

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U012320\
 Data File : VU036546.D
 Acq On : 23 Jan 2020 18:23
 Operator : JC/MD
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 Client Sample ID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

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Quant Time: Jan 24 03:15:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U012220DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Jan 23 08:59:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	6.15	96	35634	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.65	95	13072	0.97	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.00%	
68) 1,2-Dichlorobenzene-d4	12.21	152	13466	0.98	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.40	85	116168	9.862	ug/l	100
3) Chloromethane	1.54	50	132706	10.509	ug/l	99
4) Vinyl Chloride	1.62	62	140559	9.827	ug/l	98
5) Bromomethane	1.87	94	74472	8.379	ug/l	99
6) Chloroethane	1.95	64	74395	8.780	ug/l	100
7) Trichlorofluoromethane	2.16	101	139948	9.903	ug/l	100
8) 1,1,2-Trichloro-1,2,2-trif	2.61	101	88844	10.092	ug/l	97
9) 1,1-Dichloroethene	2.61	96	92153	9.834	ug/l	99
10) Iodomethane	2.75	142	106619	8.414	ug/l	99
11) Allyl Chloride	2.95	41	125170	9.661	ug/l	100
12) Acrylonitrile	3.37	53	43343	18.858	ug/l	97
13) Acetone	2.67	43	68497	43.850	ug/l	99
14) Carbon Disulfide	2.82	76	313500	9.660	ug/l	100
15) Methylene Chloride	3.08	84	107156	8.682	ug/l	97
16) trans-1,2-Dichloroethene	3.39	96	100293	9.703	ug/l	99
17) 1,1-Dichloroethane	3.91	63	167208	9.926	ug/l	100
18) 2-Butanone	4.78	43	110523	44.791	ug/l	99
19) Cyclohexane	5.43	56	151108m	9.814	ug/l	
20) Methylcyclohexane	6.80	83	173364	10.085	ug/l	100
21) 2,2-Dichloropropane	4.71	77	142601	9.916	ug/l	100
22) cis-1,2-Dichloroethene	4.71	96	105081	9.798	ug/l	98
23) Diethyl Ether	2.41	59	72139	9.966	ug/l	98
24) tert-Butyl Alcohol	3.27	59	63373	97.962	ug/l	99
25) Methyl tert-Butyl Ether	3.42	73	240514	9.795	ug/l	98
26) Bromochloromethane	5.02	128	45432	9.781	ug/l	100
27) Chloroform	5.13	83	165146	9.912	ug/l	98
28) 1,1,1-Trichloroethane	5.36	97	141184	10.105	ug/l	99
29) 1,1-Dichloropropene	5.56	75	133700	9.805	ug/l	99
30) Carbon Tetrachloride	5.56	117	119469	9.986	ug/l	99
31) Isopropyl Ether	4.06	45	254481	9.952	ug/l	100
32) Ethyl-t-butyl ether	4.56	59	264993	9.905	ug/l	99
33) Tert-Amyl methyl ether	5.99	73	242956	9.918	ug/l	100
34) Propionitrile	4.84	54	34513	48.523	ug/l	96
35) Benzene	5.81	78	387877	9.824	ug/l	99
36) 1,2-Dichloroethane	5.84	62	106210	9.993	ug/l	100
37) Trichloroethene	6.58	130	106133	9.736	ug/l	99
38) 1,2-Dichloropropane	6.83	63	98094	9.881	ug/l	99
39) Methacrylonitrile	5.03	41	29441	9.849	ug/l	98
40) Methyl acrylate	4.90	55	51525	10.875	ug/l	100
41) Tetrahydrofuran	5.12	42	29701	18.237	ug/l	97
42) 1-Chlorobutane	5.50	56	174479	9.877	ug/l	100

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Manual Integrations
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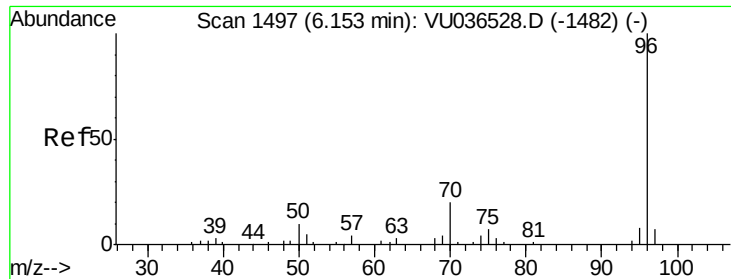
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Quant Time: Jan 24 03:15:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U012220DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

43) Dibromomethane	6.96	93	50659	9.777	ug/l	100
44) Bromodichloromethane	7.14	83	122807	10.020	ug/l	98
45) 4-Methyl-2-Pentanone	7.83	43	280651	48.075	ug/l	99
46) t-1,4-Dichloro-2-butene	10.86	75	50797m	19.758	ug/l	
47) Methyl methacrylate	7.00	69	97807	19.262	ug/l	99
48) Ethyl methacrylate	8.37	69	96260	9.815	ug/l	99
49) Toluene	8.00	92	248396	9.855	ug/l	99
50) t-1,3-Dichloropropene	8.24	75	122836	10.058	ug/l	98
51) cis-1,3-Dichloropropene	7.64	75	149475	10.098	ug/l	98
52) 1,1,2-Trichloroethane	8.43	97	73052	9.937	ug/l	97
53) 1,3-Dichloropropane	8.61	76	125022	9.922	ug/l	99
54) 2-Hexanone	8.72	43	194796	47.580	ug/l	99
55) Dibromochloromethane	8.84	129	85471	10.098	ug/l	99
56) 1,2-Dibromoethane	8.95	107	69904	9.875	ug/l	98
58) Tetrachloroethene	8.58	164	91926	8.437	ug/l	99
59) Chlorobenzene	9.47	112	278688	9.927	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.56	131	91247	10.176	ug/l	100
61) Pentachloroethane	11.45	117	72420	12.518	ug/l	98
62) Hexachloroethane	12.50	117	74392	10.090	ug/l	99
63) Ethyl Benzene	9.60	91	467002	9.925	ug/l	99
64) m/p-Xylenes	9.72	106	368214	19.771	ug/l	100
65) o-Xylene	10.12	106	178202	9.881	ug/l	99
66) Styrene	10.14	104	298471	9.882	ug/l	100
67) Bromoform	10.32	173	49101	10.132	ug/l	98
69) Isopropylbenzene	10.51	105	471508	9.952	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.81	83	92911	10.017	ug/l	97
71) 1,2,3-Trichloropropane	10.86	75	61047m	9.224	ug/l	
72) Bromobenzene	10.81	156	112431	9.850	ug/l	99
73) n-propylbenzene	10.93	120	132893	9.997	ug/l	98
74) 2-Chlorotoluene	11.01	126	111782	9.790	ug/l	97
75) 1,3,5-Trimethylbenzene	11.11	105	401347	9.877	ug/l	99
76) 4-Chlorotoluene	11.12	126	115136	9.759	ug/l	95
77) tert-Butylbenzene	11.44	119	392653	10.197	ug/l	98
78) 1,2,4-Trimethylbenzene	11.49	105	414296	9.888	ug/l	99
79) sec-Butylbenzene	11.66	105	527731	9.879	ug/l	100
80) Nitrobenzene	13.23	77	6567	49.338	ug/l	93
81) p-Isopropyltoluene	11.81	119	444736	9.960	ug/l	100
82) 1,3-Dichlorobenzene	11.77	146	221934	9.718	ug/l	100
83) 1,4-Dichlorobenzene	11.86	146	220172	9.646	ug/l	99
84) n-Butylbenzene	12.23	91	416182	10.079	ug/l	100
85) 1,2-Dichlorobenzene	12.23	146	209922	9.606	ug/l	100
86) 1,2-Dibromo-3-Chloropropan	13.02	75	14707	9.367	ug/l	97
87) 1,2,4-Trichlorobenzene	13.86	180	145028	10.375	ug/l	99
88) Hexachlorobutadiene	14.04	225	76046	9.926	ug/l	98
89) Naphthalene	14.10	128	252200	10.472	ug/l	100
90) 1,2,3-Trichlorobenzene	14.35	180	132285	10.062	ug/l	99

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.15 min Scan# 1497

Delta R.T. -0.00 min

Lab File: VU036546.D

Acq: 23 Jan 2020 18:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 96 Resp: 35634

Ion Ratio Lower Upper

96 100

70 20.0 15.6 23.4

95 9.0 7.0 10.6

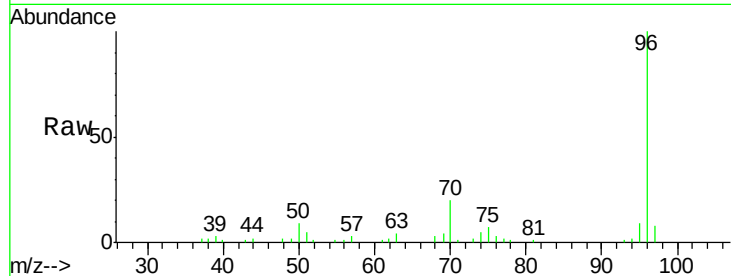
97 0.0 0.0 0.0

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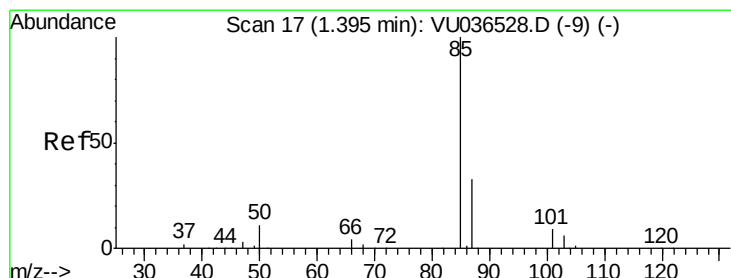
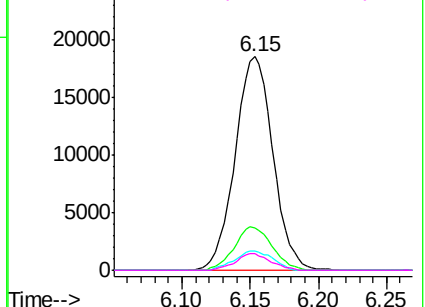
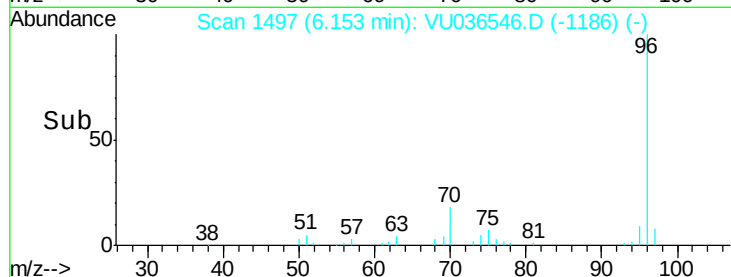


Abundance Ion 96.00 (95.70 to 96.70): VU036528.D (-1482) (-)

Ion 70.00 (69.70 to 70.70): VU036528.D (-1482) (-)

Ion 95.00 (94.70 to 95.70): VU036528.D (-1482) (-)

Ion 97.00 (96.70 to 97.70): VU036528.D (-1482) (-)



#2

Dichlorodifluoromethane

Concen: 9.862 ug/l

RT: 1.40 min Scan# 18

Delta R.T. 0.00 min

Lab File: VU036546.D

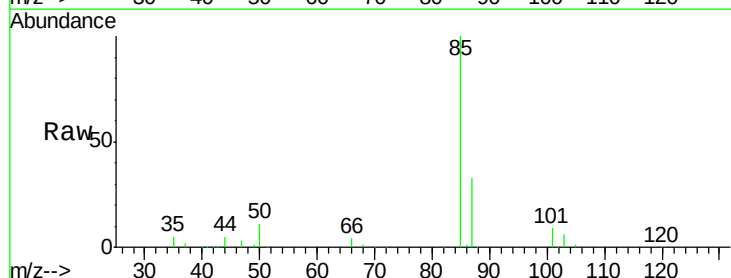
Acq: 23 Jan 2020 18:23

Tgt Ion: 85 Resp: 116168

Ion Ratio Lower Upper

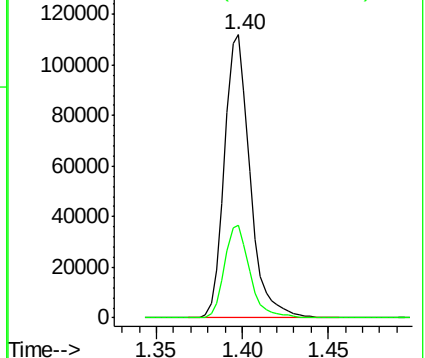
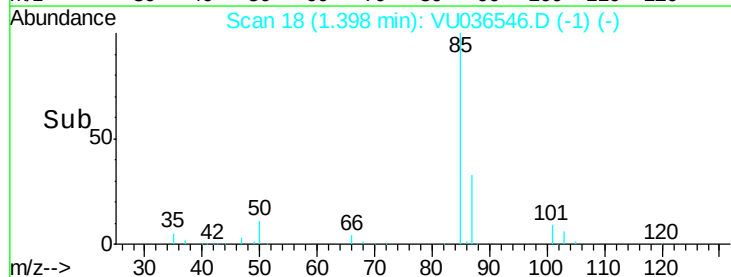
85 100

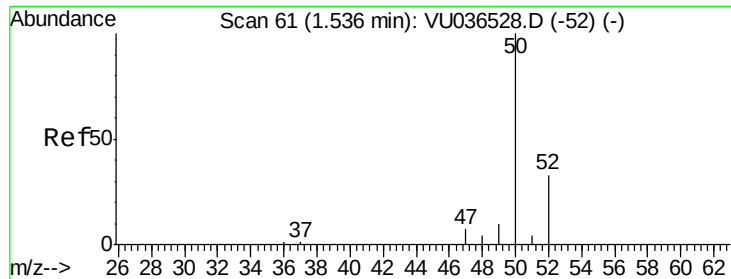
87 32.9 16.4 49.2



Abundance Ion 85.00 (84.70 to 85.70): VU036528.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU036528.D (-9) (-)





#3

Chloromethane

Concen: 10.509 ug/l

RT: 1.54 min Scan# 62

Delta R.T. 0.00 min

Lab File: VU036546.D

Acq: 23 Jan 2020 18:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 50 Resp: 132706

Ion Ratio Lower Upper

50 100

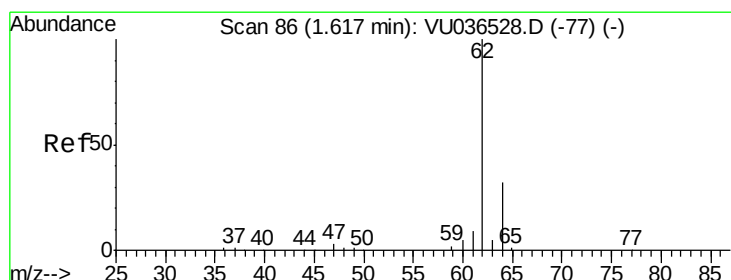
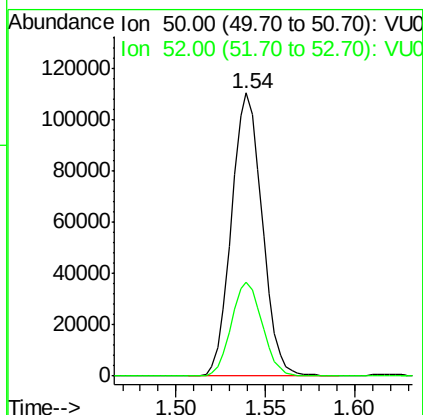
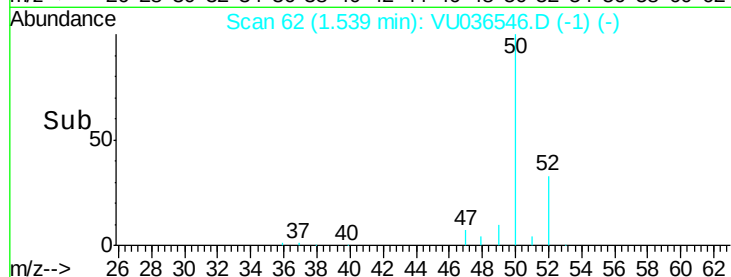
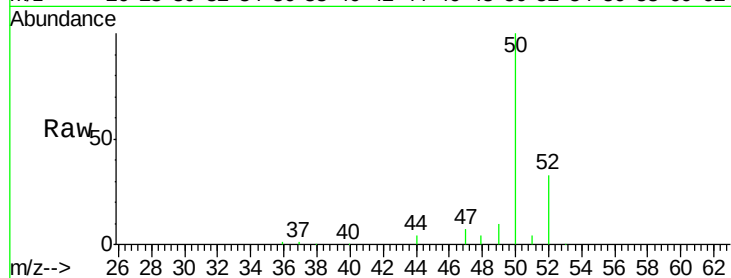
52 33.3 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 9.827 ug/l

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU036546.D

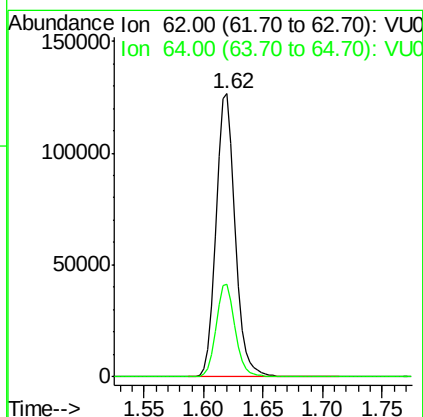
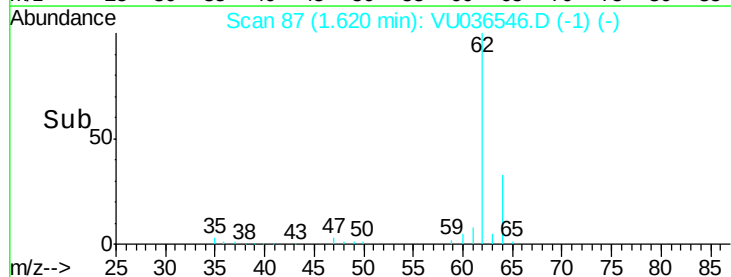
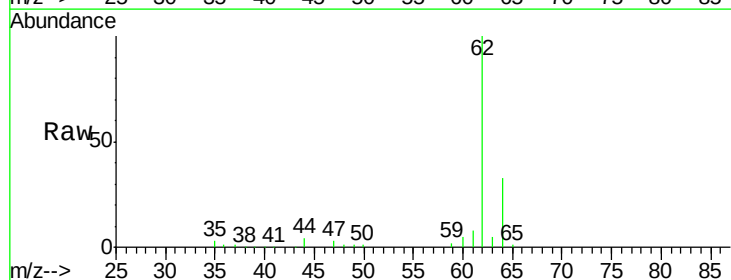
Acq: 23 Jan 2020 18:23

