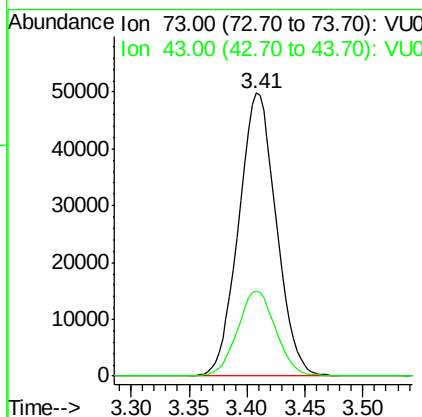
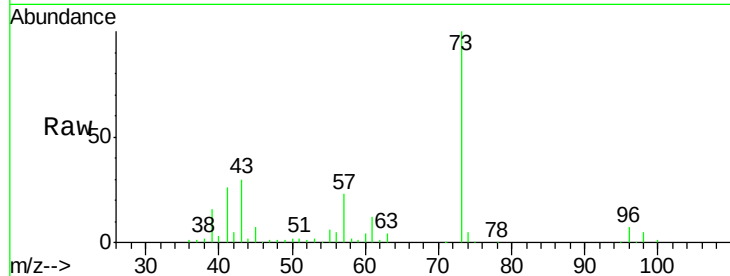


#25
Methyl tert-Butyl Ether
Concen: 9.360 ug/l
RT: 3.41 min Scan# 643
Delta R.T. 0.00 min
Lab File: VU037133.D
Acq: 09 Mar 2020 14:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

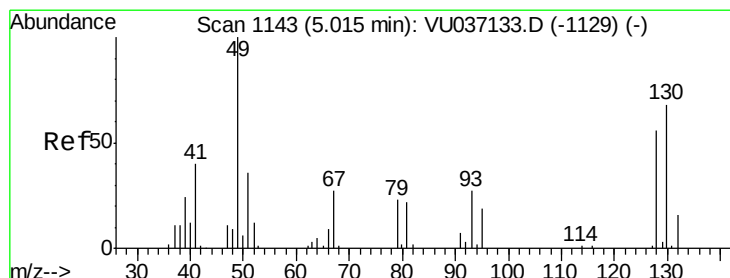
Tot Ion: 73 Resp: 112757
Ion Ratio Lower Upper
73 100
43 30.8 14.5 21.7#

Manual Integrations
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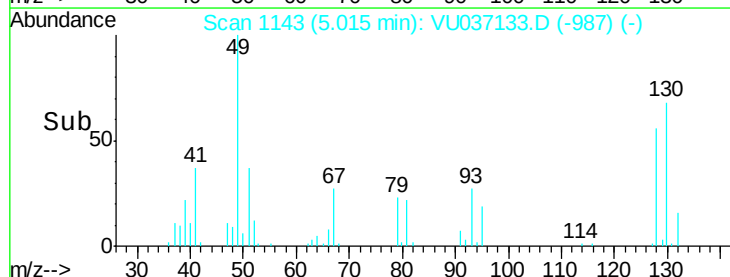
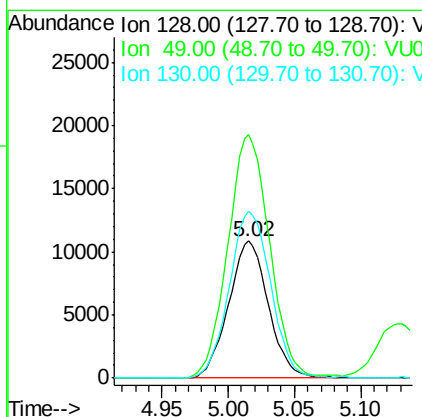
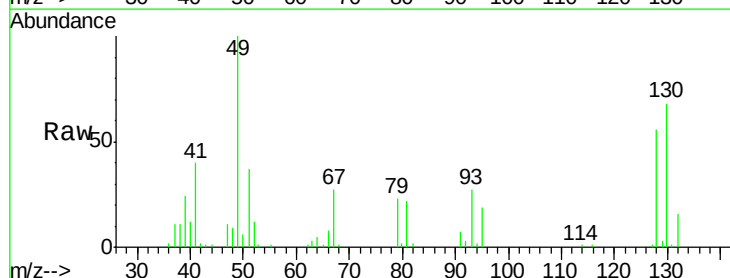
sam

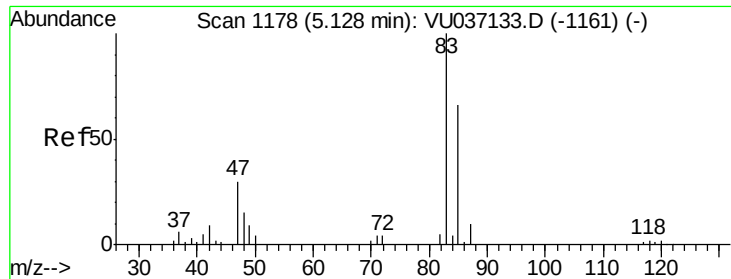
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#26
Bromochloromethane
Concen: 9.958 ug/l
RT: 5.02 min Scan# 1143
Delta R.T. 0.00 min
Lab File: VU037133.D
Acq: 09 Mar 2020 14:20

Tgt Ion: 128 Resp: 22693
Ion Ratio Lower Upper
128 100
49 185.3 0.0 286.2
130 126.4 104.3 156.5



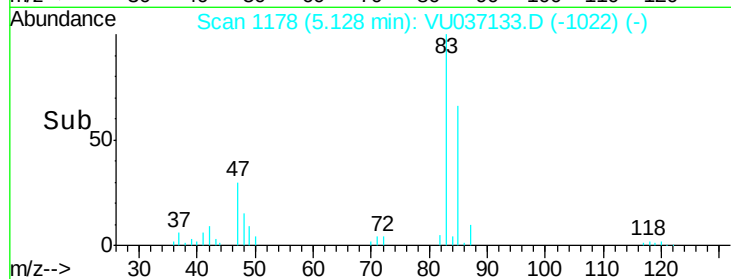
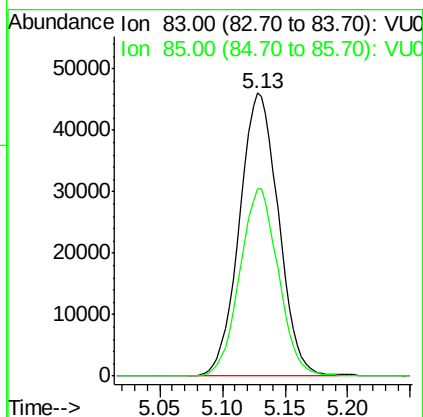
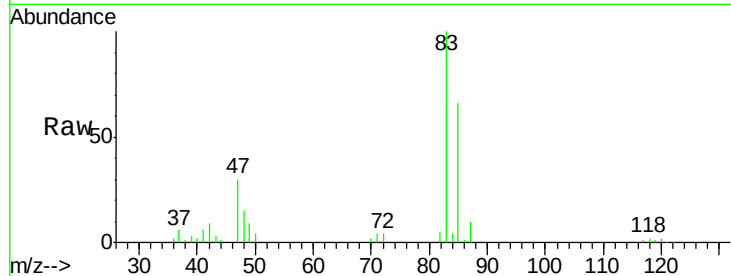


#27
Chloroform
Concen: 12.176 ug/l
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU037133.D
Acq: 09 Mar 2020 14:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

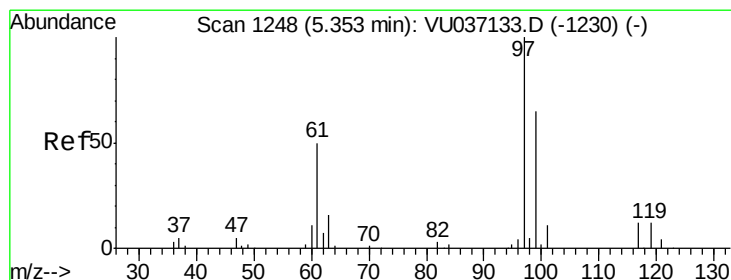
Tot Ion	83	Resp	99534
Ion Ratio	100	Lower	Upper
85	66.2	0.0	129.0

Manual Integrations
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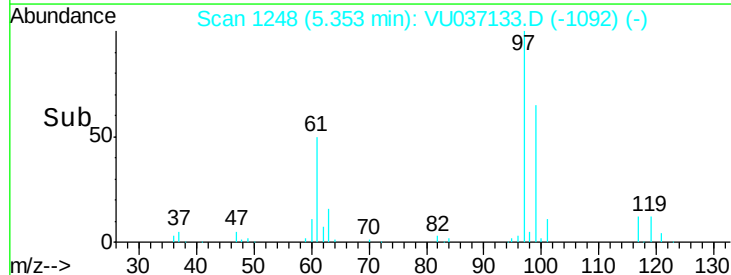
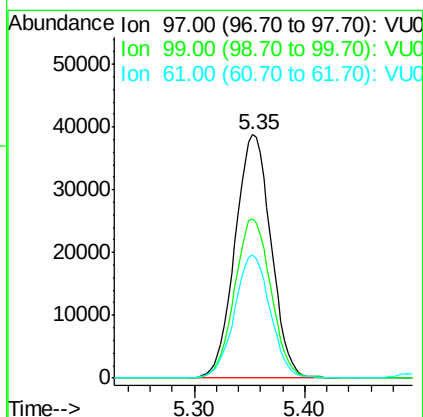
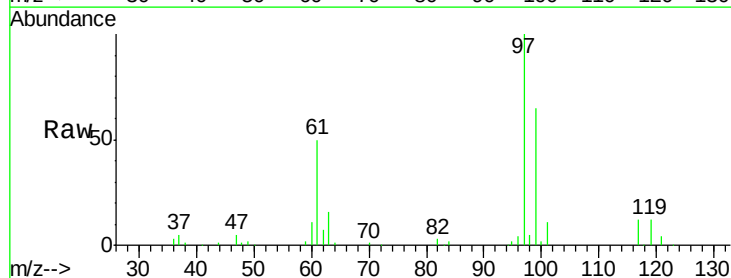
sam

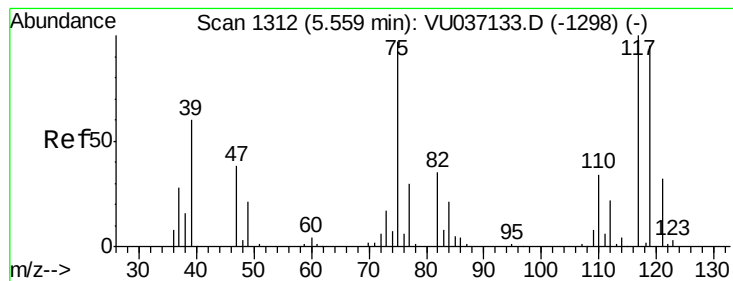
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#28
1,1,1-Trichloroethane
Concen: 12.796 ug/l
RT: 5.35 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VU037133.D
Acq: 09 Mar 2020 14:20

Tgt Ion	97	Resp	87711
Ion Ratio	100	Lower	Upper
99	66.0	32.1	96.3
61	50.3	22.7	68.0





#29

1,1-Dichloropropene

Concen: 10.867 ug/l

RT: 5.56 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU037133.D

Acq: 09 Mar 2020 14:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion: 75 Resp: 72701

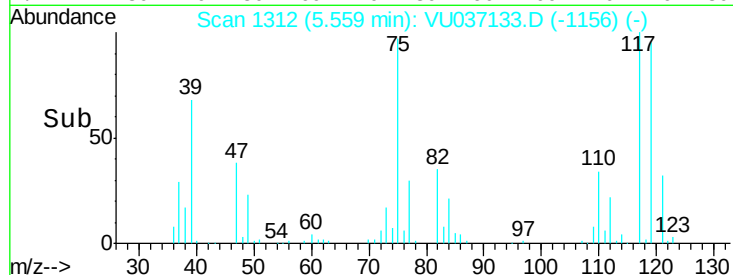
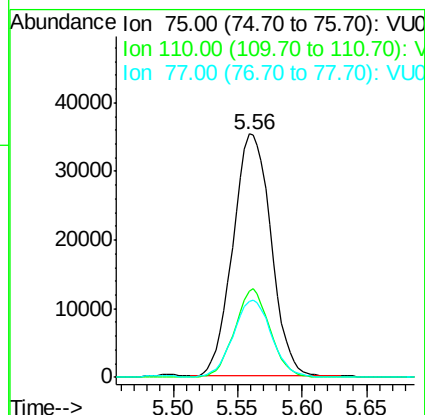
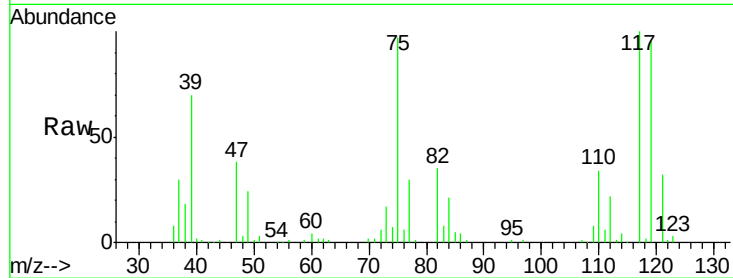
Ion Ratio Lower Upper

75 100

110 33.8 18.6 55.8

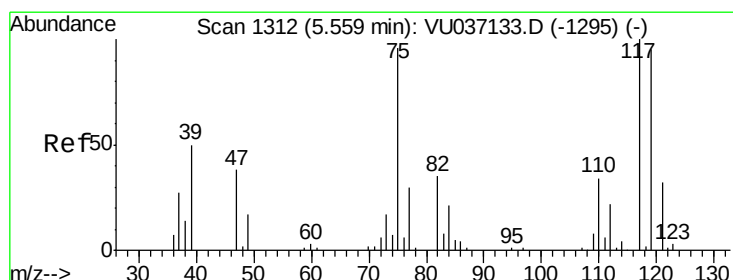
77 32.3 25.0 37.4

Manual Integrations
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#30

Carbon Tetrachloride

Concen: 13.494 ug/l

RT: 5.56 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU037133.D

Acq: 09 Mar 2020 14:20

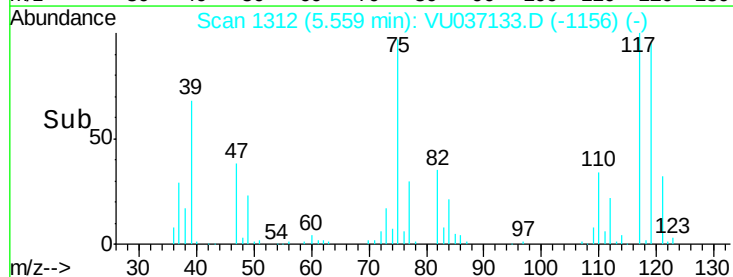
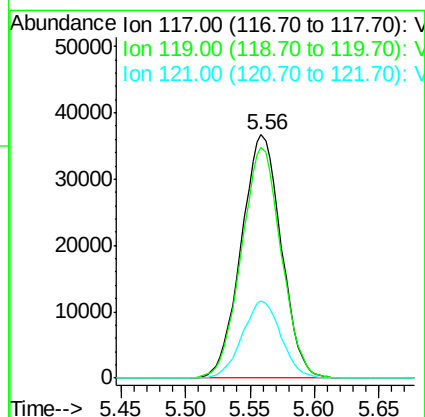
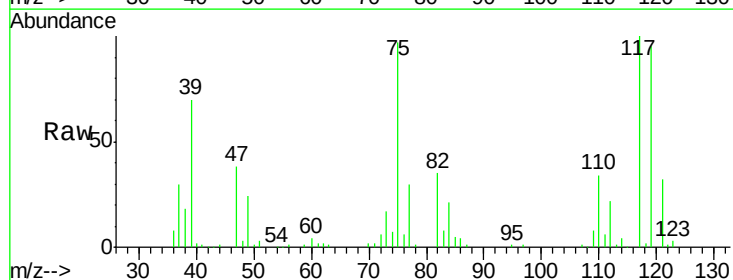
Tgt Ion: 117 Resp: 79200

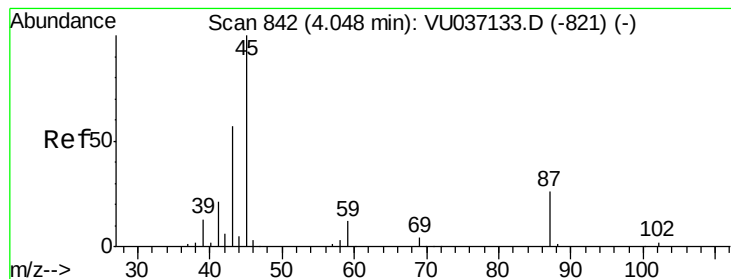
Ion Ratio Lower Upper

117 100

119 95.1 77.0 115.6

121 31.8 23.3 34.9





#31

Isopropyl Ether

Concen: 12.486 ug/l

RT: 4.05 min Scan# 842

Delta R.T. 0.00 min

Lab File: VU037133.D

Acq: 09 Mar 2020 14:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

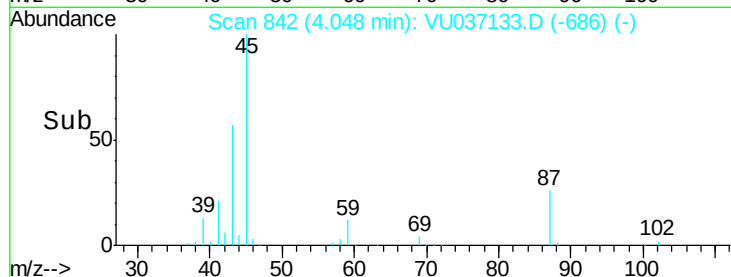
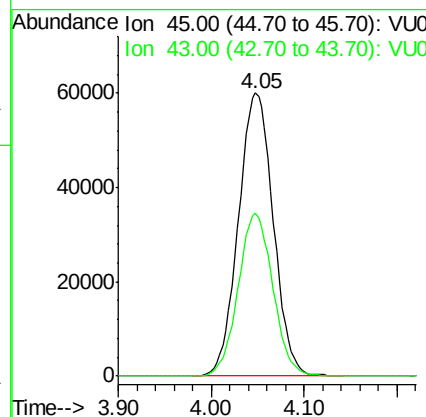
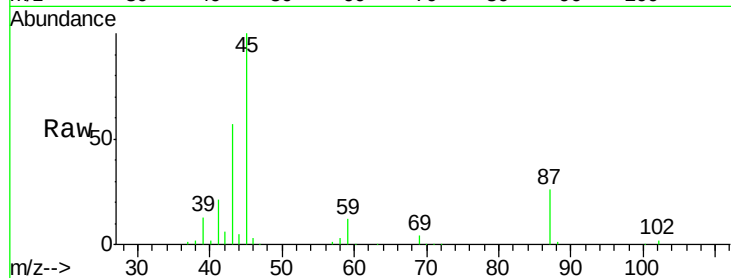
Tot Ion: 45 Resp: 156639

Ion Ratio Lower Upper

45 100

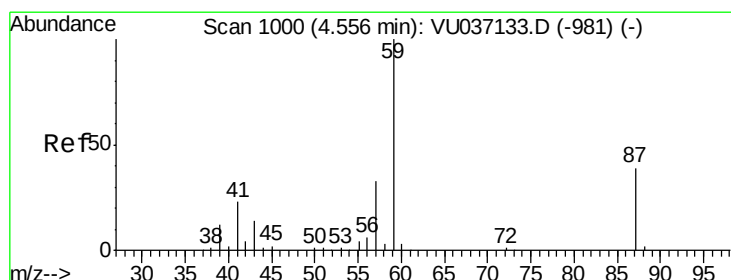
43 57.2 24.0 72.0

Manual Integrations
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#32

Ethyl-t-butyl ether

Concen: 11.363 ug/l

RT: 4.56 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VU037133.D

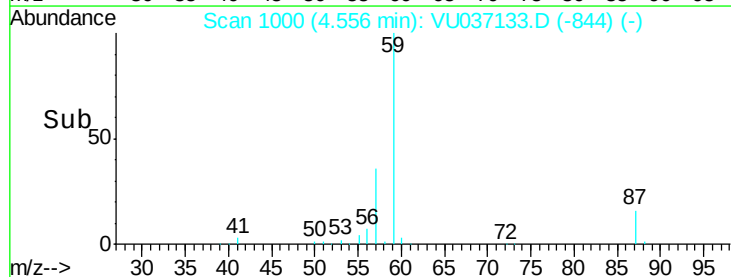
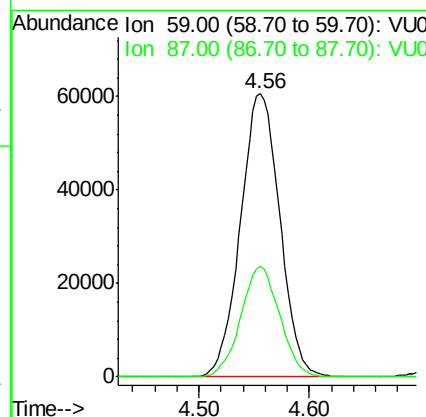
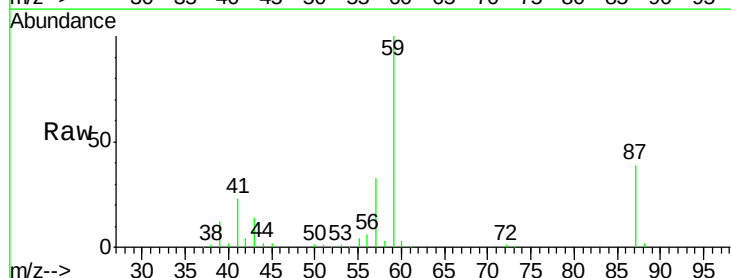
Acq: 09 Mar 2020 14:20

