

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU030920\
 Data File : VU037134.D
 Acq On : 09 Mar 2020 14:48
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

Quant Time: Mar 09 15:45:17 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	17464	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.65	95	7389	1.12	ug/l	0.00
Spiked Amount	1.000		Recovery	=	112.00%	
68) 1,2-Dichlorobenzene-d4	12.21	152	7149	1.06	ug/l	0.00
Spiked Amount	1.000		Recovery	=	106.00%	

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Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	164168	28.438	ug/l 99
3) Chloromethane	1.54	50	167736	27.102	ug/l 100
4) Vinyl Chloride	1.62	62	151228	21.573	ug/l 98
5) Bromomethane	1.86	94	54613	12.538	ug/l 98
6) Chloroethane	1.95	64	67557	16.268	ug/l 100
7) Trichlorofluoromethane	2.16	101	173797	25.094	ug/l 99
8) 1,1,2-Trichloro-1,2,2-trif	2.60	101	81241	18.830	ug/l 94
9) 1,1-Dichloroethene	2.60	96	76431	16.642	ug/l 77
10) Iodomethane	2.75	142	57803	11.734	ug/l # 75
11) Allyl Chloride	2.95	41	149979	23.619	ug/l # 65
12) Acrylonitrile	3.36	53	35692	31.686	ug/l # 88
13) Acetone	2.66	43	92612	100.858	ug/l # 77
14) Carbon Disulfide	2.82	76	258452	16.250	ug/l 100
15) Methylene Chloride	3.08	84	84224	13.924	ug/l # 78
16) trans-1,2-Dichloroethene	3.38	96	81069	16.003	ug/l 84
17) 1,1-Dichloroethane	3.91	63	182687	22.129	ug/l 98
18) 2-Butanone	4.76	43	158515	131.077	ug/l 97
19) Cyclohexane	5.42	56	173266m	22.962	ug/l
20) Methylcyclohexane	6.79	83	176390	20.937	ug/l 90
21) 2,2-Dichloropropane	4.70	77	169488	24.049	ug/l 96
22) cis-1,2-Dichloroethene	4.71	96	105852	20.139	ug/l 84
23) Diethyl Ether	2.40	59	66466	18.736	ug/l 88
24) tert-Butyl Alcohol	3.24	59	77133	243.284	ug/l 98
25) Methyl tert-Butyl Ether	3.41	73	224229	18.633	ug/l # 73
26) Bromochloromethane	5.02	128	43322	19.030	ug/l 79
27) Chloroform	5.13	83	195874	23.987	ug/l 97
28) 1,1,1-Trichloroethane	5.35	97	175593	25.644	ug/l 97
29) 1,1-Dichloropropene	5.56	75	147485	22.070	ug/l 96
30) Carbon Tetrachloride	5.56	117	157264	26.823	ug/l 97
31) Isopropyl Ether	4.05	45	316709	25.273	ug/l 88
32) Ethyl-t-butyl ether	4.56	59	301338	22.983	ug/l 93
33) Tert-Amyl methyl ether	5.98	73	261252	21.761	ug/l 99
34) Propionitrile	4.83	54	42068	120.680	ug/l # 92
35) Benzene	5.81	78	404458	20.901	ug/l 98
36) 1,2-Dichloroethane	5.83	62	141975	27.255	ug/l # 93
37) Trichloroethene	6.57	130	104595	19.578	ug/l 93
38) 1,2-Dichloropropane	6.83	63	110486	22.709	ug/l 100
39) Methacrylonitrile	5.02	41	40650	27.747	ug/l # 84
40) Methyl acrylate	4.89	55	55103	23.730	ug/l # 94
41) Tetrahydrofuran	5.11	42	39911	50.003	ug/l # 86
42) 1-Chlorobutane	5.49	56	214262	24.748	ug/l 84

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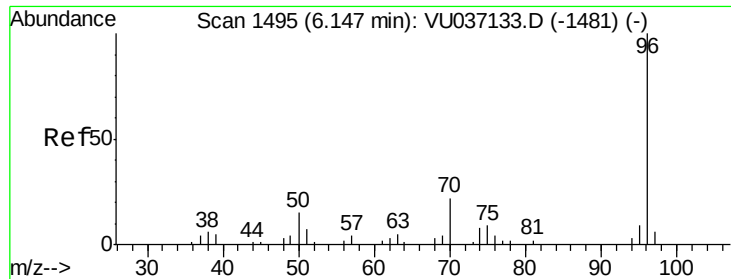
Instrument :
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Manual Integrations
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Quant Time: Mar 09 15:45:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U030920DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.95	93	56715	22.334	ug/l	90
44) Bromodichloromethane	7.14	83	149694	24.920	ug/l	100
45) 4-Methyl-2-Pentanone	7.83	43	397830	139.049	ug/l #	87
46) t-1,4-Dichloro-2-butene	10.86	75	49000m	38.889	ug/l	
47) Methyl methacrylate	7.00	69	105971	42.584	ug/l #	66
48) Ethyl methacrylate	8.36	69	104844	21.812	ug/l	68
49) Toluene	8.00	92	263279	21.314	ug/l	100sam
50) t-1,3-Dichloropropene	8.24	75	145521	24.311	ug/l	99
51) cis-1,3-Dichloropropene	7.64	75	162072	22.342	ug/l #	81
52) 1,1,2-Trichloroethane	8.43	97	77450	21.496	ug/l	98
53) 1,3-Dichloropropane	8.60	76	136232	22.059	ug/l	100
54) 2-Hexanone	8.71	43	286606	142.839	ug/l	873/10/2020 3:07:09 PM
55) Dibromochloromethane	8.84	129	97475	23.498	ug/l	100
56) 1,2-Dibromoethane	8.95	107	74105	21.360	ug/l	97
58) Tetrachloroethene	8.58	164	97045	18.174	ug/l	95
59) Chlorobenzene	9.47	112	283401	20.597	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.56	131	104073	23.683	ug/l	96
61) Pentachloroethane	11.45	117	81457	28.730	ug/l	96
62) Hexachloroethane	12.49	117	90812	25.133	ug/l	84
63) Ethyl Benzene	9.59	91	529663	22.969	ug/l	95
64) m/p-Xylenes	9.71	106	390508	42.783	ug/l	88
65) o-Xylene	10.12	106	189505	21.440	ug/l	89
66) Styrene	10.13	104	323422	21.850	ug/l	94
67) Bromoform	10.31	173	55078	23.189	ug/l #	98
69) Isopropylbenzene	10.50	105	523202	22.533	ug/l	97
70) 1,1,2,2-Tetrachloroethane	10.80	83	103367	22.739	ug/l	97
71) 1,2,3-Trichloropropane	10.85	75	80956m	24.959	ug/l	
72) Bromobenzene	10.80	156	117440	20.993	ug/l	89
73) n-propylbenzene	10.92	120	142335	21.847	ug/l	78
74) 2-Chlorotoluene	11.01	126	123681	22.102	ug/l	87
75) 1,3,5-Trimethylbenzene	11.11	105	463863	23.293	ug/l	93
76) 4-Chlorotoluene	11.11	126	126520	21.882	ug/l	79
77) tert-Butylbenzene	11.44	119	435406	23.073	ug/l	93
78) 1,2,4-Trimethylbenzene	11.48	105	475743	23.168	ug/l	95
79) sec-Butylbenzene	11.66	105	600517	22.938	ug/l	98
80) Nitrobenzene	13.24	77	16285	249.645	ug/l	94
81) p-Isopropyltoluene	11.81	119	495834	22.659	ug/l	95
82) 1,3-Dichlorobenzene	11.76	146	239347	21.385	ug/l	98
83) 1,4-Dichlorobenzene	11.85	146	238699	21.338	ug/l	98
84) n-Butylbenzene	12.22	91	482800	23.857	ug/l	97
85) 1,2-Dichlorobenzene	12.23	146	220053	20.546	ug/l	98
86) 1,2-Dibromo-3-Chloropropan	13.02	75	19339	25.133	ug/l #	79
87) 1,2,4-Trichlorobenzene	13.87	180	139356	20.342	ug/l	98
88) Hexachlorobutadiene	14.05	225	69041	18.387	ug/l	99
89) Naphthalene	14.12	128	265538	22.497	ug/l	100
90) 1,2,3-Trichlorobenzene	14.37	180	126034	19.561	ug/l	98

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.15 min Scan# 1495

Delta R.T. -0.00 min

Lab File: VU037134.D

Acq: 09 Mar 2020 14:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 96 Resp: 17464

Ion Ratio Lower Upper

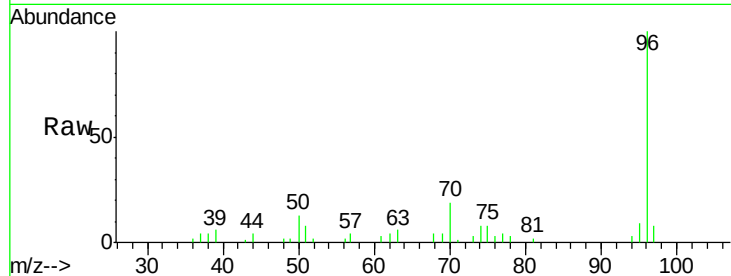
96 100

70 20.6 15.6 23.4

95 0.0 7.0 10.6#

97 0.0 0.0 0.0

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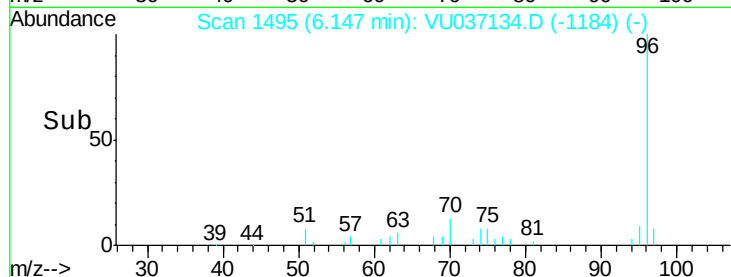
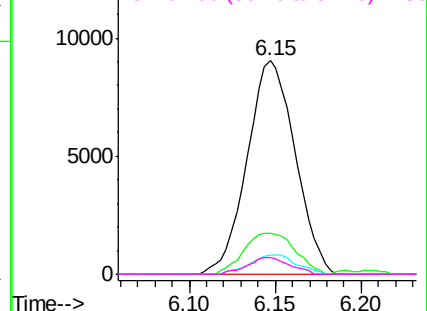


Abundance Ion 96.00 (95.70 to 96.70): VU037133.D (-1481) (-)

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

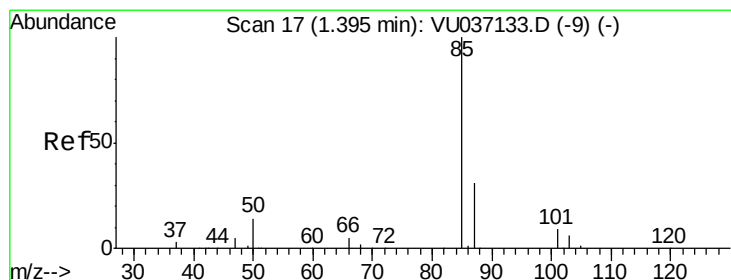
Ion 95.00 (94.70 to 95.70): VU037133.D (-1481) (-)

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



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#2

Dichlorodifluoromethane

Concen: 28.438 ug/l

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU037134.D

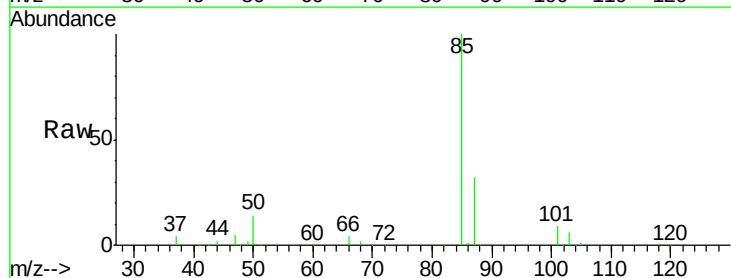
Acq: 09 Mar 2020 14:48

Tgt Ion: 85 Resp: 164168

Ion Ratio Lower Upper

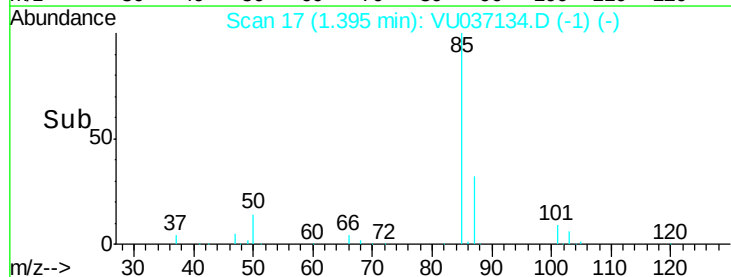
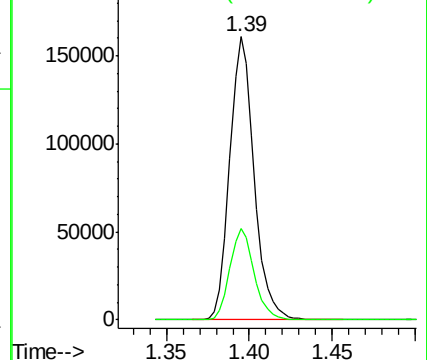
85 100

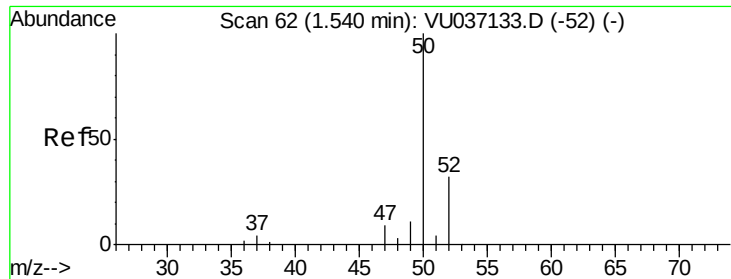
87 32.3 16.4 49.2



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

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





#3

Chloromethane

Concen: 27.102 ug/l

RT: 1.54 min Scan# 62

Delta R.T. -0.00 min

Lab File: VU037134.D

Acq: 09 Mar 2020 14:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

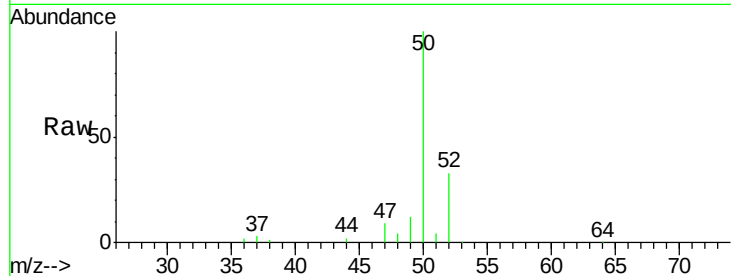
Tot Ion: 50 Resp: 167736

Ion Ratio Lower Upper

50 100

52 32.8 26.0 39.0

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Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

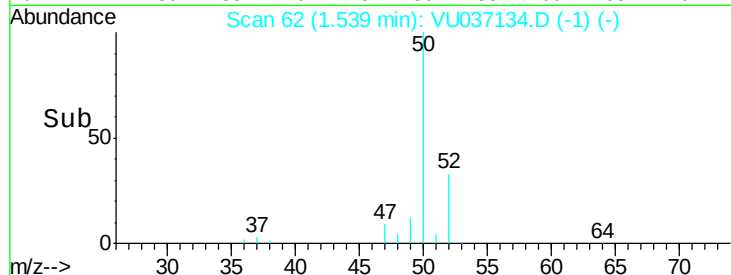
150000

100000

50000

0

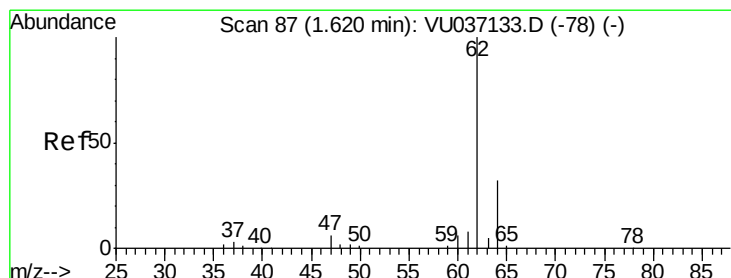
Time-->



Time-->

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#4

Vinyl Chloride

Concen: 21.573 ug/l

RT: 1.62 min Scan# 87

Delta R.T. -0.00 min

Lab File: VU037134.D

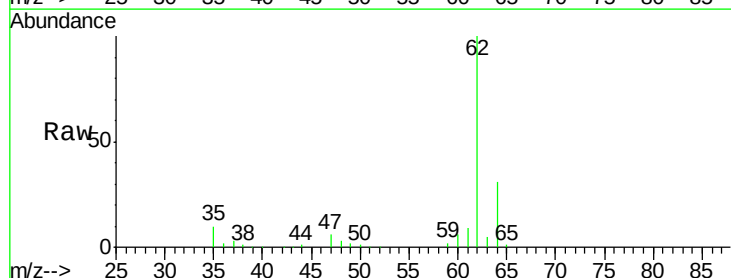
Acq: 09 Mar 2020 14:48

Tgt Ion: 62 Resp: 151228

Ion Ratio Lower Upper

62 100

64 30.6 25.4 38.2



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

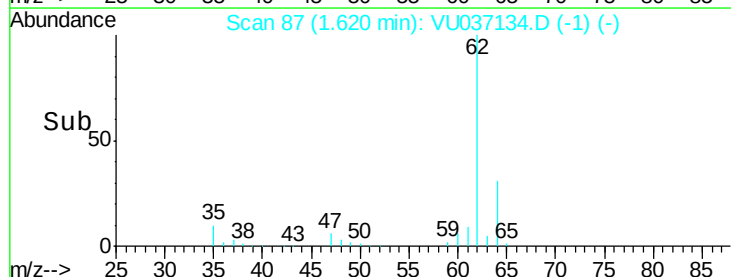
150000

100000

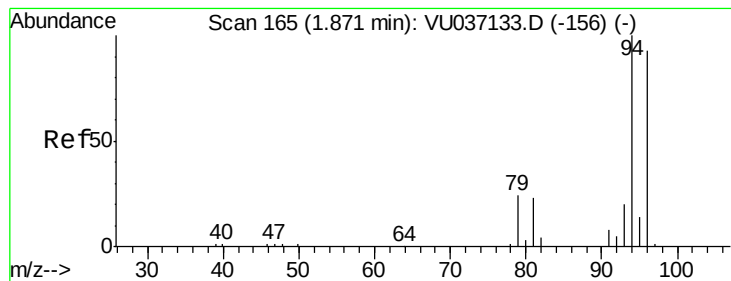
50000

0

Time-->



Time-->



#5

Bromomethane

Concen: 12.538 ug/l

RT: 1.86 min Scan# 163

Delta R.T. -0.01 min

Lab File: VU037134.D

Acq: 09 Mar 2020 14:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

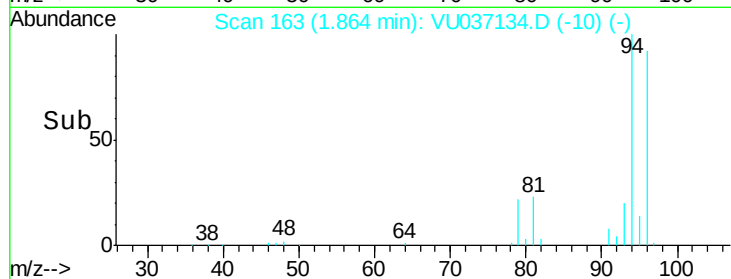
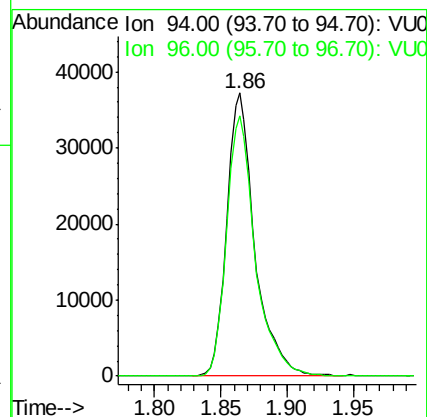
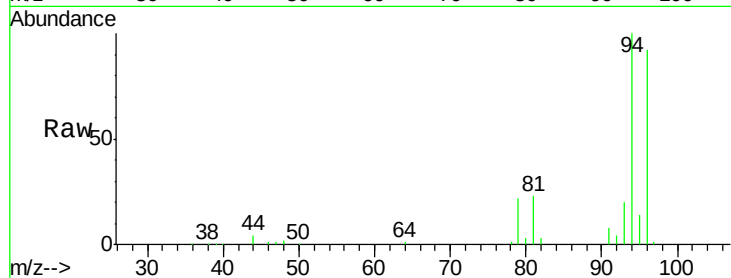
Tot Ion: 94 Resp: 54613

Ion Ratio Lower Upper

94 100

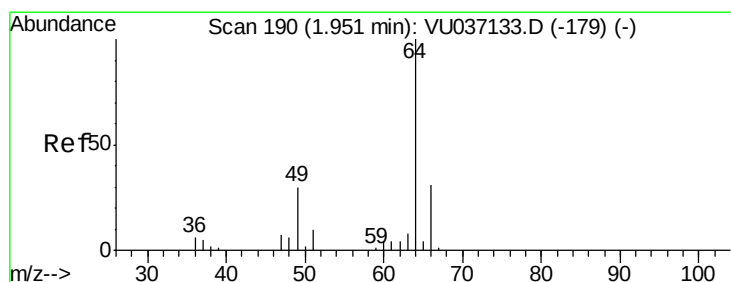
96 91.8 74.6 112.0

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#6

Chloroethane

Concen: 16.268 ug/l

RT: 1.95 min Scan# 189

Delta R.T. -0.00 min

Lab File: VU037134.D

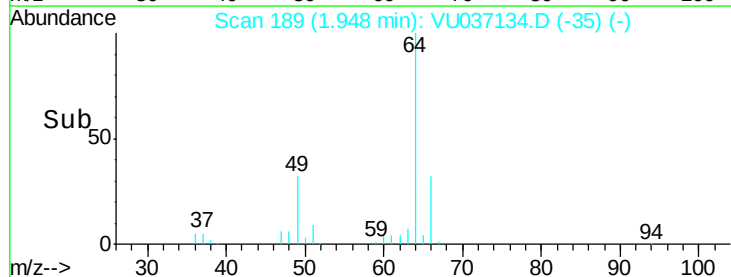
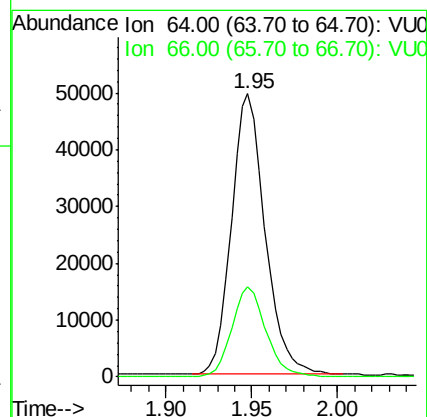
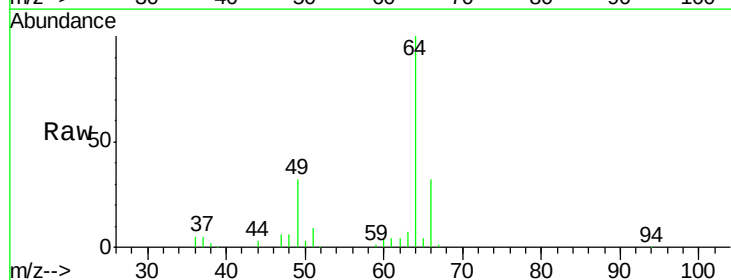
Acq: 09 Mar 2020 14:48

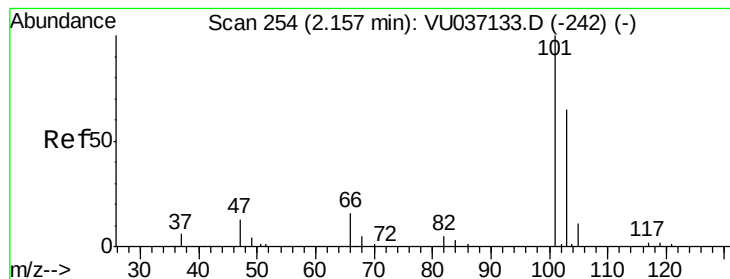
Tgt Ion: 64 Resp: 67557

Ion Ratio Lower Upper

64 100

66 32.0 25.5 38.3





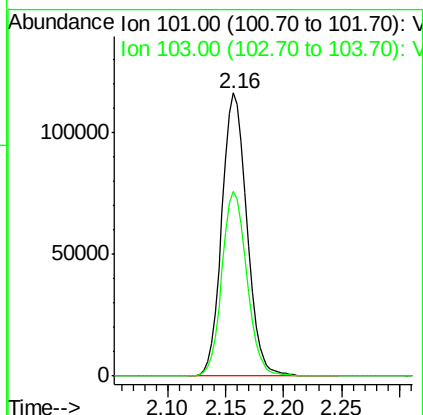
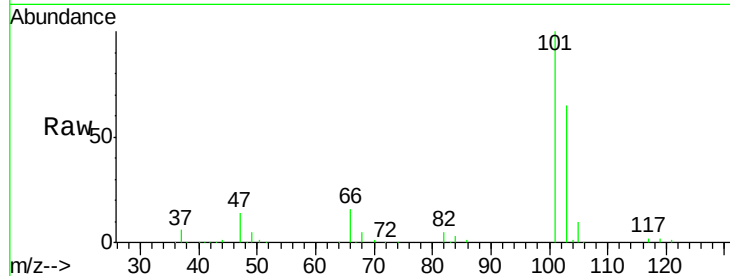
#7

Trichlorofluoromethane
Concen: 25.094 ug/l
RT: 2.16 min Scan# 254
Delta R.T. -0.00 min
Lab File: VU037134.D
Acq: 09 Mar 2020 14:48

Instrument :
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VSTDIC020

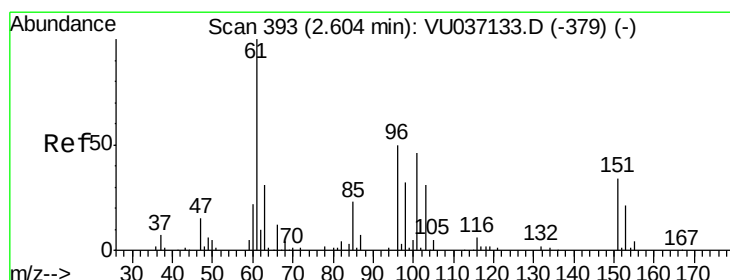
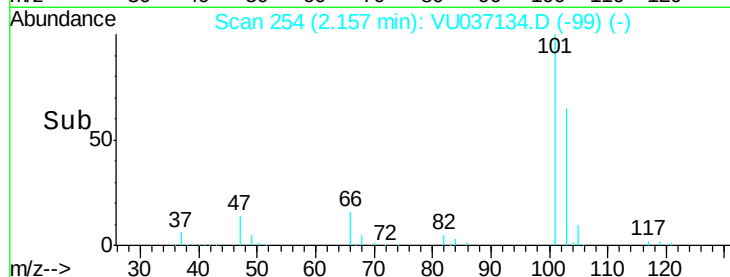
Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	53.0	79.6

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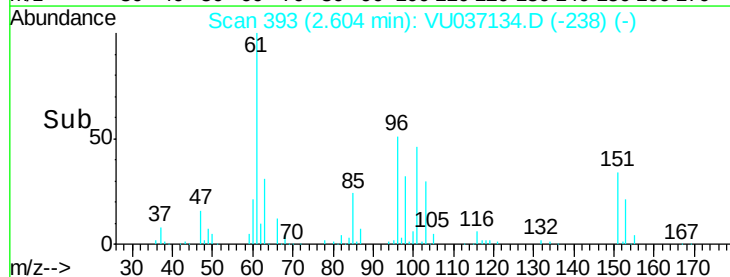
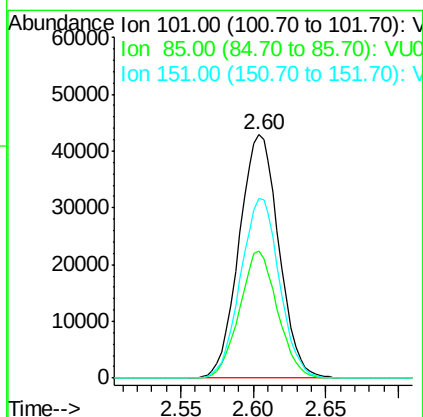
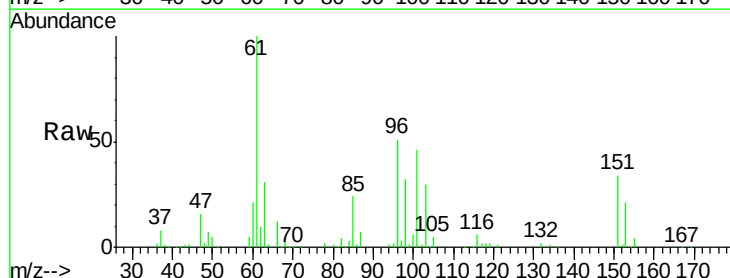
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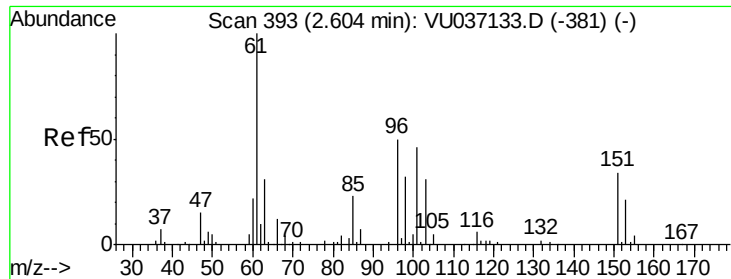


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 18.830 ug/l
RT: 2.60 min Scan# 393
Delta R.T. -0.00 min
Lab File: VU037134.D
Acq: 09 Mar 2020 14:48

Tgt Ion	Ratio	Lower	Upper
101	100		
85	50.0	33.9	50.9
151	72.7	59.8	89.8





#9

1,1-Dichloroethene

Concen: 16.642 ug/l

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037134.D

Acq: 09 Mar 2020 14:48

Instrument :

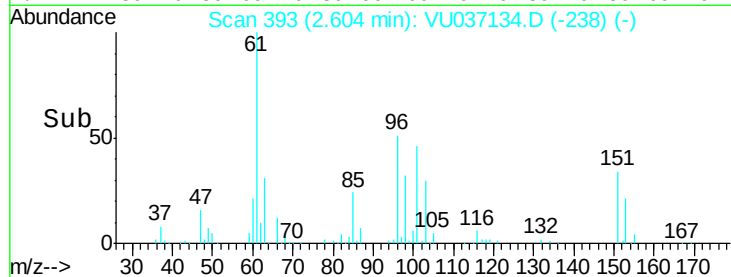
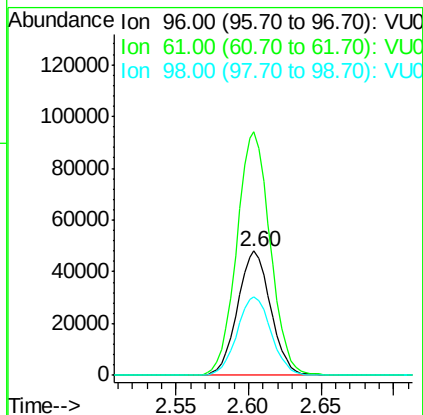
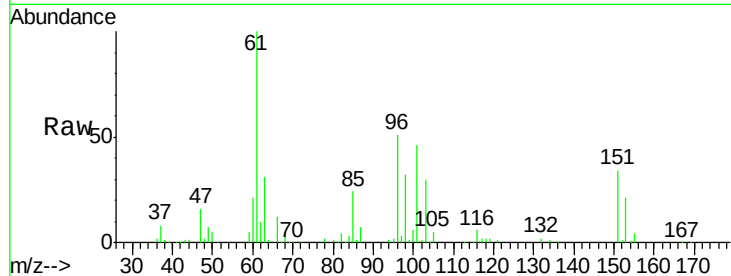
MSVOA_U

ClientSampleId :

VSTDIC020

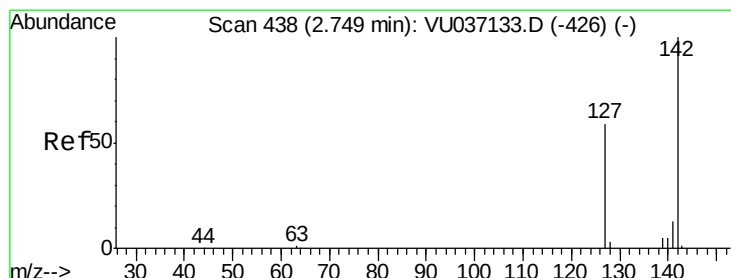
Tot Ion:	96	Resp:	76431
Ion Ratio	Lower	Upper	
96	100		
61	196.1	0.0	463.2
98	63.4	0.0	130.0