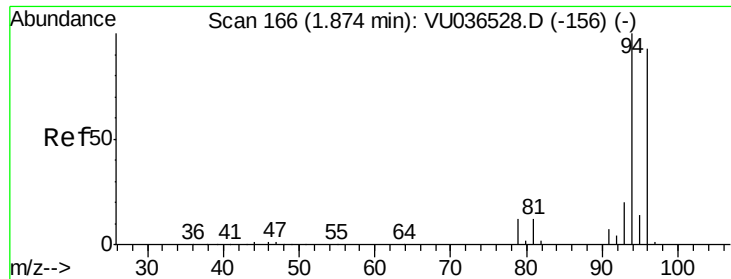
Tgt Ion: 62 Resp: 140559

Ion Ratio Lower Upper

62 100

64 32.7 25.4 38.2





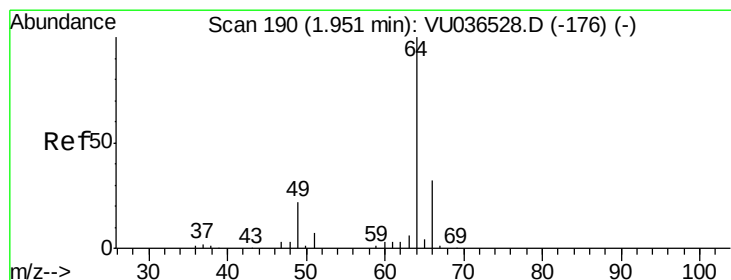
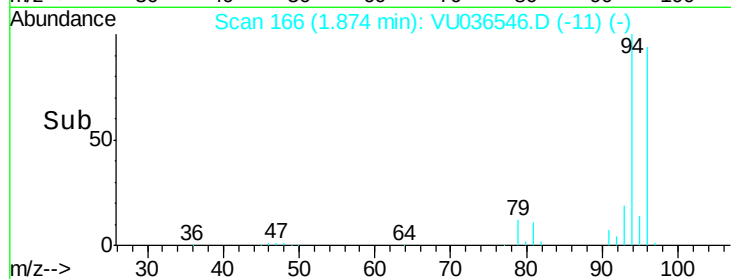
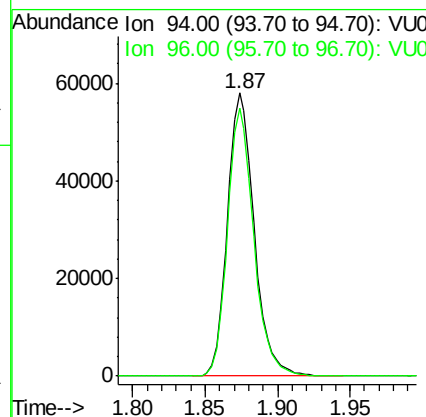
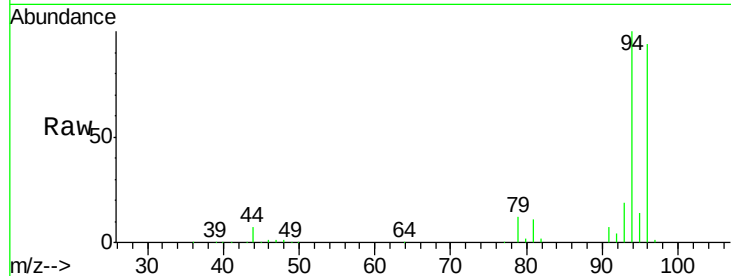
#5
Bromomethane
Concen: 8.379 ug/l
RT: 1.87 min Scan# 166
Delta R.T. -0.00 min
Lab File: VU036546.D
Acq: 23 Jan 2020 18:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion: 94 Resp: 74472
Ion Ratio Lower Upper
94 100
96 94.5 74.6 112.0

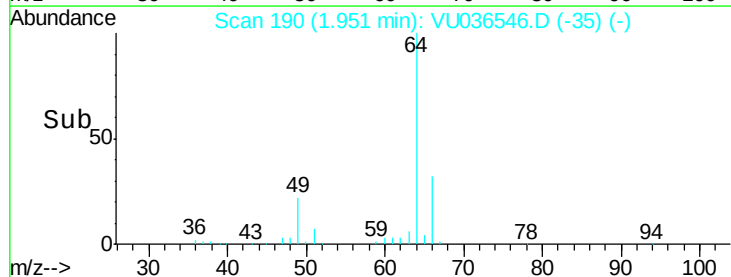
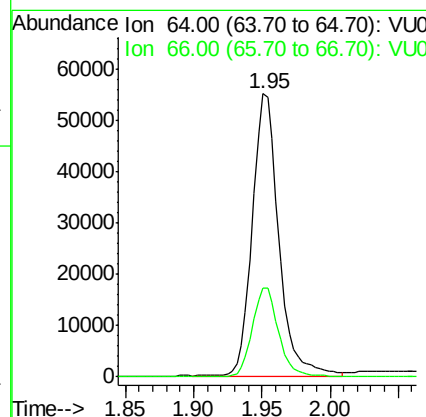
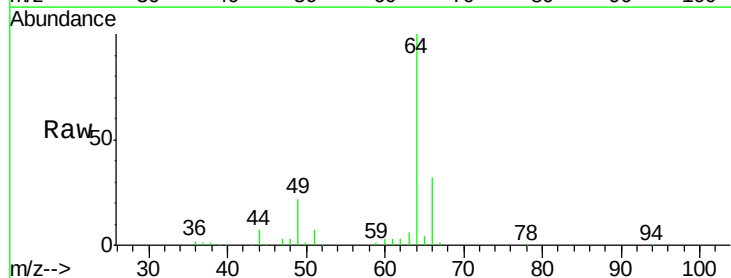
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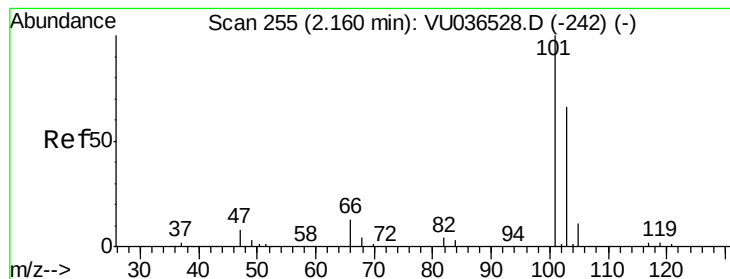
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#6
Chloroethane
Concen: 8.780 ug/l
RT: 1.95 min Scan# 190
Delta R.T. -0.00 min
Lab File: VU036546.D
Acq: 23 Jan 2020 18:23

Tgt Ion: 64 Resp: 74395
Ion Ratio Lower Upper
64 100
66 31.7 25.5 38.3





#7

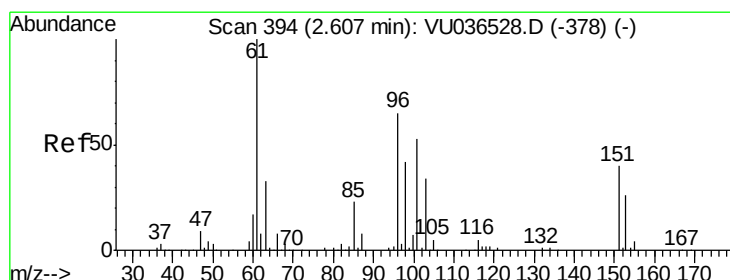
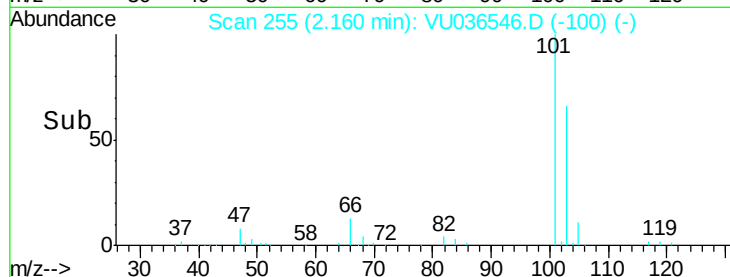
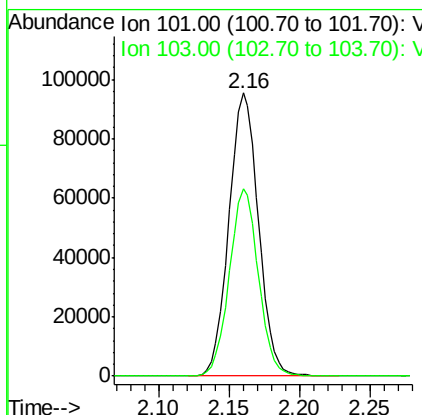
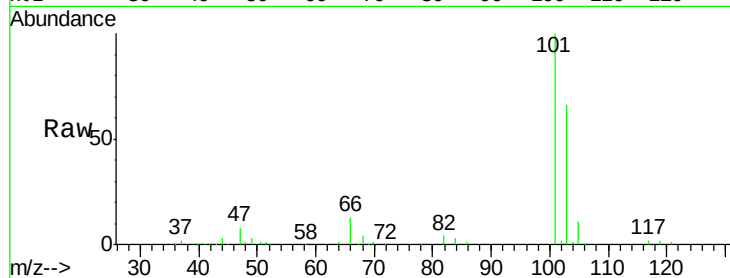
Trichlorofluoromethane
Concen: 9.903 ug/l
RT: 2.16 min Scan# 255
Delta R.T. -0.00 min
Lab File: VU036546.D
Acq: 23 Jan 2020 18:23

Instrument :
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		139948		
103	66.3		53.0	79.6	

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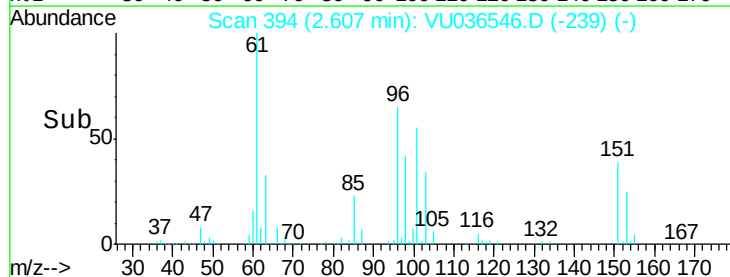
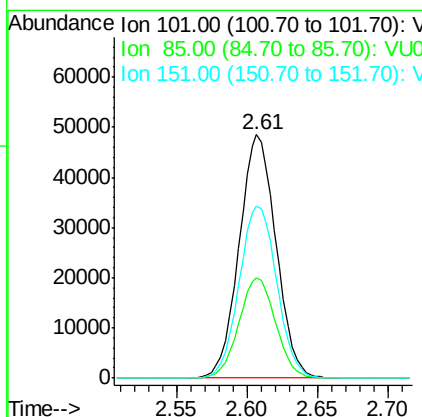
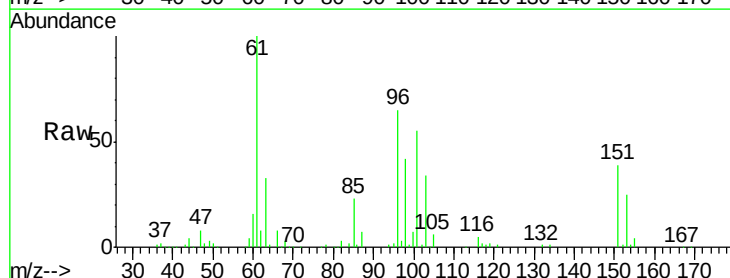
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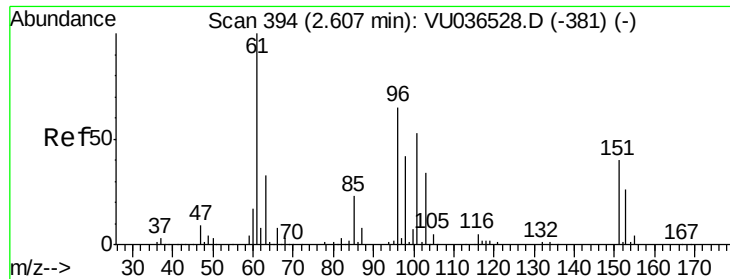


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 10.092 ug/l
RT: 2.61 min Scan# 394
Delta R.T. -0.00 min
Lab File: VU036546.D
Acq: 23 Jan 2020 18:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
101	100		88844		
85	41.1		33.9	50.9	
151	72.3		59.8	89.8	





#9

1,1-Dichloroethene

Concen: 9.834 ug/l

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU036546.D

Acq: 23 Jan 2020 18:23

Instrument :

MSVOA_U

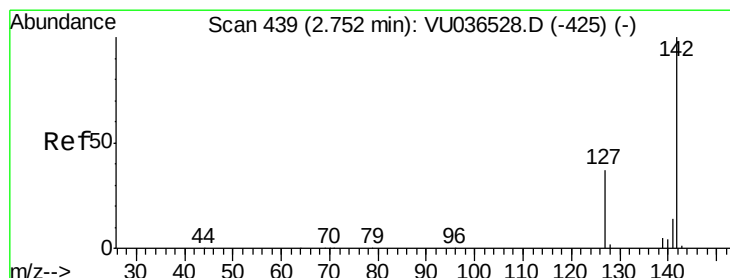
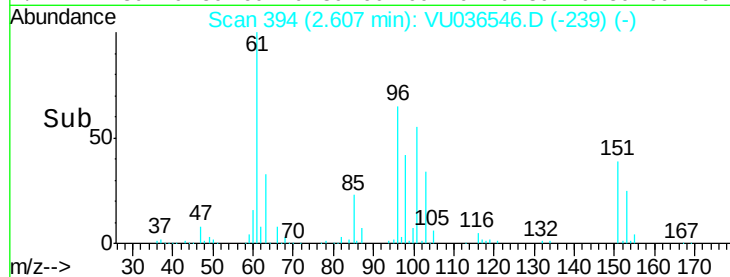
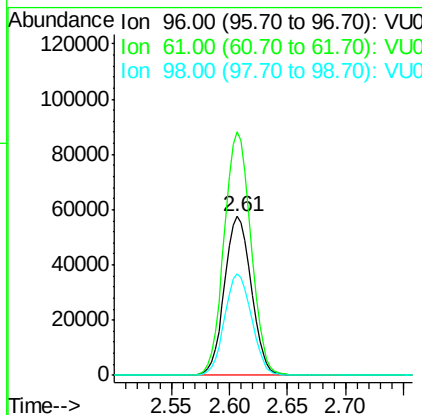
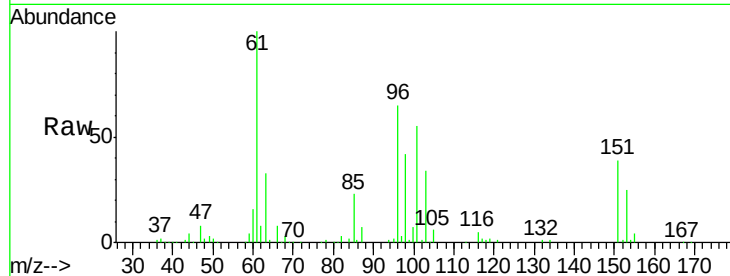
ClientSampleId :

VSTDCCC010EC

Tot Ion:	96	Resp:	92153
Ion Ratio	Lower	Upper	
96	100		
61	153.2	0.0	463.2
98	63.8	0.0	130.0

Manual Integrations
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#10

Iodomethane

Concen: 8.414 ug/l

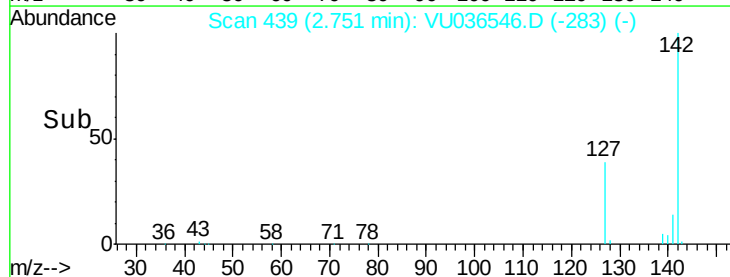
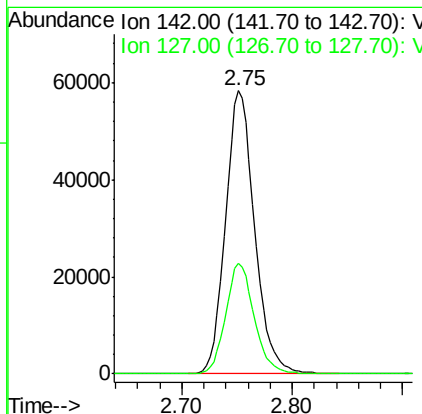
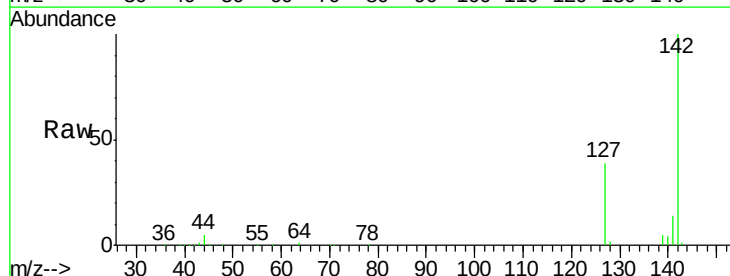
RT: 2.75 min Scan# 439

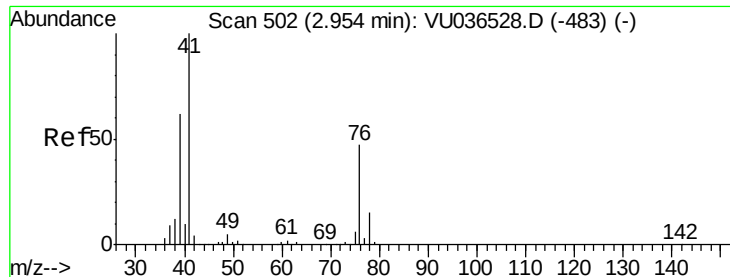
Delta R.T. 0.00 min

Lab File: VU036546.D

Acq: 23 Jan 2020 18:23

Tgt Ion:	142	Resp:	106619
Ion Ratio	Lower	Upper	
142	100		
127	38.5	30.3	45.5





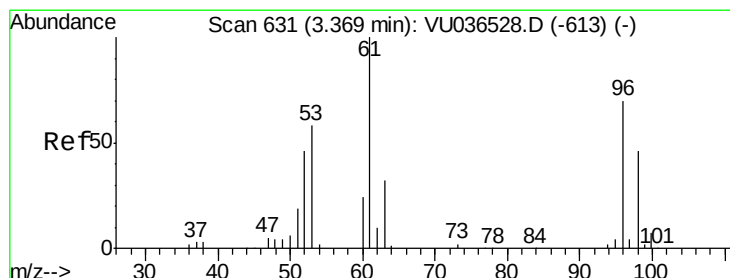
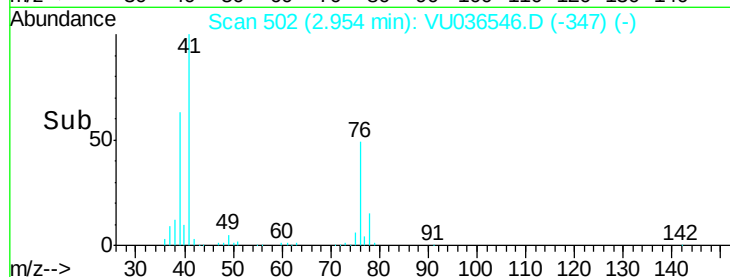
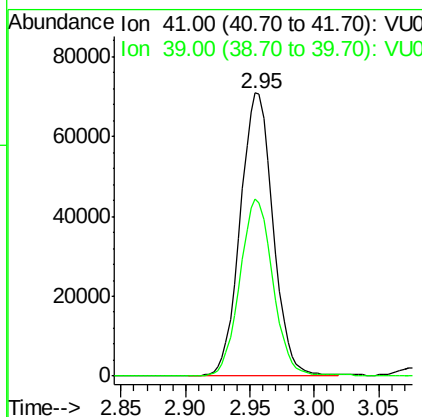
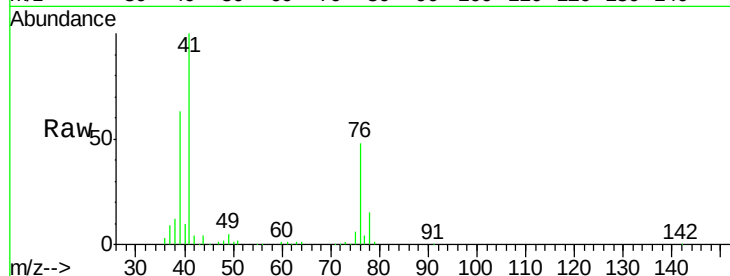
#11
Allvl Chloride
Concen: 9.661 ug/l
RT: 2.95 min Scan# 502
Delta R.T. -0.00 min
Lab File: VU036546.D
Acq: 23 Jan 2020 18:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion: 41 Resp: 125170
Ion Ratio Lower Upper
41 100
39 63.6 50.7 76.1