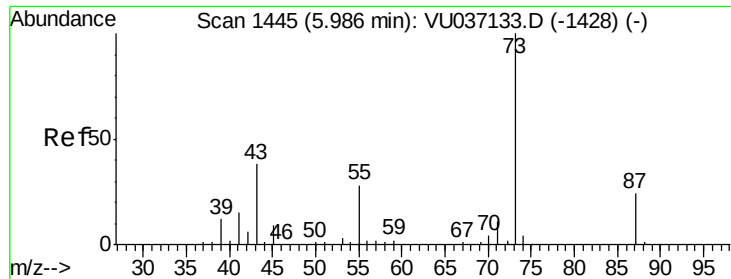
Tgt Ion: 59 Resp: 149147

Ion Ratio Lower Upper

59 100

87 38.7 35.1 52.7



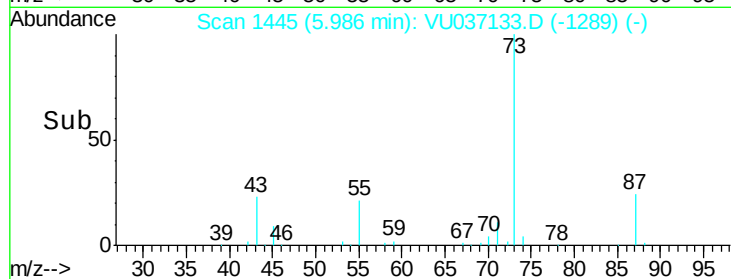
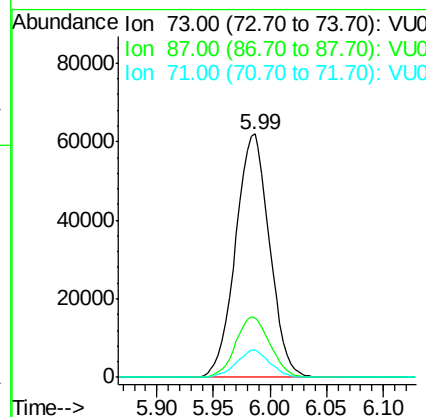
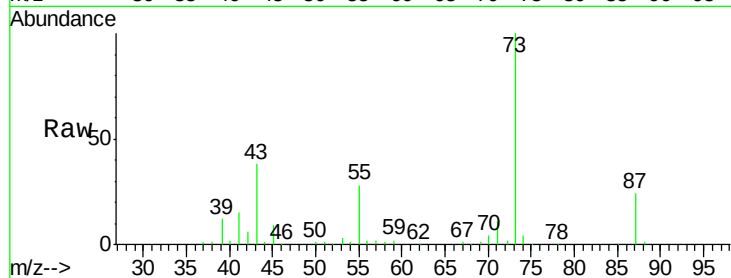


#33
Tert-Butyl methyl ether
Concen: 10.754 ug/l
RT: 5.99 min Scan# 1445
Delta R.T. 0.00 min
Lab File: VU037133.D
Acq: 09 Mar 2020 14:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

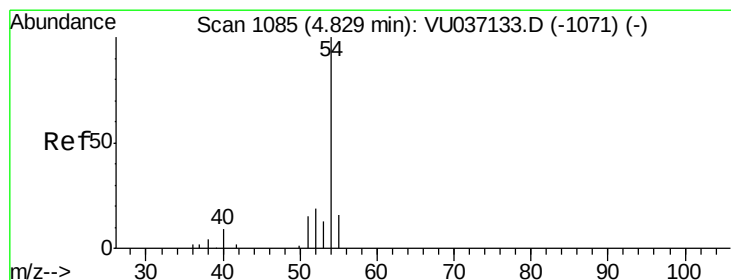
Tot Ion	73	Resp	129247
Ion	Ratio	Lower	Upper
73	100		
87	25.0	19.8	29.6
71	11.0	9.1	13.7

Manual Integrations
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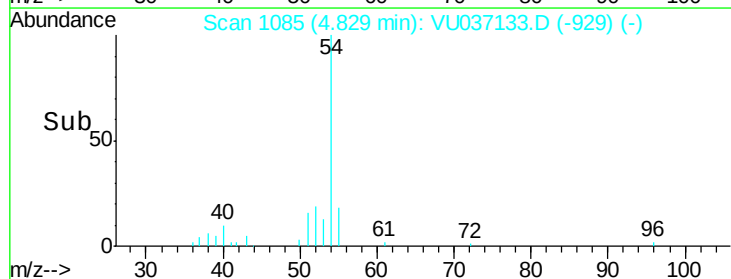
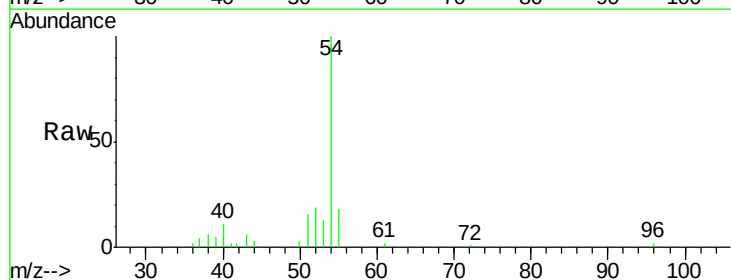
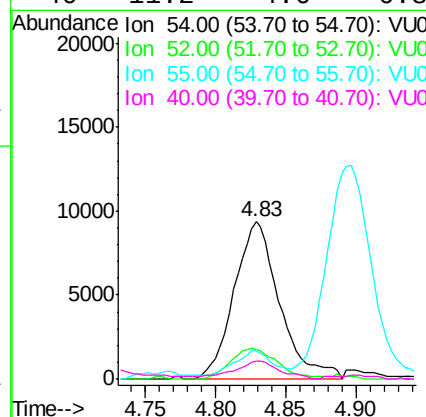
sam

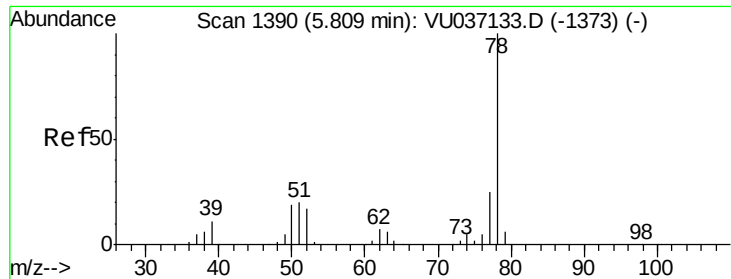
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#34
Propionitrile
Concen: 60.349 ug/l
RT: 4.83 min Scan# 1085
Delta R.T. 0.00 min
Lab File: VU037133.D
Acq: 09 Mar 2020 14:20

Tgt Ion	54	Resp	21060
Ion	Ratio	Lower	Upper
54	100		
52	20.2	15.2	22.8
55	14.1	9.5	14.3
40	11.2	4.6	6.8





#35

Benzene

Concen: 10.533 ug/l

RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VU037133.D

Acq: 09 Mar 2020 14:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion: 78 Resp: 204041

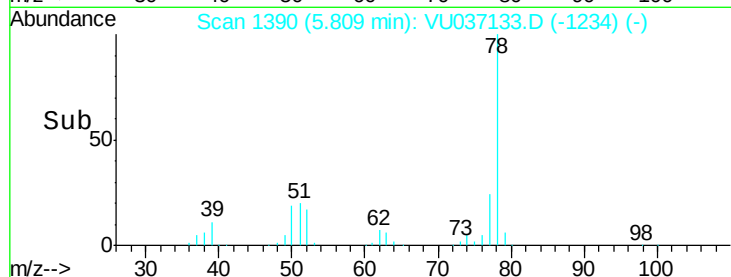
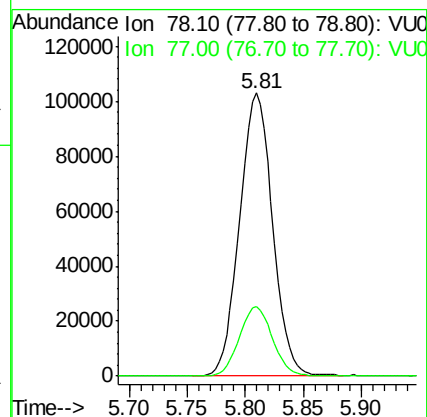
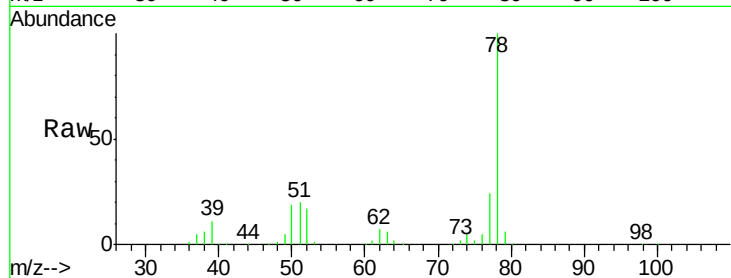
Ion Ratio Lower Upper

78 100

77 24.5 19.4 29.0

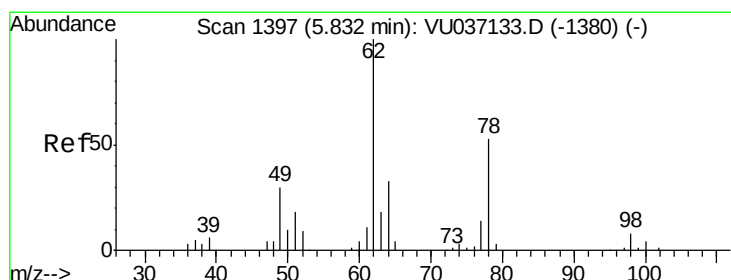
Manual Integrations

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#36

1,2-Dichloroethane

Concen: 13.806 ug/l

RT: 5.83 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VU037133.D

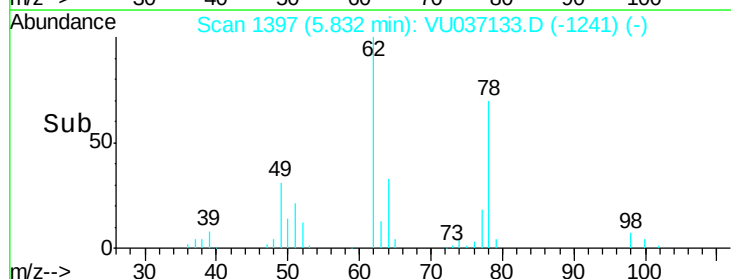
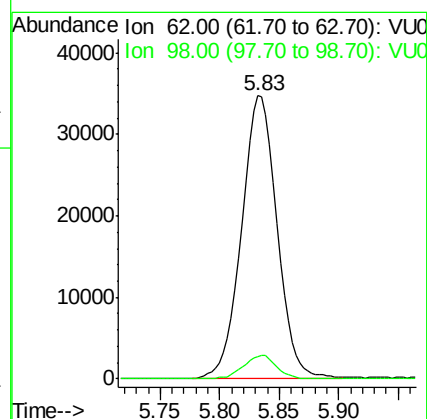
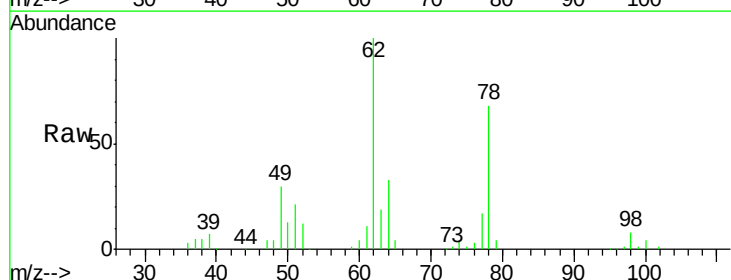
Acq: 09 Mar 2020 14:20

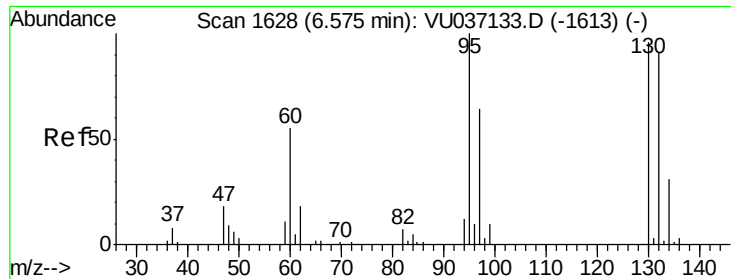
Tgt Ion: 62 Resp: 71994

Ion Ratio Lower Upper

62 100

98 7.6 7.8 11.8#



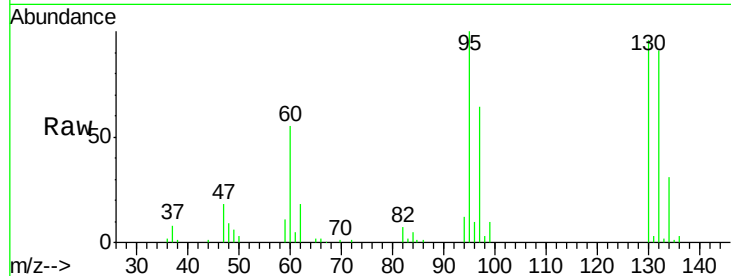


#37
 Trichloroethene
 Concen: 9.688 ug/l
 RT: 6.57 min Scan# 1628
 Delta R.T. 0.00 min
 Lab File: VU037133.D
 Acq: 09 Mar 2020 14:20

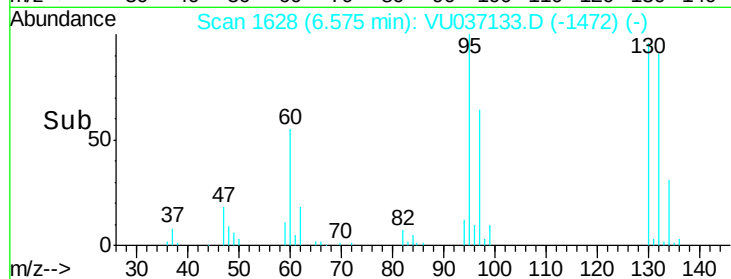
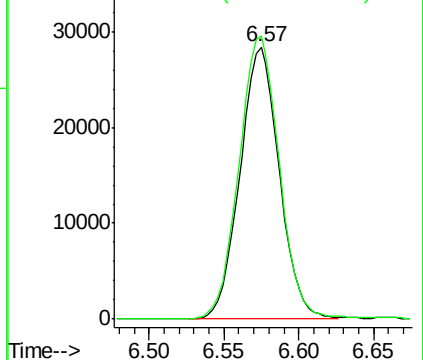
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tot Ion:130 Resp: 51813
 Ion Ratio Lower Upper
 130 100
 95 104.0 77.0 115.4

Manual Integrations
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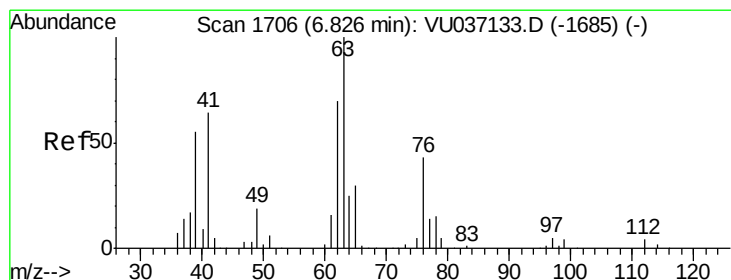


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VU0



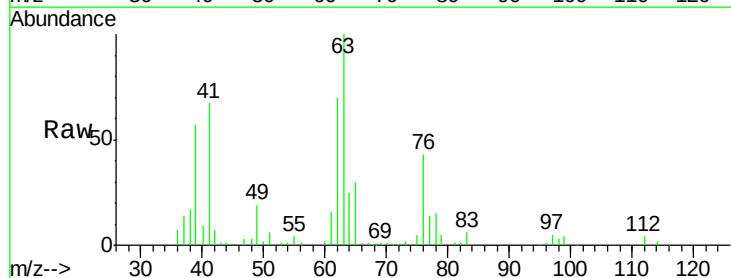
sam

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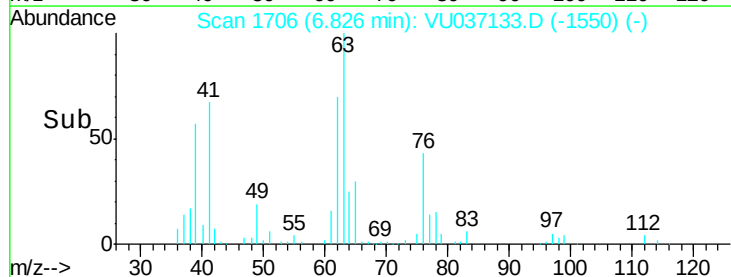
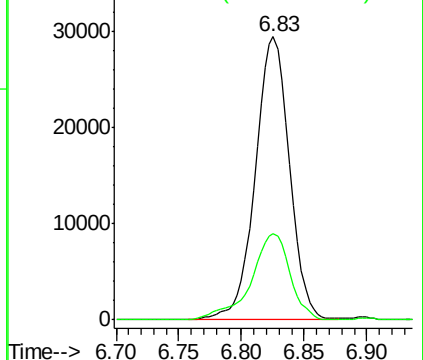


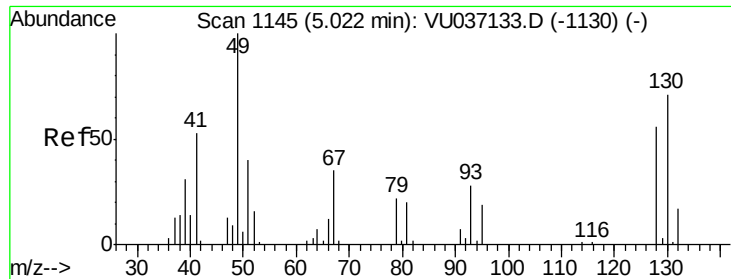
#38
 1,2-Dichloropropane
 Concen: 11.519 ug/l
 RT: 6.83 min Scan# 1706
 Delta R.T. 0.00 min
 Lab File: VU037133.D
 Acq: 09 Mar 2020 14:20

Tgt Ion: 63 Resp: 56104
 Ion Ratio Lower Upper
 63 100
 65 30.3 24.7 37.1



Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0



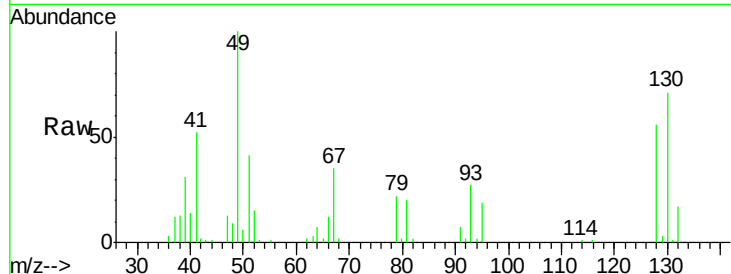


#39
Methacrylonitrile
Concen: 13.900 ug/l
RT: 5.02 min Scan# 1145
Delta R.T. 0.00 min
Lab File: VU037133.D
Acq: 09 Mar 2020 14:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion	41	Resp	20386
Ion	Ratio	Lower	Upper
41	100		
67	65.2	69.6	104.4#
39	59.1	41.6	62.4
52	29.5	25.9	38.9

Manual Integrations
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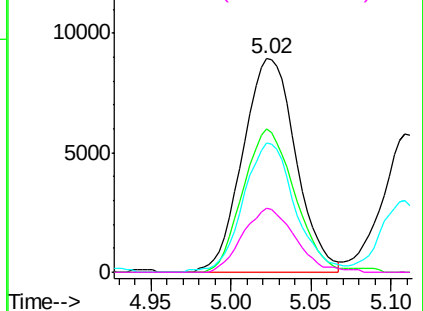
Abundance

Ion 41.00 (40.70 to 41.70): VU0

Ion 67.00 (66.70 to 67.70): VU0

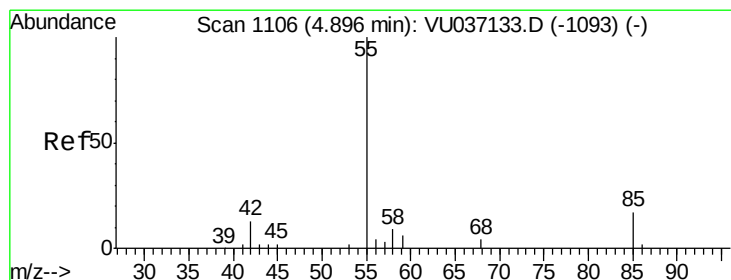
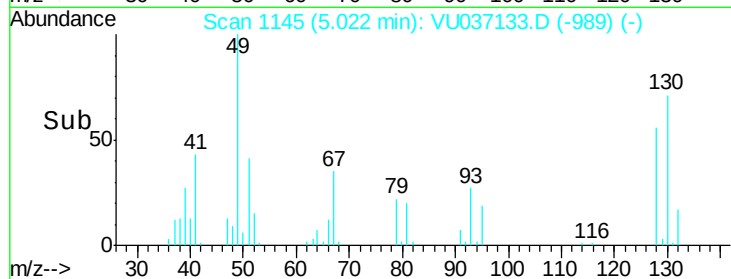
Ion 39.00 (38.70 to 39.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



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#40
Methyl acrylate
Concen: 11.724 ug/l
RT: 4.90 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VU037133.D
Acq: 09 Mar 2020 14:20

Tgt Ion	55	Resp	27254
Ion	Ratio	Lower	Upper
55	100		
85	16.5	14.7	22.1
58	8.7	7.1	10.7
42	12.8	6.9	10.3#

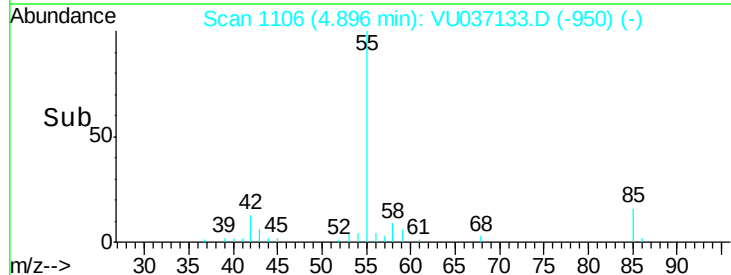
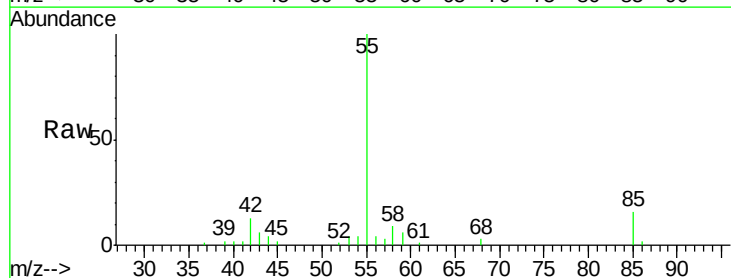
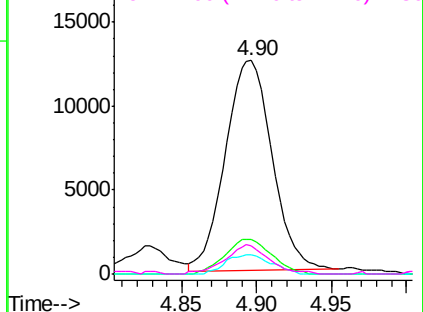
Abundance

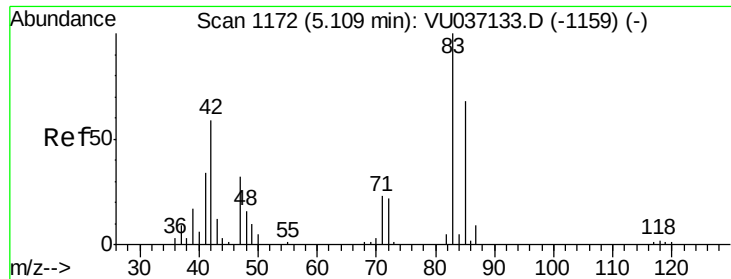
Ion 55.00 (54.70 to 55.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 42.00 (41.70 to 42.70): VU0





