

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU030920\
 Data File : VU037141.D
 Acq On : 09 Mar 2020 19:25
 Operator : JC/MD
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Quant Time: Mar 09 20:06:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U030920DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Mar 09 18:12:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	6.15	96	16293	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.65	95	7024	1.11	ug/l	0.00
Spiked Amount	1.000		Recovery	=	111.00%	
68) 1,2-Dichlorobenzene-d4	12.21	152	6873	1.07	ug/l	0.00
Spiked Amount	1.000		Recovery	=	107.00%	

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Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	83097	10.447	ug/l	98
3) Chloromethane	1.54	50	82639	10.451	ug/l	98
4) Vinyl Chloride	1.62	62	72382	10.414	ug/l	99
5) Bromomethane	1.87	94	26285	10.843	ug/l	100
6) Chloroethane	1.95	64	33227	9.978	ug/l	99
7) Trichlorofluoromethane	2.16	101	88072	10.427	ug/l	96
8) 1,1,2-Trichloro-1,2,2-trif	2.60	101	41298	10.422	ug/l	95
9) 1,1-Dichloroethene	2.60	96	38282	10.160	ug/l	78
10) Iodomethane	2.75	142	22292	13.616	ug/l #	73
11) Allyl Chloride	2.95	41	74261	10.166	ug/l #	63
12) Acrylonitrile	3.35	53	18173	20.392	ug/l #	89
13) Acetone	2.66	43	47723	48.178	ug/l #	78
14) Carbon Disulfide	2.82	76	126843	10.108	ug/l	98
15) Methylene Chloride	3.07	84	48887	10.335	ug/l #	77
16) trans-1,2-Dichloroethene	3.38	96	41289	10.318	ug/l	87
17) 1,1-Dichloroethane	3.91	63	94476	10.185	ug/l	97
18) 2-Butanone	4.76	43	76881	50.779	ug/l	96
19) Cyclohexane	5.42	56	84559m	10.704	ug/l	
20) Methylcyclohexane	6.79	83	83492	10.700	ug/l	89
21) 2,2-Dichloropropane	4.71	77	81838	9.669	ug/l	95
22) cis-1,2-Dichloroethene	4.71	96	53457	10.786	ug/l	85
23) Diethyl Ether	2.40	59	32392	10.149	ug/l #	88
24) tert-Butyl Alcohol	3.24	59	37534	107.559	ug/l	98
25) Methyl tert-Butyl Ether	3.41	73	115369	10.450	ug/l #	72
26) Bromochloromethane	5.02	128	23043	10.564	ug/l	81
27) Chloroform	5.13	83	101120	10.123	ug/l	99
28) 1,1,1-Trichloroethane	5.35	97	88790	10.427	ug/l	97
29) 1,1-Dichloropropene	5.56	75	72492	10.476	ug/l	98
30) Carbon Tetrachloride	5.56	117	79262	10.636	ug/l	98
31) Isopropyl Ether	4.05	45	154668	10.445	ug/l	85
32) Ethyl-t-butyl ether	4.56	59	146988	10.514	ug/l	95
33) Tert-Amyl methyl ether	5.98	73	129299	10.777	ug/l	99
34) Propionitrile	4.83	54	21727	54.560	ug/l #	93
35) Benzene	5.81	78	204716	10.413	ug/l	100
36) 1,2-Dichloroethane	5.83	62	73439	10.305	ug/l #	93
37) Trichloroethene	6.57	130	51915	10.065	ug/l	93
38) 1,2-Dichloropropane	6.83	63	56027	10.383	ug/l	99
39) Methacrylonitrile	5.02	41	20171	10.498	ug/l #	84
40) Methyl acrylate	4.89	55	29164	10.977	ug/l #	95
41) Tetrahydrofuran	5.11	42	19948	20.810	ug/l #	85
42) 1-Chlorobutane	5.49	56	106639	10.699	ug/l	84

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 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

43) Dibromomethane	6.95	93	29676	10.730	ug/l	90
44) Bromodichloromethane	7.14	83	76745	10.658	ug/l	99
45) 4-Methyl-2-Pentanone	7.83	43	195625	52.746	ug/l #	87
46) t-1,4-Dichloro-2-butene	10.86	75	22289m	21.957	ug/l	
47) Methyl methacrylate	7.00	69	52703	23.056	ug/l #	67
48) Ethyl methacrylate	8.36	69	49976	11.066	ug/l	72
49) Toluene	8.00	92	131198	11.052	ug/l	99sam
50) t-1,3-Dichloropropene	8.24	75	70128	10.811	ug/l	98
51) cis-1,3-Dichloropropene	7.64	75	77615	10.477	ug/l #	79
52) 1,1,2-Trichloroethane	8.43	97	39192	10.622	ug/l	98
53) 1,3-Dichloropropane	8.60	76	68741	10.503	ug/l	99
54) 2-Hexanone	8.71	43	140309	54.915	ug/l	863/10/2020 3:06:47 PM
55) Dibromochloromethane	8.83	129	49128	10.756	ug/l	98
56) 1,2-Dibromoethane	8.95	107	38833	11.113	ug/l	96
58) Tetrachloroethene	8.58	164	51110	10.557	ug/l	95
59) Chlorobenzene	9.47	112	138152	10.427	ug/l	97
60) 1,1,1,2-Tetrachloroethane	9.56	131	50203	10.351	ug/l	95
61) Pentachloroethane	11.45	117	39294	10.620	ug/l	91
62) Hexachloroethane	12.49	117	43431	10.965	ug/l	82
63) Ethyl Benzene	9.59	91	251793	11.133	ug/l	96
64) m/p-Xylenes	9.72	106	193714	22.625	ug/l	90
65) o-Xylene	10.12	106	92453	11.191	ug/l	91
66) Styrene	10.13	104	158245	11.703	ug/l	95
67) Bromoform	10.31	173	27022	11.209	ug/l #	98
69) Isopropylbenzene	10.50	105	250660	11.131	ug/l	96
70) 1,1,2,2-Tetrachloroethane	10.80	83	51585	10.629	ug/l	98
71) 1,2,3-Trichloropropane	10.85	75	40309m	10.159	ug/l	
72) Bromobenzene	10.80	156	56960	10.453	ug/l	88
73) n-propylbenzene	10.92	120	68660	11.502	ug/l	79
74) 2-Chlorotoluene	11.01	126	60326	11.165	ug/l	86
75) 1,3,5-Trimethylbenzene	11.10	105	226380	11.611	ug/l	93
76) 4-Chlorotoluene	11.11	126	61920	11.384	ug/l	77
77) tert-Butylbenzene	11.44	119	210415	11.071	ug/l	93
78) 1,2,4-Trimethylbenzene	11.48	105	234651	11.923	ug/l	94
79) sec-Butylbenzene	11.66	105	292582	11.314	ug/l	98
80) Nitrobenzene	13.24	77	5849	55.059	ug/l	94
81) p-Isopropyltoluene	11.81	119	238421	11.697	ug/l	95
82) 1,3-Dichlorobenzene	11.76	146	116891	10.827	ug/l	98
83) 1,4-Dichlorobenzene	11.85	146	118122	10.799	ug/l	98
84) n-Butylbenzene	12.22	91	230362	11.931	ug/l	96
85) 1,2-Dichlorobenzene	12.23	146	110753	10.602	ug/l	97
86) 1,2-Dibromo-3-Chloropropan	13.02	75	9377	10.948	ug/l #	77
87) 1,2,4-Trichlorobenzene	13.87	180	64146	12.216	ug/l	97
88) Hexachlorobutadiene	14.05	225	33641	10.353	ug/l	96
89) Naphthalene	14.12	128	114300	12.819	ug/l	99
90) 1,2,3-Trichlorobenzene	14.37	180	61564	12.047	ug/l	97

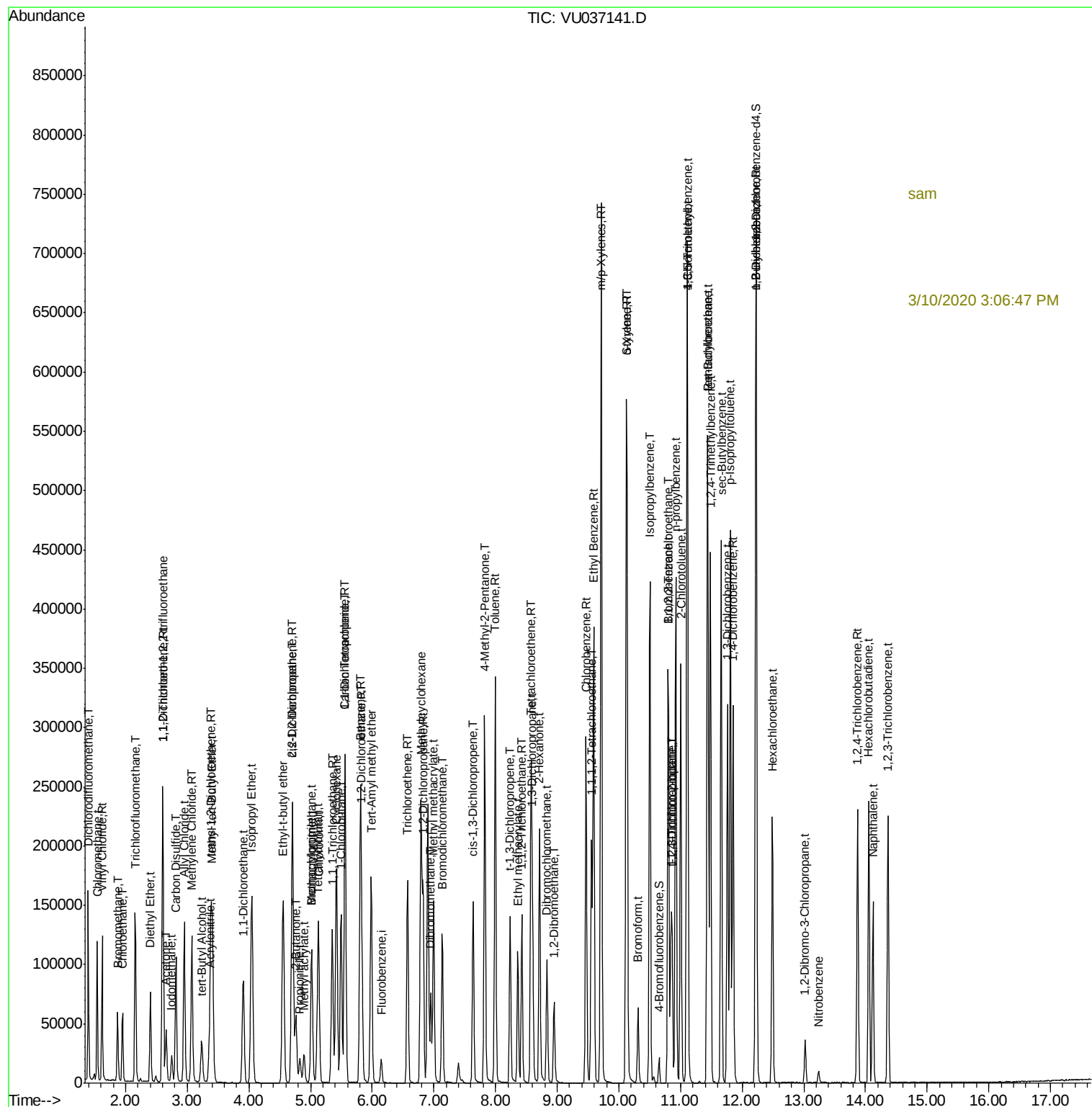
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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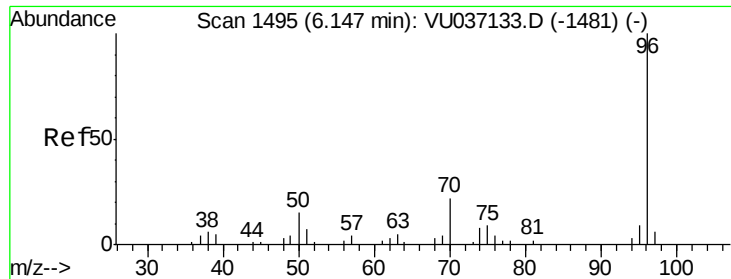
Manual Integrations
APPROVED

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#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.15 min Scan# 1495

Delta R.T. -0.00 min

Lab File: VU037141.D

Acq: 09 Mar 2020 19:25

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 96 Resp: 16293

Ion Ratio Lower Upper

96 100

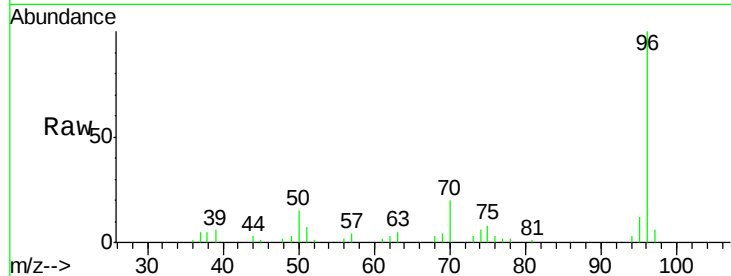
70 20.9 15.6 23.4

95 10.2 7.0 10.6

97 0.0 0.0 0.0

Manual Integrations

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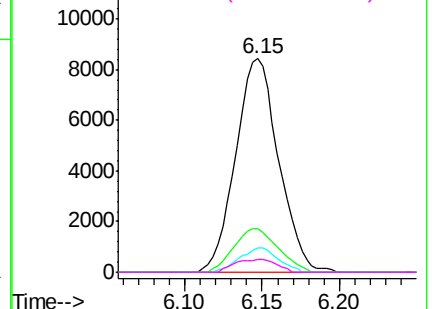
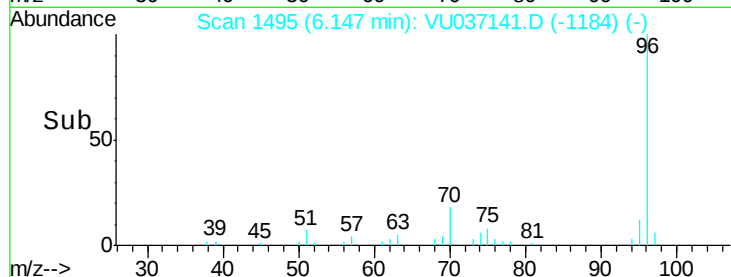


Abundance Ion 96.00 (95.70 to 96.70): VU037133.D (-1481) (-)

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

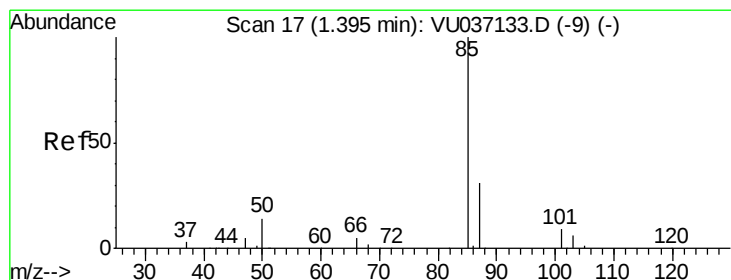
Ion 95.00 (94.70 to 95.70): VU037133.D (-1481) (-)

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



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#2

Dichlorodifluoromethane

Concen: 10.447 ug/l

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU037141.D

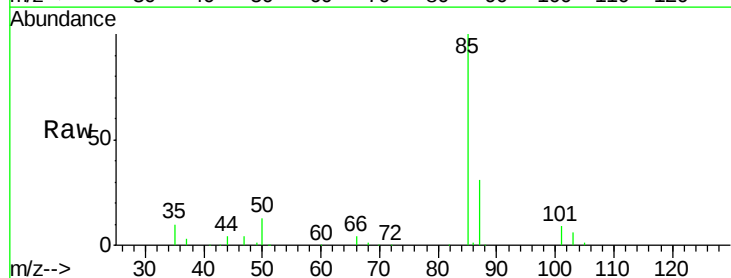
Acq: 09 Mar 2020 19:25

Tgt Ion: 85 Resp: 83097

Ion Ratio Lower Upper

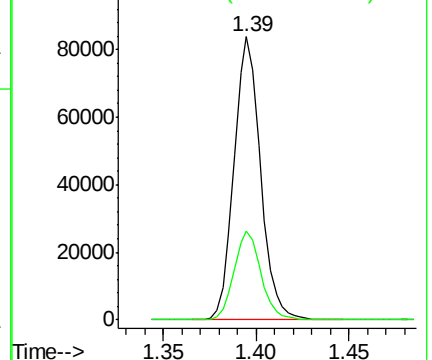
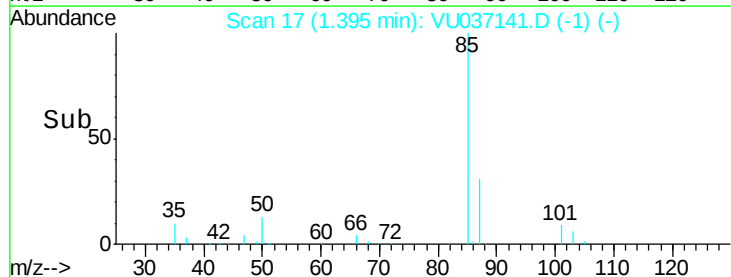
85 100

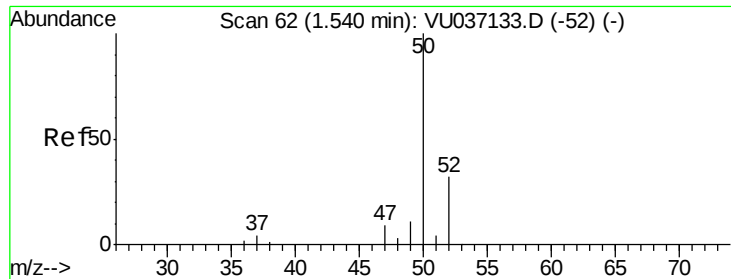
87 31.4 16.4 49.2



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: 10.451 ug/l

RT: 1.54 min Scan# 62

Delta R.T. -0.00 min

Lab File: VU037141.D

Acq: 09 Mar 2020 19:25

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 50 Resp: 82639

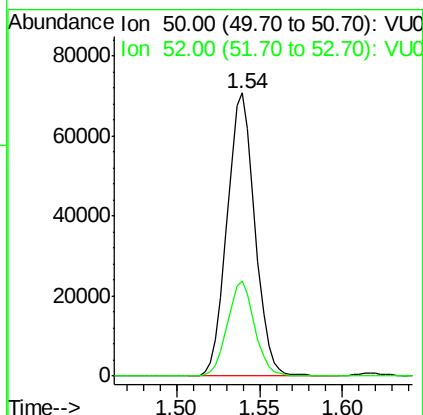
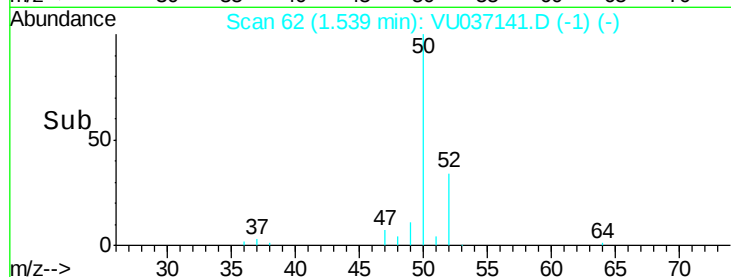
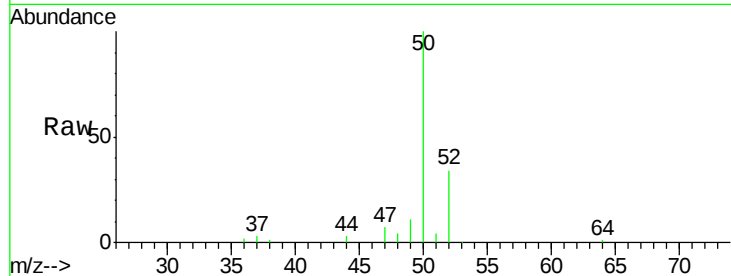
Ion Ratio Lower Upper

50 100

52 33.6 26.0 39.0

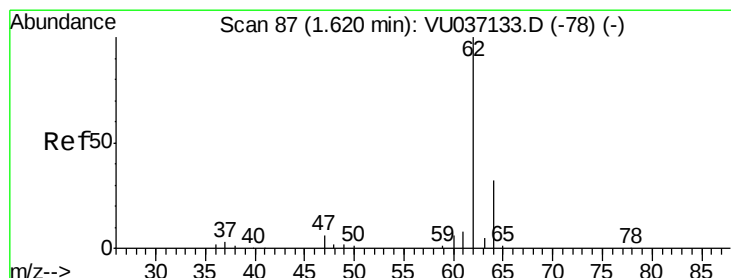
Manual Integrations

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#4

Vinyl Chloride

Concen: 10.414 ug/l

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU037141.D

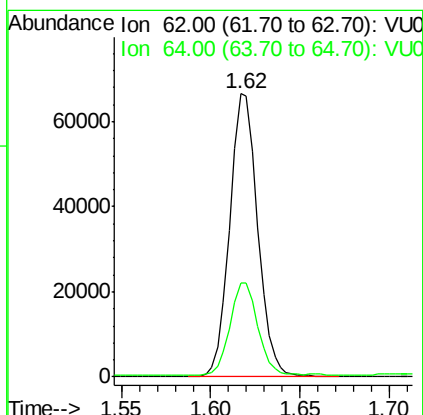
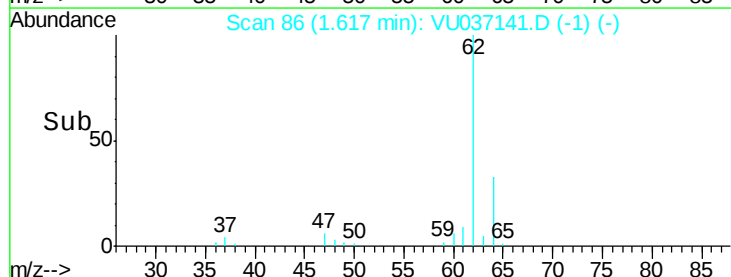
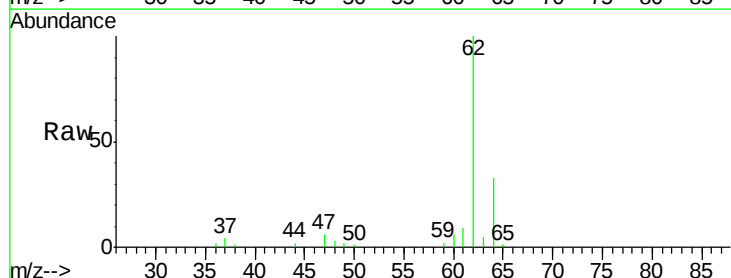
Acq: 09 Mar 2020 19:25

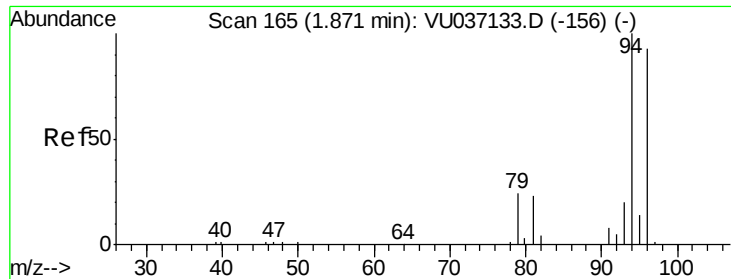
Tgt Ion: 62 Resp: 72382

Ion Ratio Lower Upper

62 100

64 32.5 25.4 38.2





#5

Bromomethane

Concen: 10.843 ug/l

RT: 1.87 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU037141.D

Acq: 09 Mar 2020 19:25

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 94 Resp: 26285

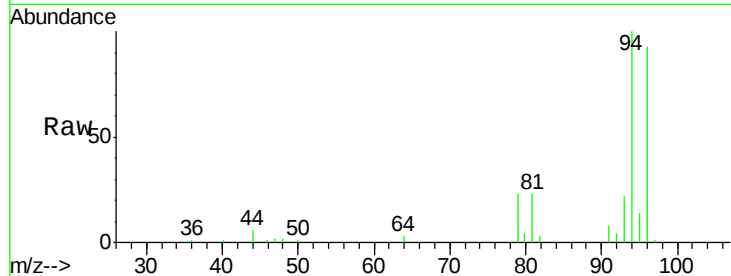
Ion Ratio Lower Upper

94 100

96 92.9 74.6 112.0

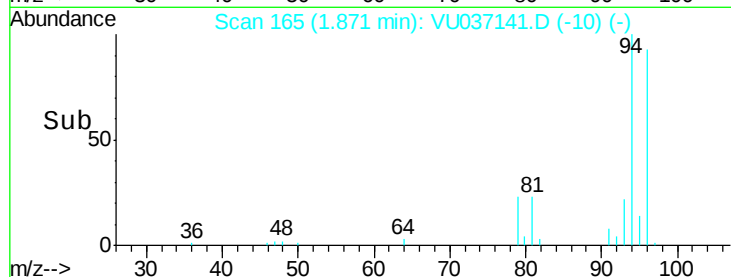
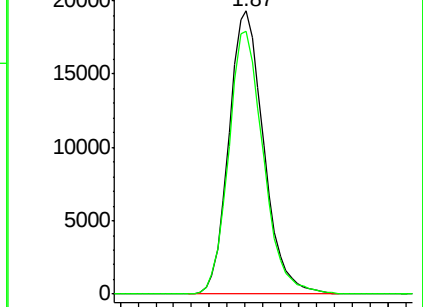
Manual Integrations

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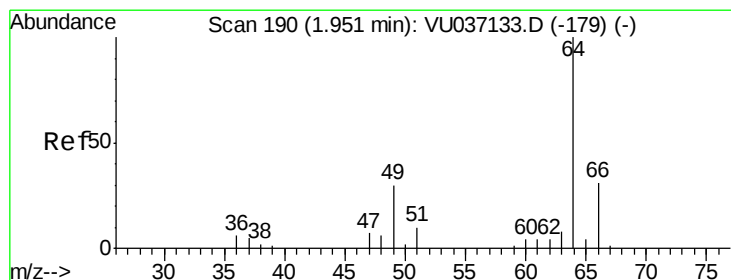
Abundance Ion 94.00 (93.70 to 94.70): VU037141.D (-10) (-)

Ion 96.00 (95.70 to 96.70): VU037141.D (-10) (-)



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#6

Chloroethane

Concen: 9.978 ug/l

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU037141.D

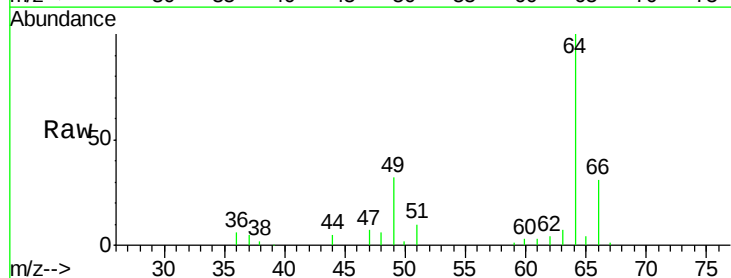
Acq: 09 Mar 2020 19:25

Tgt Ion: 64 Resp: 33227

Ion Ratio Lower Upper

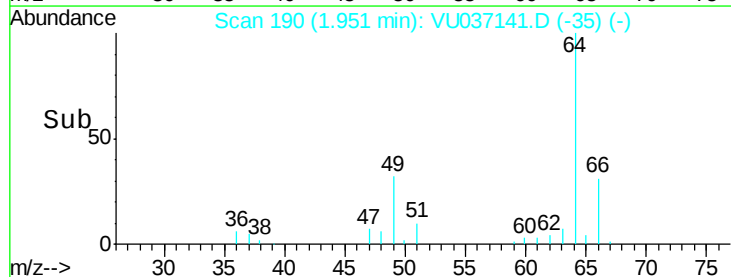
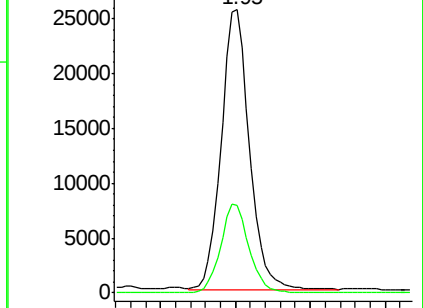
64 100

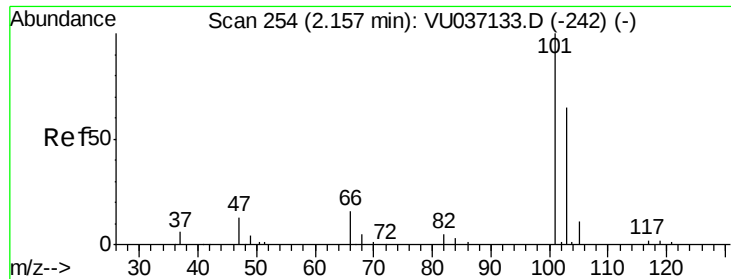
66 31.5 25.5 38.3



Abundance Ion 64.00 (63.70 to 64.70): VU037141.D (-35) (-)

Ion 66.00 (65.70 to 66.70): VU037141.D (-35) (-)





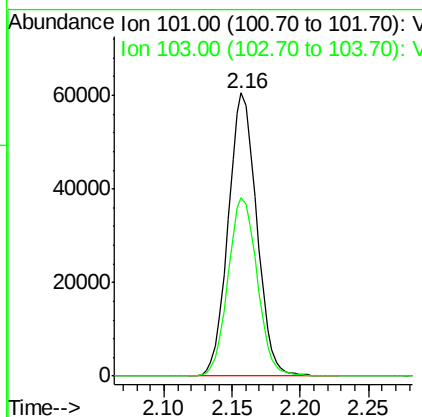
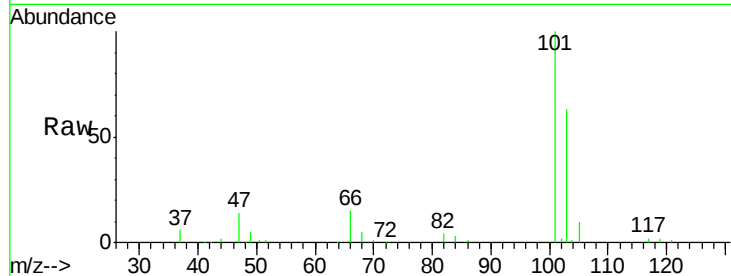
#7

Trichlorofluoromethane
Concen: 10.427 ug/l
RT: 2.16 min Scan# 254
Delta R.T. -0.00 min
Lab File: VU037141.D
Acq: 09 Mar 2020 19:25

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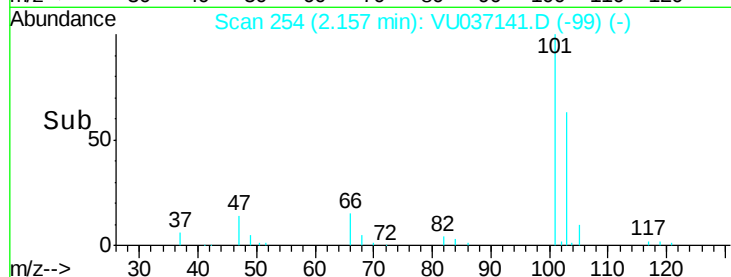
Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		88072		
103	63.1	53.0	79.6		

Manual Integrations
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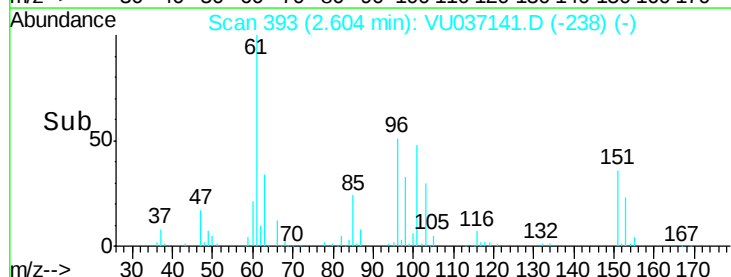
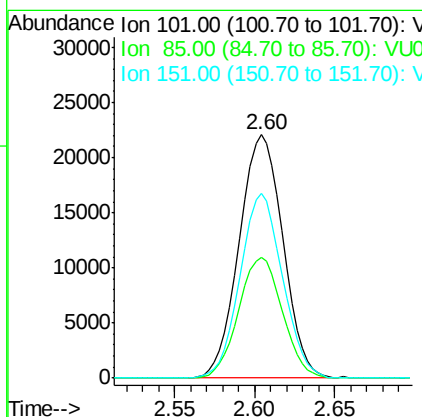
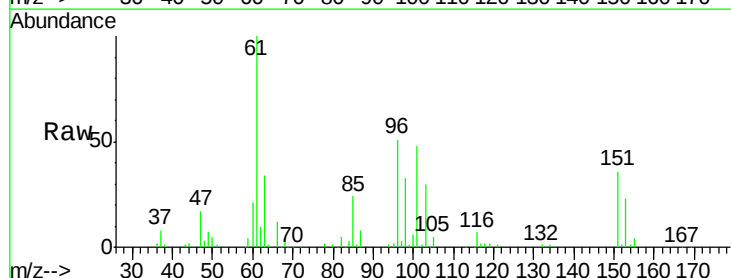
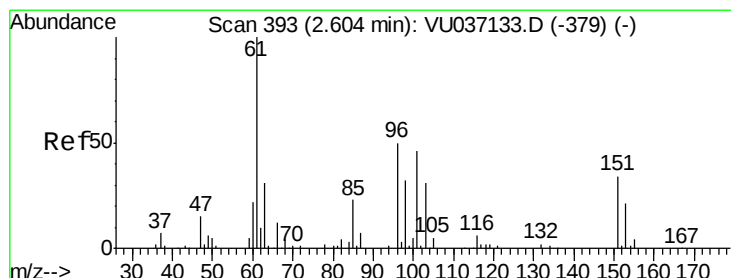
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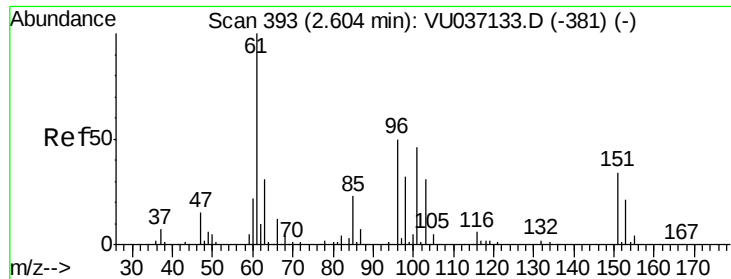