Manual Integrations
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#10

Iodomethane

Concen: 11.734 ug/l

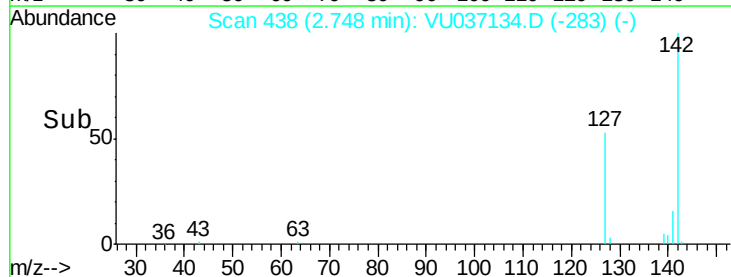
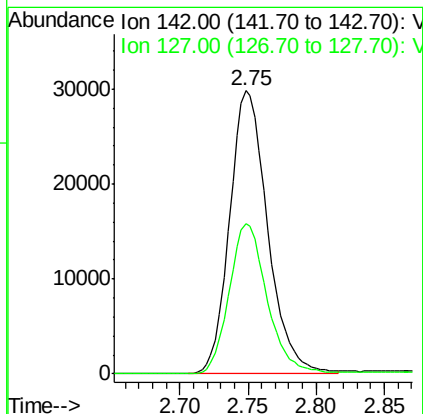
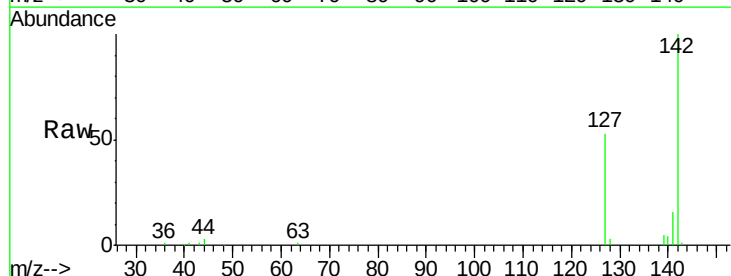
RT: 2.75 min Scan# 438

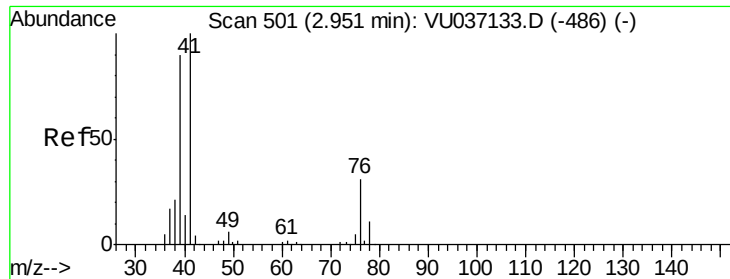
Delta R.T. -0.00 min

Lab File: VU037134.D

Acq: 09 Mar 2020 14:48

Tgt Ion:	142	Resp:	57803
Ion Ratio	Lower	Upper	
142	100		
127	53.1	30.3	45.5#



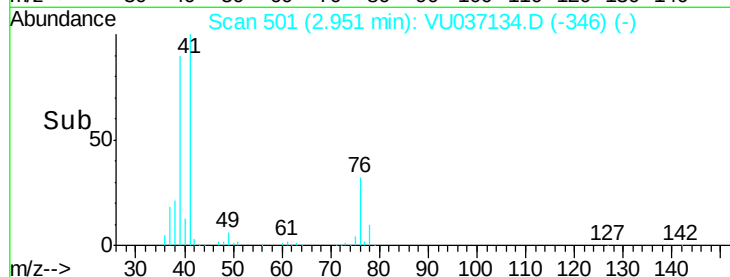
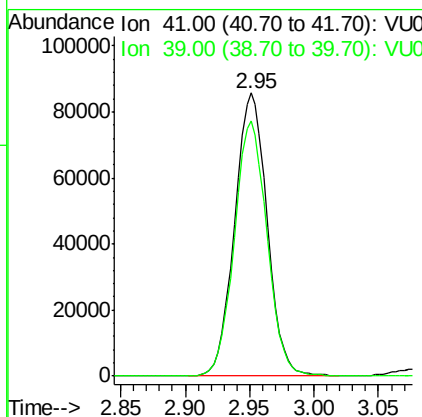
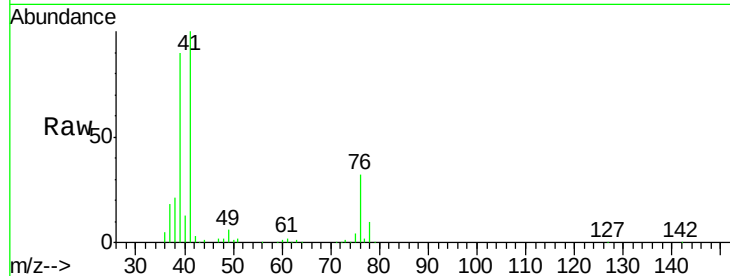


#11
 Allvl Chloride
 Concen: 23.619 ug/l
 RT: 2.95 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VU037134.D
 Acq: 09 Mar 2020 14:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

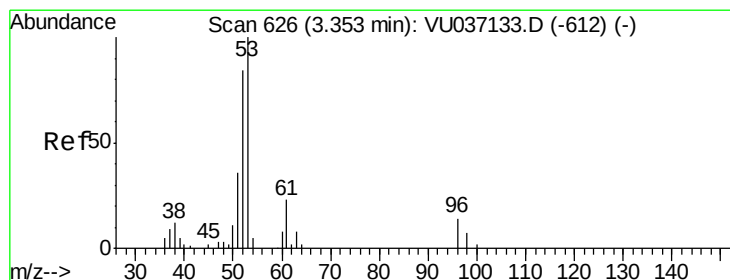
Tot Ion: 41 Resp: 149979
 Ion Ratio Lower Upper
 41 100
 39 90.9 50.7 76.1#

Manual Integrations
 APPROVED



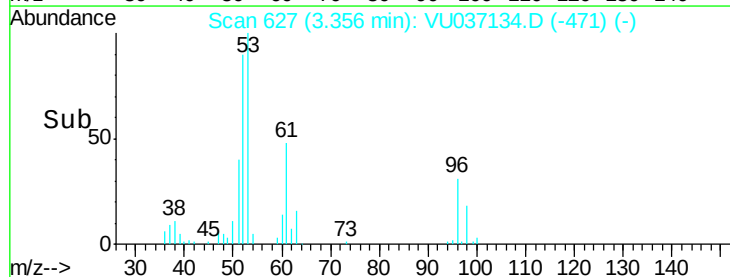
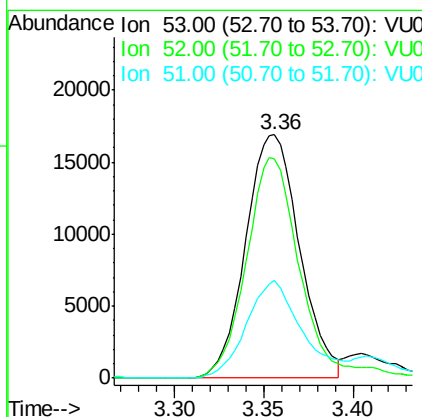
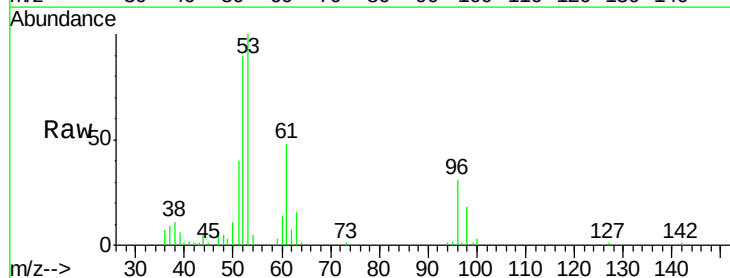
sam

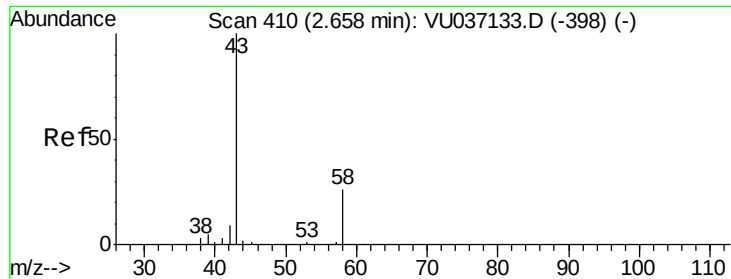
3/10/2020 3:07:09 PM



#12
 Acrylonitrile
 Concen: 31.686 ug/l
 RT: 3.36 min Scan# 627
 Delta R.T. 0.00 min
 Lab File: VU037134.D
 Acq: 09 Mar 2020 14:48

Tgt Ion: 53 Resp: 35692
 Ion Ratio Lower Upper
 53 100
 52 90.7 64.6 97.0
 51 41.2 27.2 40.8#



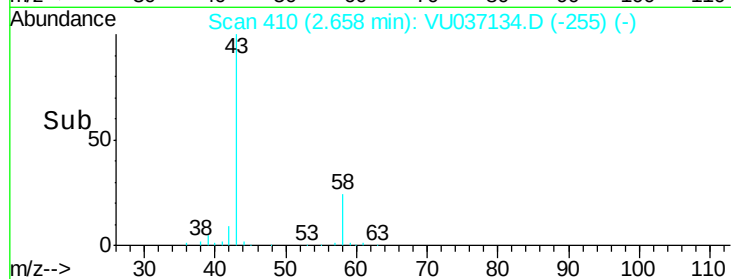
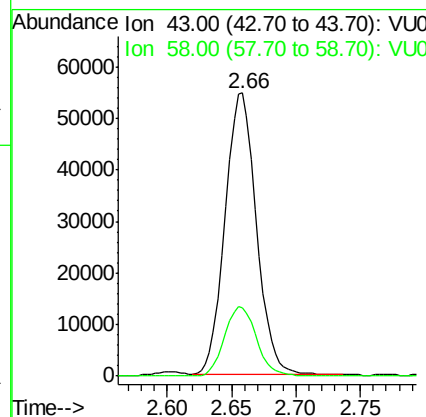
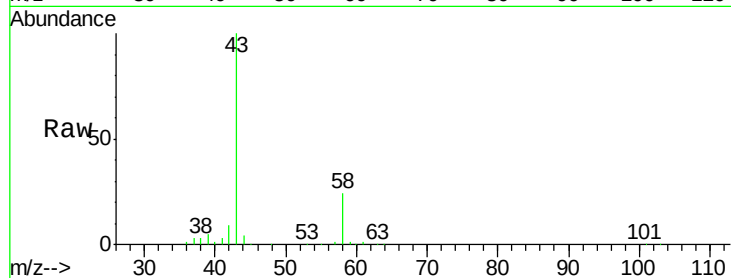


#13
Acetone
Concen: 100.858 ug/l
RT: 2.66 min Scan# 410
Delta R.T. -0.00 min
Lab File: VU037134.D
Acq: 09 Mar 2020 14:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

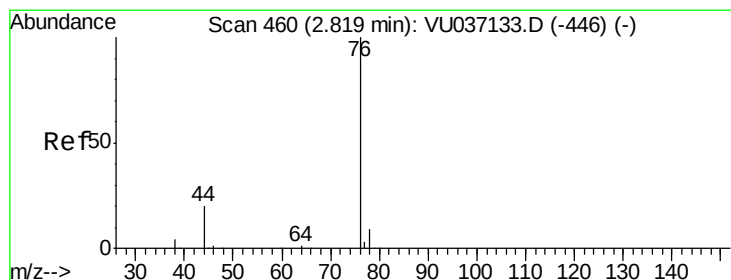
Tot Ion	43	58	Ratio	Lower	Upper
43	100				
58	24.4		30.8	46.2#	

Manual Integrations
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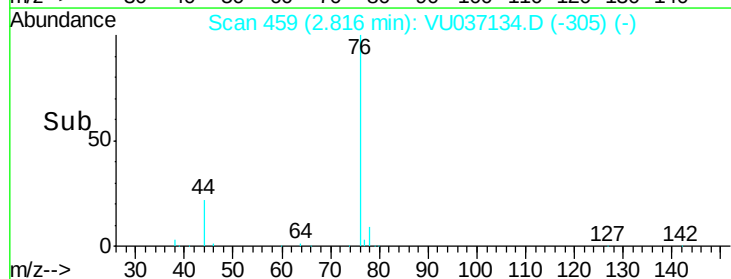
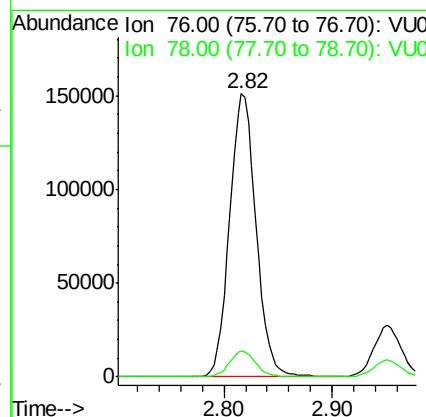
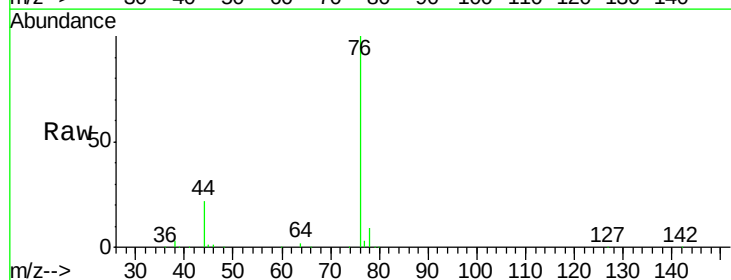
sam

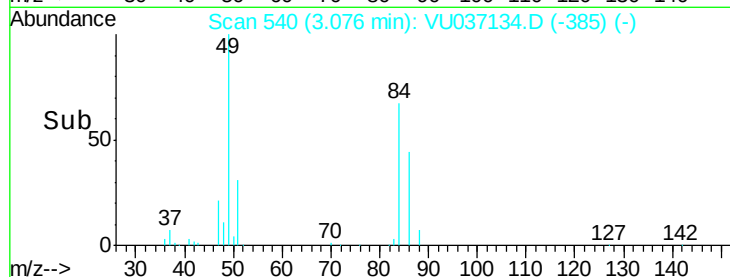
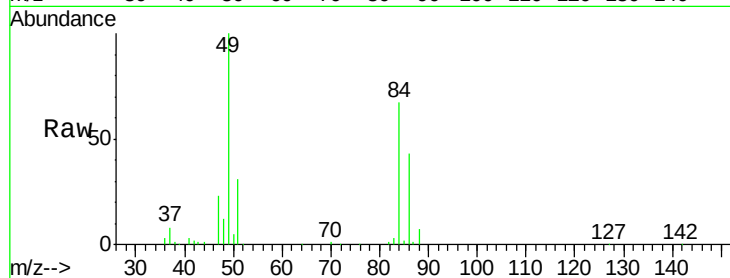
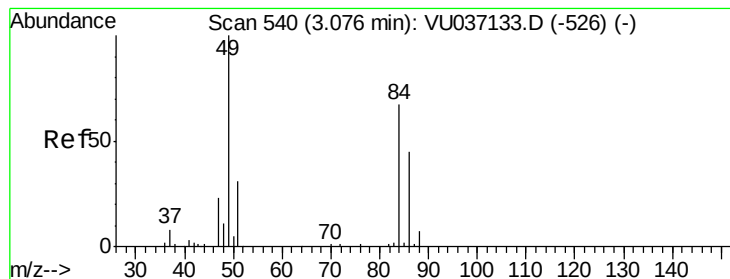
3/10/2020 3:07:09 PM



#14
Carbon Disulfide
Concen: 16.250 ug/l
RT: 2.82 min Scan# 459
Delta R.T. -0.00 min
Lab File: VU037134.D
Acq: 09 Mar 2020 14:48

Tgt Ion	76	78	Ratio	Lower	Upper
76	100				
78	9.0		7.4	11.0	





#15

Methylene Chloride

Concen: 13.924 ug/l

RT: 3.08 min Scan# 540

Delta R.T. -0.00 min

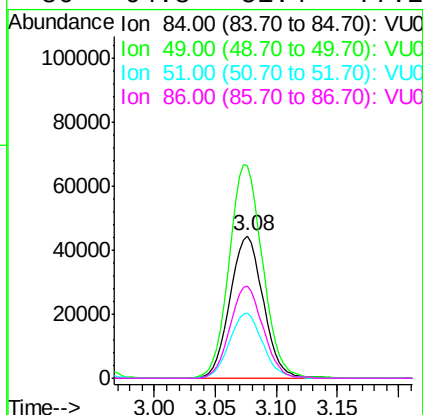
Lab File: VU037134.D

Acq: 09 Mar 2020 14:48

Tot Ion:	84	Resp:	84224
Ion	Ratio	Lower	Upper
84	100		
49	149.7	89.7	134.5#
51	46.0	0.0	71.6
86	64.8	51.4	77.2

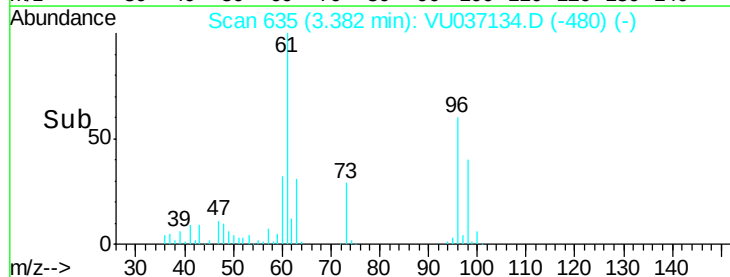
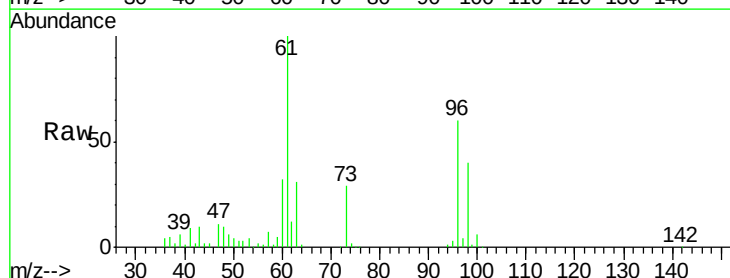
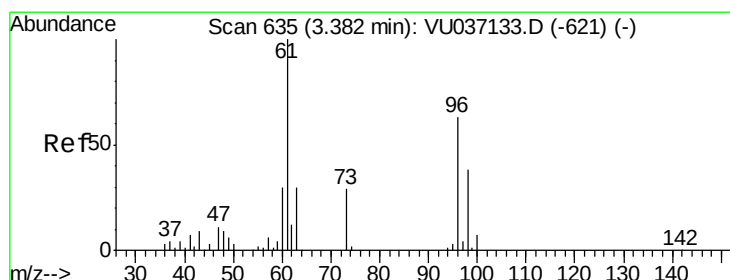
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Manual Integrations
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sam

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#16

trans-1,2-Dichloroethene

Concen: 16.003 ug/l

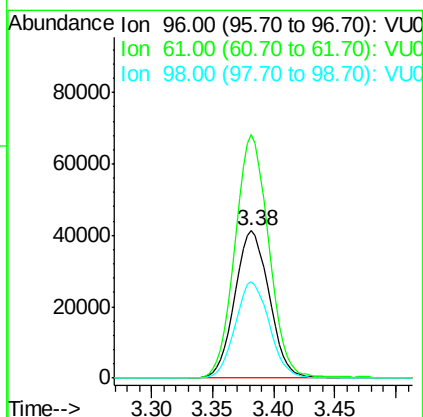
RT: 3.38 min Scan# 635

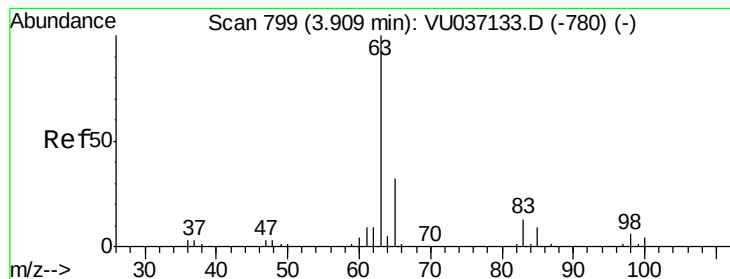
Delta R.T. -0.00 min

Lab File: VU037134.D

Acq: 09 Mar 2020 14:48

Tgt Ion:	96	Resp:	81069
Ion	Ratio	Lower	Upper
96	100		
61	165.3	110.8	166.2
98	65.5	50.3	75.5





#17

1,1-Dichloroethane

Concen: 22.129 ug/l

RT: 3.91 min Scan# 799

Delta R.T. -0.00 min

Lab File: VU037134.D

Acq: 09 Mar 2020 14:48

Instrument :

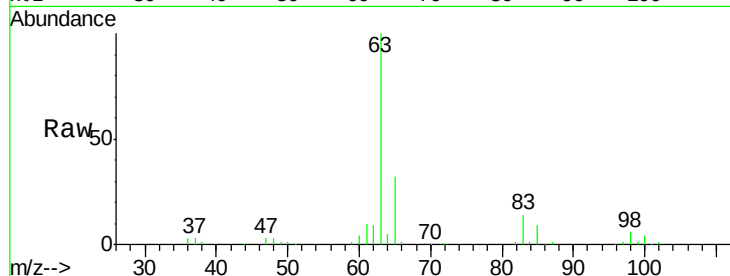
MSVOA_U

ClientSampleId :

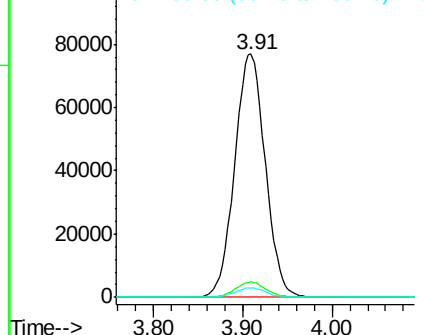
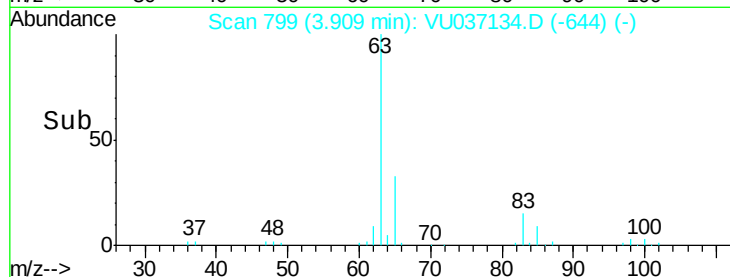
VSTDIC020

Tot Ion:	63	Resp:	182687
Ion Ratio	Lower	Upper	
63	100		
98	6.3	3.5	10.5
100	3.8	2.4	7.1

Manual Integrations
APPROVED

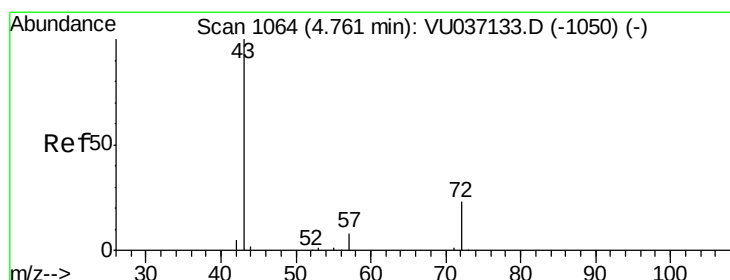


Abundance Ion 63.00 (62.70 to 63.70): VU037134.D (-644) (-)



sam

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#18

2-Butanone

Concen: 131.077 ug/l

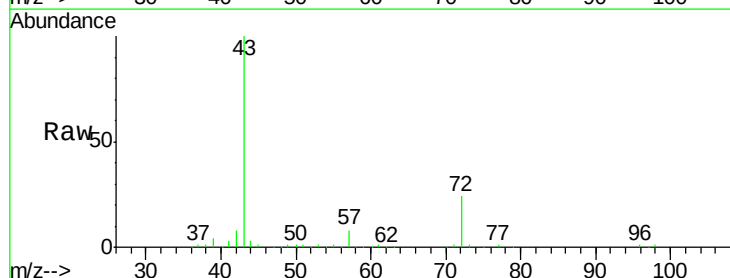
RT: 4.76 min Scan# 1064

Delta R.T. -0.00 min

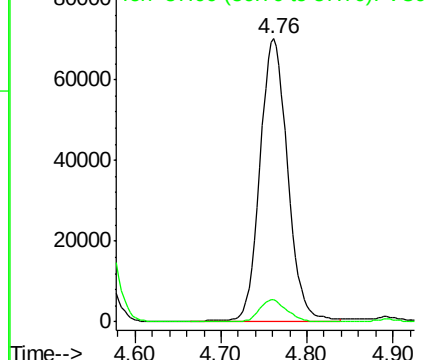
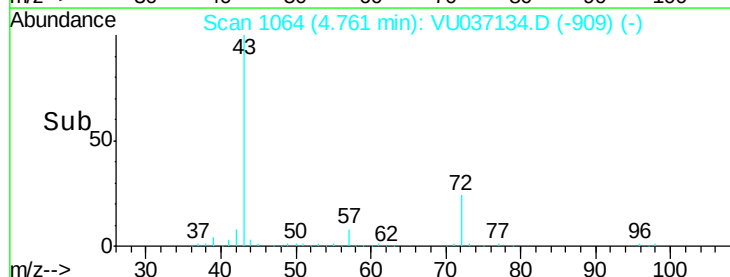
Lab File: VU037134.D

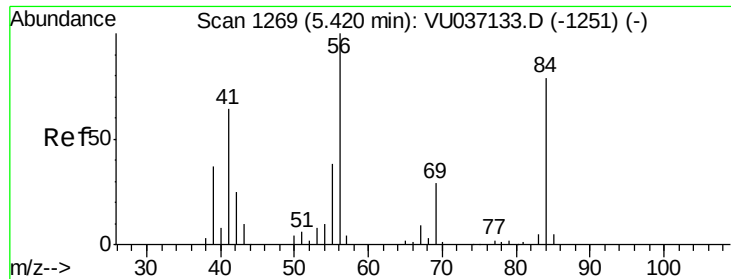
Acq: 09 Mar 2020 14:48

Tgt Ion:	43	Resp:	158515
Ion Ratio	Lower	Upper	
43	100		
57	7.9	0.0	17.8



Abundance Ion 43.00 (42.70 to 43.70): VU037134.D (-909) (-)



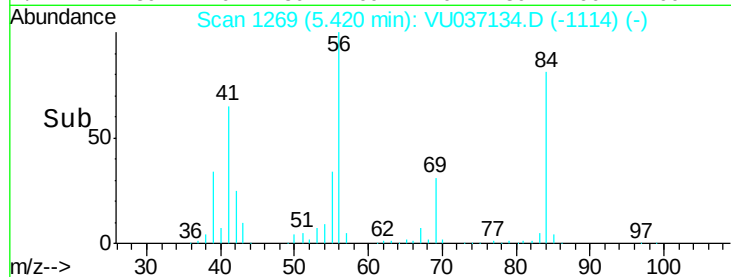
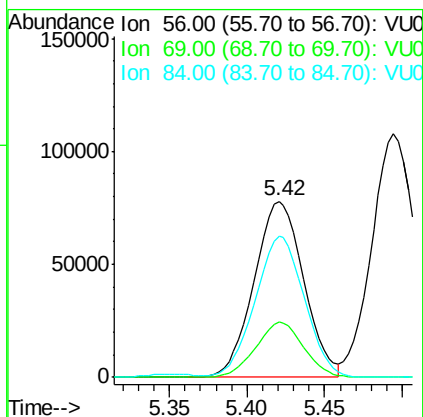
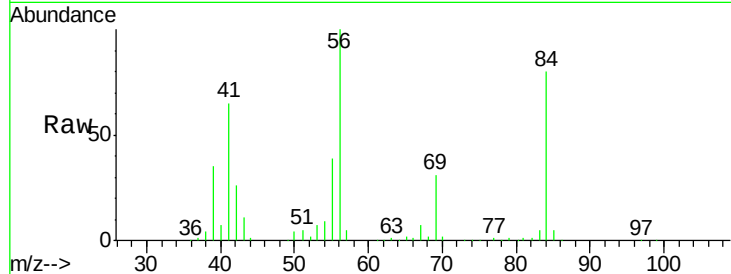


#19
Cyclohexane
Concen: 22.962 ug/l m
RT: 5.42 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VU037134.D
Acq: 09 Mar 2020 14:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

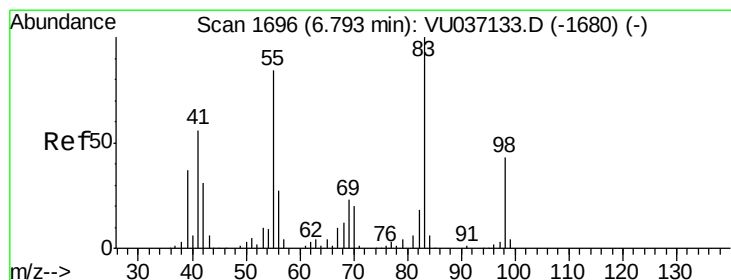
Tot Ion:	56	Resp:	173266
Ion	Ratio	Lower	Upper
56	100		
69	30.1	26.2	39.2
84	78.2	72.8	109.2

Manual Integrations
APPROVED



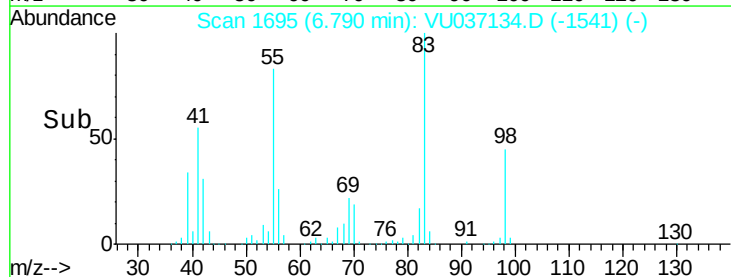
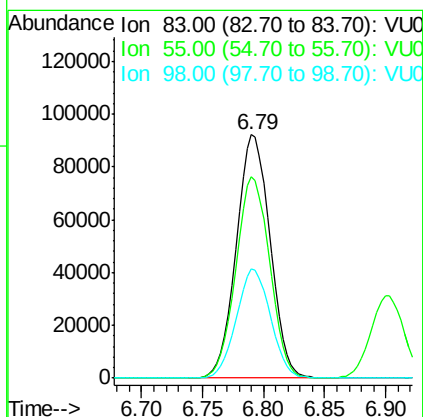
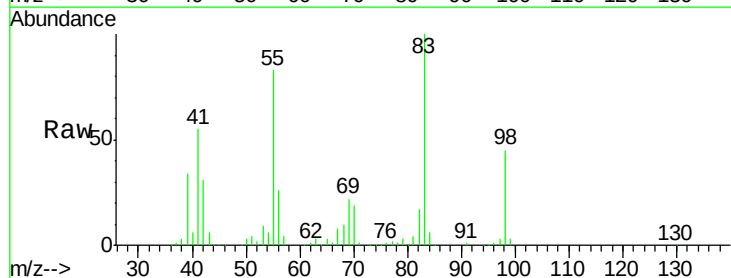
sam

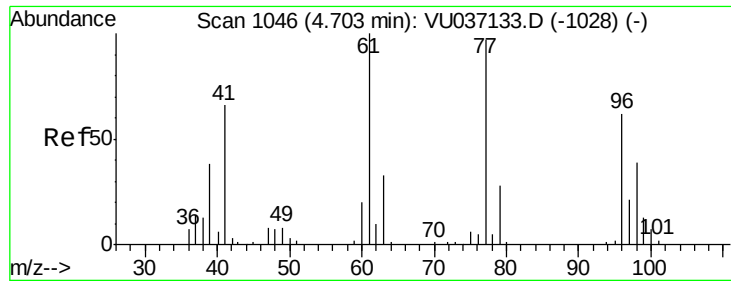
3/10/2020 3:07:09 PM



#20
Methylcyclohexane
Concen: 20.937 ug/l
RT: 6.79 min Scan# 1695
Delta R.T. -0.00 min
Lab File: VU037134.D
Acq: 09 Mar 2020 14:48

Tgt Ion:	83	Resp:	176390
Ion	Ratio	Lower	Upper
83	100		
55	82.9	56.6	85.0
98	45.3	37.5	56.3