#41

Tetrahydrofuran

Concen: 25.076 ug/l

RT: 5.11 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VU037133.D

Acq: 09 Mar 2020 14:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

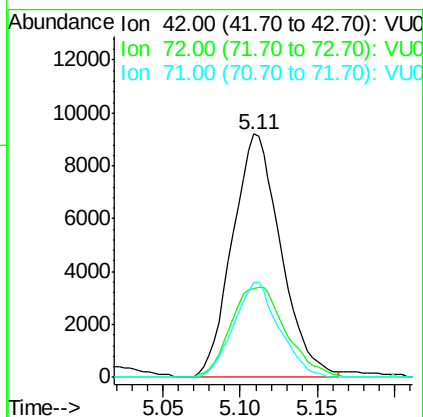
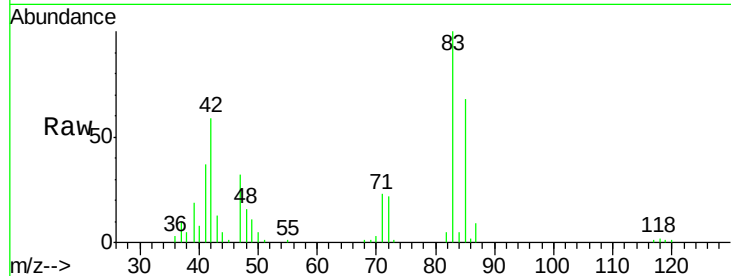
Tot Ion: 42 Resp: 20037
Ion Ratio Lower Upper

42 100

72 42.1 42.5 63.7#

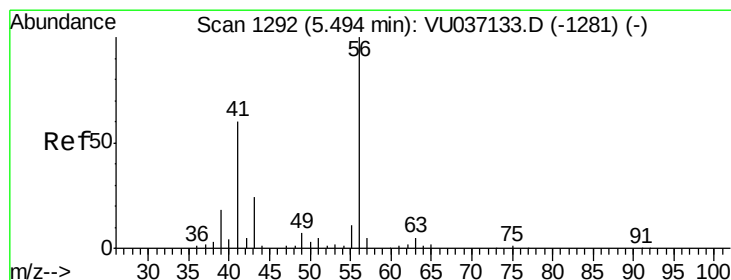
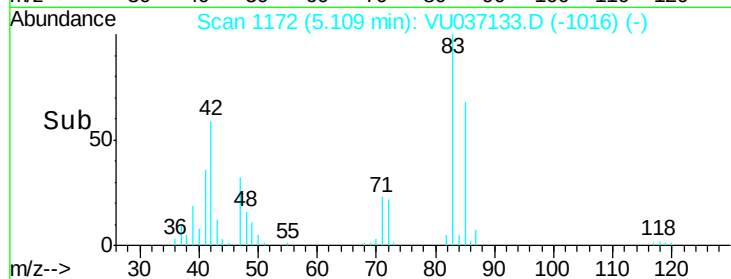
71 36.8 37.3 55.9#

Manual Integrations
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#42

1-Chlorobutane

Concen: 12.306 ug/l

RT: 5.49 min Scan# 1292

Delta R.T. 0.00 min

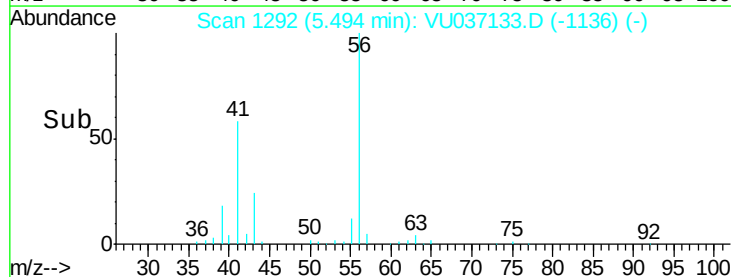
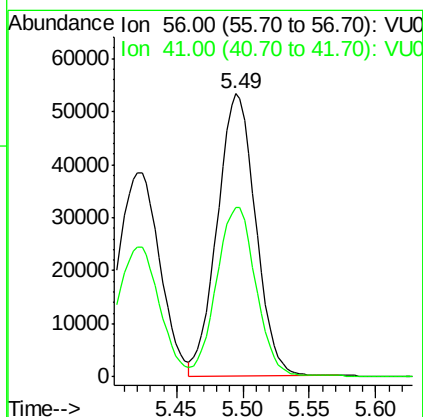
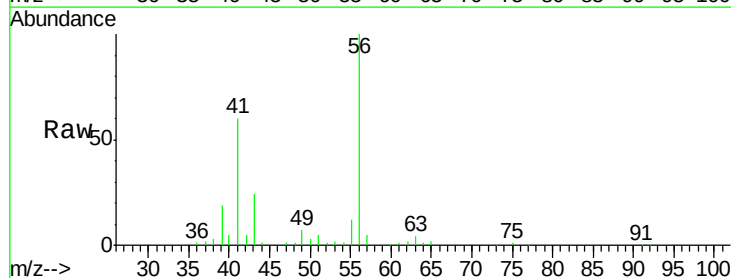
Lab File: VU037133.D

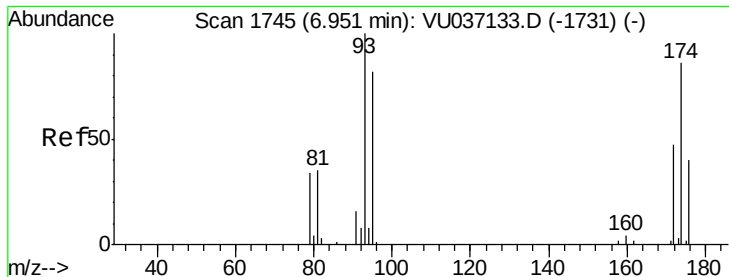
Acq: 09 Mar 2020 14:20

Tgt Ion: 56 Resp: 106661
Ion Ratio Lower Upper

56 100

41 60.3 24.8 74.3



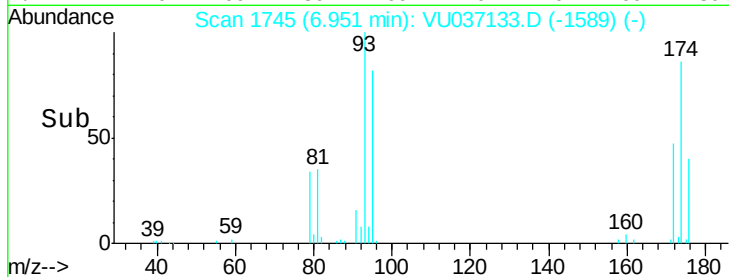
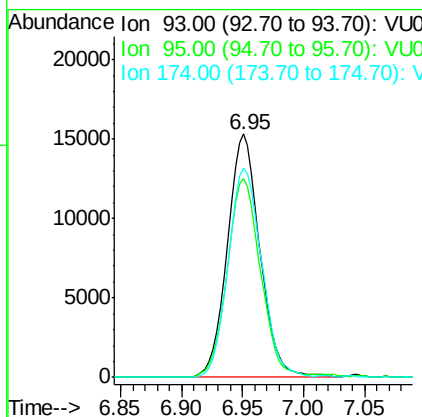
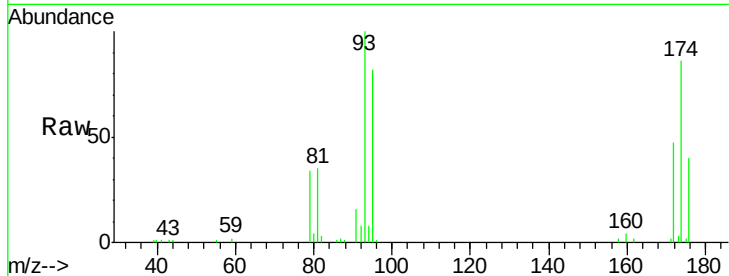


#43
 Dibromomethane
 Concen: 11.223 ug/l
 RT: 6.95 min Scan# 1745
 Delta R.T. 0.00 min
 Lab File: VU037133.D
 Acq: 09 Mar 2020 14:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

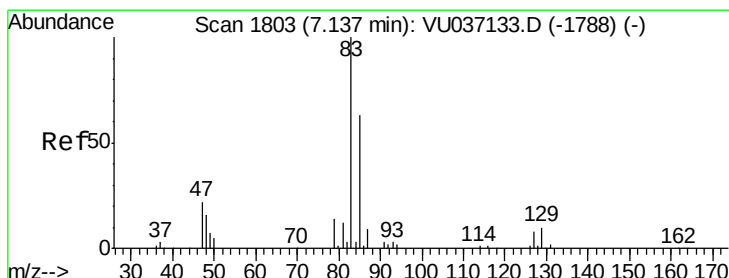
Tot Ion	Ratio	Lower	Upper
93	100		
95	83.8	67.9	101.9
174	88.0	83.4	125.0

Manual Integrations
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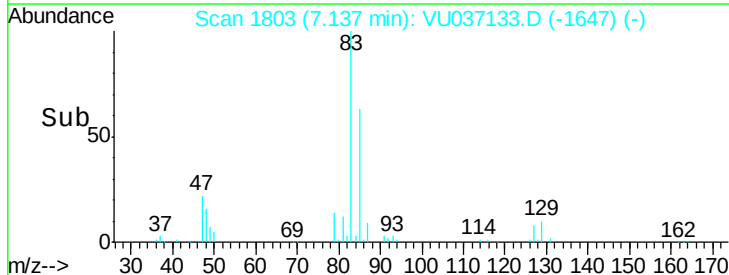
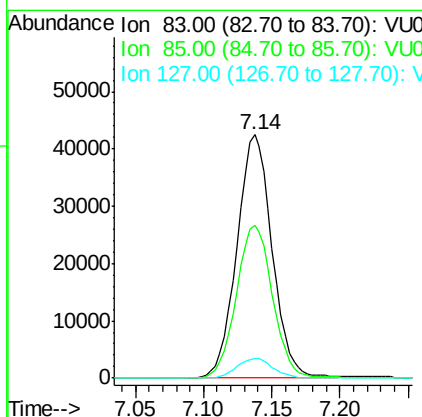
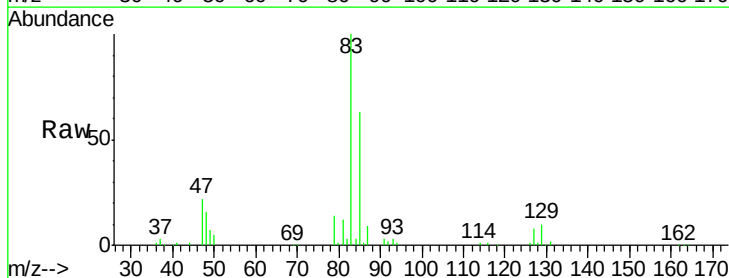
sam

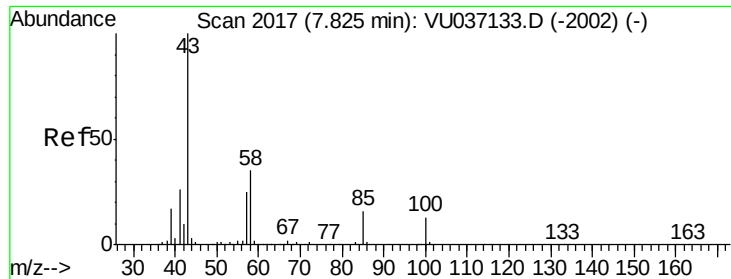
3/10/2020 3:06:31 PM



#44
 Bromodichloromethane
 Concen: 12.651 ug/l
 RT: 7.14 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VU037133.D
 Acq: 09 Mar 2020 14:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.8	51.8	77.6
127	8.3	6.8	10.2



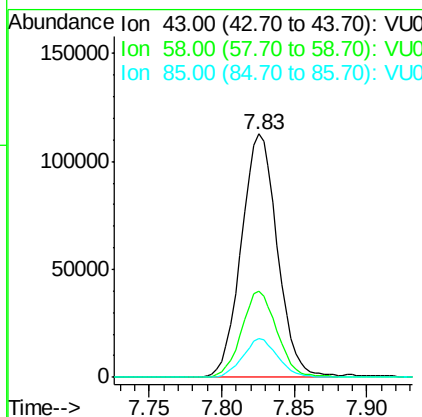
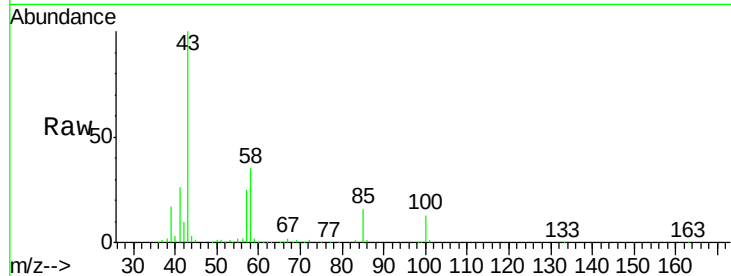


#45
 4-Methyl-2-Pentanone
 Concen: 68.104 ug/l
 RT: 7.83 min Scan# 2017
 Delta R.T. 0.00 min
 Lab File: VU037133.D
 Acq: 09 Mar 2020 14:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

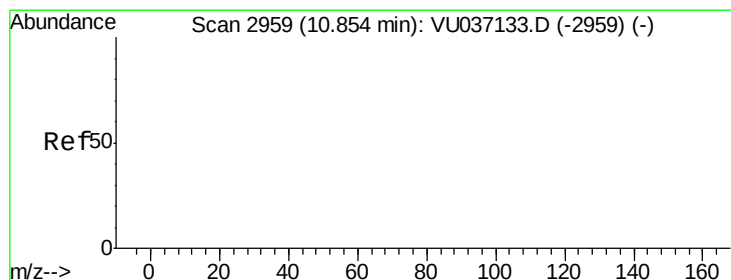
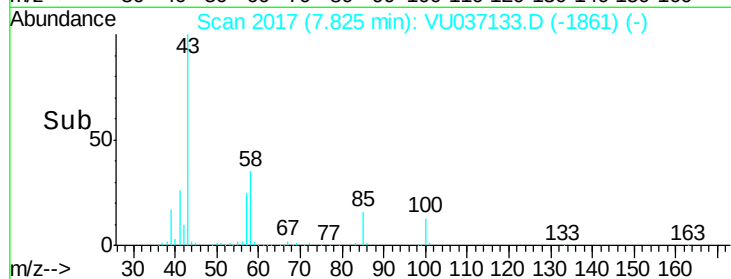
Tot Ion	Ratio	Lower	Upper
43	100		
58	34.9	22.1	66.1
85	15.6	17.4	26.0

Manual Integrations
 APPROVED



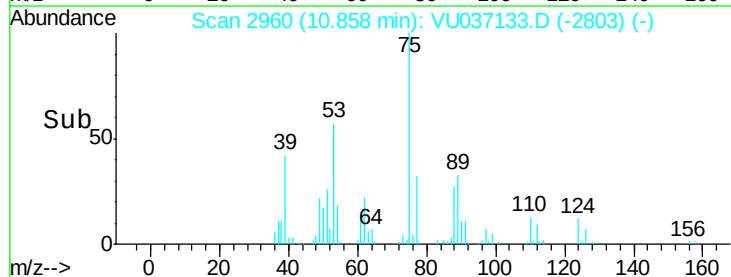
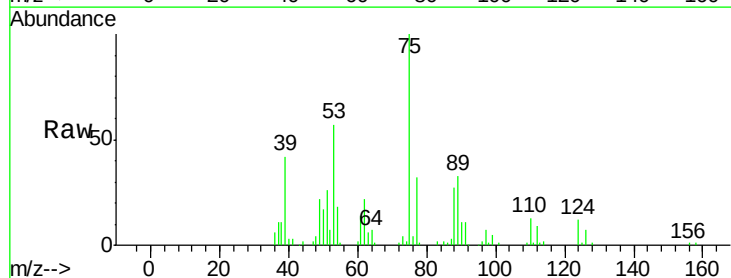
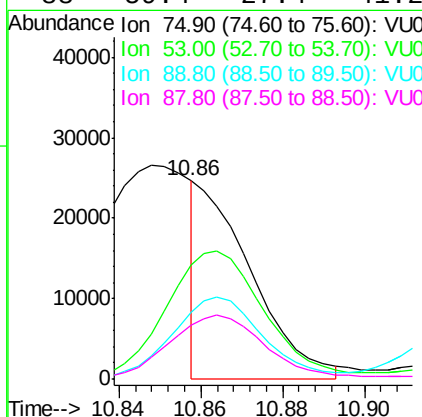
sam

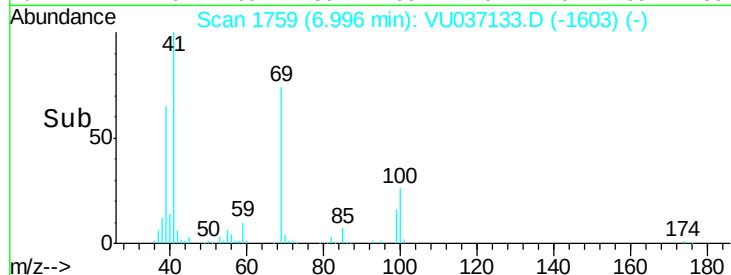
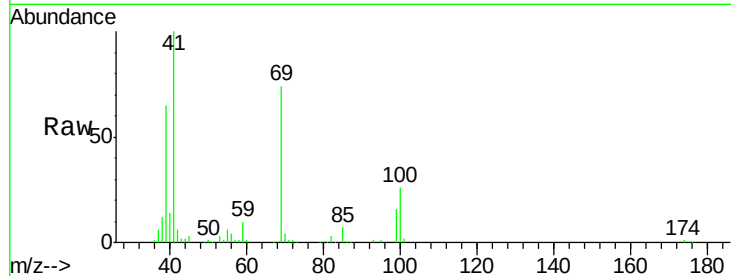
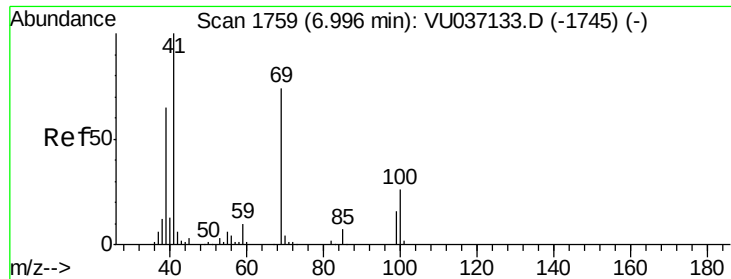
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#46
 t-1,4-Dichloro-2-butene
 Concen: 17.641 ug/l m
 RT: 10.86 min Scan# 2960
 Delta R.T. 0.00 min
 Lab File: VU037133.D
 Acq: 09 Mar 2020 14:20

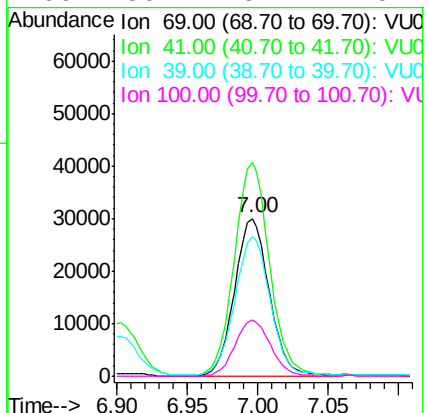
Tgt Ion	Ratio	Lower	Upper
75	100		
53	120.4	52.2	78.2
89	71.4	39.8	59.6
88	59.4	27.4	41.2





#47
Methyl methacrylate
Concen: 20.872 ug/l
RT: 7.00 min Scan# 1759
Delta R.T. 0.00 min
Lab File: VU037133.D
Acq: 09 Mar 2020 14:20

Tot Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	135.9	0.0	200.8		
39	90.0	43.5	65.3		
100	36.2	31.1	46.7		

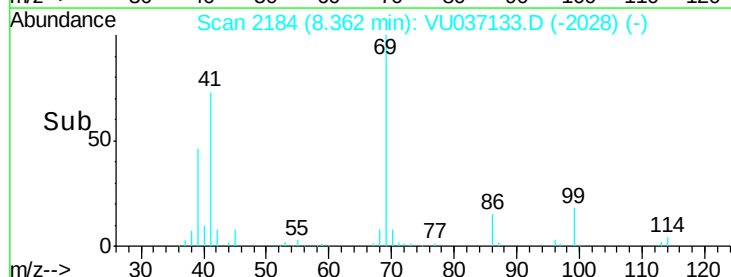
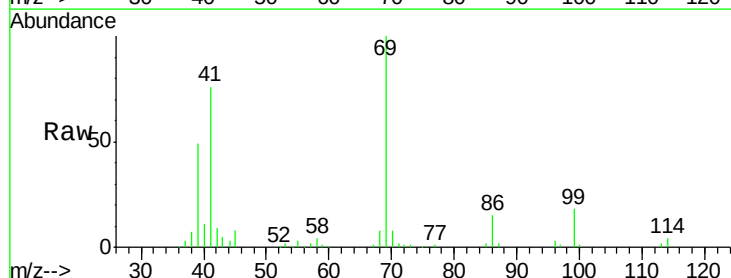
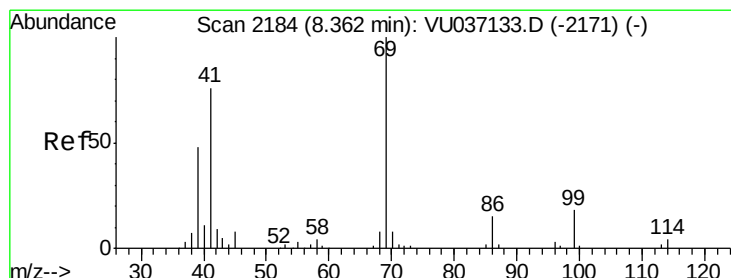


Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

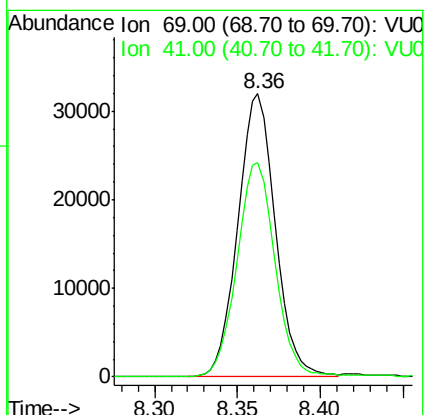
sam

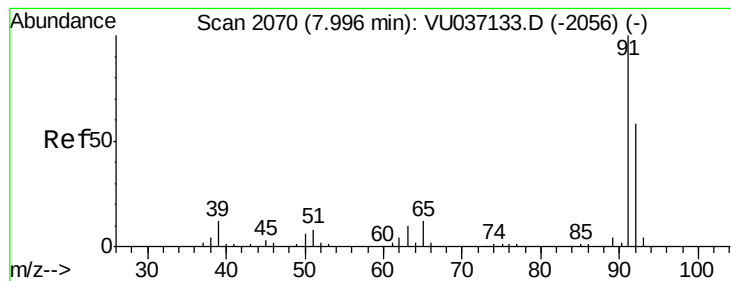
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#48
Ethyl methacrylate
Concen: 10.418 ug/l
RT: 8.36 min Scan# 2184
Delta R.T. 0.00 min
Lab File: VU037133.D
Acq: 09 Mar 2020 14:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	77.4	27.9	83.6		