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 10.422 ug/l
RT: 2.60 min Scan# 393
Delta R.T. -0.00 min
Lab File: VU037141.D
Acq: 09 Mar 2020 19:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
101	100		41298		
85	49.3	33.9	50.9		
151	73.3	59.8	89.8		





#9

1,1-Dichloroethene

Concen: 10.160 ug/l

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037141.D

Acq: 09 Mar 2020 19:25

Instrument :

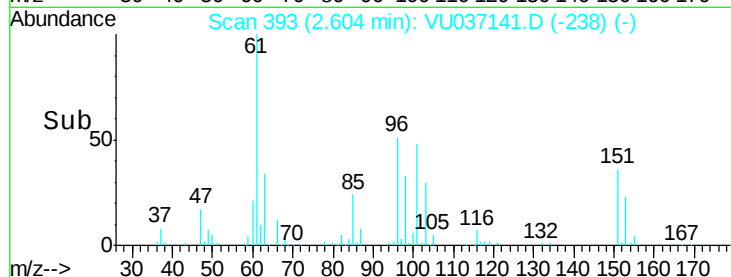
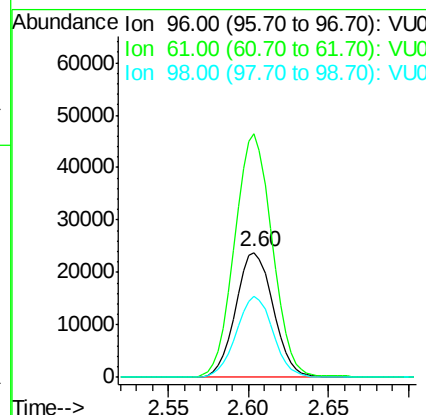
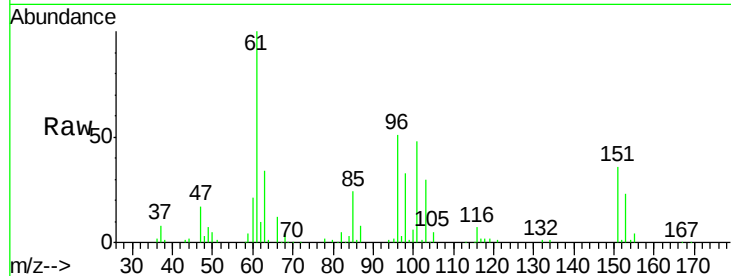
MSVOA_U

ClientSampleId :

VSTDCCC010EC

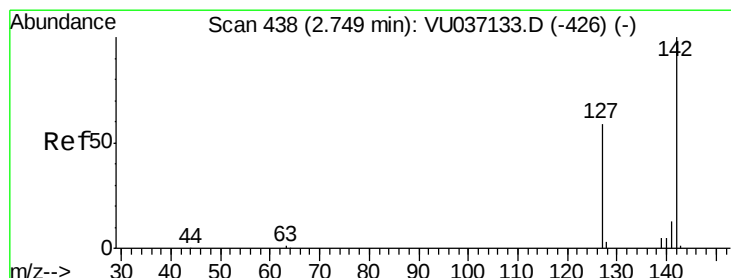
Tot Ion:	96	Resp:	38282
Ion	Ratio	Lower	Upper
96	100		
61	194.7	0.0	463.2
98	64.4	0.0	130.0

Manual Integrations
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#10

Iodomethane

Concen: 13.616 ug/l

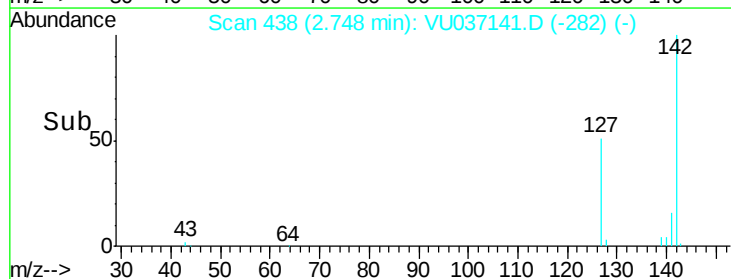
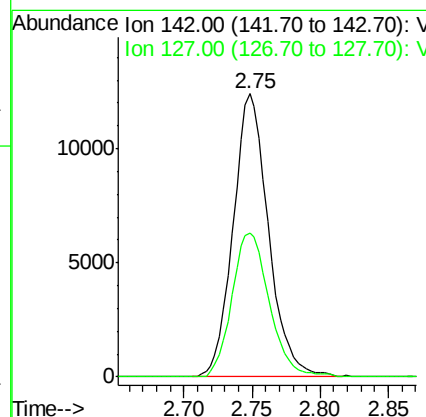
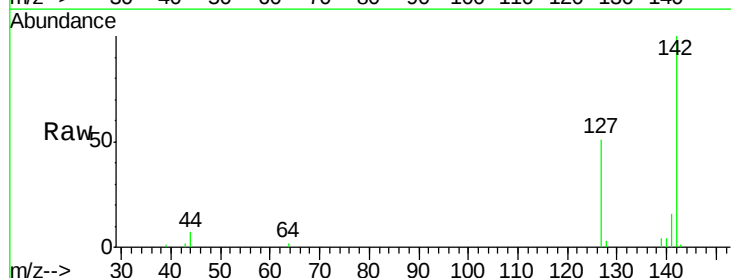
RT: 2.75 min Scan# 438

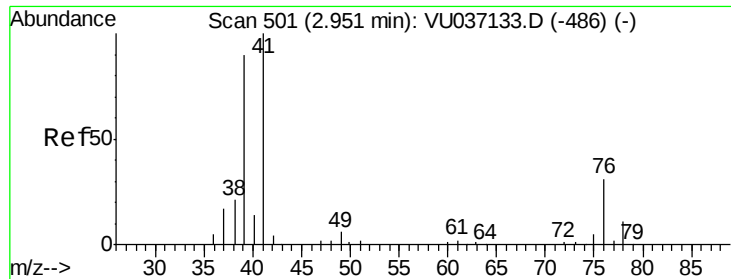
Delta R.T. 0.00 min

Lab File: VU037141.D

Acq: 09 Mar 2020 19:25

Tgt Ion:	142	Resp:	22292
Ion	Ratio	Lower	Upper
142	100		
127	53.9	30.3	45.5#



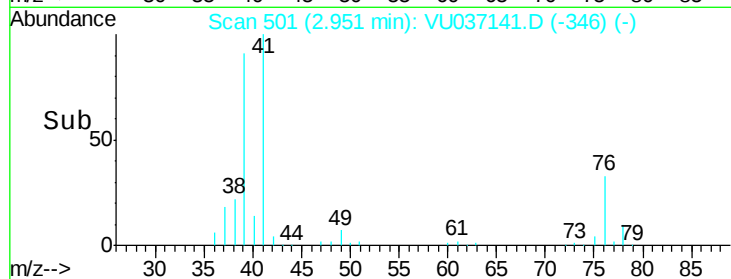
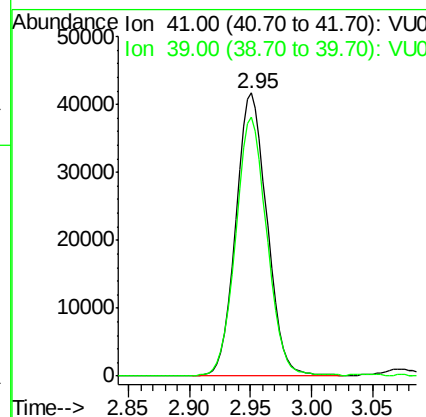
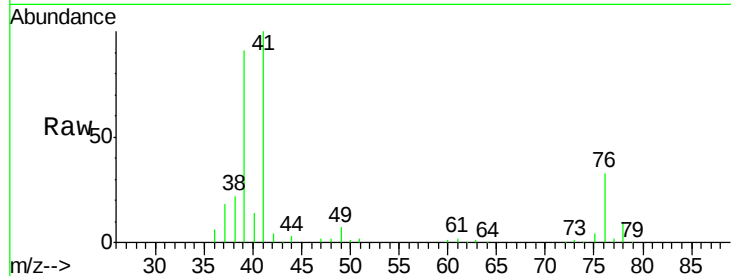


#11
Allvl Chloride
Concen: 10.166 ug/l
RT: 2.95 min Scan# 501
Delta R.T. -0.00 min
Lab File: VU037141.D
Acq: 09 Mar 2020 19:25

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

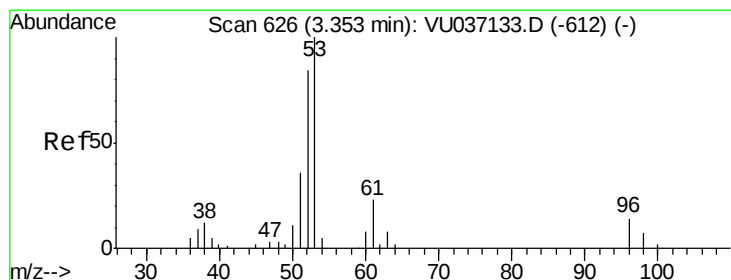
Tot Ion: 41 Resp: 74261
Ion Ratio Lower Upper
41 100
39 91.9 50.7 76.1#

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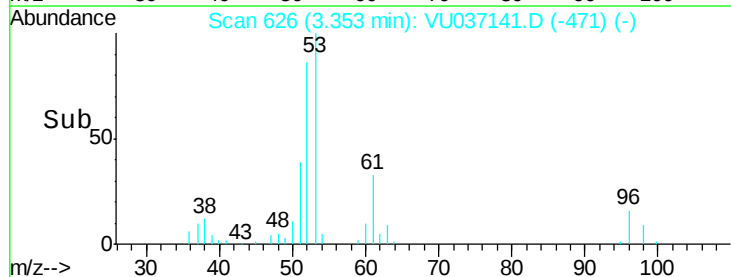
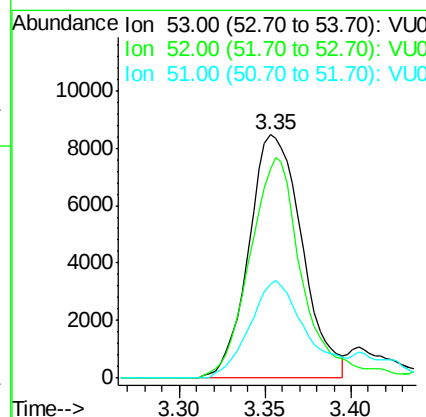
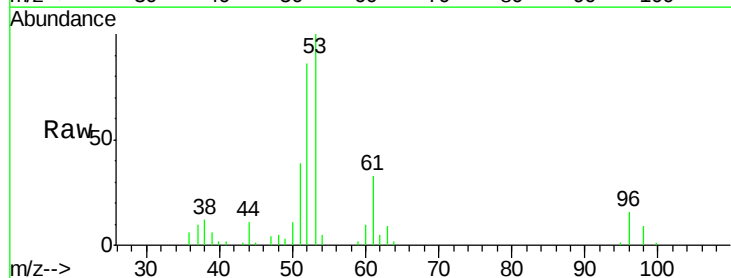
sam

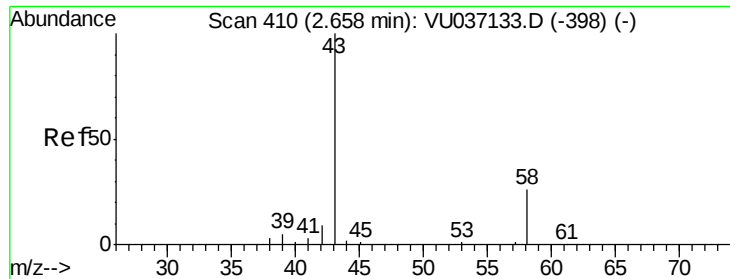
3/10/2020 3:06:47 PM



#12
Acrylonitrile
Concen: 20.392 ug/l
RT: 3.35 min Scan# 626
Delta R.T. -0.00 min
Lab File: VU037141.D
Acq: 09 Mar 2020 19:25

Tgt Ion: 53 Resp: 18173
Ion Ratio Lower Upper
53 100
52 89.1 64.6 97.0
51 42.5 27.2 40.8#





#13

Acetone

Concen: 48.178 ug/l

RT: 2.66 min Scan# 410

Delta R.T. -0.00 min

Lab File: VU037141.D

Acq: 09 Mar 2020 19:25

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 47723

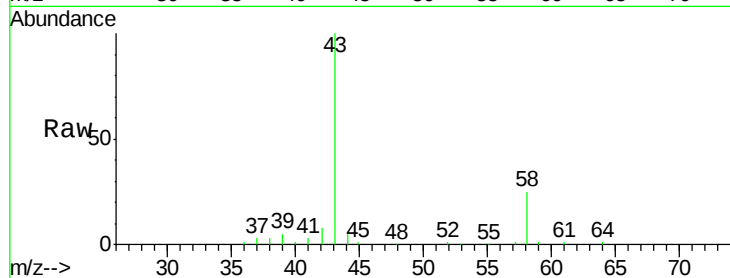
Ion Ratio Lower Upper

43 100

58 25.0 30.8 46.2#

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU037141.D (-255) (-)

Ion 58.00 (57.70 to 58.70): VU037141.D (-255) (-)

2.66

30000

25000

20000

15000

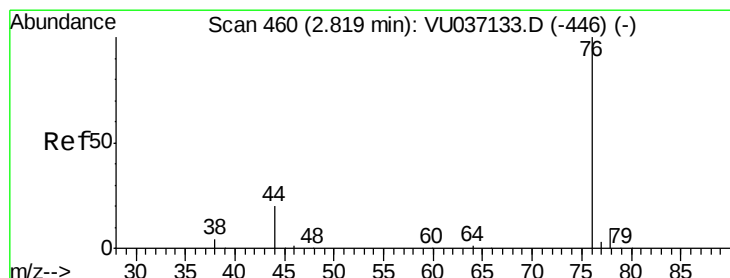
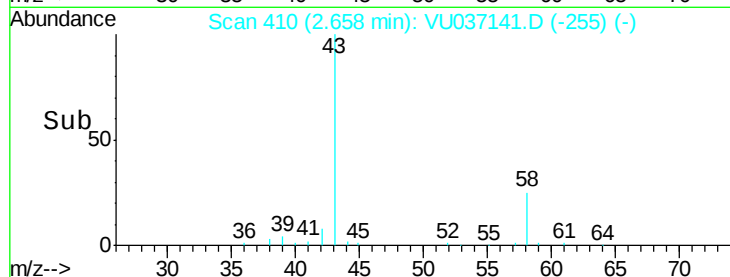
10000

5000

0

Time-->

2.60 2.65 2.70 2.75



#14

Carbon Disulfide

Concen: 10.108 ug/l

RT: 2.82 min Scan# 459

Delta R.T. -0.00 min

Lab File: VU037141.D

Acq: 09 Mar 2020 19:25

Tgt Ion: 76 Resp: 126843

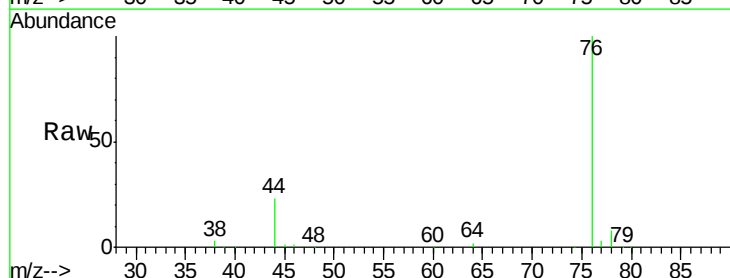
Ion Ratio Lower Upper

76 100

78 8.5 7.4 11.0

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Abundance Ion 76.00 (75.70 to 76.70): VU037141.D (-305) (-)

Ion 78.00 (77.70 to 78.70): VU037141.D (-305) (-)

2.82

80000

60000

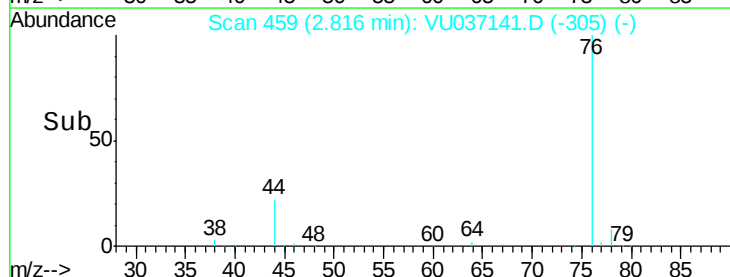
40000

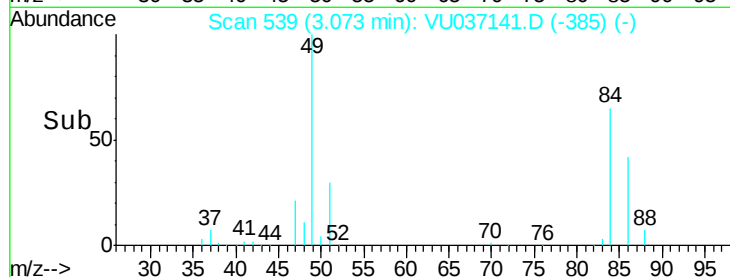
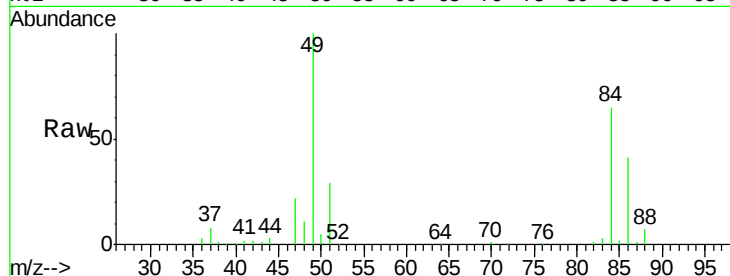
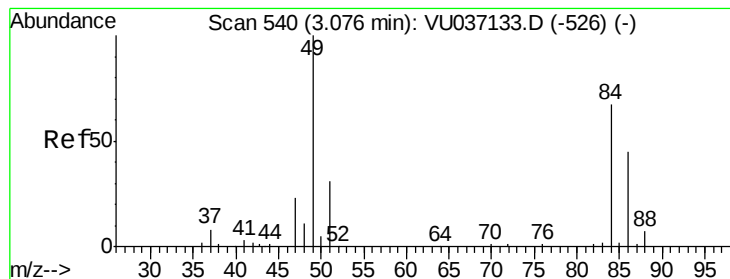
20000

0

Time-->

2.75 2.80 2.85 2.90





#15

Methvlene Chloride

Concen: 10.335 ug/l

RT: 3.07 min Scan# 539

Delta R.T. -0.00 min

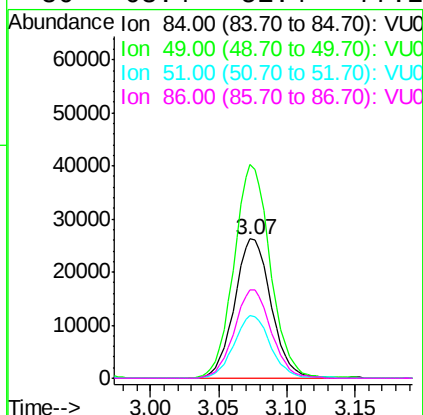
Lab File: VU037141.D

Acq: 09 Mar 2020 19:25

Tot Ion:	84	Resp:	48887
Ion	Ratio	Lower	Upper
84	100		
49	153.4	89.7	134.5#
51	45.2	0.0	71.6
86	63.4	51.4	77.2

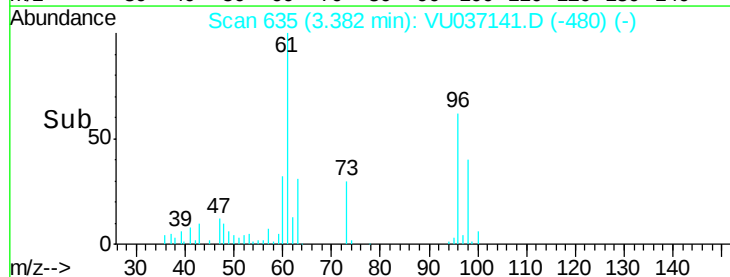
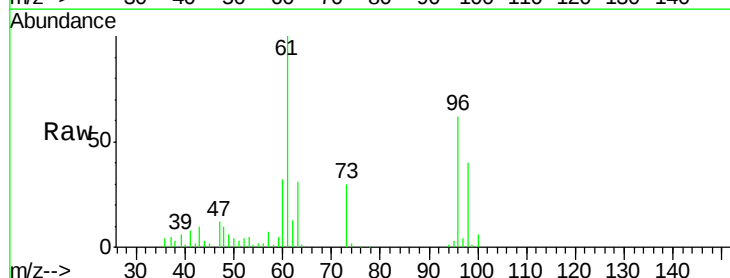
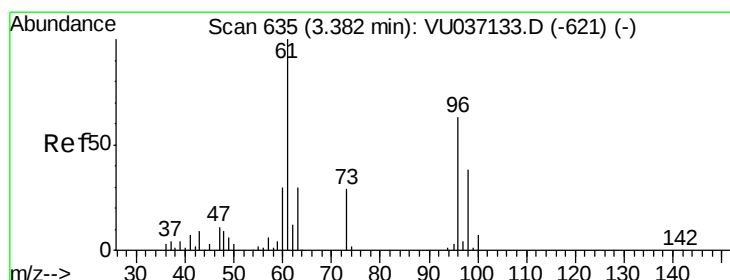
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Manual Integrations
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#16

trans-1,2-Dichloroethene

Concen: 10.318 ug/l

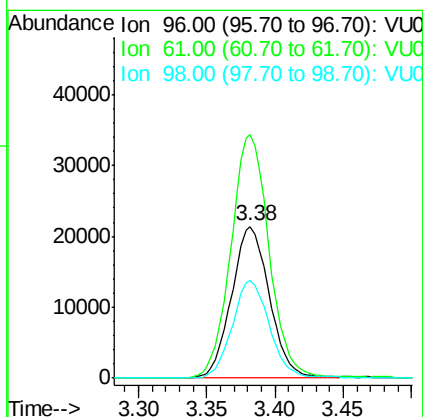
RT: 3.38 min Scan# 635

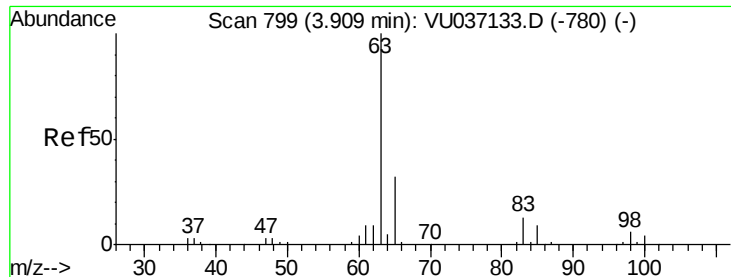
Delta R.T. -0.00 min

Lab File: VU037141.D

Acq: 09 Mar 2020 19:25

Tgt Ion:	96	Resp:	41289
Ion	Ratio	Lower	Upper
96	100		
61	160.4	110.8	166.2
98	64.4	50.3	75.5



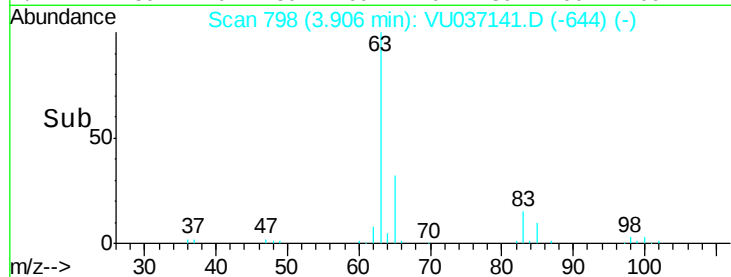
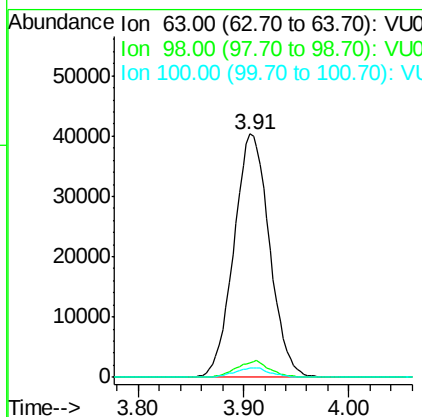
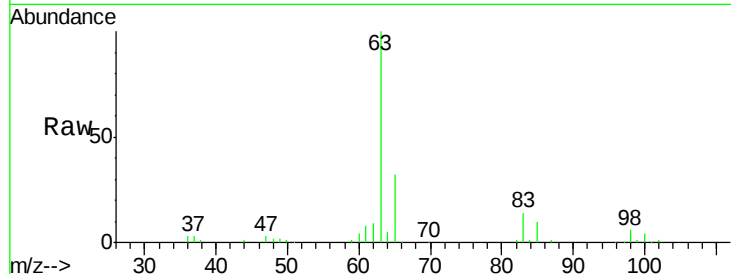


#17
 1,1-Dichloroethane
 Concen: 10.185 ug/l
 RT: 3.91 min Scan# 798
 Delta R.T. -0.00 min
 Lab File: VU037141.D
 Acq: 09 Mar 2020 19:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

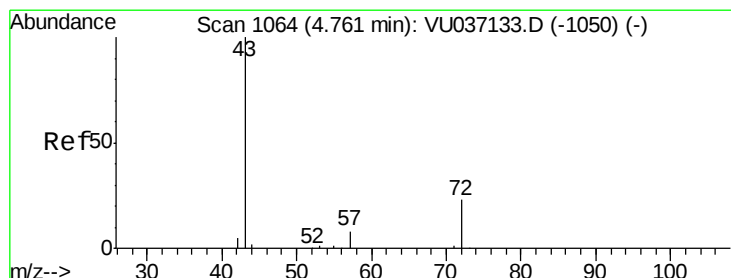
Tot Ion	Ratio	Lower	Upper
63	100		
98	6.0	3.5	10.5
100	3.8	2.4	7.1

Manual Integrations
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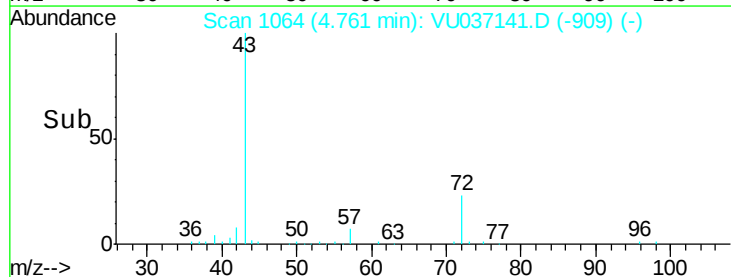
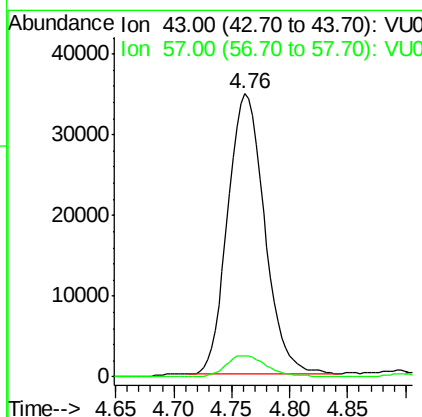
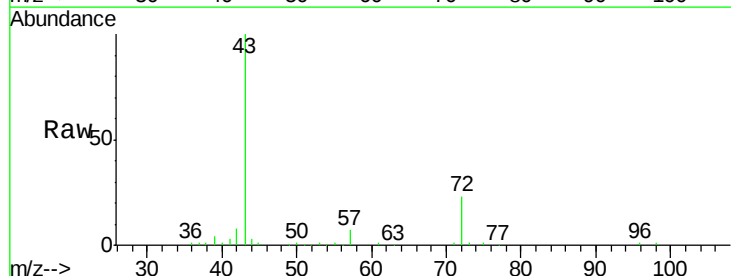
sam

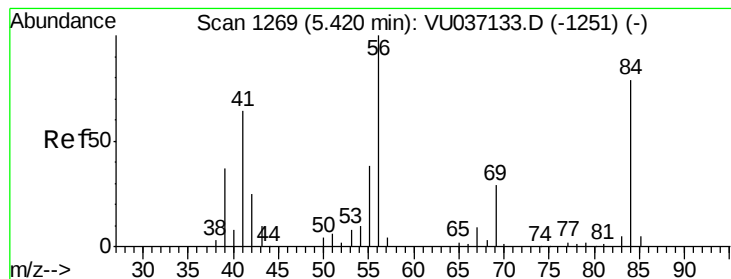
3/10/2020 3:06:47 PM



#18
 2-Butanone
 Concen: 50.779 ug/l
 RT: 4.76 min Scan# 1064
 Delta R.T. -0.00 min
 Lab File: VU037141.D
 Acq: 09 Mar 2020 19:25

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.6	0.0	17.8





#19

Cyclohexane

Concen: 10.704 ug/l m

RT: 5.42 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VU037141.D

Acq: 09 Mar 2020 19:25

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 56 Resp: 84559

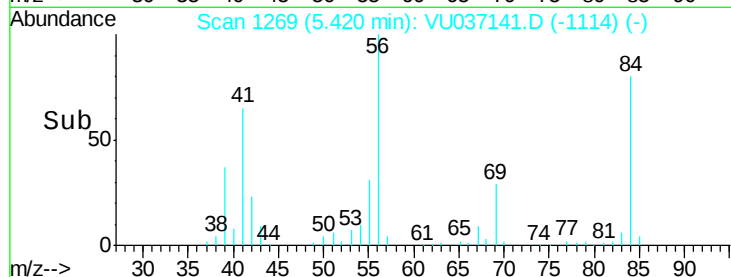
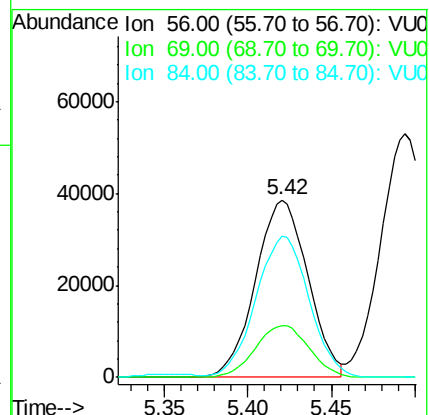
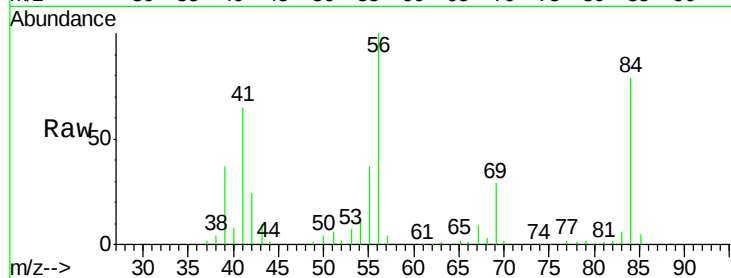
Ion Ratio Lower Upper