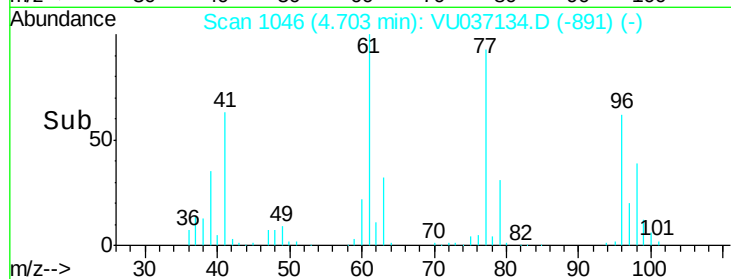
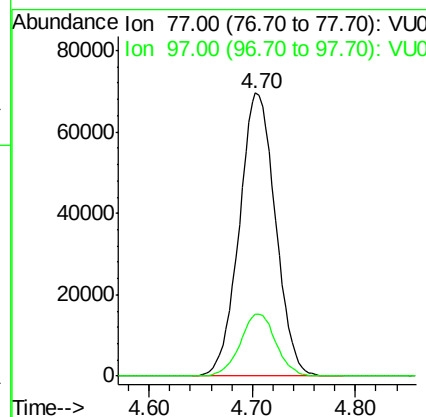
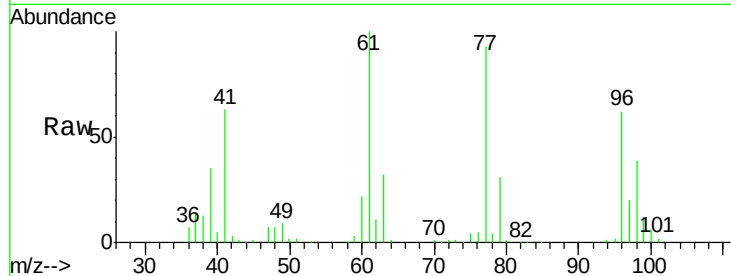


#21
 2,2-Dichloropropane
 Concen: 24.049 ug/l
 RT: 4.70 min Scan# 1046
 Delta R.T. -0.00 min
 Lab File: VU037134.D
 Acq: 09 Mar 2020 14:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

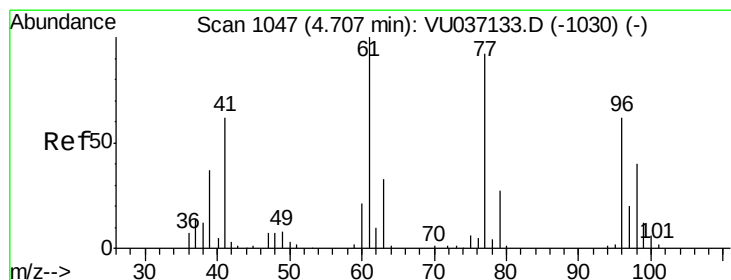
Tot Ion: 77 Resp: 169488
 Ion Ratio Lower Upper
 77 100
 97 21.6 19.0 28.4

Manual Integrations
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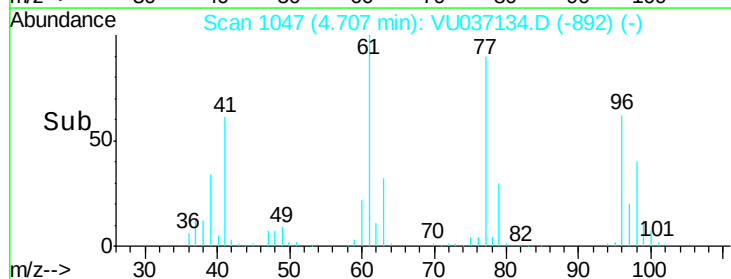
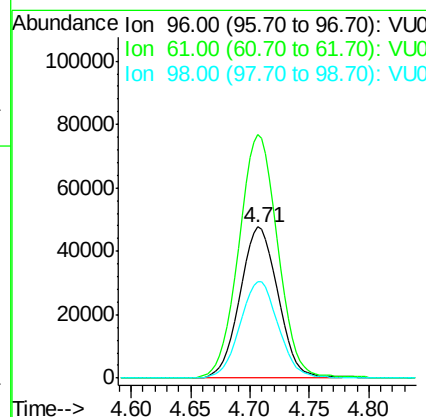
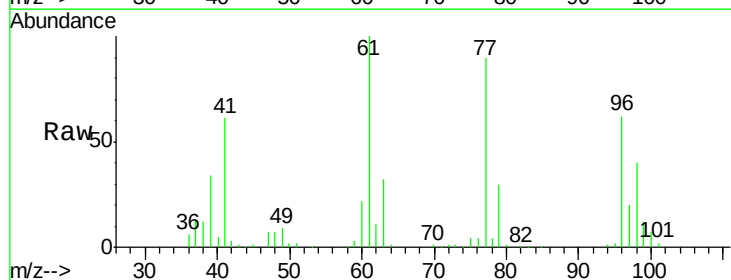
sam

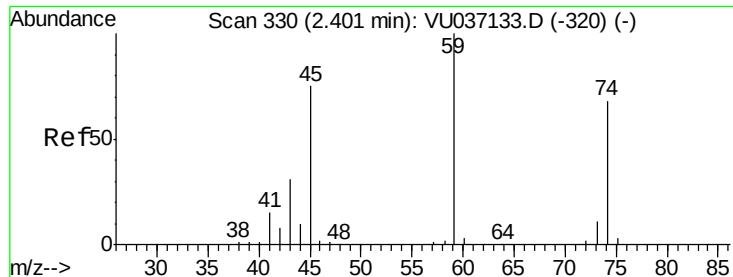
3/10/2020 3:07:09 PM



#22
 cis-1,2-Dichloroethene
 Concen: 20.139 ug/l
 RT: 4.71 min Scan# 1047
 Delta R.T. -0.00 min
 Lab File: VU037134.D
 Acq: 09 Mar 2020 14:48

Tgt Ion: 96 Resp: 105852
 Ion Ratio Lower Upper
 96 100
 61 165.1 0.0 342.0
 98 64.5 32.0 96.0



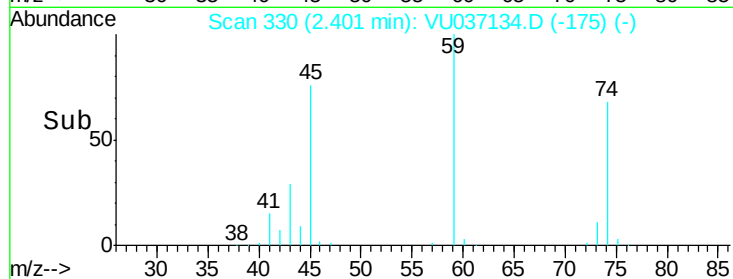
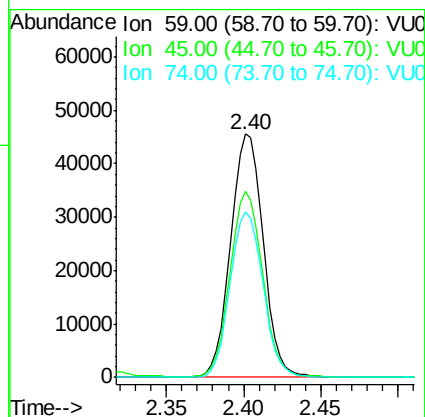
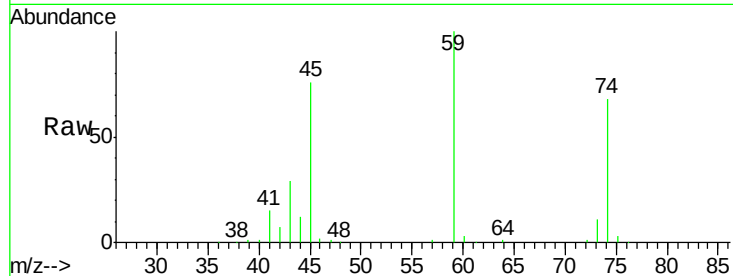


#23
Diethyl Ether
Concen: 18.736 ug/l
RT: 2.40 min Scan# 330
Delta R.T. -0.00 min
Lab File: VU037134.D
Acq: 09 Mar 2020 14:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

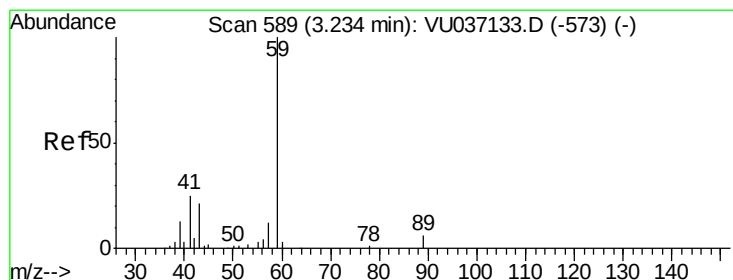
Tot Ion	Ratio	Lower	Upper
59	100		
45	75.8	52.4	78.6
74	68.5	62.1	93.1

Manual Integrations
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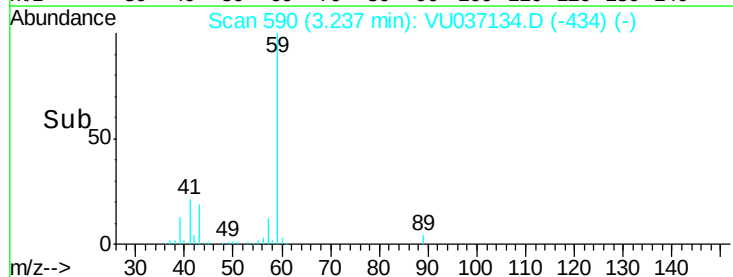
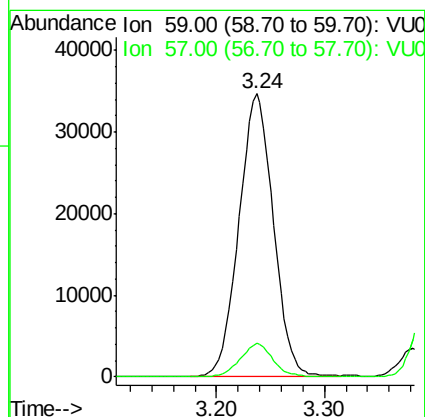
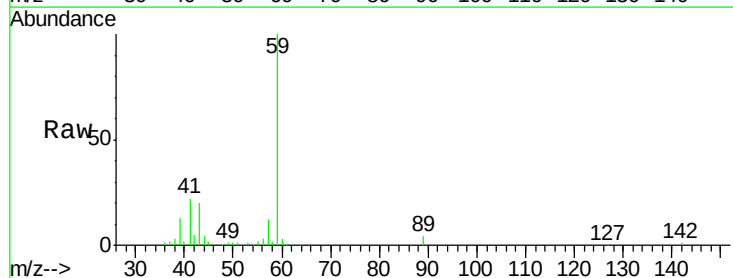
sam

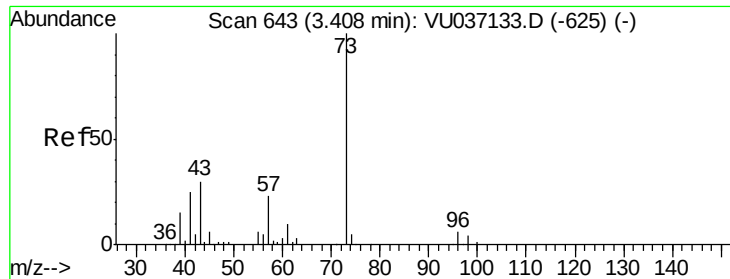
3/10/2020 3:07:09 PM



#24
tert-Butyl Alcohol
Concen: 243.284 ug/l
RT: 3.24 min Scan# 590
Delta R.T. 0.00 min
Lab File: VU037134.D
Acq: 09 Mar 2020 14:48

Tgt Ion	Ratio	Lower	Upper
59	100		
57	11.2	8.4	12.6



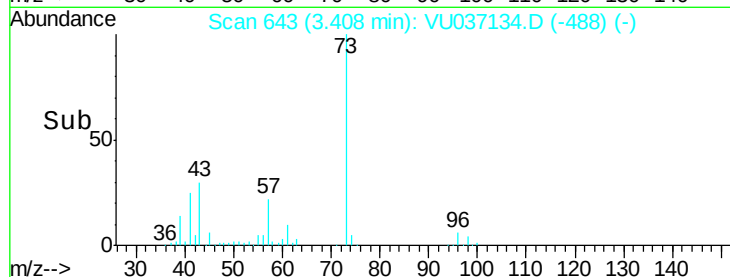
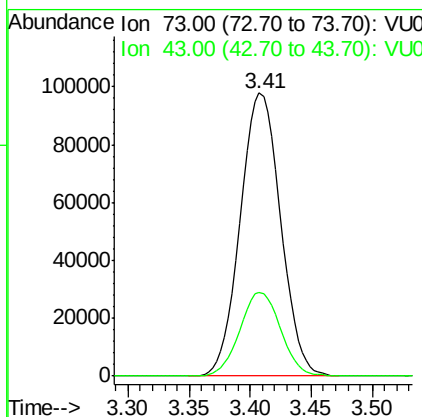
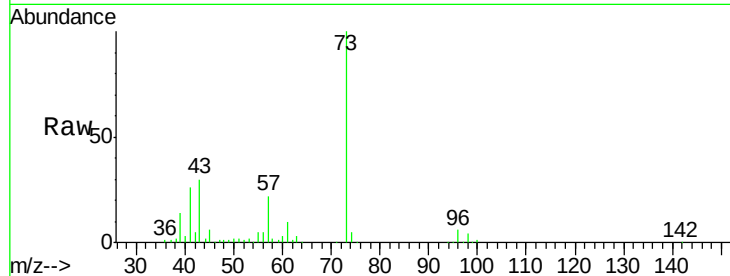


#25
Methyl tert-Butyl Ether
Concen: 18.633 ug/l
RT: 3.41 min Scan# 643
Delta R.T. -0.00 min
Lab File: VU037134.D
Acq: 09 Mar 2020 14:48

Instrument :
MSVOA_U
ClientSampled :
VSTDIC020

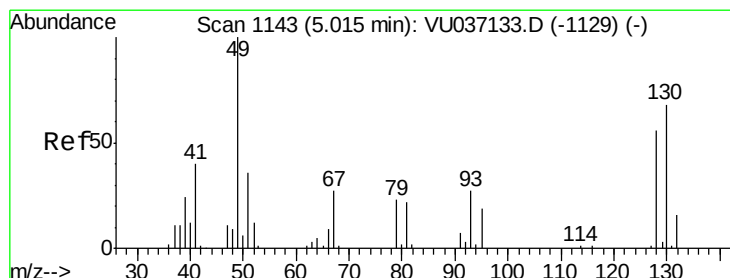
Tot Ion: 73 Resp: 224229
Ion Ratio Lower Upper
73 100
43 30.0 14.5 21.7#

Manual Integrations
APPROVED



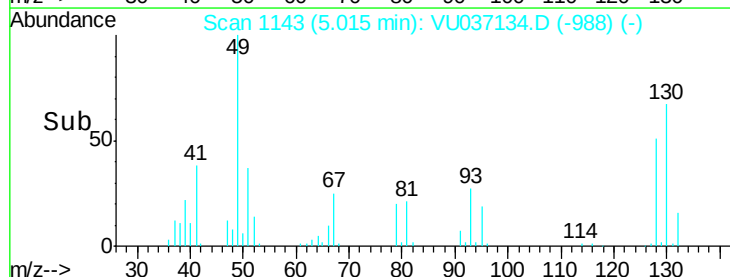
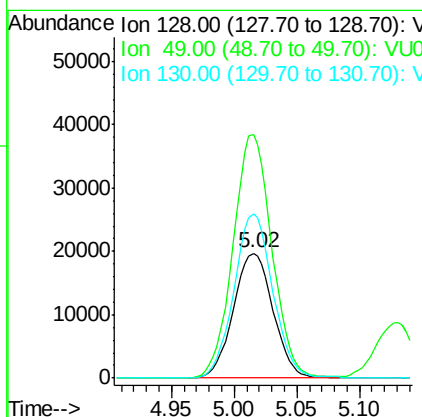
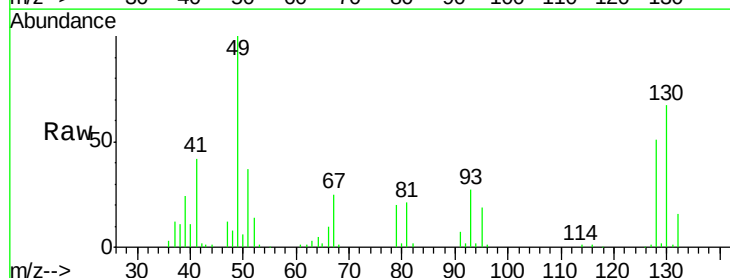
sam

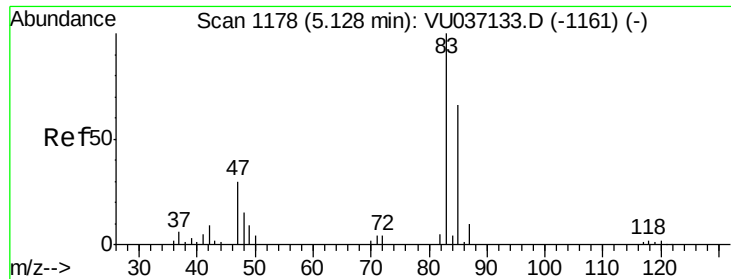
3/10/2020 3:07:09 PM



#26
Bromochloromethane
Concen: 19.030 ug/l
RT: 5.02 min Scan# 1143
Delta R.T. -0.00 min
Lab File: VU037134.D
Acq: 09 Mar 2020 14:48

Tgt Ion: 128 Resp: 43322
Ion Ratio Lower Upper
128 100
49 190.5 0.0 286.2
130 128.2 104.3 156.5



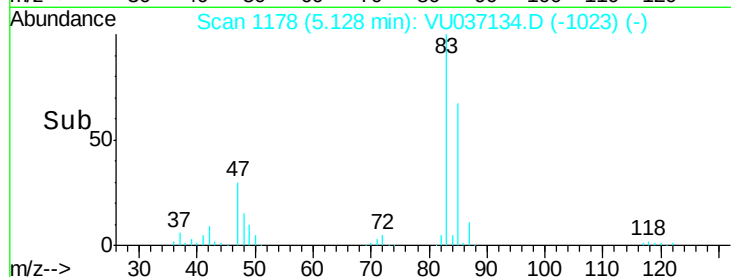
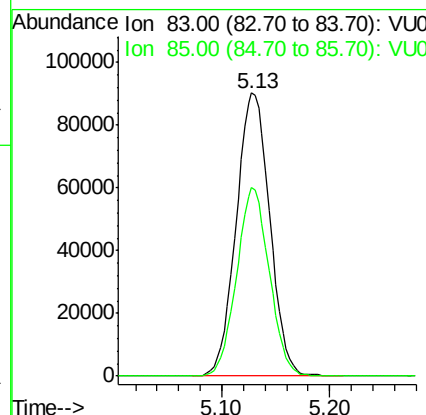
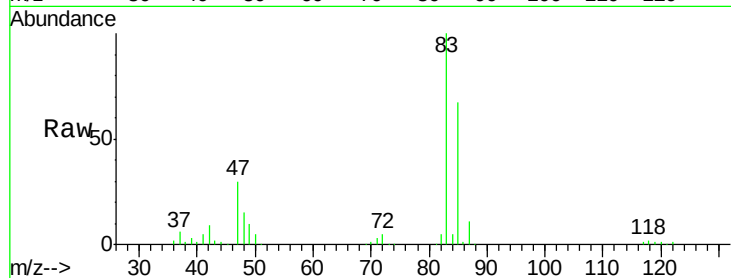


#27
Chloroform
Concen: 23.987 ug/l
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU037134.D
Acq: 09 Mar 2020 14:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

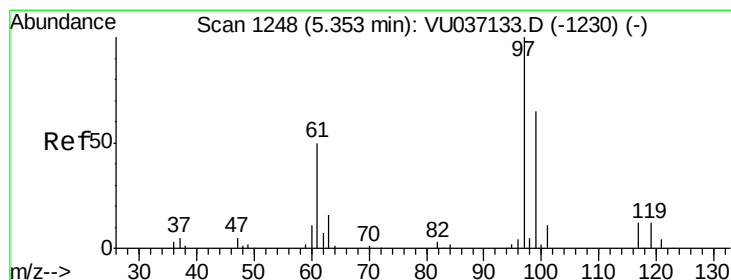
Tot Ion	83	Resp	195874
Ion Ratio	100	Lower	Upper
85	66.6	0.0	129.0

Manual Integrations
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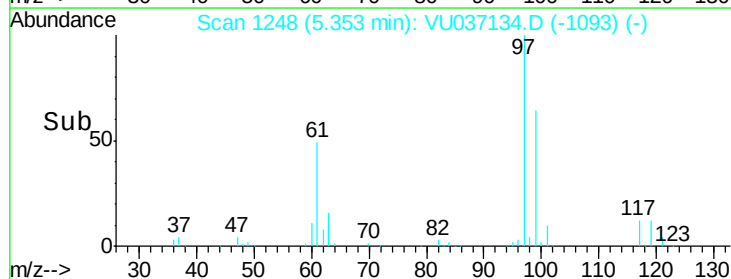
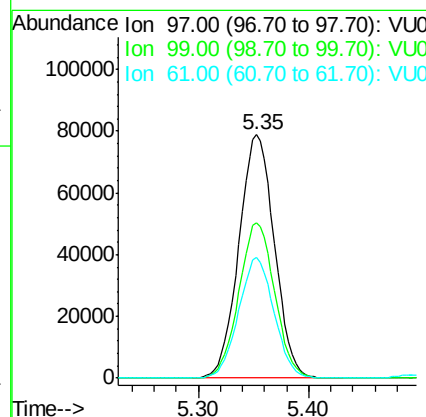
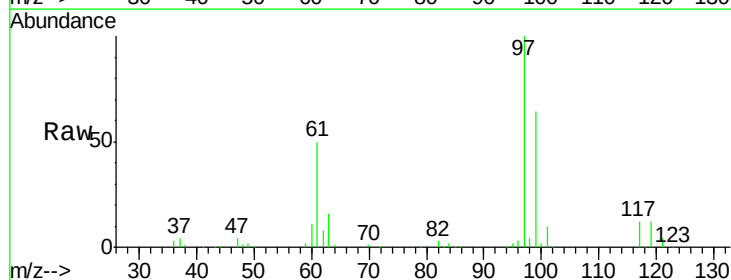
sam

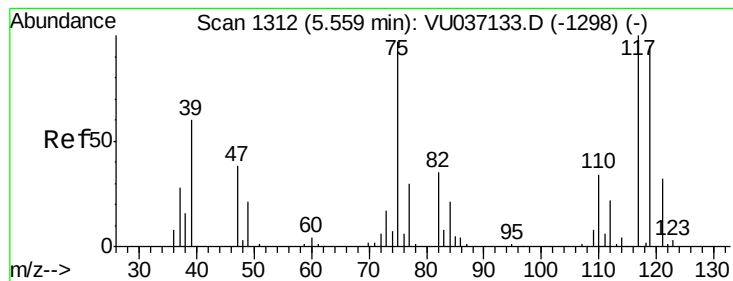
3/10/2020 3:07:09 PM



#28
1,1,1-Trichloroethane
Concen: 25.644 ug/l
RT: 5.35 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VU037134.D
Acq: 09 Mar 2020 14:48

Tgt Ion	97	Resp	175593
Ion Ratio	100	Lower	Upper
99	64.6	32.1	96.3
61	49.5	22.7	68.0





#29

1,1-Dichloropropene

Concen: 22.070 ug/l

RT: 5.56 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU037134.D

Acq: 09 Mar 2020 14:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 75 Resp: 147485

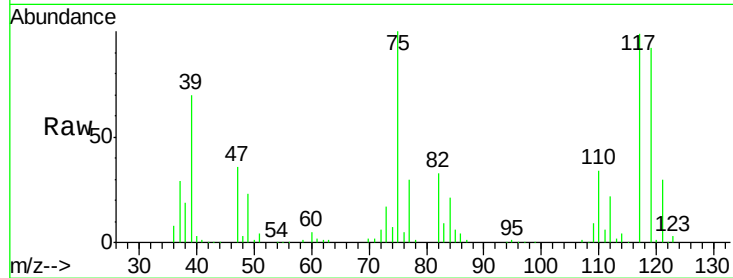
Ion Ratio Lower Upper

75 100

110 33.9 18.6 55.8

77 30.0 25.0 37.4

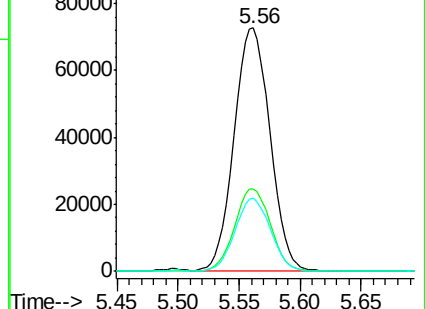
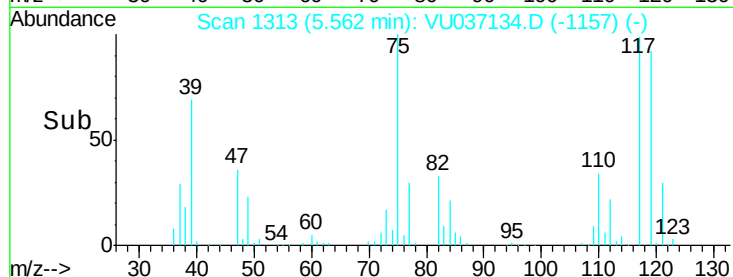
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Abundance Ion 75.00 (74.70 to 75.70): VU037133.D (-1298) (-)

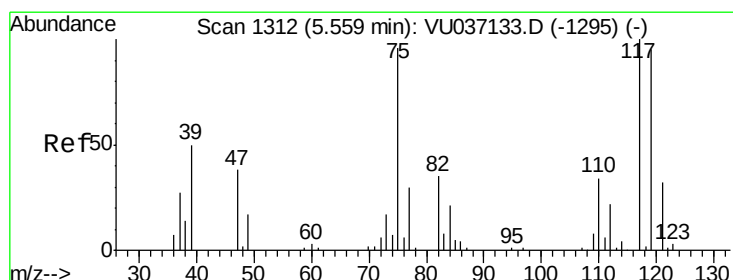
Ion 110.00 (109.70 to 110.70): VU037133.D (-1298) (-)

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



sam

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#30

Carbon Tetrachloride

Concen: 26.823 ug/l

RT: 5.56 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU037134.D

Acq: 09 Mar 2020 14:48

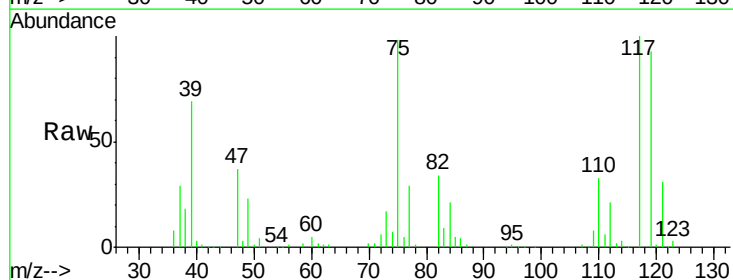
Tgt Ion: 117 Resp: 157264

Ion Ratio Lower Upper

117 100

119 93.2 77.0 115.6

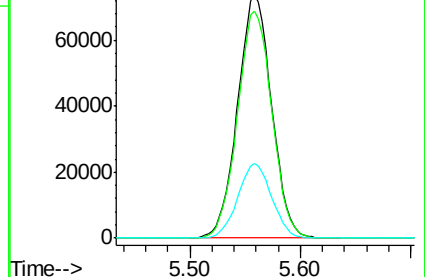
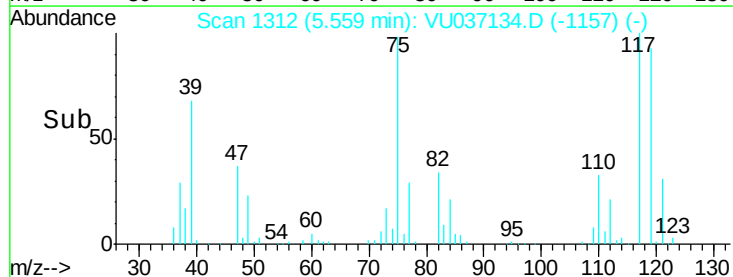
121 30.6 23.3 34.9

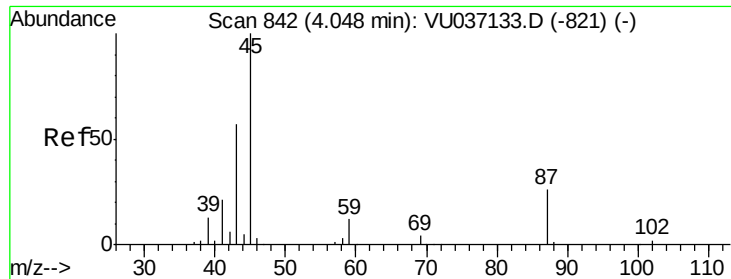


Abundance Ion 117.00 (116.70 to 117.70): VU037133.D (-1295) (-)

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

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





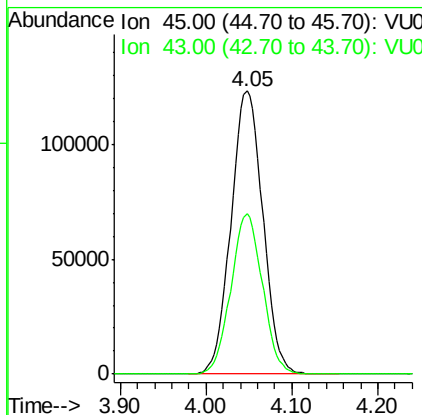
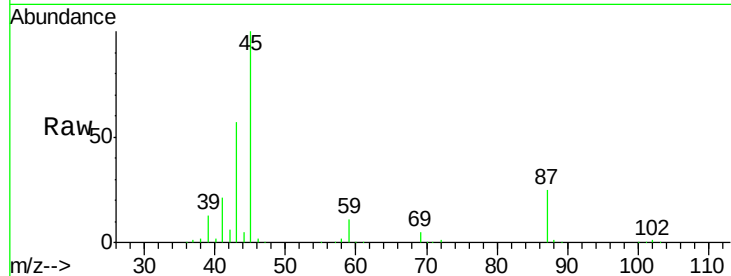
#31

Isopropyl Ether
 Concen: 25.273 ug/l
 RT: 4.05 min Scan# 842
 Delta R.T. -0.00 min
 Lab File: VU037134.D
 Acq: 09 Mar 2020 14:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

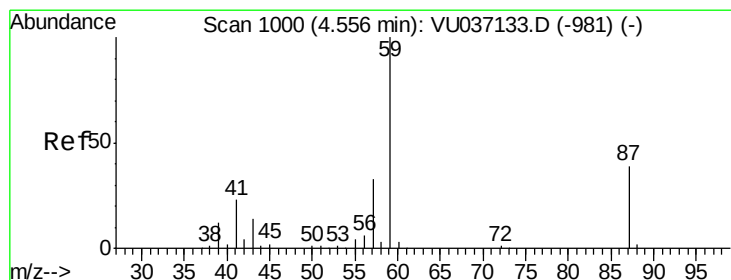
Tot Ion	Ratio	Lower	Upper
45	100		
43	56.1	24.0	72.0

Manual Integrations
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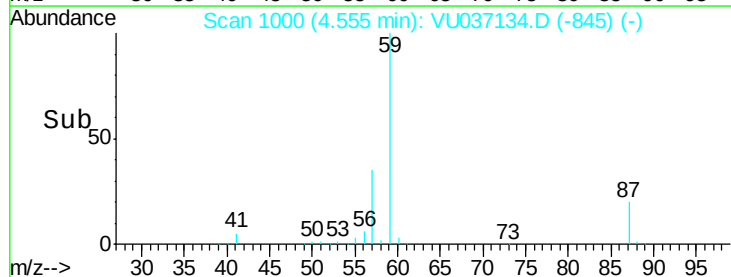
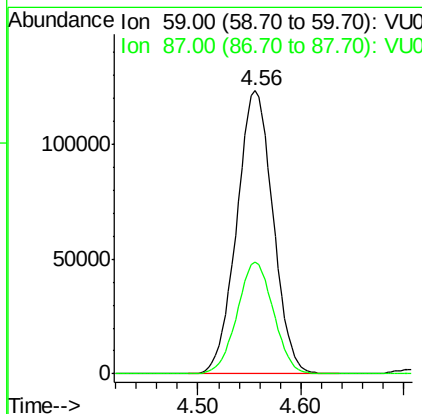
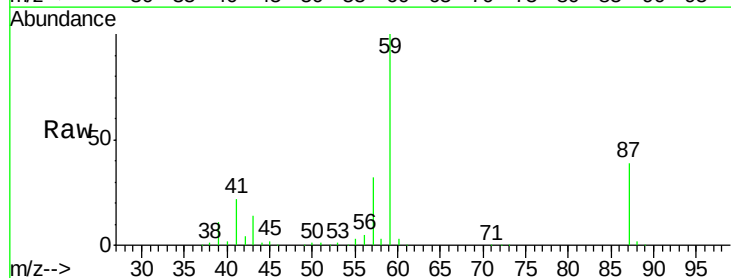
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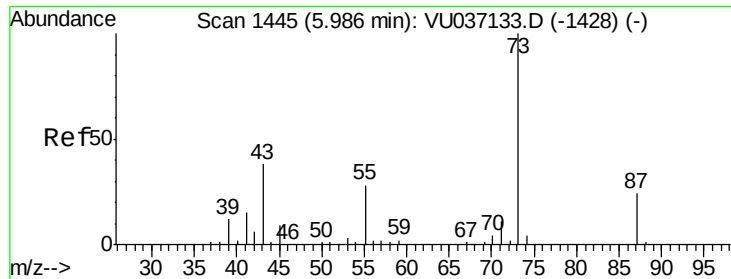