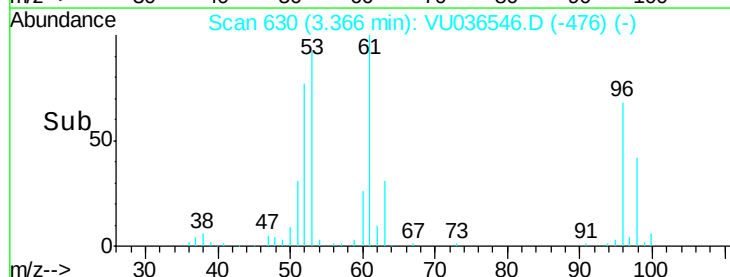
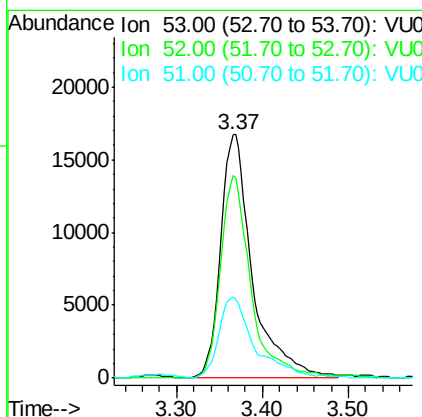
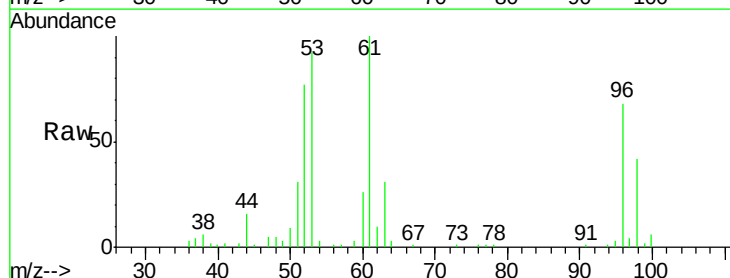
Manual Integrations
APPROVED

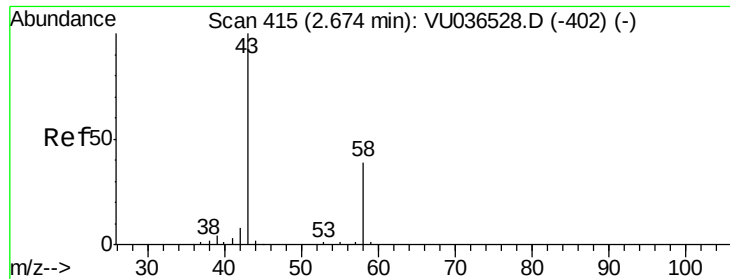
apatel
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#12
Acrylonitrile
Concen: 18.858 ug/l
RT: 3.37 min Scan# 630
Delta R.T. -0.00 min
Lab File: VU036546.D
Acq: 23 Jan 2020 18:23

Tgt Ion: 53 Resp: 43343
Ion Ratio Lower Upper
53 100
52 79.3 64.6 97.0
51 36.8 27.2 40.8





#13

Acetone

Concen: 43.850 ug/l

RT: 2.67 min Scan# 414

Delta R.T. -0.00 min

Lab File: VU036546.D

Acq: 23 Jan 2020 18:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 68497

Ion Ratio Lower Upper

43 100

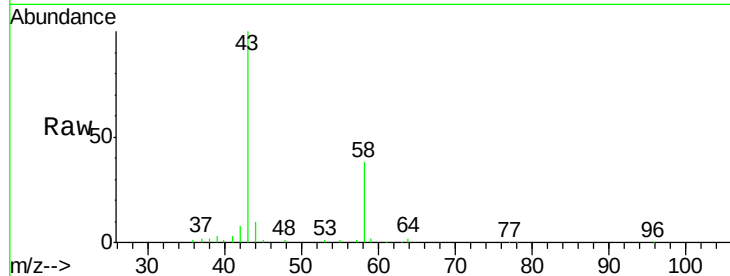
58 37.9 30.8 46.2

Manual Integrations

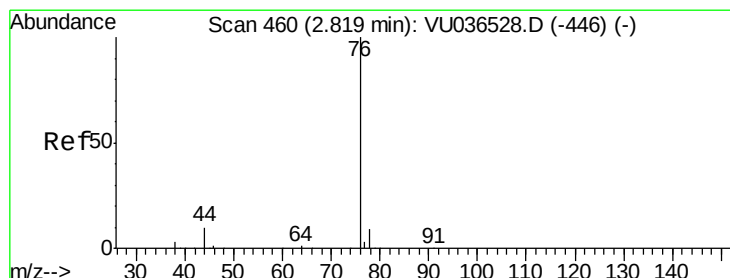
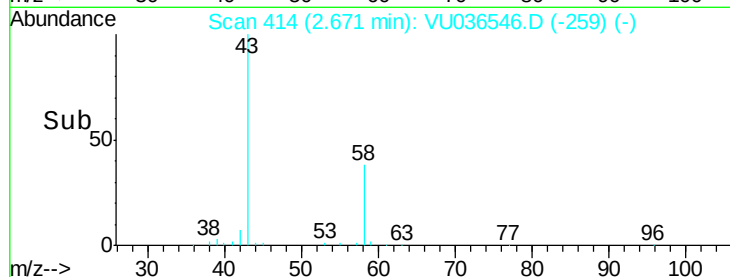
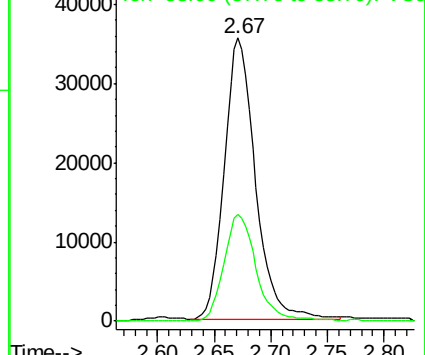
APPROVED

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Abundance Ion 43.00 (42.70 to 43.70): VU036546.D (-259) (-)



#14

Carbon Disulfide

Concen: 9.660 ug/l

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU036546.D

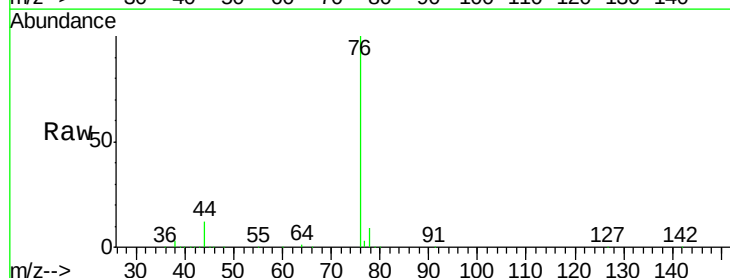
Acq: 23 Jan 2020 18:23

Tgt Ion: 76 Resp: 313500

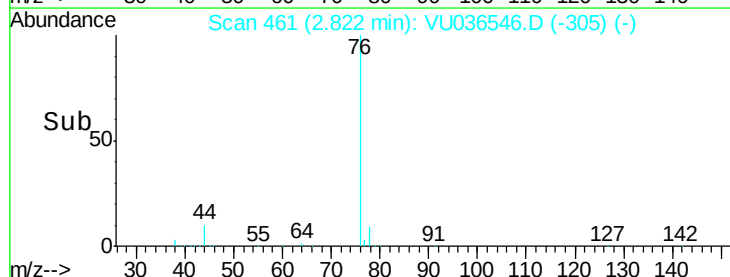
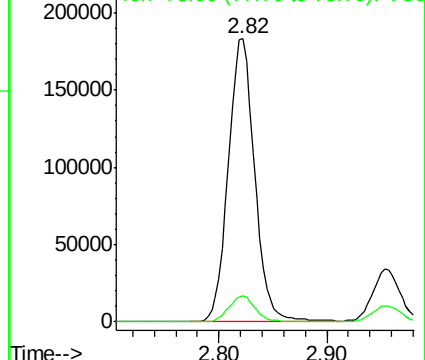
Ion Ratio Lower Upper

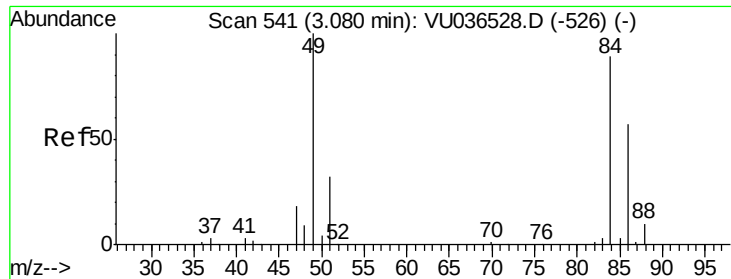
76 100

78 9.1 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VU036546.D (-305) (-)





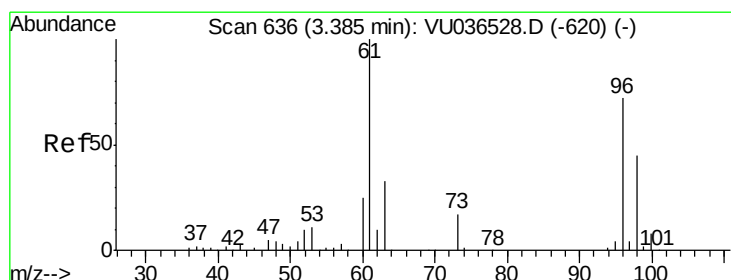
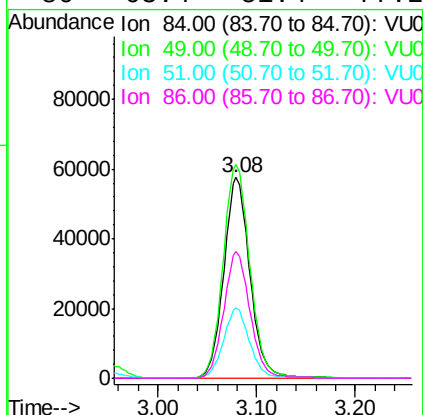
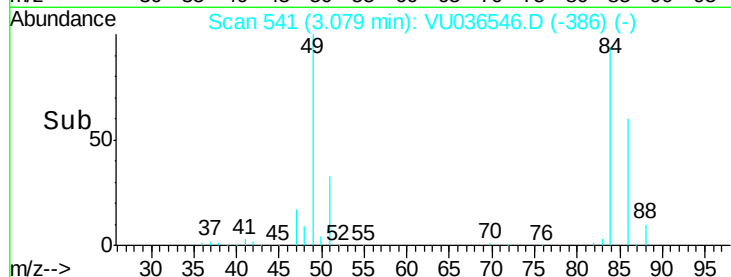
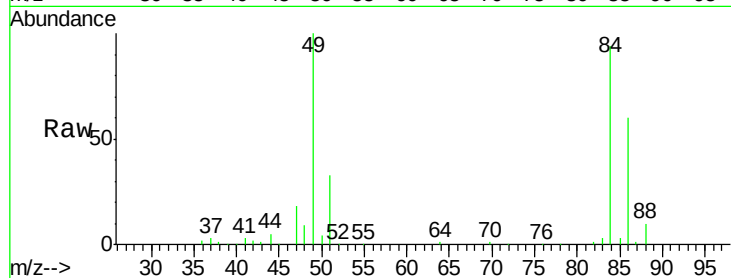
#15
Methylene Chloride
Concen: 8.682 ug/l
RT: 3.08 min Scan# 541
Delta R.T. -0.00 min
Lab File: VU036546.D
Acq: 23 Jan 2020 18:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	84	Resp	107156
Ion	Ratio	Lower	Upper
84	100		
49	106.4	89.7	134.5
51	35.3	0.0	71.6
86	63.4	51.4	77.2

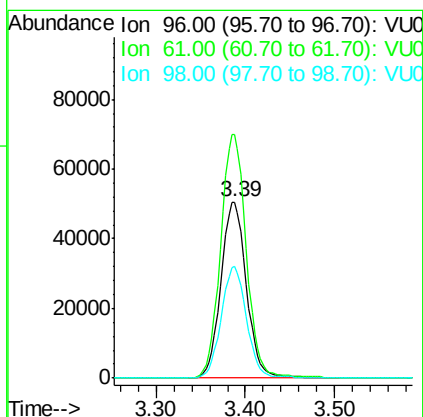
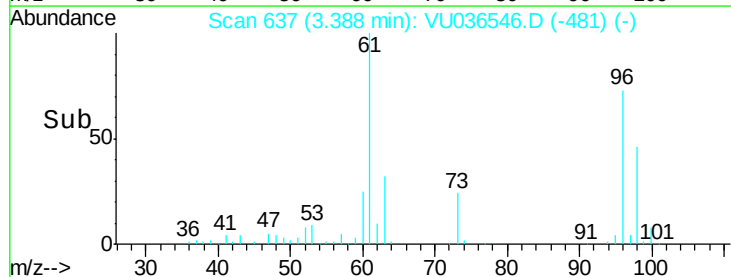
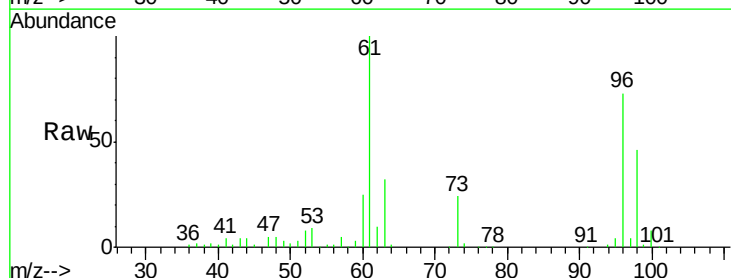
Manual Integrations
APPROVED

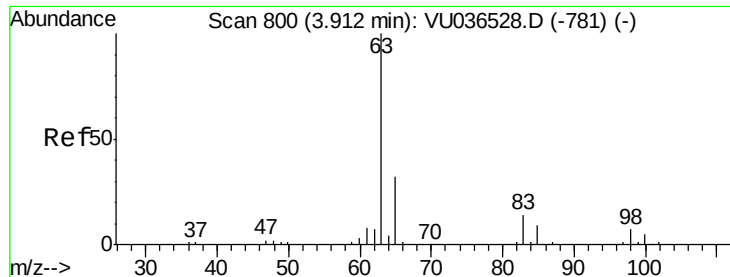
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#16
trans-1,2-Dichloroethene
Concen: 9.703 ug/l
RT: 3.39 min Scan# 637
Delta R.T. 0.00 min
Lab File: VU036546.D
Acq: 23 Jan 2020 18:23

Tgt Ion	96	Resp	100293
Ion	Ratio	Lower	Upper
96	100		
61	137.9	110.8	166.2
98	63.5	50.3	75.5





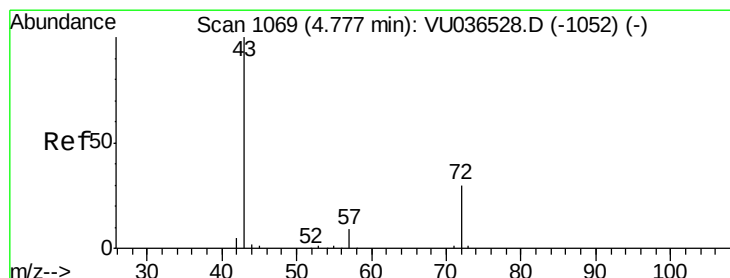
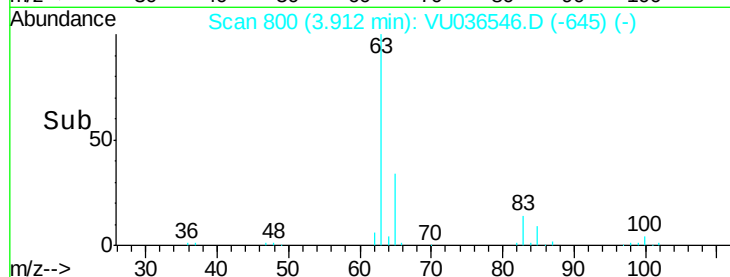
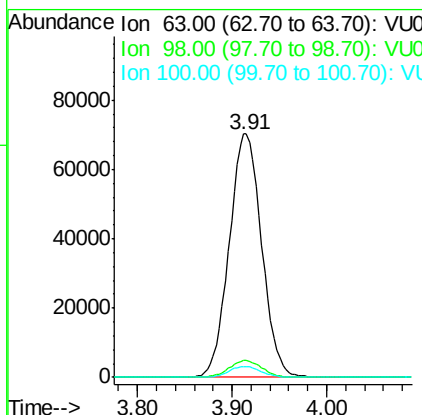
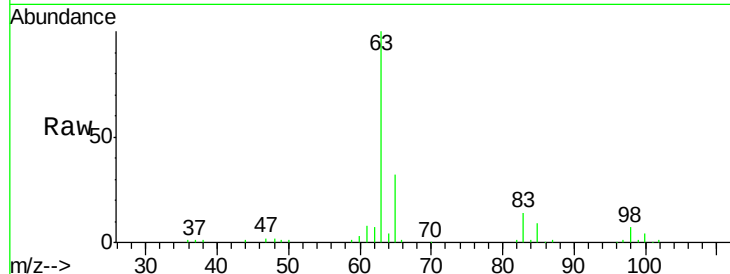
#17
 1,1-Dichloroethane
 Concen: 9.926 ug/l
 RT: 3.91 min Scan# 800
 Delta R.T. -0.00 min
 Lab File: VU036546.D
 Acq: 23 Jan 2020 18:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.5	10.5
100	4.4	2.4	7.1

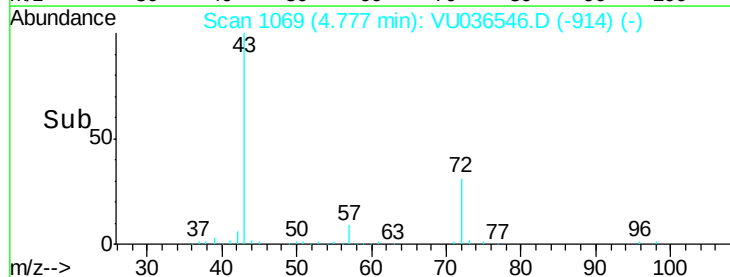
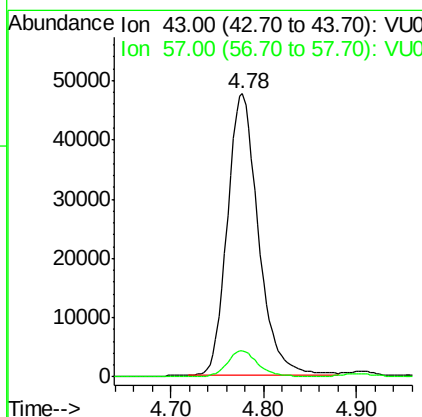
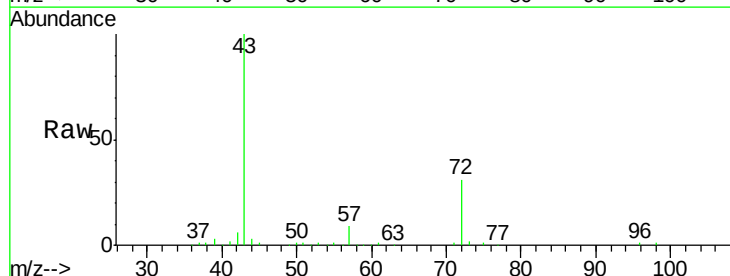
Manual Integrations
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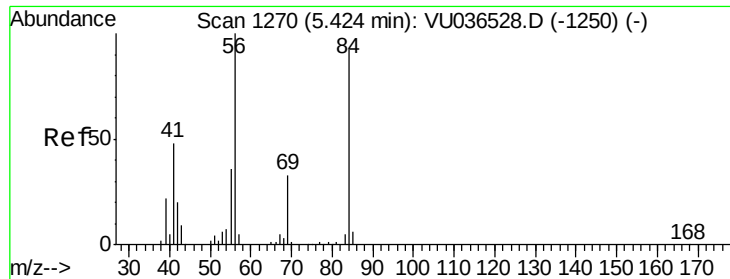
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#18
 2-Butanone
 Concen: 44.791 ug/l
 RT: 4.78 min Scan# 1069
 Delta R.T. -0.00 min
 Lab File: VU036546.D
 Acq: 23 Jan 2020 18:23