56 100

69 30.1 26.2 39.2

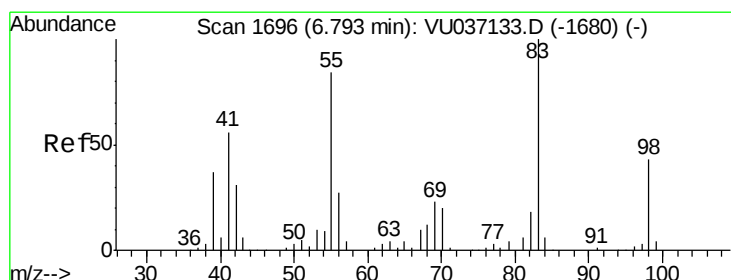
84 79.4 72.8 109.2

Manual Integrations
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#20

Methylcyclohexane

Concen: 10.700 ug/l

RT: 6.79 min Scan# 1695

Delta R.T. -0.00 min

Lab File: VU037141.D

Acq: 09 Mar 2020 19:25

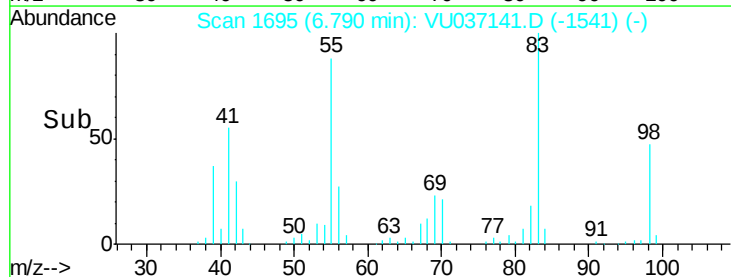
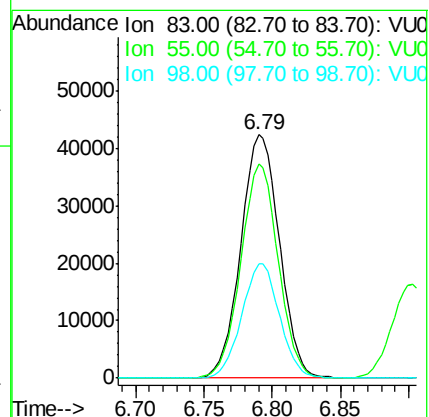
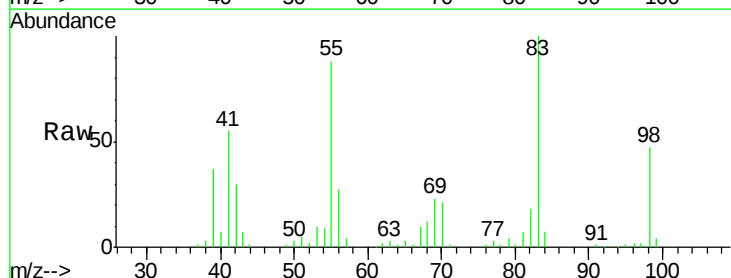
Tgt Ion: 83 Resp: 83492

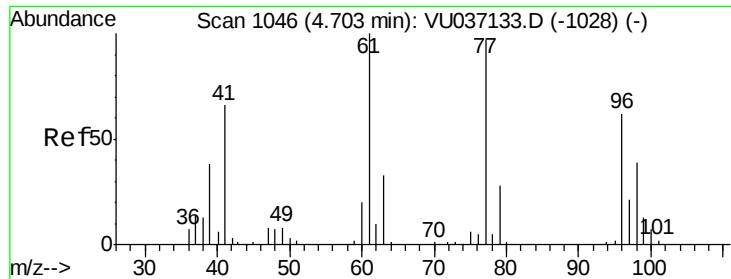
Ion Ratio Lower Upper

83 100

55 84.7 56.6 85.0

98 45.9 37.5 56.3





#21

2,2-Dichloropropane

Concen: 9.669 ug/l

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU037141.D

Acq: 09 Mar 2020 19:25

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 77 Resp: 81838

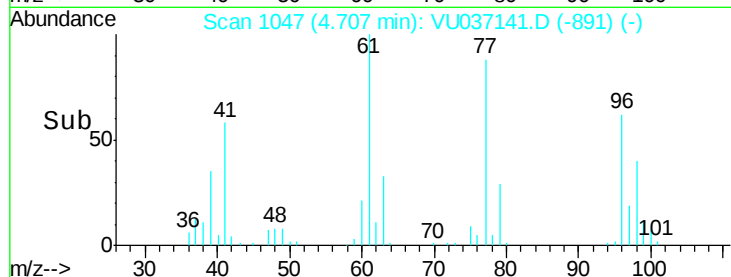
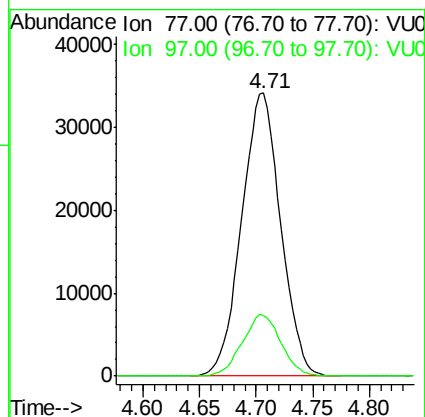
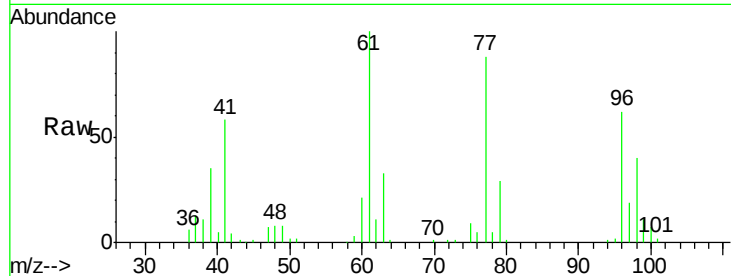
Ion Ratio Lower Upper

77 100

97 21.5 19.0 28.4

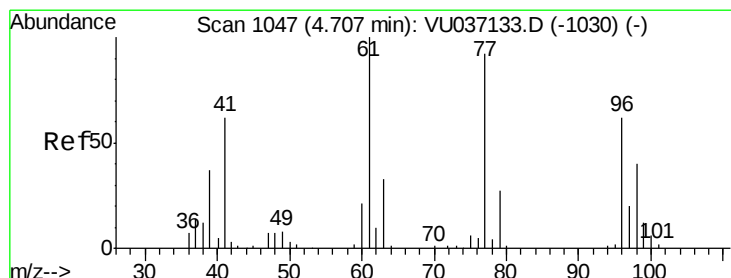
Manual Integrations

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#22

cis-1,2-Dichloroethene

Concen: 10.786 ug/l

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU037141.D

Acq: 09 Mar 2020 19:25

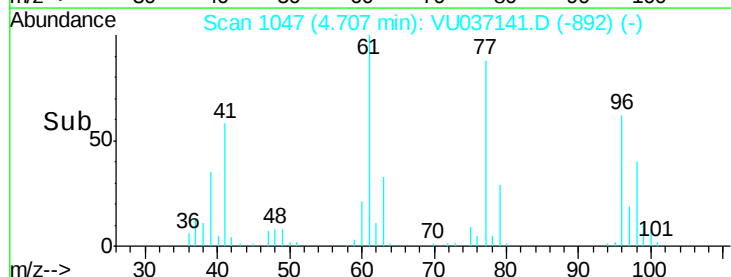
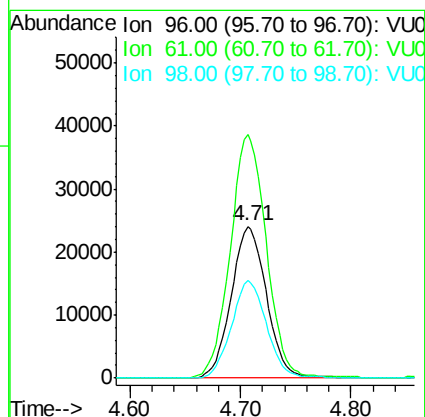
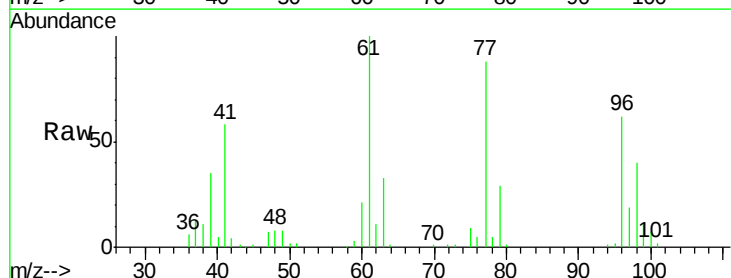
Tgt Ion: 96 Resp: 53457

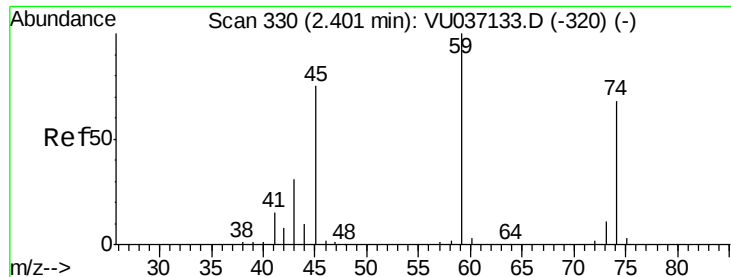
Ion Ratio Lower Upper

96 100

61 163.5 0.0 342.0

98 63.7 32.0 96.0



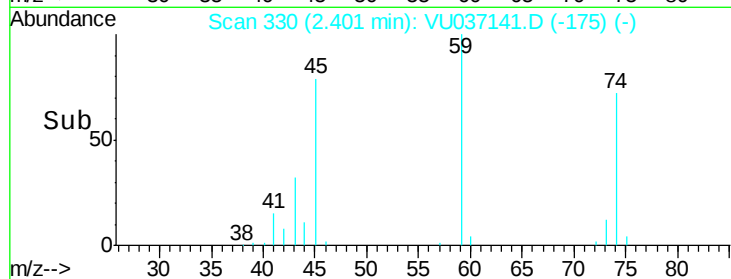
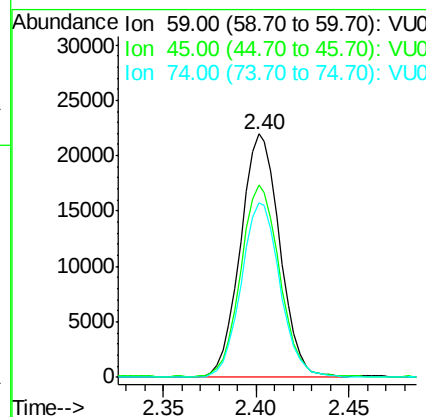
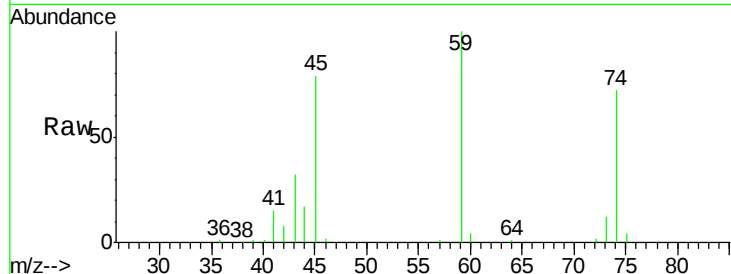


#23
Diethyl Ether
Concen: 10.149 ug/l
RT: 2.40 min Scan# 330
Delta R.T. -0.00 min
Lab File: VU037141.D
Acq: 09 Mar 2020 19:25

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

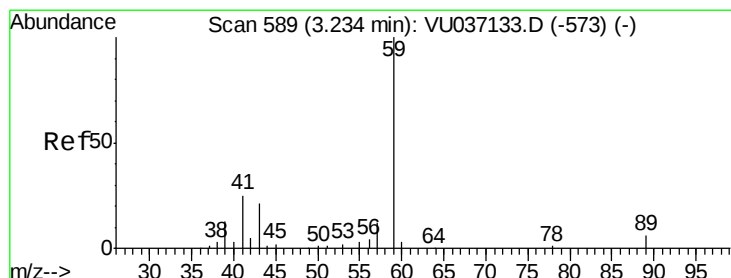
Tot Ion	Ratio	Lower	Upper
59	100		
45	78.8	52.4	78.6#
74	70.6	62.1	93.1

Manual Integrations
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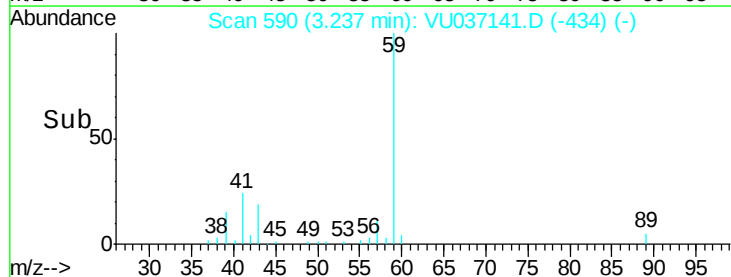
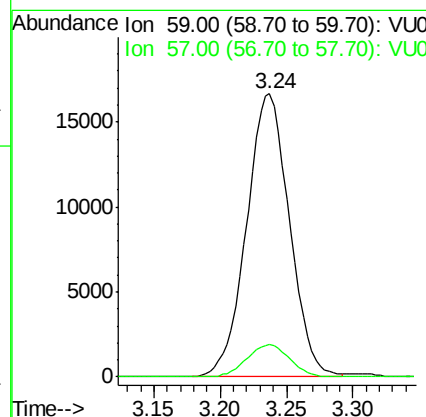
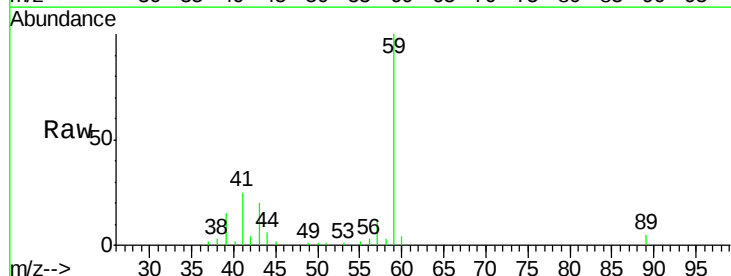
sam

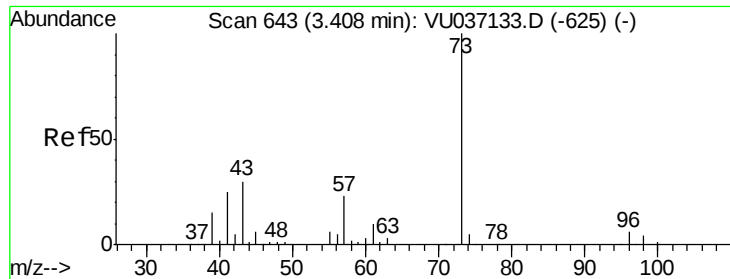
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#24
tert-Butyl Alcohol
Concen: 107.559 ug/l
RT: 3.24 min Scan# 590
Delta R.T. 0.00 min
Lab File: VU037141.D
Acq: 09 Mar 2020 19:25

Tgt Ion	Ratio	Lower	Upper
59	100		
57	11.2	8.4	12.6



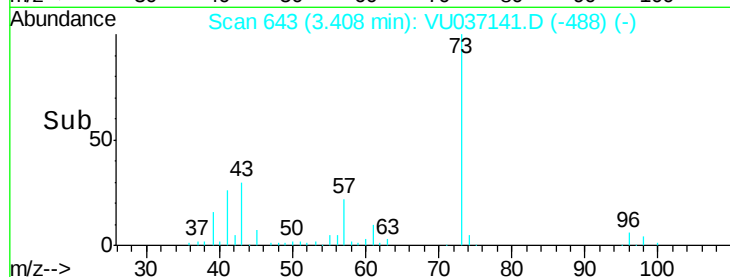
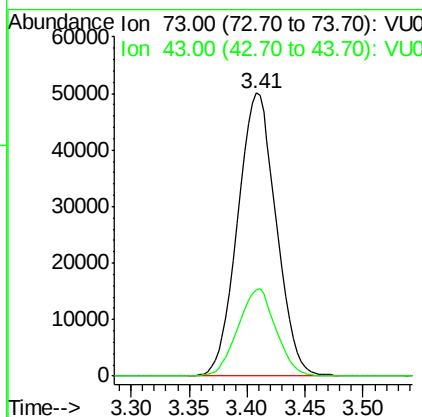
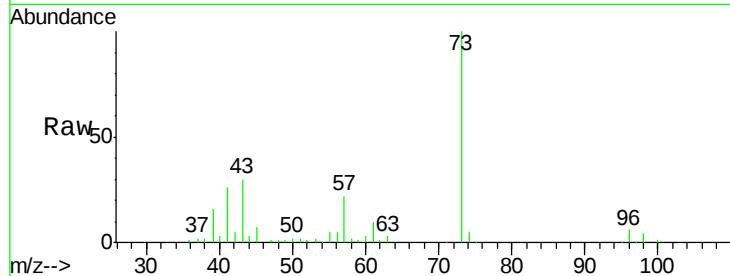


#25
Methvl tert-Butvl Ether
Concen: 10.450 ug/l
RT: 3.41 min Scan# 643
Delta R.T. -0.00 min
Lab File: VU037141.D
Acq: 09 Mar 2020 19:25

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

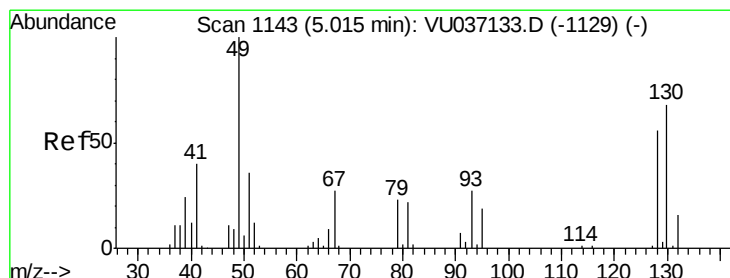
Tot Ion: 73 Resp: 115369
Ion Ratio Lower Upper
73 100
43 30.7 14.5 21.7#

Manual Integrations
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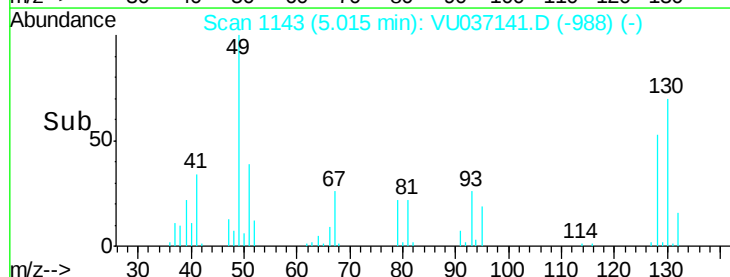
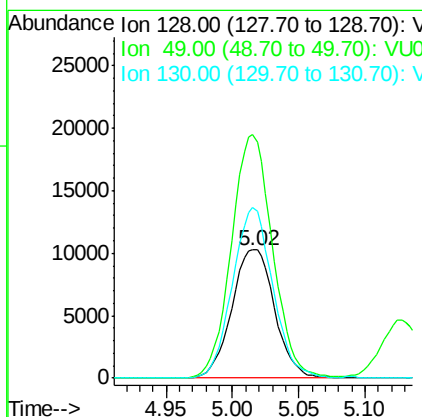
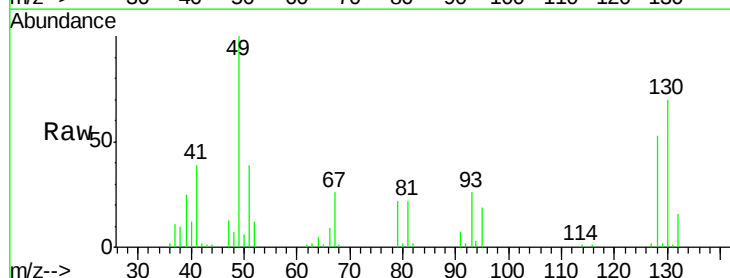
sam

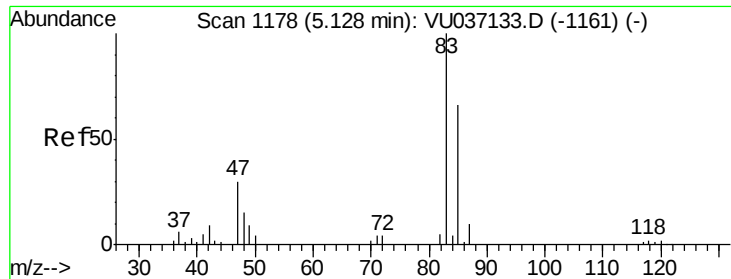
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#26
Bromochloromethane
Concen: 10.564 ug/l
RT: 5.02 min Scan# 1143
Delta R.T. -0.00 min
Lab File: VU037141.D
Acq: 09 Mar 2020 19:25

Tgt Ion: 128 Resp: 23043
Ion Ratio Lower Upper
128 100
49 182.4 0.0 286.2
130 125.3 104.3 156.5



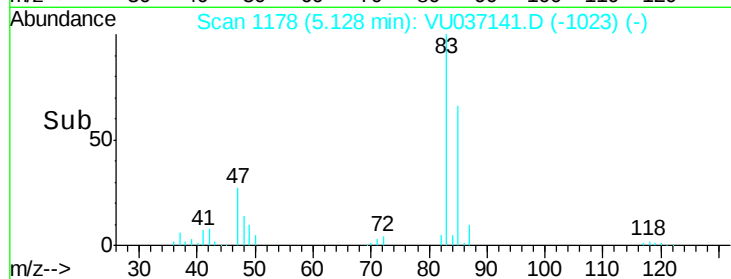
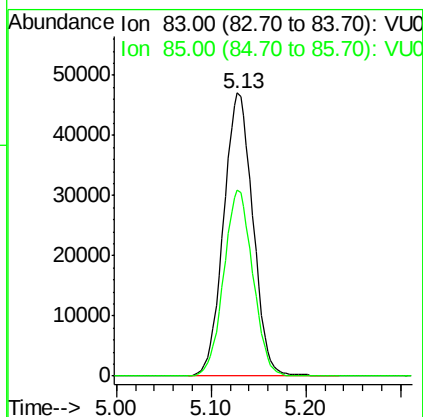
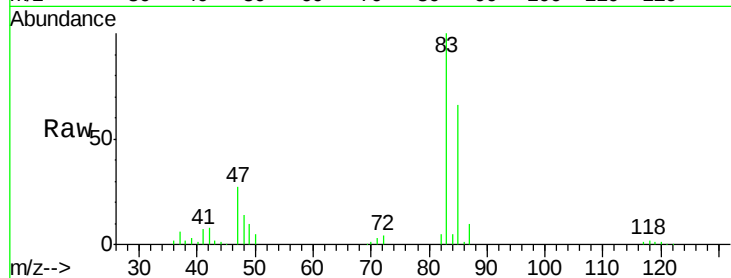


#27
Chloroform
Concen: 10.123 ug/l
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU037141.D
Acq: 09 Mar 2020 19:25

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

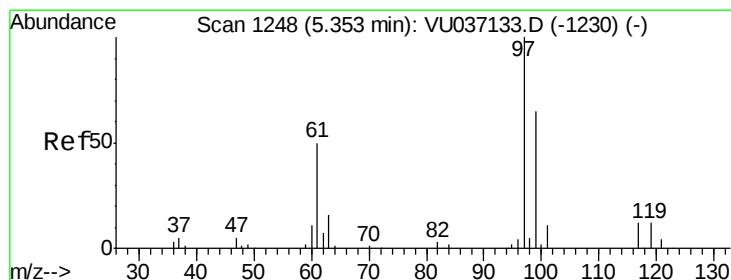
Tot Ion	83	Resp	101120
Ion Ratio	100	Lower	Upper
83	100		
85	65.6	0.0	129.0

Manual Integrations
APPROVED



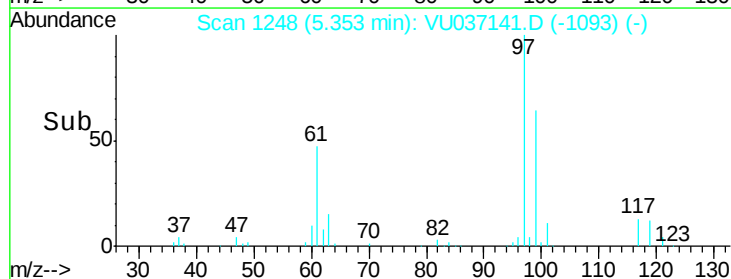
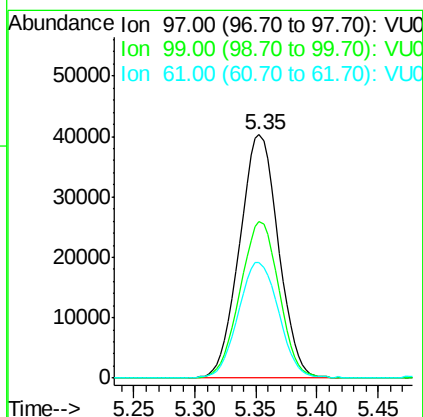
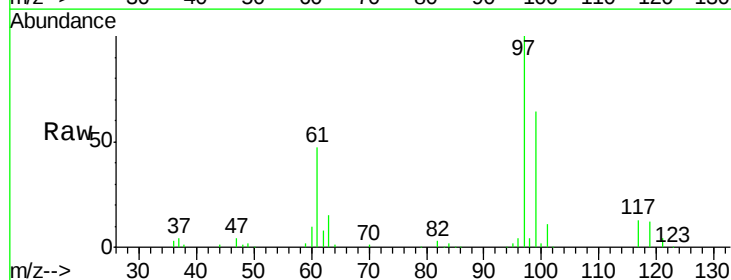
sam

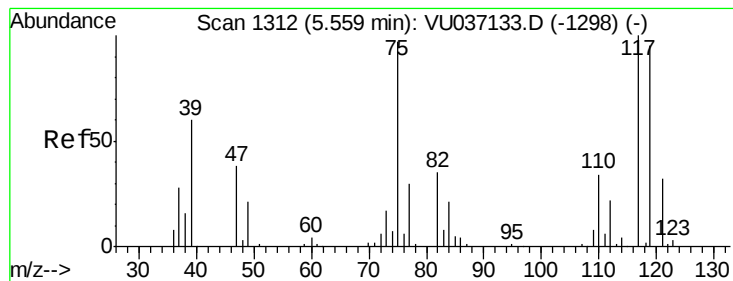
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#28
1,1,1-Trichloroethane
Concen: 10.427 ug/l
RT: 5.35 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VU037141.D
Acq: 09 Mar 2020 19:25

Tgt Ion	97	Resp	88790
Ion Ratio	100	Lower	Upper
97	100		
99	64.7	32.1	96.3
61	49.8	22.7	68.0





#29

1,1-Dichloropropene

Concen: 10.476 ug/l

RT: 5.56 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU037141.D

Acq: 09 Mar 2020 19:25

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 75 Resp: 72492

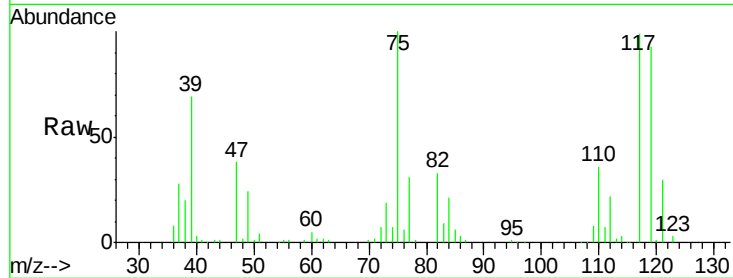
Ion Ratio Lower Upper

75 100

110 35.0 18.6 55.8

77 31.6 25.0 37.4

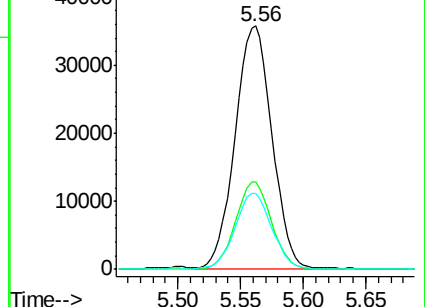
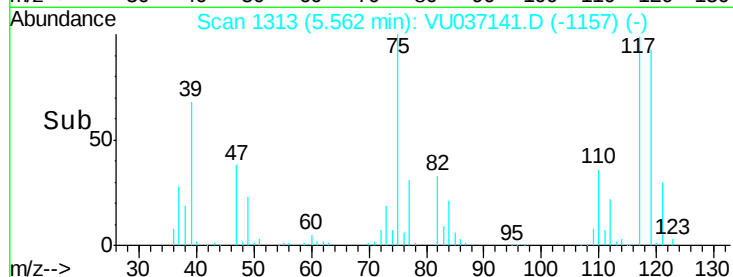
Manual Integrations
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Abundance Ion 75.00 (74.70 to 75.70): VU037133.D (-1298) (-)

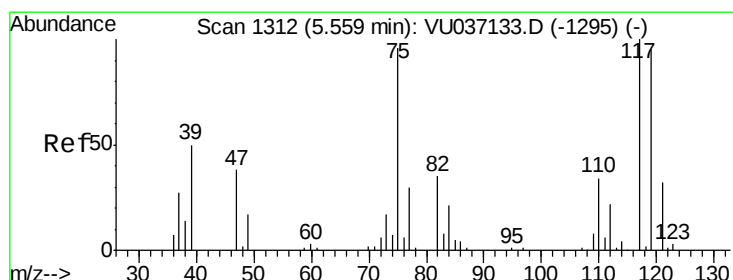
Ion 110.00 (109.70 to 110.70): VU037133.D (-1298) (-)

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



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#30

Carbon Tetrachloride

Concen: 10.636 ug/l

RT: 5.56 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU037141.D

Acq: 09 Mar 2020 19:25

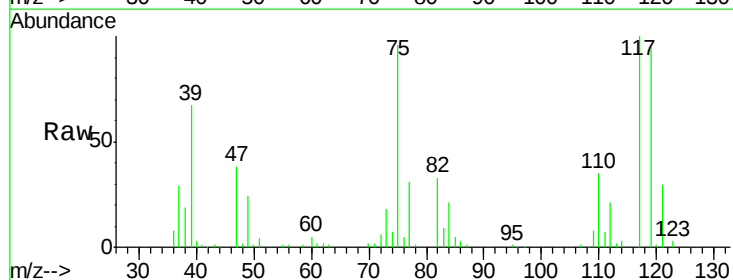
Tgt Ion: 117 Resp: 79262

Ion Ratio Lower Upper

117 100

119 94.9 77.0 115.6

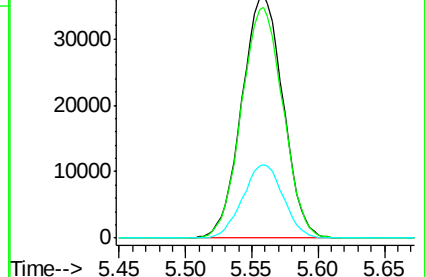
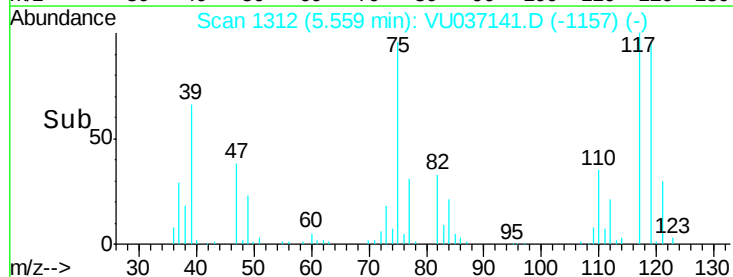
121 30.1 23.3 34.9

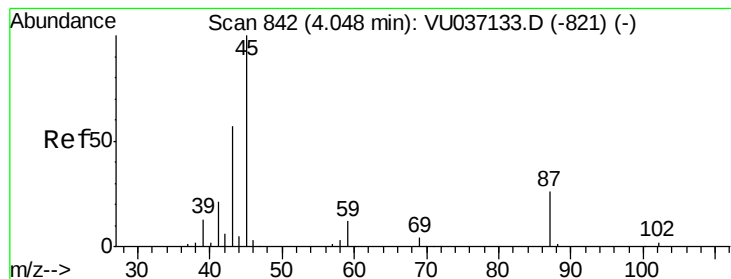


Abundance Ion 117.00 (116.70 to 117.70): VU037133.D (-1295) (-)

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: 10.445 ug/l

RT: 4.05 min Scan# 842

Delta R.T. -0.00 min

Lab File: VU037141.D

Acq: 09 Mar 2020 19:25

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 154668

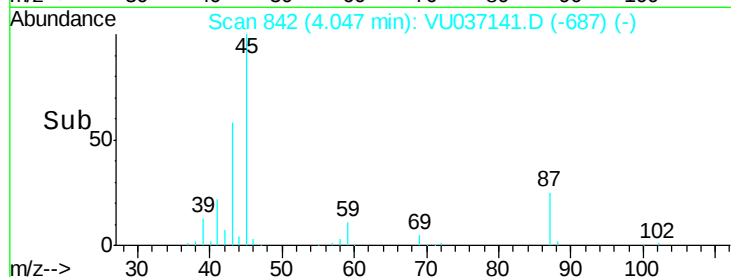
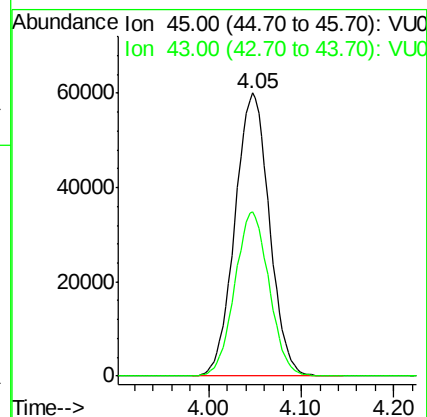
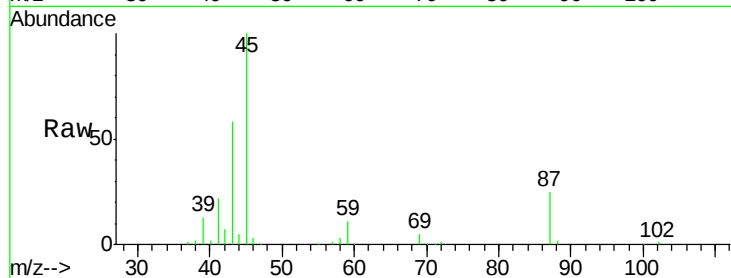
Ion Ratio Lower Upper