#32

Ethyl-t-butyl ether
 Concen: 22.983 ug/l
 RT: 4.56 min Scan# 1000
 Delta R.T. -0.00 min
 Lab File: VU037134.D
 Acq: 09 Mar 2020 14:48

Tgt Ion	Ratio	Lower	Upper
59	100		
87	39.6	35.1	52.7



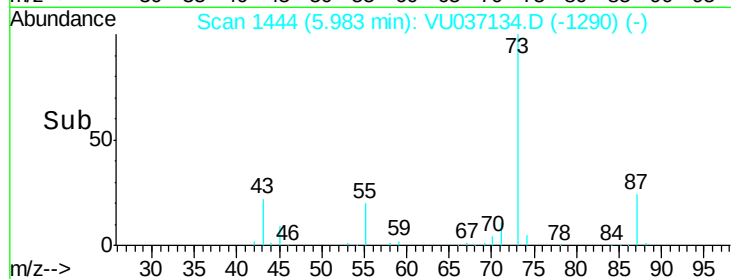
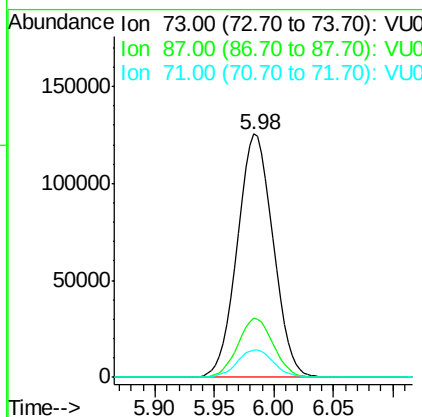
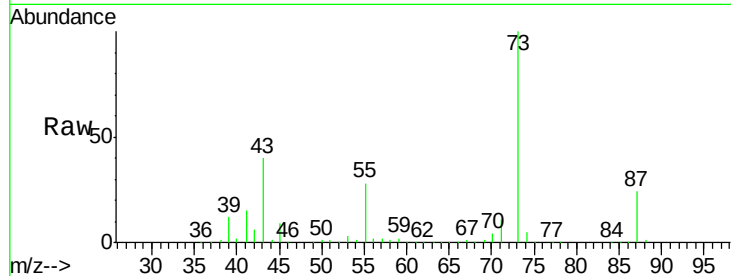


#33
Tert-Butyl methyl ether
Concen: 21.761 ug/l
RT: 5.98 min Scan# 1444
Delta R.T. -0.00 min
Lab File: VU037134.D
Acq: 09 Mar 2020 14:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

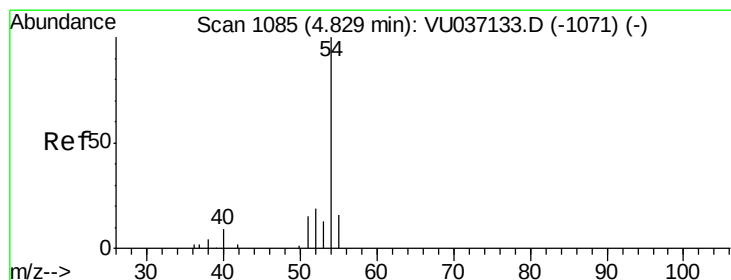
Tot Ion:	73	Resp:	261252
Ion	Ratio	Lower	Upper
73	100		
87	24.1	19.8	29.6
71	11.5	9.1	13.7

Manual Integrations
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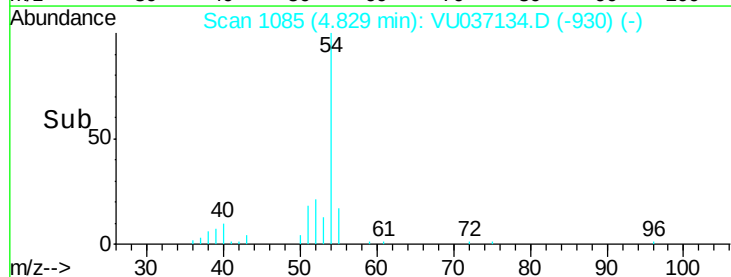
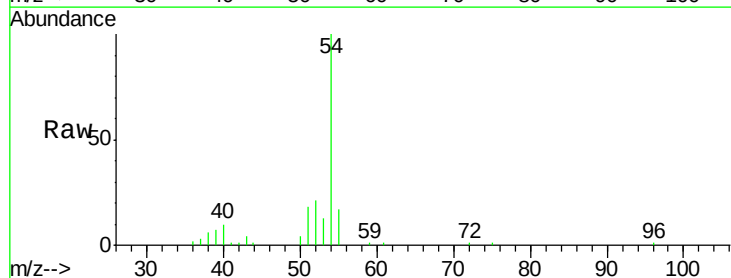
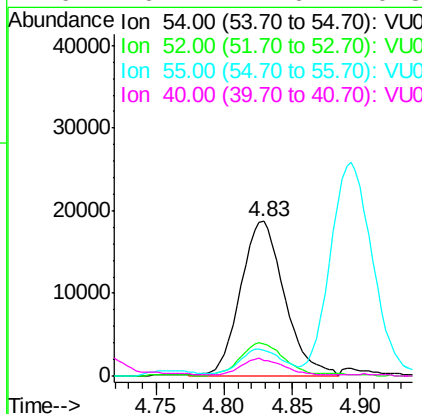
sam

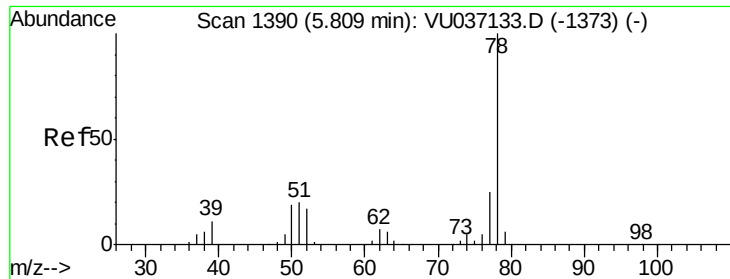
3/10/2020 3:07:09 PM



#34
Propionitrile
Concen: 120.680 ug/l
RT: 4.83 min Scan# 1085
Delta R.T. -0.00 min
Lab File: VU037134.D
Acq: 09 Mar 2020 14:48

Tgt Ion:	54	Resp:	42068
Ion	Ratio	Lower	Upper
54	100		
52	21.3	15.2	22.8
55	16.4	9.5	14.3#
40	10.2	4.6	6.8#





#35

Benzene

Concen: 20.901 ug/l

RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VU037134.D

Acq: 09 Mar 2020 14:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 78 Resp: 404458

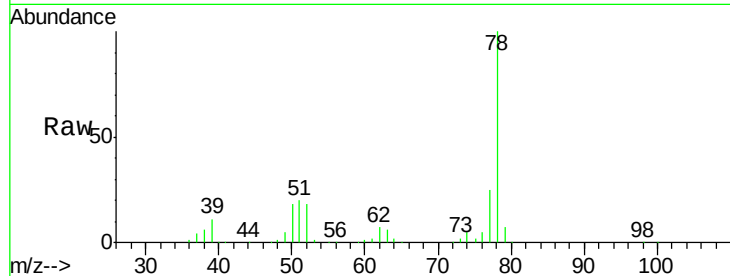
Ion Ratio Lower Upper

78 100

77 25.1 19.4 29.0

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

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

5.81

200000

150000

100000

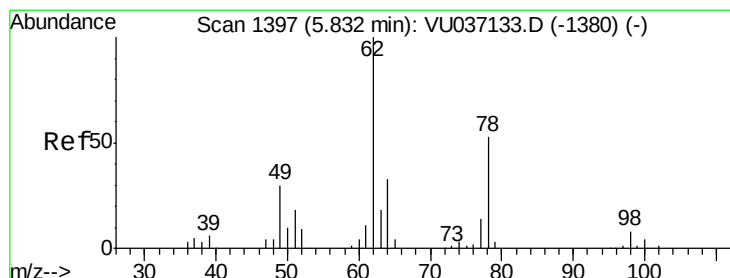
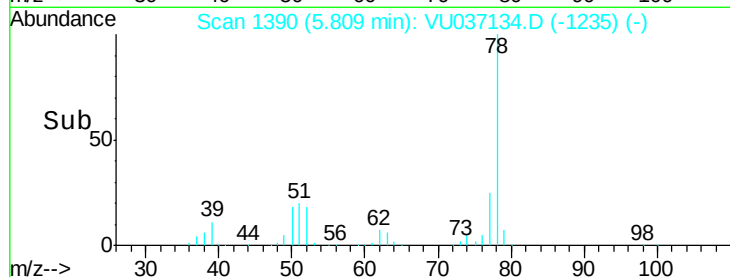
50000

0

Time-->

sam

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#36

1,2-Dichloroethane

Concen: 27.255 ug/l

RT: 5.83 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VU037134.D

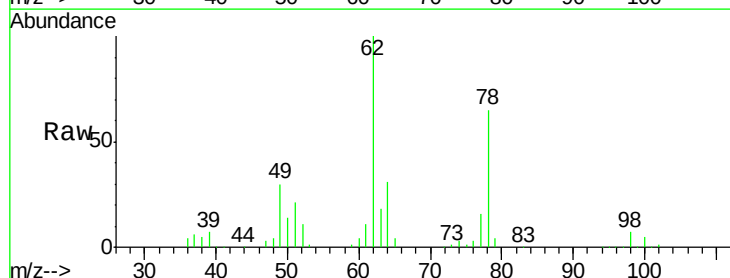
Acq: 09 Mar 2020 14:48

Tgt Ion: 62 Resp: 141975

Ion Ratio Lower Upper

62 100

98 7.3 7.8 11.8#



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

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

5.83

80000

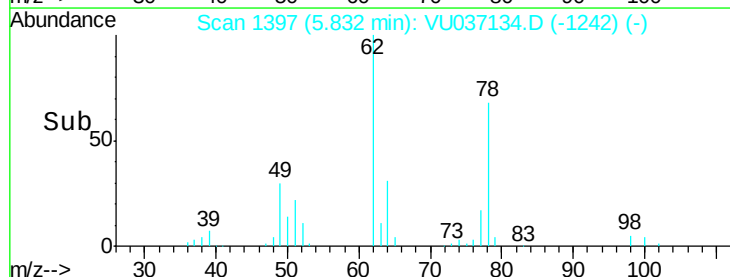
60000

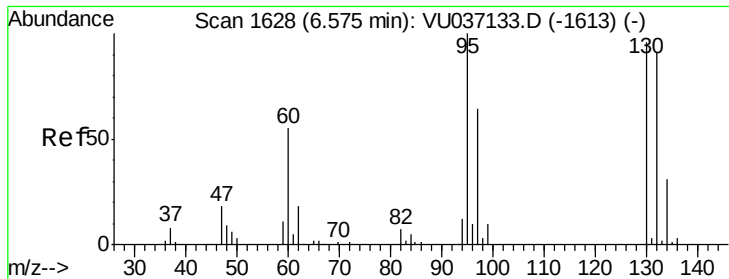
40000

20000

0

Time-->



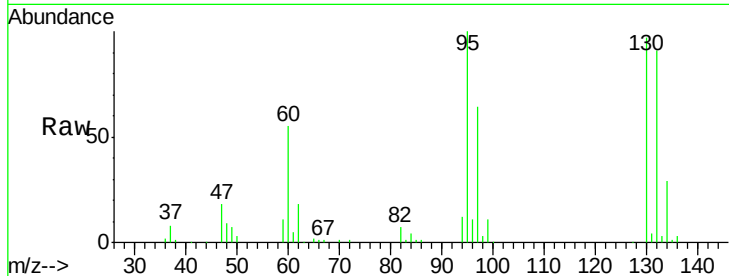


#37
 Trichloroethene
 Concen: 19.578 ug/l
 RT: 6.57 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VU037134.D
 Acq: 09 Mar 2020 14:48

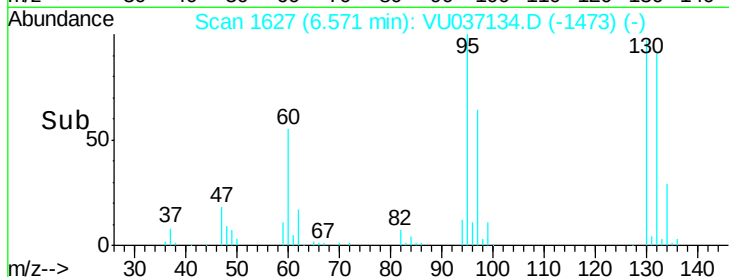
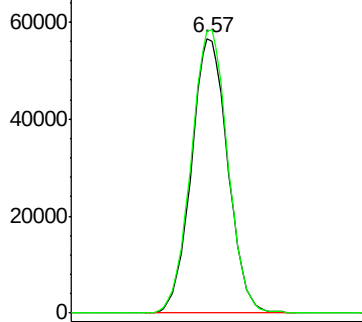
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion:130 Resp: 104595
 Ion Ratio Lower Upper
 130 100
 95 102.6 77.0 115.4

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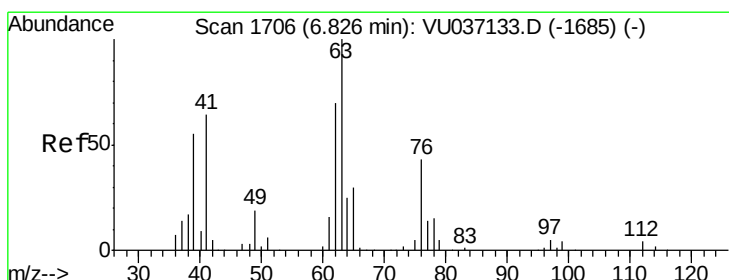
Abundance Ion 129.90 (129.60 to 130.60): VU037133.D (-1613) (-)
 Ion 94.90 (94.60 to 95.60): VU037133.D (-1613) (-)



Time-->

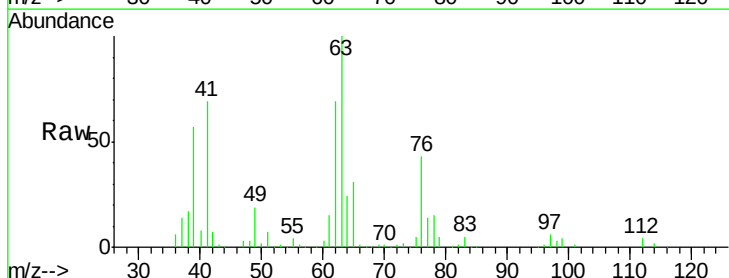
sam

3/10/2020 3:07:09 PM

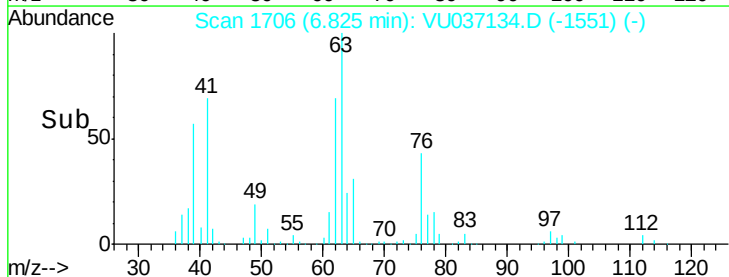
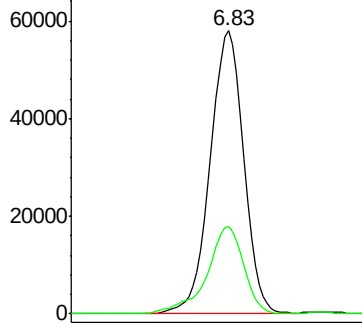


#38
 1,2-Dichloropropane
 Concen: 22.709 ug/l
 RT: 6.83 min Scan# 1706
 Delta R.T. -0.00 min
 Lab File: VU037134.D
 Acq: 09 Mar 2020 14:48

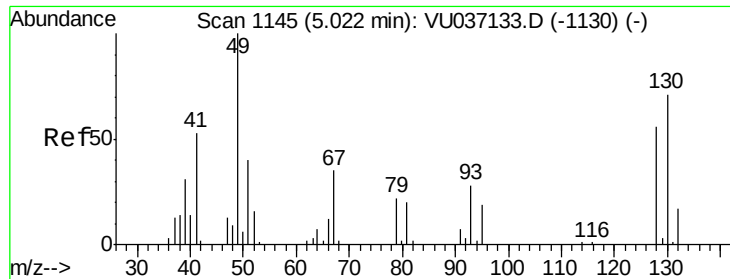
Tgt Ion: 63 Resp: 110486
 Ion Ratio Lower Upper
 63 100
 65 30.7 24.7 37.1



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



Time-->

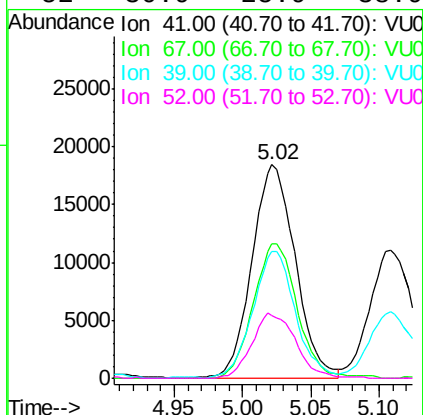
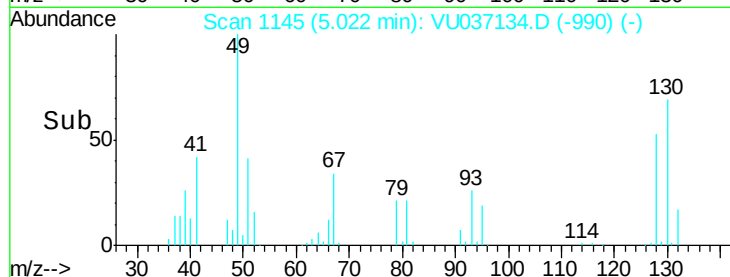
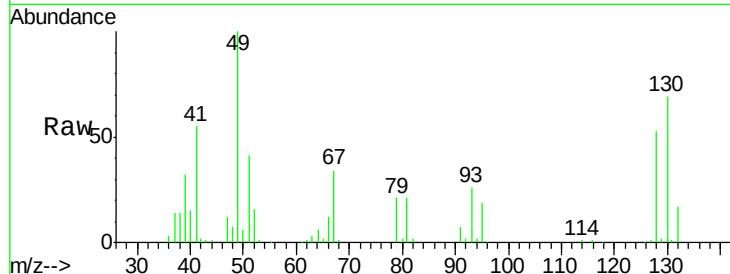


#39
Methacrylonitrile
Concen: 27.747 ug/l
RT: 5.02 min Scan# 1145
Delta R.T. -0.00 min
Lab File: VU037134.D
Acq: 09 Mar 2020 14:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

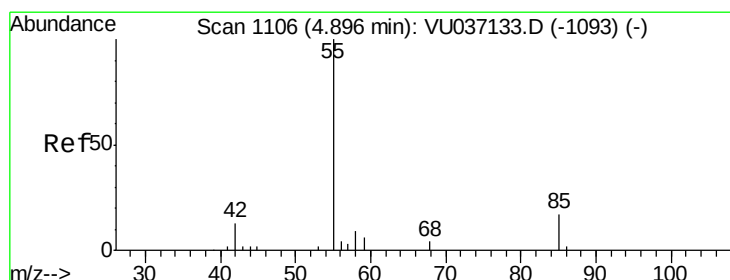
Tot Ion:	41	Resp:	40650
Ion	Ratio	Lower	Upper
41	100		
67	64.0	69.6	104.4#
39	58.3	41.6	62.4
52	30.9	25.9	38.9

Manual Integrations
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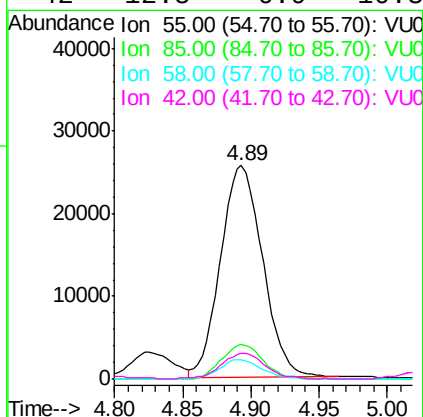
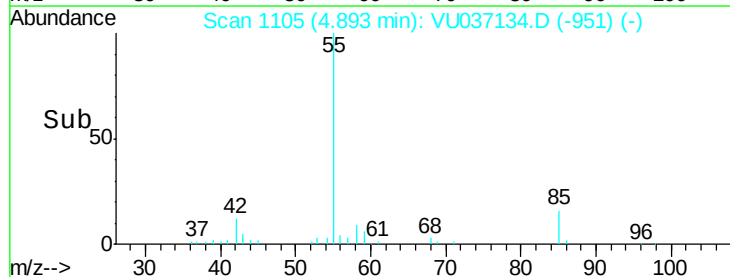
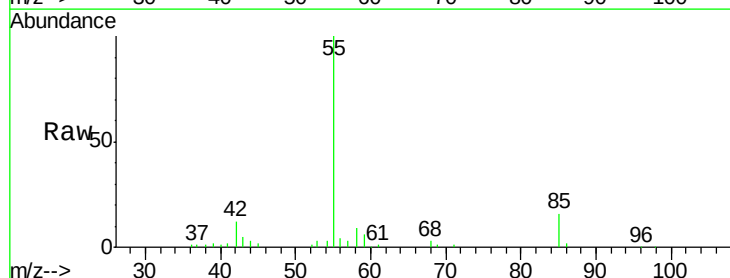
sam

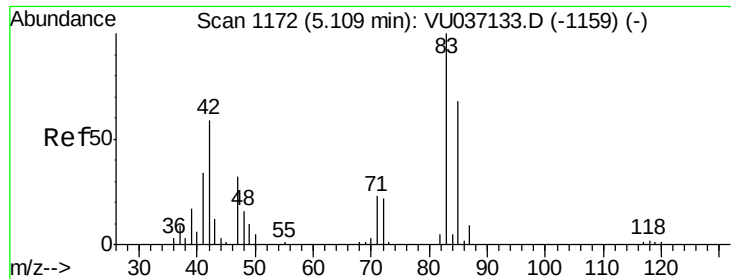
3/10/2020 3:07:09 PM



#40
Methyl acrylate
Concen: 23.730 ug/l
RT: 4.89 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VU037134.D
Acq: 09 Mar 2020 14:48

Tgt Ion:	55	Resp:	55103
Ion	Ratio	Lower	Upper
55	100		
85	16.0	14.7	22.1
58	9.2	7.1	10.7
42	12.5	6.9	10.3#



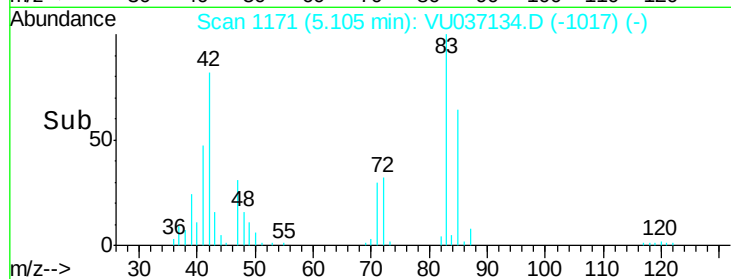
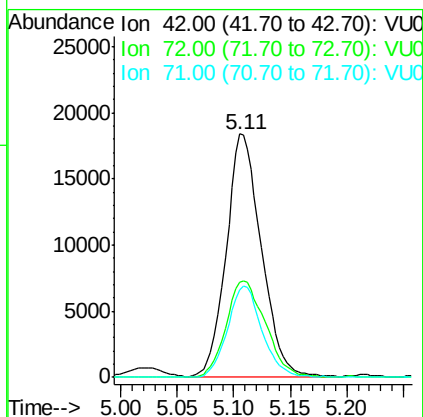
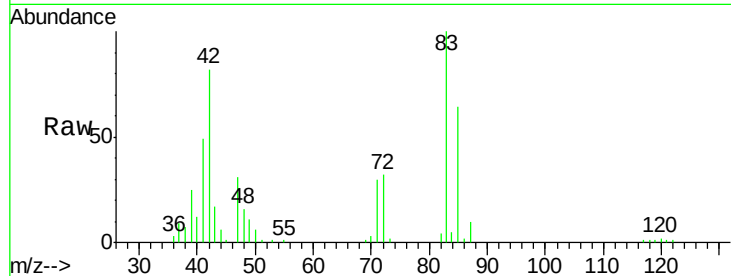


#41
Tetrahydrofuran
Concen: 50.003 ug/l
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU037134.D
Acq: 09 Mar 2020 14:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

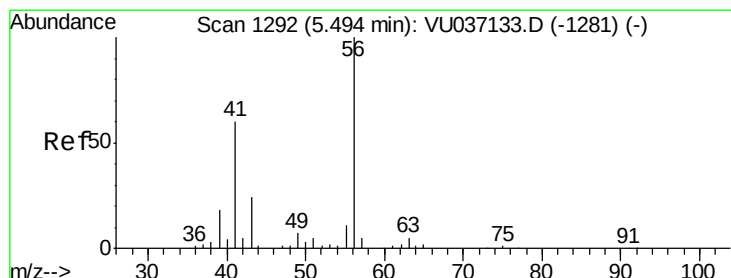
Tot Ion	Ratio	Lower	Upper
42	100		
72	44.0	42.5	63.7
71	36.6	37.3	55.9

Manual Integrations
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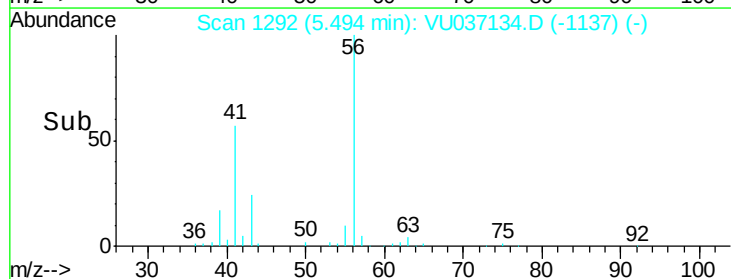
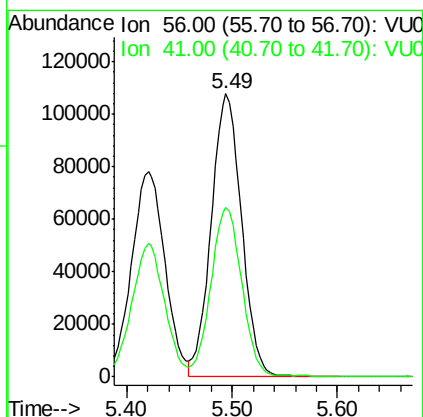
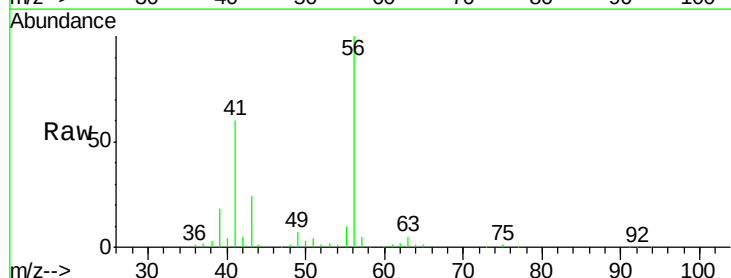
sam

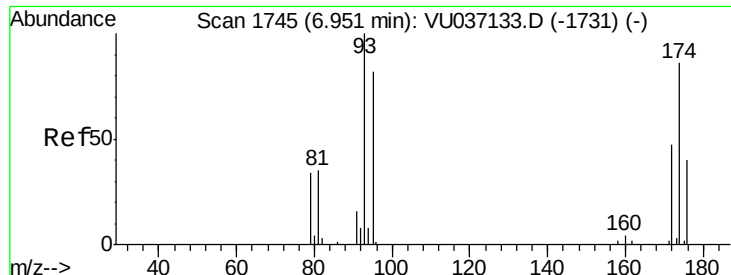
3/10/2020 3:07:09 PM



#42
1-Chlorobutane
Concen: 24.748 ug/l
RT: 5.49 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VU037134.D
Acq: 09 Mar 2020 14:48

Tgt Ion	Ratio	Lower	Upper
56	100		
41	60.3	24.8	74.3



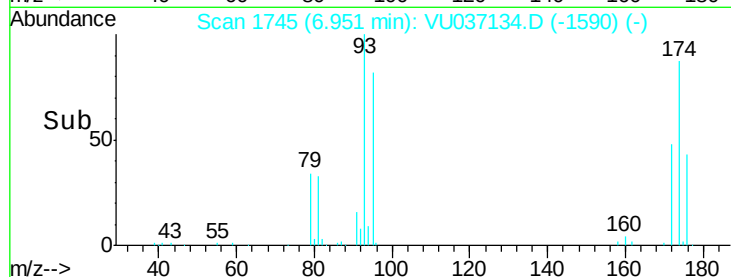
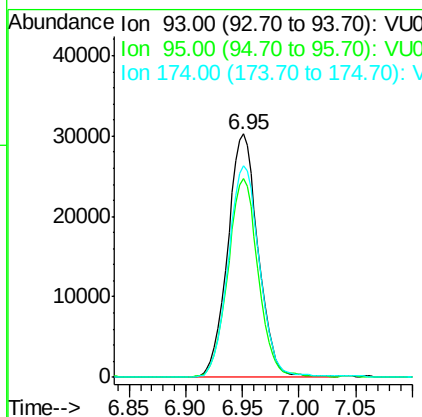
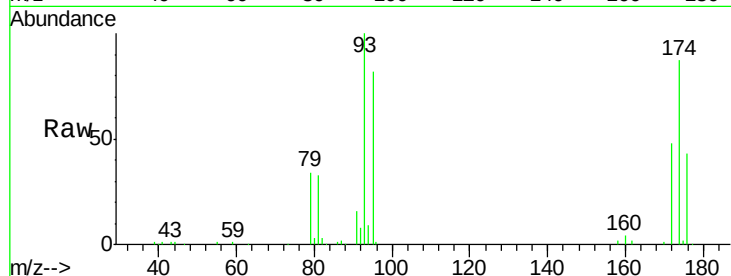


#43
 Dibromomethane
 Concen: 22.334 ug/l
 RT: 6.95 min Scan# 1745
 Delta R.T. -0.00 min
 Lab File: VU037134.D
 Acq: 09 Mar 2020 14:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

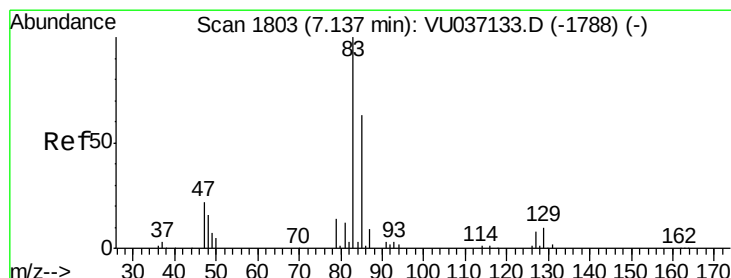
Tot Ion	Ratio	Lower	Upper
93	100		
95	81.5	67.9	101.9
174	89.2	83.4	125.0

Manual Integrations
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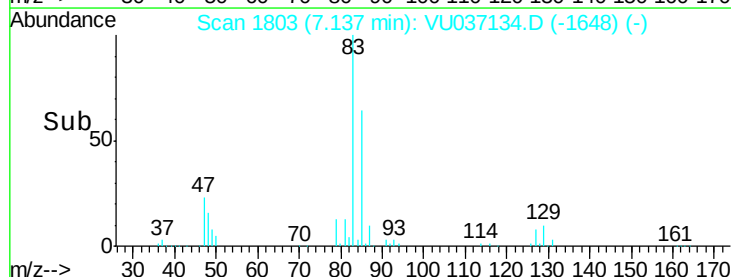
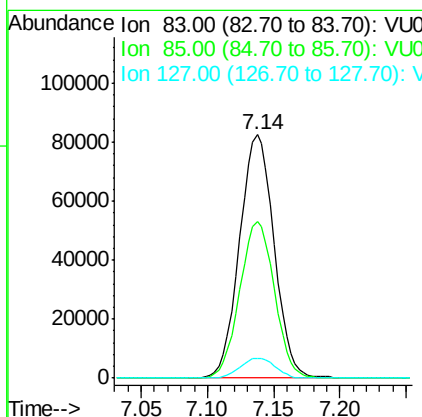
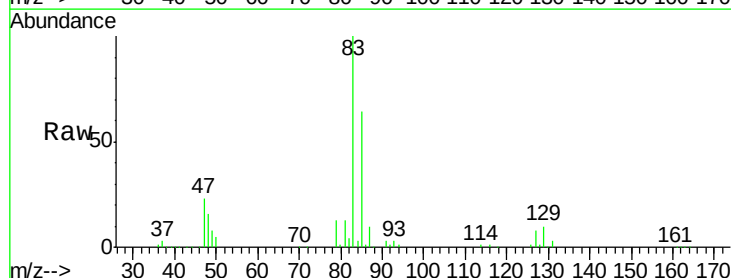
sam