Tgt Ion	Ratio	Lower	Upper
43	100		
57	9.2	0.0	17.8





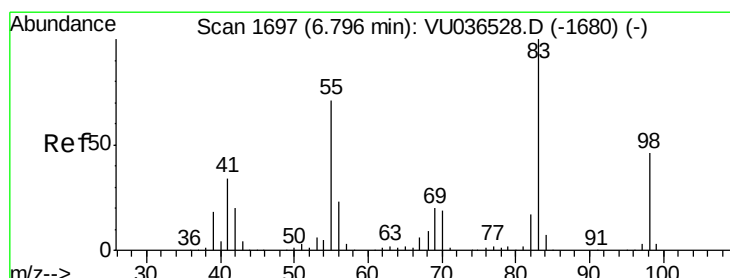
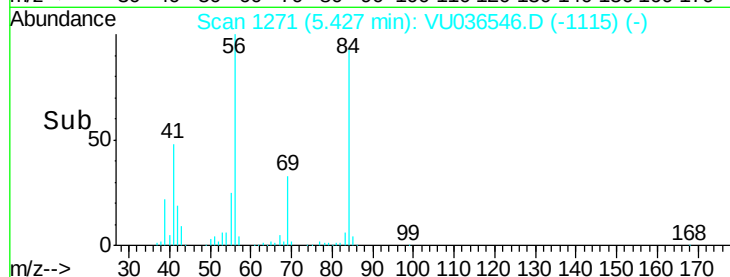
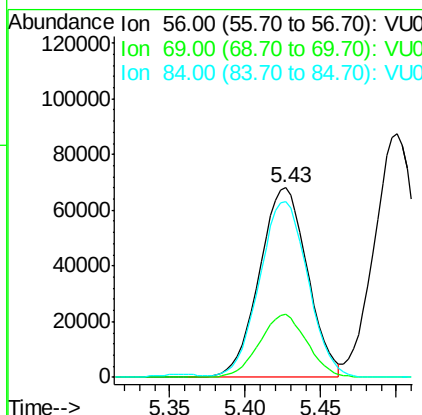
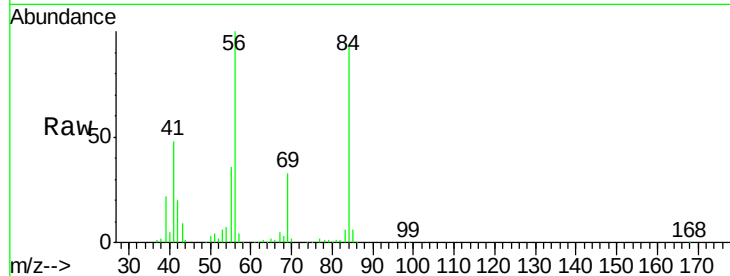
#19
Cyclohexane
Concen: 9.814 ug/l m
RT: 5.43 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU036546.D
Acq: 23 Jan 2020 18:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.8	26.2	39.2
84	91.6	72.8	109.2

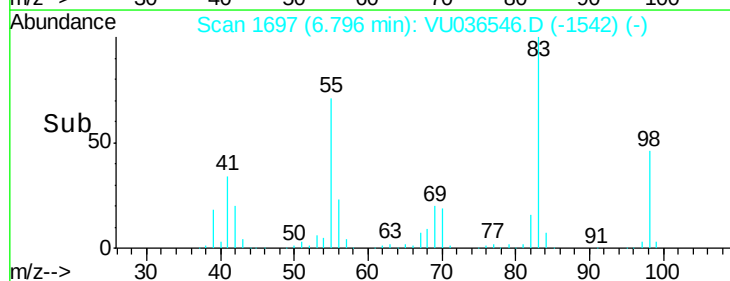
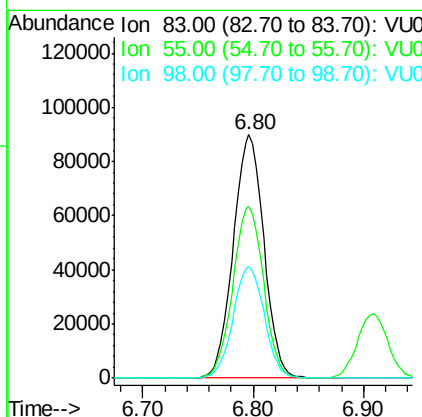
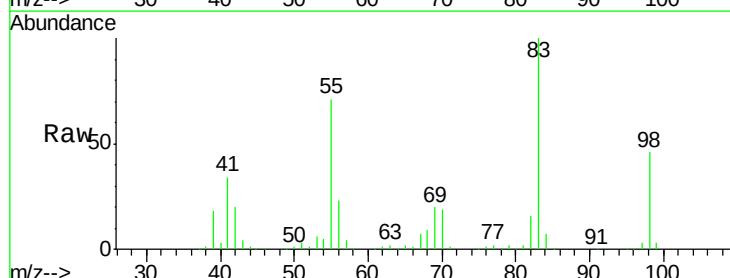
Manual Integrations
APPROVED

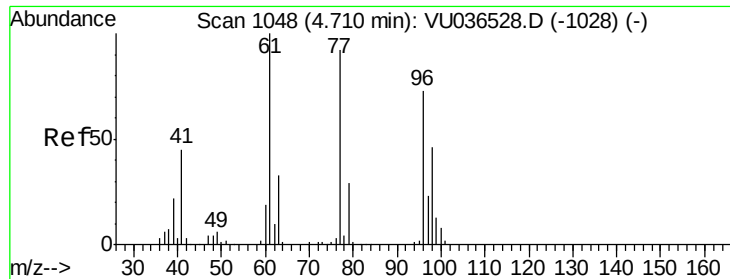
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#20
Methylcyclohexane
Concen: 10.085 ug/l
RT: 6.80 min Scan# 1697
Delta R.T. -0.00 min
Lab File: VU036546.D
Acq: 23 Jan 2020 18:23

Tgt Ion	Ratio	Lower	Upper
83	100		
55	70.5	56.6	85.0
98	46.5	37.5	56.3





#21

2,2-Dichloropropane

Concen: 9.916 ug/l

RT: 4.71 min Scan# 1048

Delta R.T. -0.00 min

Lab File: VU036546.D

Acq: 23 Jan 2020 18:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 77 Resp: 142601

Ion Ratio Lower Upper

77 100

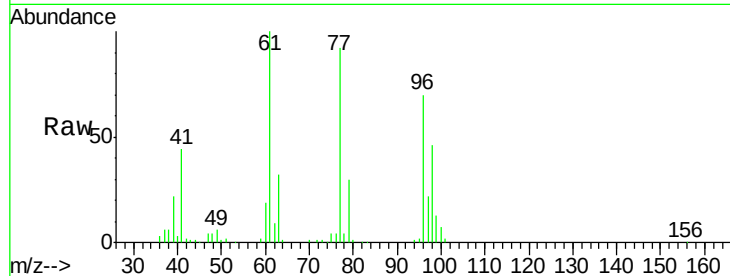
97 23.8 19.0 28.4

Manual Integrations

APPROVED

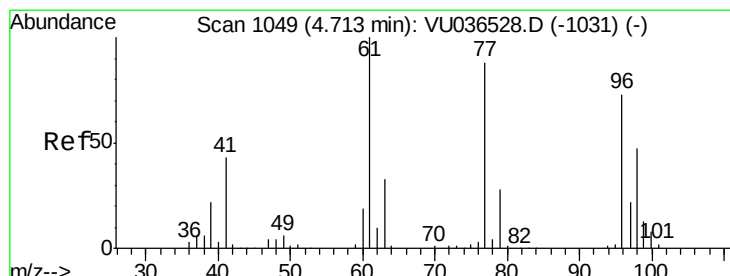
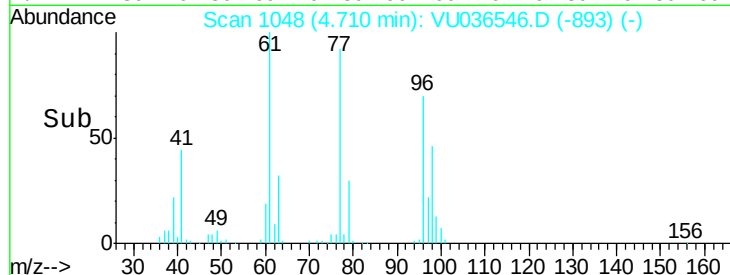
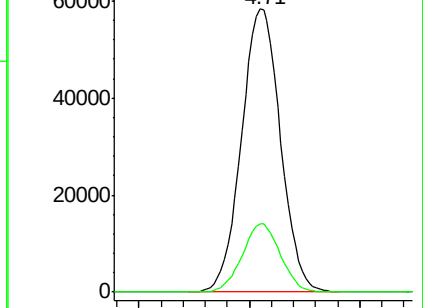
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Abundance Ion 77.00 (76.70 to 77.70): VU036528.D (-1028) (-)

Ion 97.00 (96.70 to 97.70): VU036528.D (-1028) (-)



#22

cis-1,2-Dichloroethene

Concen: 9.798 ug/l

RT: 4.71 min Scan# 1049

Delta R.T. -0.00 min

Lab File: VU036546.D

Acq: 23 Jan 2020 18:23

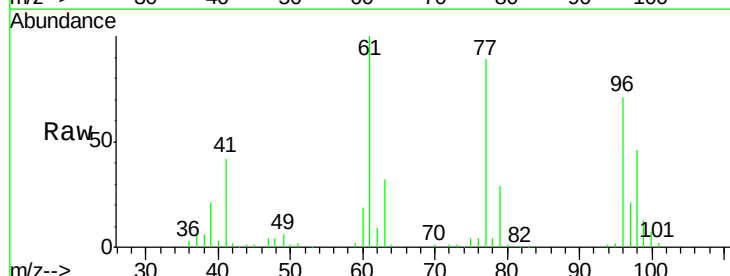
Tgt Ion: 96 Resp: 105081

Ion Ratio Lower Upper

96 100

61 139.1 0.0 342.0

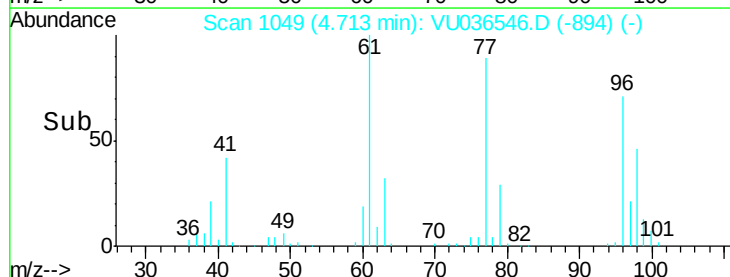
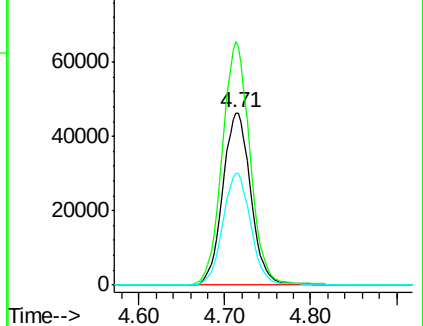
98 64.7 32.0 96.0

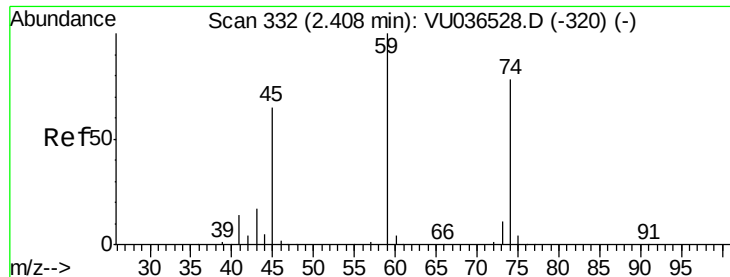


Abundance Ion 96.00 (95.70 to 96.70): VU036528.D (-1031) (-)

Ion 61.00 (60.70 to 61.70): VU036528.D (-1031) (-)

Ion 98.00 (97.70 to 98.70): VU036528.D (-1031) (-)





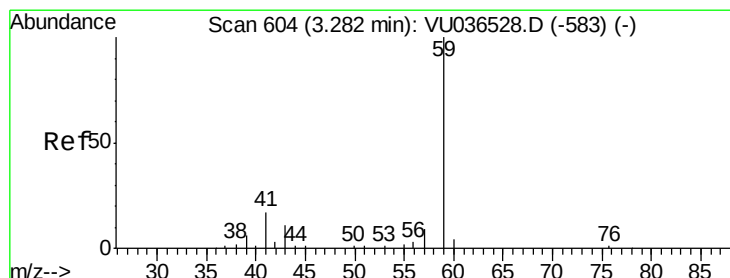
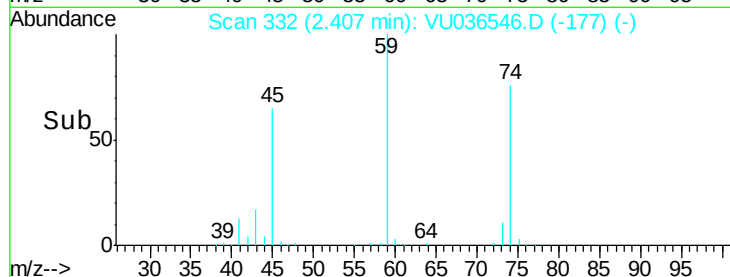
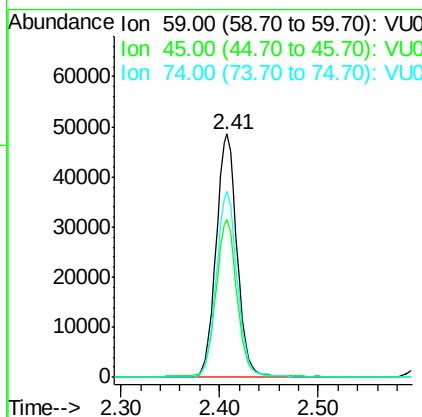
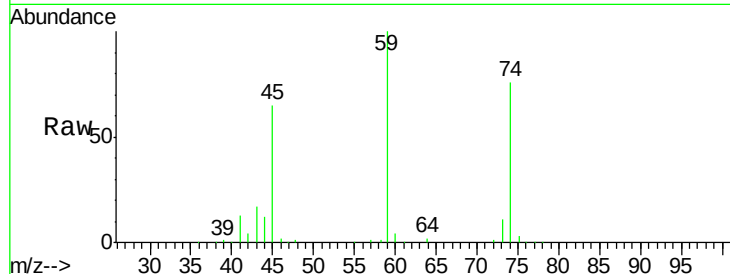
#23
Diethyl Ether
Concen: 9.966 ug/l
RT: 2.41 min Scan# 332
Delta R.T. -0.00 min
Lab File: VU036546.D
Acq: 23 Jan 2020 18:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
59	100		
45	64.2	52.4	78.6
74	76.1	62.1	93.1

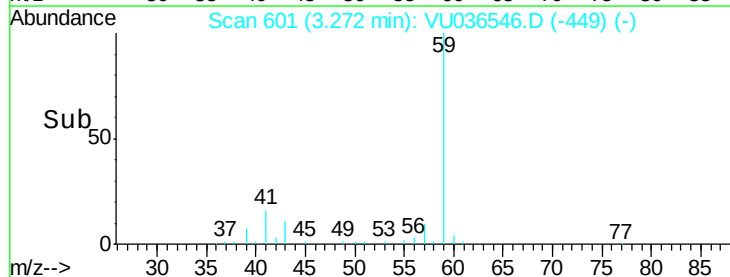
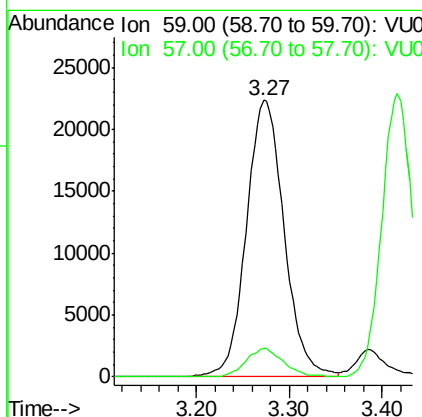
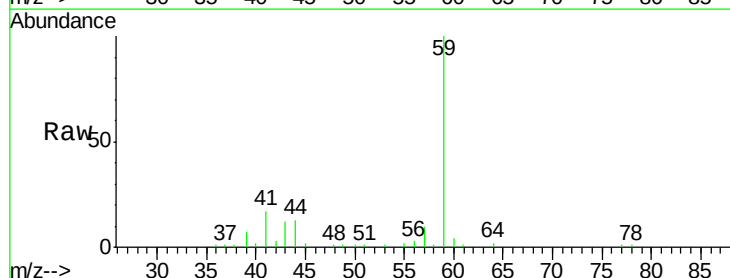
Manual Integrations
APPROVED

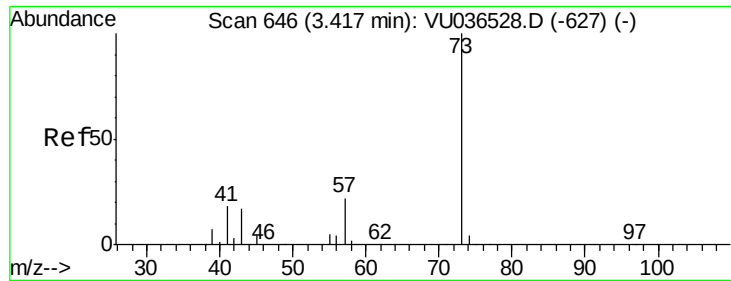
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#24
tert-Butyl Alcohol
Concen: 97.962 ug/l
RT: 3.27 min Scan# 601
Delta R.T. -0.01 min
Lab File: VU036546.D
Acq: 23 Jan 2020 18:23