45 100

43 58.0 24.0 72.0

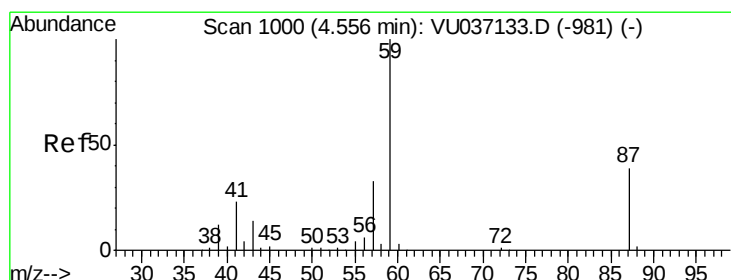
Manual Integrations

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#32

Ethyl-t-butyl ether

Concen: 10.514 ug/l

RT: 4.56 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VU037141.D

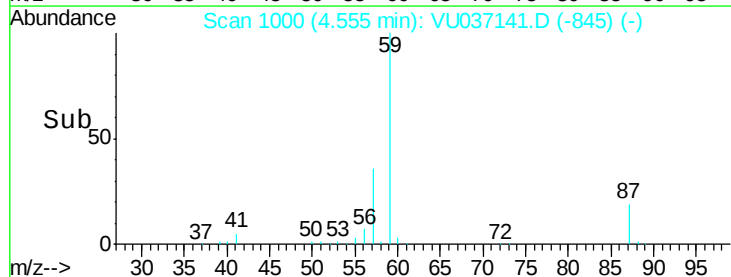
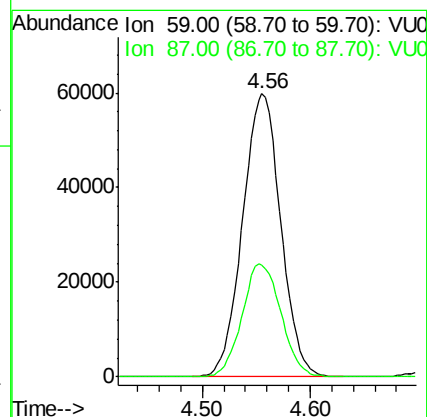
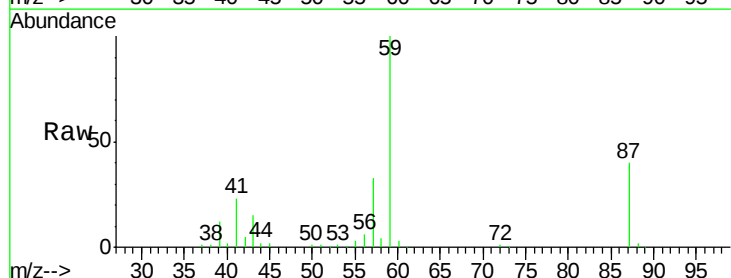
Acq: 09 Mar 2020 19:25

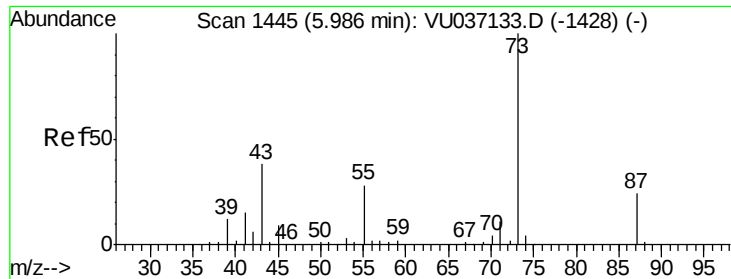
Tgt Ion: 59 Resp: 146988

Ion Ratio Lower Upper

59 100

87 40.8 35.1 52.7



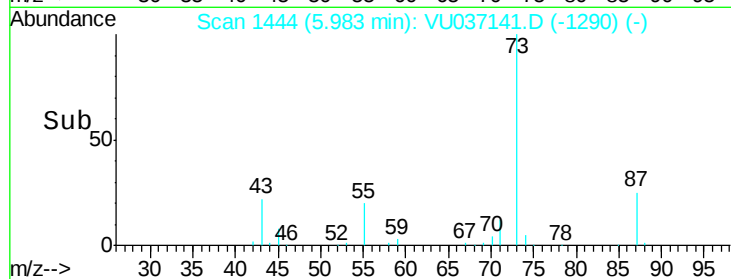
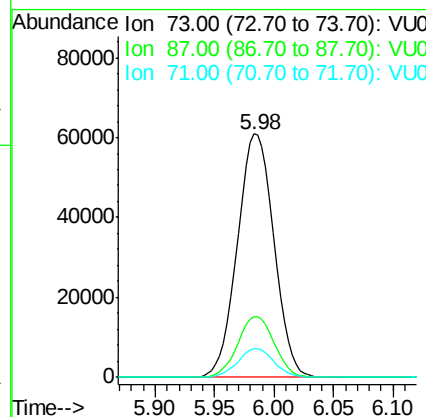
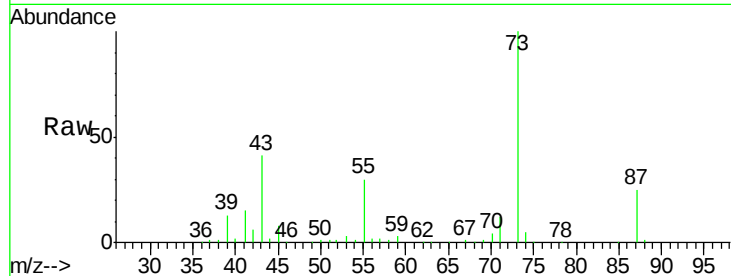


#33
Tert-Butyl methyl ether
Concen: 10.777 ug/l
RT: 5.98 min Scan# 1444
Delta R.T. -0.00 min
Lab File: VU037141.D
Acq: 09 Mar 2020 19:25

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

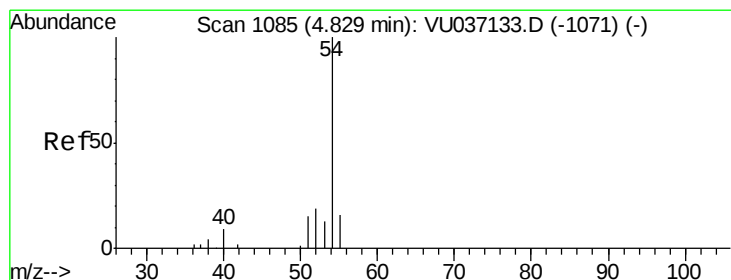
Tot Ion:	73	Resp:	129299
Ion	Ratio	Lower	Upper
73	100		
87	24.9	19.8	29.6
71	11.6	9.1	13.7

Manual Integrations
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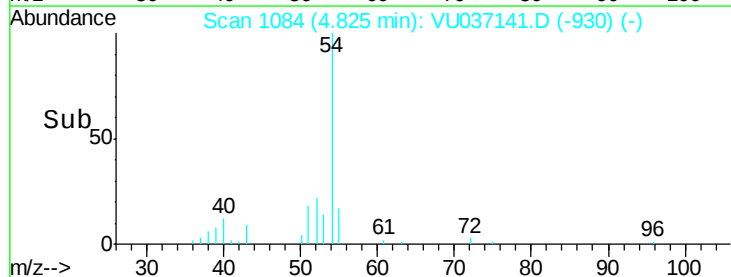
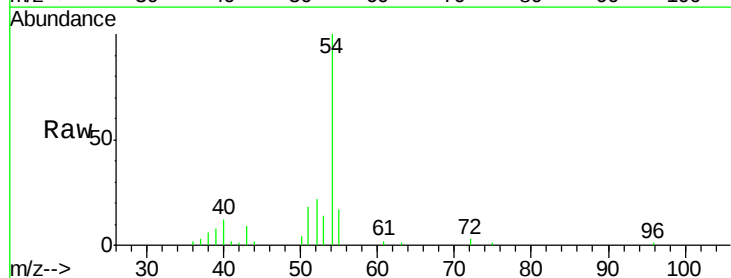
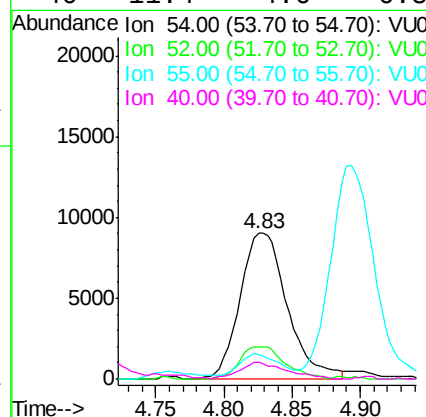
sam

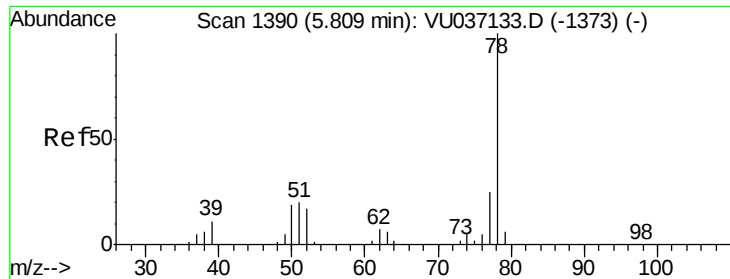
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#34
Propionitrile
Concen: 54.560 ug/l
RT: 4.83 min Scan# 1084
Delta R.T. -0.00 min
Lab File: VU037141.D
Acq: 09 Mar 2020 19:25

Tgt Ion:	54	Resp:	21727
Ion	Ratio	Lower	Upper
54	100		
52	21.4	15.2	22.8
55	14.1	9.5	14.3
40	11.4	4.6	6.8





#35

Benzene

Concen: 10.413 ug/l

RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VU037141.D

Acq: 09 Mar 2020 19:25

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 78 Resp: 204716

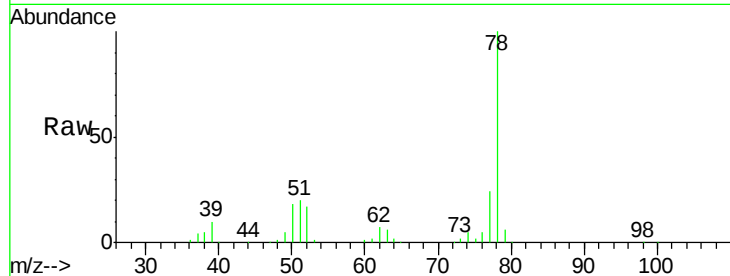
Ion Ratio Lower Upper

78 100

77 24.3 19.4 29.0

Manual Integrations

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Abundance Ion 78.10 (77.80 to 78.80): VU037141.D (-1235) (-)

Ion 77.00 (76.70 to 77.70): VU037141.D (-1235) (-)

5.81

100000

80000

60000

40000

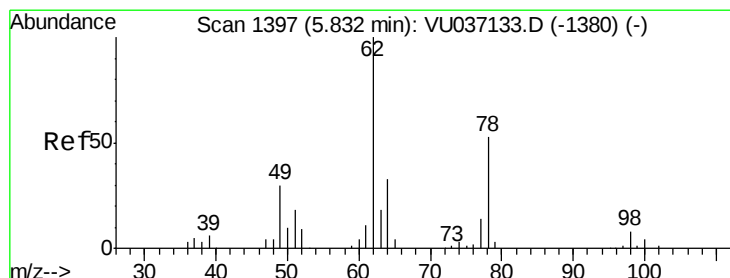
20000

0

Time--> 5.70 5.75 5.80 5.85 5.90

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#36

1,2-Dichloroethane

Concen: 10.305 ug/l

RT: 5.83 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VU037141.D

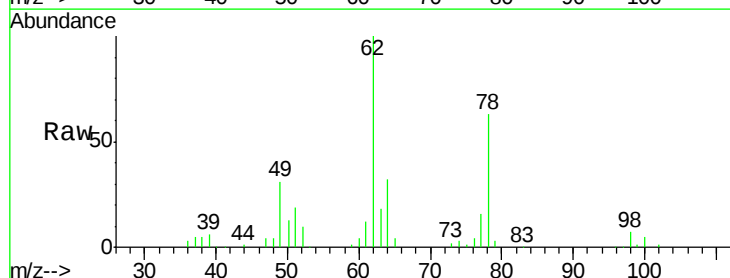
Acq: 09 Mar 2020 19:25

Tgt Ion: 62 Resp: 73439

Ion Ratio Lower Upper

62 100

98 7.1 7.8 11.8#



Abundance Ion 62.00 (61.70 to 62.70): VU037141.D (-1242) (-)

Ion 98.00 (97.70 to 98.70): VU037141.D (-1242) (-)

5.83

40000

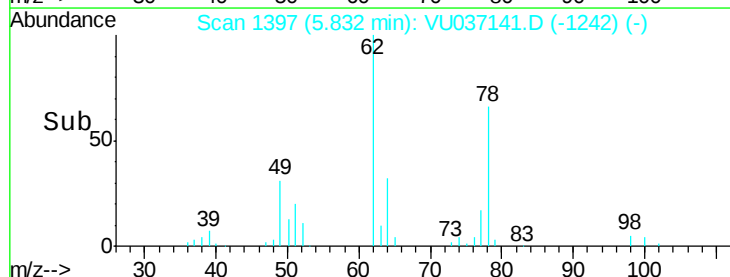
30000

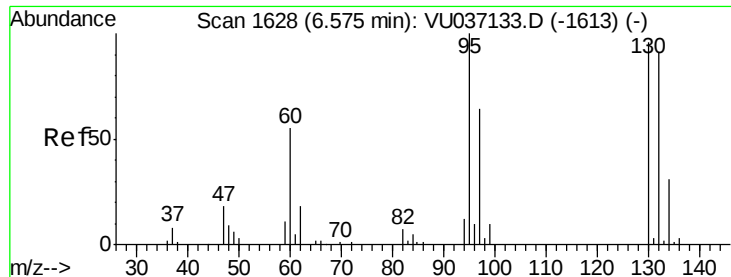
20000

10000

0

Time--> 5.80 5.90



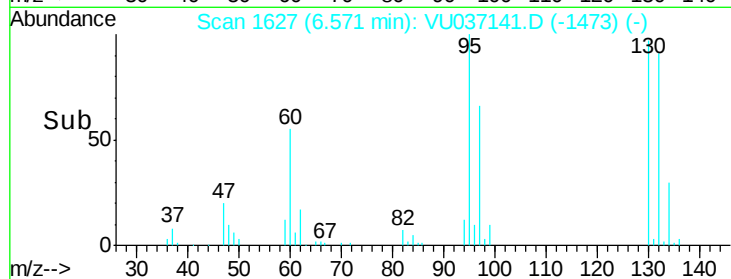
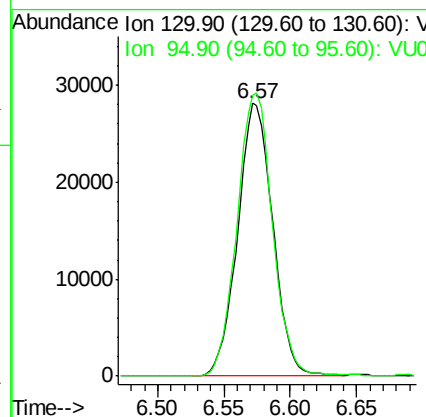
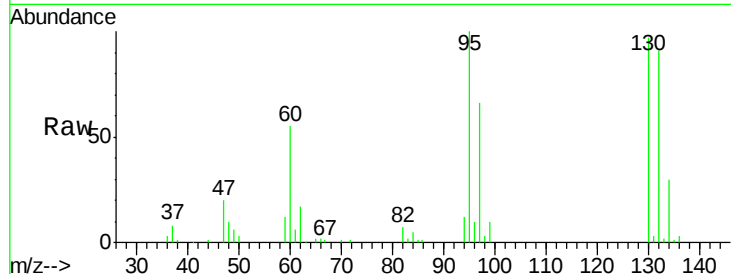


#37
 Trichloroethene
 Concen: 10.065 ug/l
 RT: 6.57 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VU037141.D
 Acq: 09 Mar 2020 19:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

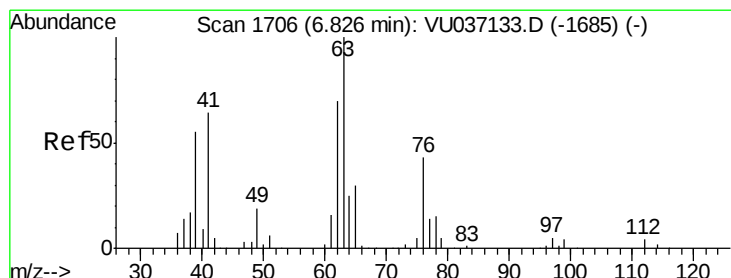
Tot Ion:130 Resp: 51915
 Ion Ratio Lower Upper
 130 100
 95 103.0 77.0 115.4

Manual Integrations
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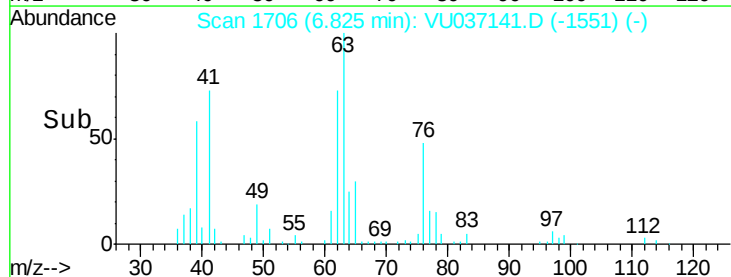
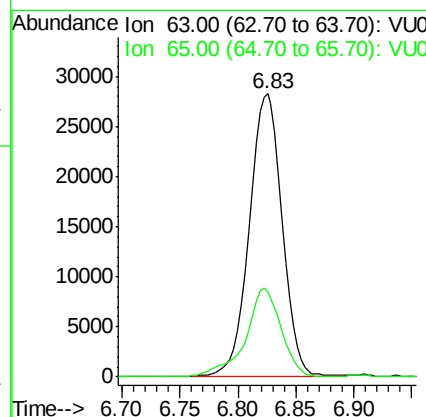
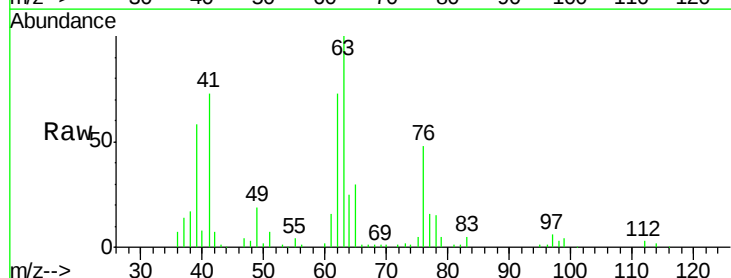
sam

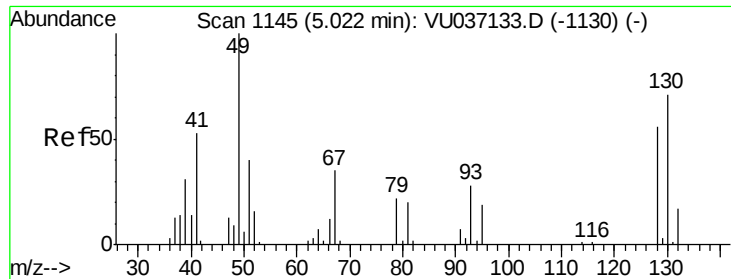
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#38
 1,2-Dichloropropane
 Concen: 10.383 ug/l
 RT: 6.83 min Scan# 1706
 Delta R.T. -0.00 min
 Lab File: VU037141.D
 Acq: 09 Mar 2020 19:25

Tgt Ion: 63 Resp: 56027
 Ion Ratio Lower Upper
 63 100
 65 30.1 24.7 37.1



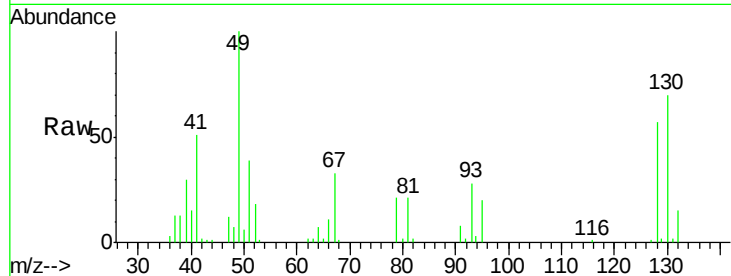


#39
Methacrylonitrile
Concen: 10.498 ug/l
RT: 5.02 min Scan# 1145
Delta R.T. -0.00 min
Lab File: VU037141.D
Acq: 09 Mar 2020 19:25

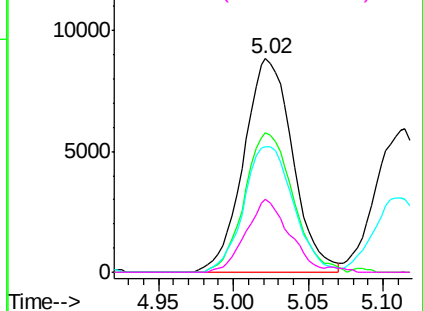
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	41	Resp	20171
Ion Ratio	Lower	Upper	
41	100		
67	64.3	69.6	104.4#
39	59.5	41.6	62.4
52	30.9	25.9	38.9

Manual Integrations
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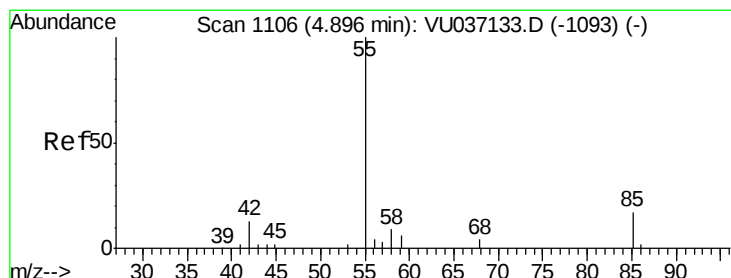
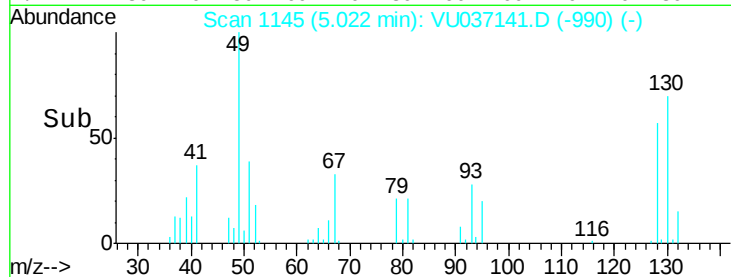


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 52.00 (51.70 to 52.70): VU0



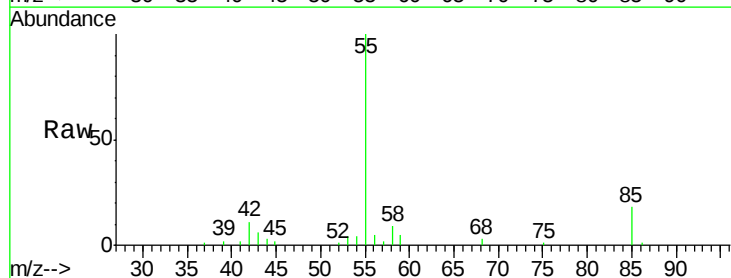
sam

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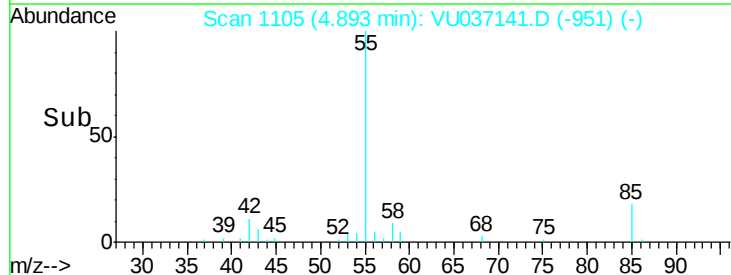
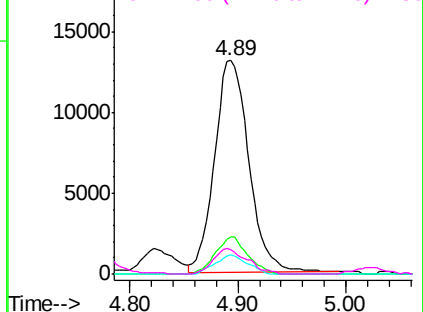


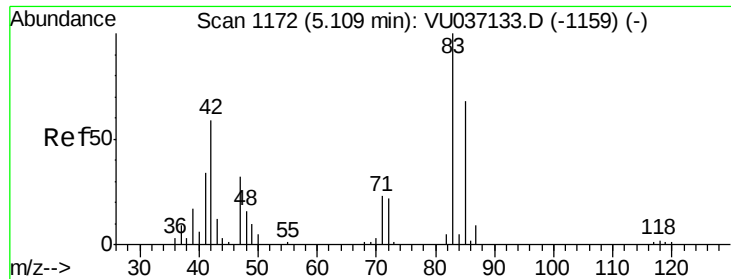
#40
Methyl acrylate
Concen: 10.977 ug/l
RT: 4.89 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VU037141.D
Acq: 09 Mar 2020 19:25

Tgt Ion	55	Resp	29164
Ion Ratio	Lower	Upper	
55	100		
85	16.2	14.7	22.1
58	8.3	7.1	10.7
42	11.8	6.9	10.3#



Abundance Ion 55.00 (54.70 to 55.70): VU0
Ion 85.00 (84.70 to 85.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 42.00 (41.70 to 42.70): VU0



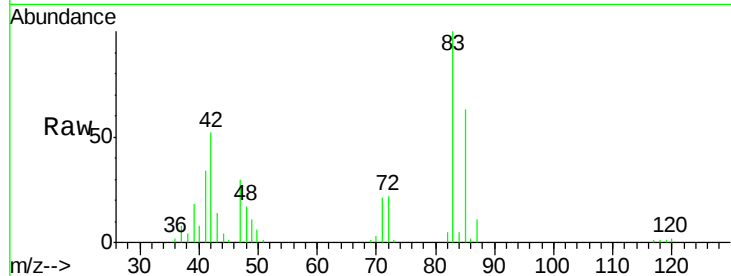


#41
Tetrahydrofuran
Concen: 20.810 ug/l
RT: 5.11 min Scan# 1172
Delta R.T. -0.00 min
Lab File: VU037141.D
Acq: 09 Mar 2020 19:25

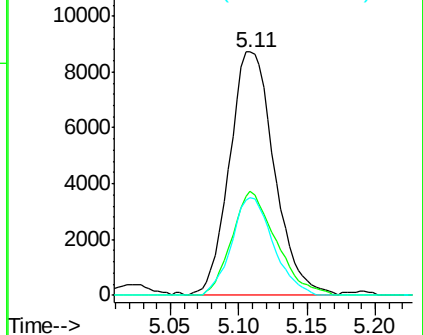
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.9	42.5	63.7#
71	37.3	37.3	55.9#

Manual Integrations
APPROVED

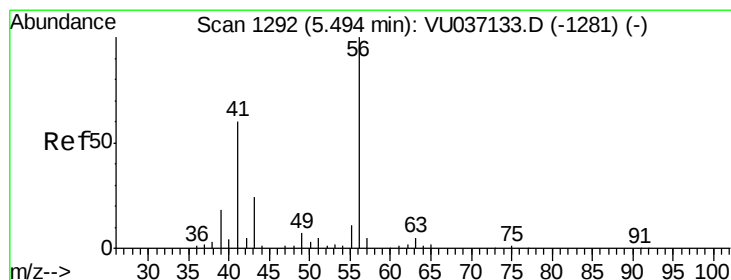
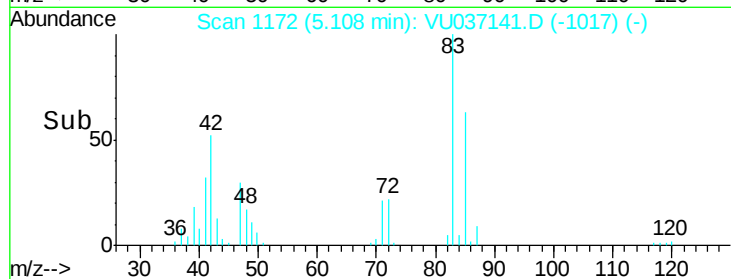


Abundance Ion 42.00 (41.70 to 42.70): VU0
Ion 72.00 (71.70 to 72.70): VU0
Ion 71.00 (70.70 to 71.70): VU0



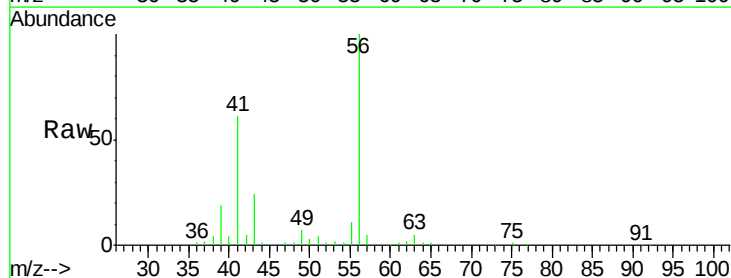
sam

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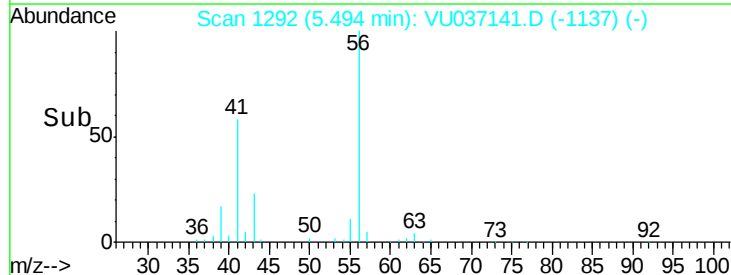
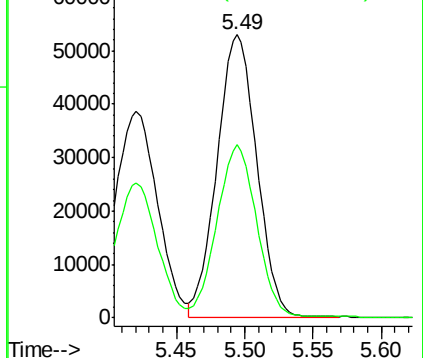


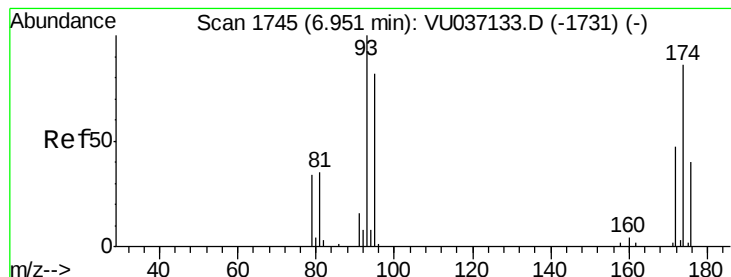
#42
1-Chlorobutane
Concen: 10.699 ug/l
RT: 5.49 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VU037141.D
Acq: 09 Mar 2020 19:25

Tgt Ion	Ratio	Lower	Upper
56	100		
41	60.2	24.8	74.3



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





#43

Dibromomethane

Concen: 10.730 ug/l

RT: 6.95 min Scan# 1745

Delta R.T. -0.00 min

Lab File: VU037141.D

Acq: 09 Mar 2020 19:25

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 93 Resp: 29676

Ion Ratio Lower Upper

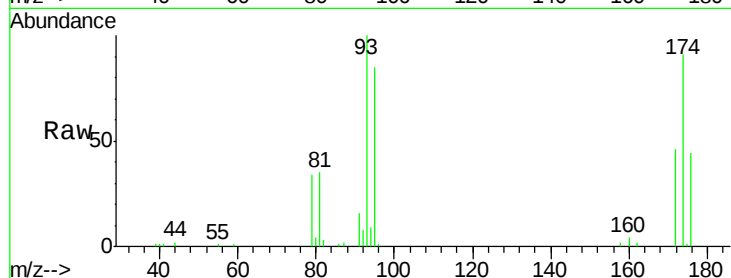
93 100

95 82.4 67.9 101.9

174 87.6 83.4 125.0

Manual Integrations

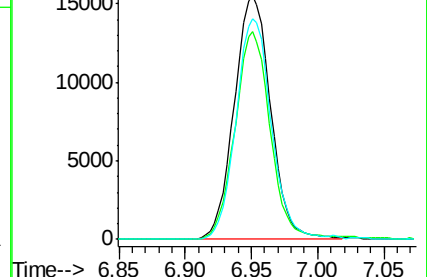
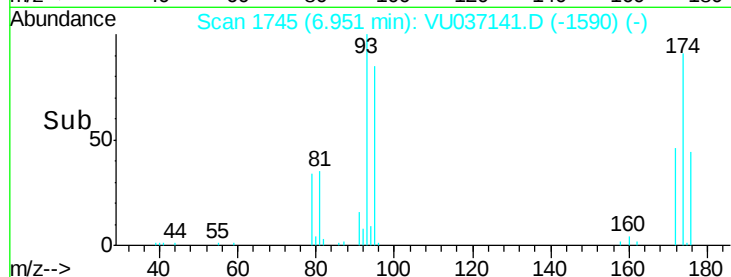
APPROVED