#49

Toluene

Concen: 10.664 ug/l

RT: 8.00 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VU037133.D

Acq: 09 Mar 2020 14:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

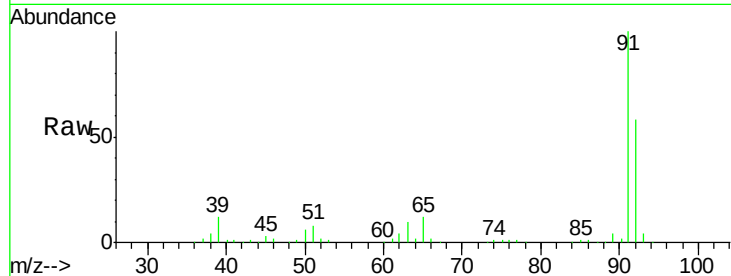
Tot Ion: 92 Resp: 131870

Ion Ratio Lower Upper

92 100

91 173.5 139.1 208.7

Manual Integrations
APPROVED



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

Ion 91.00 (90.70 to 91.70): VU037133.D (-2056) (-)

8.00

150000

100000

50000

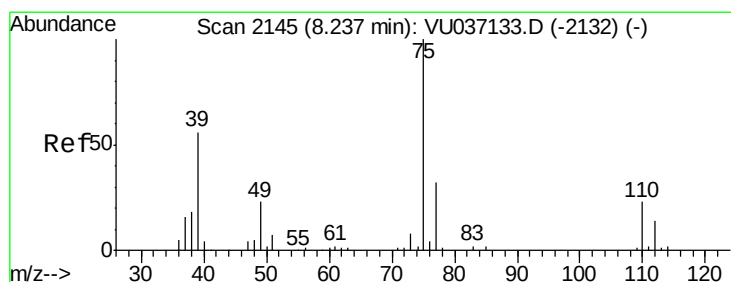
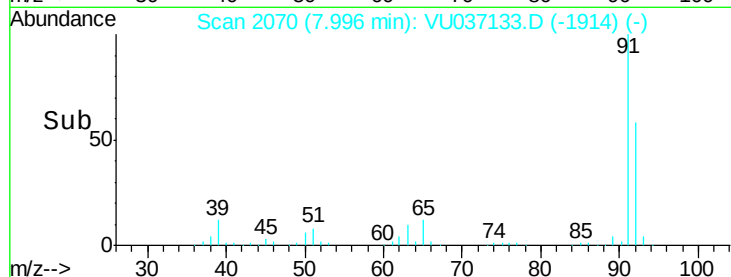
0

7.90 7.95 8.00 8.05 8.10

Time-->

sam

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#50

t-1,3-Dichloropropene

Concen: 11.667 ug/l

RT: 8.24 min Scan# 2145

Delta R.T. 0.00 min

Lab File: VU037133.D

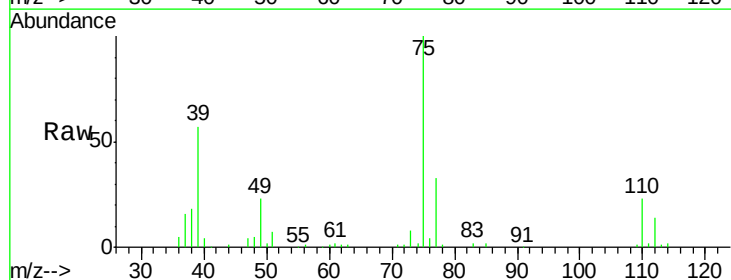
Acq: 09 Mar 2020 14:20

Tgt Ion: 75 Resp: 69911

Ion Ratio Lower Upper

75 100

77 32.3 25.4 38.2



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

Ion 77.00 (76.70 to 77.70): VU037133.D (-2132) (-)

8.24

40000

30000

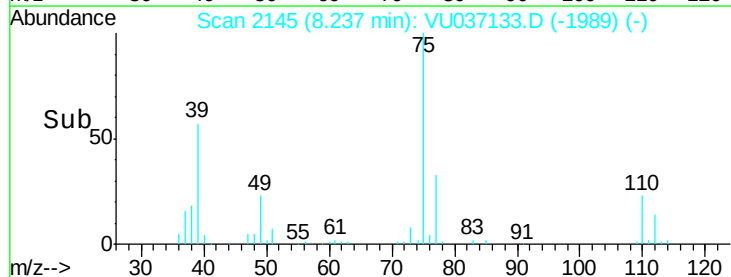
20000

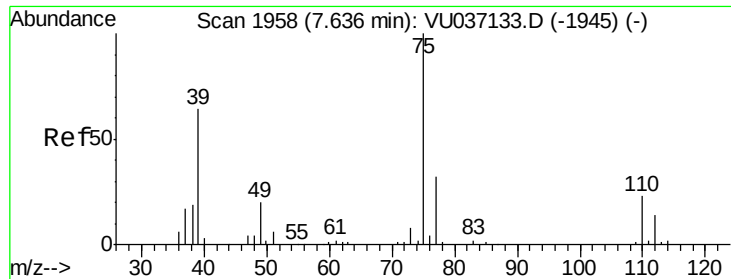
10000

0

8.15 8.20 8.25 8.30

Time-->





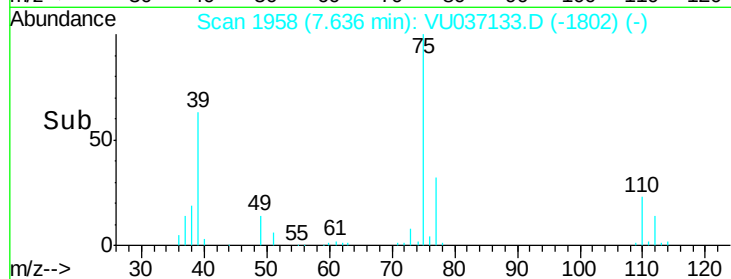
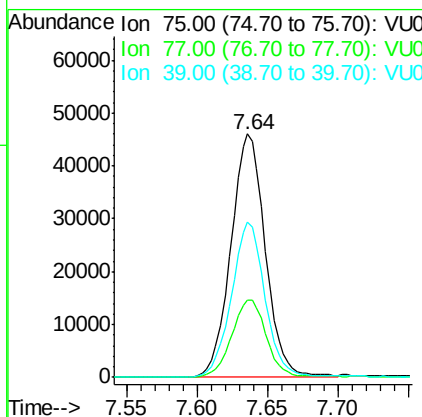
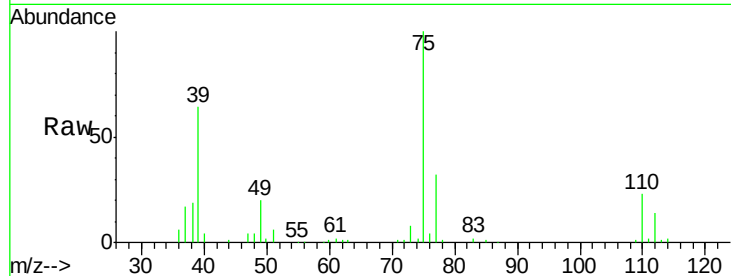
#51

cis-1,3-Dichloropropene
Concen: 10.837 ug/l
RT: 7.64 min Scan# 1958
Delta R.T. 0.00 min
Lab File: VU037133.D
Acq: 09 Mar 2020 14:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

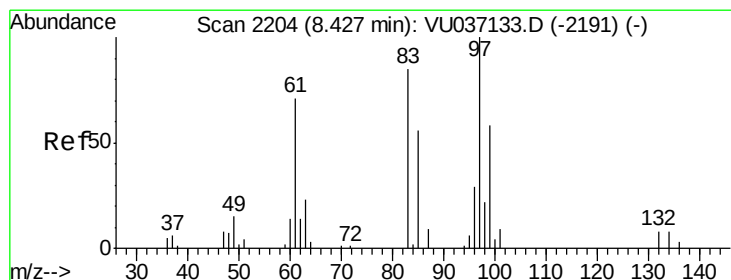
Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.3	37.9
39	63.6	31.8	47.6

Manual Integrations
APPROVED



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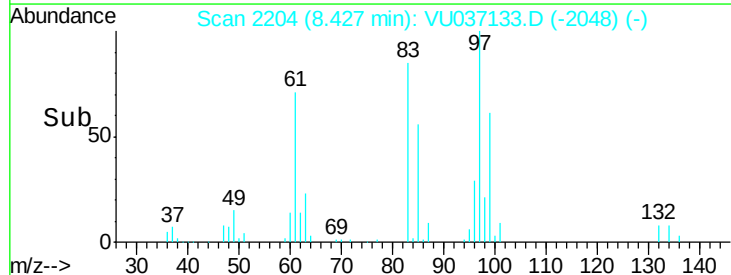
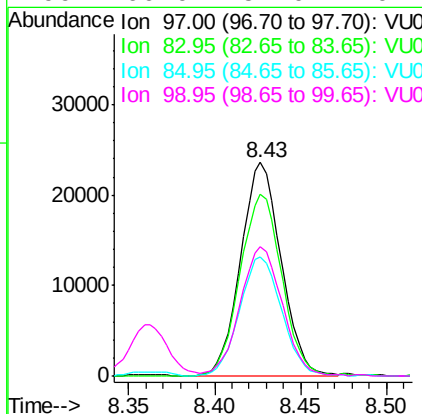
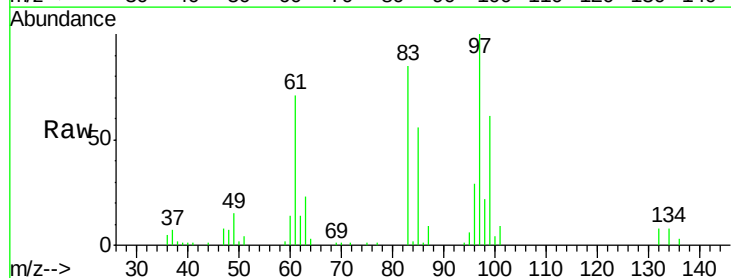
3/10/2020 3:06:31 PM

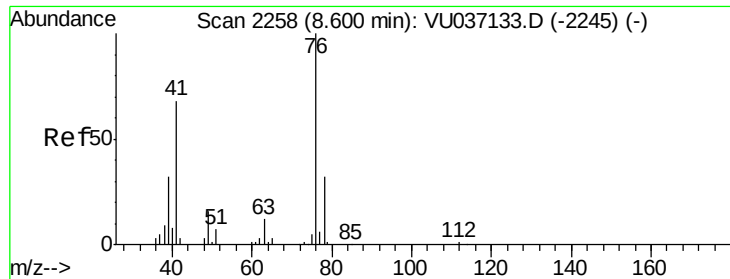


#52

1,1,2-Trichloroethane
Concen: 10.707 ug/l
RT: 8.43 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VU037133.D
Acq: 09 Mar 2020 14:20

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.0	70.9	106.3
85	55.9	45.6	68.4
99	60.0	51.0	76.4





#53

1,3-Dichloropropane

Concen: 11.103 ug/l

RT: 8.60 min Scan# 2258

Delta R.T. 0.00 min

Lab File: VU037133.D

Acq: 09 Mar 2020 14:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion: 76 Resp: 68645

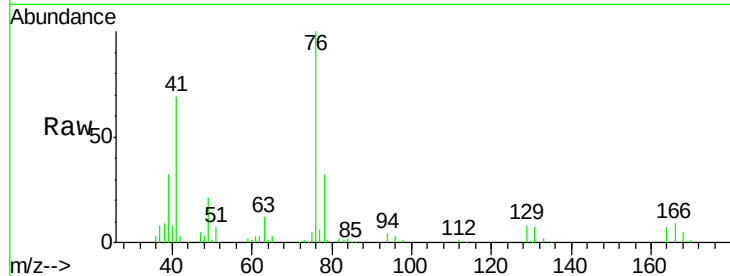
Ion Ratio Lower Upper

76 100

78 32.8 25.4 38.2

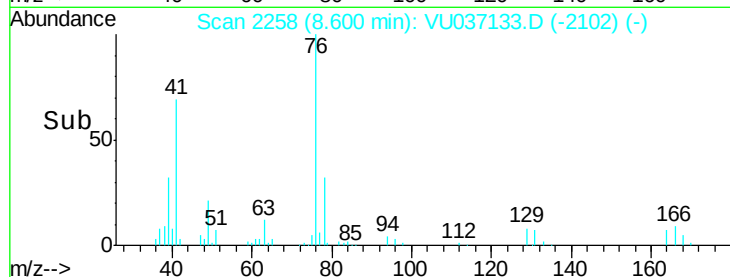
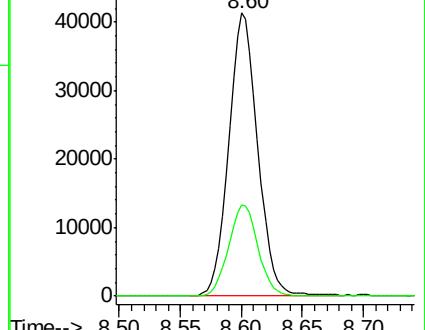
Manual Integrations

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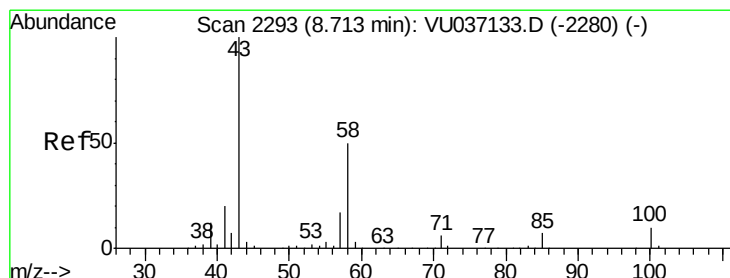
Abundance Ion 76.00 (75.70 to 76.70): VU037133.D (-2245) (-)

Ion 78.00 (77.70 to 78.70): VU037133.D (-2245) (-)



sam

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#54

2-Hexanone

Concen: 69.158 ug/l

RT: 8.71 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VU037133.D

Acq: 09 Mar 2020 14:20

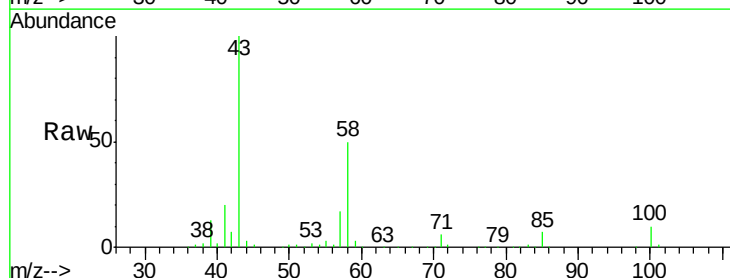
Tgt Ion: 43 Resp: 138916

Ion Ratio Lower Upper

43 100

58 47.7 40.6 80.6

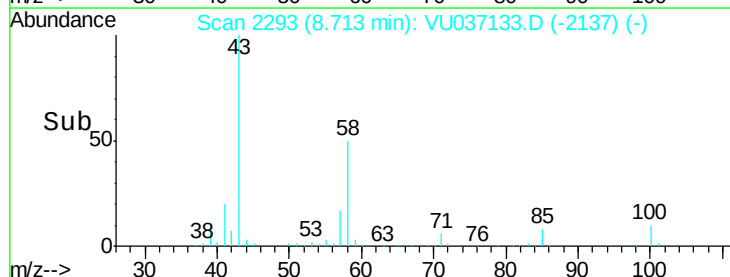
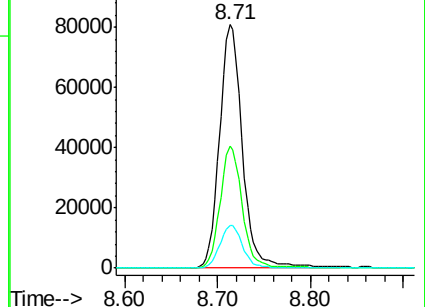
57 17.6 1.2 41.2

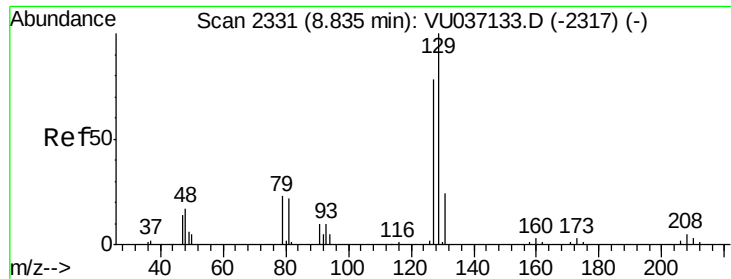


Abundance Ion 43.00 (42.70 to 43.70): VU037133.D (-2280) (-)

Ion 58.00 (57.70 to 58.70): VU037133.D (-2280) (-)

Ion 57.00 (56.70 to 57.70): VU037133.D (-2280) (-)



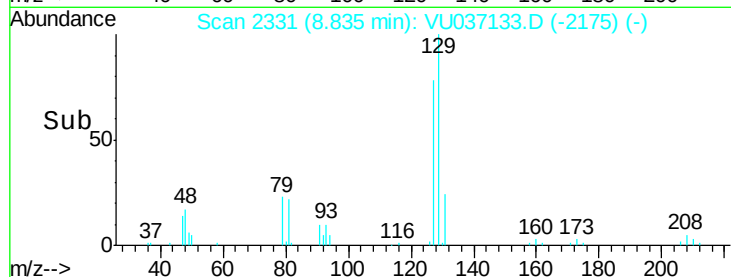
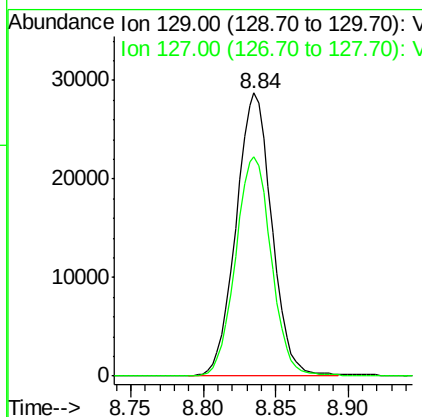
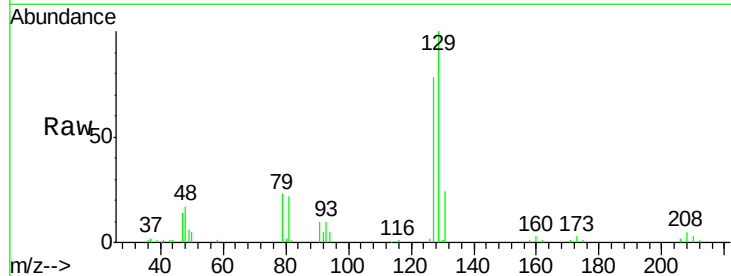


#55
Dibromochloromethane
Concen: 11.858 ug/l
RT: 8.84 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VU037133.D
Acq: 09 Mar 2020 14:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

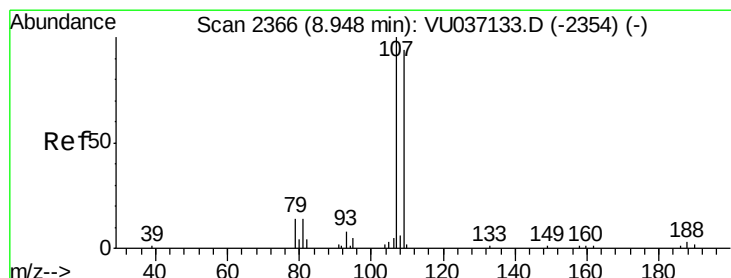
Tot Ion	Ratio	Lower	Upper
129	100		
127	77.2	62.6	94.0

Manual Integrations
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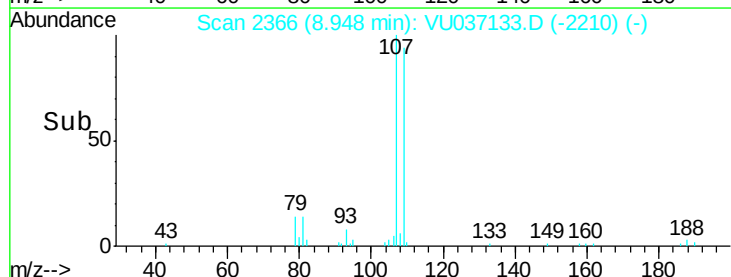
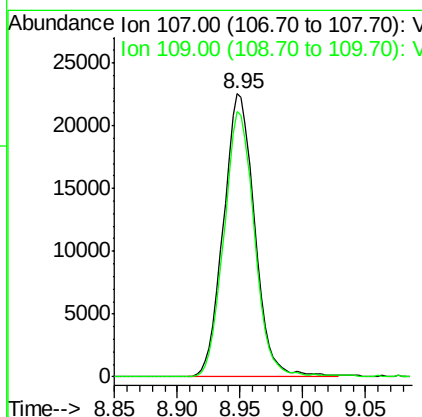
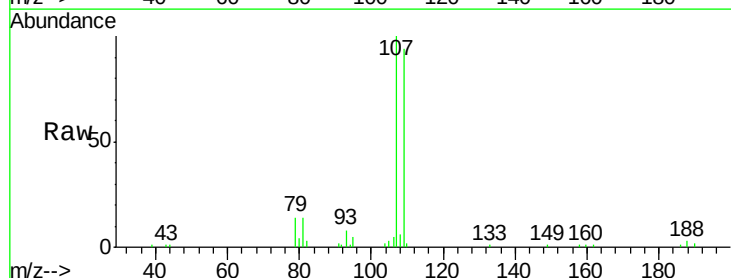
sam

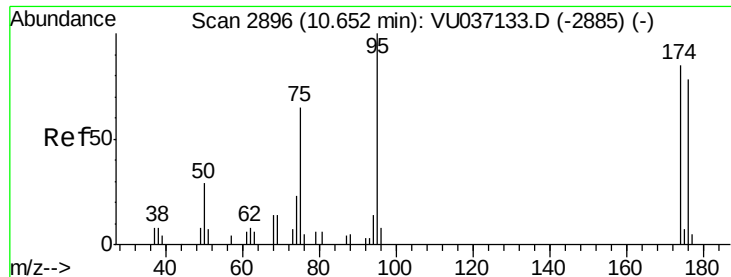
3/10/2020 3:06:31 PM



#56
1,2-Dibromoethane
Concen: 11.223 ug/l
RT: 8.95 min Scan# 2366
Delta R.T. 0.00 min
Lab File: VU037133.D
Acq: 09 Mar 2020 14:20

Tgt Ion	Ratio	Lower	Upper
107	100		
109	91.3	0.0	190.8





#57

4-Bromofluorobenzene

Concen: 1.021 ug/l

RT: 10.65 min Scan# 2896

Delta R.T. 0.00 min

Lab File: VU037133.D

Acq: 09 Mar 2020 14:20

Instrument :