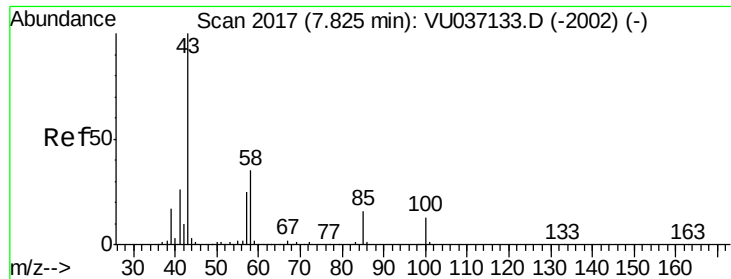
3/10/2020 3:07:09 PM



#44
 Bromodichloromethane
 Concen: 24.920 ug/l
 RT: 7.14 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VU037134.D
 Acq: 09 Mar 2020 14:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.8	77.6
127	8.2	6.8	10.2



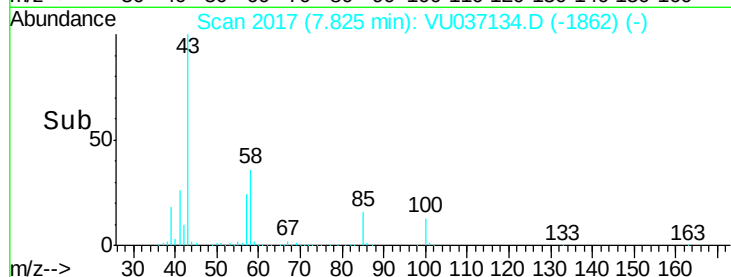
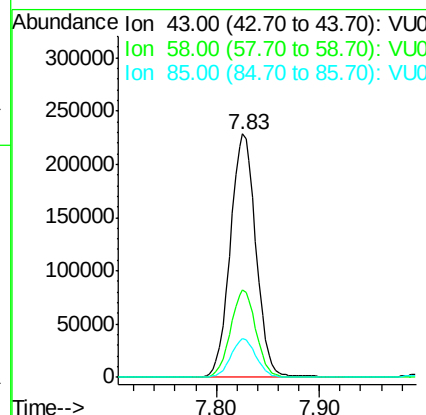
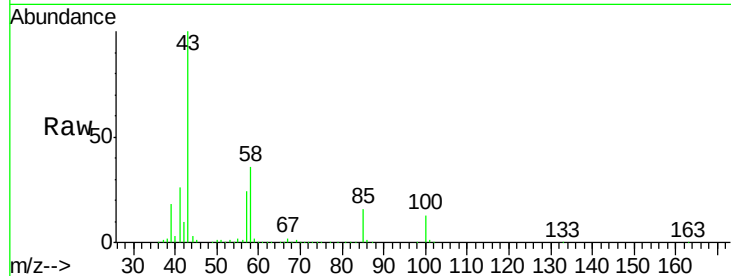


#45
4-Methyl-2-Pentanone
Concen: 139.049 ug/l
RT: 7.83 min Scan# 2017
Delta R.T. -0.00 min
Lab File: VU037134.D
Acq: 09 Mar 2020 14:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

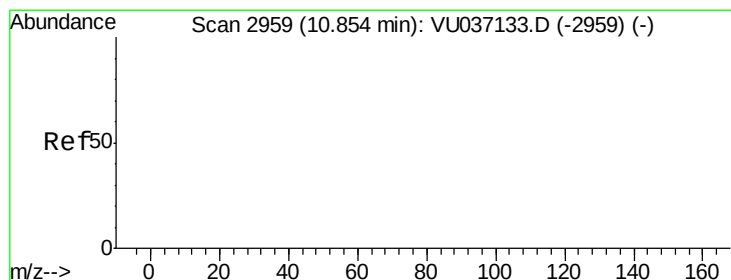
Tot Ion	Ratio	Lower	Upper
43	100		
58	35.4	22.1	66.1
85	15.6	17.4	26.0

Manual Integrations
APPROVED



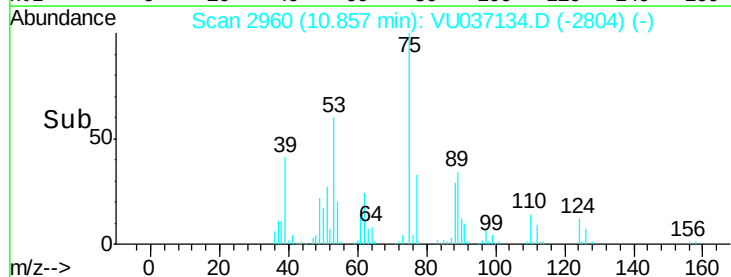
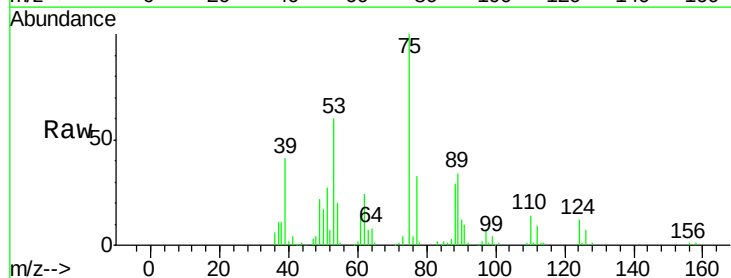
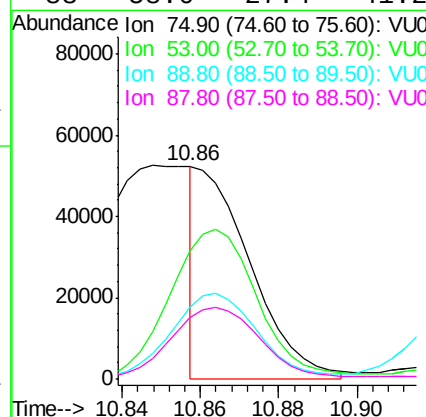
sam

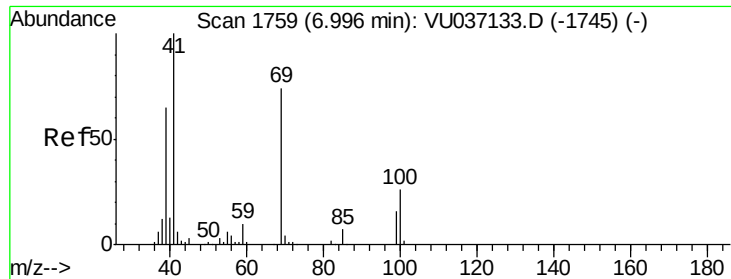
3/10/2020 3:07:09 PM



#46
t-1,4-Dichloro-2-butene
Concen: 38.889 ug/l m
RT: 10.86 min Scan# 2960
Delta R.T. 0.00 min
Lab File: VU037134.D
Acq: 09 Mar 2020 14:48

Tgt Ion	Ratio	Lower	Upper
75	100		
53	118.5	52.2	78.2
89	67.1	39.8	59.6
88	58.0	27.4	41.2



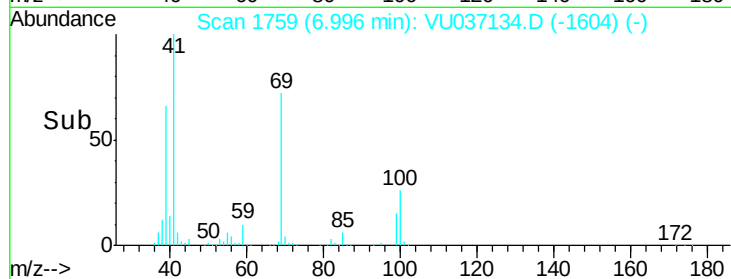
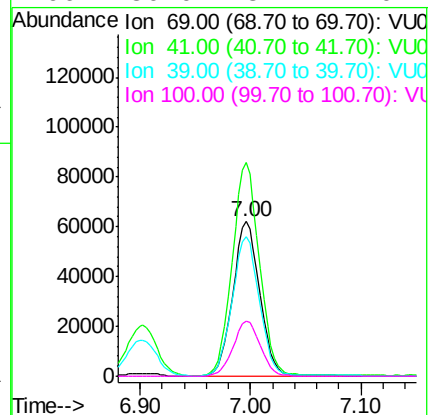
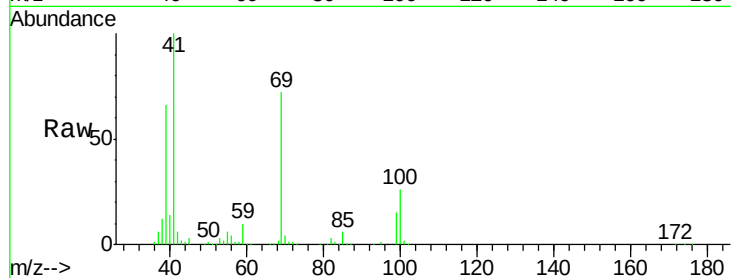


#47
Methvl methacrylate
Concen: 42.584 ug/l
RT: 7.00 min Scan# 1759
Delta R.T. -0.00 min
Lab File: VU037134.D
Acq: 09 Mar 2020 14:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

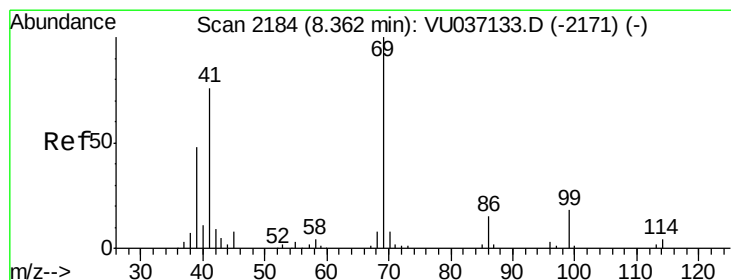
Tot Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	137.1	0.0	200.8		
39	89.9	43.5	65.3		
100	36.0	31.1	46.7		

Manual Integrations
APPROVED



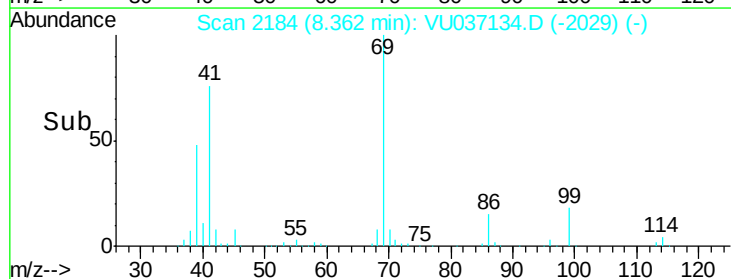
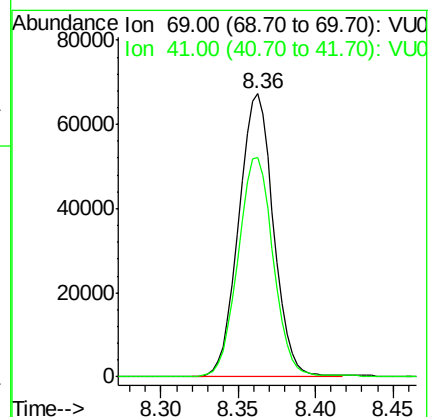
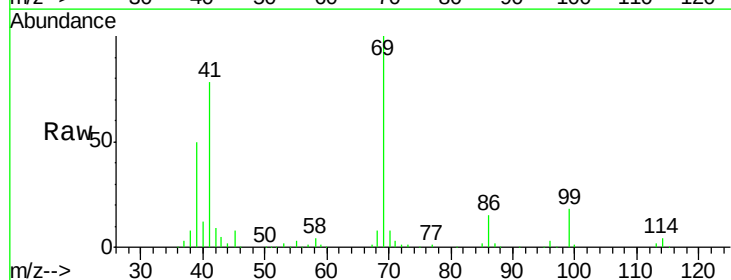
sam

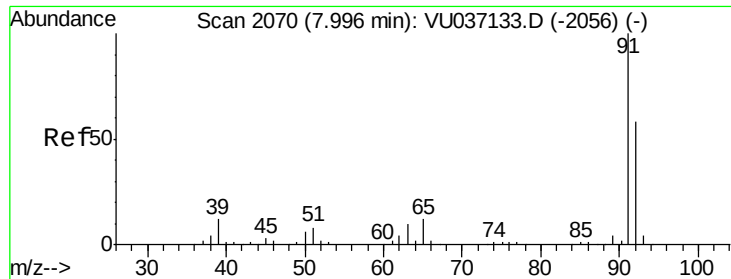
3/10/2020 3:07:09 PM



#48
Ethyl methacrylate
Concen: 21.812 ug/l
RT: 8.36 min Scan# 2184
Delta R.T. -0.00 min
Lab File: VU037134.D
Acq: 09 Mar 2020 14:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	79.2	27.9	83.6		





#49

Toluene

Concen: 21.314 ug/l

RT: 8.00 min Scan# 2070

Delta R.T. -0.00 min

Lab File: VU037134.D

Acq: 09 Mar 2020 14:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

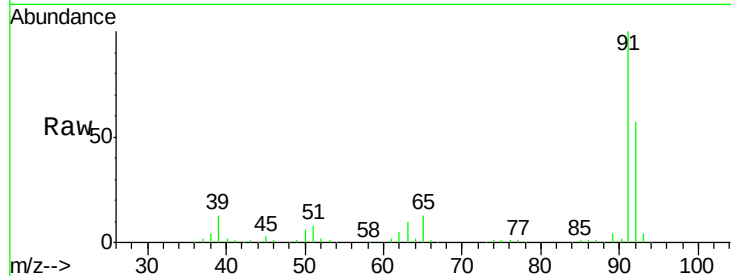
Tot Ion: 92 Resp: 263279

Ion Ratio Lower Upper

92 100

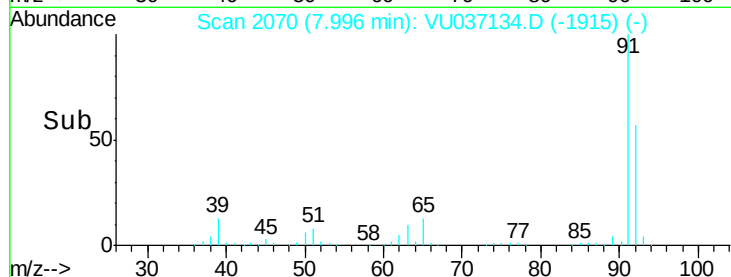
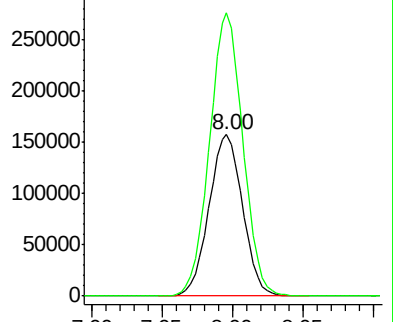
91 173.7 139.1 208.7

Manual Integrations
APPROVED



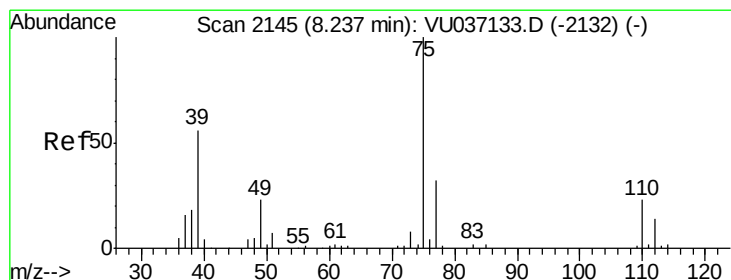
Abundance Ion 92.00 (91.70 to 92.70): VU037133.D (-2056) (-)

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



sam

3/10/2020 3:07:09 PM



#50

t-1,3-Dichloropropene

Concen: 24.311 ug/l

RT: 8.24 min Scan# 2145

Delta R.T. -0.00 min

Lab File: VU037134.D

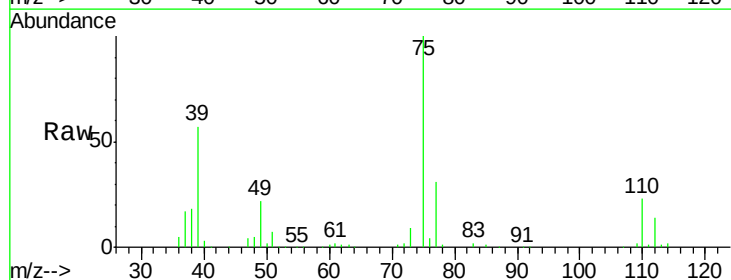
Acq: 09 Mar 2020 14:48

Tgt Ion: 75 Resp: 145521

Ion Ratio Lower Upper

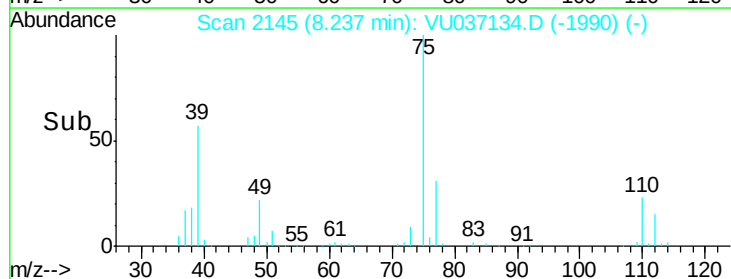
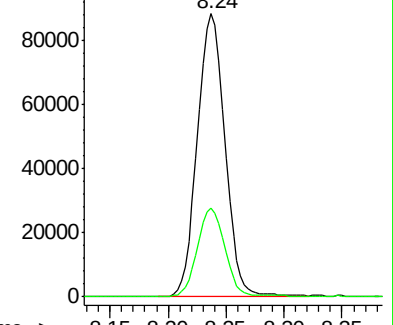
75 100

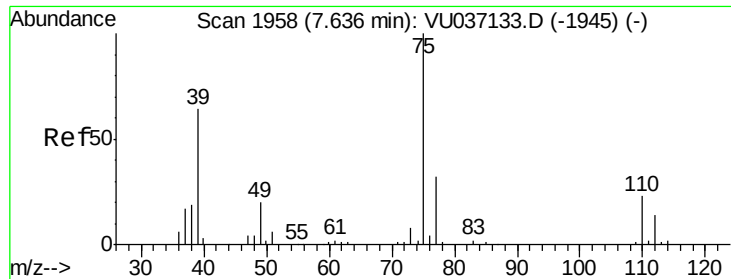
77 31.1 25.4 38.2



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

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





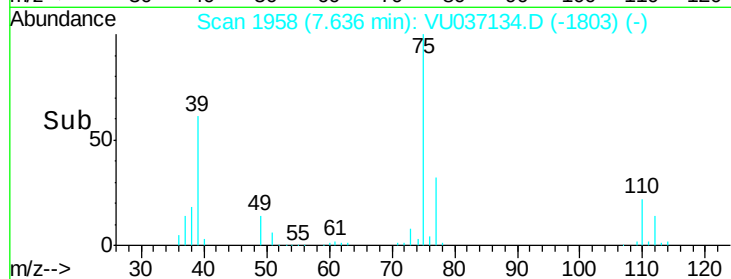
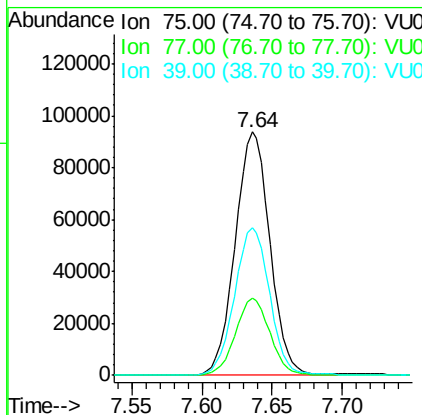
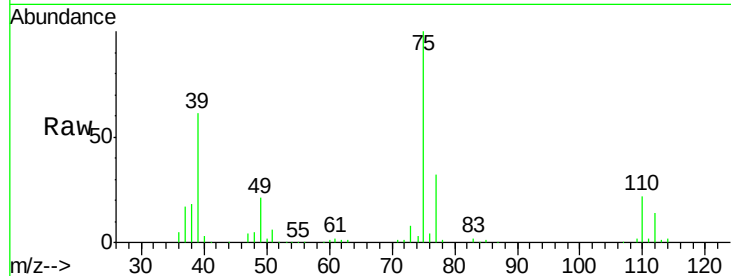
#51

cis-1,3-Dichloropropene
Concen: 22.342 ug/l
RT: 7.64 min Scan# 1958
Delta R.T. -0.00 min
Lab File: VU037134.D
Acq: 09 Mar 2020 14:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

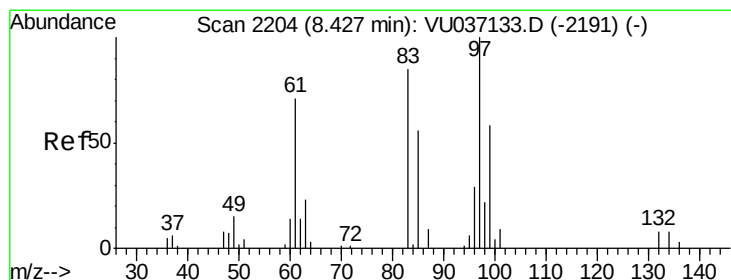
Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.3	37.9
39	60.8	31.8	47.6

Manual Integrations
APPROVED



sam

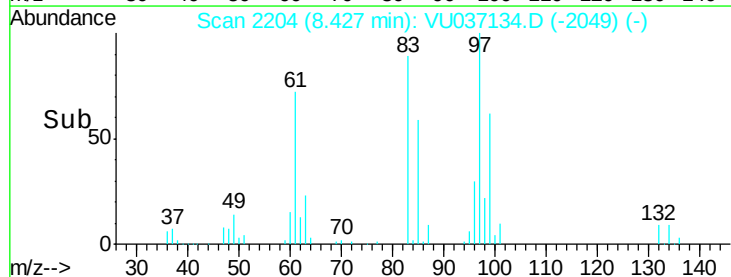
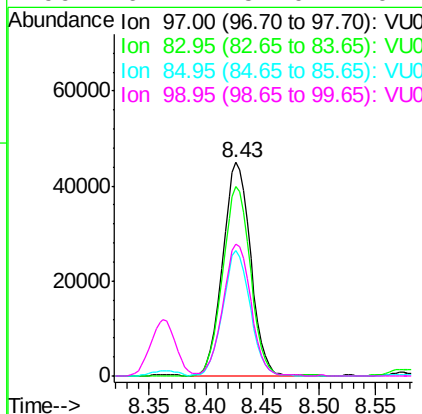
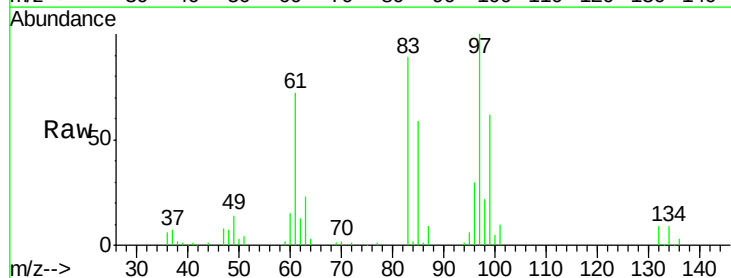
3/10/2020 3:07:09 PM

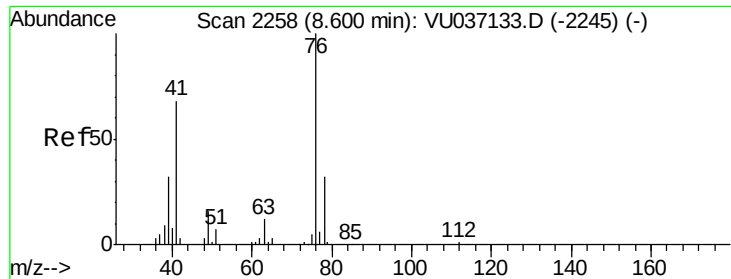


#52

1,1,2-Trichloroethane
Concen: 21.496 ug/l
RT: 8.43 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VU037134.D
Acq: 09 Mar 2020 14:48

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.8	70.9	106.3
85	58.8	45.6	68.4
99	61.7	51.0	76.4



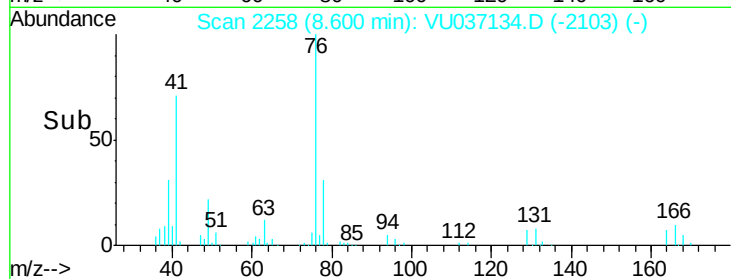
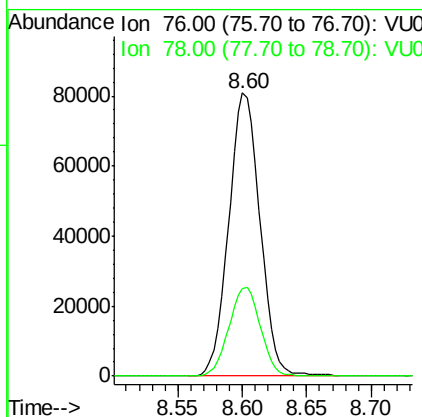
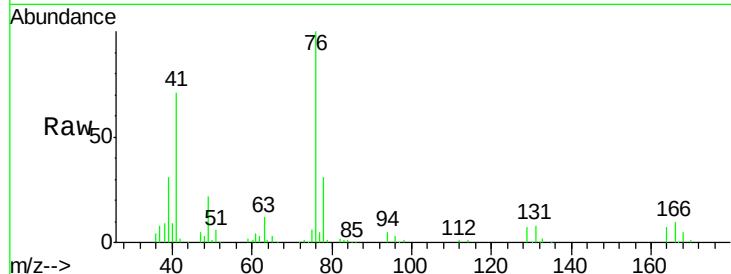


#53
 1,3-Dichloropropane
 Concen: 22.059 ug/l
 RT: 8.60 min Scan# 2258
 Delta R.T. -0.00 min
 Lab File: VU037134.D
 Acq: 09 Mar 2020 14:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

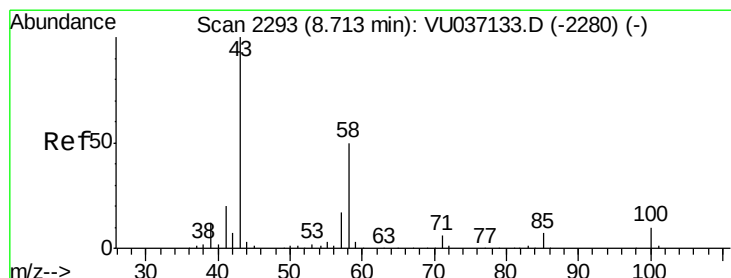
Tot Ion	Ratio	Lower	Upper
76	100		
78	31.7	25.4	38.2

Manual Integrations
 APPROVED



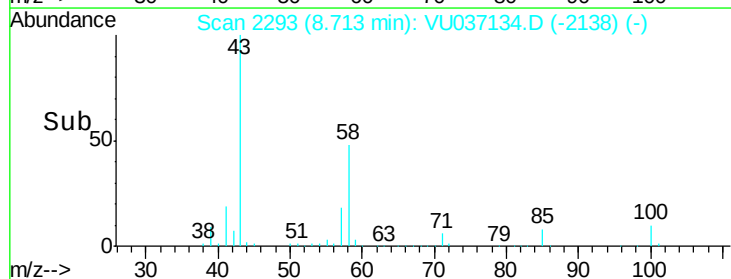
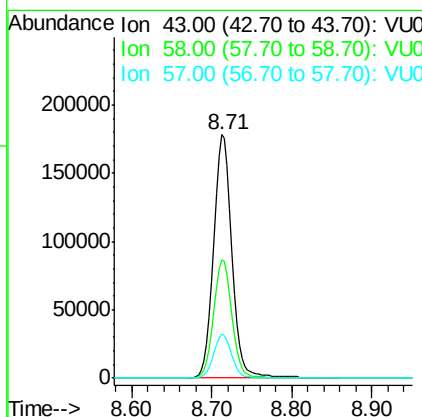
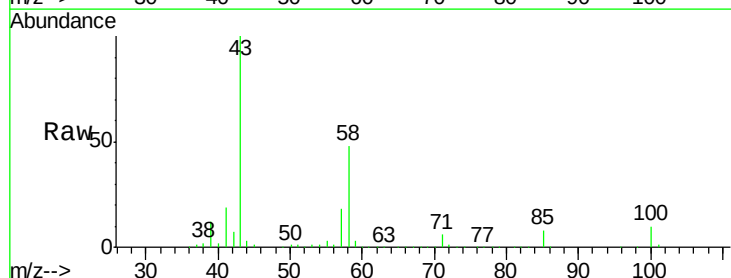
sam

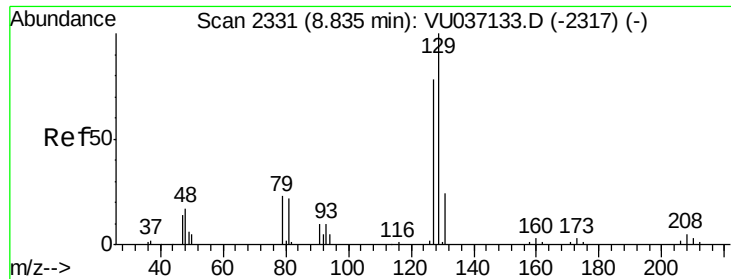
3/10/2020 3:07:09 PM



#54
 2-Hexanone
 Concen: 142.839 ug/l
 RT: 8.71 min Scan# 2293
 Delta R.T. -0.00 min
 Lab File: VU037134.D
 Acq: 09 Mar 2020 14:48

Tgt Ion	Ratio	Lower	Upper
43	100		
58	48.8	40.6	80.6
57	17.9	1.2	41.2



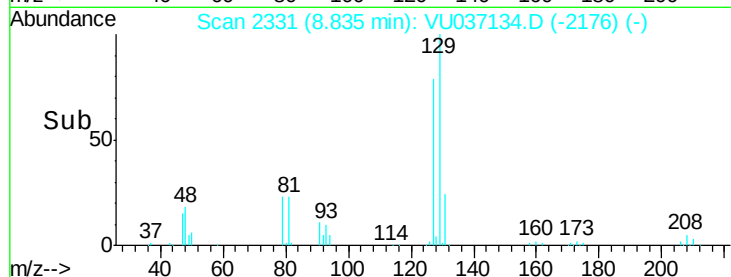
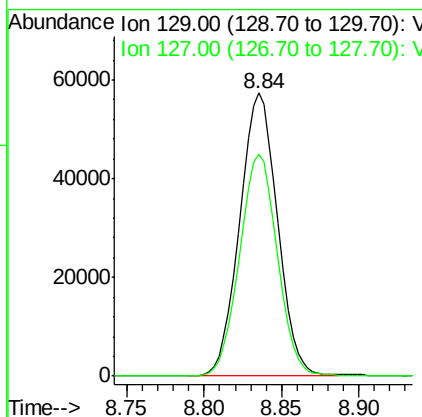
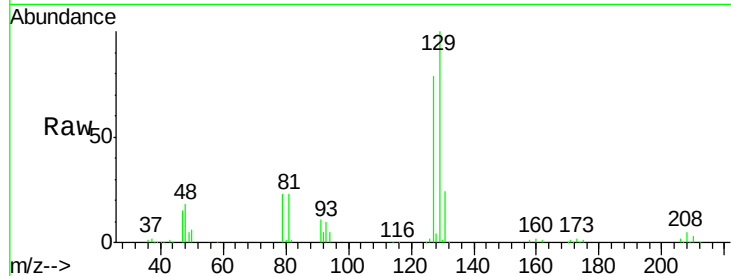


#55
Dibromochloromethane
Concen: 23.498 ug/l
RT: 8.84 min Scan# 2331
Delta R.T. -0.00 min
Lab File: VU037134.D
Acq: 09 Mar 2020 14:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