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.4	12.6





#25

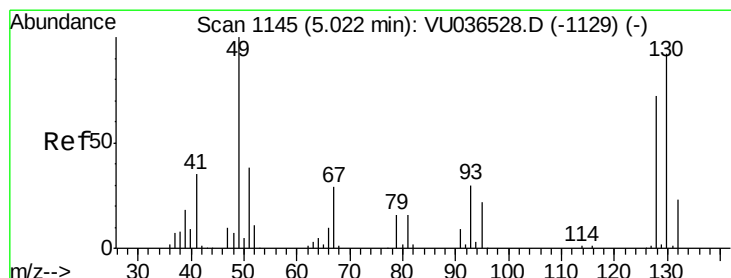
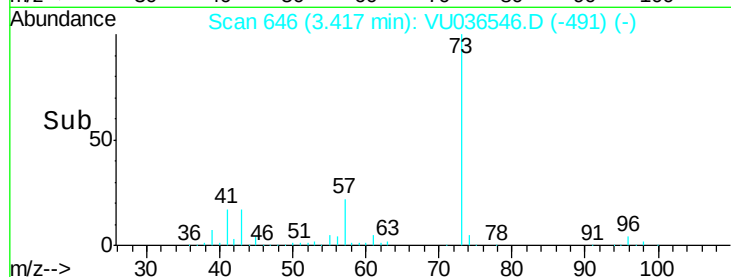
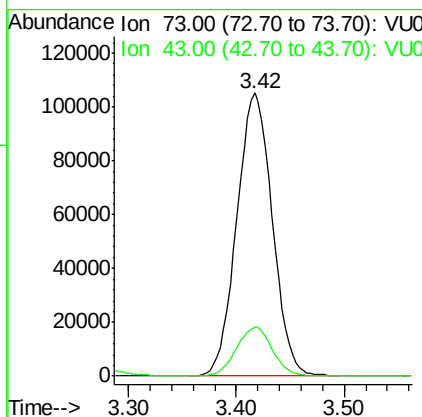
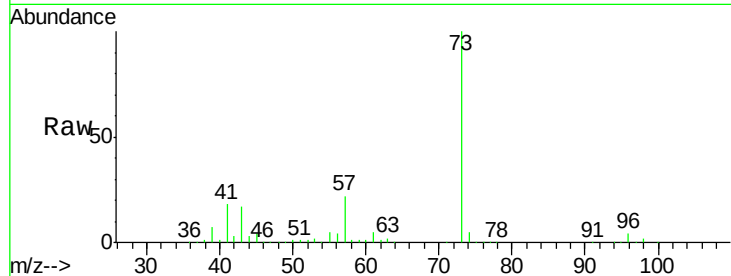
Methyl tert-Butyl Ether
 Concen: 9.795 ug/l
 RT: 3.42 min Scan# 646
 Delta R.T. -0.00 min
 Lab File: VU036546.D
 Acq: 23 Jan 2020 18:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
73	100		
43	17.2	14.5	21.7

Manual Integrations
 APPROVED

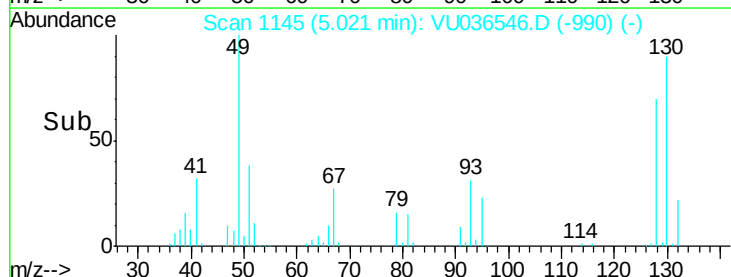
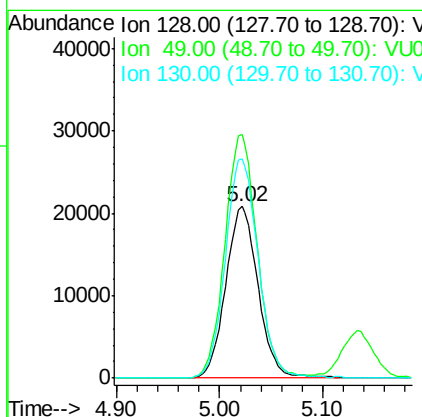
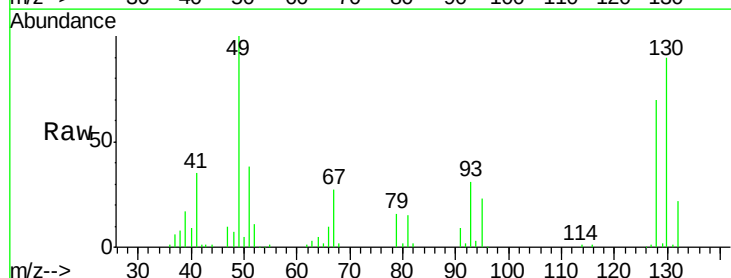
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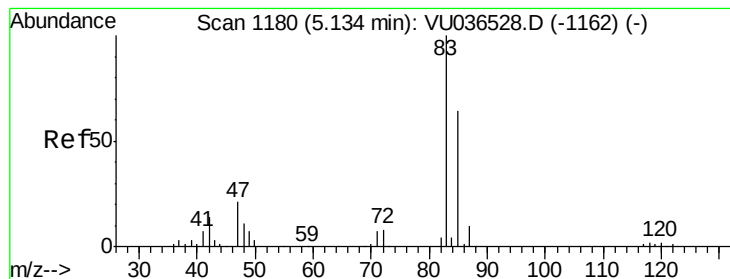


#26

Bromochloromethane
 Concen: 9.781 ug/l
 RT: 5.02 min Scan# 1145
 Delta R.T. -0.00 min
 Lab File: VU036546.D
 Acq: 23 Jan 2020 18:23

Tgt Ion	Ratio	Lower	Upper
128	100		
49	142.3	0.0	286.2
130	130.1	104.3	156.5





#27

Chloroform

Concen: 9.912 ug/l

RT: 5.13 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VU036546.D

Acq: 23 Jan 2020 18:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 83 Resp: 165146

Ion Ratio Lower Upper

83 100

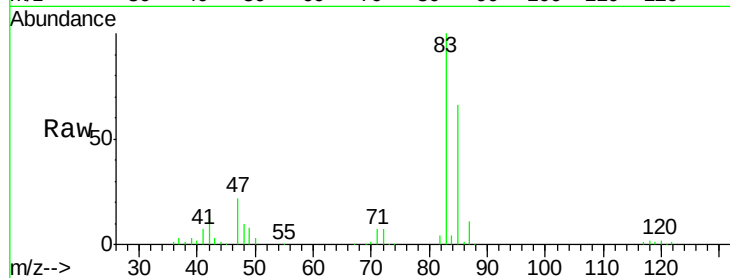
85 66.2 0.0 129.0

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Abundance Ion 83.00 (82.70 to 83.70): VU036528.D (-1162) (-)

Ion 85.00 (84.70 to 85.70): VU036528.D (-1162) (-)

83 100

85 66.2 0.0 129.0

83 100

85 66.2 0.0 129.0

83 100

85 66.2 0.0 129.0

83 100

85 66.2 0.0 129.0

83 100

85 66.2 0.0 129.0

83 100

85 66.2 0.0 129.0

83 100

85 66.2 0.0 129.0

83 100

85 66.2 0.0 129.0

83 100

85 66.2 0.0 129.0

83 100

85 66.2 0.0 129.0

83 100

85 66.2 0.0 129.0

83 100

85 66.2 0.0 129.0

83 100

85 66.2 0.0 129.0

83 100

85 66.2 0.0 129.0

83 100

85 66.2 0.0 129.0

83 100

85 66.2 0.0 129.0

83 100

85 66.2 0.0 129.0

83 100

85 66.2 0.0 129.0

83 100

85 66.2 0.0 129.0

83 100

85 66.2 0.0 129.0

83 100

85 66.2 0.0 129.0

83 100

85 66.2 0.0 129.0

83 100

85 66.2 0.0 129.0

83 100

85 66.2 0.0 129.0

83 100

85 66.2 0.0 129.0

83 100

85 66.2 0.0 129.0

83 100

85 66.2 0.0 129.0

83 100

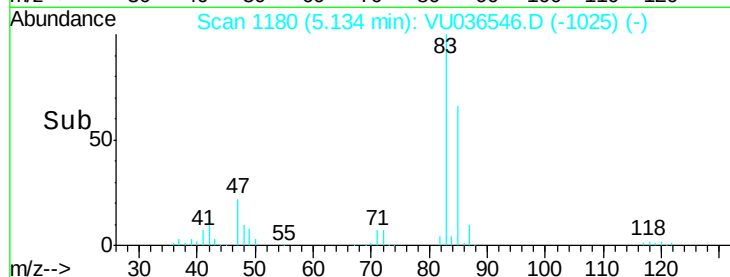
85 66.2 0.0 129.0

83 100

85 66.2 0.0 129.0

83 100

85 66.2 0.0 129.0



Abundance Ion 83.00 (82.70 to 83.70): VU036546.D (-1025) (-)

Ion 85.00 (84.70 to 85.70): VU036546.D (-1025) (-)

83 100

85 66.2 0.0 129.0

83 100

85 66.2 0.0 129.0

83 100

85 66.2 0.0 129.0

83 100

85 66.2 0.0 129.0

83 100

85 66.2 0.0 129.0

83 100

85 66.2 0.0 129.0

83 100

85 66.2 0.0 129.0

83 100

85 66.2 0.0 129.0

83 100

85 66.2 0.0 129.0

83 100

85 66.2 0.0 129.0

83 100

85 66.2 0.0 129.0

83 100

85 66.2 0.0 129.0

83 100

85 66.2 0.0 129.0

83 100

85 66.2 0.0 129.0

83 100

85 66.2 0.0 129.0

83 100

85 66.2 0.0 129.0

83 100

85 66.2 0.0 129.0

83 100

85 66.2 0.0 129.0

83 100

85 66.2 0.0 129.0

83 100

85 66.2 0.0 129.0

83 100

85 66.2 0.0 129.0

83 100

85 66.2 0.0 129.0

83 100

85 66.2 0.0 129.0

83 100

85 66.2 0.0 129.0

83 100

85 66.2 0.0 129.0

83 100

85 66.2 0.0 129.0

83 100

85 66.2 0.0 129.0

83 100

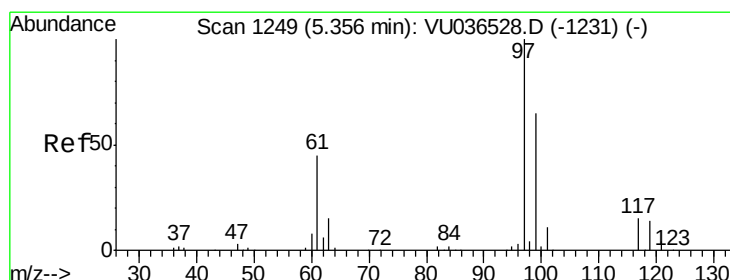
85 66.2 0.0 129.0

83 100

85 66.2 0.0 129.0

83 100

85 66.2 0.0 129.0



#28

1,1,1-Trichloroethane

Concen: 10.105 ug/l

RT: 5.36 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VU036546.D

Acq: 23 Jan 2020 18:23

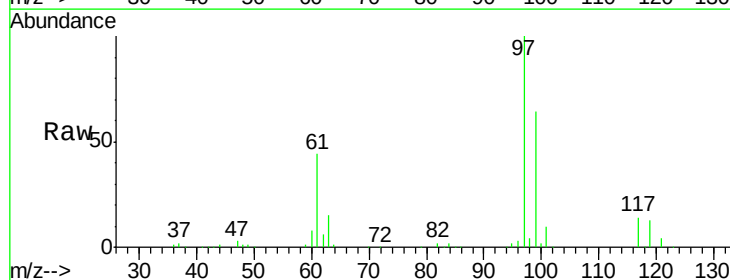
Tgt Ion: 97 Resp: 141184

Ion Ratio Lower Upper

97 100

99 63.9 32.1 96.3

61 44.2 22.7 68.0



Abundance Ion 97.00 (96.70 to 97.70): VU036528.D (-1231) (-)

Ion 99.00 (98.70 to 99.70): VU036528.D (-1231) (-)

Ion 61.00 (60.70 to 61.70): VU036528.D (-1231) (-)

97 100

99 63.9 32.1 96.3

61 44.2 22.7 68.0

97 100

99 63.9 32.1 96.3

61 44.2 22.7 68.0

97 100

99 63.9 32.1 96.3

61 44.2 22.7 68.0

97 100

99 63.9 32.1 96.3

61 44.2 22.7 68.0

97 100

99 63.9 32.1 96.3

61 44.2 22.7 68.0

97 100

99 63.9 32.1 96.3

61 44.2 22.7 68.0

97 100

99 63.9 32.1 96.3

61 44.2 22.7 68.0

97 100

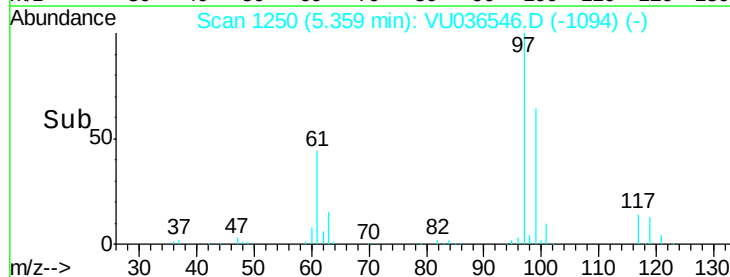
99 63.9 32.1 96.3

61 44.2 22.7 68.0

97 100

99 63.9 32.1 96.3

61 44.2 22.7 68.0



Abundance Ion 97.00 (96.70 to 97.70): VU036546.D (-1094) (-)

Ion 99.00 (98.70 to 99.70): VU036546.D (-1094) (-)

Ion 61.00 (60.70 to 61.70): VU036546.D (-1094) (-)

97 100

99 63.9 32.1 96.3

61 44.2 22.7 68.0

97 100

99 63.9 32.1 96.3

61 44.2 22.7 68.0

97 100

99 63.9 32.1 96.3

61 44.2 22.7 68.0

97 100

99 63.9 32.1 96.3

61 44.2 22.7 68.0

97 100

99 63.9 32.1 96.3

61 44.2 22.7 68.0

97 100

99 63.9 32.1 96.3

61 44.2 22.7 68.0

97 100

99 63.9 32.1 96.3

61 44.2 22.7 68.0

97 100

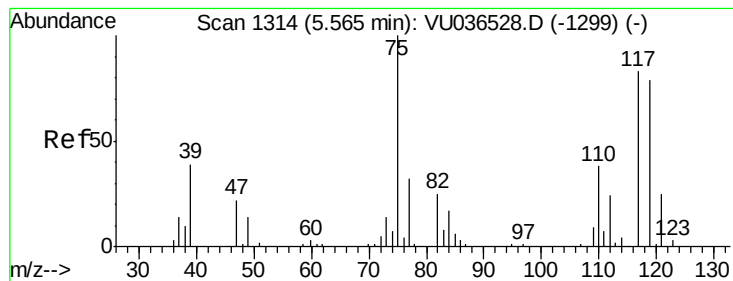
99 63.9 32.1 96.3

61 44.2 22.7 68.0

97 100

99 63.9 32.1 96.3

61 44.2 22.7 68.0



#29

1,1-Dichloropropene

Concen: 9.805 ug/l

RT: 5.56 min Scan# 1314

Delta R.T. -0.00 min

Lab File: VU036546.D

Acq: 23 Jan 2020 18:23

Instrument :

MSVOA_U

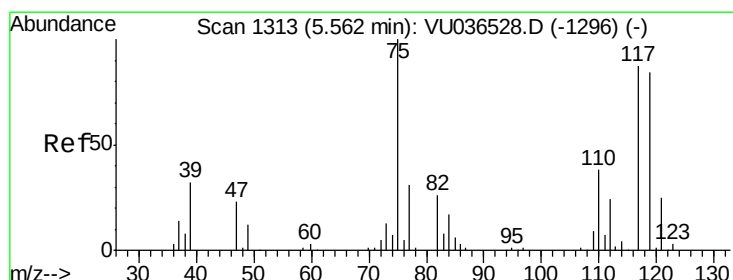
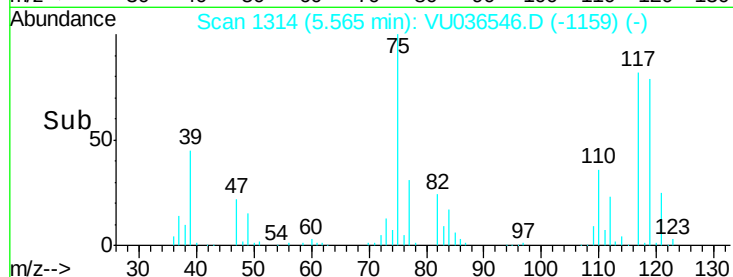
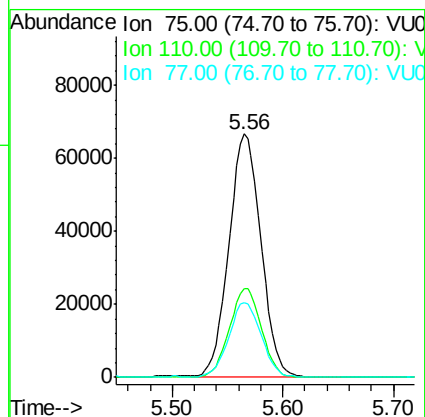
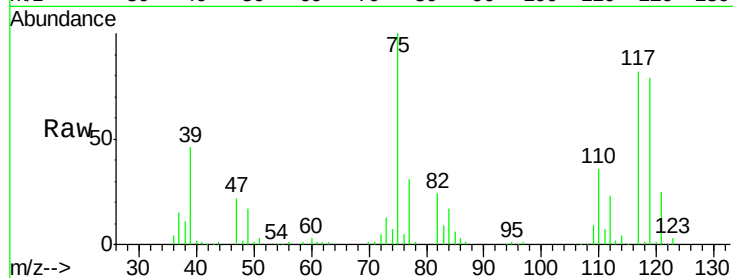
ClientSampleId :

VSTDCCC010EC

Tot Ion:	75	Resp:	133700
Ion Ratio	Lower	Upper	
75	100		
110	36.6	18.6	55.8
77	30.7	25.0	37.4

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#30

Carbon Tetrachloride

Concen: 9.986 ug/l

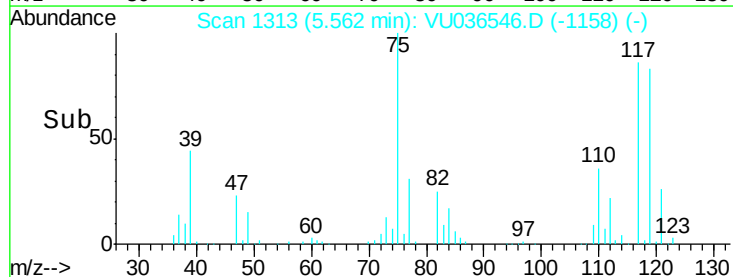
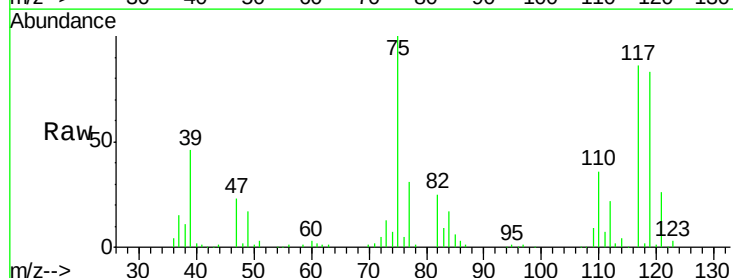
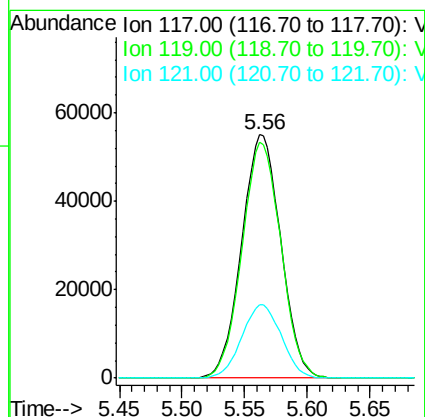
RT: 5.56 min Scan# 1313