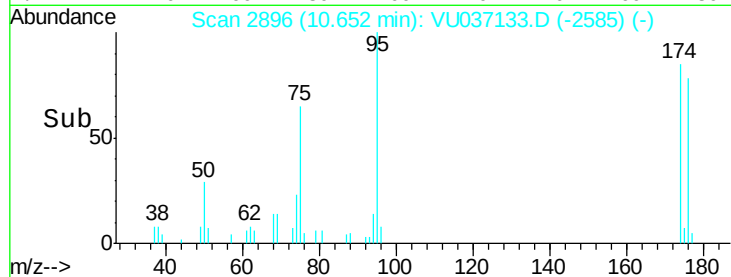
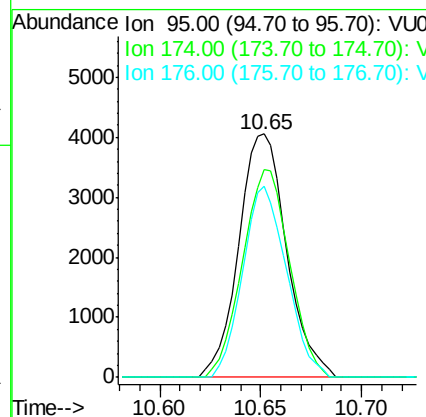
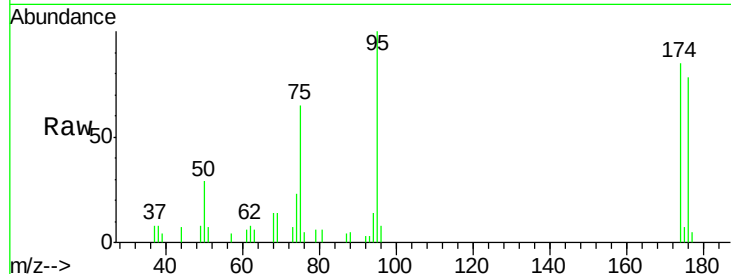
MSVOA_U

ClientSampleId :

VSTDICCC010

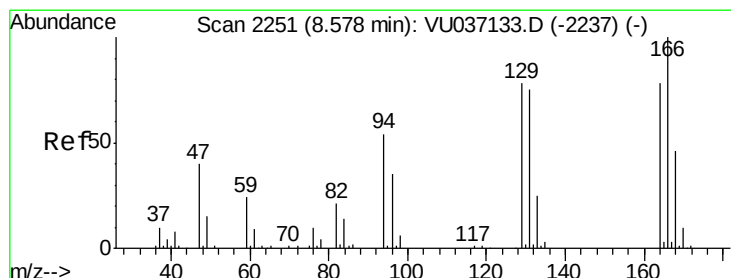
Tot Ion:	95	Resp:	6740
Ion	Ratio	Lower	Upper
95	100		
174	83.8	64.7	97.1
176	71.9	60.6	91.0

Manual Integrations
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#58

Tetrachloroethene

Concen: 9.397 ug/l

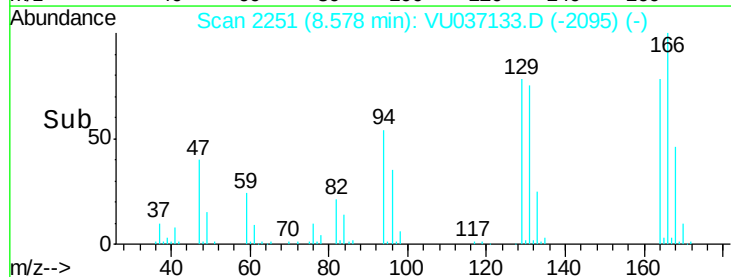
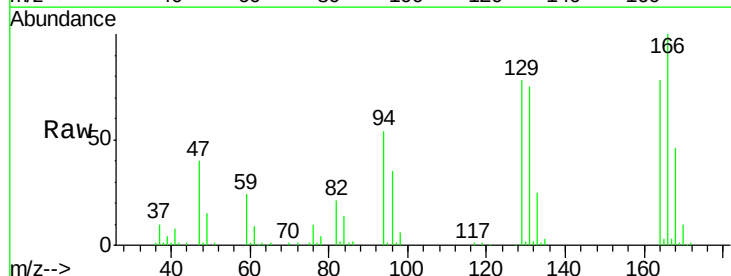
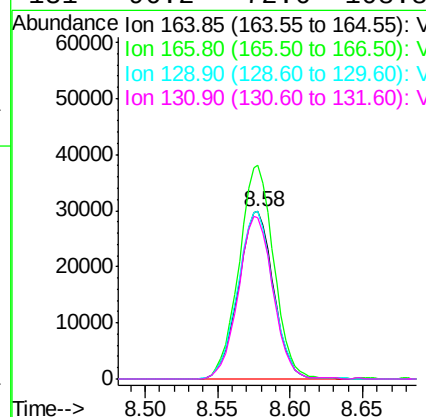
RT: 8.58 min Scan# 2251

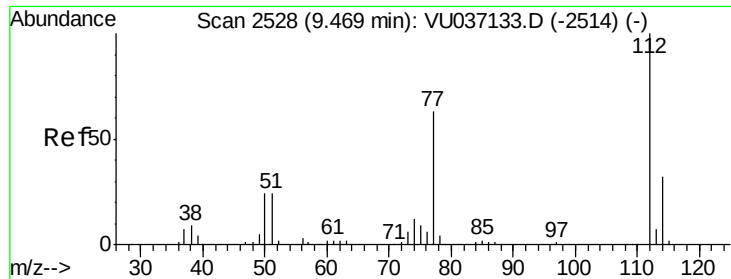
Delta R.T. 0.00 min

Lab File: VU037133.D

Acq: 09 Mar 2020 14:20

Tgt Ion:	164	Resp:	50233
Ion	Ratio	Lower	Upper
164	100		
166	127.8	102.0	153.0
129	100.0	74.9	112.3
131	96.2	72.6	108.8



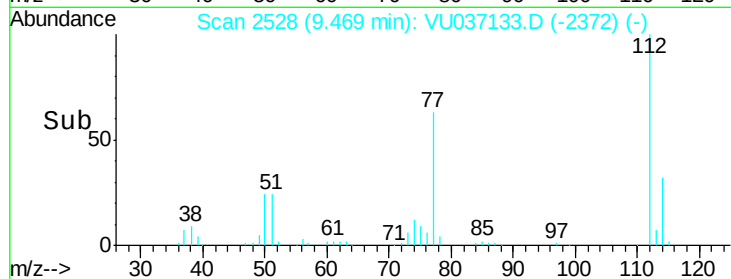
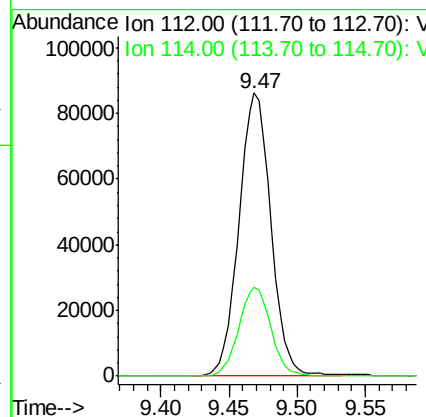
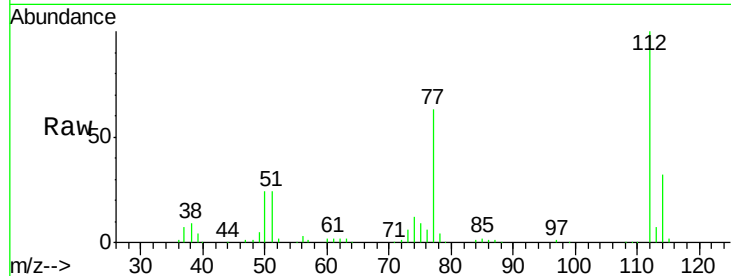


#59
Chlorobenzene
Concen: 10.193 ug/l
RT: 9.47 min Scan# 2528
Delta R.T. 0.00 min
Lab File: VU037133.D
Acq: 09 Mar 2020 14:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

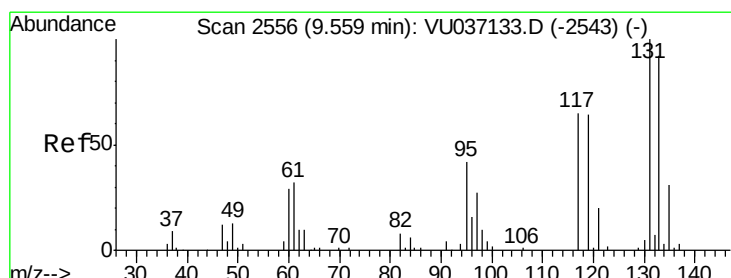
Tot Ion	Ratio	Lower	Upper
112	100		
114	31.5	25.8	38.8

Manual Integrations
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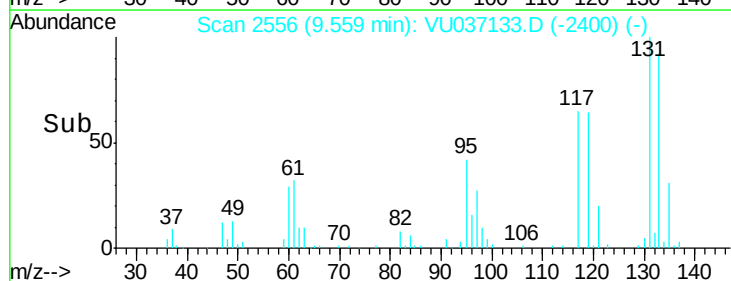
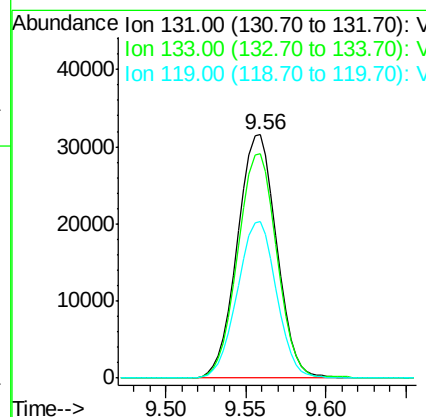
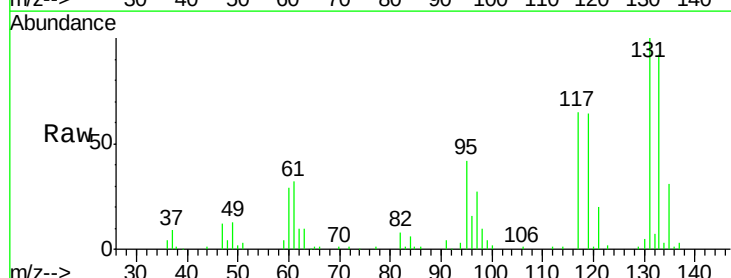
sam

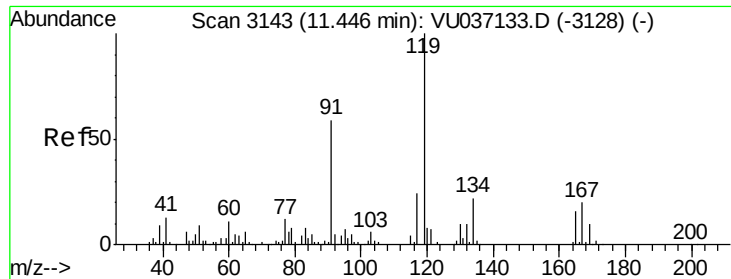
3/10/2020 3:06:31 PM



#60
1,1,1,2-Tetrachloroethane
Concen: 12.002 ug/l
RT: 9.56 min Scan# 2556
Delta R.T. 0.00 min
Lab File: VU037133.D
Acq: 09 Mar 2020 14:20

Tgt Ion	Ratio	Lower	Upper
131	100		
133	92.2	76.4	114.6
119	63.8	56.6	85.0



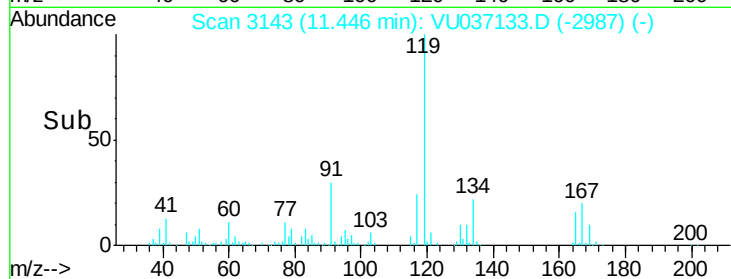
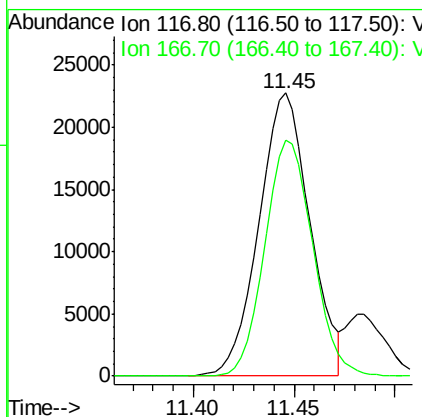
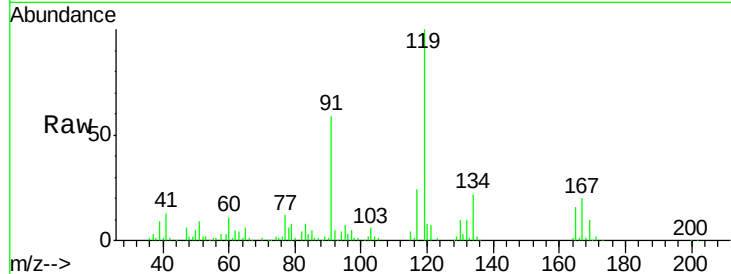


#61
 Pentachloroethane
 Concen: 14.095 ug/l
 RT: 11.45 min Scan# 3143
 Delta R.T. 0.00 min
 Lab File: VU037133.D
 Acq: 09 Mar 2020 14:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

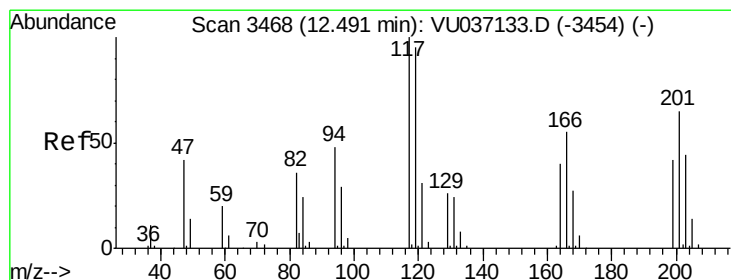
Tot Ion:117 Resp: 40005
 Ion Ratio Lower Upper
 117 100
 167 78.2 66.7 100.1

Manual Integrations
 APPROVED



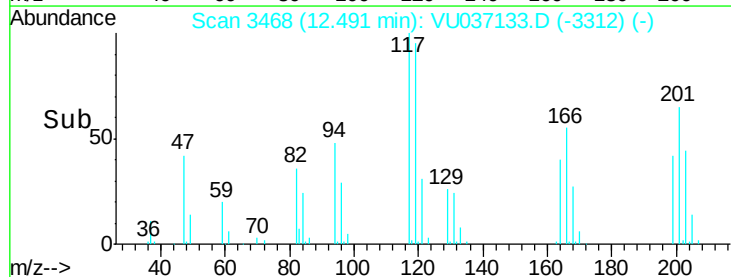
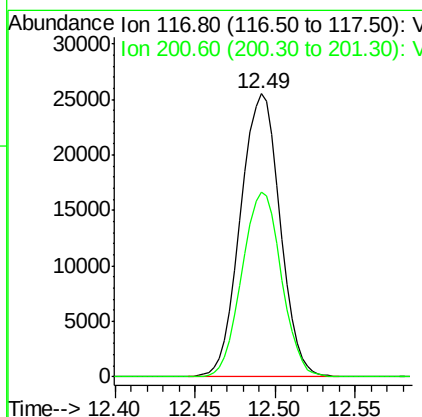
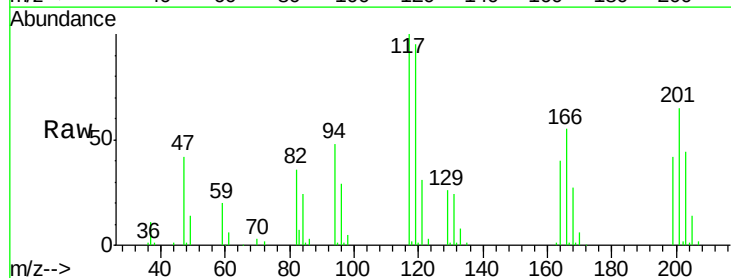
sam

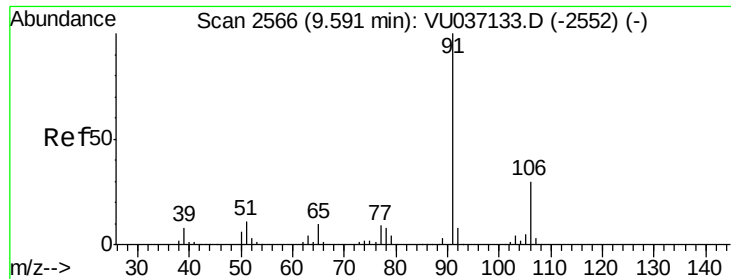
3/10/2020 3:06:31 PM



#62
 Hexachloroethane
 Concen: 11.924 ug/l
 RT: 12.49 min Scan# 3468
 Delta R.T. 0.00 min
 Lab File: VU037133.D
 Acq: 09 Mar 2020 14:20

Tgt Ion:117 Resp: 43131
 Ion Ratio Lower Upper
 117 100
 201 65.0 65.0 97.4



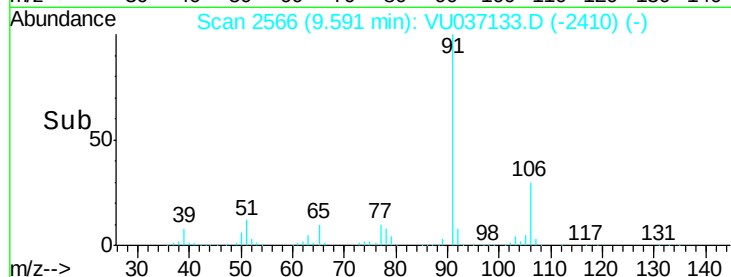
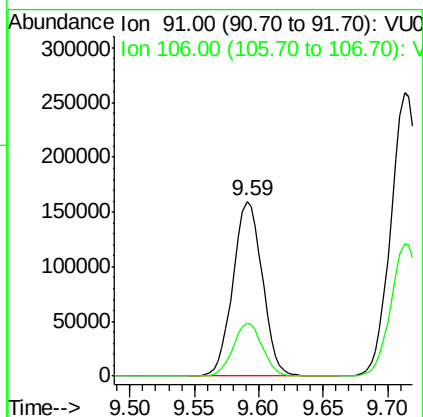
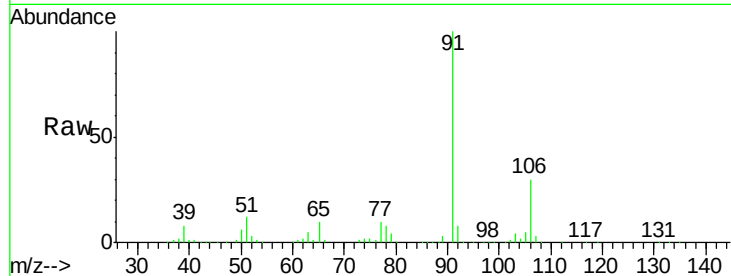


#63
Ethyl Benzene
Concen: 11.034 ug/l
RT: 9.59 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VU037133.D
Acq: 09 Mar 2020 14:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

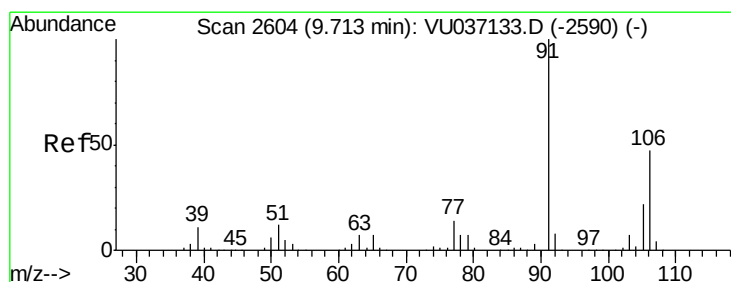
Tot Ion: 91 Resp: 254729
Ion Ratio Lower Upper
91 100
106 30.4 26.0 39.0

Manual Integrations
APPROVED



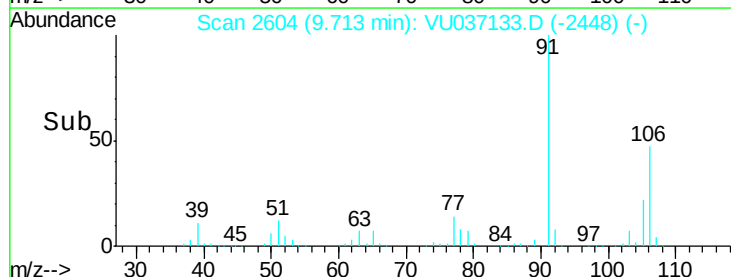
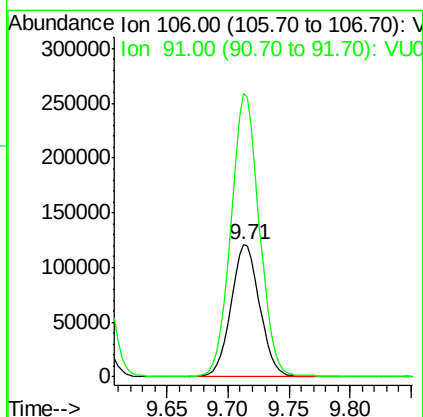
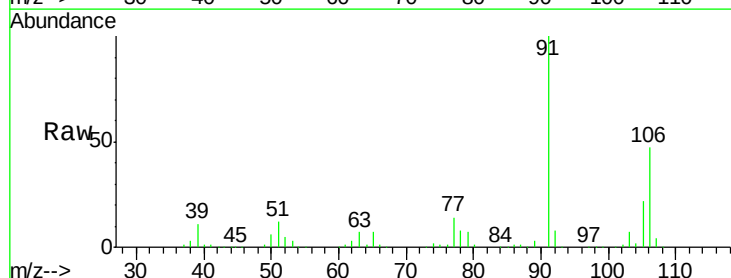
sam

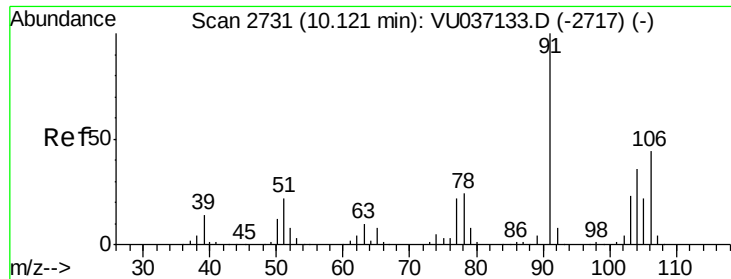
3/10/2020 3:06:31 PM



#64
m/p-Xylenes
Concen: 21.567 ug/l
RT: 9.71 min Scan# 2604
Delta R.T. 0.00 min
Lab File: VU037133.D
Acq: 09 Mar 2020 14:20