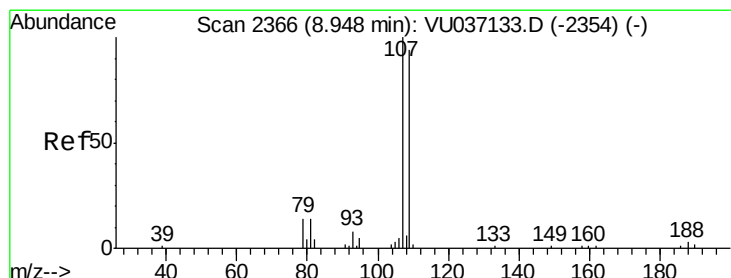
Tot Ion	Ion	Ratio	Lower	Upper
129	100			
127	78.6	62.6	94.0	

Manual Integrations
APPROVED



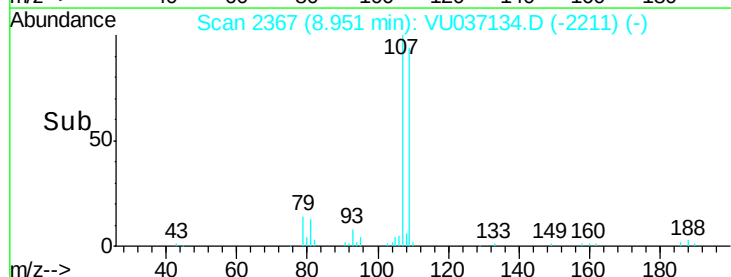
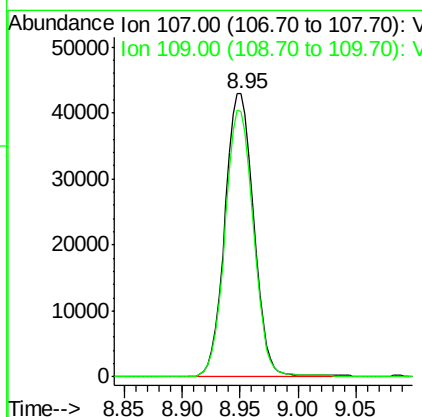
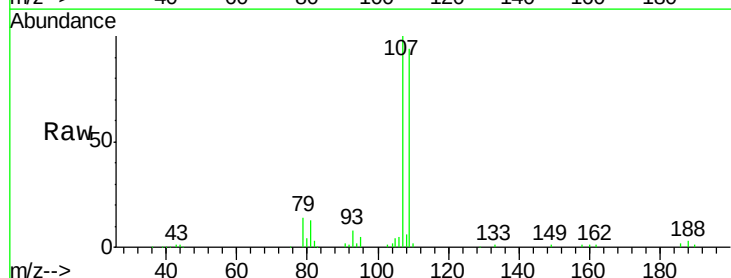
sam

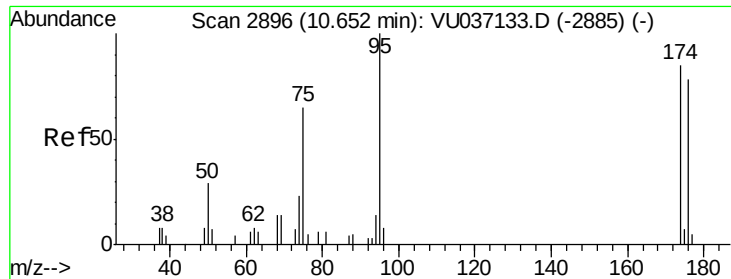
3/10/2020 3:07:09 PM



#56
1,2-Dibromoethane
Concen: 21.360 ug/l
RT: 8.95 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VU037134.D
Acq: 09 Mar 2020 14:48

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
109	92.8	0.0	190.8	



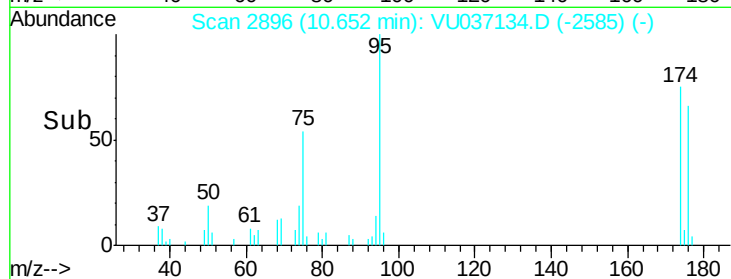
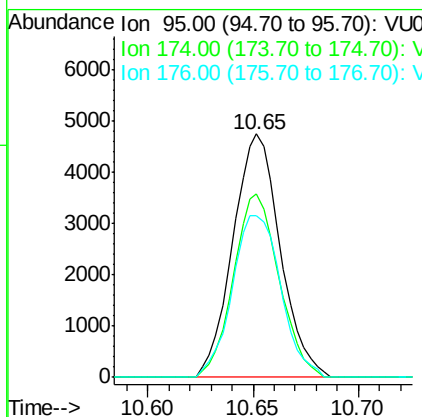
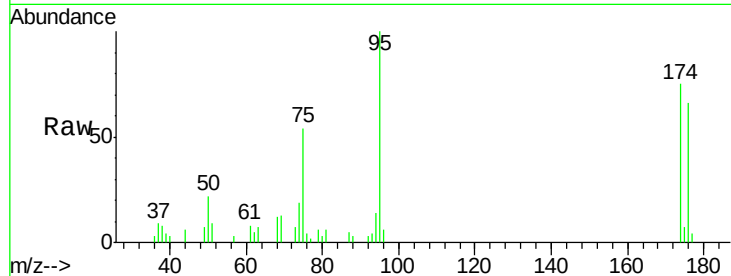


#57
4-Bromofluorobenzene
Concen: 1.121 ug/l
RT: 10.65 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VU037134.D
Acq: 09 Mar 2020 14:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

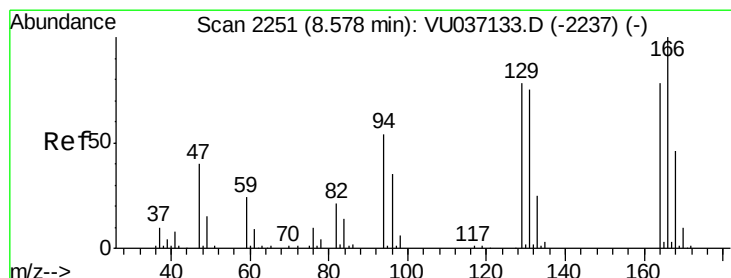
Tot Ion	Ratio	Lower	Upper
95	100		
174	72.5	64.7	97.1
176	68.5	60.6	91.0

Manual Integrations
APPROVED



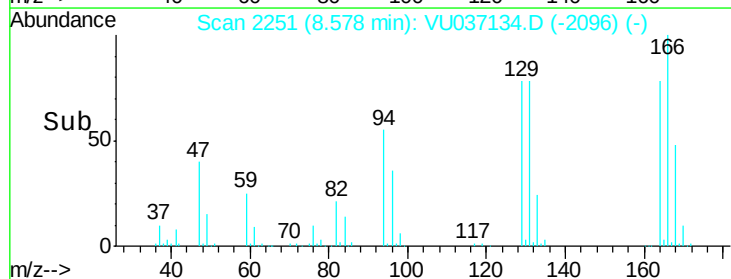
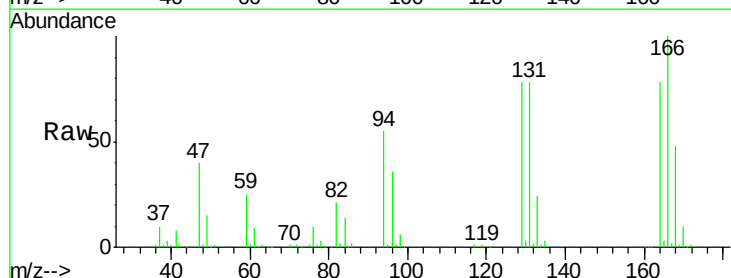
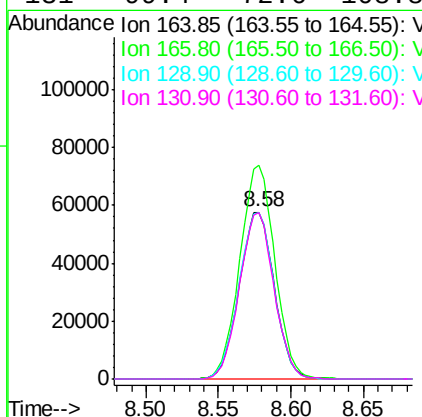
sam

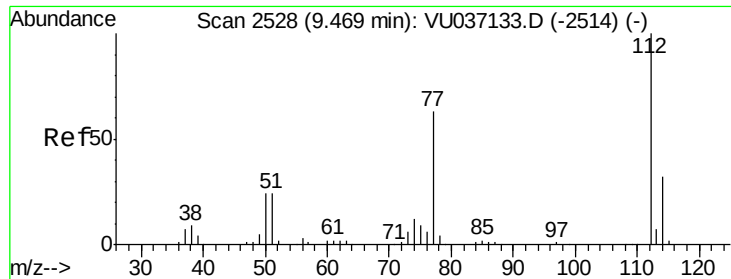
3/10/2020 3:07:09 PM



#58
Tetrachloroethene
Concen: 18.174 ug/l
RT: 8.58 min Scan# 2251
Delta R.T. -0.00 min
Lab File: VU037134.D
Acq: 09 Mar 2020 14:48

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.9	102.0	153.0
129	99.7	74.9	112.3
131	99.4	72.6	108.8



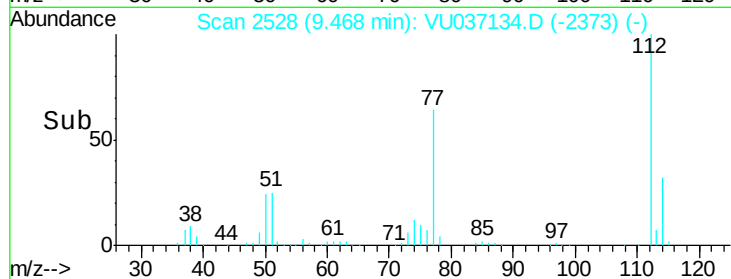
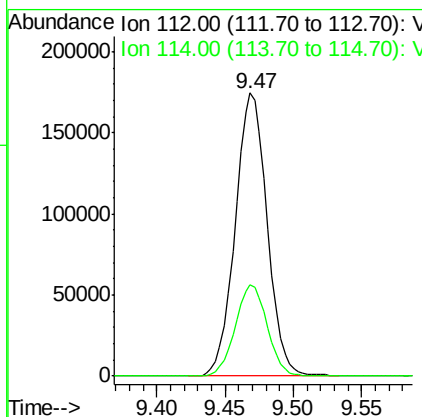
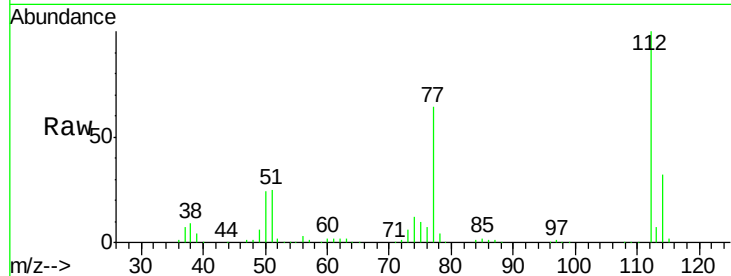


#59
Chlorobenzene
Concen: 20.597 ug/l
RT: 9.47 min Scan# 2528
Delta R.T. -0.00 min
Lab File: VU037134.D
Acq: 09 Mar 2020 14:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

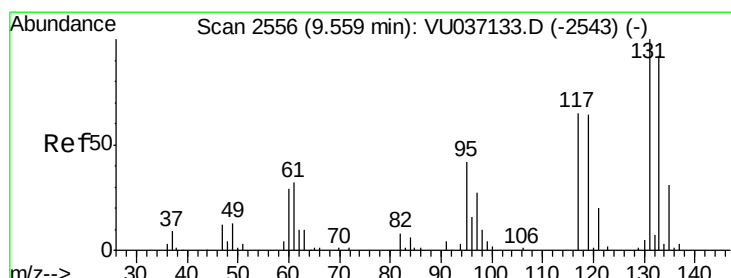
Tot Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.8	38.8

Manual Integrations
APPROVED



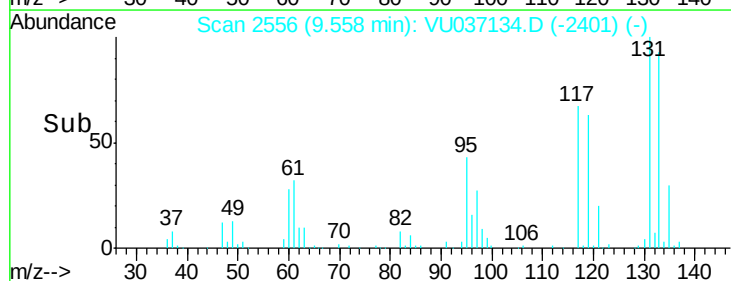
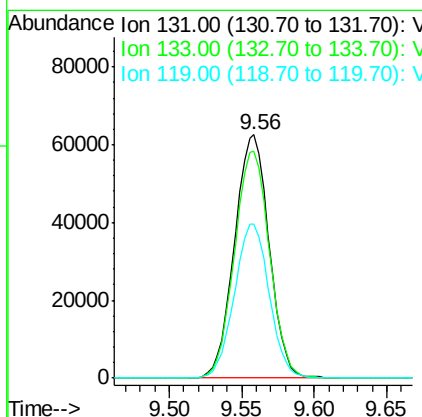
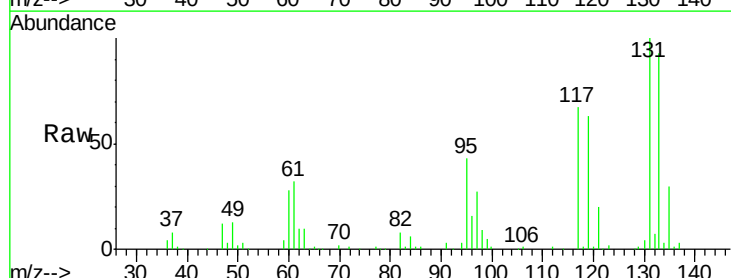
sam

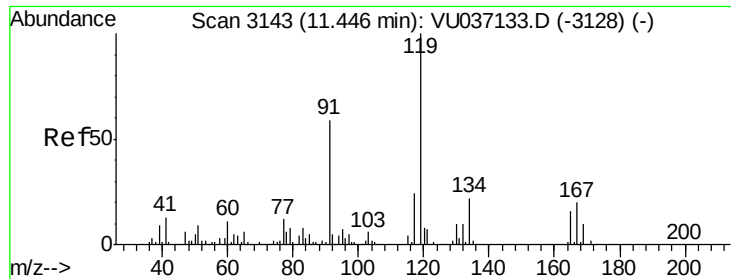
3/10/2020 3:07:09 PM



#60
1,1,1,2-Tetrachloroethane
Concen: 23.683 ug/l
RT: 9.56 min Scan# 2556
Delta R.T. -0.00 min
Lab File: VU037134.D
Acq: 09 Mar 2020 14:48

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.3	76.4	114.6
119	63.5	56.6	85.0



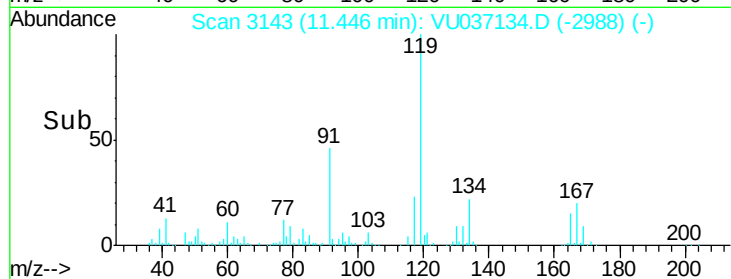
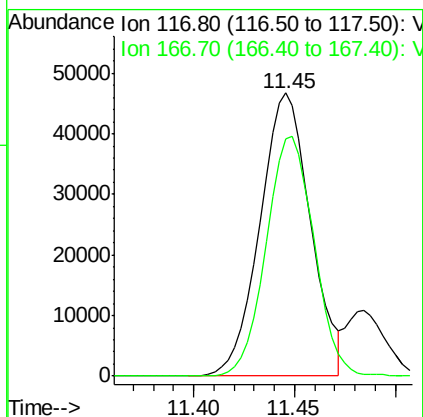
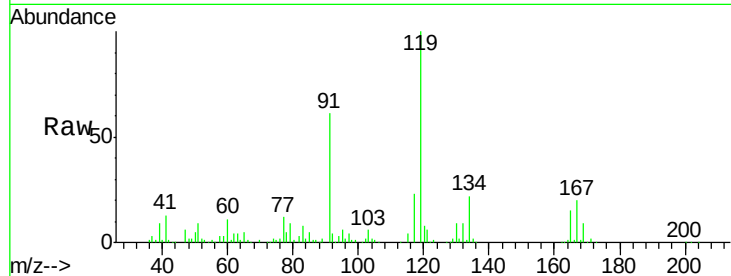


#61
 Pentachloroethane
 Concen: 28.730 ug/l
 RT: 11.45 min Scan# 3143
 Delta R.T. -0.00 min
 Lab File: VU037134.D
 Acq: 09 Mar 2020 14:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

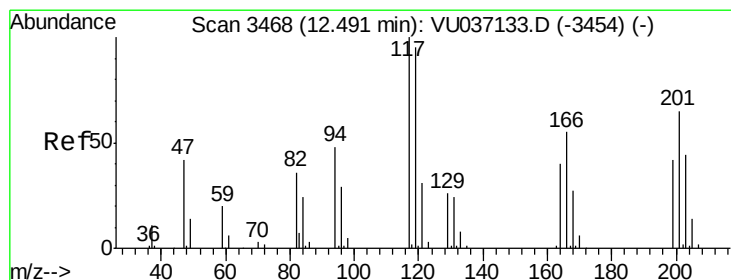
Tot Ion:117 Resp: 81457
 Ion Ratio Lower Upper
 117 100
 167 79.9 66.7 100.1

Manual Integrations
 APPROVED



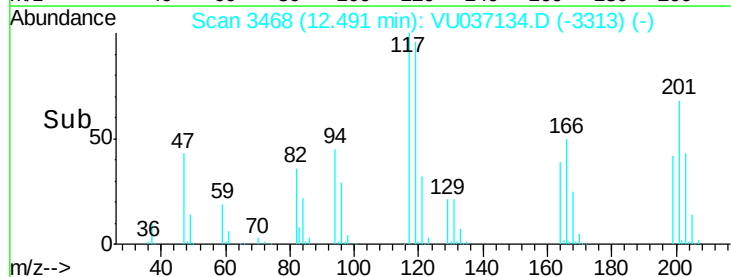
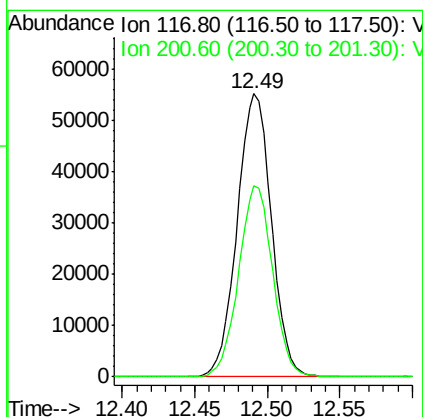
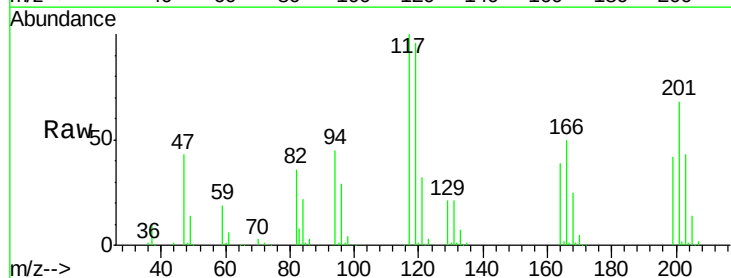
sam

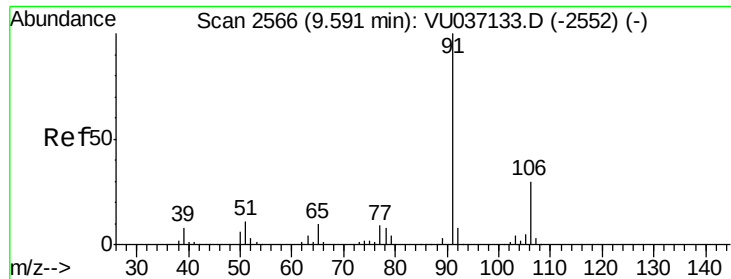
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#62
 Hexachloroethane
 Concen: 25.133 ug/l
 RT: 12.49 min Scan# 3468
 Delta R.T. -0.00 min
 Lab File: VU037134.D
 Acq: 09 Mar 2020 14:48

Tgt Ion:117 Resp: 90812
 Ion Ratio Lower Upper
 117 100
 201 67.1 65.0 97.4



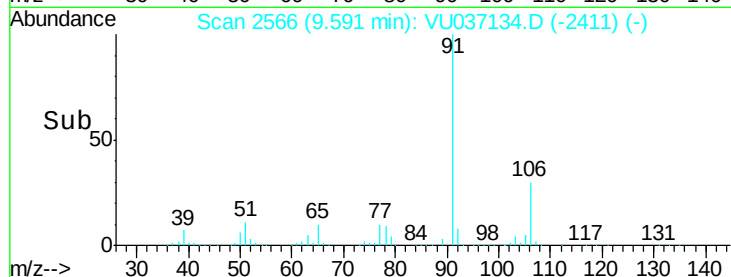
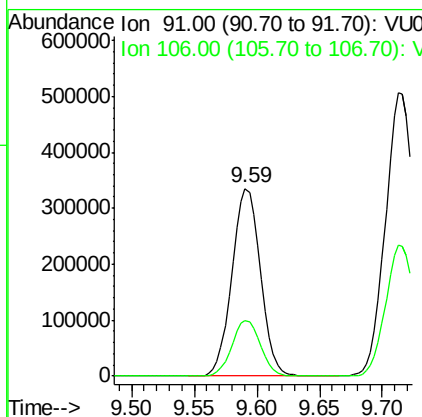
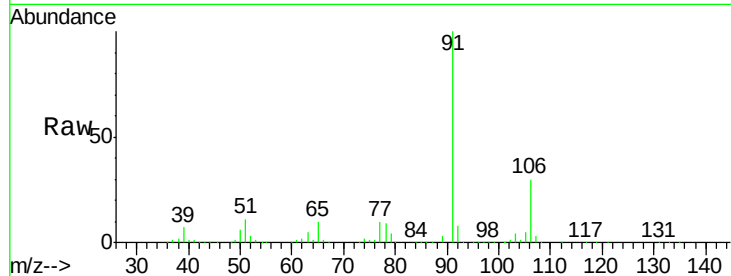


#63
Ethyl Benzene
Concen: 22.969 ug/l
RT: 9.59 min Scan# 2566
Delta R.T. -0.00 min
Lab File: VU037134.D
Acq: 09 Mar 2020 14:48

Instrument :
MSVOA_U
ClientSampled :
VSTDIC020

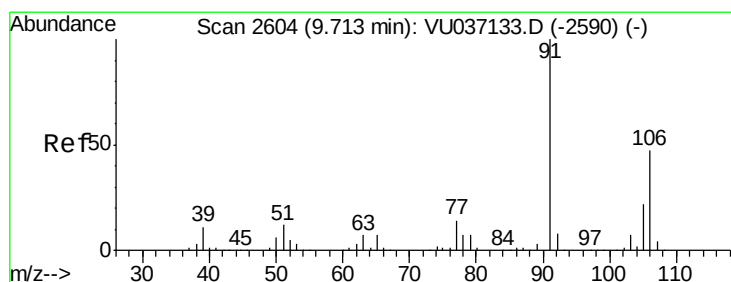
Tot Ion: 91 Resp: 529663
Ion Ratio Lower Upper
91 100
106 29.9 26.0 39.0

Manual Integrations
APPROVED



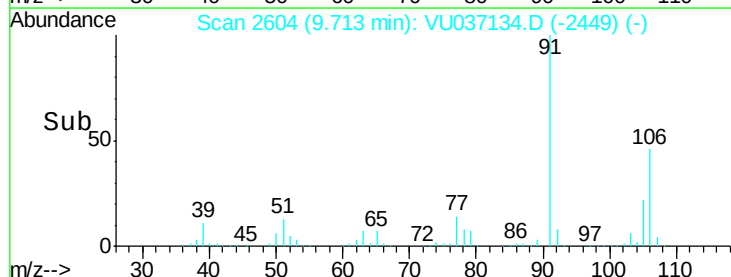
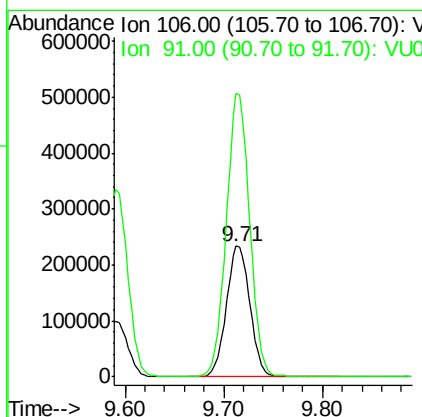
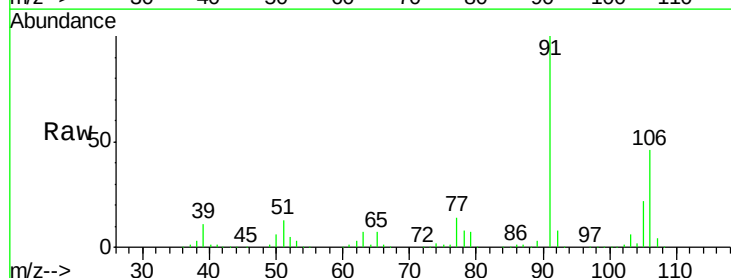
sam

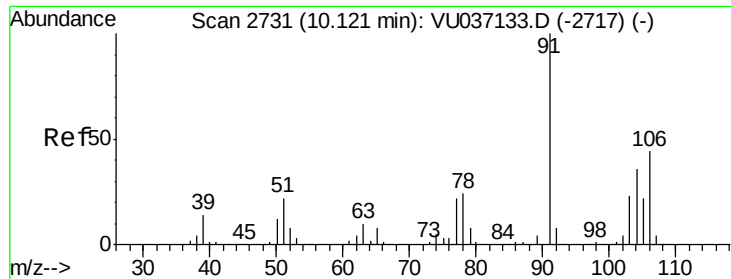
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#64
m/p-Xylenes
Concen: 42.783 ug/l
RT: 9.71 min Scan# 2604
Delta R.T. -0.00 min
Lab File: VU037134.D
Acq: 09 Mar 2020 14:48

Tgt Ion: 106 Resp: 390508
Ion Ratio Lower Upper
106 100
91 215.2 158.2 237.4



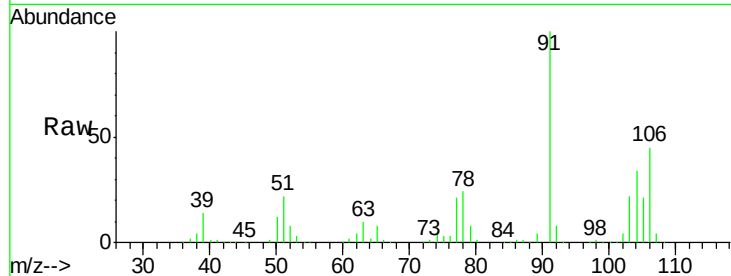


#65
o-Xylene
Concen: 21.440 ug/l
RT: 10.12 min Scan# 2731
Delta R.T. -0.00 min
Lab File: VU037134.D
Acq: 09 Mar 2020 14:48

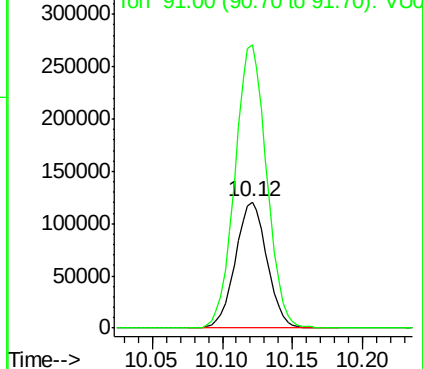
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion:106 Resp: 189505
Ion Ratio Lower Upper
106 100
91 225.4 104.3 312.9

Manual Integrations
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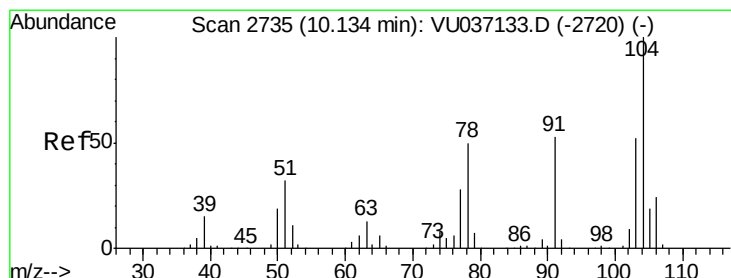
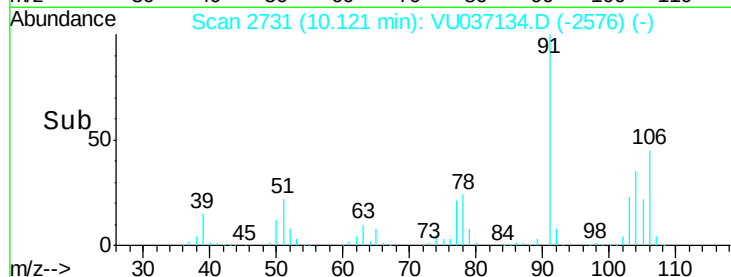


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0



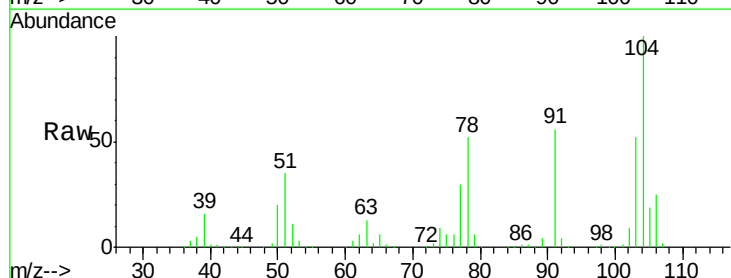
sam

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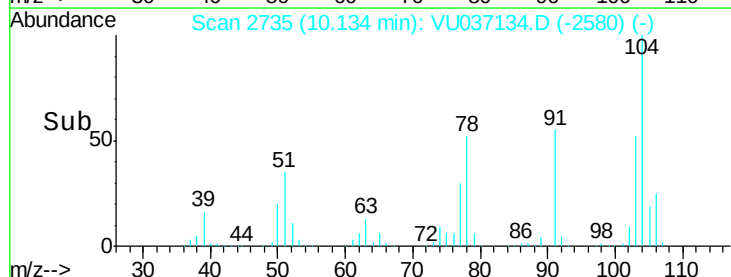
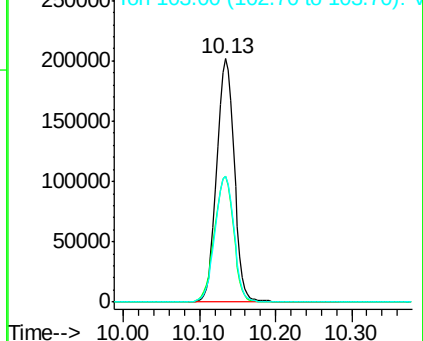


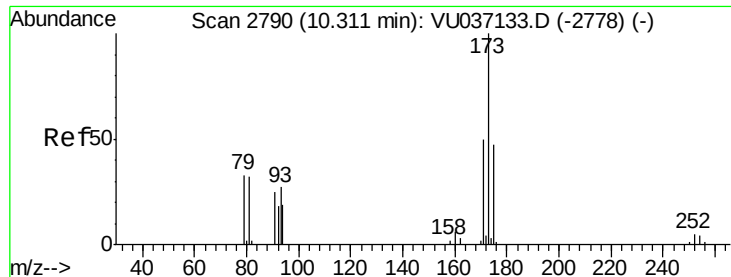
#66
Styrene
Concen: 21.850 ug/l
RT: 10.13 min Scan# 2735
Delta R.T. -0.00 min
Lab File: VU037134.D
Acq: 09 Mar 2020 14:48

Tgt Ion:104 Resp: 323422
Ion Ratio Lower Upper
104 100
78 56.2 38.6 57.8
103 56.0 44.4 66.6



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



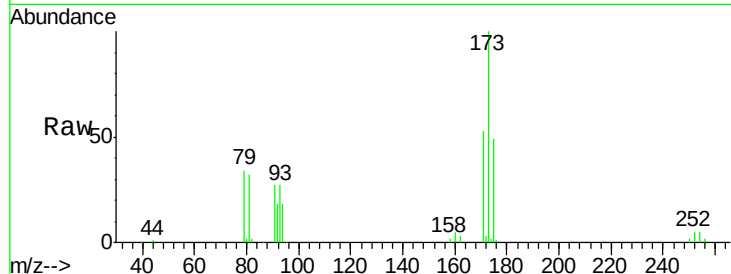


#67
Bromoform
Concen: 23.189 ug/l
RT: 10.31 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VU037134.D
Acq: 09 Mar 2020 14:48