Abundance Ion 93.00 (92.70 to 93.70): VU037141.D (-1590) (-)

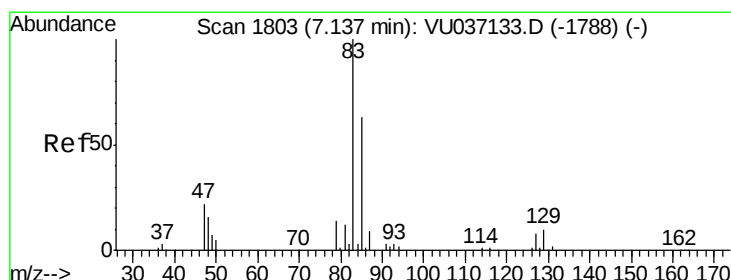
Ion 95.00 (94.70 to 95.70): VU037141.D (-1590) (-)

Ion 174.00 (173.70 to 174.70): VU037141.D (-1590) (-)



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#44

Bromodichloromethane

Concen: 10.658 ug/l

RT: 7.14 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VU037141.D

Acq: 09 Mar 2020 19:25

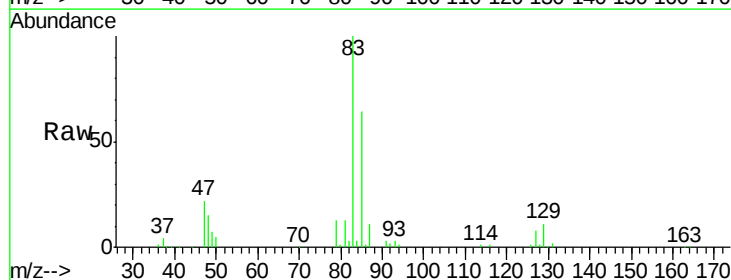
Tgt Ion: 83 Resp: 76745

Ion Ratio Lower Upper

83 100

85 63.8 51.8 77.6

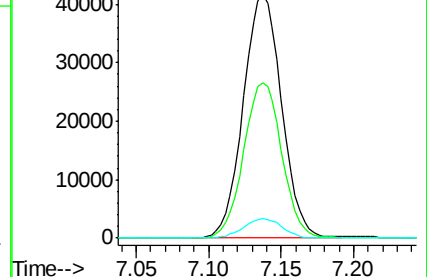
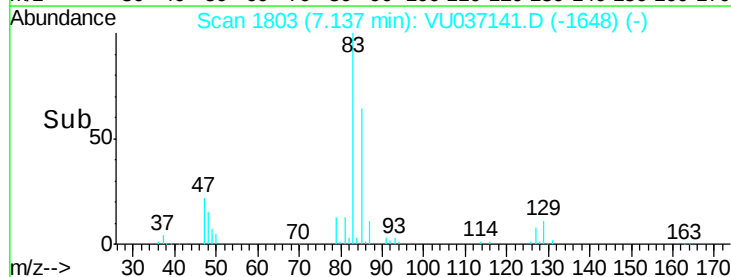
127 7.8 6.8 10.2

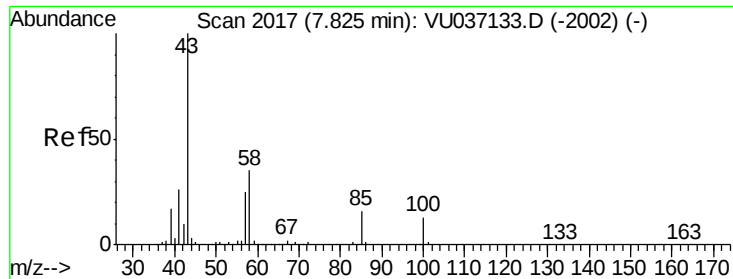


Abundance Ion 83.00 (82.70 to 83.70): VU037141.D (-1648) (-)

Ion 85.00 (84.70 to 85.70): VU037141.D (-1648) (-)

Ion 127.00 (126.70 to 127.70): VU037141.D (-1648) (-)



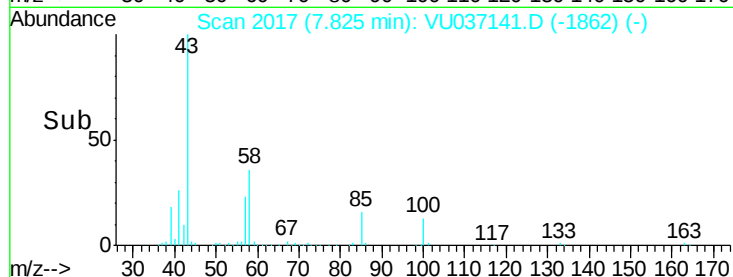
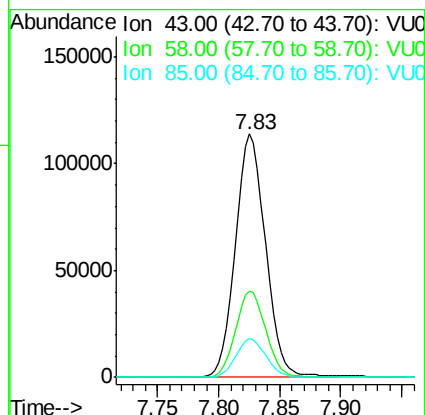
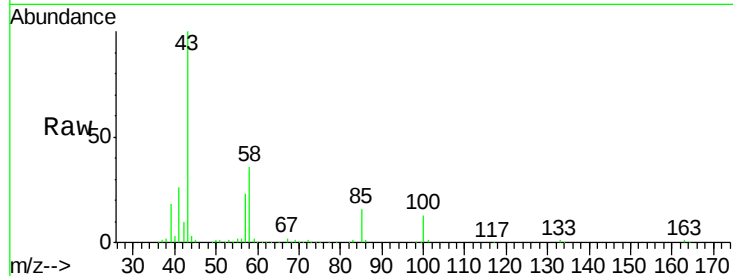


#45
4-Methyl-2-Pentanone
Concen: 52.746 ug/l
RT: 7.83 min Scan# 2017
Delta R.T. -0.00 min
Lab File: VU037141.D
Acq: 09 Mar 2020 19:25

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

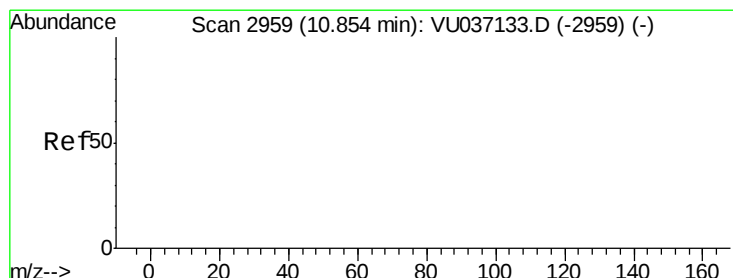
Tot Ion	Ratio	Resp	Lower	Upper
43	100			
58	35.5	22.1	66.1	
85	16.0	17.4	26.0	

Manual Integrations
APPROVED



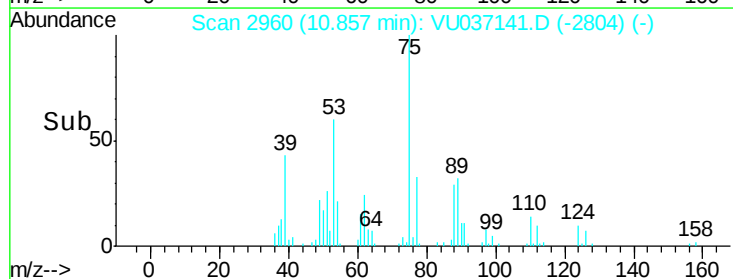
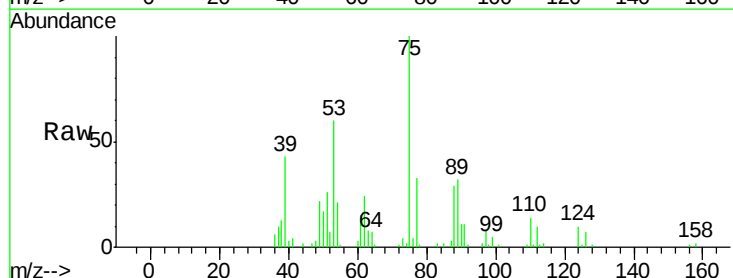
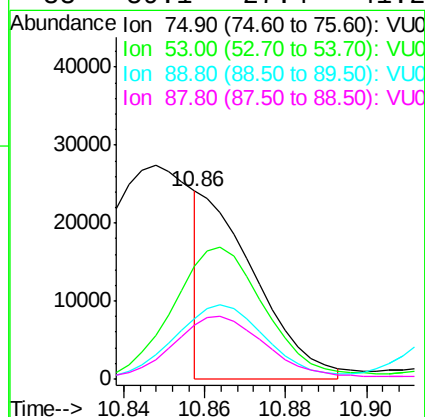
sam

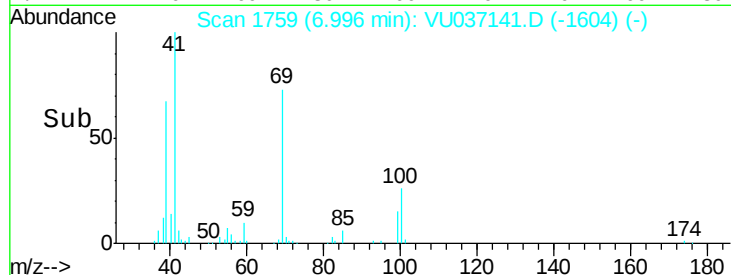
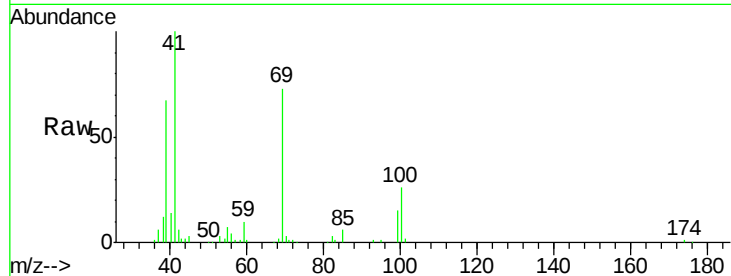
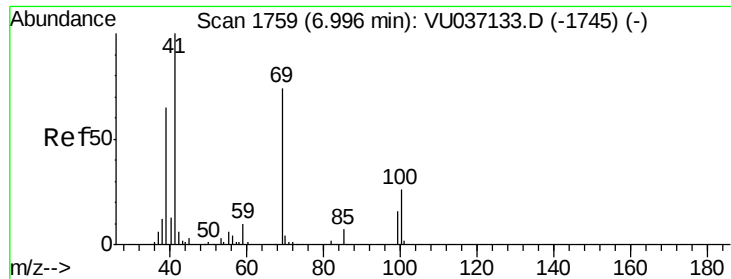
3/10/2020 3:06:47 PM



#46
t-1,4-Dichloro-2-butene
Concen: 21.957 ug/l m
RT: 10.86 min Scan# 2960
Delta R.T. 0.00 min
Lab File: VU037141.D
Acq: 09 Mar 2020 19:25

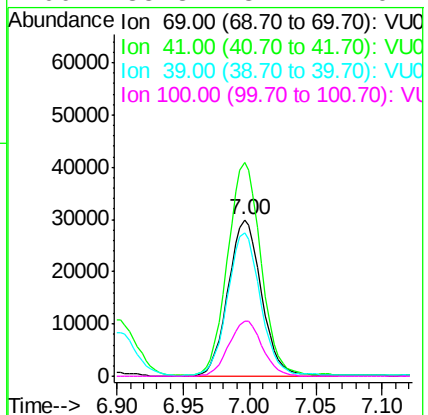
Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
53	123.0	52.2	78.2	
89	68.2	39.8	59.6	
88	59.1	27.4	41.2	





#47
Methyl methacrylate
Concen: 23.056 ug/l
RT: 7.00 min Scan# 1759
Delta R.T. -0.00 min
Lab File: VU037141.D
Acq: 09 Mar 2020 19:25

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	134.8	0.0	200.8	
39	90.0	43.5	65.3	
100	35.3	31.1	46.7	

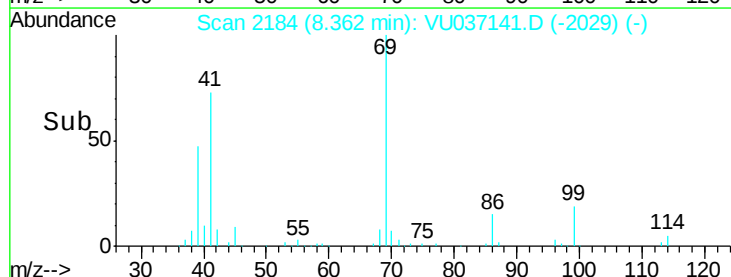
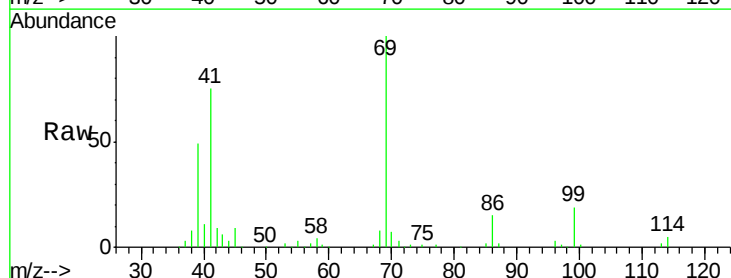
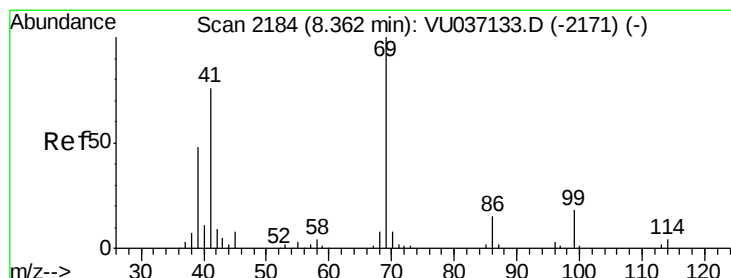


Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Manual Integrations
APPROVED

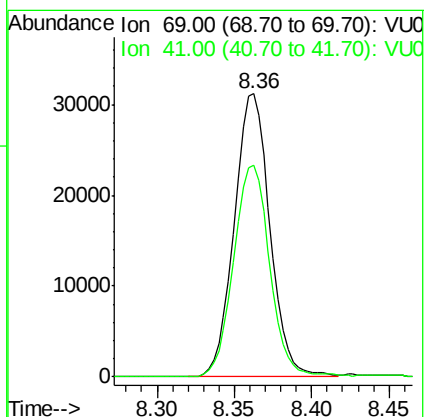
sam

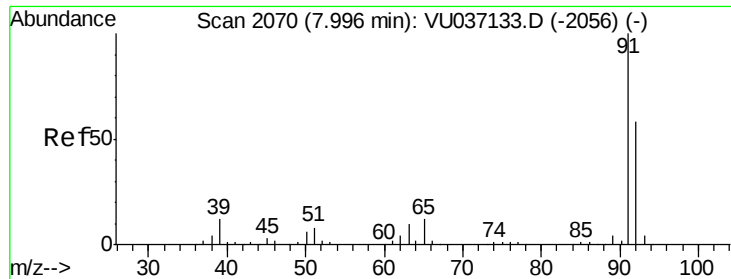
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#48
Ethyl methacrylate
Concen: 11.066 ug/l
RT: 8.36 min Scan# 2184
Delta R.T. -0.00 min
Lab File: VU037141.D
Acq: 09 Mar 2020 19:25

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	75.9	27.9	83.6	





#49

Toluene

Concen: 11.052 ug/l

RT: 8.00 min Scan# 2070

Delta R.T. -0.00 min

Lab File: VU037141.D

Acq: 09 Mar 2020 19:25

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

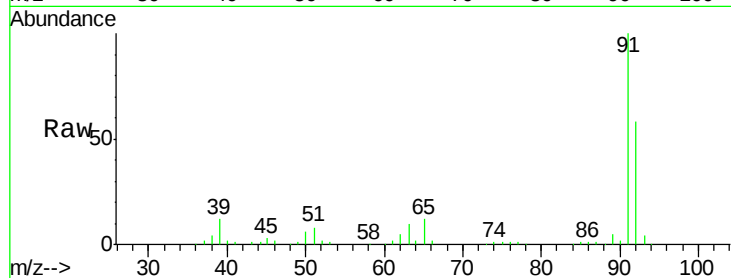
Tot Ion: 92 Resp: 131198

Ion Ratio Lower Upper

92 100

91 173.1 139.1 208.7

Manual Integrations
APPROVED



Abundance Ion 92.00 (91.70 to 92.70): VU037141.D (-1915) (-)

Ion 91.00 (90.70 to 91.70): VU037141.D (-1915) (-)

150000

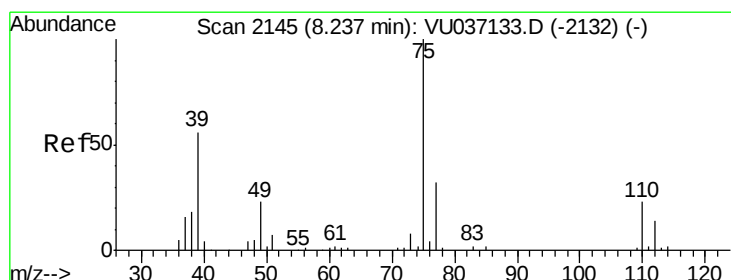
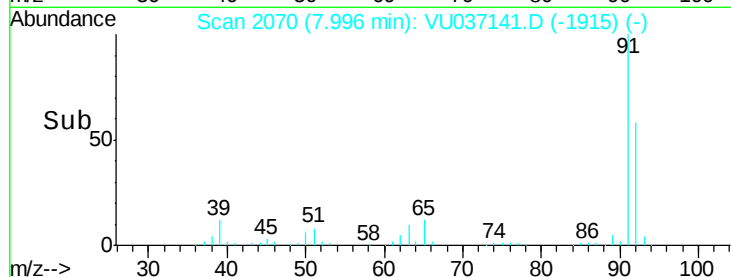
100000

50000

0

8.00

Time-->



#50

t-1,3-Dichloropropene

Concen: 10.811 ug/l

RT: 8.24 min Scan# 2145

Delta R.T. -0.00 min

Lab File: VU037141.D

Acq: 09 Mar 2020 19:25

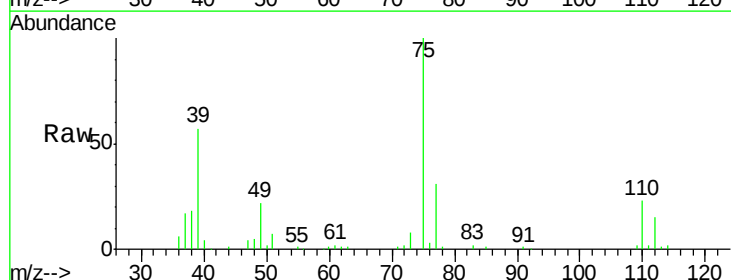
Tgt Ion: 75 Resp: 70128

Ion Ratio Lower Upper

75 100

77 30.8 25.4 38.2

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Abundance Ion 75.00 (74.70 to 75.70): VU037141.D (-1990) (-)

Ion 77.00 (76.70 to 77.70): VU037141.D (-1990) (-)

40000

30000

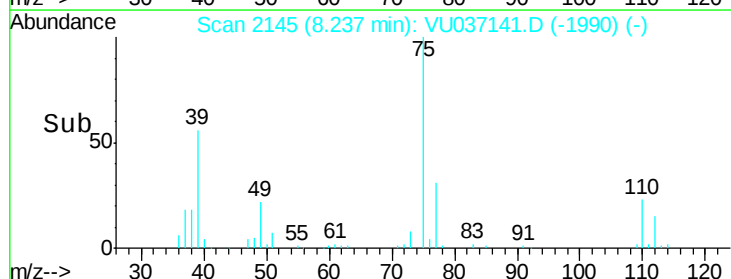
20000

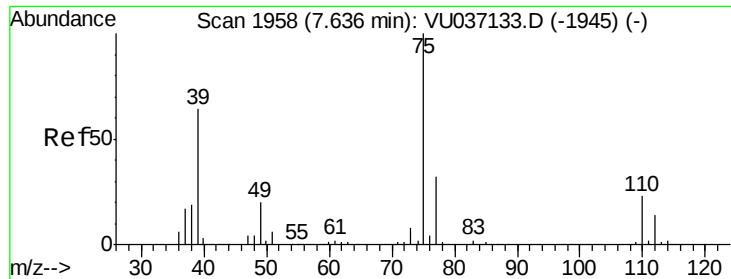
10000

0

8.24

Time-->



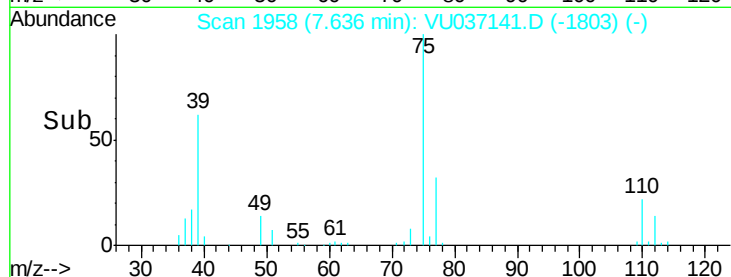
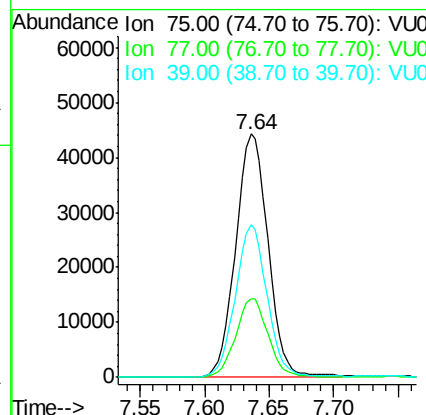
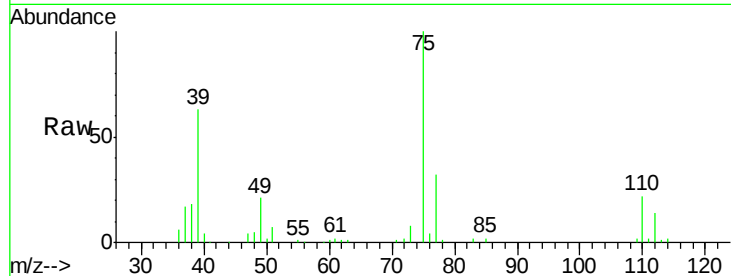


#51
 cis-1,3-Dichloropropene
 Concen: 10.477 ug/l
 RT: 7.64 min Scan# 1958
 Delta R.T. -0.00 min
 Lab File: VU037141.D
 Acq: 09 Mar 2020 19:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

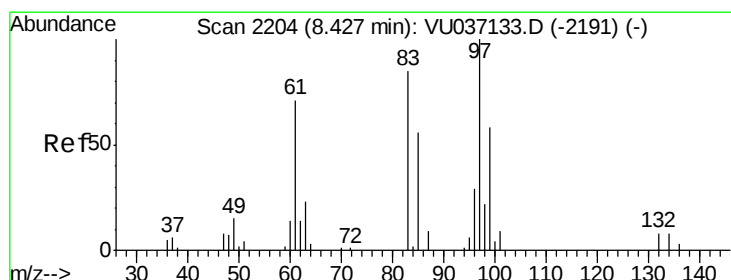
Tot Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.3	37.9
39	62.6	31.8	47.6

Manual Integrations
 APPROVED



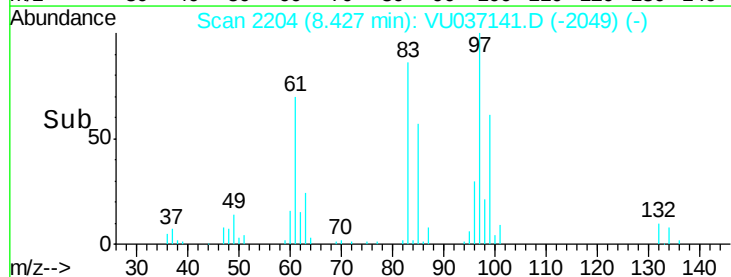
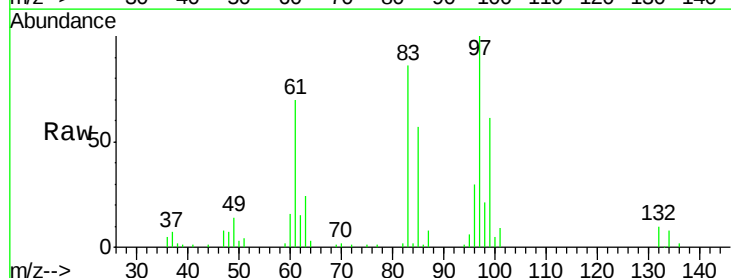
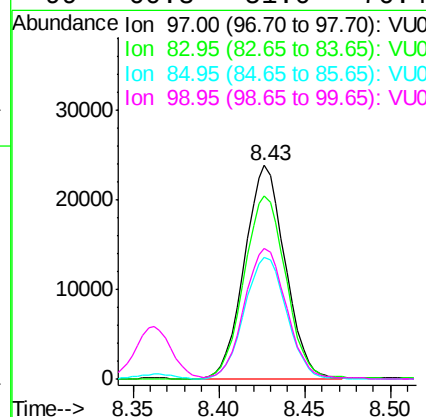
sam

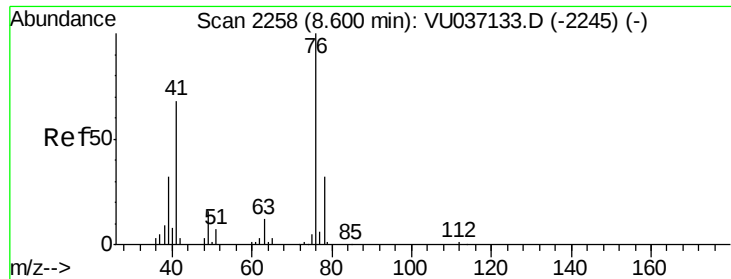
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#52
 1,1,2-Trichloroethane
 Concen: 10.622 ug/l
 RT: 8.43 min Scan# 2204
 Delta R.T. -0.00 min
 Lab File: VU037141.D
 Acq: 09 Mar 2020 19:25

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.0	70.9	106.3
85	57.0	45.6	68.4
99	60.8	51.0	76.4



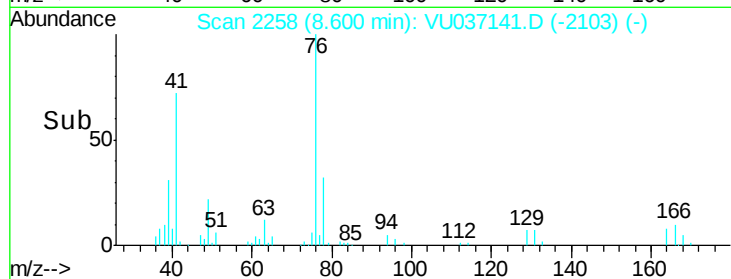
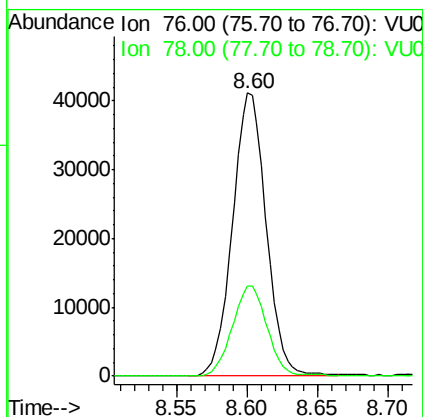
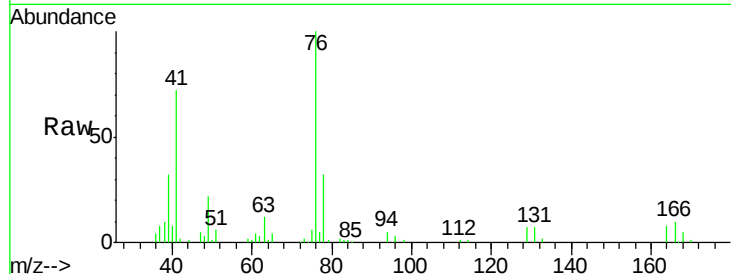


#53
 1,3-Dichloropropane
 Concen: 10.503 ug/l
 RT: 8.60 min Scan# 2258
 Delta R.T. -0.00 min
 Lab File: VU037141.D
 Acq: 09 Mar 2020 19:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

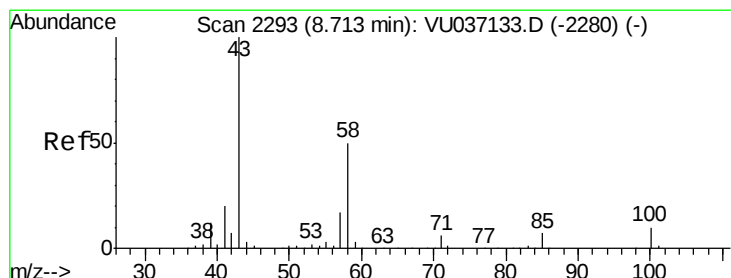
Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.4	38.2

Manual Integrations
 APPROVED



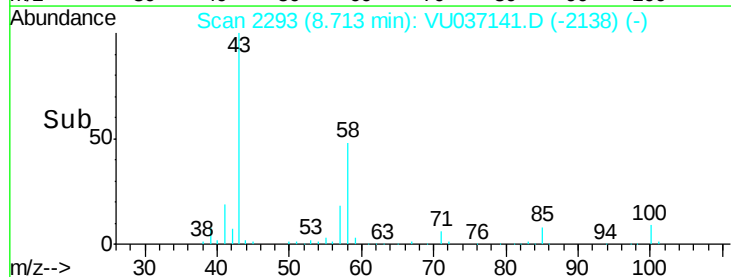
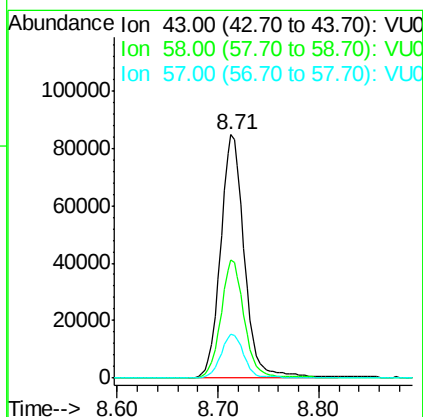
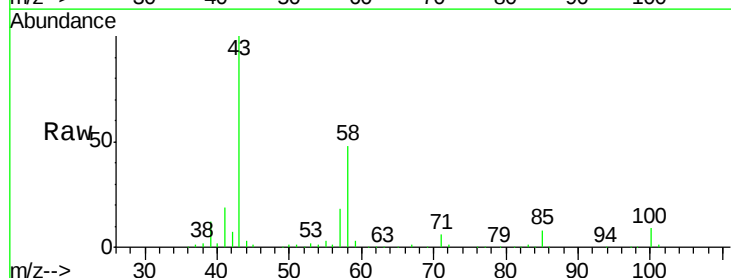
sam

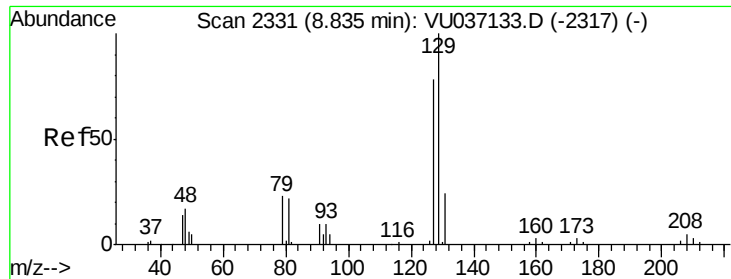
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#54
 2-Hexanone
 Concen: 54.915 ug/l
 RT: 8.71 min Scan# 2293
 Delta R.T. -0.00 min
 Lab File: VU037141.D
 Acq: 09 Mar 2020 19:25