Tgt Ion: 106 Resp: 197073
Ion Ratio Lower Upper
106 100
91 212.2 158.2 237.4





#65

o-Xylene

Concen: 10.540 ug/l

RT: 10.12 min Scan# 2731

Delta R.T. 0.00 min

Lab File: VU037133.D

Acq: 09 Mar 2020 14:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion:106 Resp: 93264

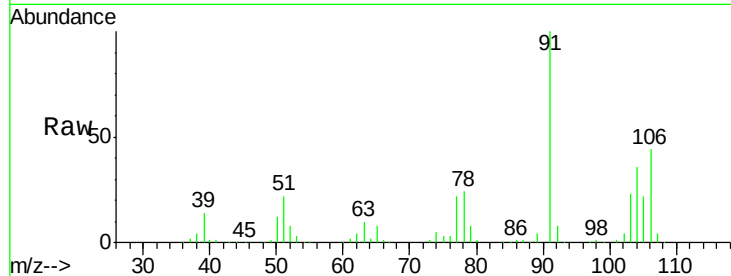
Ion Ratio Lower Upper

106 100

91 225.7 104.3 312.9

Manual Integrations

APPROVED



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

150000

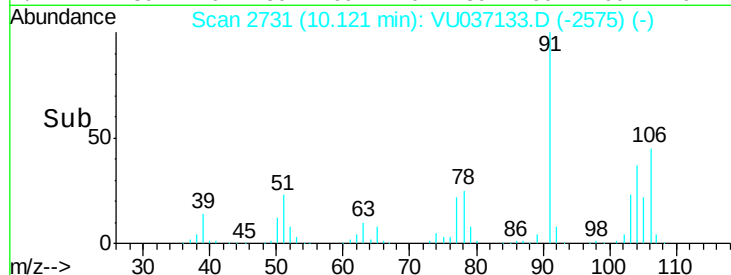
100000

50000

0

10.05 10.10 10.15 10.20

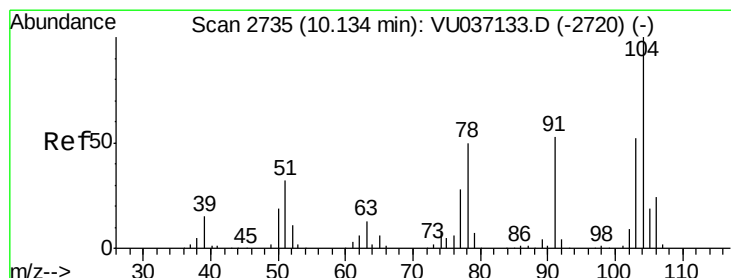
Time-->



Time-->

sam

3/10/2020 3:06:31 PM



#66

Styrene

Concen: 10.748 ug/l

RT: 10.13 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VU037133.D

Acq: 09 Mar 2020 14:20

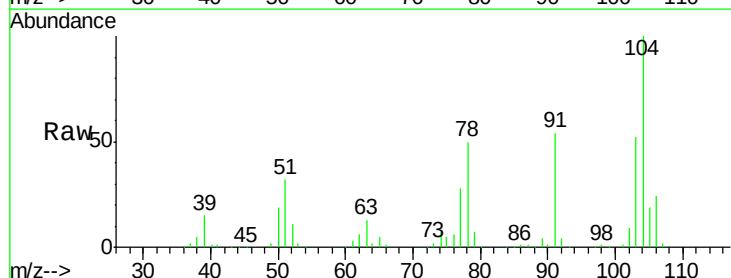
Tgt Ion:104 Resp: 159259

Ion Ratio Lower Upper

104 100

78 55.1 38.6 57.8

103 56.2 44.4 66.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): V

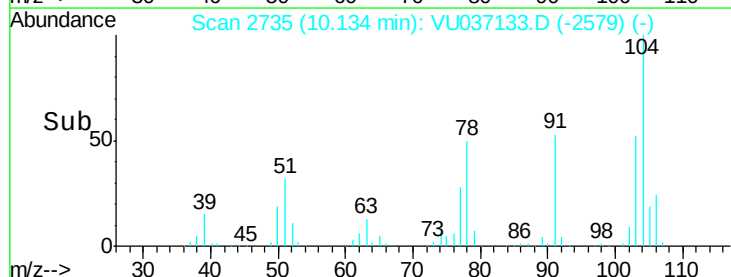
100000

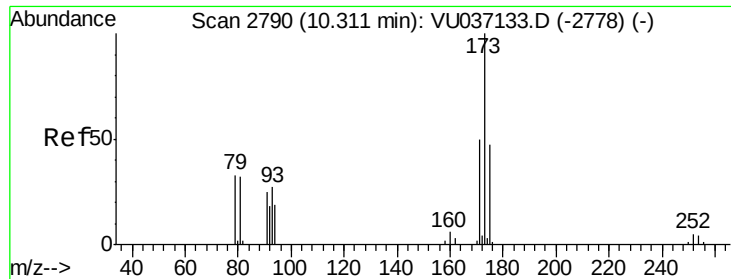
50000

0

10.10 10.15 10.20

Time-->



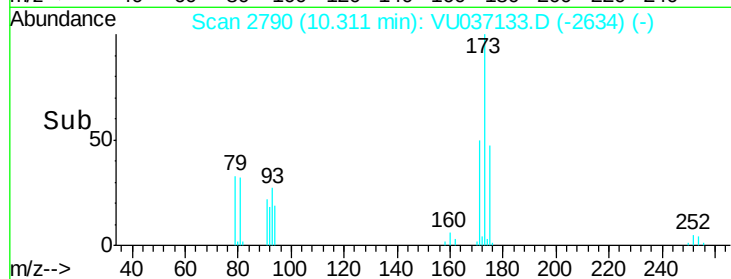
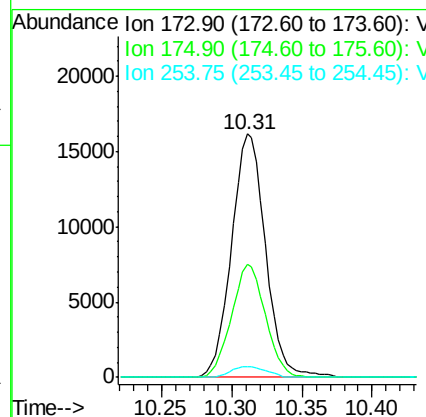
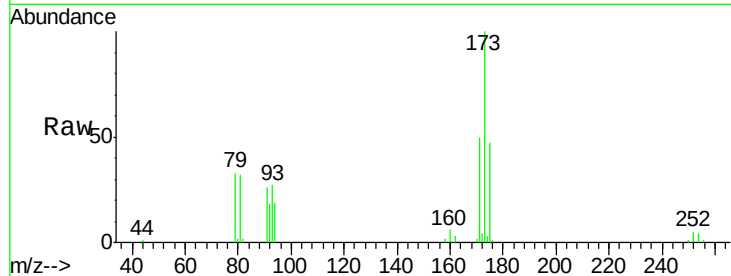


#67
Bromoform
Concen: 11.451 ug/l
RT: 10.31 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VU037133.D
Acq: 09 Mar 2020 14:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

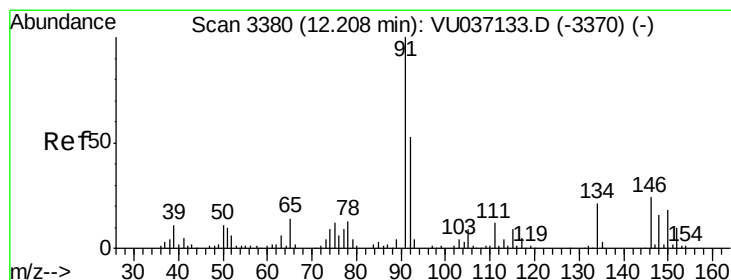
Tot Ion	Ratio	Lower	Upper
173	100		
175	46.1	38.3	57.5
254	4.5	6.6	9.8

Manual Integrations
APPROVED



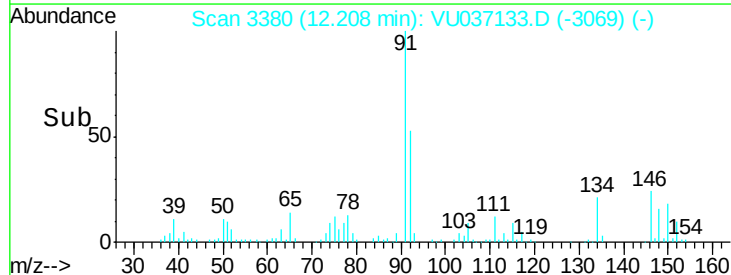
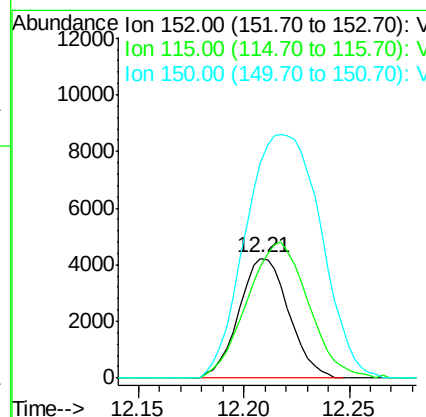
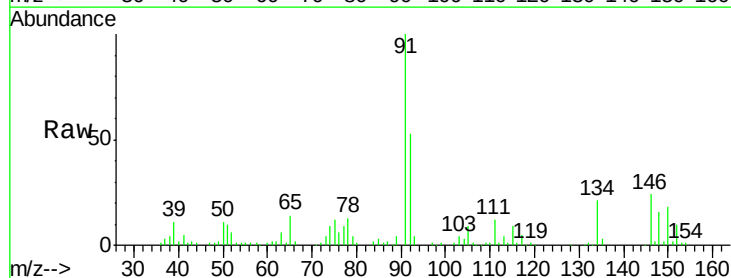
sam

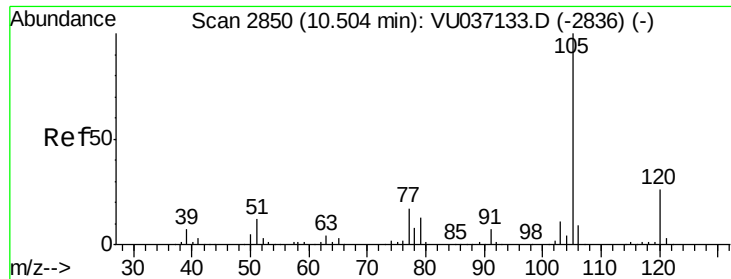
3/10/2020 3:06:31 PM



#68
1,2-Dichlorobenzene-d4
Concen: 1.029 ug/l
RT: 12.21 min Scan# 3380
Delta R.T. 0.00 min
Lab File: VU037133.D
Acq: 09 Mar 2020 14:20

Tgt Ion	Ratio	Lower	Upper
152	100		
115	140.0	0.0	241.8
150	306.9	0.0	652.4





#69

Isopropylbenzene

Concen: 10.866 ug/l

RT: 10.50 min Scan# 2850

Delta R.T. 0.00 min

Lab File: VU037133.D

Acq: 09 Mar 2020 14:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

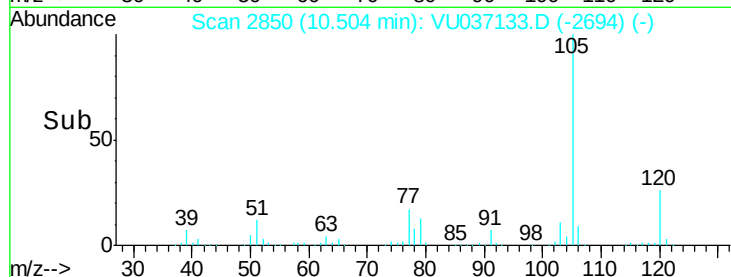
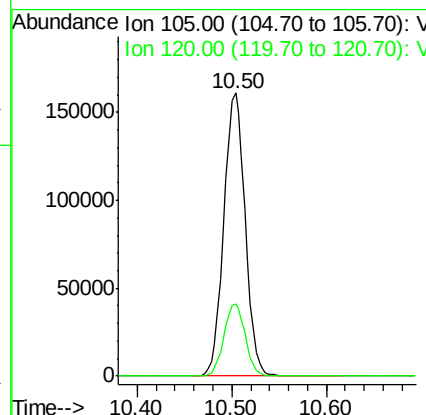
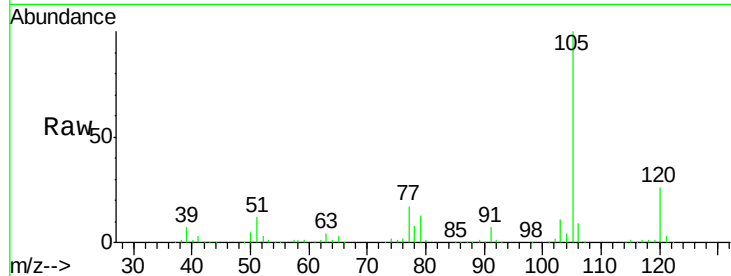
Tot Ion:105 Resp: 252578

Ion Ratio Lower Upper

105 100

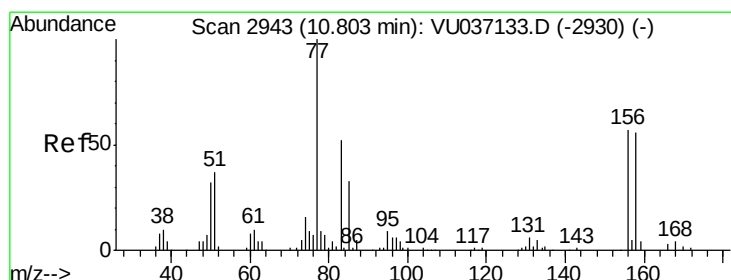
120 25.5 13.6 40.7

Manual Integrations
APPROVED



sam

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#70

1,1,2,2-Tetrachloroethane

Concen: 11.309 ug/l

RT: 10.80 min Scan# 2943

Delta R.T. 0.00 min

Lab File: VU037133.D

Acq: 09 Mar 2020 14:20

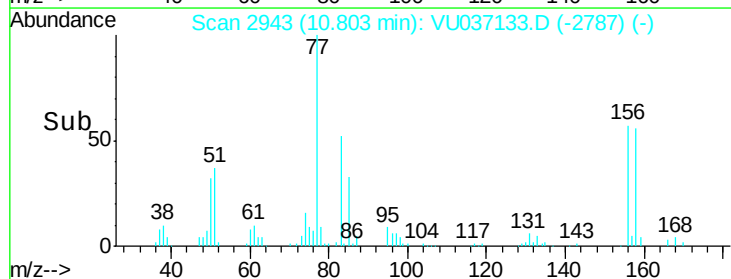
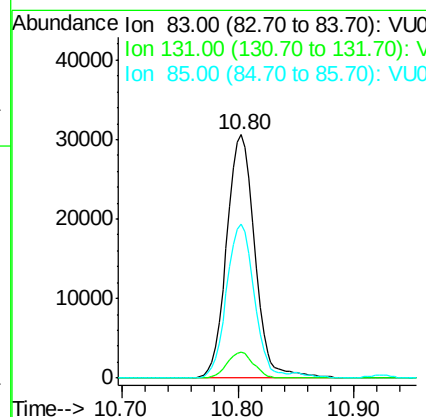
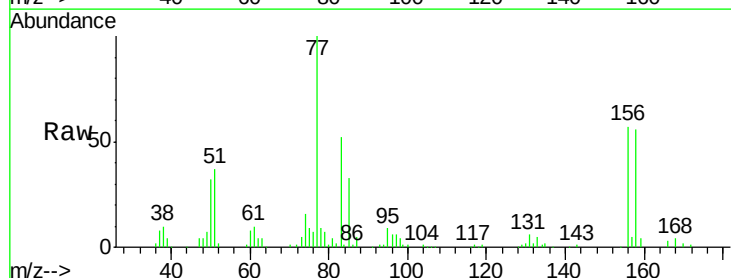
Tgt Ion: 83 Resp: 51465

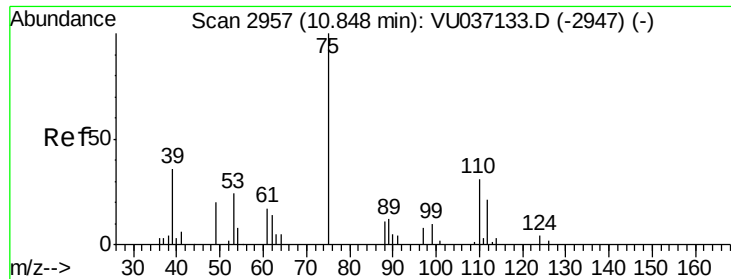
Ion Ratio Lower Upper

83 100

131 10.2 7.8 11.8

85 62.1 53.2 79.8



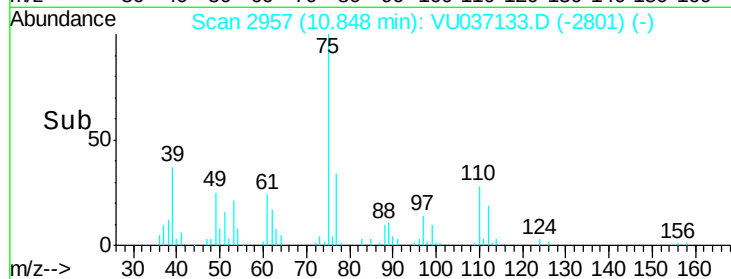
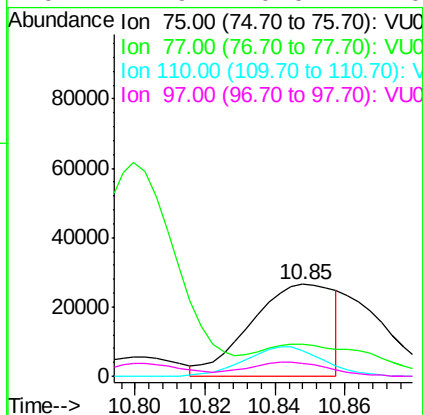
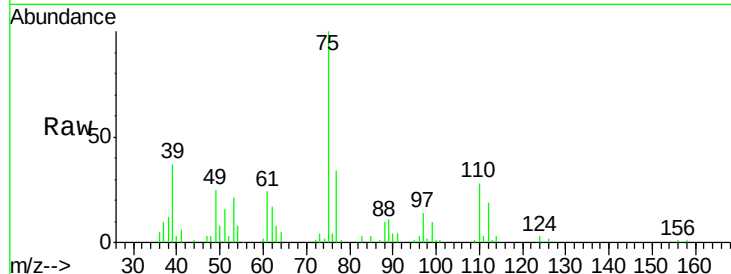


#71
 1,2,3-Trichloropropane
 Concen: 13.638 ug/l m
 RT: 10.85 min Scan# 2957
 Delta R.T. 0.00 min
 Lab File: VU037133.D
 Acq: 09 Mar 2020 14:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

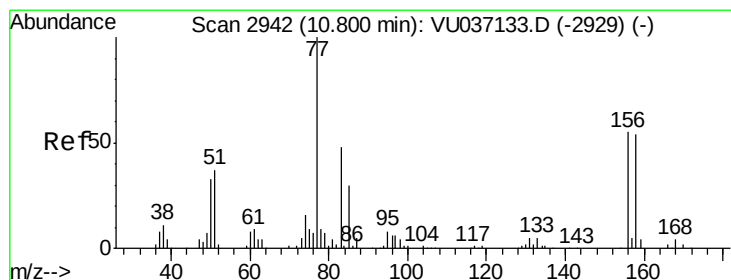
Tot Ion:	75	Resp:	44283
Ion	Ratio	Lower	Upper
75	100		
77	47.6	0.0	129.6
110	30.0	0.0	77.4
97	14.9	0.0	42.0

Manual Integrations
 APPROVED



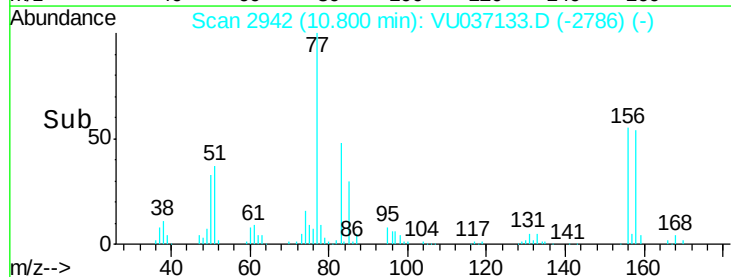
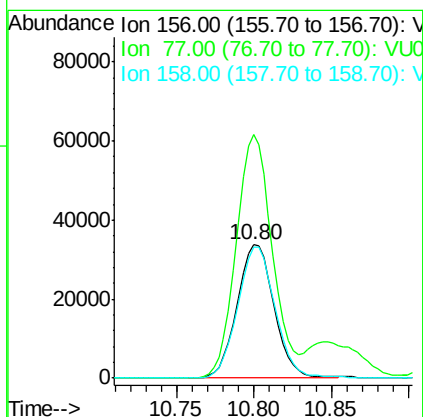
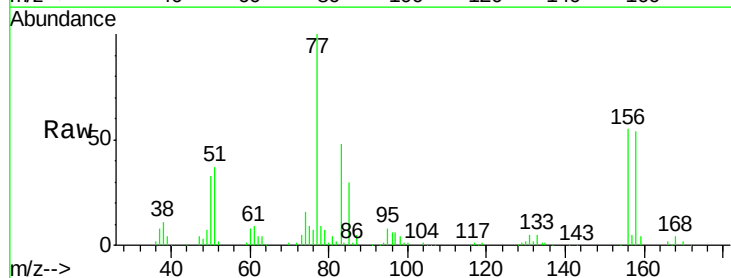
sam

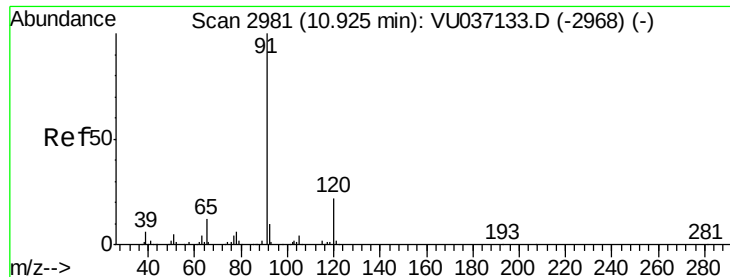
3/10/2020 3:06:31 PM



#72
 Bromobenzene
 Concen: 10.031 ug/l
 RT: 10.80 min Scan# 2942
 Delta R.T. 0.00 min
 Lab File: VU037133.D
 Acq: 09 Mar 2020 14:20

Tgt Ion:	156	Resp:	56176
Ion	Ratio	Lower	Upper
156	100		
77	177.1	0.0	306.6
158	99.9	0.0	192.0