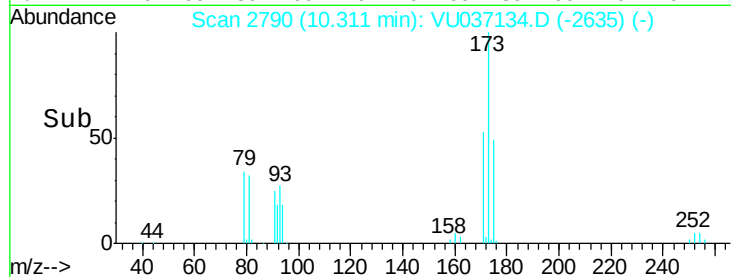
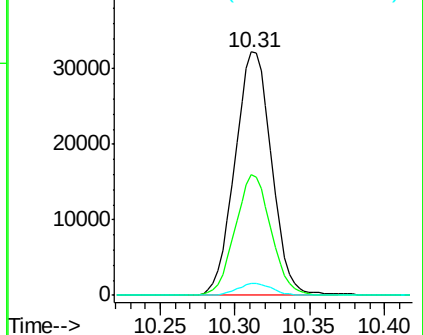
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	38.3	57.5
254	4.5	6.6	9.8

Manual Integrations
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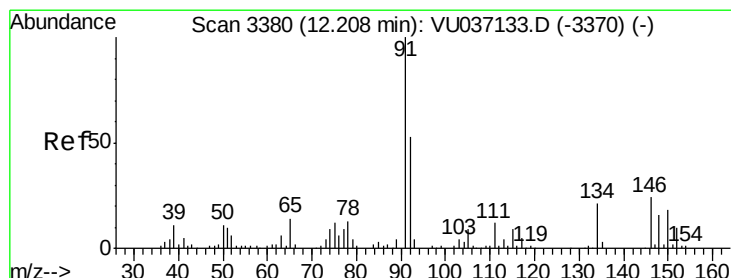


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



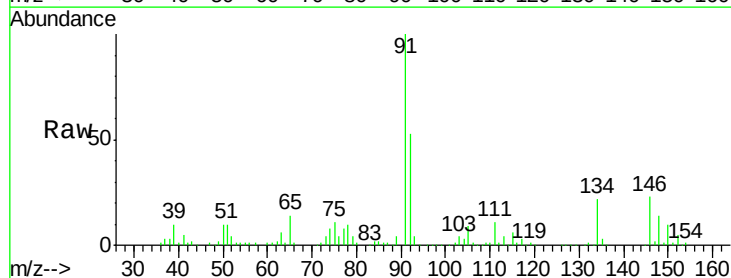
sam

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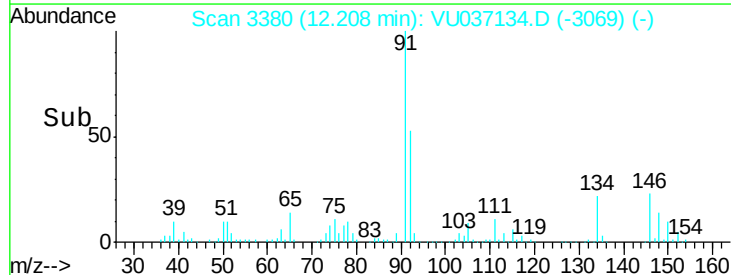
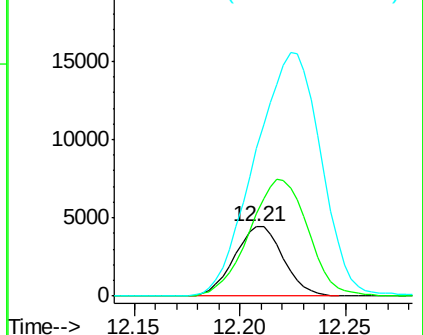


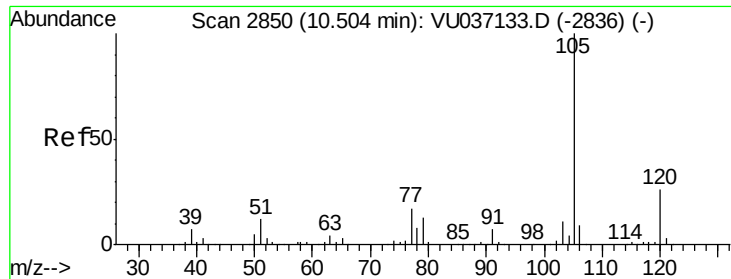
#68
1,2-Dichlorobenzene-d4
Concen: 1.059 ug/l
RT: 12.21 min Scan# 3380
Delta R.T. -0.00 min
Lab File: VU037134.D
Acq: 09 Mar 2020 14:48

Tgt Ion	Ratio	Lower	Upper
152	100		
115	201.8	0.0	241.8
150	474.2	0.0	652.4



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 22.533 ug/l

RT: 10.50 min Scan# 2850

Delta R.T. -0.00 min

Lab File: VU037134.D

Acq: 09 Mar 2020 14:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

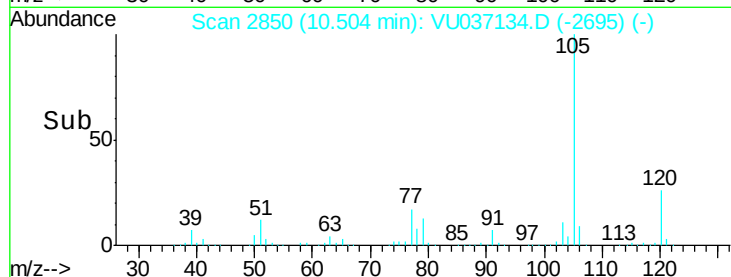
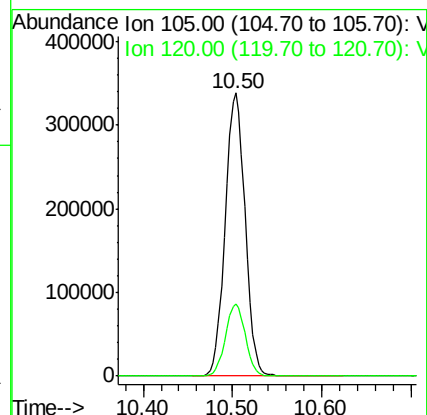
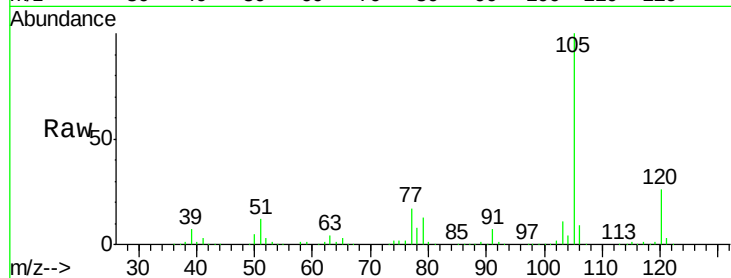
Tot Ion:105 Resp: 523202

Ion Ratio Lower Upper

105 100

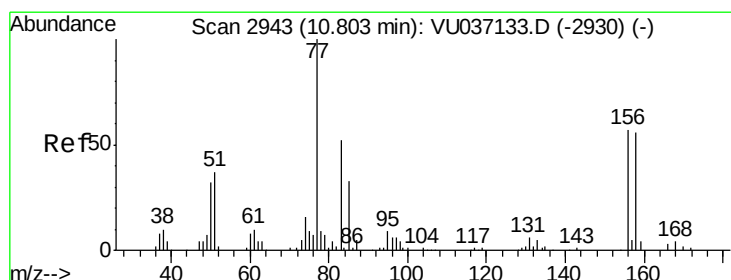
120 25.5 13.6 40.7

Manual Integrations
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#70

1,1,2,2-Tetrachloroethane

Concen: 22.739 ug/l

RT: 10.80 min Scan# 2943

Delta R.T. -0.00 min

Lab File: VU037134.D

Acq: 09 Mar 2020 14:48

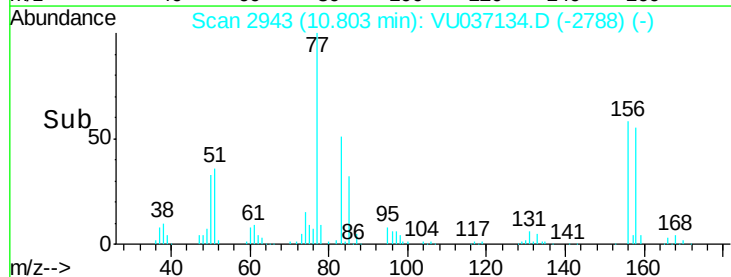
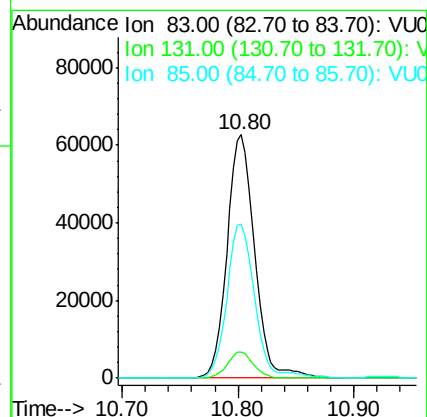
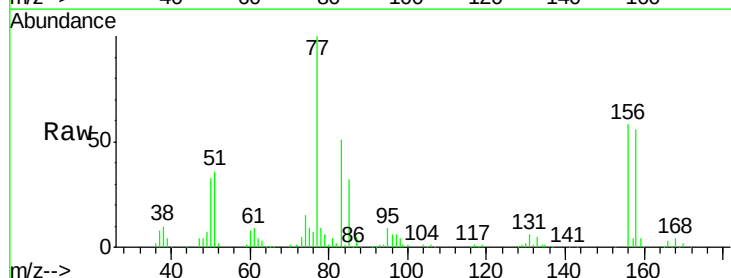
Tgt Ion: 83 Resp: 103367

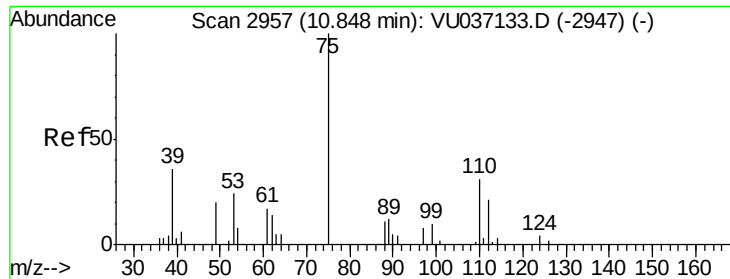
Ion Ratio Lower Upper

83 100

131 10.1 7.8 11.8

85 64.1 53.2 79.8



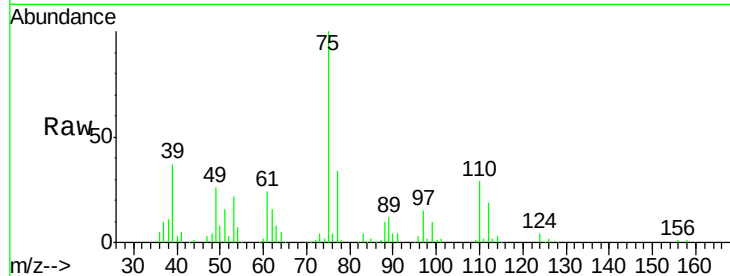


#71
1,2,3-Trichloropropane
Concen: 24.959 ug/l m
RT: 10.85 min Scan# 2957
Delta R.T. -0.00 min
Lab File: VU037134.D
Acq: 09 Mar 2020 14:48

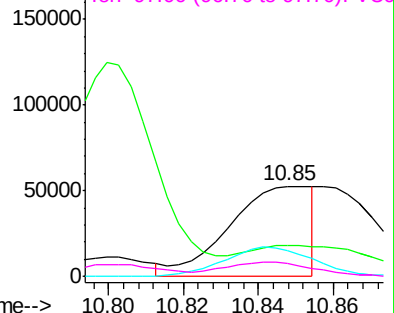
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	75	Resp	80956
Ion	Ratio	Lower	Upper
75	100		
77	51.7	0.0	129.6
110	34.6	0.0	77.4
97	17.3	0.0	42.0

Manual Integrations
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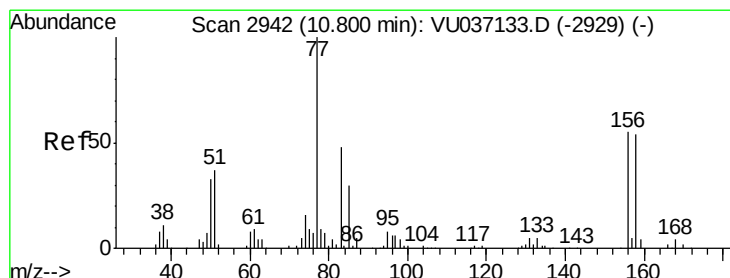
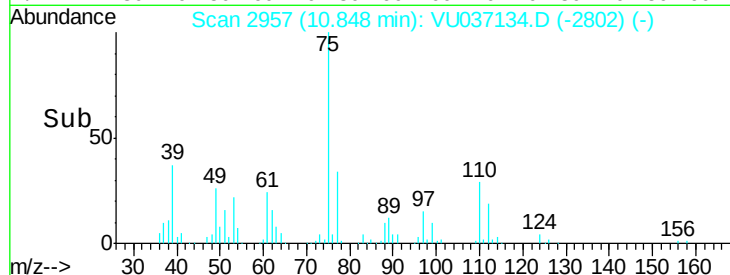


Abundance Ion 75.00 (74.70 to 75.70): VU037133.D (-2947) (-)
Ion 77.00 (76.70 to 77.70): VU037133.D (-2947) (-)
Ion 110.00 (109.70 to 110.70): VU037133.D (-2947) (-)
Ion 97.00 (96.70 to 97.70): VU037133.D (-2947) (-)



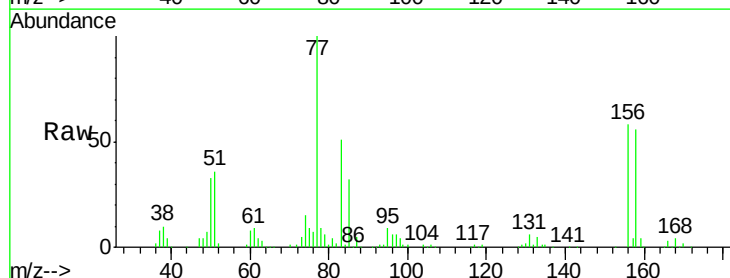
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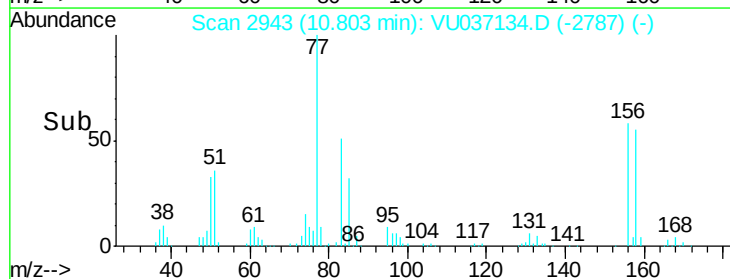
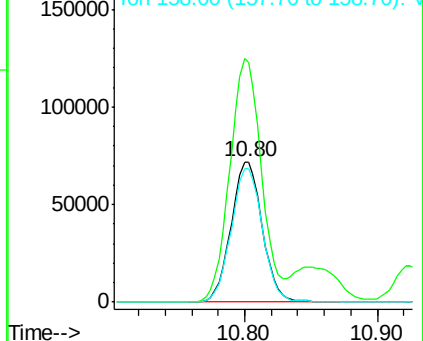


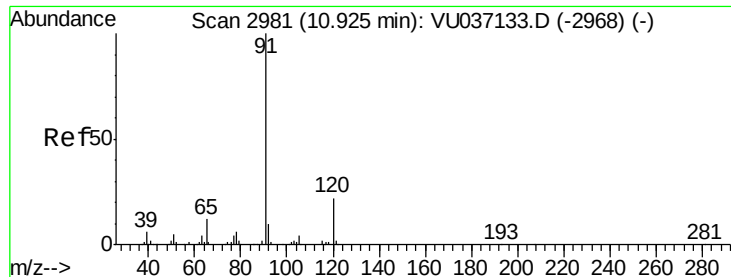
#72
Bromobenzene
Concen: 20.993 ug/l
RT: 10.80 min Scan# 2943
Delta R.T. 0.00 min
Lab File: VU037134.D
Acq: 09 Mar 2020 14:48

Tgt Ion	156	Resp	117440
Ion	Ratio	Lower	Upper
156	100		
77	175.5	0.0	306.6
158	95.7	0.0	192.0



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





#73

n-propylbenzene

Concen: 21.847 ug/l

RT: 10.92 min Scan# 2981

Delta R.T. -0.00 min

Lab File: VU037134.D

Acq: 09 Mar 2020 14:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

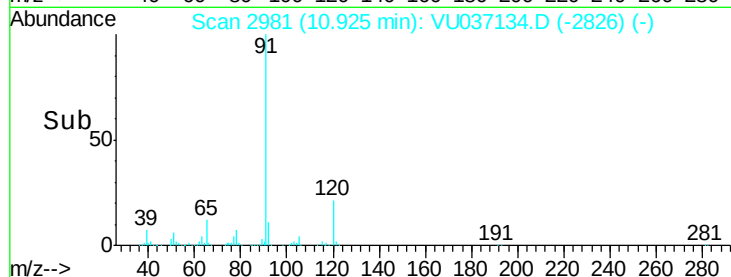
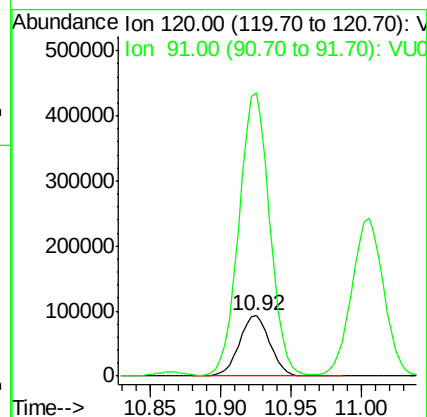
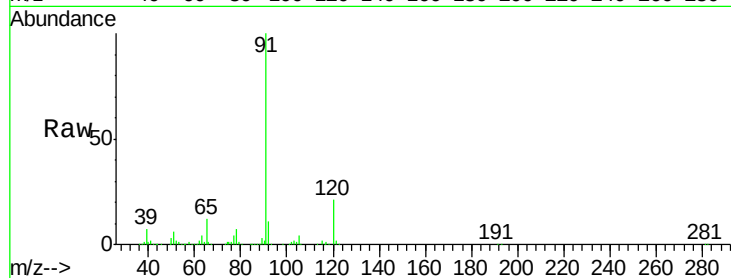
Tot Ion:120 Resp: 142335

Ion Ratio Lower Upper

120 100

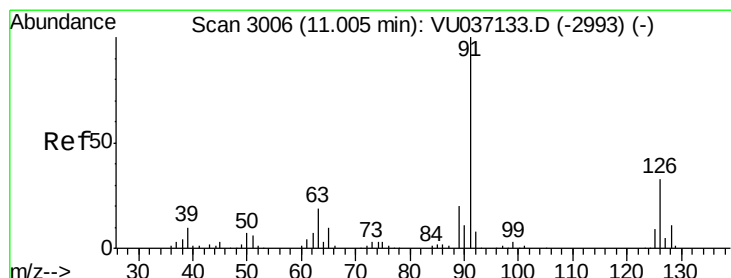
91 464.7 329.5 494.3

Manual Integrations
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#74

2-Chlorotoluene

Concen: 22.102 ug/l

RT: 11.01 min Scan# 3006

Delta R.T. -0.00 min

Lab File: VU037134.D

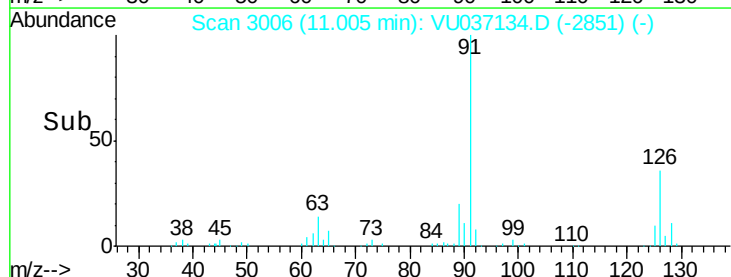
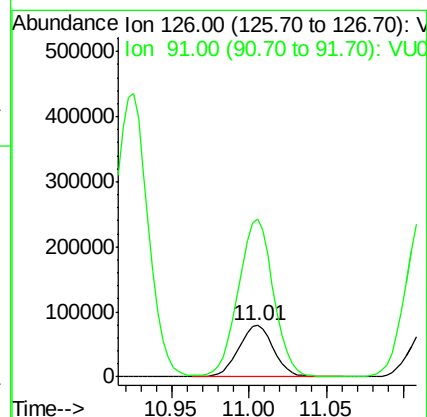
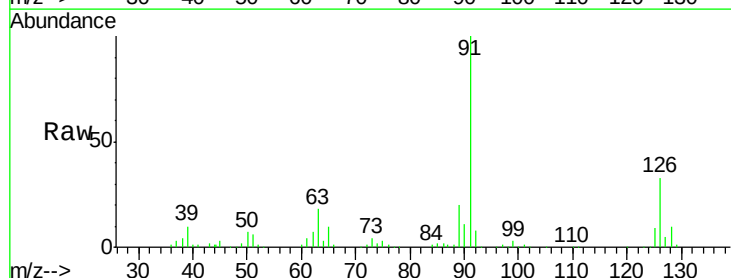
Acq: 09 Mar 2020 14:48

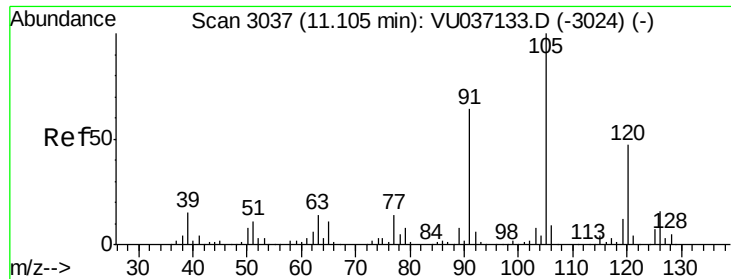
Tgt Ion:126 Resp: 123681

Ion Ratio Lower Upper

126 100

91 307.4 0.0 567.4





#75

1,3,5-Trimethylbenzene

Concen: 23.293 ug/l

RT: 11.11 min Scan# 3037

Delta R.T. -0.00 min

Lab File: VU037134.D

Acq: 09 Mar 2020 14:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

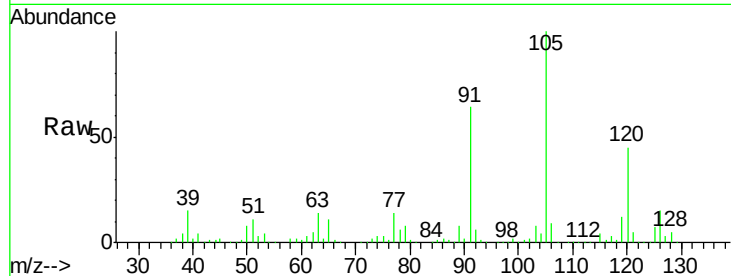
Tot Ion:105 Resp: 463863

Ion Ratio Lower Upper

105 100

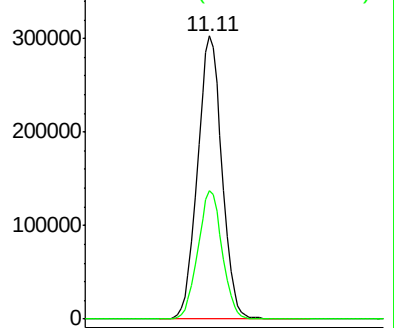
120 45.3 39.8 59.8

Manual Integrations
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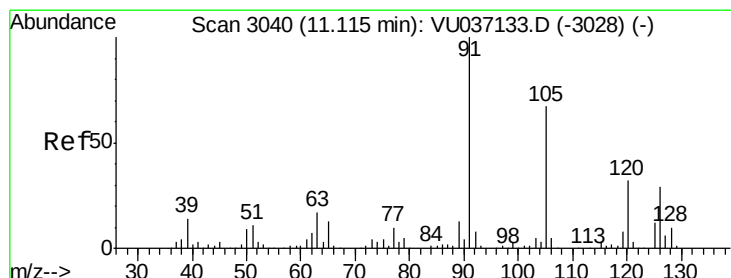
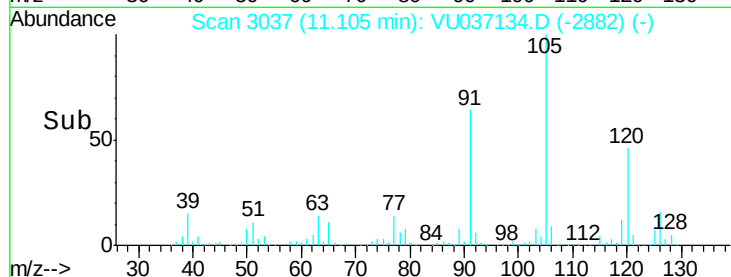
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



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#76

4-Chlorotoluene

Concen: 21.882 ug/l

RT: 11.11 min Scan# 3040

Delta R.T. -0.00 min

Lab File: VU037134.D

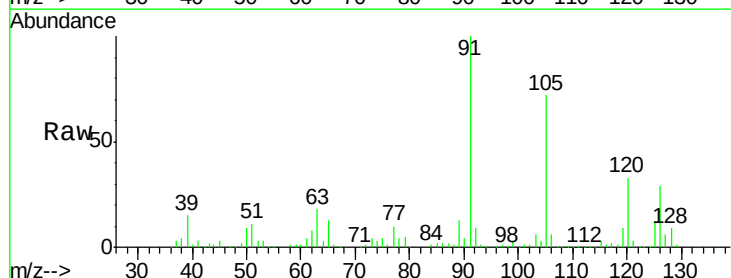
Acq: 09 Mar 2020 14:48

Tgt Ion:126 Resp: 126520

Ion Ratio Lower Upper

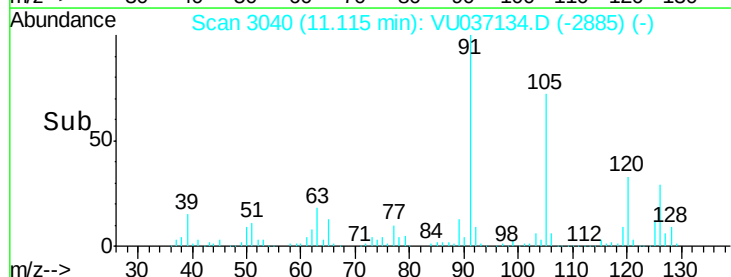
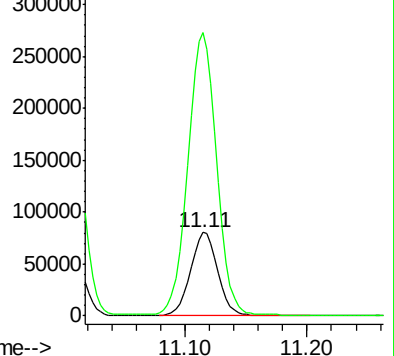
126 100

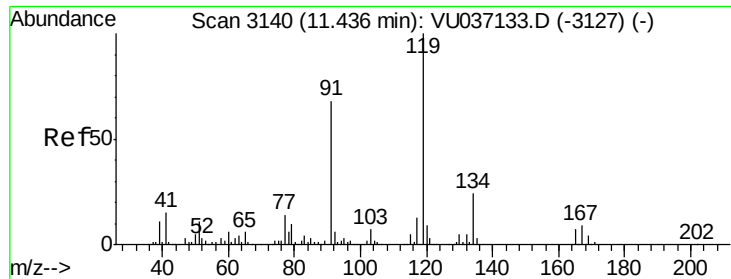
91 358.9 0.0 633.0



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#77

tert-Butylbenzene

Concen: 23.073 ug/l

RT: 11.44 min Scan# 3140

Delta R.T. -0.00 min

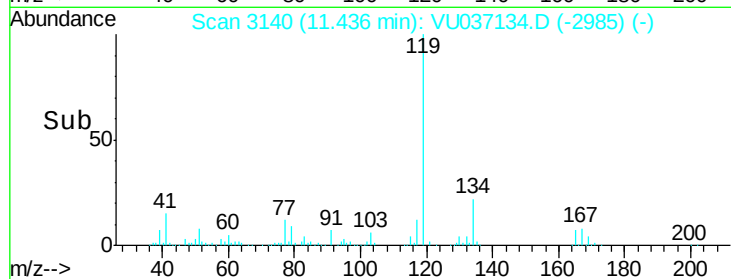
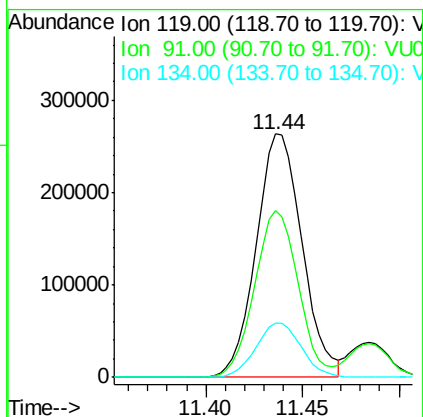
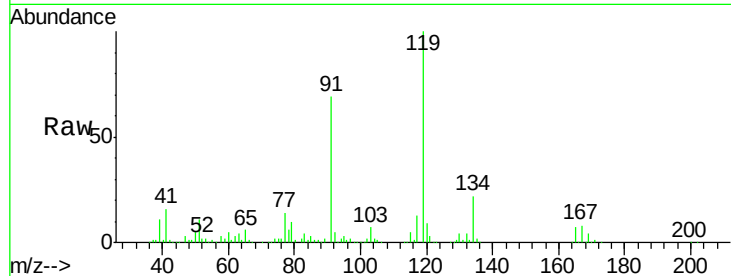
Lab File: VU037134.D

Acq: 09 Mar 2020 14:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

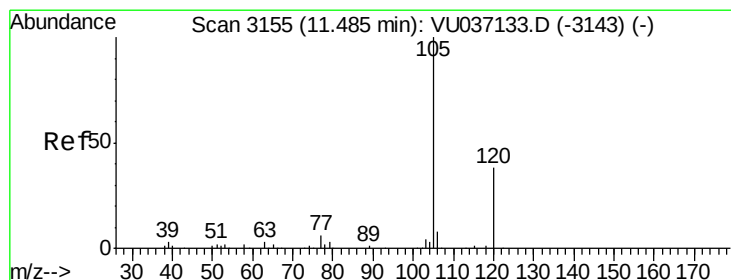
Tot Ion	Ratio	Lower	Upper
119	100		
91	65.1	29.3	87.8
134	22.2	19.0	28.4

Manual Integrations
APPROVED



sam

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#78

1,2,4-Trimethylbenzene

Concen: 23.168 ug/l

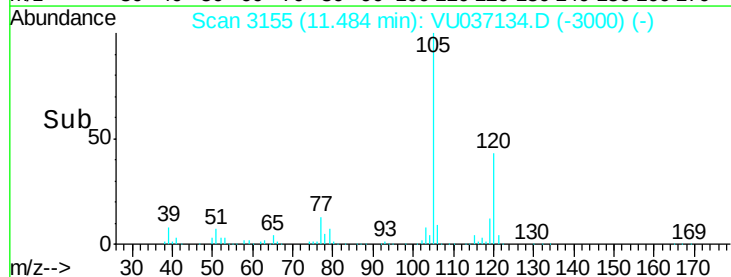
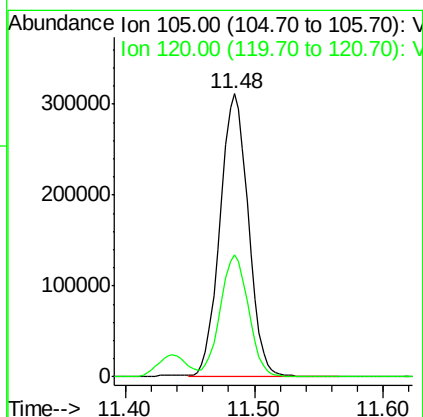
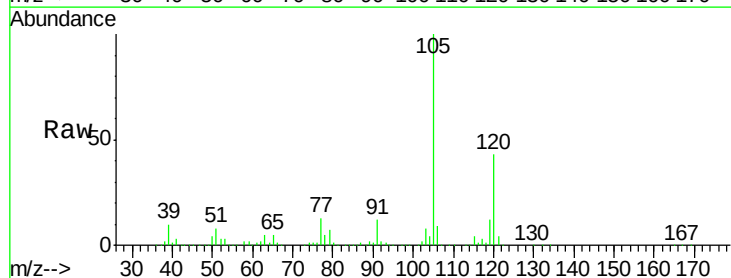
RT: 11.48 min Scan# 3155