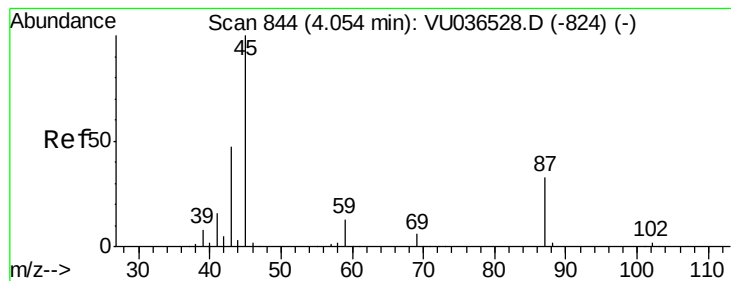
Delta R.T. -0.00 min

Lab File: VU036546.D

Acq: 23 Jan 2020 18:23

Tgt Ion:	117	Resp:	119469
Ion Ratio	Lower	Upper	
117	100		
119	97.1	77.0	115.6
121	30.1	23.3	34.9





#31

Isopropyl Ether

Concen: 9.952 ug/l

RT: 4.06 min Scan# 845

Delta R.T. 0.00 min

Lab File: VU036546.D

Acq: 23 Jan 2020 18:23

Tot Ion: 45 Resp: 254481

Ion Ratio Lower Upper

45 100

43 47.7 24.0 72.0

Instrument :

MSVOA_U

ClientSampleId :

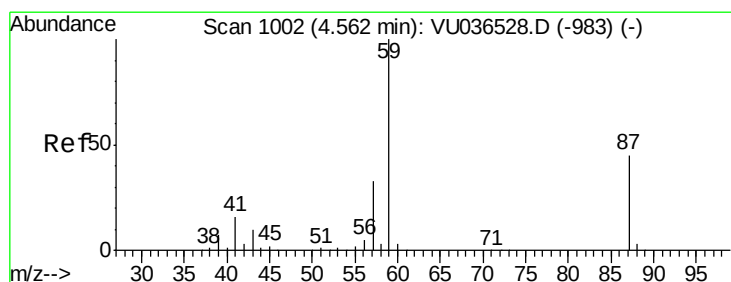
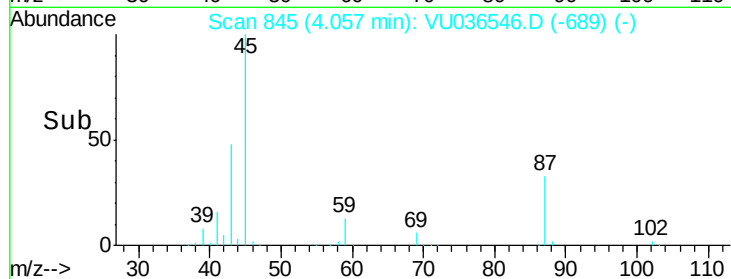
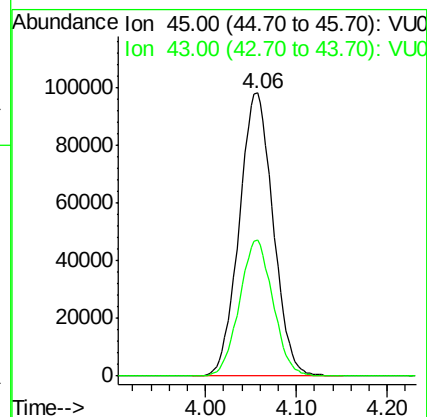
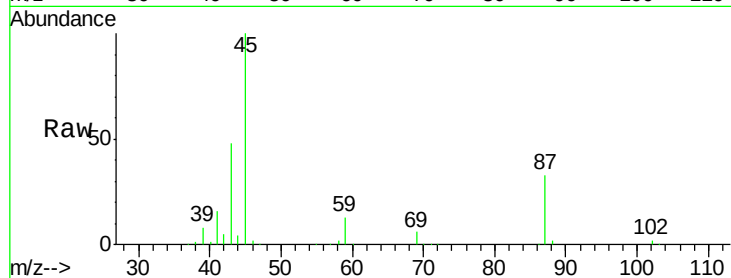
VSTDCCC010EC

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#32

Ethyl-t-butyl ether

Concen: 9.905 ug/l

RT: 4.56 min Scan# 1003

Delta R.T. 0.00 min

Lab File: VU036546.D

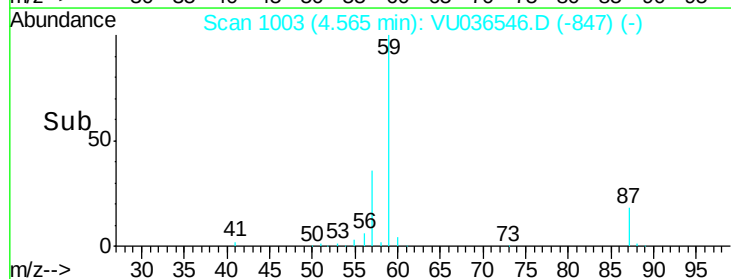
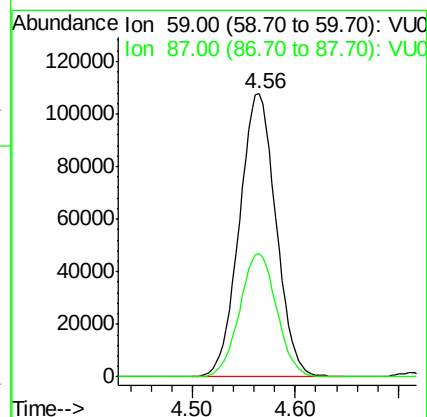
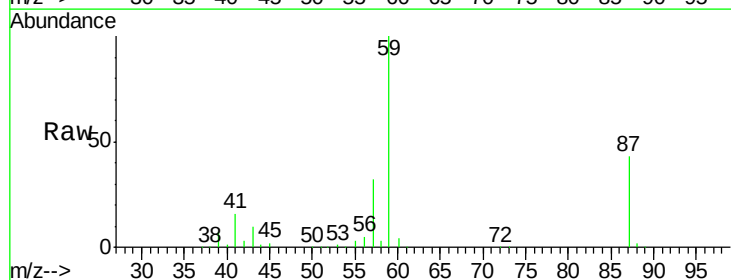
Acq: 23 Jan 2020 18:23

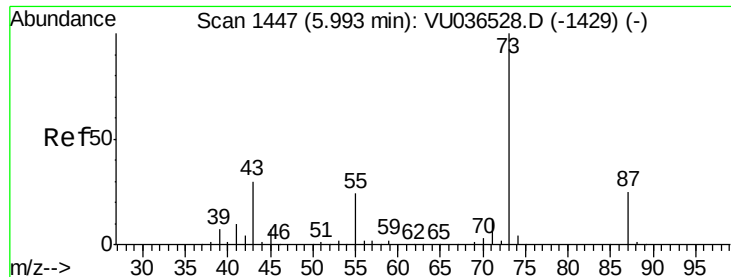
Tgt Ion: 59 Resp: 264993

Ion Ratio Lower Upper

59 100

87 44.2 35.1 52.7





#33

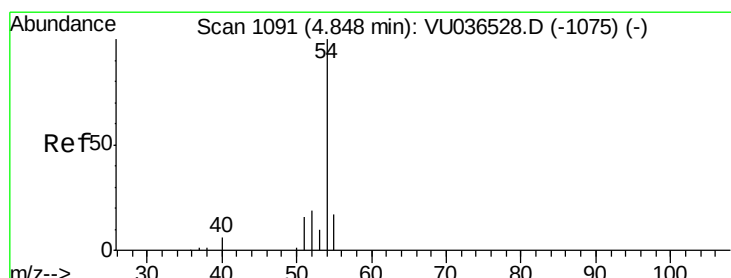
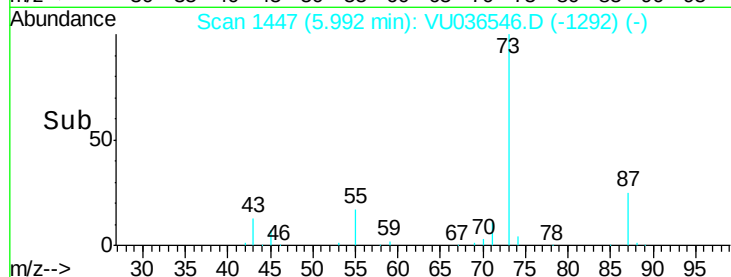
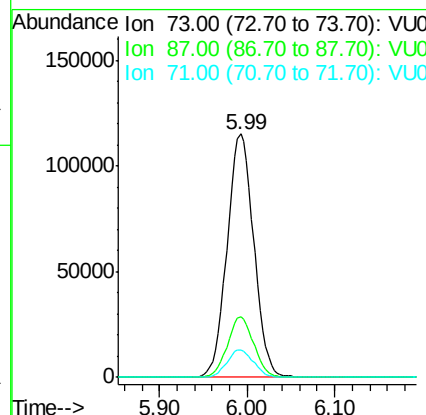
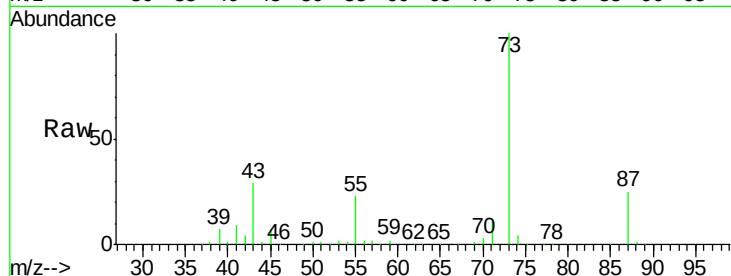
Tert-Butyl methyl ether
 Concen: 9.918 ug/l
 RT: 5.99 min Scan# 1447
 Delta R.T. -0.00 min
 Lab File: VU036546.D
 Acq: 23 Jan 2020 18:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
73	100		
87	24.5	19.8	29.6
71	11.1	9.1	13.7

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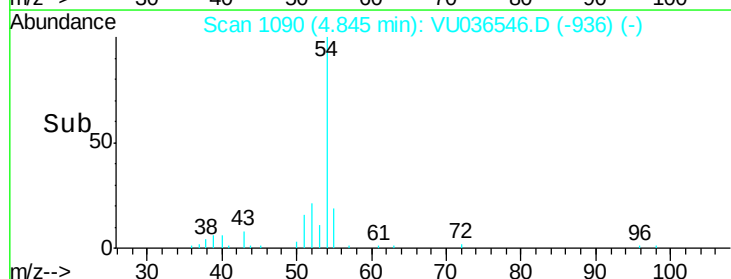
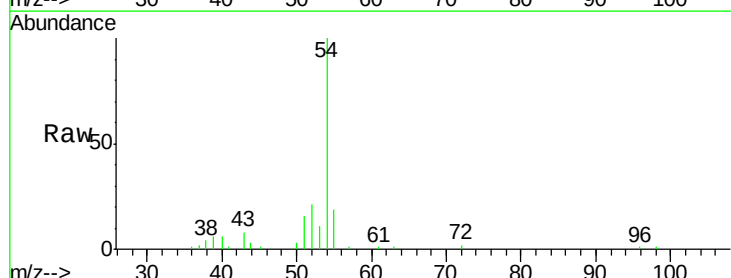
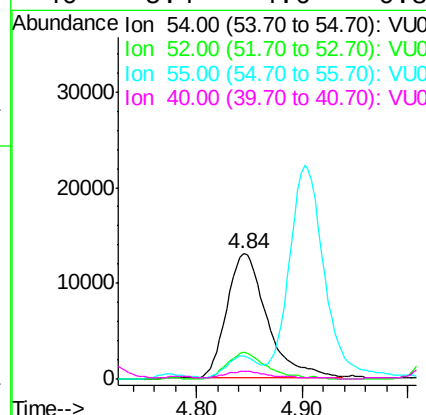
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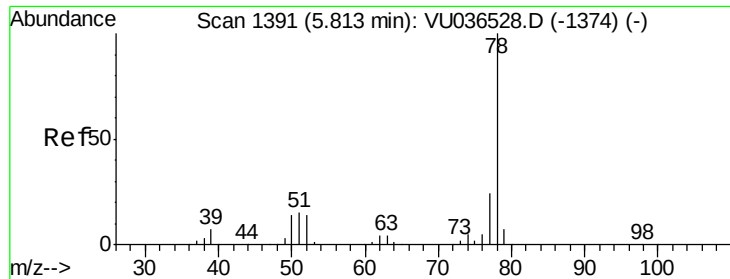


#34

Propionitrile
 Concen: 48.523 ug/l
 RT: 4.84 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VU036546.D
 Acq: 23 Jan 2020 18:23

Tgt Ion	Ratio	Lower	Upper
54	100		
52	20.9	15.2	22.8
55	14.2	9.5	14.3
40	5.4	4.6	6.8





#35

Benzene

Concen: 9.824 ug/l

RT: 5.81 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VU036546.D

Acq: 23 Jan 2020 18:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 78 Resp: 387877

Ion Ratio Lower Upper

78 100

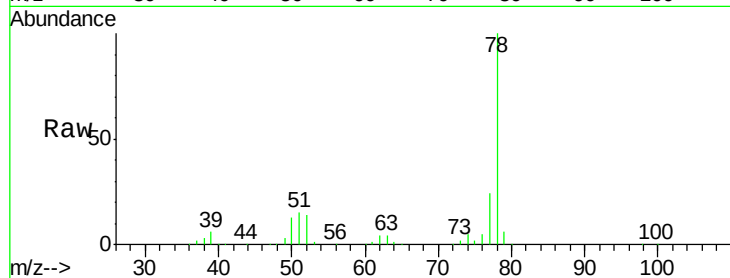
77 23.9 19.4 29.0

Manual Integrations

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Abundance Ion 78.10 (77.80 to 78.80): VU036528.D (-1374) (-)

Ion 77.00 (76.70 to 77.70): VU036528.D (-1374) (-)

200000

150000

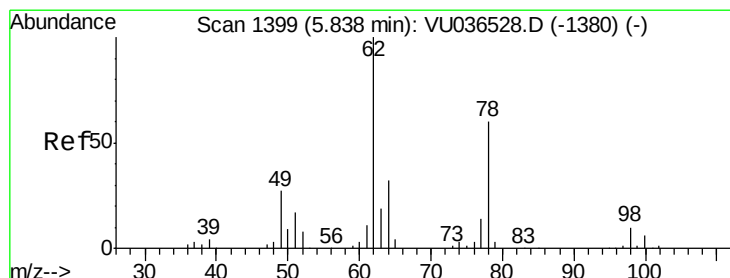
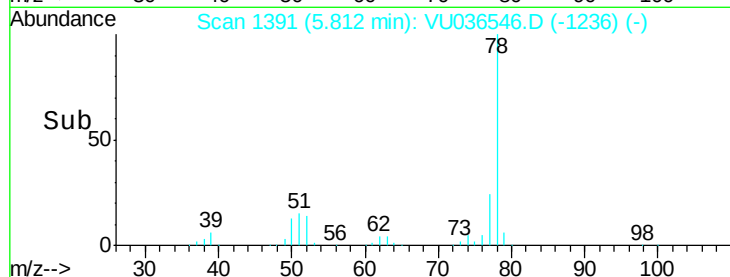
100000

50000

0

5.70 5.80 5.90

Time-->



#36

1,2-Dichloroethane

Concen: 9.993 ug/l

RT: 5.84 min Scan# 1399

Delta R.T. -0.00 min

Lab File: VU036546.D

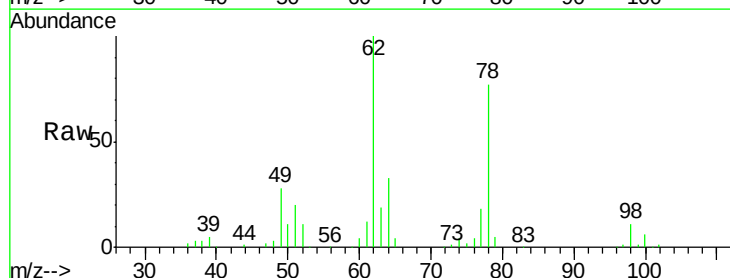
Acq: 23 Jan 2020 18:23

Tgt Ion: 62 Resp: 106210

Ion Ratio Lower Upper

62 100

98 9.8 7.8 11.8



Abundance Ion 62.00 (61.70 to 62.70): VU036528.D (-1380) (-)

Ion 98.00 (97.70 to 98.70): VU036528.D (-1380) (-)

60000

50000

40000

30000

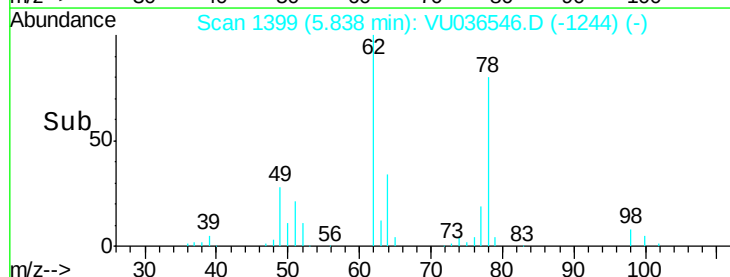
20000

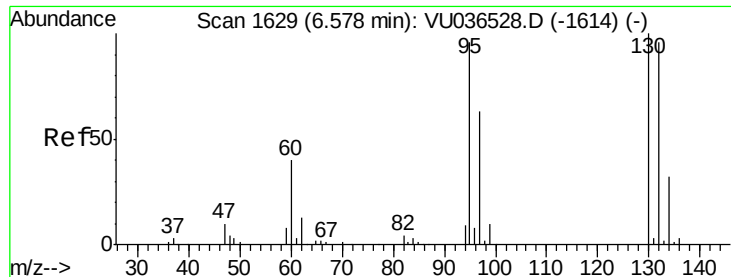
10000

0

5.70 5.80 5.90

Time-->





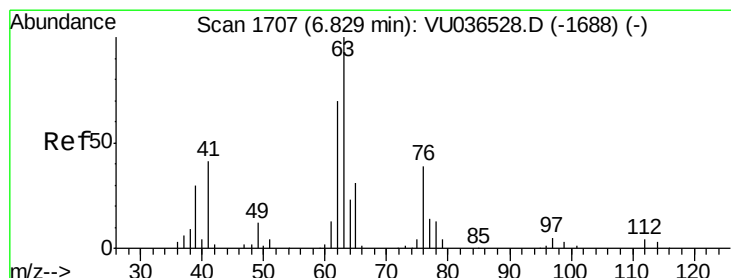
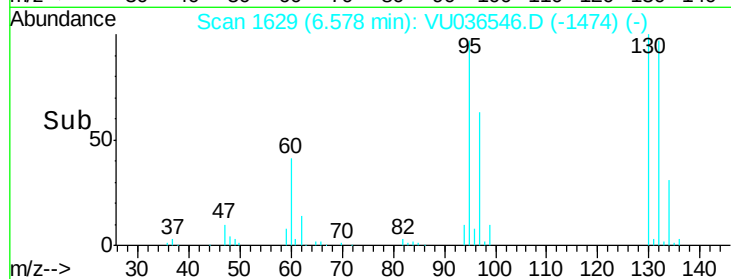
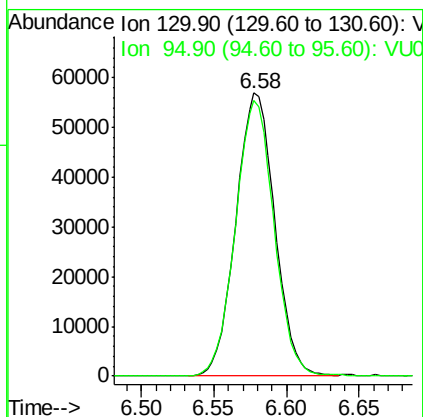
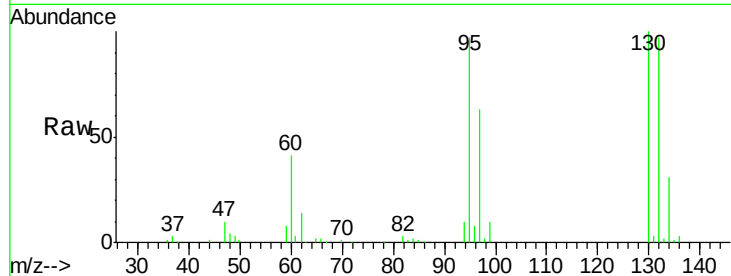
#37
 Trichloroethene
 Concen: 9.736 ug/l
 RT: 6.58 min Scan# 1629
 Delta R.T. -0.00 min
 Lab File: VU036546.D
 Acq: 23 Jan 2020 18:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:130 Resp: 106133
 Ion Ratio Lower Upper
 130 100
 95 97.5 77.0 115.4