Tgt Ion	Ratio	Lower	Upper
43	100		
58	48.0	40.6	80.6
57	17.7	1.2	41.2



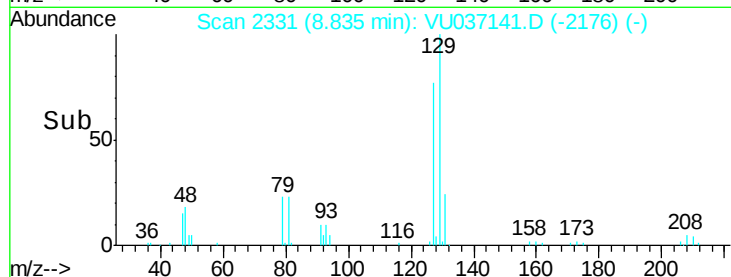
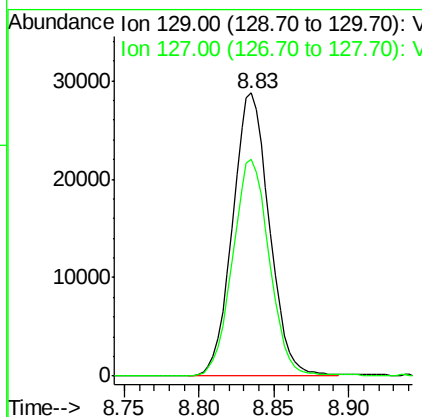
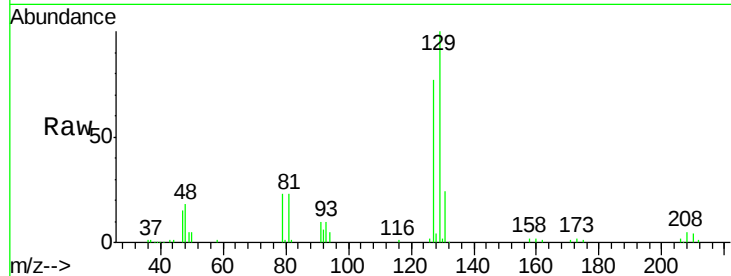


#55
Dibromochloromethane
Concen: 10.756 ug/l
RT: 8.83 min Scan# 2331
Delta R.T. -0.00 min
Lab File: VU037141.D
Acq: 09 Mar 2020 19:25

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

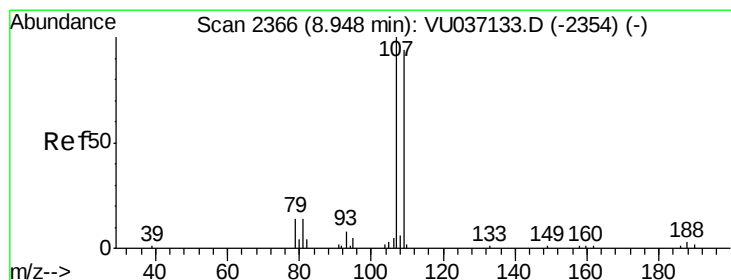
Tot Ion	Ion	Ratio	Lower	Upper
129	100			
127	76.7	62.6	94.0	

Manual Integrations
APPROVED



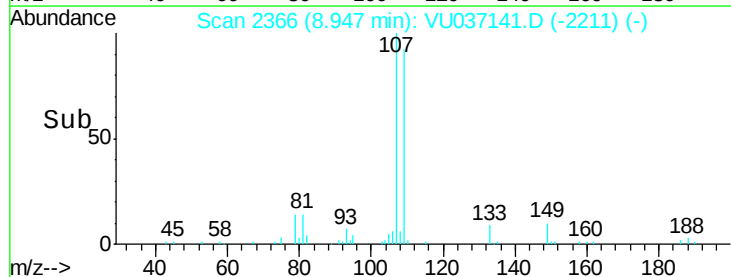
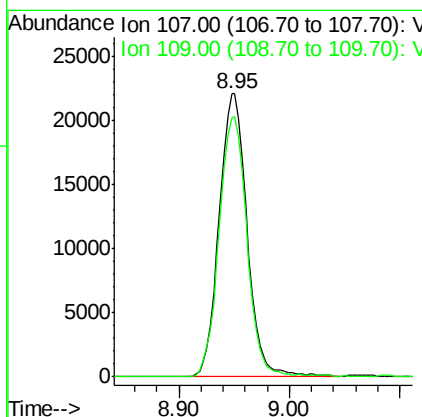
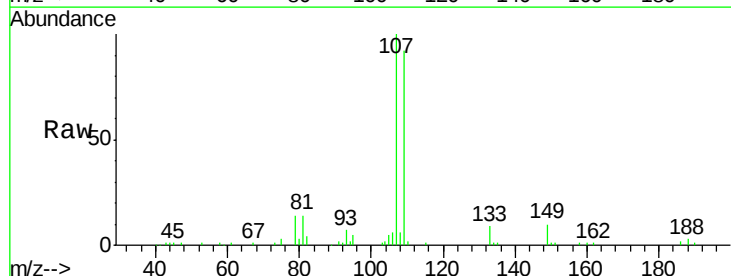
sam

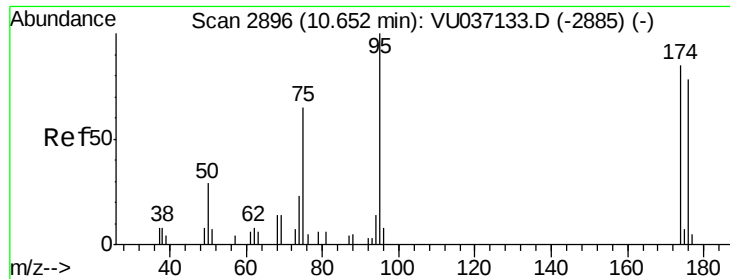
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#56
1,2-Dibromoethane
Concen: 11.113 ug/l
RT: 8.95 min Scan# 2366
Delta R.T. -0.00 min
Lab File: VU037141.D
Acq: 09 Mar 2020 19:25

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
109	91.5	0.0	190.8	



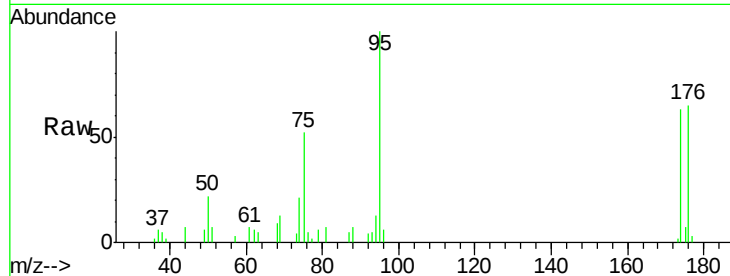


#57
4-Bromofluorobenzene
Concen: 1.114 ug/l
RT: 10.65 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VU037141.D
Acq: 09 Mar 2020 19:25

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
95	100		
174	66.6	64.7	97.1
176	65.1	60.6	91.0

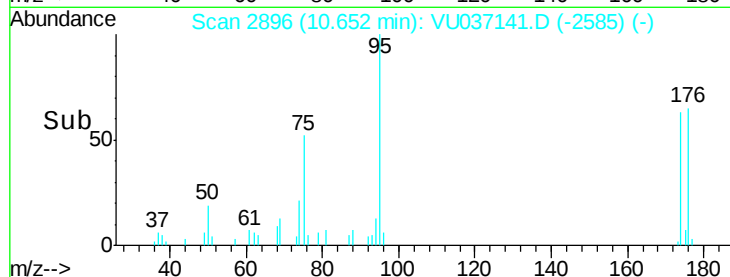
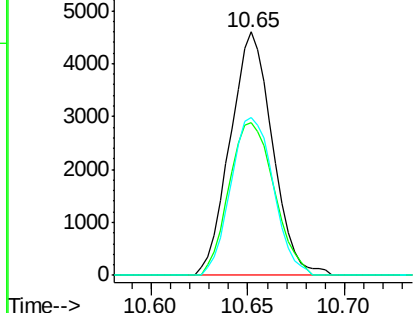
Manual Integrations
APPROVED



Abundance Ion 95.00 (94.70 to 95.70): VU037141.D (-2585) (-)

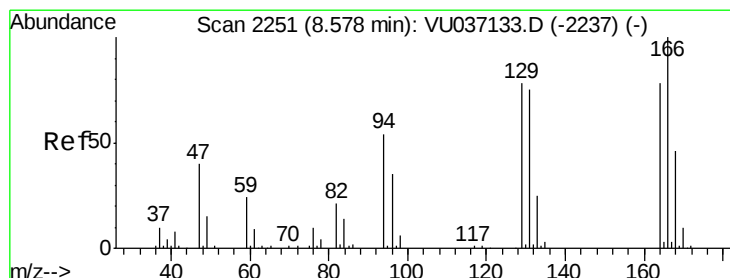
Ion 174.00 (173.70 to 174.70): VU037141.D (-2585) (-)

Ion 176.00 (175.70 to 176.70): VU037141.D (-2585) (-)



sam

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#58
Tetrachloroethene
Concen: 10.557 ug/l
RT: 8.58 min Scan# 2251
Delta R.T. -0.00 min
Lab File: VU037141.D
Acq: 09 Mar 2020 19:25

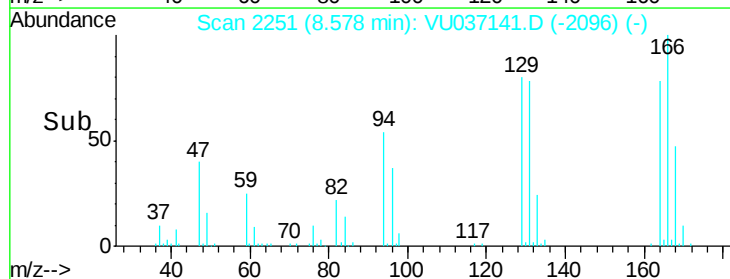
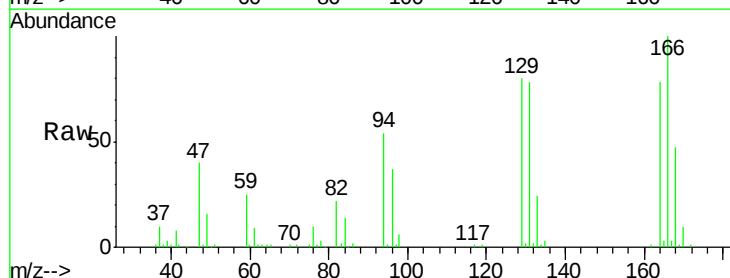
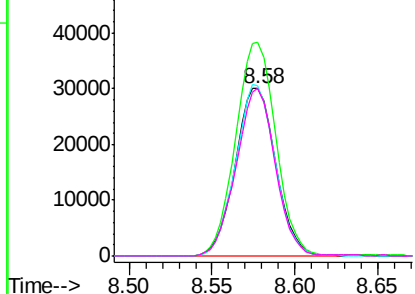
Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.5	102.0	153.0
129	101.5	74.9	112.3
131	99.8	72.6	108.8

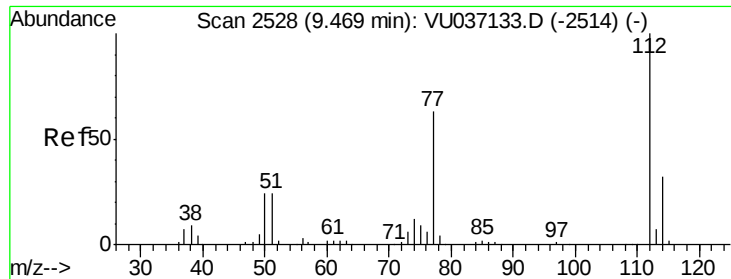
Abundance Ion 163.85 (163.55 to 164.55): VU037141.D (-2096) (-)

Ion 165.80 (165.50 to 166.50): VU037141.D (-2096) (-)

Ion 128.90 (128.60 to 129.60): VU037141.D (-2096) (-)

Ion 130.90 (130.60 to 131.60): VU037141.D (-2096) (-)





#59

Chlorobenzene

Concen: 10.427 ug/l

RT: 9.47 min Scan# 2528

Delta R.T. -0.00 min

Lab File: VU037141.D

Acq: 09 Mar 2020 19:25

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

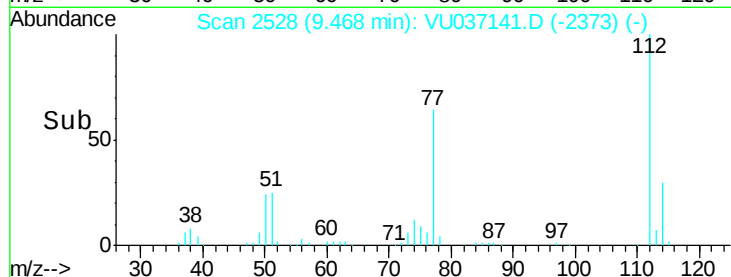
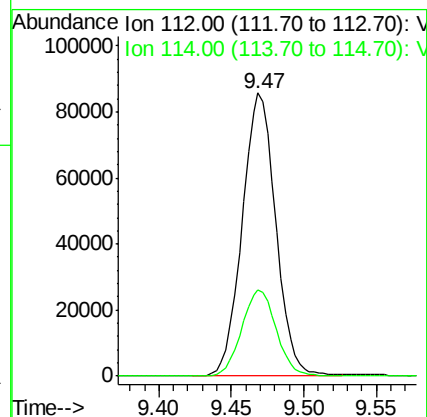
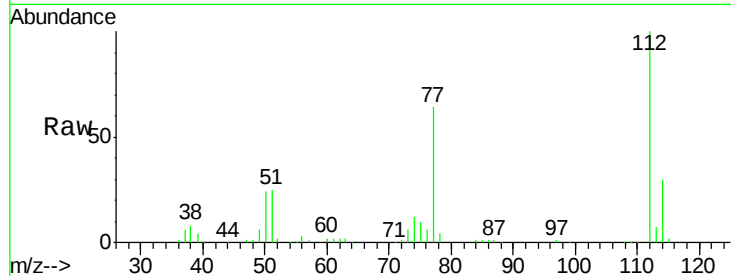
Tot Ion:112 Resp: 138152

Ion Ratio Lower Upper

112 100

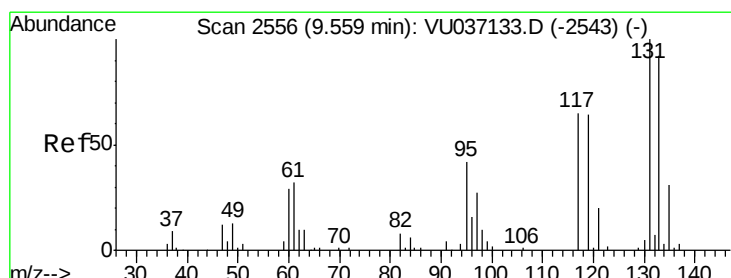
114 30.4 25.8 38.8

Manual Integrations
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#60

1,1,1,2-Tetrachloroethane

Concen: 10.351 ug/l

RT: 9.56 min Scan# 2555

Delta R.T. -0.00 min

Lab File: VU037141.D

Acq: 09 Mar 2020 19:25

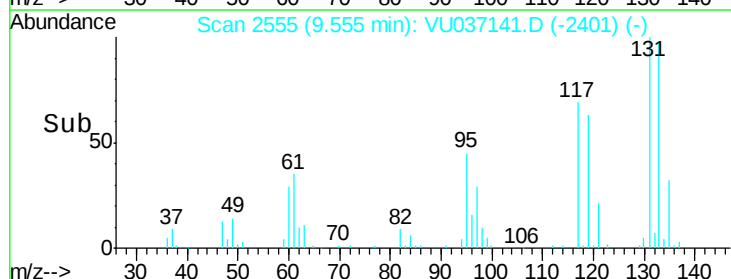
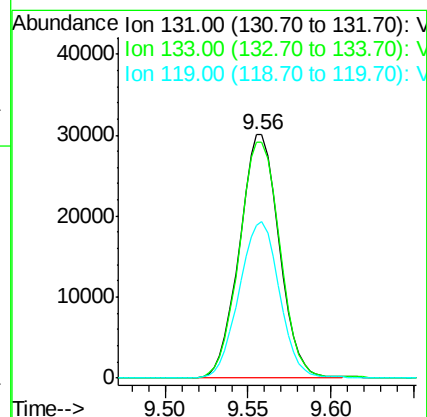
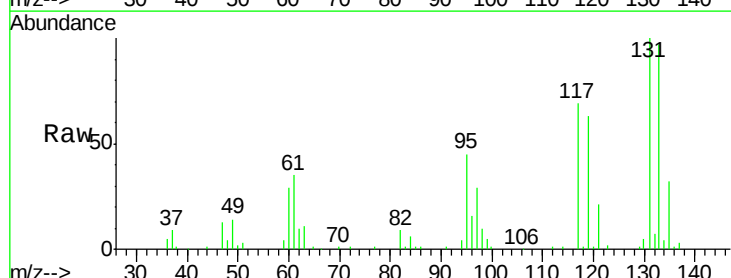
Tgt Ion:131 Resp: 50203

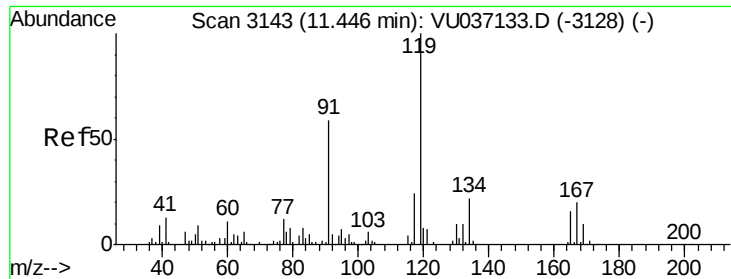
Ion Ratio Lower Upper

131 100

133 99.5 76.4 114.6

119 65.1 56.6 85.0



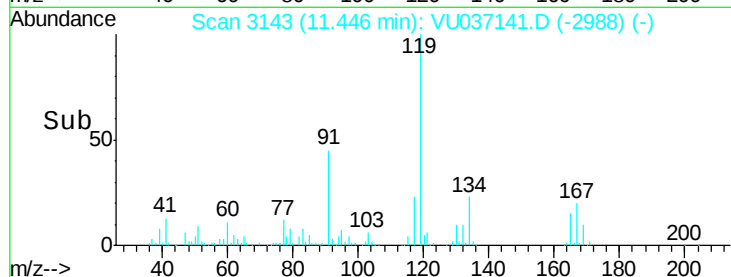
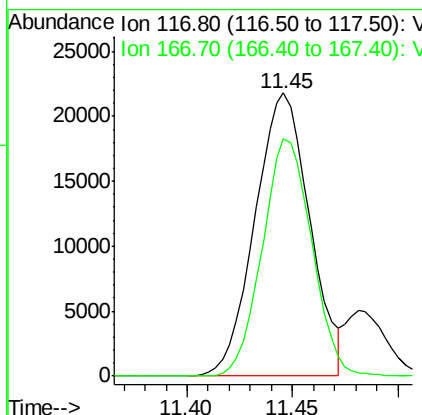
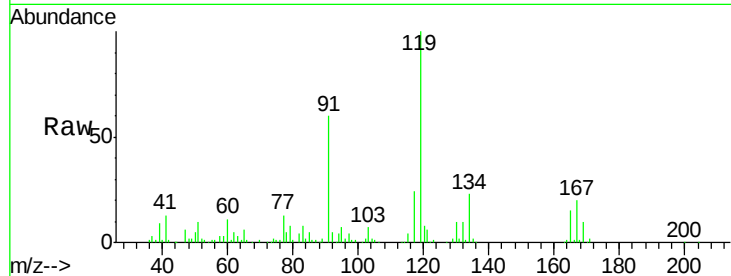


#61
 Pentachloroethane
 Concen: 10.620 ug/l
 RT: 11.45 min Scan# 3143
 Delta R.T. -0.00 min
 Lab File: VU037141.D
 Acq: 09 Mar 2020 19:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

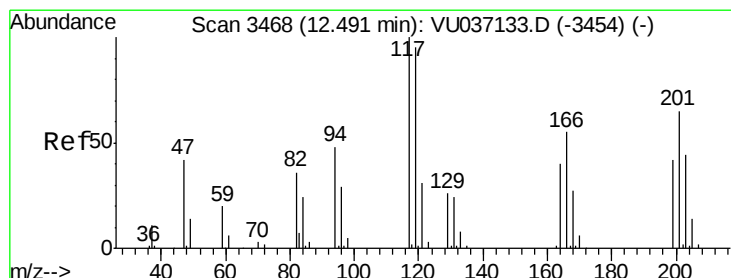
Tot Ion:117 Resp: 39294
 Ion Ratio Lower Upper
 117 100
 167 75.7 66.7 100.1

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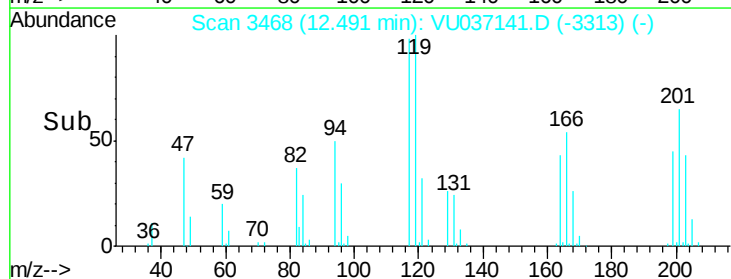
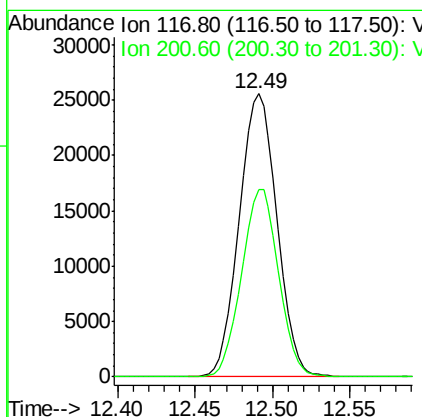
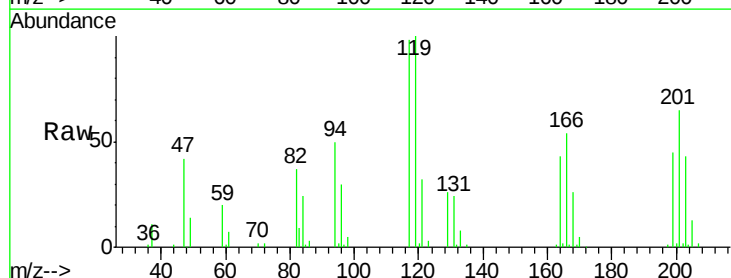
sam

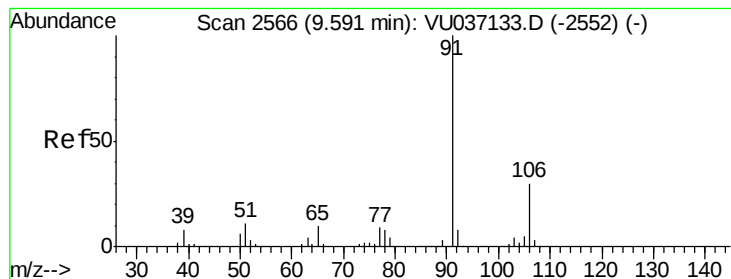
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#62
 Hexachloroethane
 Concen: 10.965 ug/l
 RT: 12.49 min Scan# 3468
 Delta R.T. -0.00 min
 Lab File: VU037141.D
 Acq: 09 Mar 2020 19:25

Tgt Ion:117 Resp: 43431
 Ion Ratio Lower Upper
 117 100
 201 65.0 65.0 97.4





#63

Ethyl Benzene

Concen: 11.133 ug/l

RT: 9.59 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VU037141.D

Acq: 09 Mar 2020 19:25

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 251793

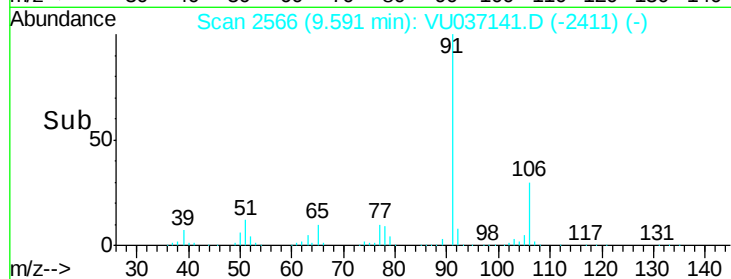
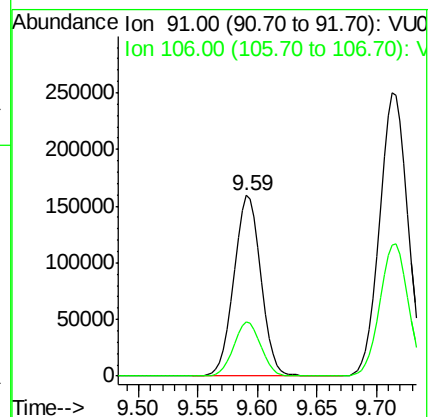
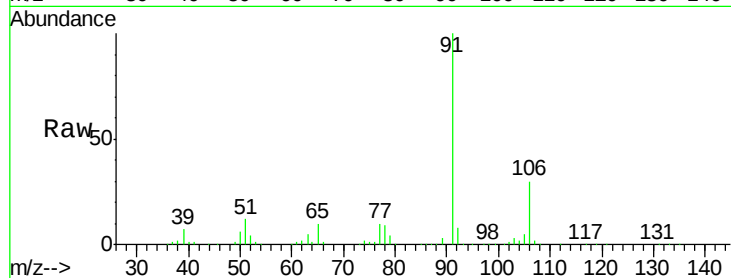
Ion Ratio Lower Upper

91 100

106 30.1 26.0 39.0

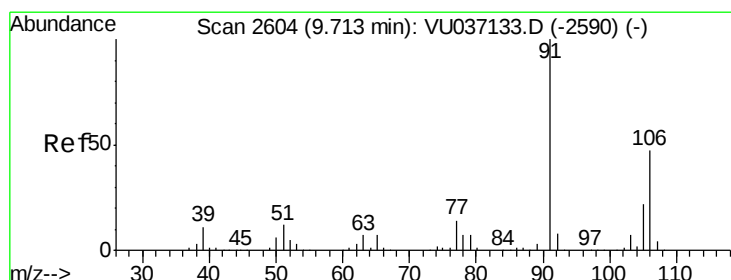
Manual Integrations

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#64

m/p-Xylenes

Concen: 22.625 ug/l

RT: 9.72 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VU037141.D

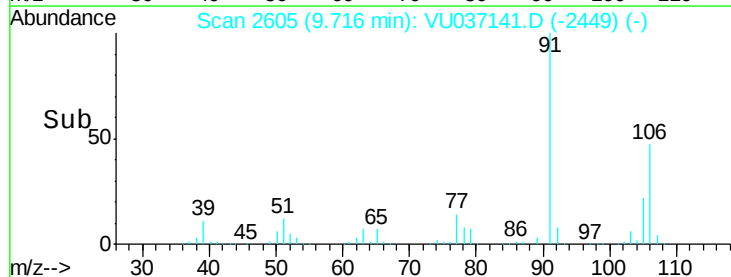
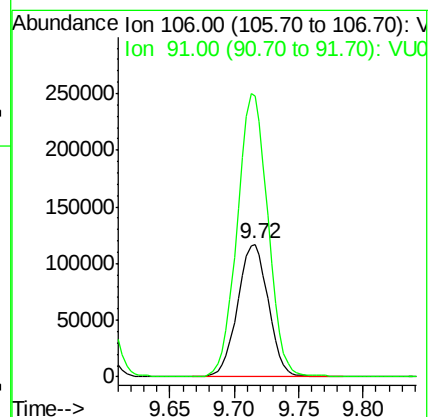
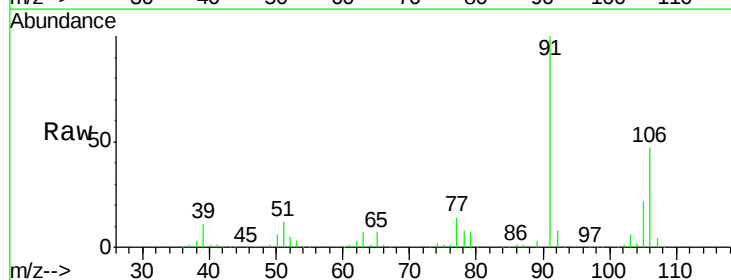
Acq: 09 Mar 2020 19:25

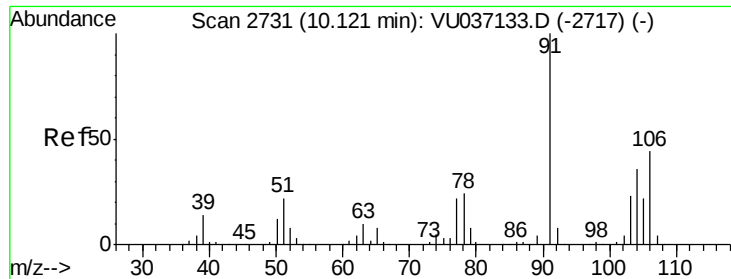
Tgt Ion: 106 Resp: 193714

Ion Ratio Lower Upper

106 100

91 212.5 158.2 237.4



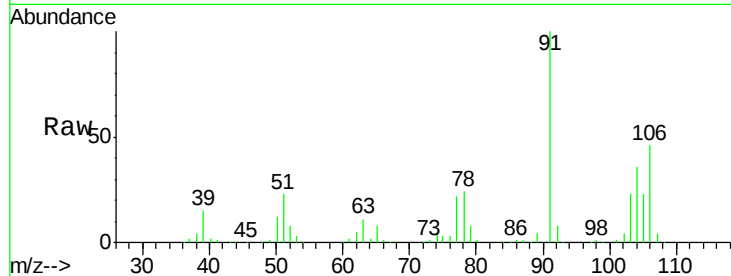


#65
o-Xylene
Concen: 11.191 ug/l
RT: 10.12 min Scan# 2731
Delta R.T. -0.00 min
Lab File: VU037141.D
Acq: 09 Mar 2020 19:25

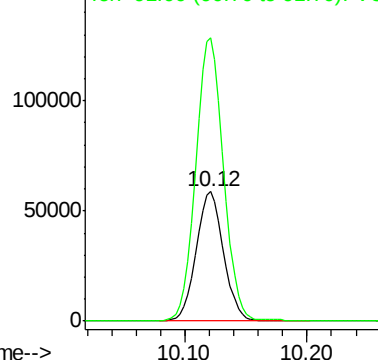
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion:106 Resp: 92453
Ion Ratio Lower Upper
106 100
91 222.0 104.3 312.9

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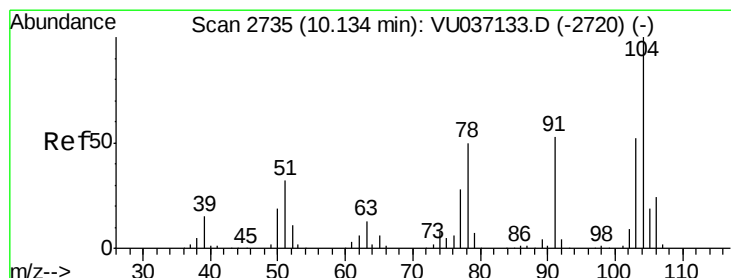
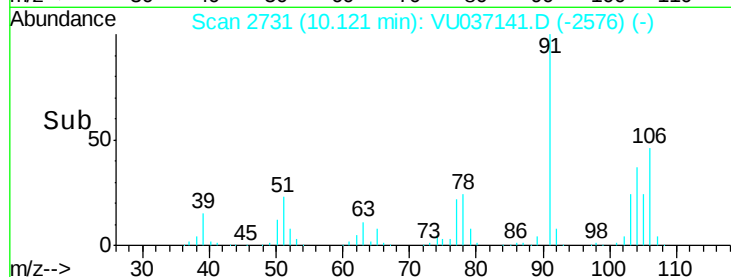


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0



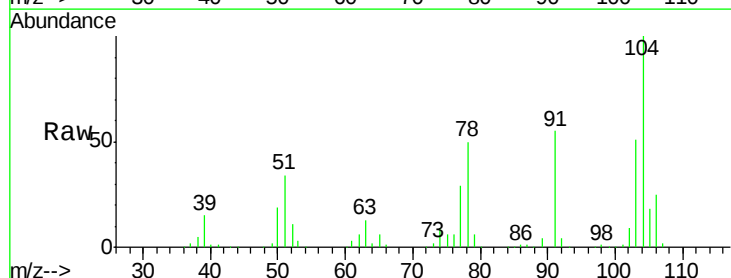
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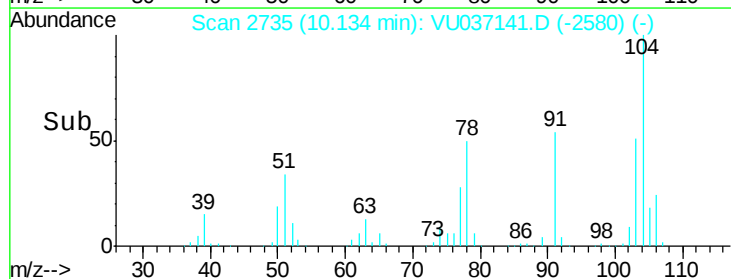
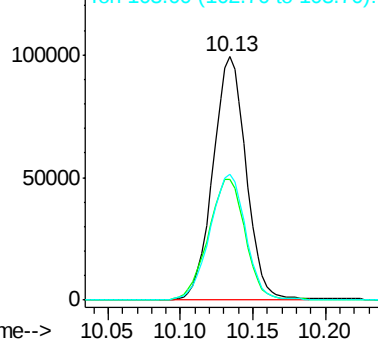