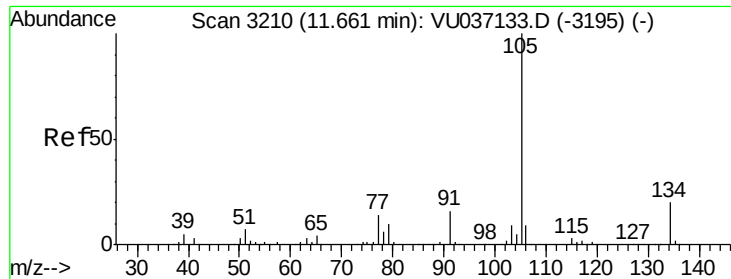
Delta R.T. -0.00 min

Lab File: VU037134.D

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Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.3	23.3	69.8



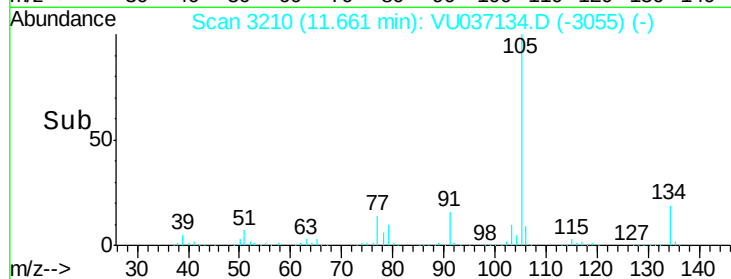
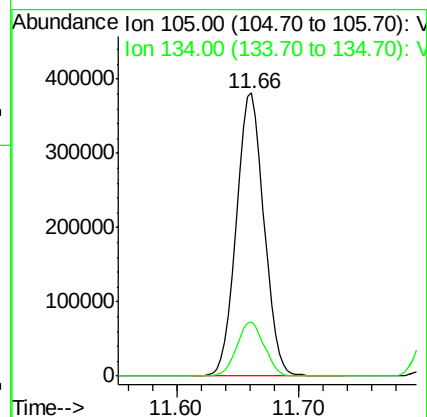
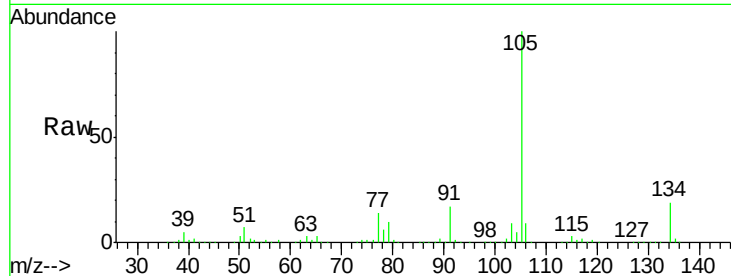


#79
 sec-Butylbenzene
 Concen: 22.938 ug/l
 RT: 11.66 min Scan# 3210
 Delta R.T. -0.00 min
 Lab File: VU037134.D
 Acq: 09 Mar 2020 14:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

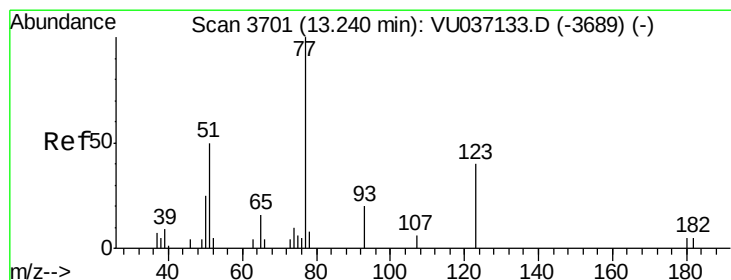
Tot Ion: 105 Resp: 600517
 Ion Ratio Lower Upper
 105 100
 134 19.1 16.0 24.0

Manual Integrations
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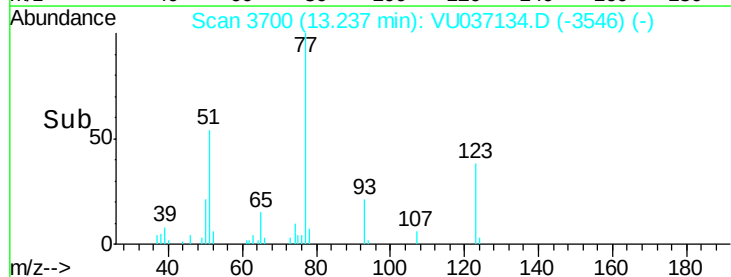
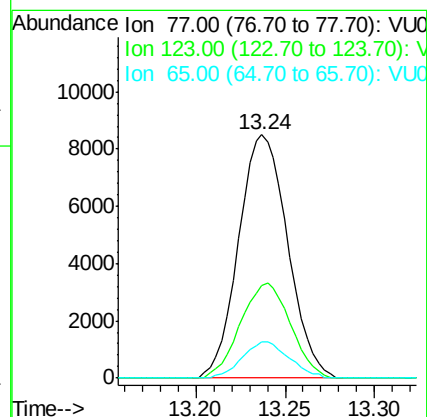
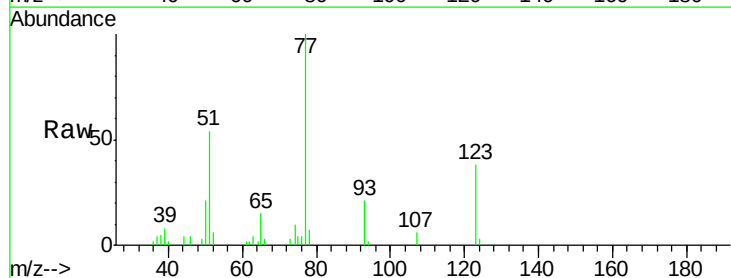
sam

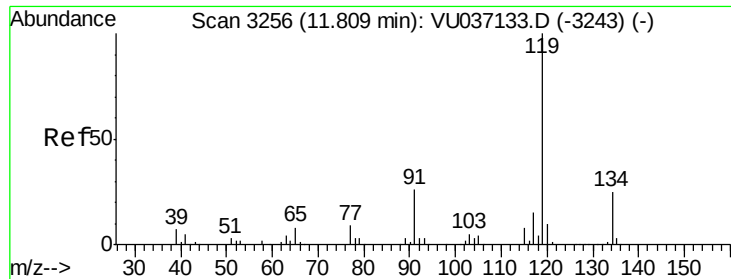
3/10/2020 3:07:09 PM



#80
 Nitrobenzene
 Concen: 249.645 ug/l
 RT: 13.24 min Scan# 3700
 Delta R.T. -0.00 min
 Lab File: VU037134.D
 Acq: 09 Mar 2020 14:48

Tgt Ion: 77 Resp: 16285
 Ion Ratio Lower Upper
 77 100
 123 39.8 19.6 69.6
 65 14.4 12.7 16.1



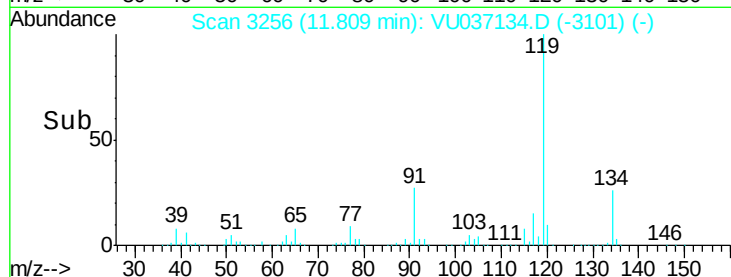
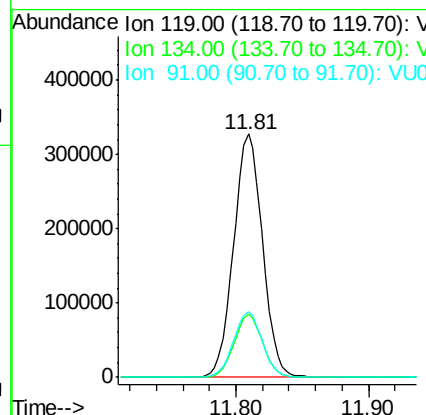
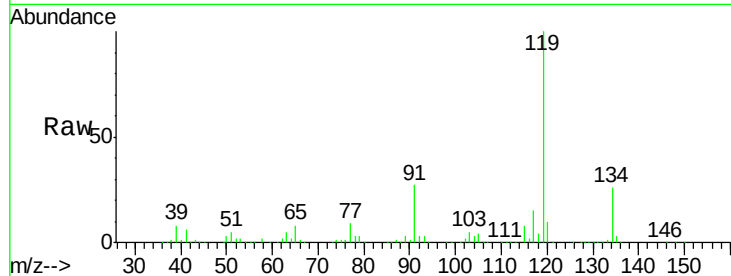


#81
 p-Isopropyltoluene
 Concen: 22.659 ug/l
 RT: 11.81 min Scan# 3256
 Delta R.T. -0.00 min
 Lab File: VU037134.D
 Acq: 09 Mar 2020 14:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

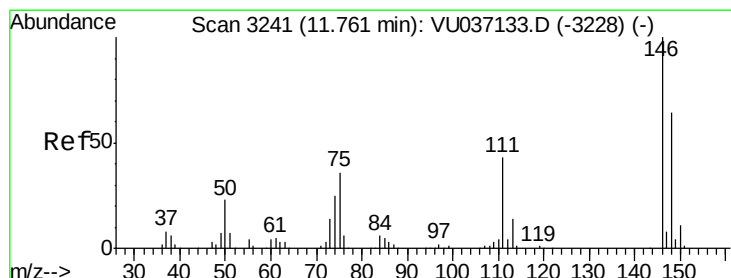
Tot Ion:	119	Resp:	495834
Ion Ratio	Lower	Upper	
119	100		
134	25.5	21.4	32.0
91	26.9	18.3	27.5

Manual Integrations
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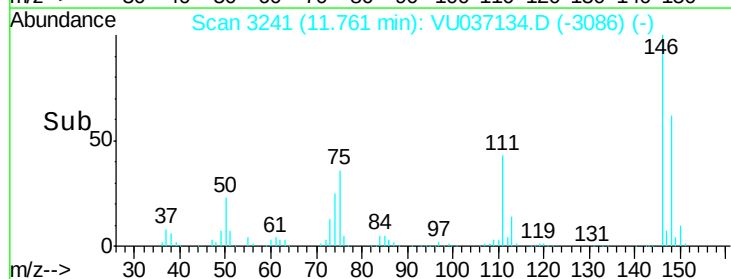
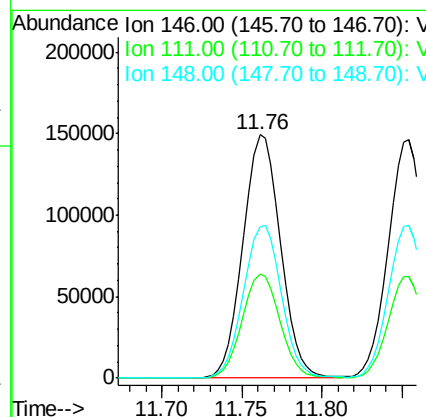
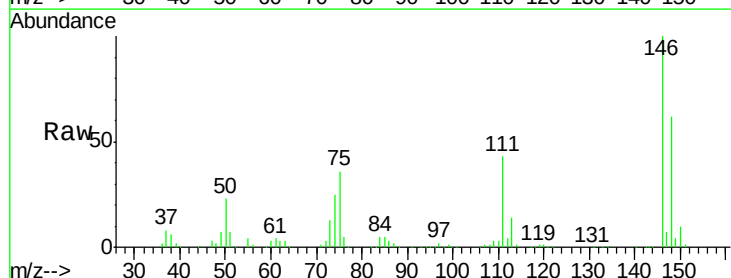
sam

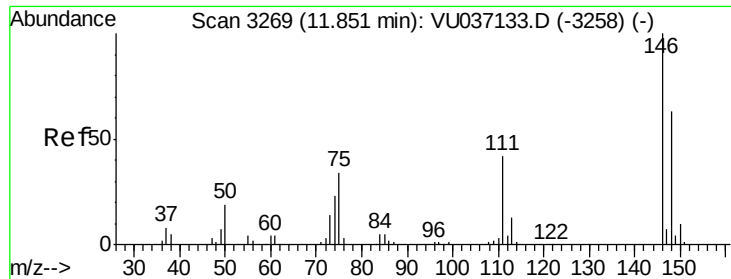
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#82
 1,3-Dichlorobenzene
 Concen: 21.385 ug/l
 RT: 11.76 min Scan# 3241
 Delta R.T. -0.00 min
 Lab File: VU037134.D
 Acq: 09 Mar 2020 14:48

Tgt Ion:	146	Resp:	239347
Ion Ratio	Lower	Upper	
146	100		
111	43.1	32.2	48.2
148	63.5	51.4	77.2



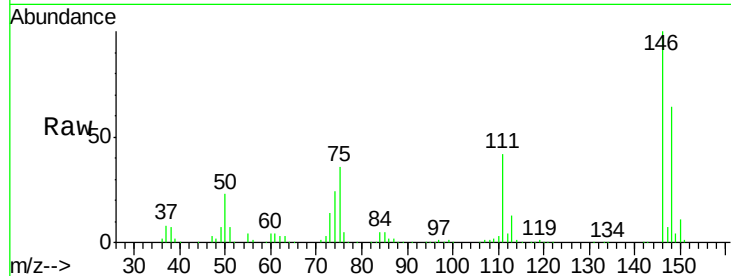


#83
 1,4-Dichlorobenzene
 Concen: 21.338 ug/l
 RT: 11.85 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU037134.D
 Acq: 09 Mar 2020 14:48

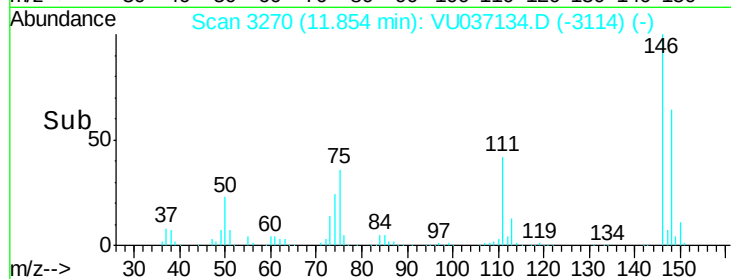
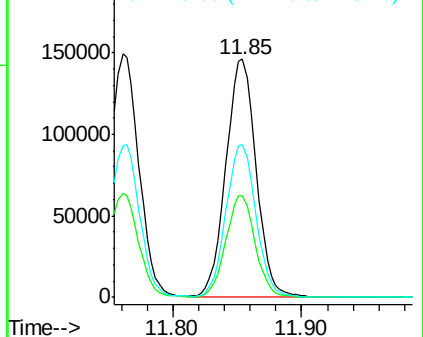
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	30.5	45.7
148	63.8	51.0	76.4

Manual Integrations
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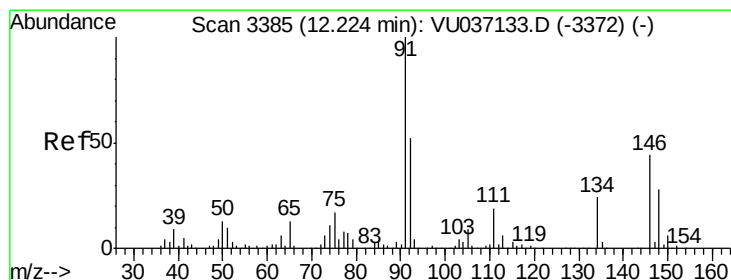


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V



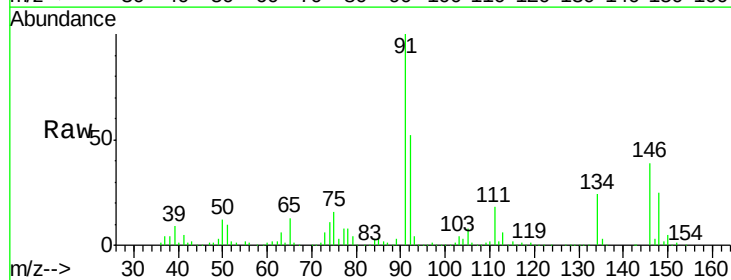
sam

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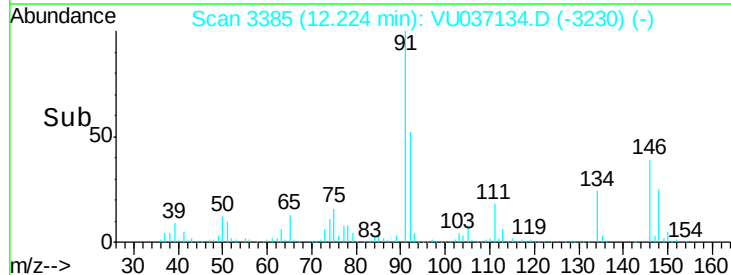
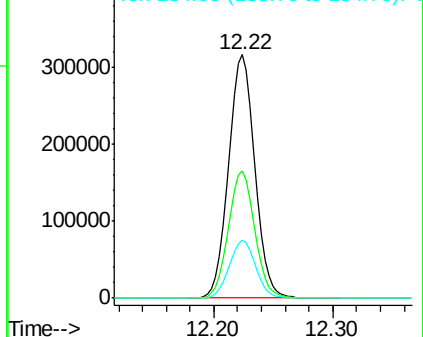


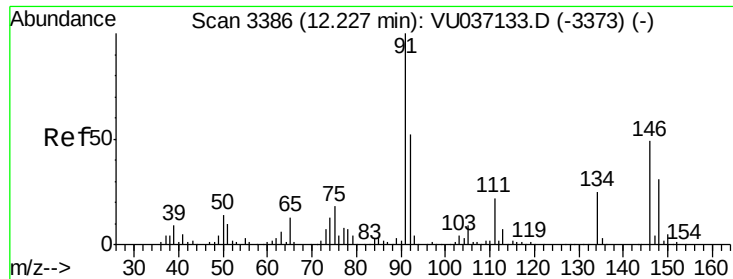
#84
 n-Butylbenzene
 Concen: 23.857 ug/l
 RT: 12.22 min Scan# 3385
 Delta R.T. -0.00 min
 Lab File: VU037134.D
 Acq: 09 Mar 2020 14:48

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.2	42.9	64.3
134	23.9	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



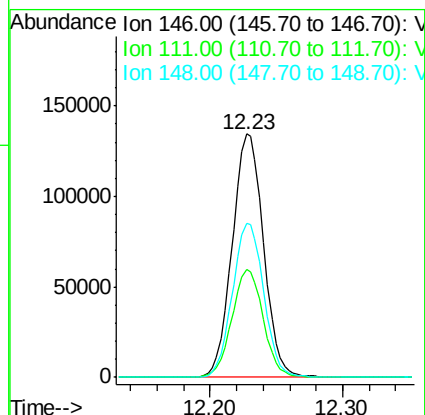
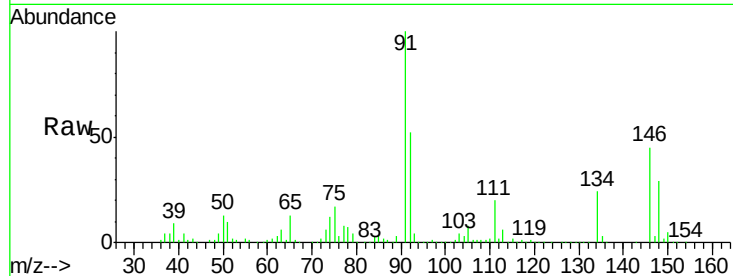


#85
 1,2-Dichlorobenzene
 Concen: 20.546 ug/l
 RT: 12.23 min Scan# 3386
 Delta R.T. -0.00 min
 Lab File: VU037134.D
 Acq: 09 Mar 2020 14:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

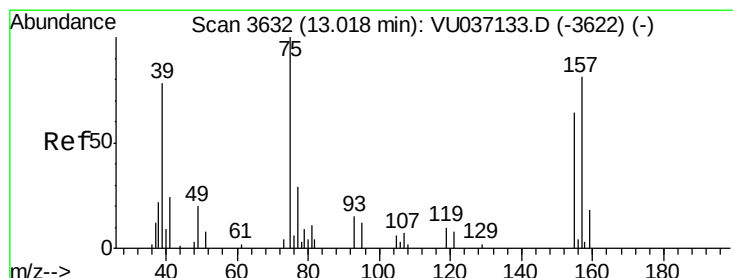
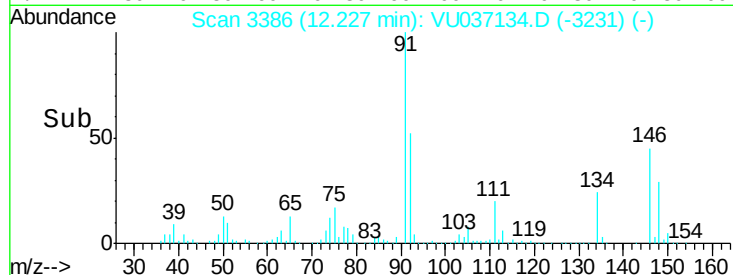
Tot Ion	Ratio	Lower	Upper
146	100		
111	44.3	20.8	62.4
148	63.5	32.0	96.2

Manual Integrations
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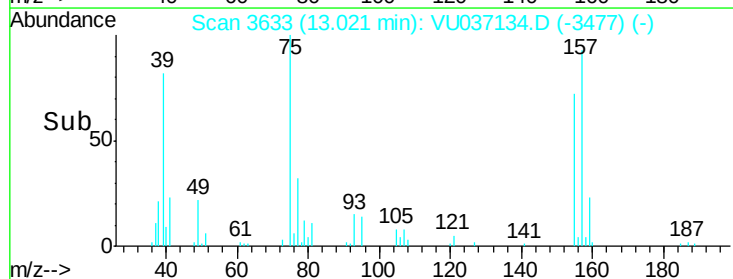
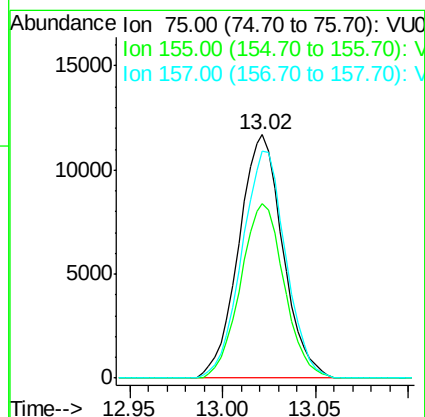
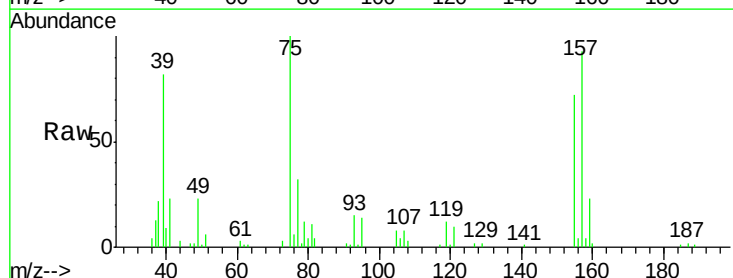
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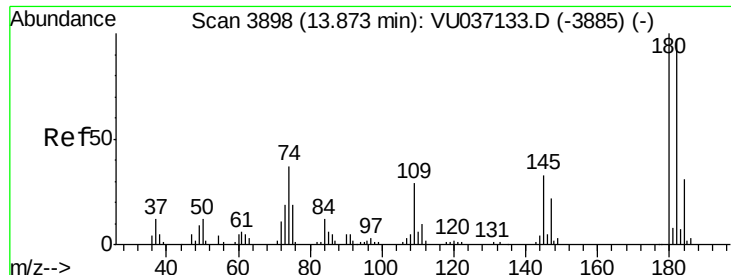
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#86
 1,2-Dibromo-3-Chloropropane
 Concen: 25.133 ug/l
 RT: 13.02 min Scan# 3633
 Delta R.T. 0.00 min
 Lab File: VU037134.D
 Acq: 09 Mar 2020 14:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	70.9	71.8	107.8#
157	92.8	92.4	138.6



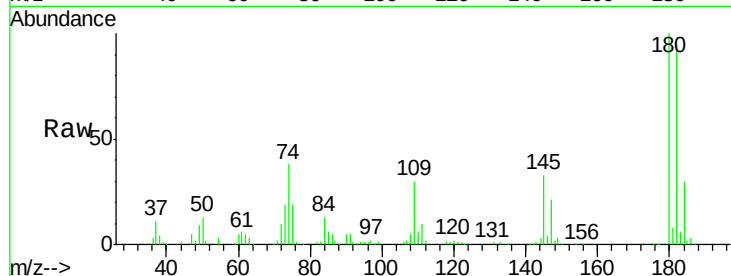


#87
 1,2,4-Trichlorobenzene
 Concen: 20.342 ug/l
 RT: 13.87 min Scan# 3898
 Delta R.T. -0.00 min
 Lab File: VU037134.D
 Acq: 09 Mar 2020 14:48

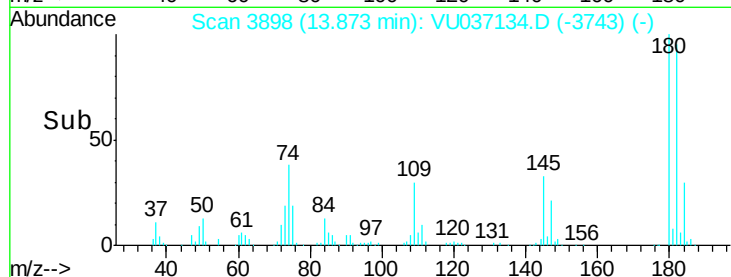
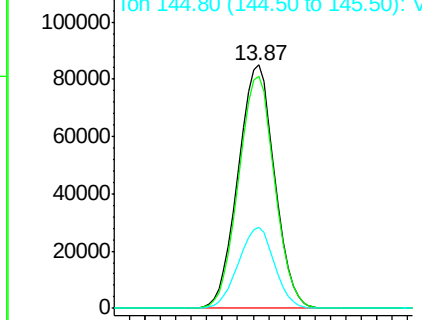
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.5	75.9	113.9	
145	32.9	23.4	35.2	

Manual Integrations
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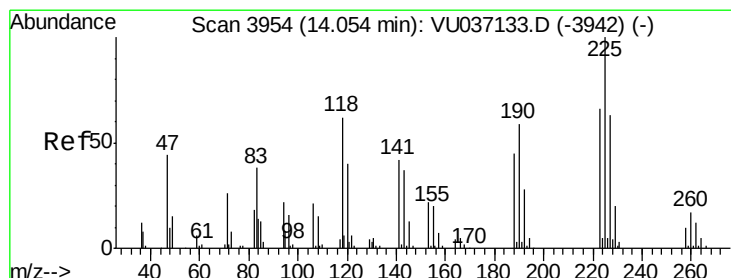


Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V



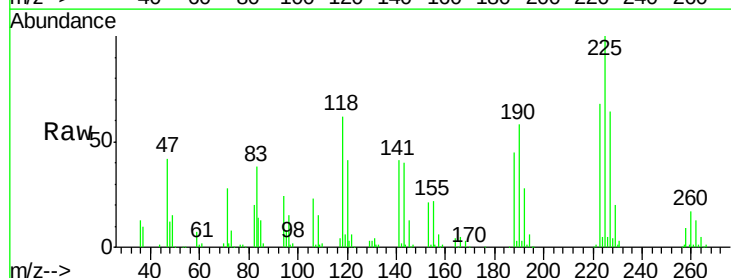
sam

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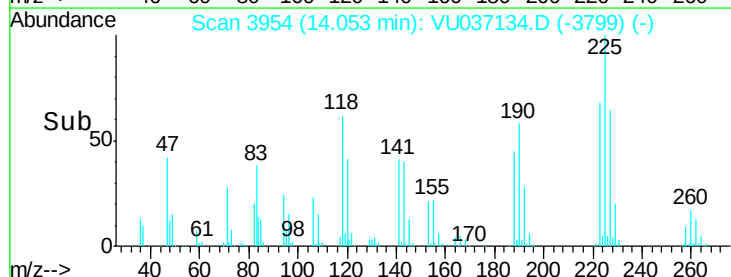
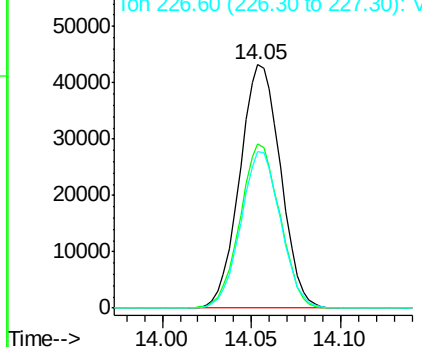


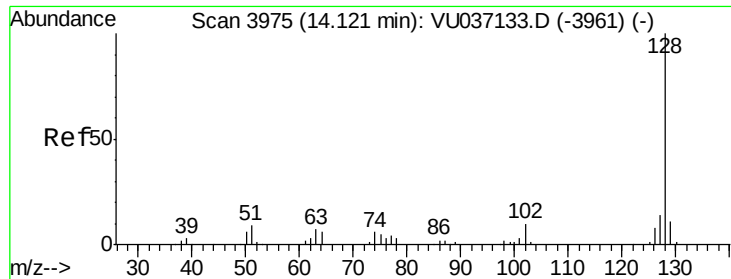
#88
 Hexachlorobutadiene
 Concen: 18.387 ug/l
 RT: 14.05 min Scan# 3954
 Delta R.T. -0.00 min
 Lab File: VU037134.D
 Acq: 09 Mar 2020 14:48

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	65.9	51.7	77.5	
227	62.9	50.6	75.8	



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



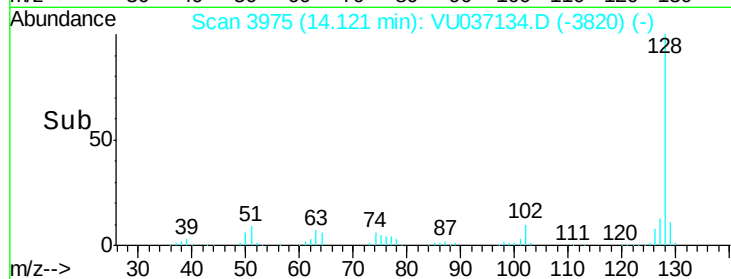
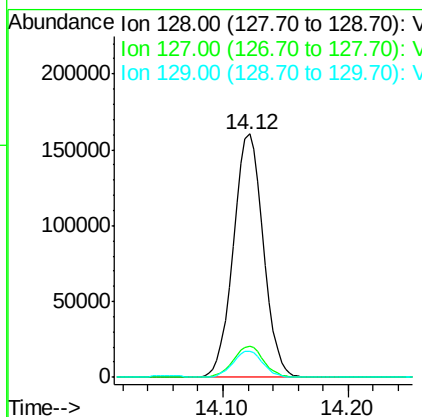
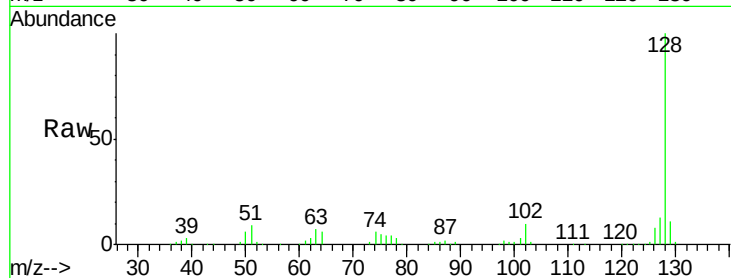


#89
Naphthalene
Concen: 22.497 ug/l
RT: 14.12 min Scan# 3975
Delta R.T. -0.00 min
Lab File: VU037134.D
Acq: 09 Mar 2020 14:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

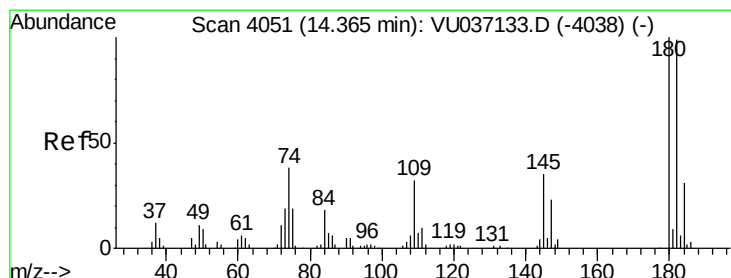
Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	10.9	8.7	13.1

Manual Integrations
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#90
1,2,3-Trichlorobenzene
Concen: 19.561 ug/l
RT: 14.37 min Scan# 4051
Delta R.T. -0.00 min
Lab File: VU037134.D
Acq: 09 Mar 2020 14:48

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.6	76.2	114.4
145	34.3	25.2	37.8