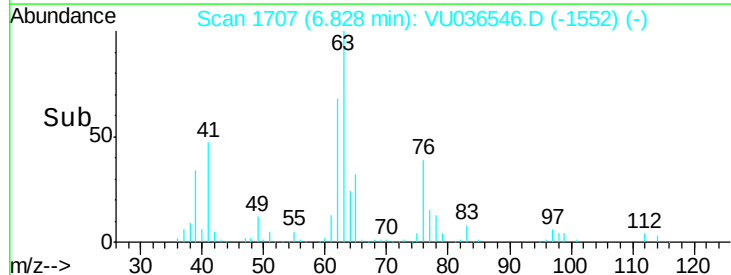
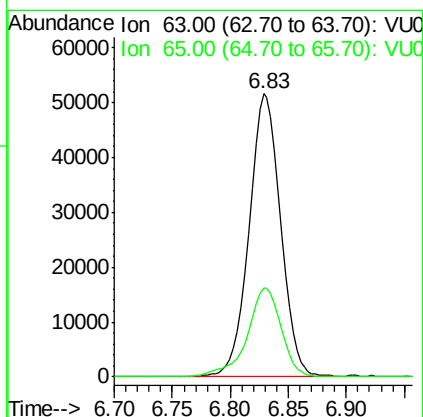
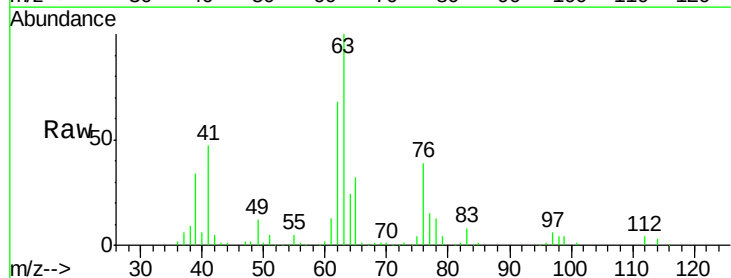
Manual Integrations
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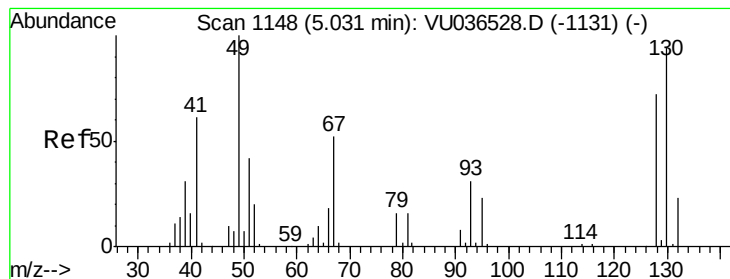
apatel
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#38
 1,2-Dichloropropane
 Concen: 9.881 ug/l
 RT: 6.83 min Scan# 1707
 Delta R.T. -0.00 min
 Lab File: VU036546.D
 Acq: 23 Jan 2020 18:23

Tgt Ion: 63 Resp: 98094
 Ion Ratio Lower Upper
 63 100
 65 31.5 24.7 37.1





#39

Methacrylonitrile

Concen: 9.849 ug/l

RT: 5.03 min Scan# 1148

Delta R.T. -0.00 min

Lab File: VU036546.D

Acq: 23 Jan 2020 18:23

Instrument :

MSVOA_U

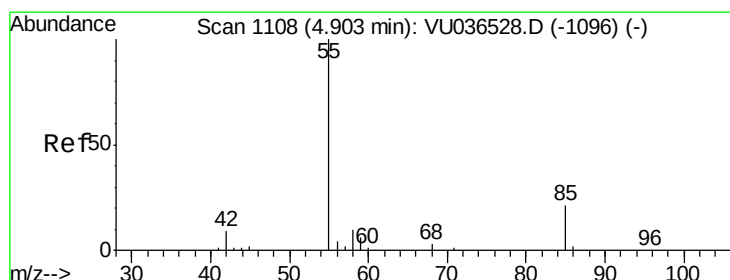
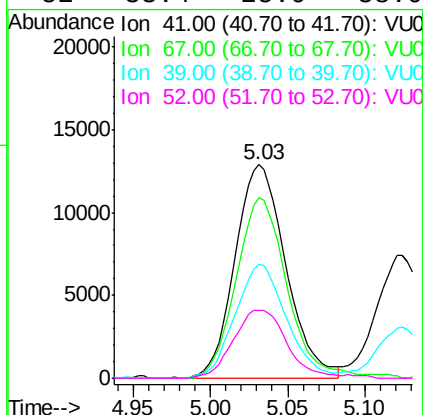
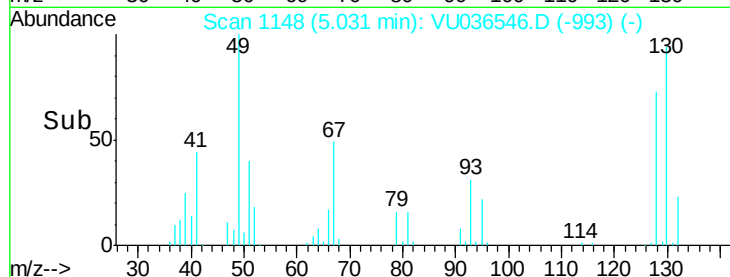
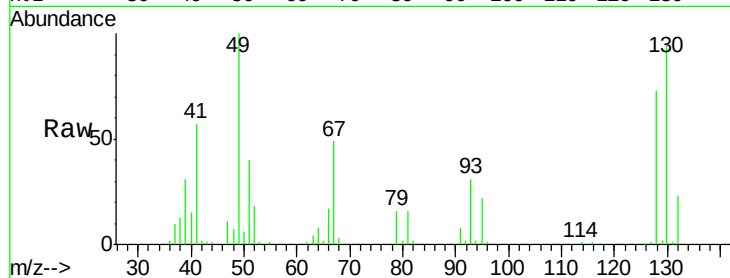
ClientSampleId :

VSTDCCC010EC

Tot Ion	41	Resp	29441
Ion Ratio	Lower	Upper	
41	100		
67	85.3	69.6	104.4
39	53.6	41.6	62.4
52	33.4	25.9	38.9

Manual Integrations
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#40

Methyl acrylate

Concen: 10.875 ug/l

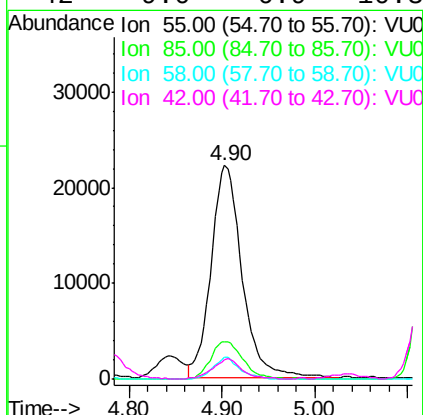
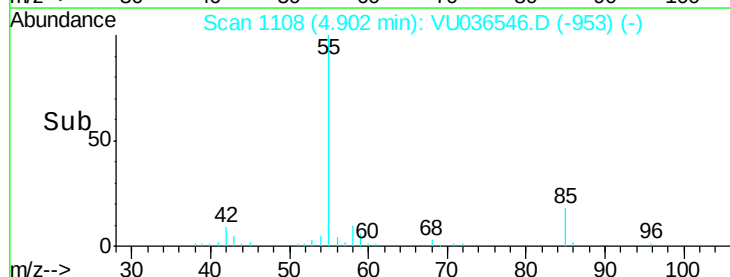
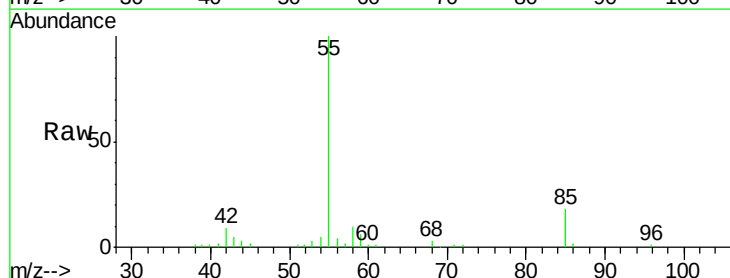
RT: 4.90 min Scan# 1108

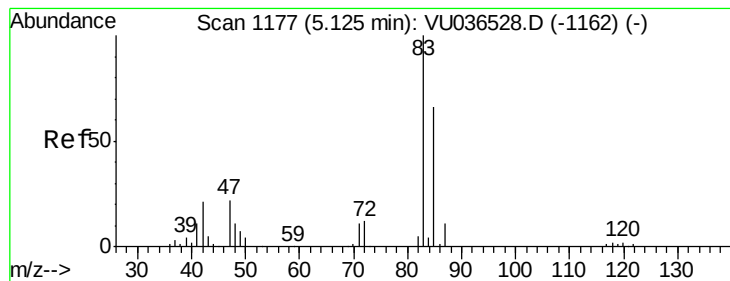
Delta R.T. -0.00 min

Lab File: VU036546.D

Acq: 23 Jan 2020 18:23

Tgt Ion	55	Resp	51525
Ion Ratio	Lower	Upper	
55	100		
85	18.3	14.7	22.1
58	8.7	7.1	10.7
42	9.0	6.9	10.3





#41

Tetrahydrofuran

Concen: 18.237 ug/l

RT: 5.12 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VU036546.D

Acq: 23 Jan 2020 18:23

Instrument :

MSVOA_U

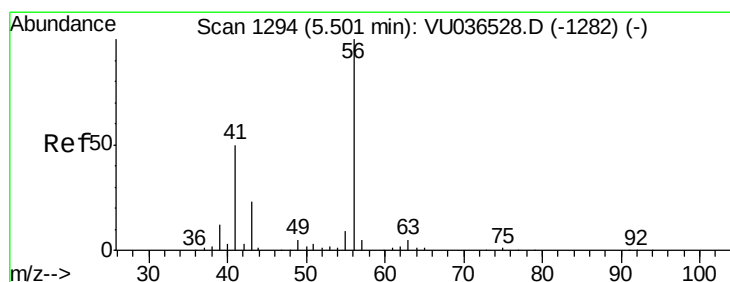
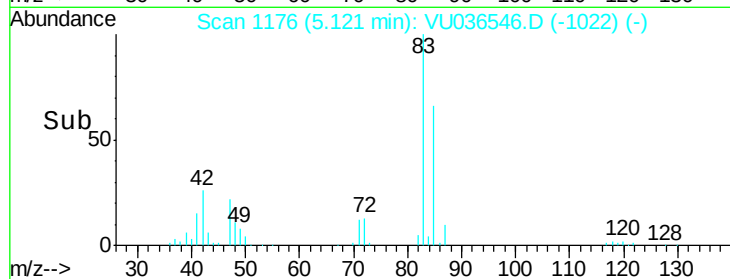
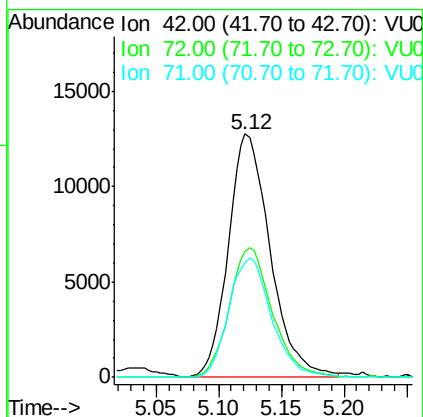
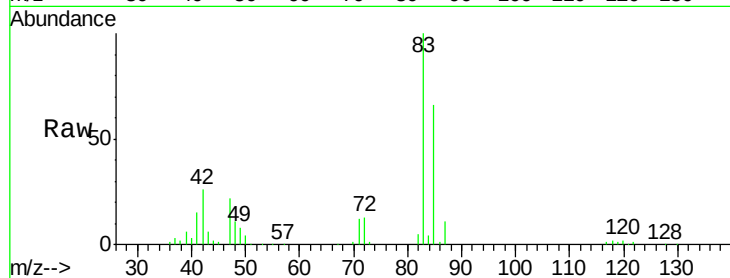
ClientSampleId :

VSTDCCC010EC

Tot Ion:	42	Resp:	29701
Ion	Ratio	Lower	Upper
42	100		
72	54.6	42.5	63.7
71	50.0	37.3	55.9

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#42

1-Chlorobutane

Concen: 9.877 ug/l

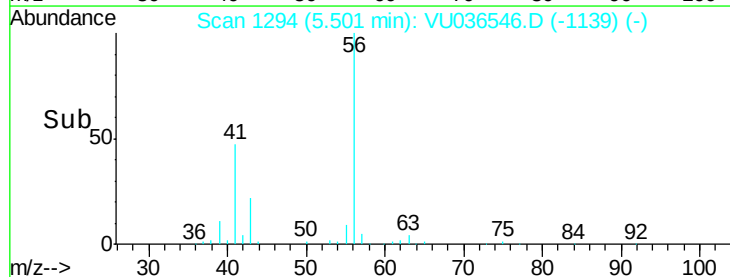
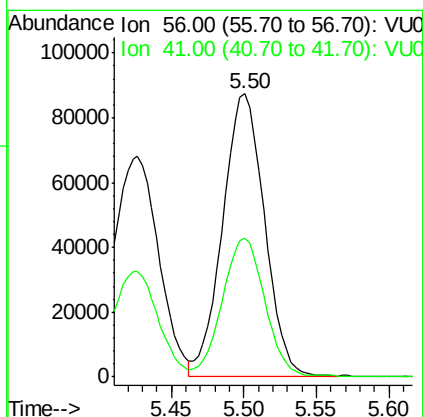
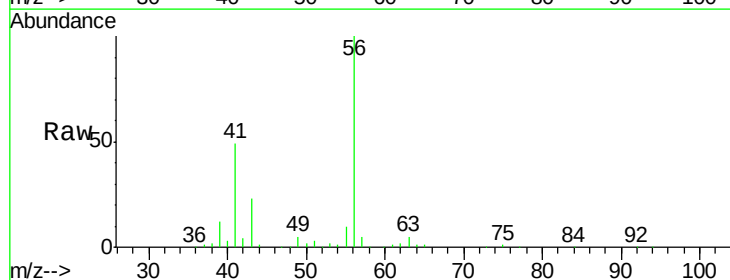
RT: 5.50 min Scan# 1294

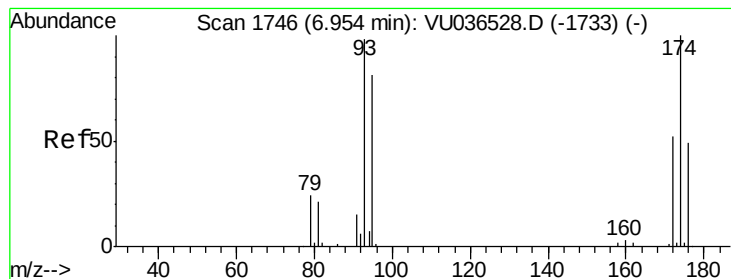
Delta R.T. -0.00 min

Lab File: VU036546.D

Acq: 23 Jan 2020 18:23

Tgt Ion:	56	Resp:	174479
Ion	Ratio	Lower	Upper
56	100		
41	49.5	24.8	74.3





#43

Dibromomethane

Concen: 9.777 ug/l

RT: 6.96 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VU036546.D

Acq: 23 Jan 2020 18:23

Instrument :

MSVOA_U

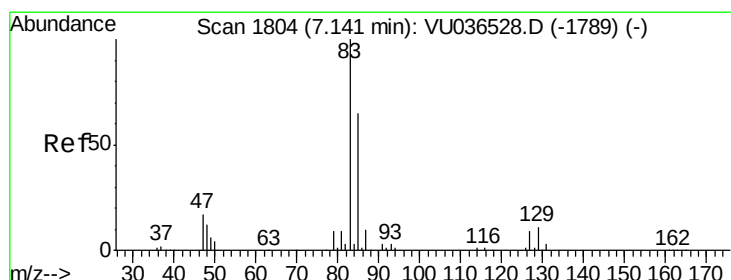
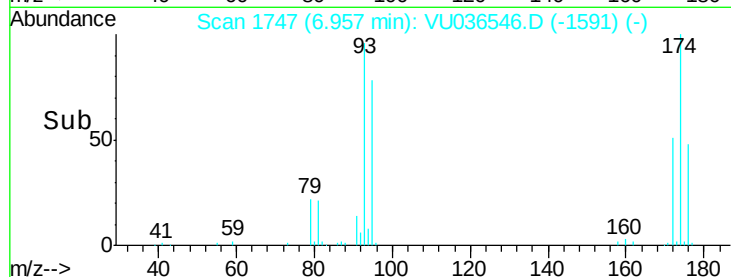
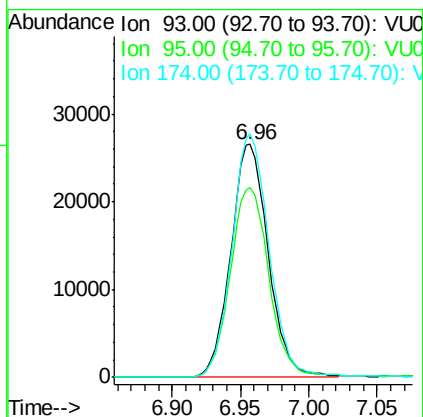
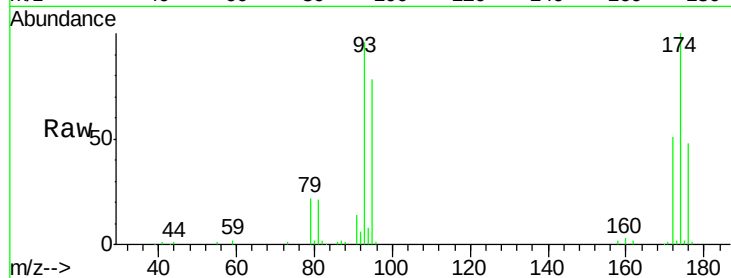
ClientSampleId :

VSTDCCC010EC

Tot Ion:	93	Resp:	50659
Ion	Ratio	Lower	Upper
93	100		
95	84.3	67.9	101.9
174	104.0	83.4	125.0