#73

n-propylbenzene

Concen: 10.641 ug/l

RT: 10.93 min Scan# 2981

Delta R.T. 0.00 min

Lab File: VU037133.D

Acq: 09 Mar 2020 14:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

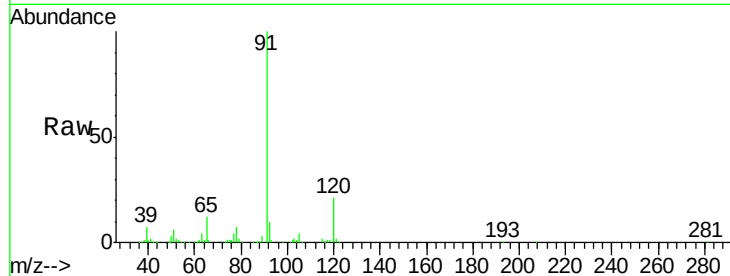
Tot Ion:120 Resp: 69405

Ion Ratio Lower Upper

120 100

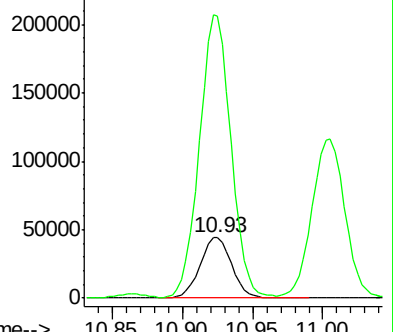
91 463.4 329.5 494.3

Manual Integrations
APPROVED



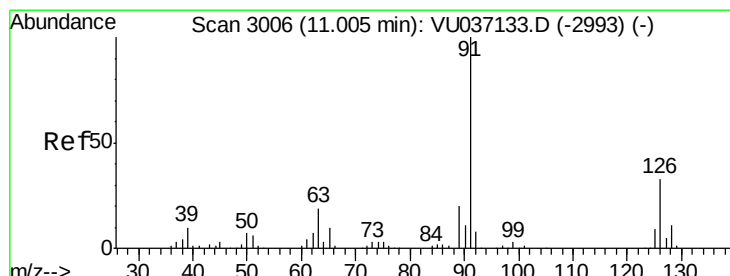
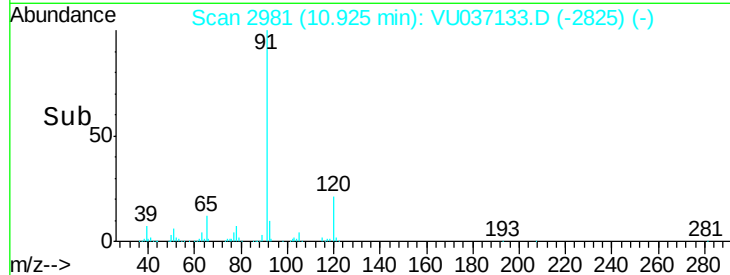
Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



sam

3/10/2020 3:06:31 PM



#74

2-Chlorotoluene

Concen: 10.784 ug/l

RT: 11.01 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VU037133.D

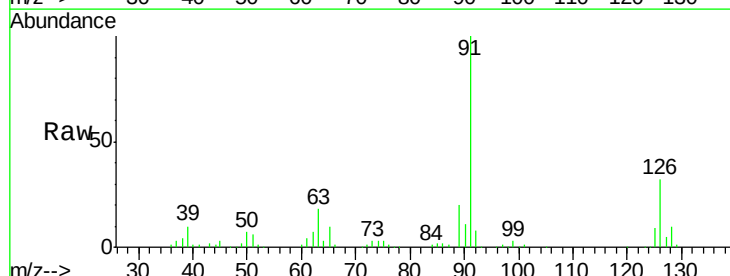
Acq: 09 Mar 2020 14:20

Tgt Ion:126 Resp: 60410

Ion Ratio Lower Upper

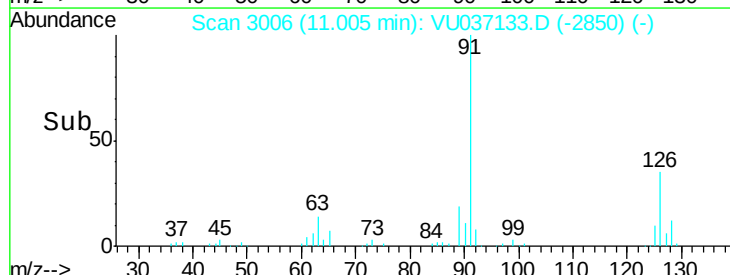
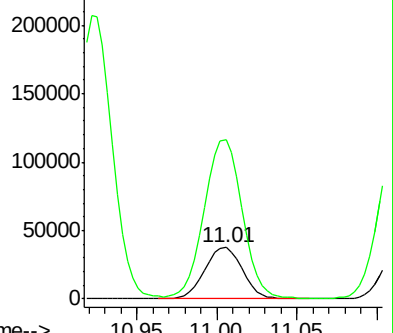
126 100

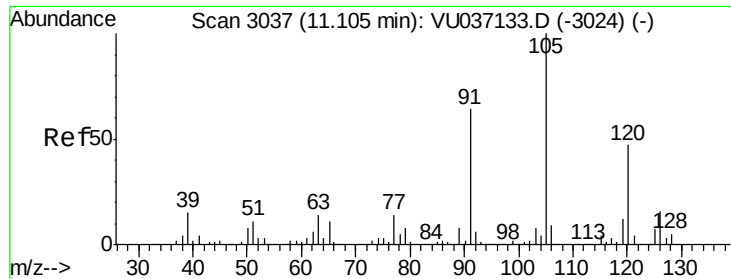
91 311.0 0.0 567.4



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#75

1,3,5-Trimethylbenzene

Concen: 11.214 ug/l

RT: 11.11 min Scan# 3037

Delta R.T. 0.00 min

Lab File: VU037133.D

Acq: 09 Mar 2020 14:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

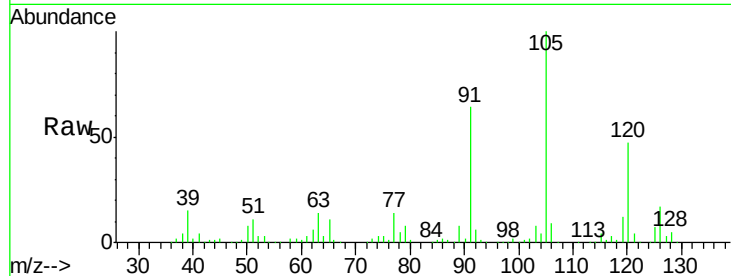
Tot Ion:105 Resp: 223569

Ion Ratio Lower Upper

105 100

120 46.3 39.8 59.8

Manual Integrations
APPROVED



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

100000

50000

0

11.11

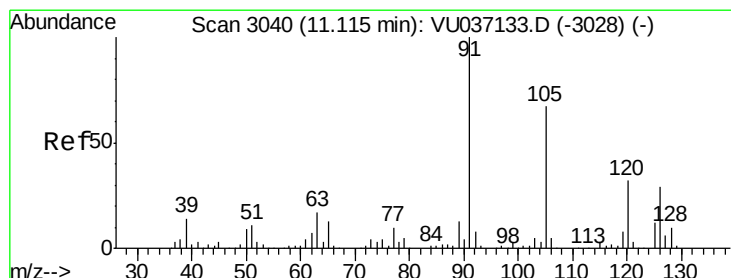
11.10

11.20

Time-->

sam

3/10/2020 3:06:31 PM



#76

4-Chlorotoluene

Concen: 10.628 ug/l

RT: 11.11 min Scan# 3040

Delta R.T. 0.00 min

Lab File: VU037133.D

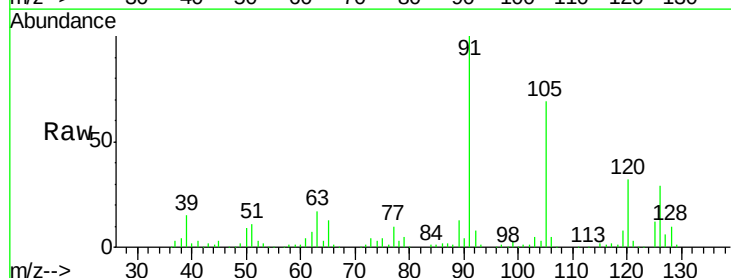
Acq: 09 Mar 2020 14:20

Tgt Ion:126 Resp: 61514

Ion Ratio Lower Upper

126 100

91 363.6 0.0 633.0



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0

150000

100000

50000

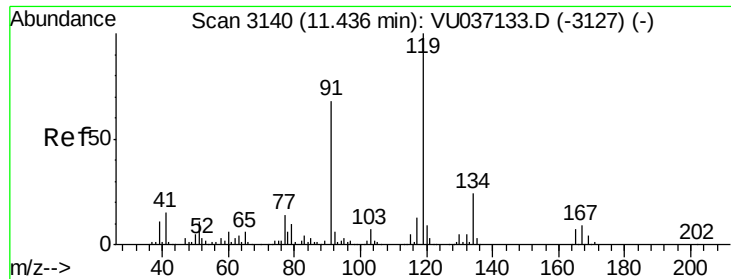
0

11.11

11.10

11.20

Time-->



#77

tert-Butylbenzene

Concen: 11.165 ug/l

RT: 11.44 min Scan# 3140

Delta R.T. 0.00 min

Lab File: VU037133.D

Acq: 09 Mar 2020 14:20

Instrument :

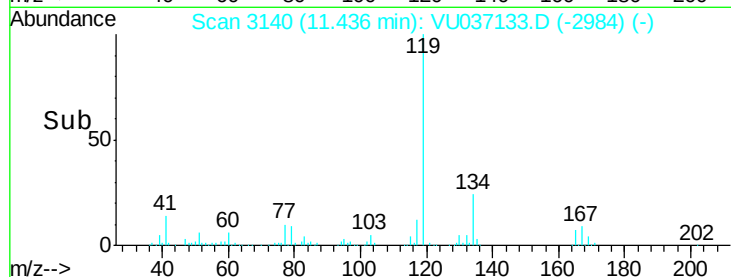
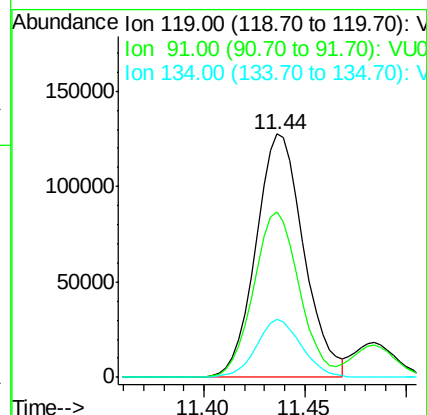
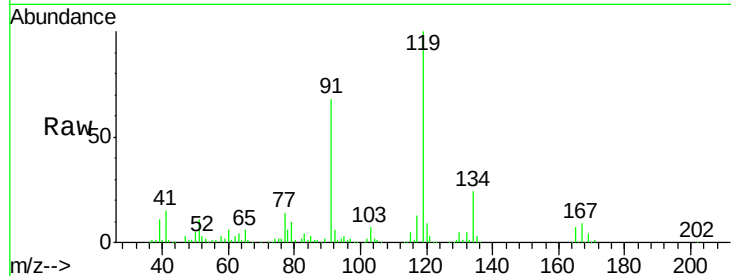
MSVOA_U

ClientSampleId :

VSTDICCC010

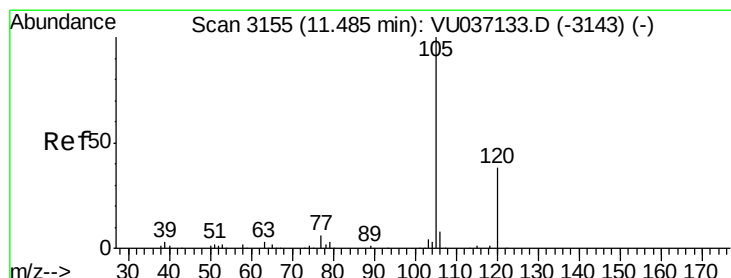
Tot Ion:	119	Resp:	210928
Ion Ratio	Lower	Upper	
119	100		
91	65.1	29.3	87.8
134	22.6	19.0	28.4

Manual Integrations
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#78

1,2,4-Trimethylbenzene

Concen: 11.278 ug/l

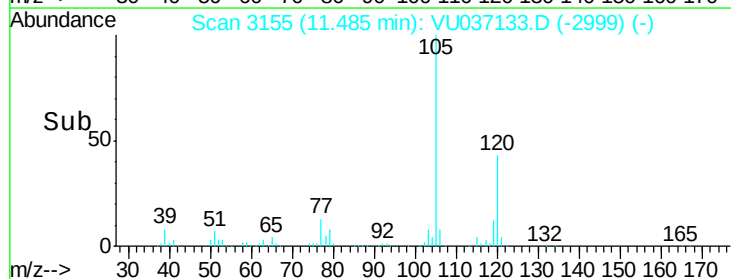
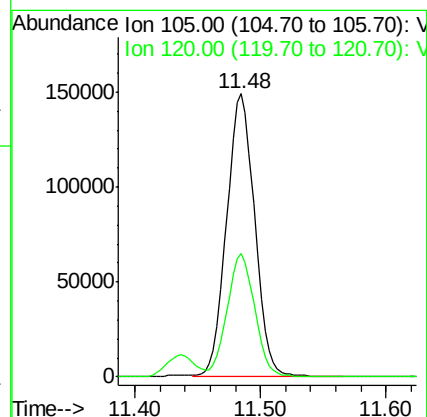
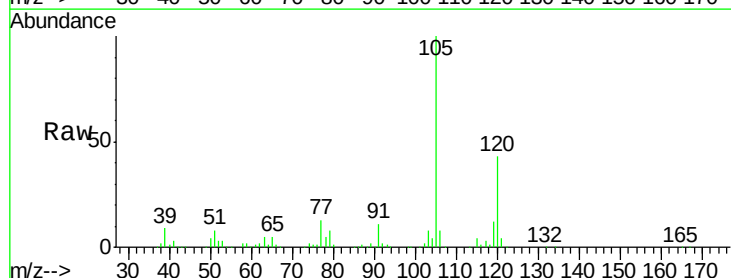
RT: 11.48 min Scan# 3155

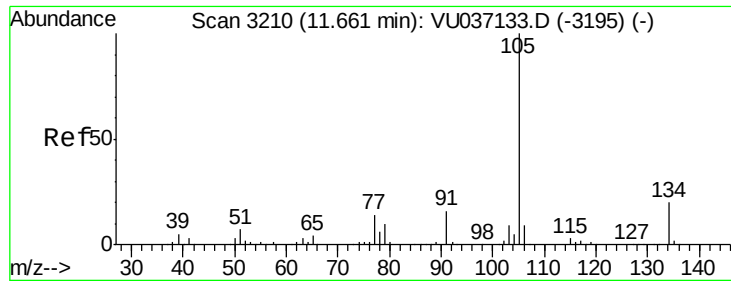
Delta R.T. 0.00 min

Lab File: VU037133.D

Acq: 09 Mar 2020 14:20

Tgt Ion:	105	Resp:	231838
Ion Ratio	Lower	Upper	
105	100		
120	42.9	23.3	69.8





#79

sec-Butylbenzene

Concen: 11.053 ug/l

RT: 11.66 min Scan# 3210

Delta R.T. 0.00 min

Lab File: VU037133.D

Acq: 09 Mar 2020 14:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

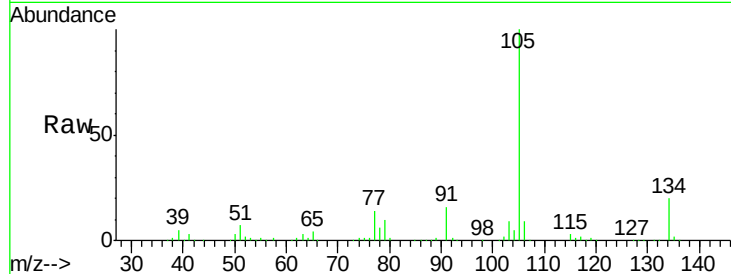
Tot Ion:105 Resp: 289700

Ion Ratio Lower Upper

105 100

134 19.3 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

200000

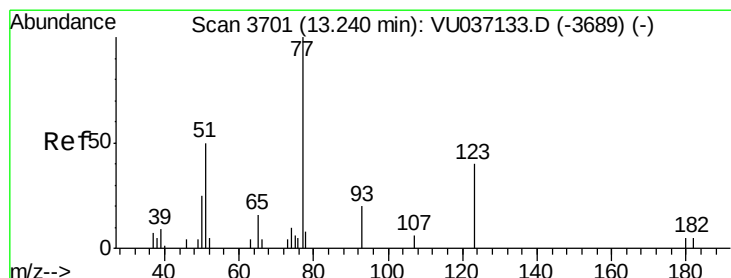
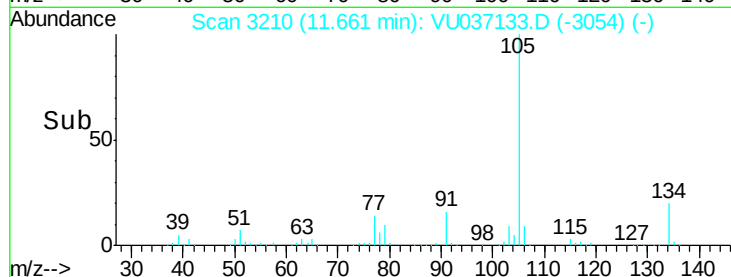
150000

100000

50000

0

Time-->



#80

Nitrobenzene

Concen: 93.318 ug/l

RT: 13.24 min Scan# 3701

Delta R.T. 0.00 min

Lab File: VU037133.D

Acq: 09 Mar 2020 14:20

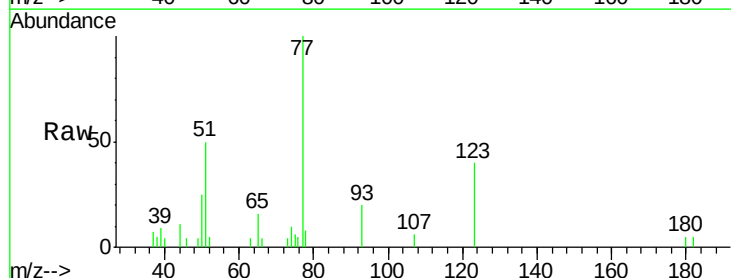
Tgt Ion: 77 Resp: 6094

Ion Ratio Lower Upper

77 100

123 38.4 19.6 69.6

65 15.3 12.7 16.1



Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0

13.24

4000

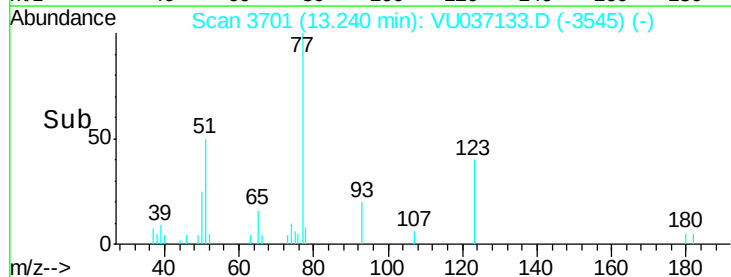
3000

2000

1000

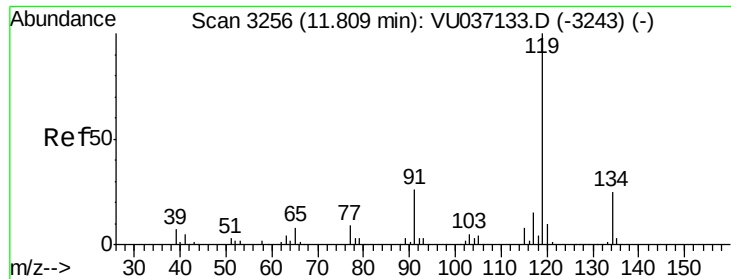
0

Time-->



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#81

p-Isopropyltoluene

Concen: 10.908 ug/l

RT: 11.81 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VU037133.D

Acq: 09 Mar 2020 14:20

Instrument :

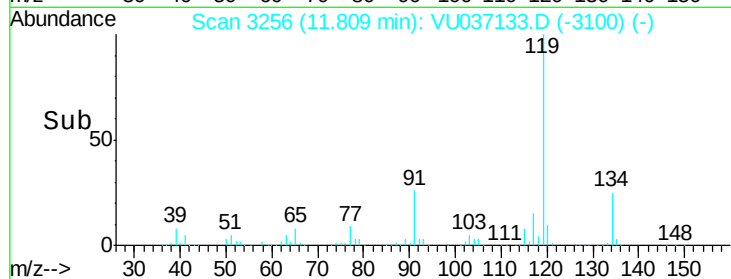
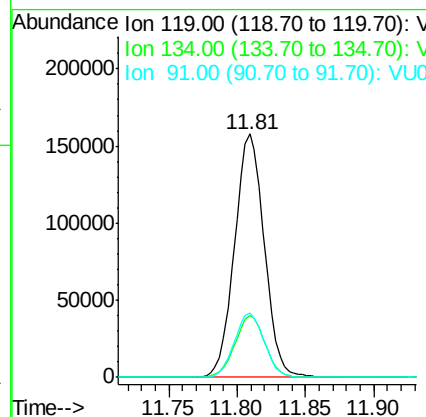
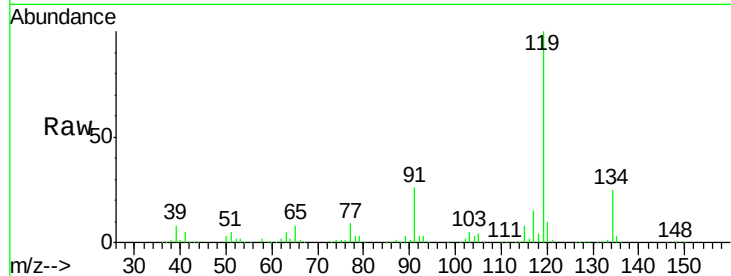
MSVOA_U

ClientSampleId :

VSTDICCC010

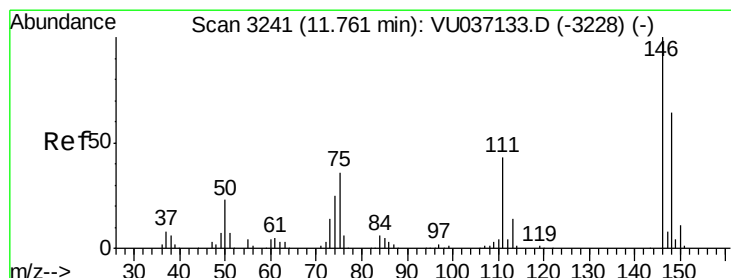
Tot Ion:	119	Resp:	238947
Ion Ratio	Lower	Upper	
119	100		
134	25.5	21.4	32.0
91	26.5	18.3	27.5