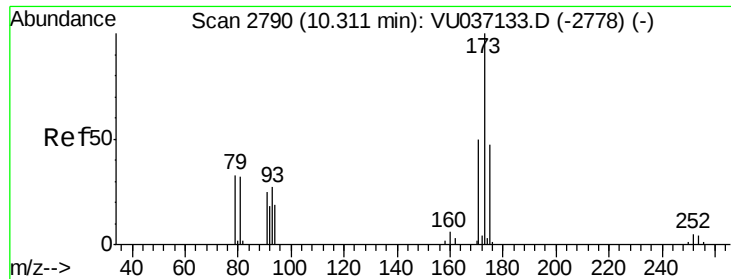
#66
Styrene
Concen: 11.703 ug/l
RT: 10.13 min Scan# 2735
Delta R.T. -0.00 min
Lab File: VU037141.D
Acq: 09 Mar 2020 19:25

Tgt Ion:104 Resp: 158245
Ion Ratio Lower Upper
104 100
78 55.6 38.6 57.8
103 55.9 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



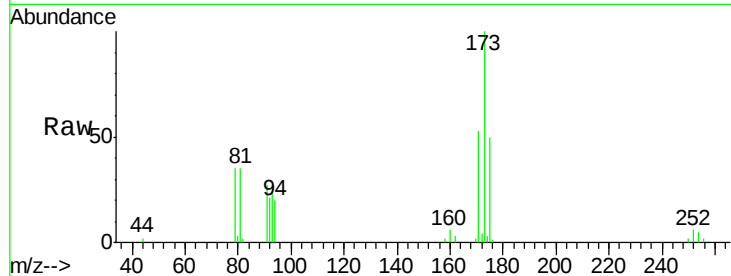


#67
Bromoform
Concen: 11.209 ug/l
RT: 10.31 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VU037141.D
Acq: 09 Mar 2020 19:25

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.7	38.3	57.5
254	4.9	6.6	9.8#

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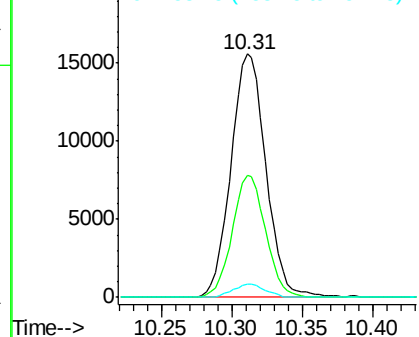


Abundance

Ion 172.90 (172.60 to 173.60): V

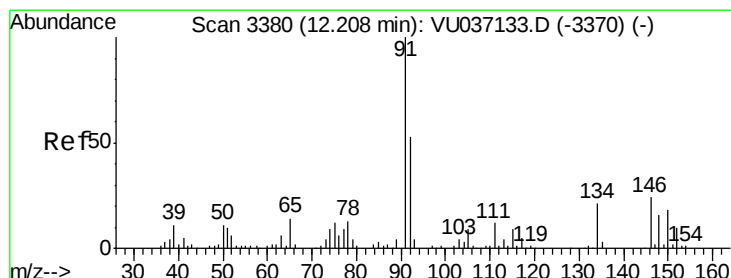
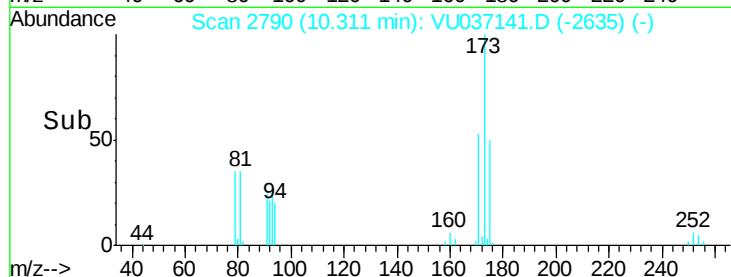
Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V



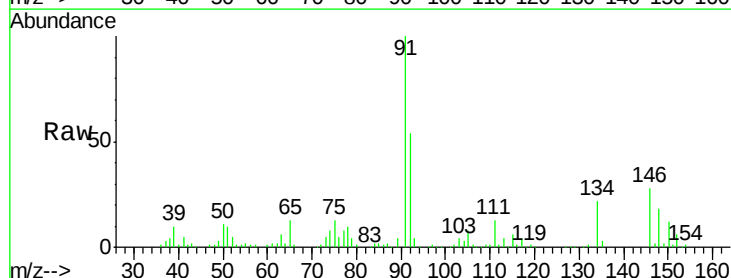
sam

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#68
1,2-Dichlorobenzene-d4
Concen: 1.070 ug/l
RT: 12.21 min Scan# 3381
Delta R.T. 0.00 min
Lab File: VU037141.D
Acq: 09 Mar 2020 19:25

Tgt Ion	Ratio	Lower	Upper
152	100		
115	135.3	0.0	241.8
150	312.0	0.0	652.4

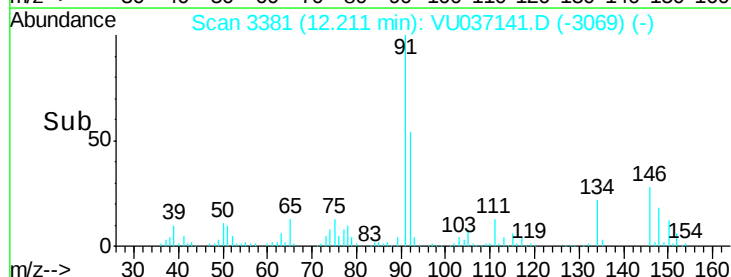
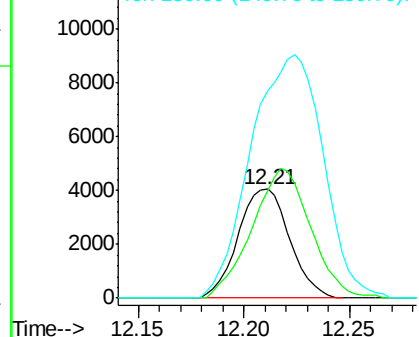


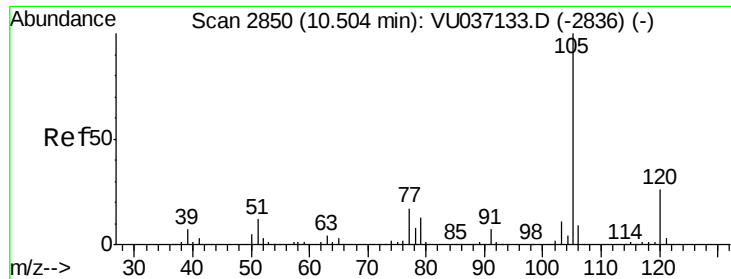
Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 11.131 ug/l

RT: 10.50 min Scan# 2850

Delta R.T. -0.00 min

Lab File: VU037141.D

Acq: 09 Mar 2020 19:25

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

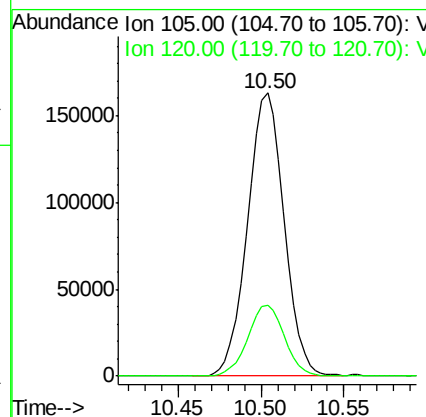
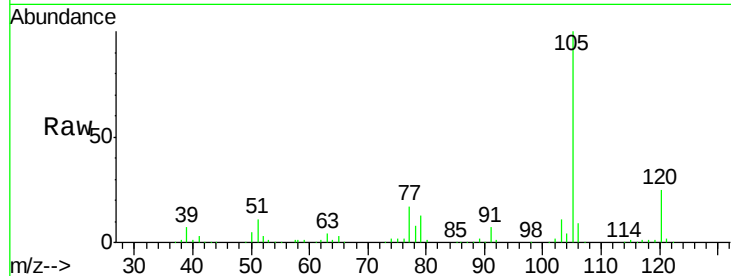
Tot Ion: 105 Resp: 250660

Ion Ratio Lower Upper

105 100

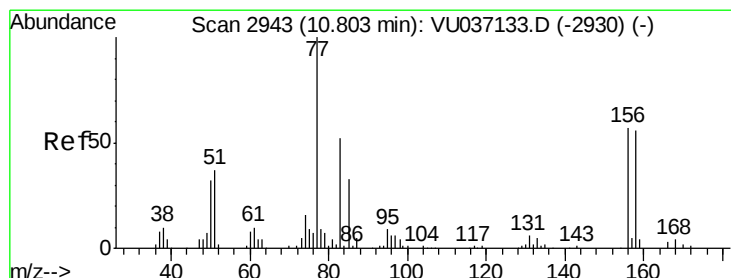
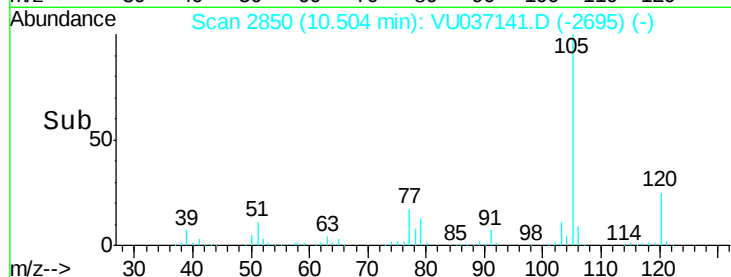
120 25.3 13.6 40.7

Manual Integrations
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#70

1,1,2,2-Tetrachloroethane

Concen: 10.629 ug/l

RT: 10.80 min Scan# 2943

Delta R.T. -0.00 min

Lab File: VU037141.D

Acq: 09 Mar 2020 19:25

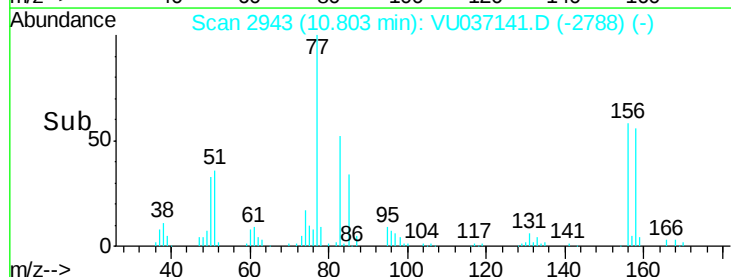
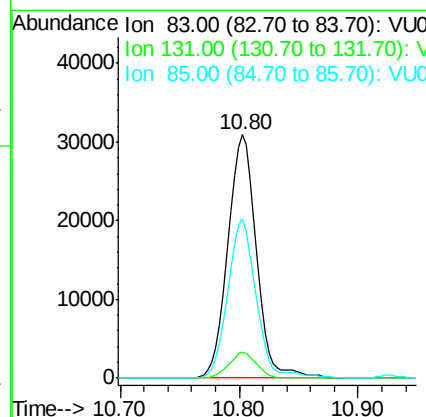
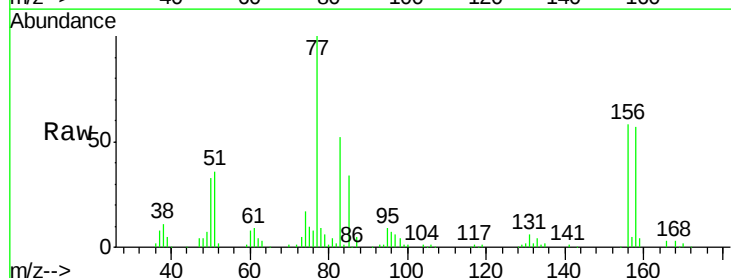
Tgt Ion: 83 Resp: 51585

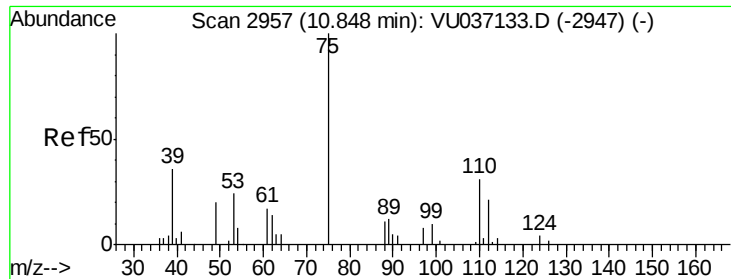
Ion Ratio Lower Upper

83 100

131 10.1 7.8 11.8

85 64.8 53.2 79.8



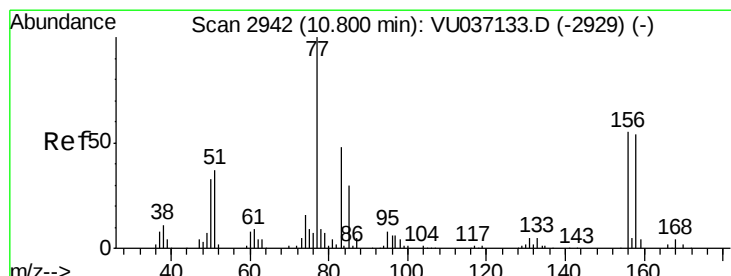
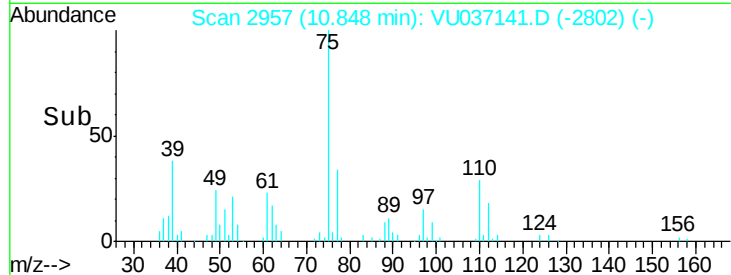
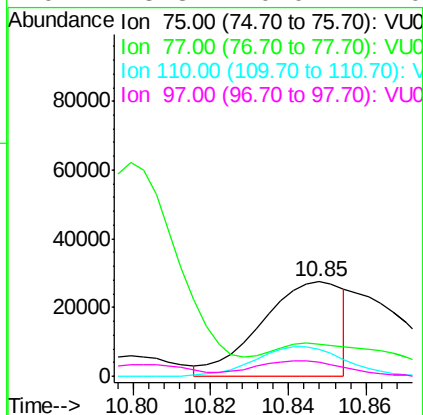
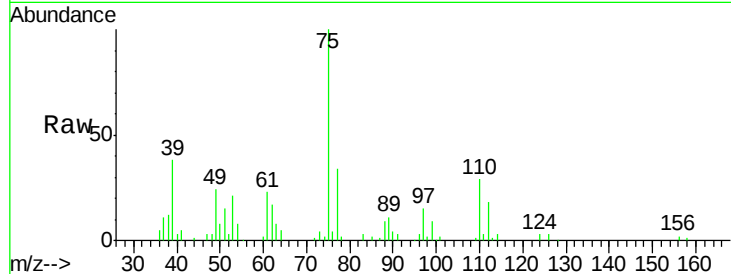


#71
 1,2,3-Trichloropropane
 Concen: 10.159 ug/l m
 RT: 10.85 min Scan# 2957
 Delta R.T. -0.00 min
 Lab File: VU037141.D
 Acq: 09 Mar 2020 19:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

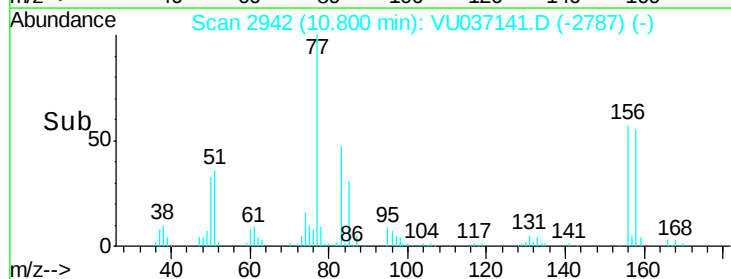
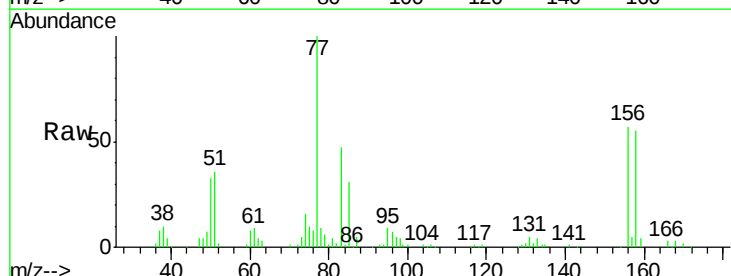
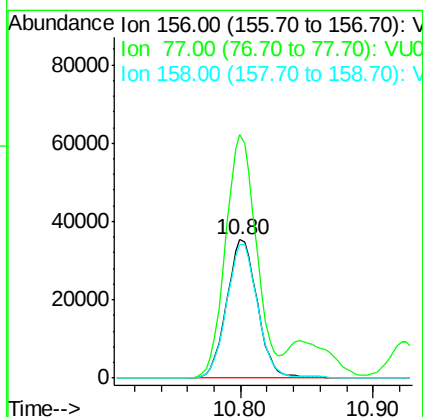
Tot Ion:	75	Resp:	40309
Ion	Ratio	Lower	Upper
75	100		
77	52.7	0.0	129.6
110	34.9	0.0	77.4
97	18.3	0.0	42.0

Manual Integrations
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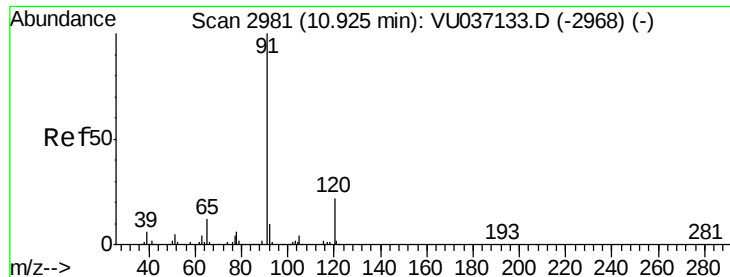
#72
 Bromobenzene
 Concen: 10.453 ug/l
 RT: 10.80 min Scan# 2942
 Delta R.T. -0.00 min
 Lab File: VU037141.D
 Acq: 09 Mar 2020 19:25

Tgt Ion:	156	Resp:	56960
Ion	Ratio	Lower	Upper
156	100		
77	176.7	0.0	306.6
158	97.1	0.0	192.0



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#73

n-propylbenzene

Concen: 11.502 ug/l

RT: 10.92 min Scan# 2981

Delta R.T. -0.00 min

Lab File: VU037141.D

Acq: 09 Mar 2020 19:25

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

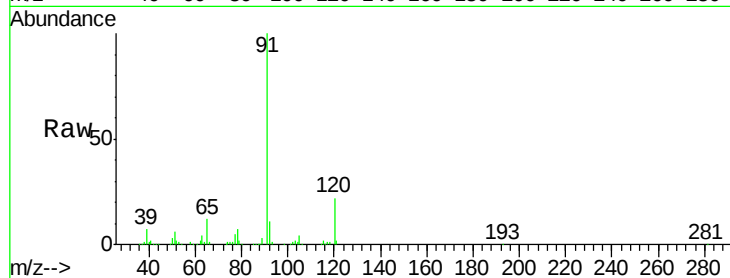
Tot Ion:120 Resp: 68660

Ion Ratio Lower Upper

120 100

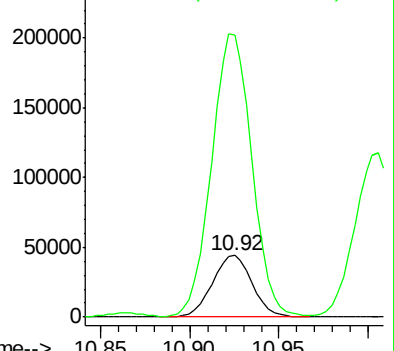
91 461.7 329.5 494.3

Manual Integrations
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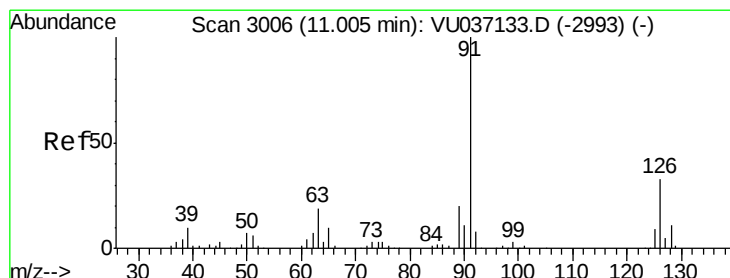
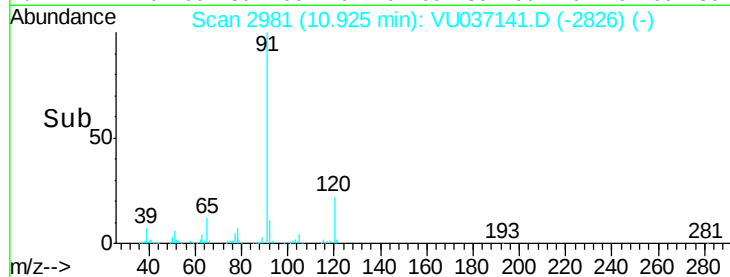
Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



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#74

2-Chlorotoluene

Concen: 11.165 ug/l

RT: 11.01 min Scan# 3006

Delta R.T. -0.00 min

Lab File: VU037141.D

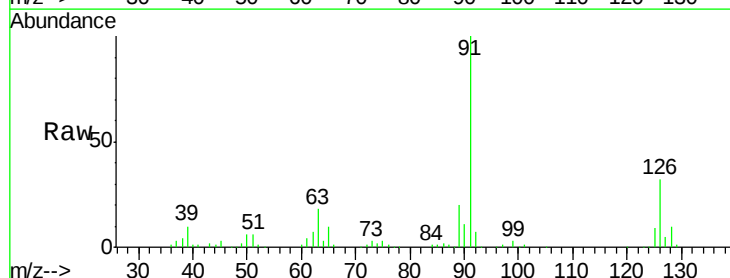
Acq: 09 Mar 2020 19:25

Tgt Ion:126 Resp: 60326

Ion Ratio Lower Upper

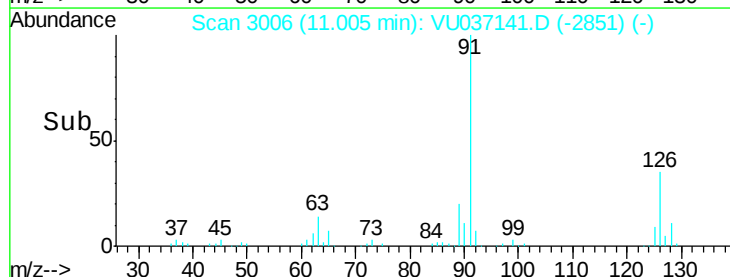
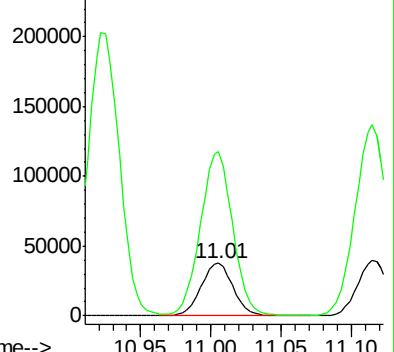
126 100

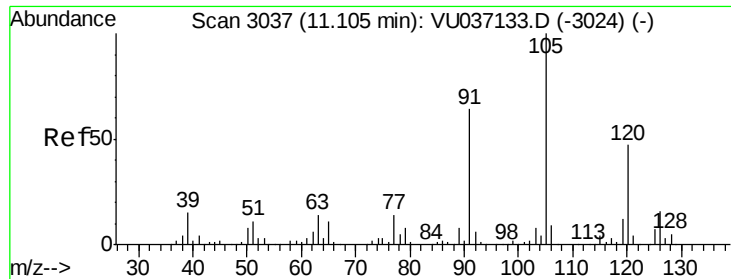
91 310.8 0.0 567.4



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#75

1,3,5-Trimethylbenzene

Concen: 11.611 ug/l

RT: 11.10 min Scan# 3037

Delta R.T. -0.00 min

Lab File: VU037141.D

Acq: 09 Mar 2020 19:25

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

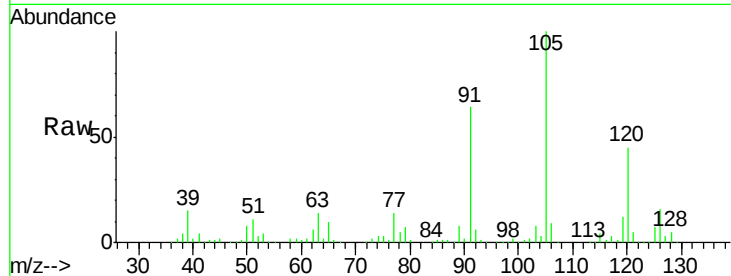
Tot Ion:105 Resp: 226380

Ion Ratio Lower Upper

105 100

120 45.3 39.8 59.8

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

11.10

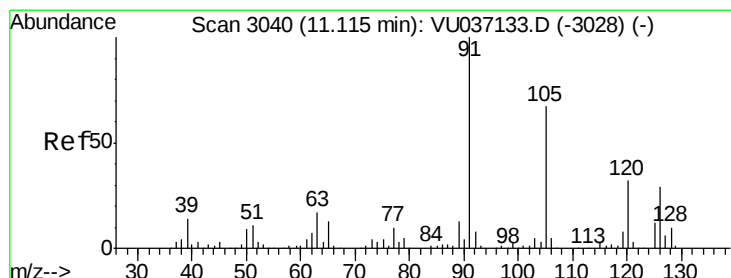
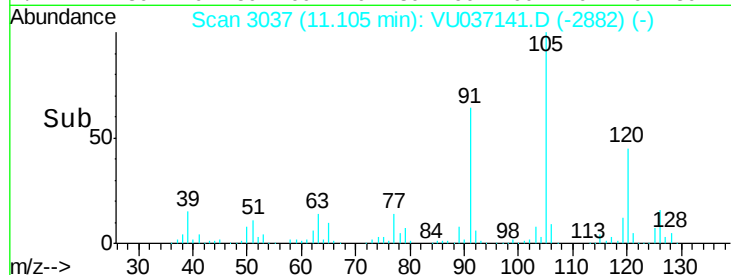
100000

50000

0

Time--> 11.00 11.10 11.20

sam



#76

4-Chlorotoluene

Concen: 11.384 ug/l

RT: 11.11 min Scan# 3040

Delta R.T. -0.00 min

Lab File: VU037141.D

Acq: 09 Mar 2020 19:25

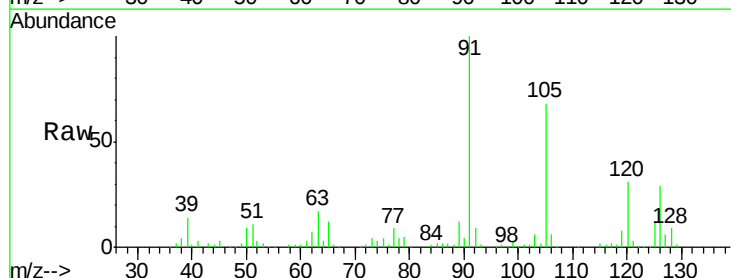
Tgt Ion:126 Resp: 61920

Ion Ratio Lower Upper

126 100

91 363.3 0.0 633.0

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Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0

150000

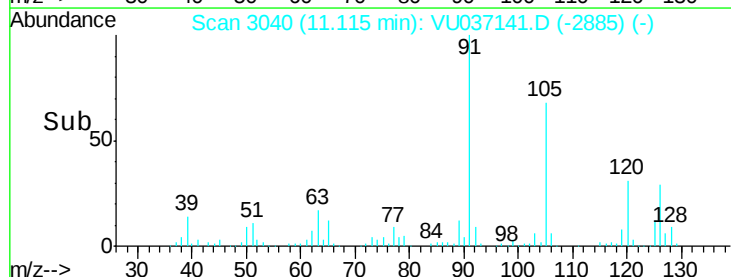
11.11

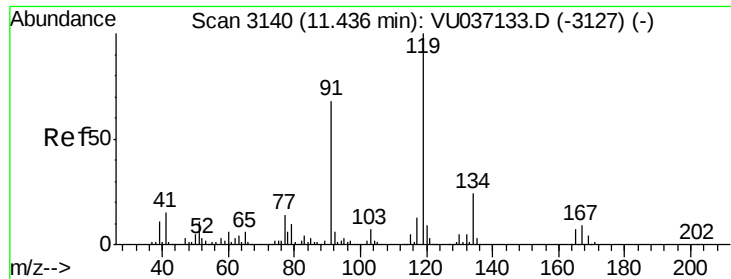
100000

50000

0

Time--> 11.05 11.10 11.15



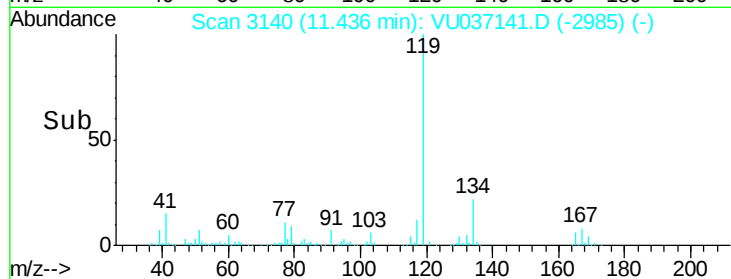
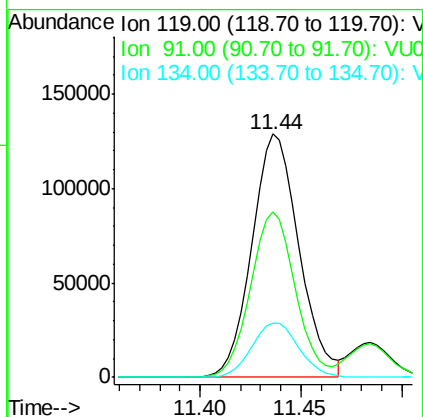
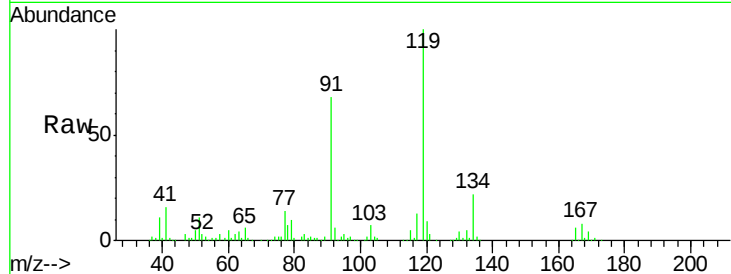


#77
tert-Butylbenzene
Concen: 11.071 ug/l
RT: 11.44 min Scan# 3140
Delta R.T. -0.00 min
Lab File: VU037141.D
Acq: 09 Mar 2020 19:25

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

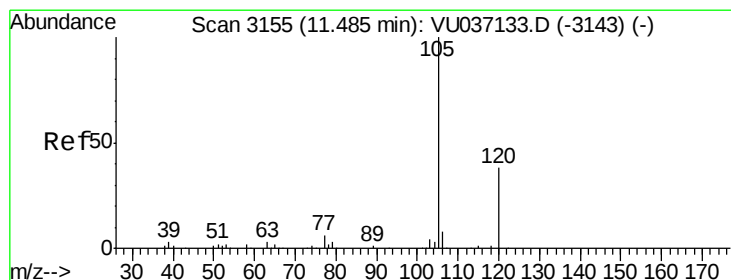
Tot Ion	Ratio	Resp	Lower	Upper
119	100	210415		
91	64.8	29.3	87.8	
134	22.6	19.0	28.4	

Manual Integrations
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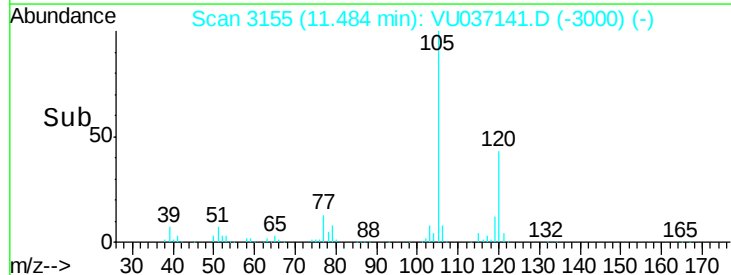
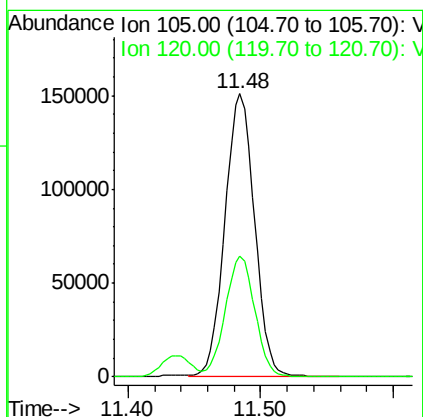
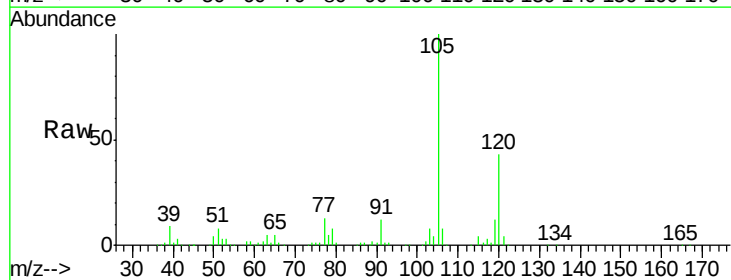
sam