Manual Integrations
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#82

1,3-Dichlorobenzene

Concen: 10.375 ug/l

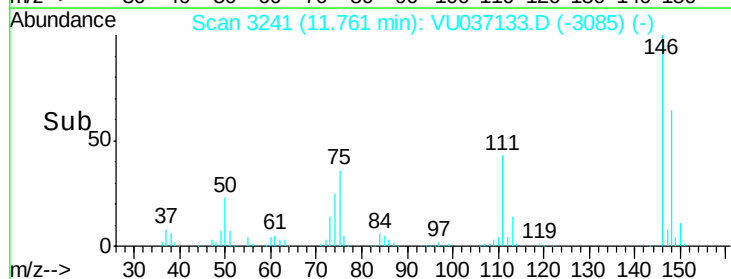
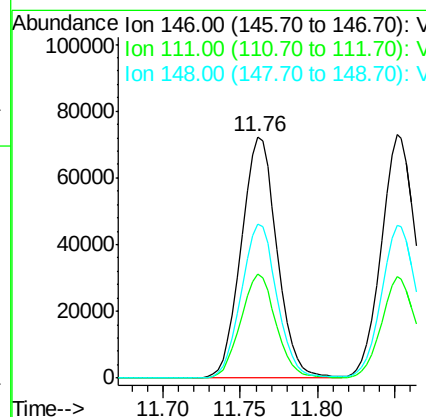
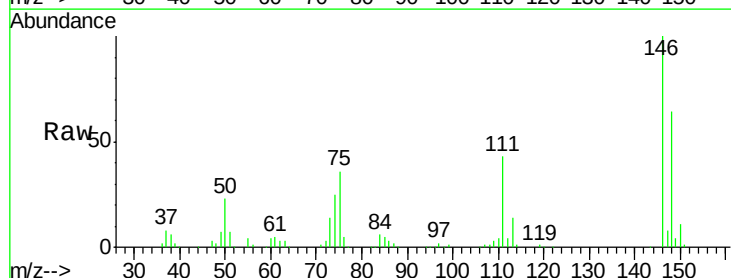
RT: 11.76 min Scan# 3241

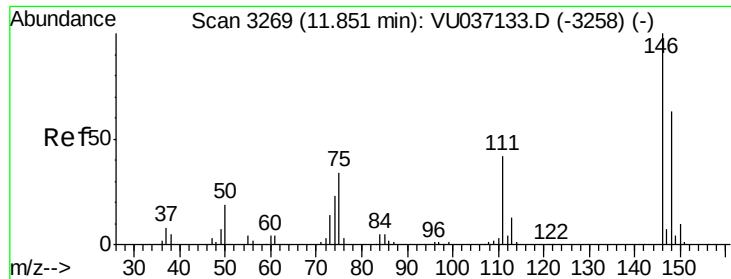
Delta R.T. 0.00 min

Lab File: VU037133.D

Acq: 09 Mar 2020 14:20

Tgt Ion:	146	Resp:	116242
Ion Ratio	Lower	Upper	
146	100		
111	42.6	32.2	48.2
148	63.7	51.4	77.2



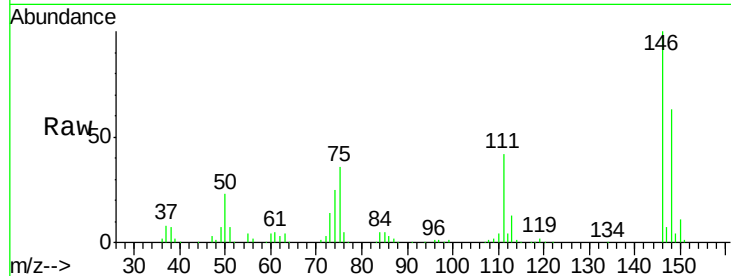


#83
 1,4-Dichlorobenzene
 Concen: 10.426 ug/l
 RT: 11.85 min Scan# 3269
 Delta R.T. 0.00 min
 Lab File: VU037133.D
 Acq: 09 Mar 2020 14:20

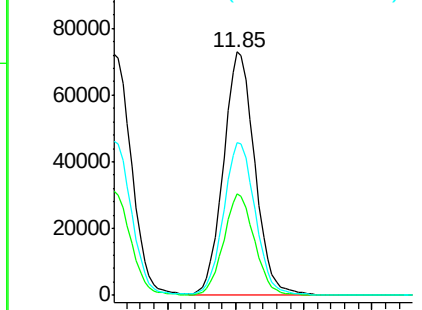
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	30.5	45.7
148	63.4	51.0	76.4

Manual Integrations
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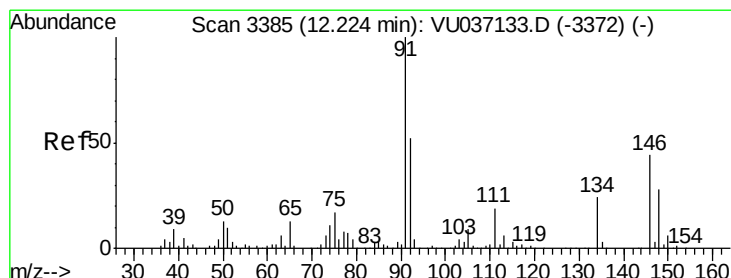
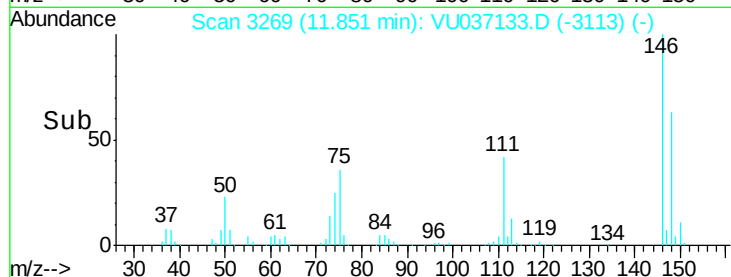


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V



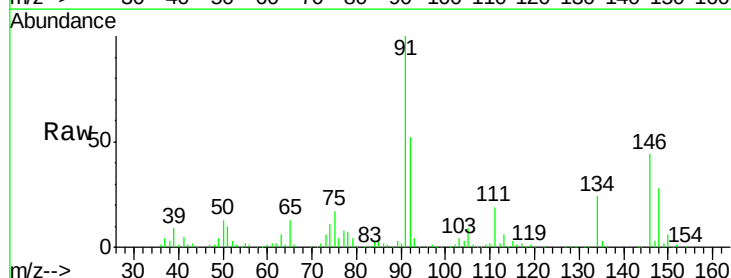
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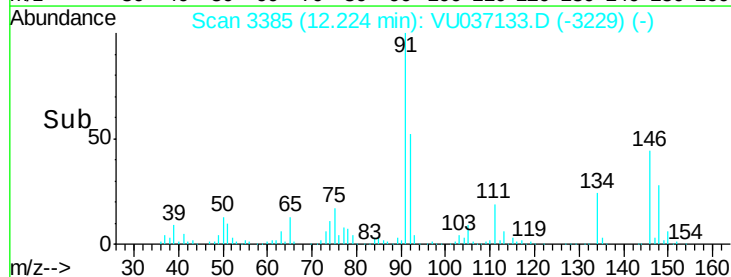
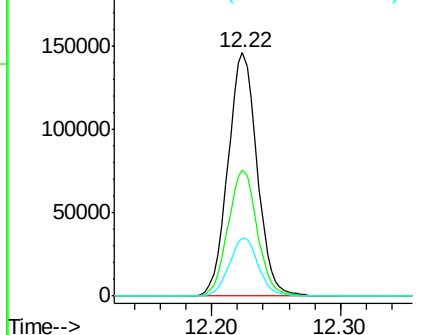


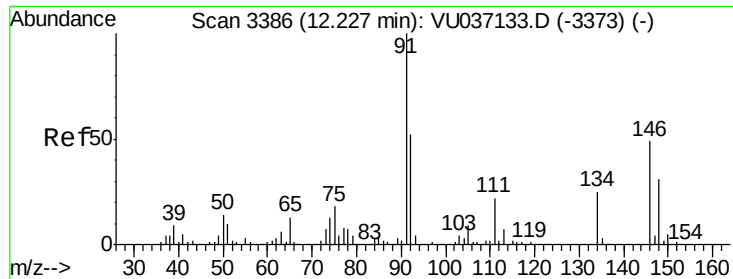
#84
 n-Butylbenzene
 Concen: 11.245 ug/l
 RT: 12.22 min Scan# 3385
 Delta R.T. 0.00 min
 Lab File: VU037133.D
 Acq: 09 Mar 2020 14:20

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.0	42.9	64.3
134	23.8	21.4	32.0



Abundance Ion 91.00 (90.70 to 91.70): VU0
 Ion 92.00 (91.70 to 92.70): VU0
 Ion 134.00 (133.70 to 134.70): V



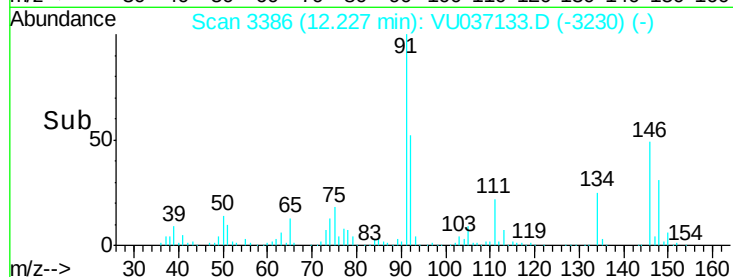
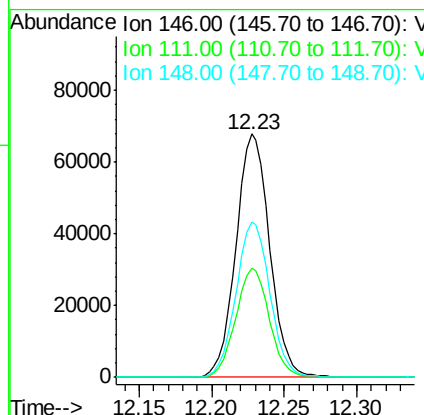
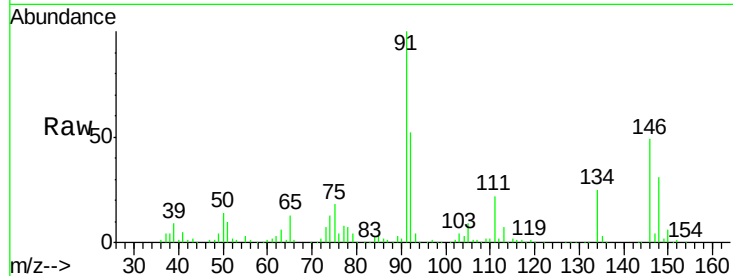


#85
 1,2-Dichlorobenzene
 Concen: 10.211 ug/l
 RT: 12.23 min Scan# 3386
 Delta R.T. 0.00 min
 Lab File: VU037133.D
 Acq: 09 Mar 2020 14:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

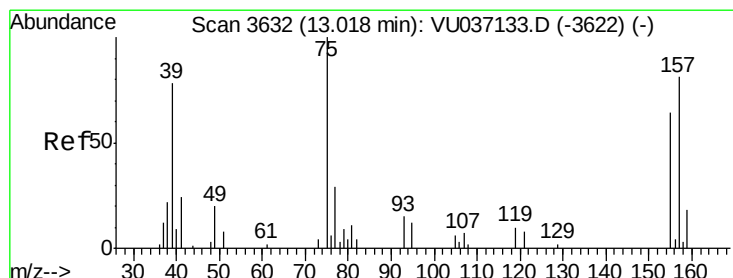
Tot Ion	Ratio	Lower	Upper
146	100		
111	44.7	20.8	62.4
148	64.2	32.0	96.2

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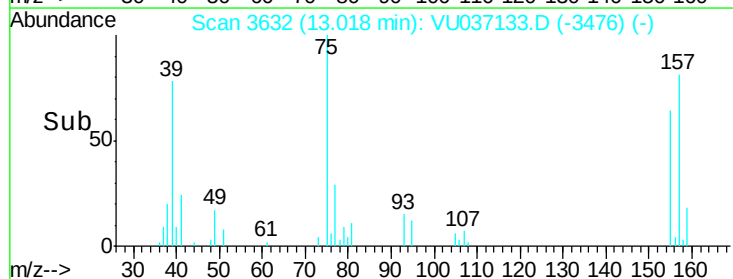
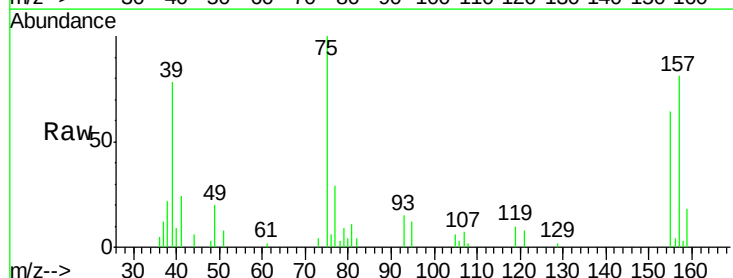
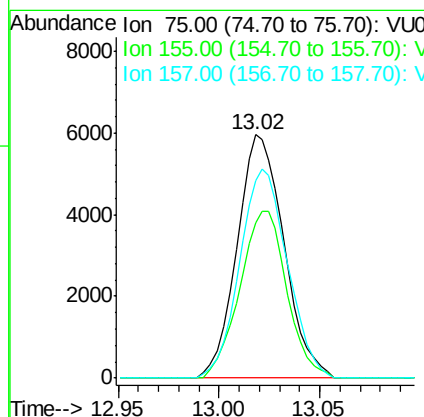
sam

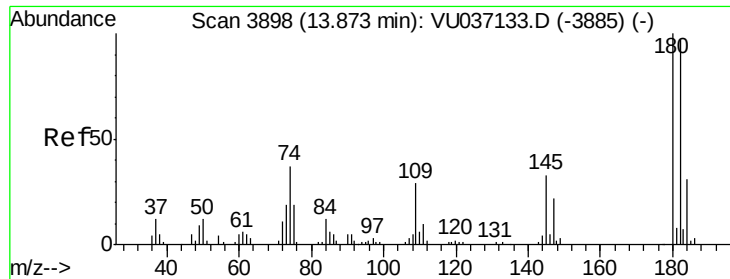
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#86
 1,2-Dibromo-3-Chloropropane
 Concen: 12.547 ug/l
 RT: 13.02 min Scan# 3632
 Delta R.T. 0.00 min
 Lab File: VU037133.D
 Acq: 09 Mar 2020 14:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	68.8	71.8	107.8#
157	87.5	92.4	138.6#



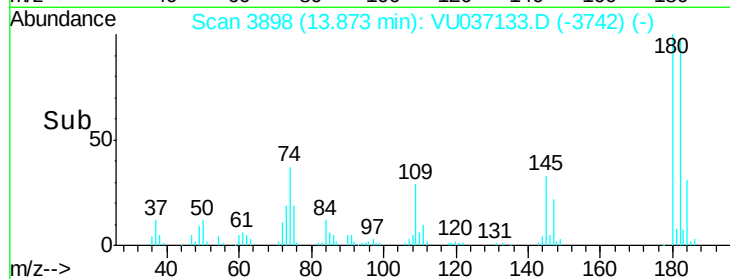
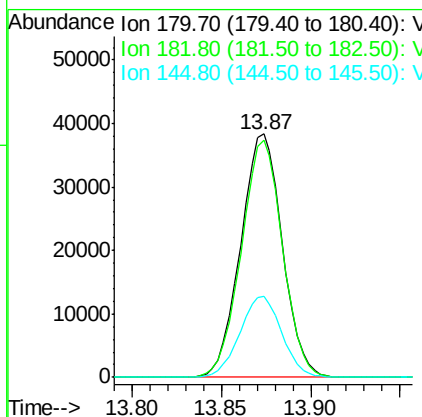
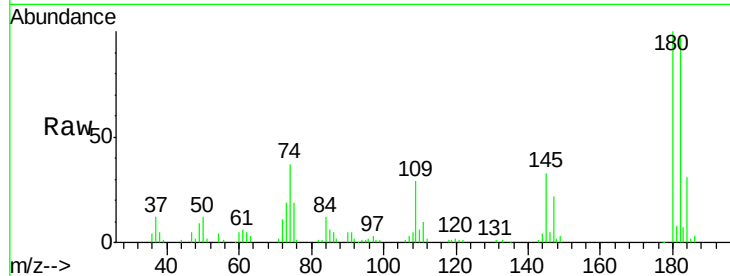


#87
 1,2,4-Trichlorobenzene
 Concen: 9.085 ug/l
 RT: 13.87 min Scan# 3898
 Delta R.T. 0.00 min
 Lab File: VU037133.D
 Acq: 09 Mar 2020 14:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

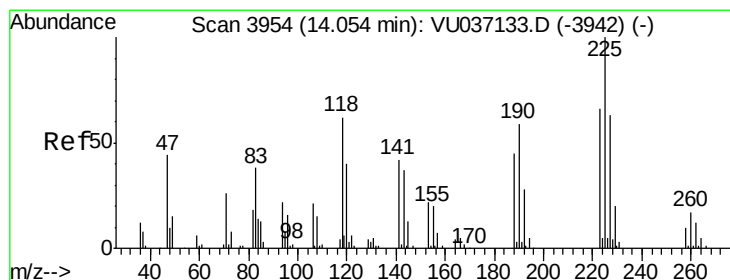
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	75.9	113.9
145	33.4	23.4	35.2

Manual Integrations
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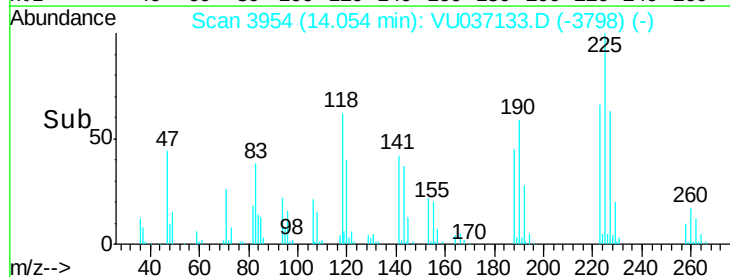
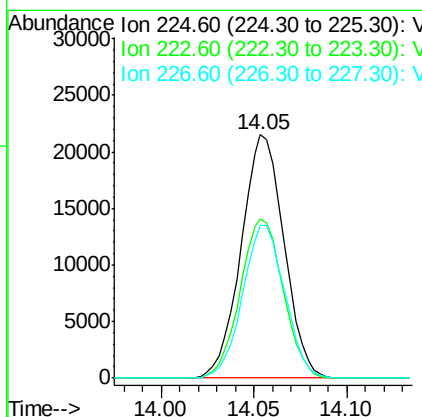
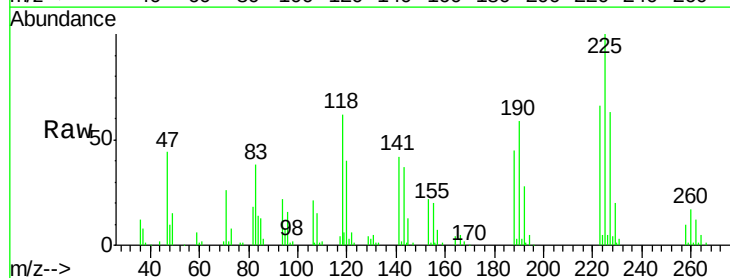
sam

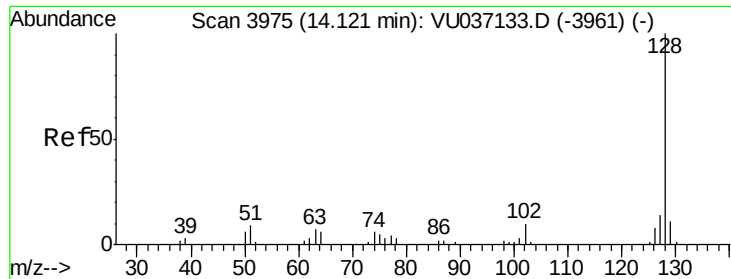
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#88
 Hexachlorobutadiene
 Concen: 9.161 ug/l
 RT: 14.05 min Scan# 3954
 Delta R.T. 0.00 min
 Lab File: VU037133.D
 Acq: 09 Mar 2020 14:20

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.3	51.7	77.5
227	61.8	50.6	75.8



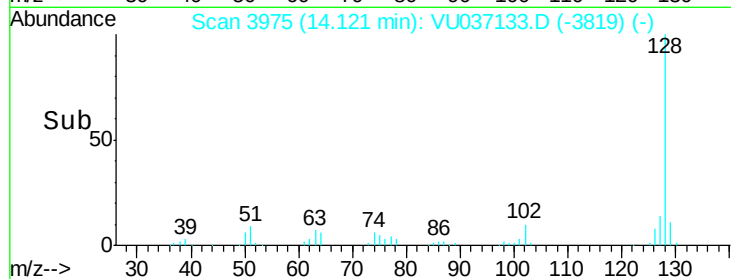
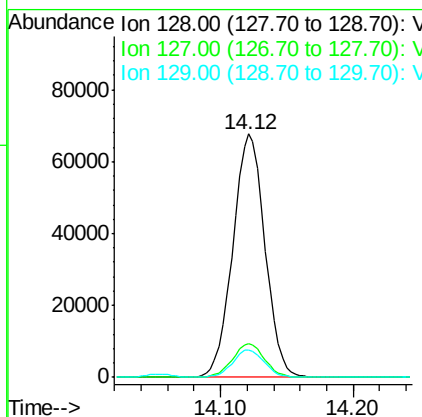
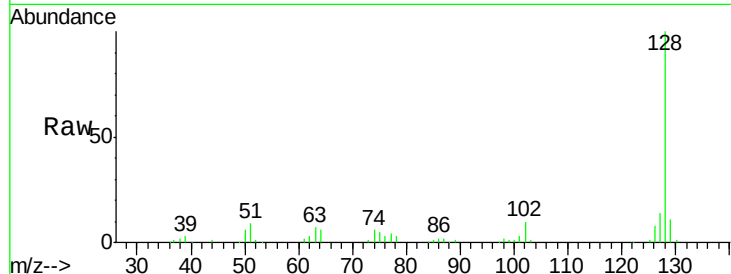


#89
Naphthalene
Concen: 9.614 ug/l
RT: 14.12 min Scan# 3975
Delta R.T. 0.00 min
Lab File: VU037133.D
Acq: 09 Mar 2020 14:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

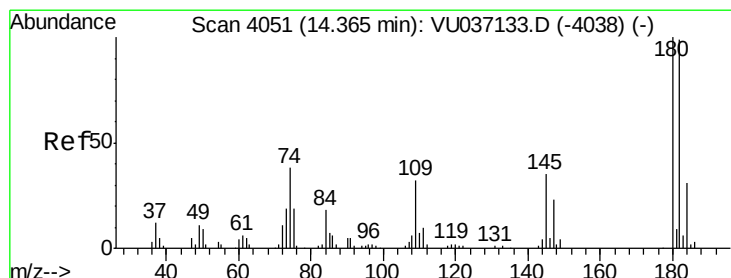
Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.5	15.7
129	11.1	8.7	13.1

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#90
1,2,3-Trichlorobenzene
Concen: 9.172 ug/l
RT: 14.37 min Scan# 4051
Delta R.T. 0.00 min
Lab File: VU037133.D
Acq: 09 Mar 2020 14:20

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.3	76.2	114.4
145	34.2	25.2	37.8