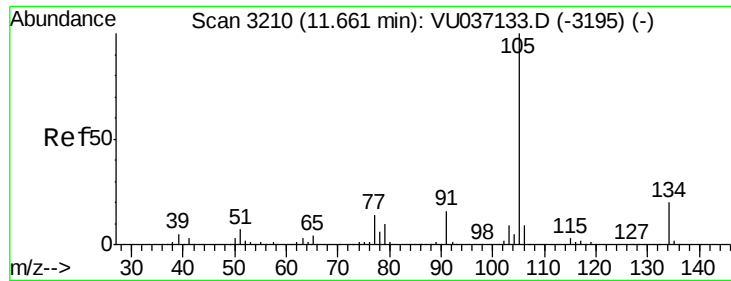
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#78
1,2,4-Trimethylbenzene
Concen: 11.923 ug/l
RT: 11.48 min Scan# 3155
Delta R.T. -0.00 min
Lab File: VU037141.D
Acq: 09 Mar 2020 19:25

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	234651		
120	42.8	23.3	69.8	





#79

sec-Butylbenzene

Concen: 11.314 ug/l

RT: 11.66 min Scan# 3210

Delta R.T. -0.00 min

Lab File: VU037141.D

Acq: 09 Mar 2020 19:25

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

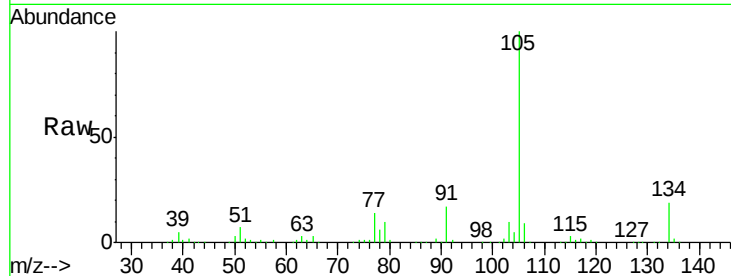
Tot Ion: 105 Resp: 292582

Ion Ratio Lower Upper

105 100

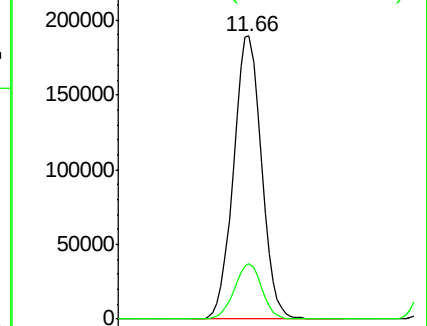
134 19.2 16.0 24.0

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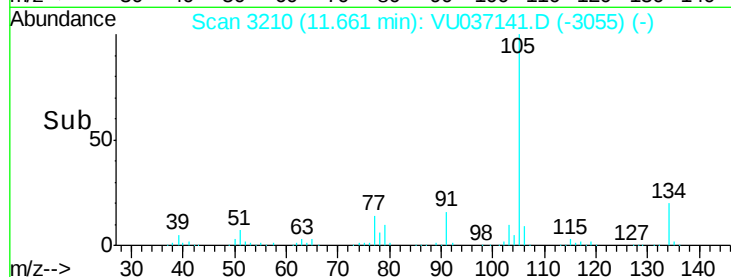


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

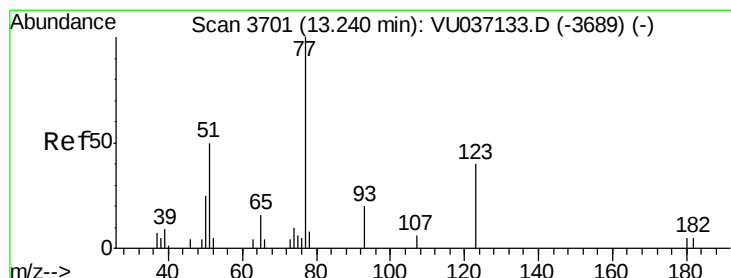


sam



Time-->

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#80

Nitrobenzene

Concen: 55.059 ug/l

RT: 13.24 min Scan# 3701

Delta R.T. -0.00 min

Lab File: VU037141.D

Acq: 09 Mar 2020 19:25

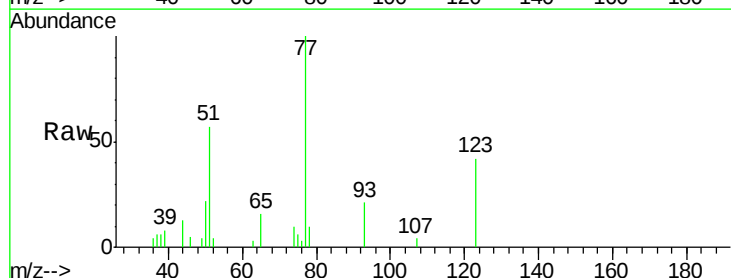
Tgt Ion: 77 Resp: 5849

Ion Ratio Lower Upper

77 100

123 40.2 19.6 69.6

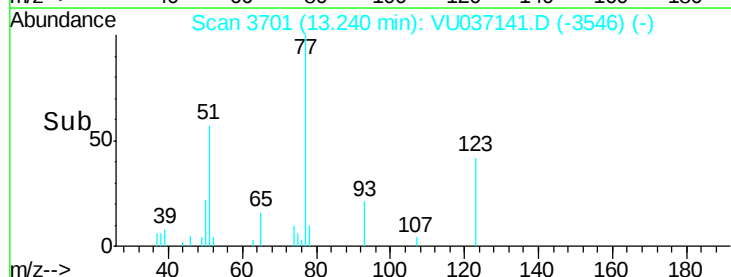
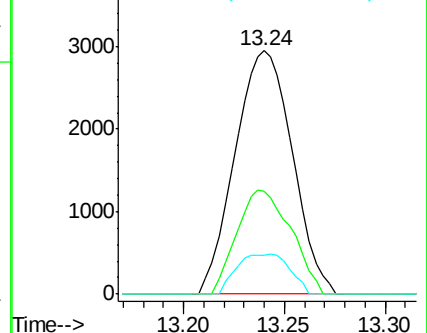
65 15.3 12.7 16.1



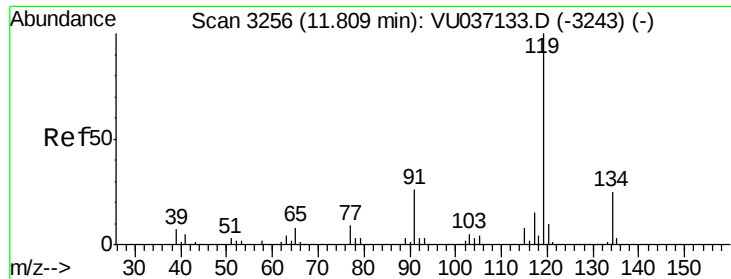
Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0



Time-->



#81

p-Isopropyltoluene

Concen: 11.697 ug/l

RT: 11.81 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VU037141.D

Acq: 09 Mar 2020 19:25

Instrument :

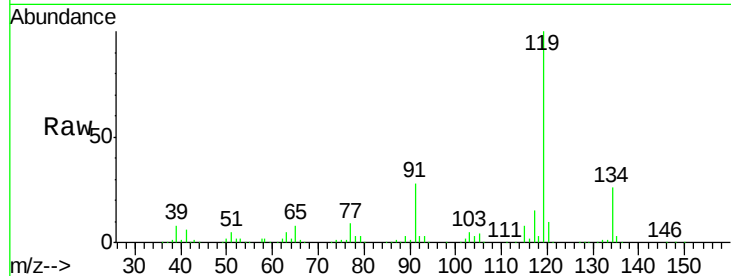
MSVOA_U

ClientSampleId :

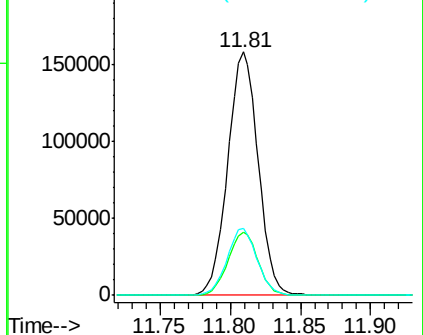
VSTDCCC010EC

Tot Ion:	119	Resp:	238421
Ion Ratio	Lower	Upper	
119	100		
134	25.7	21.4	32.0
91	27.3	18.3	27.5

Manual Integrations
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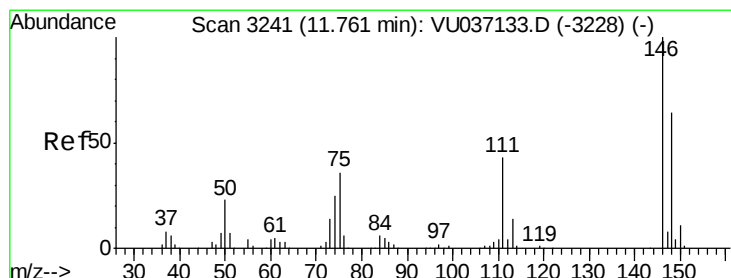
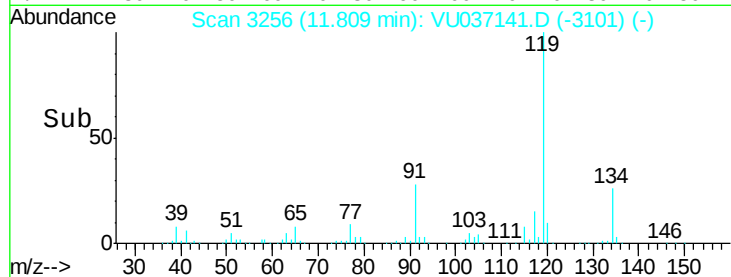


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V



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#82

1,3-Dichlorobenzene

Concen: 10.827 ug/l

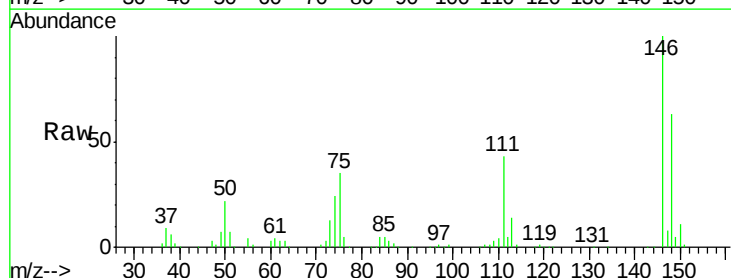
RT: 11.76 min Scan# 3241

Delta R.T. -0.00 min

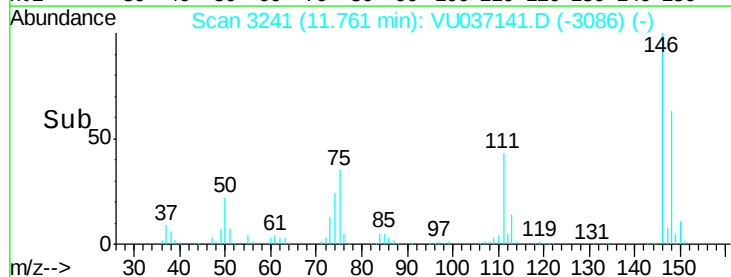
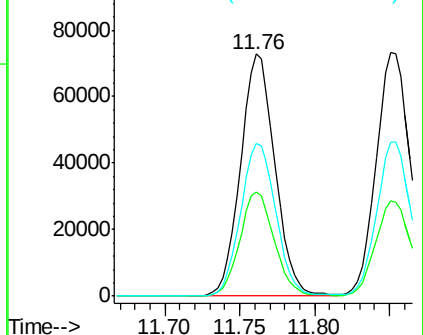
Lab File: VU037141.D

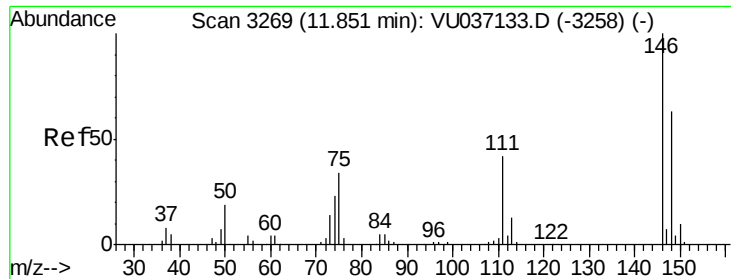
Acq: 09 Mar 2020 19:25

Tgt Ion:	146	Resp:	116891
Ion Ratio	Lower	Upper	
146	100		
111	43.2	32.2	48.2
148	64.4	51.4	77.2



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



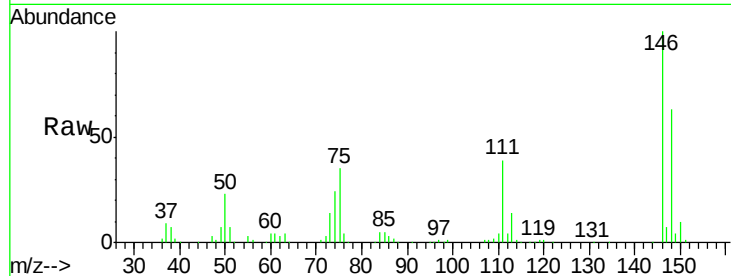


#83
 1,4-Dichlorobenzene
 Concen: 10.799 ug/l
 RT: 11.85 min Scan# 3269
 Delta R.T. -0.00 min
 Lab File: VU037141.D
 Acq: 09 Mar 2020 19:25

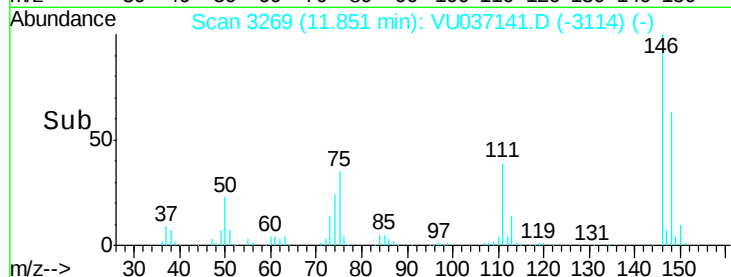
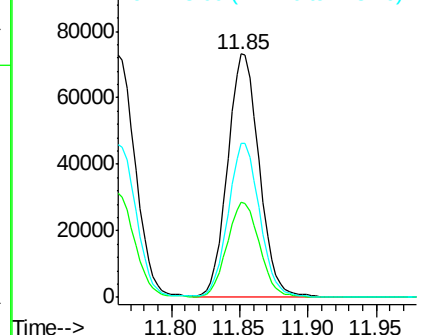
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	30.5	45.7
148	63.3	51.0	76.4

Manual Integrations
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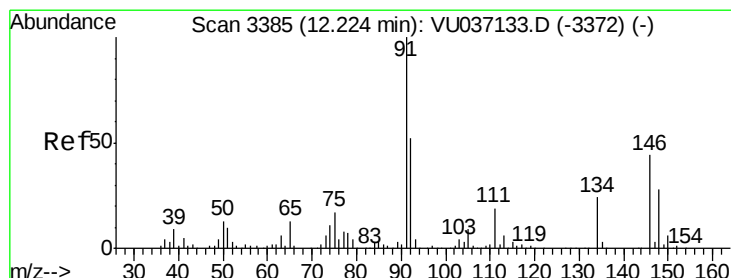


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V



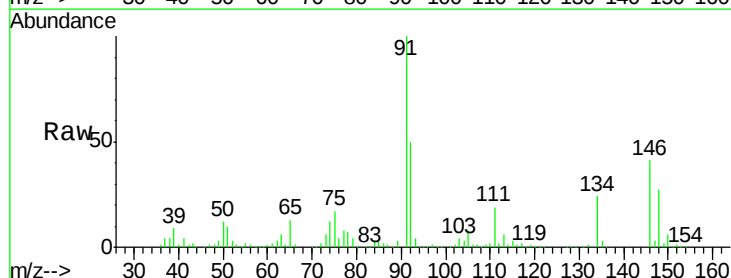
sam

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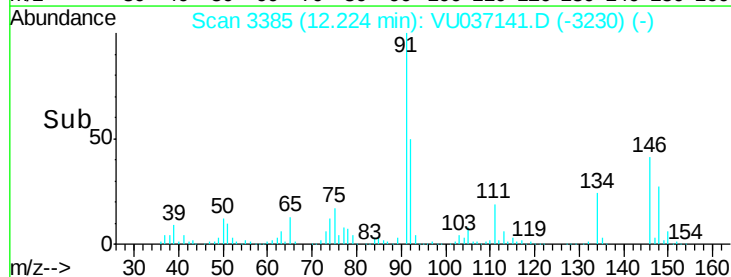
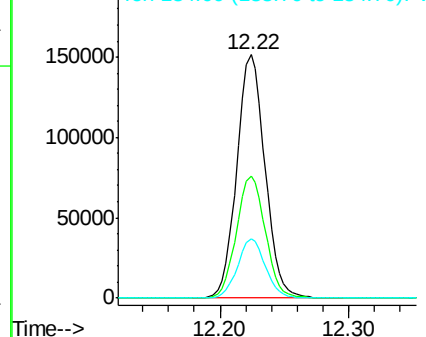


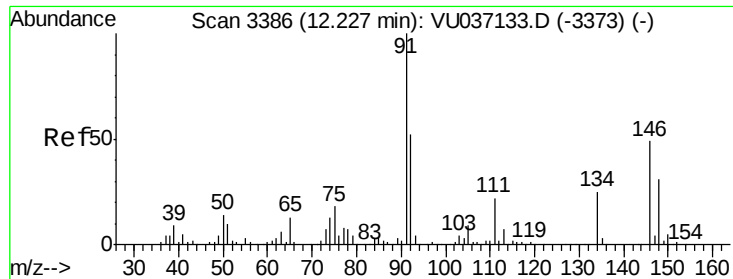
#84
 n-Butylbenzene
 Concen: 11.931 ug/l
 RT: 12.22 min Scan# 3385
 Delta R.T. -0.00 min
 Lab File: VU037141.D
 Acq: 09 Mar 2020 19:25

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.2	42.9	64.3
134	24.0	21.4	32.0



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



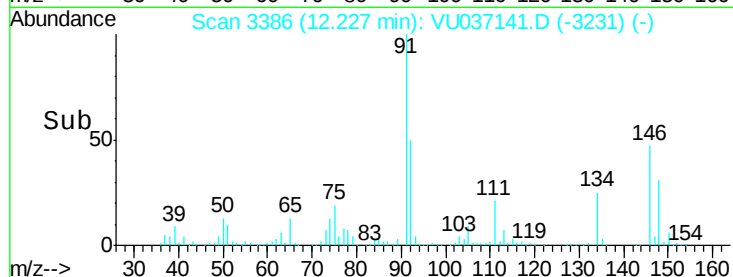
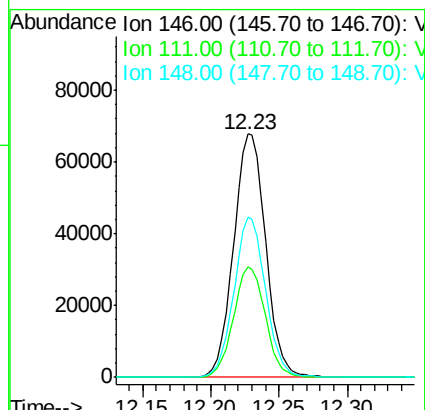
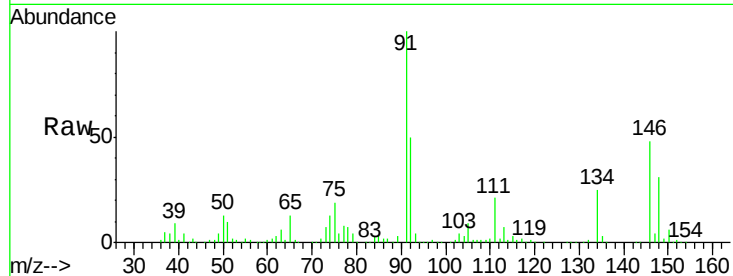


#85
 1,2-Dichlorobenzene
 Concen: 10.602 ug/l
 RT: 12.23 min Scan# 3386
 Delta R.T. -0.00 min
 Lab File: VU037141.D
 Acq: 09 Mar 2020 19:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

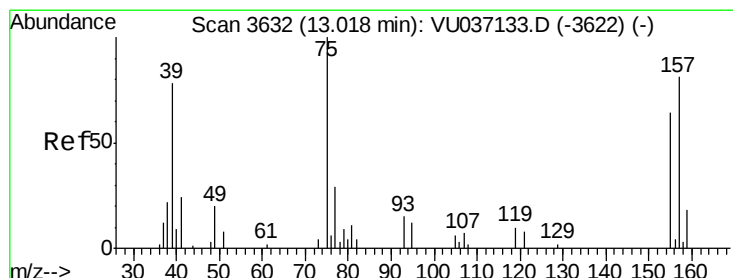
Tot Ion	Ratio	Lower	Upper
146	100		
111	45.1	20.8	62.4
148	64.8	32.0	96.2

Manual Integrations
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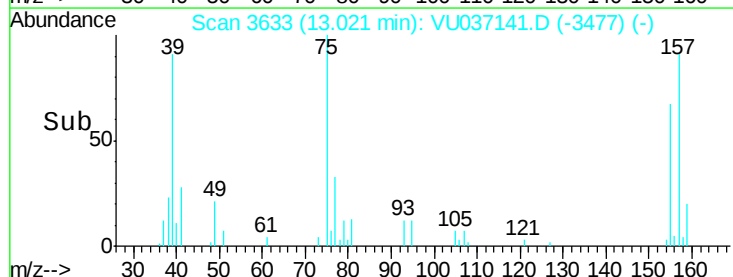
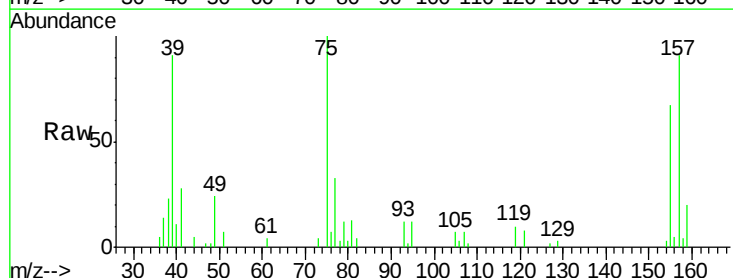
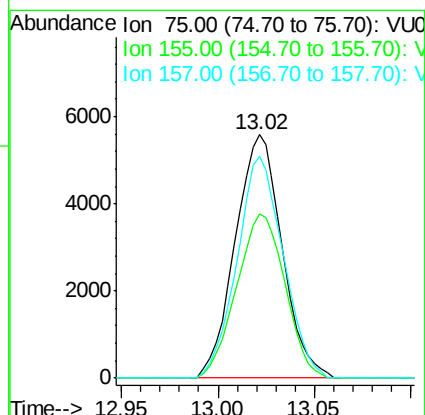
sam

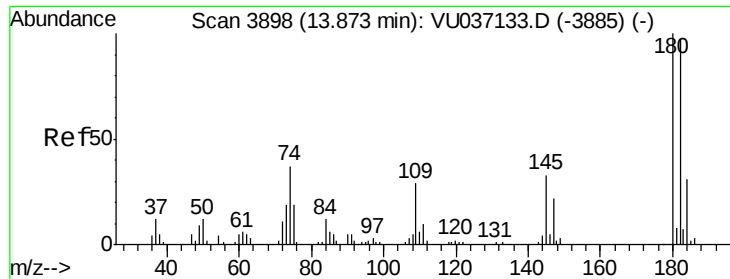
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#86
 1,2-Dibromo-3-Chloropropane
 Concen: 10.948 ug/l
 RT: 13.02 min Scan# 3633
 Delta R.T. 0.00 min
 Lab File: VU037141.D
 Acq: 09 Mar 2020 19:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	69.8	71.8	107.8#
157	90.0	92.4	138.6#



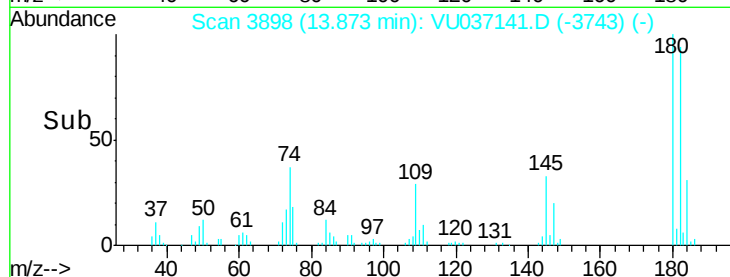
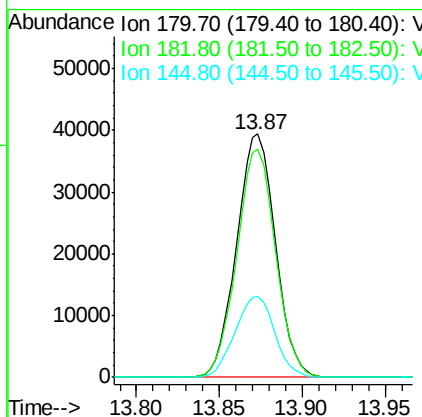
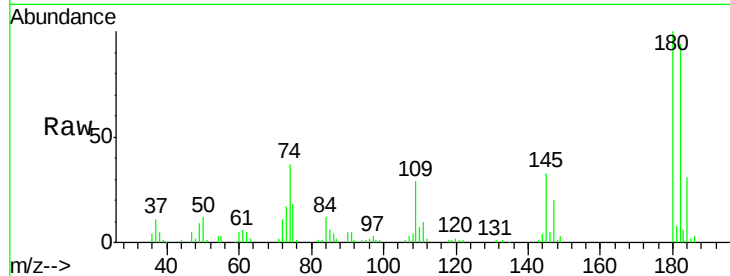


#87
 1,2,4-Trichlorobenzene
 Concen: 12.216 ug/l
 RT: 13.87 min Scan# 3898
 Delta R.T. -0.00 min
 Lab File: VU037141.D
 Acq: 09 Mar 2020 19:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

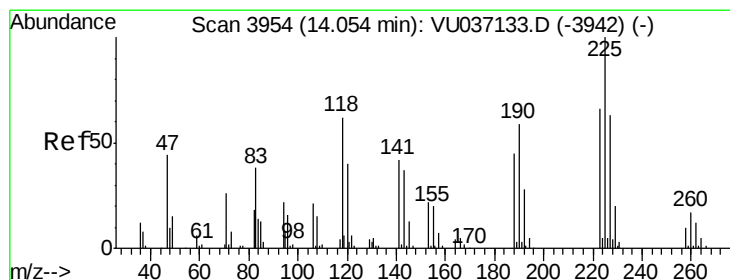
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.6	75.9	113.9
145	33.9	23.4	35.2

Manual Integrations
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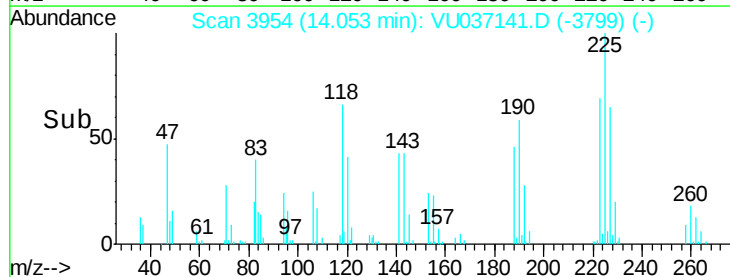
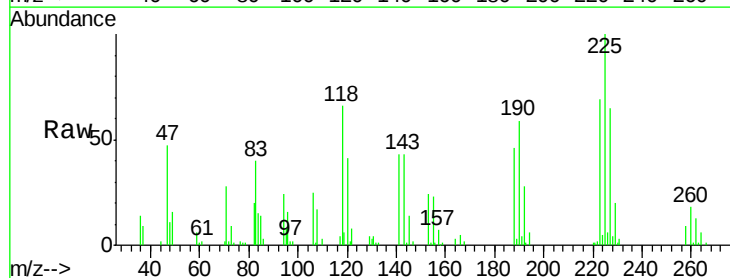
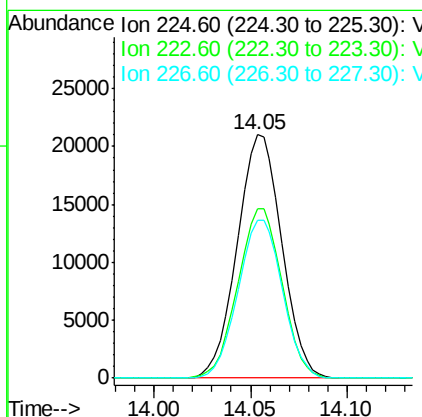
sam

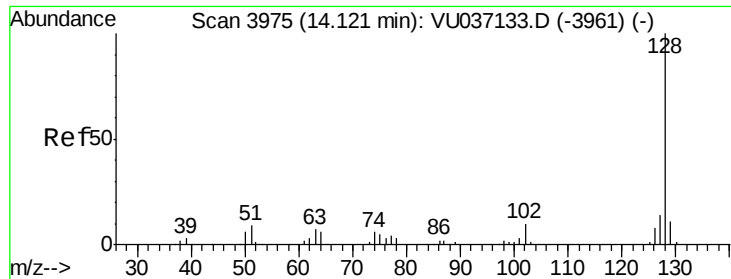
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#88
 Hexachlorobutadiene
 Concen: 10.353 ug/l
 RT: 14.05 min Scan# 3954
 Delta R.T. -0.00 min
 Lab File: VU037141.D
 Acq: 09 Mar 2020 19:25

Tgt Ion	Ratio	Lower	Upper
225	100		
223	68.8	51.7	77.5
227	64.6	50.6	75.8



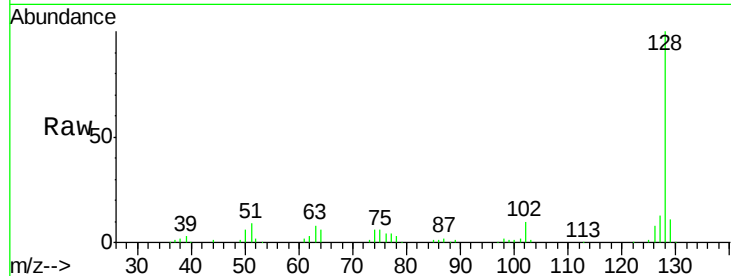


#89
Naphthalene
Concen: 12.819 ug/l
RT: 14.12 min Scan# 3975
Delta R.T. -0.00 min
Lab File: VU037141.D
Acq: 09 Mar 2020 19:25

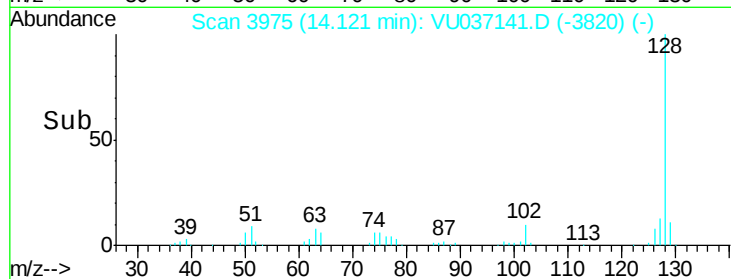
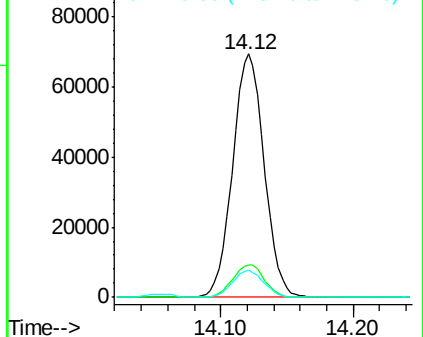
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.5	15.7
129	11.1	8.7	13.1

Manual Integrations
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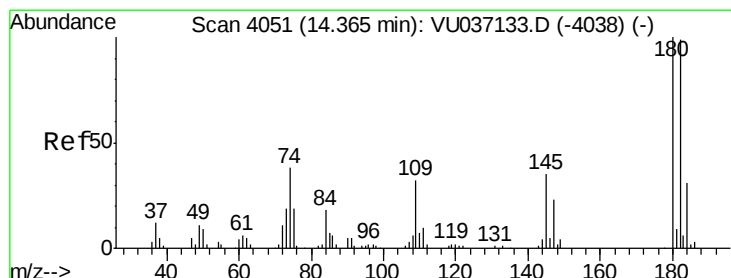


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



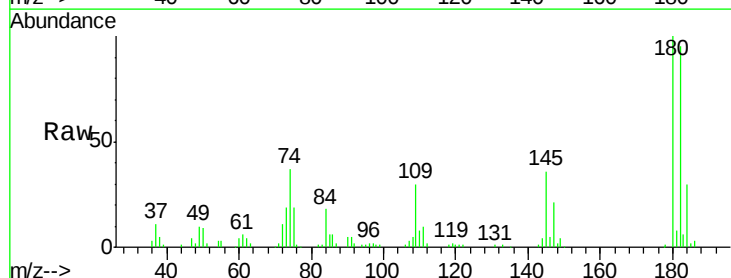
sam

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#90
1,2,3-Trichlorobenzene
Concen: 12.047 ug/l
RT: 14.37 min Scan# 4051
Delta R.T. -0.00 min
Lab File: VU037141.D
Acq: 09 Mar 2020 19:25

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	76.2	114.4
145	35.0	25.2	37.8



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