Manual Integrations
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#44

Bromodichloromethane

Concen: 10.020 ug/l

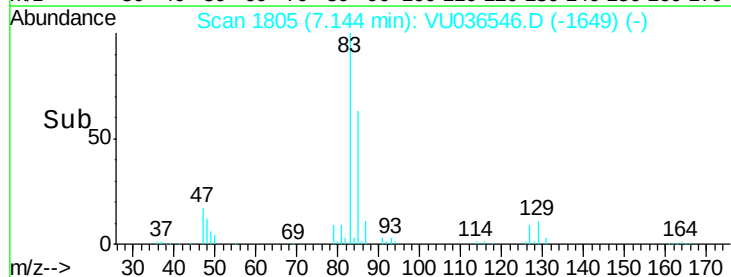
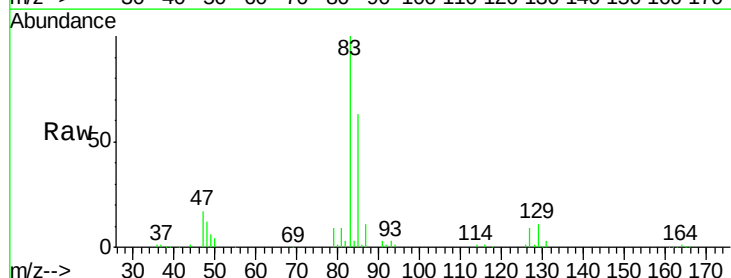
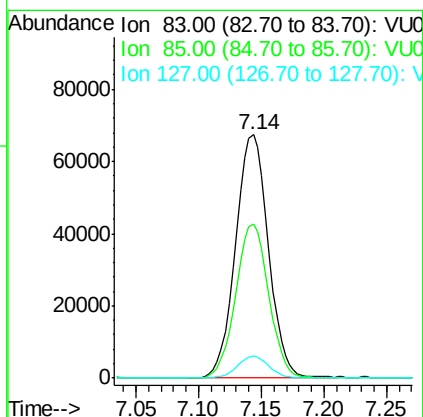
RT: 7.14 min Scan# 1805

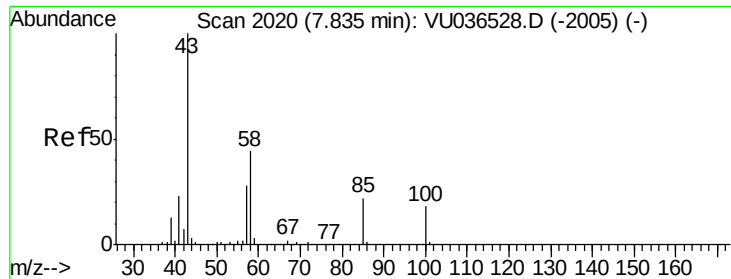
Delta R.T. 0.00 min

Lab File: VU036546.D

Acq: 23 Jan 2020 18:23

Tgt Ion:	83	Resp:	122807
Ion	Ratio	Lower	Upper
83	100		
85	63.2	51.8	77.6
127	8.9	6.8	10.2





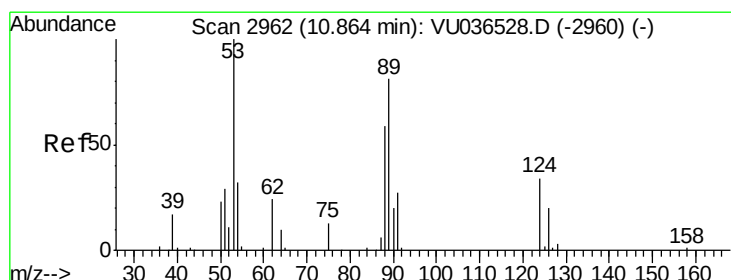
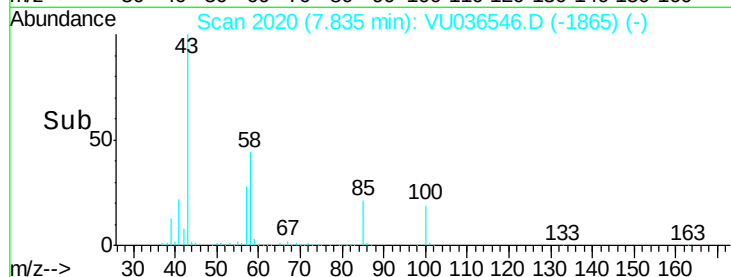
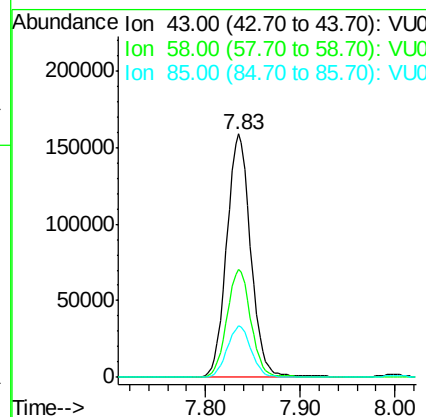
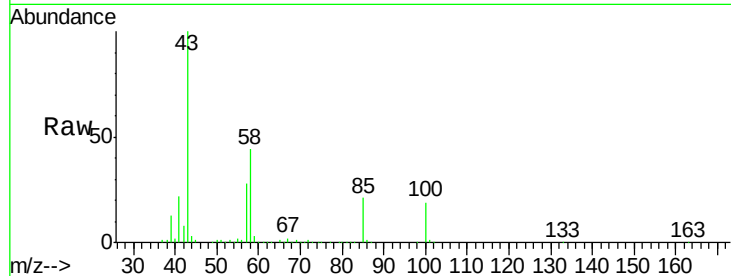
#45
 4-Methyl-2-Pentanone
 Concen: 48.075 ug/l
 RT: 7.83 min Scan# 2020
 Delta R.T. -0.00 min
 Lab File: VU036546.D
 Acq: 23 Jan 2020 18:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
58	43.9	22.1	66.1	
85	21.3	17.4	26.0	

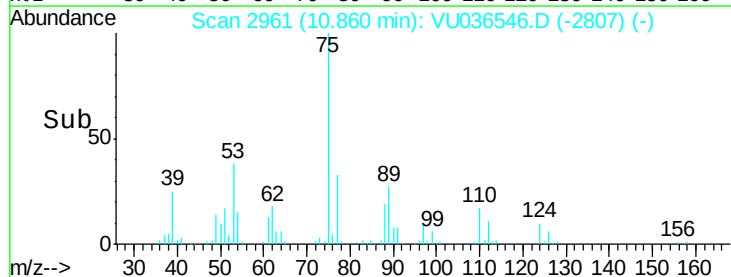
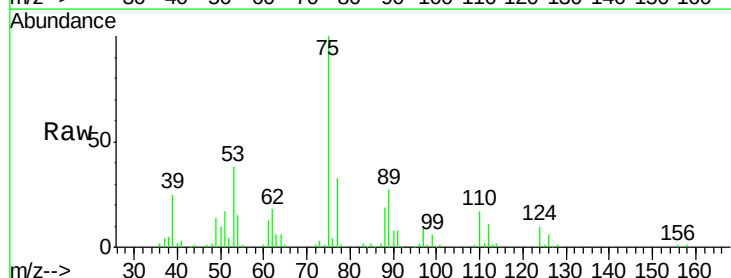
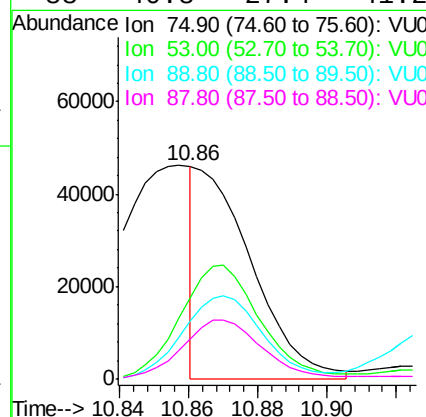
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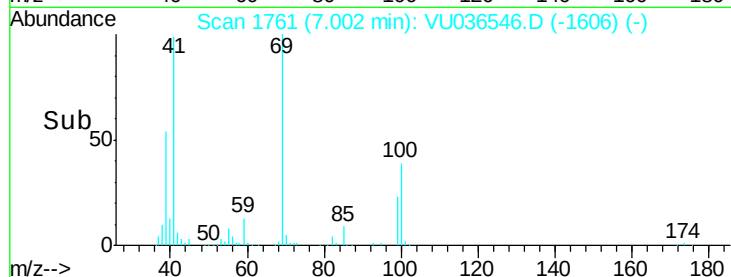
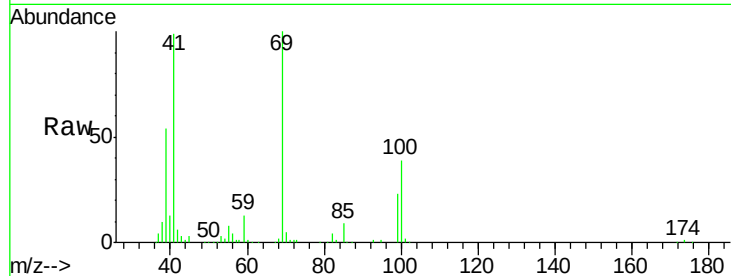
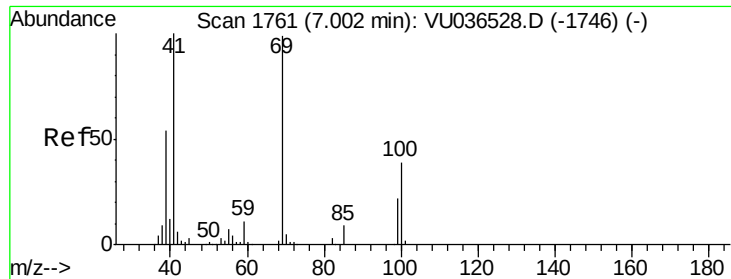
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#46
 t-1,4-Dichloro-2-butene
 Concen: 19.758 ug/l m
 RT: 10.86 min Scan# 2961
 Delta R.T. -0.00 min
 Lab File: VU036546.D
 Acq: 23 Jan 2020 18:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
53	78.1	52.2	78.2	
89	58.3	39.8	59.6	
88	40.8	27.4	41.2	





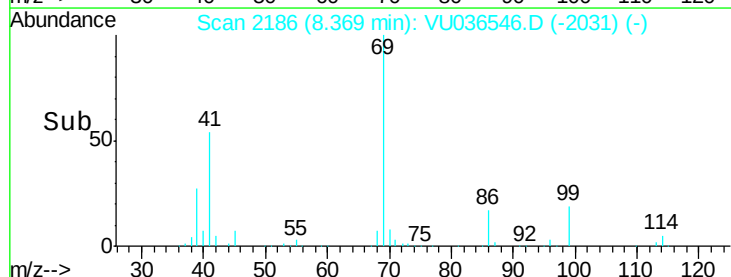
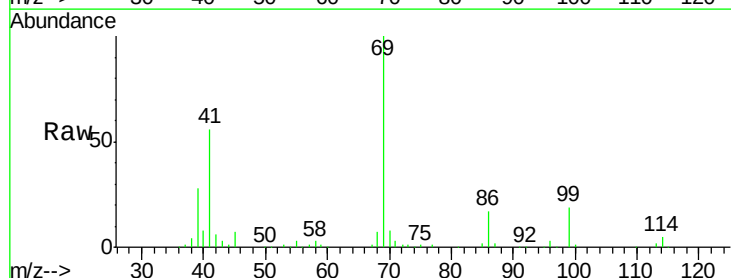
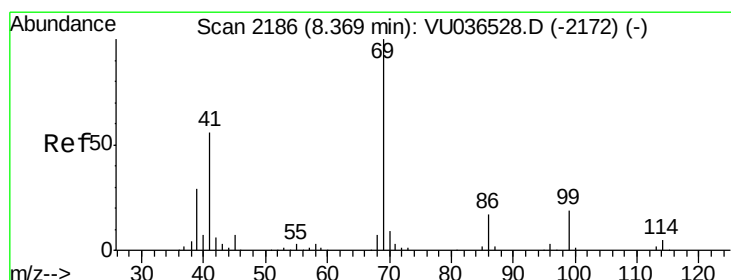
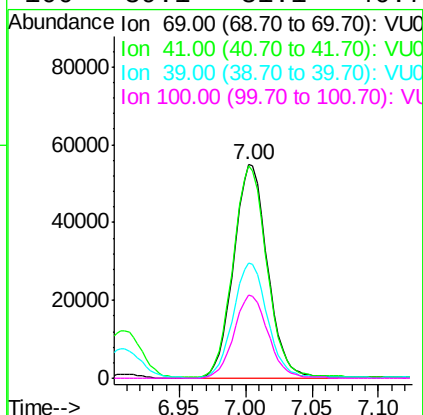
#47
Methyl methacrylate
Concen: 19.262 ug/l
RT: 7.00 min Scan# 1761
Delta R.T. -0.00 min
Lab File: VU036546.D
Acq: 23 Jan 2020 18:23

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	98.8	0.0	200.8	
39	54.2	43.5	65.3	
100	39.1	31.1	46.7	

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

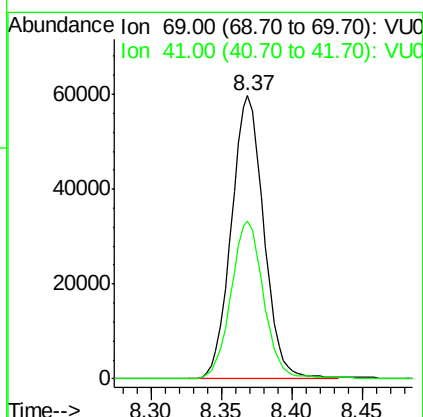
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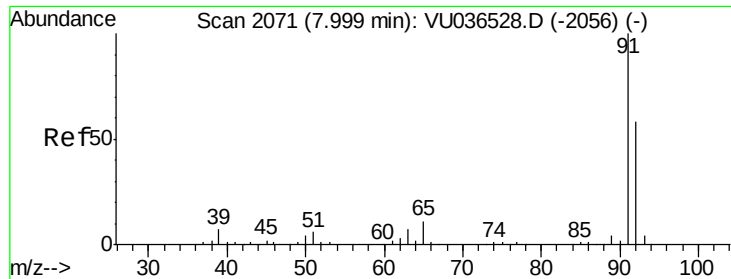
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#48
Ethyl methacrylate
Concen: 9.815 ug/l
RT: 8.37 min Scan# 2186
Delta R.T. -0.00 min
Lab File: VU036546.D
Acq: 23 Jan 2020 18:23

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	56.5	27.9	83.6	





#49

Toluene

Concen: 9.855 ug/l

RT: 8.00 min Scan# 2072

Delta R.T. 0.00 min

Lab File: VU036546.D

Acq: 23 Jan 2020 18:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 92 Resp: 248396

Ion Ratio Lower Upper

92 100

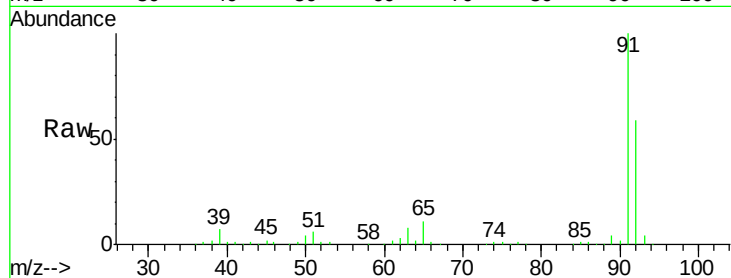
91 172.1 139.1 208.7

Manual Integrations

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Abundance Ion 92.00 (91.70 to 92.70): VU036528.D (-2056) (-)

Ion 91.00 (90.70 to 91.70): VU036528.D (-2056) (-)

250000

200000

150000

100000

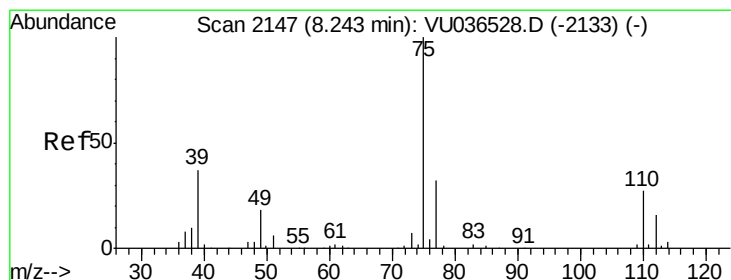
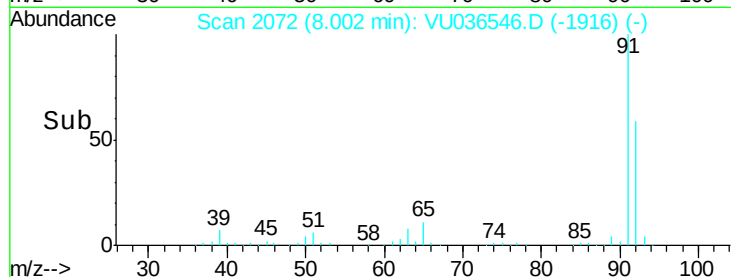
50000

0

8.00

7.95 8.00 8.05

Time-->



#50

t-1,3-Dichloropropene

Concen: 10.058 ug/l

RT: 8.24 min Scan# 2147

Delta R.T. -0.00 min

Lab File: VU036546.D

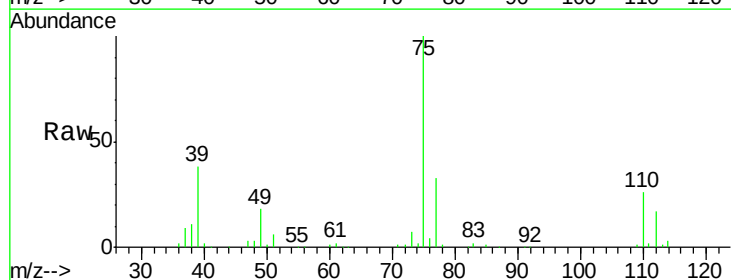
Acq: 23 Jan 2020 18:23

Tgt Ion: 75 Resp: 122836

Ion Ratio Lower Upper

75 100

77 32.8 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU036528.D (-2133) (-)

Ion 77.00 (76.70 to 77.70): VU036528.D (-2133) (-)

80000

60000

40000

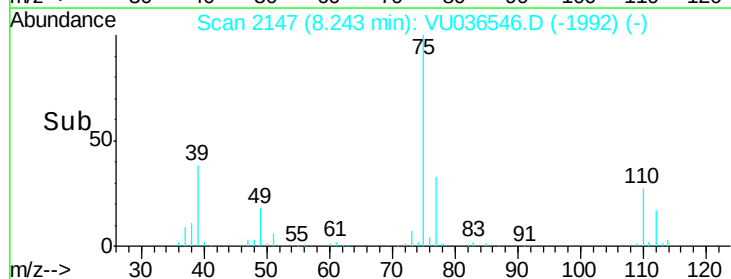
20000

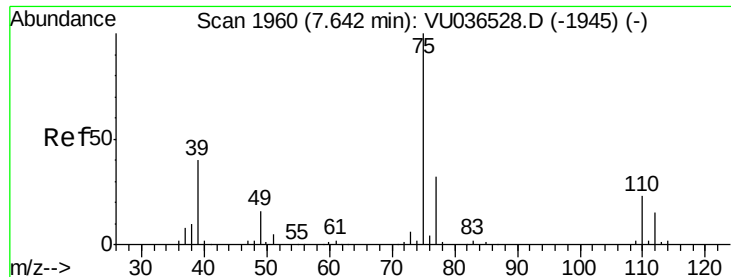
0

8.24

8.20 8.30

Time-->





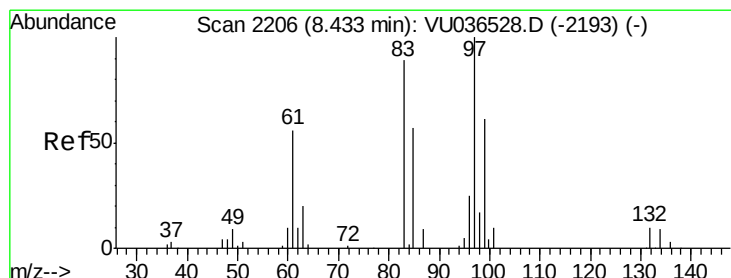
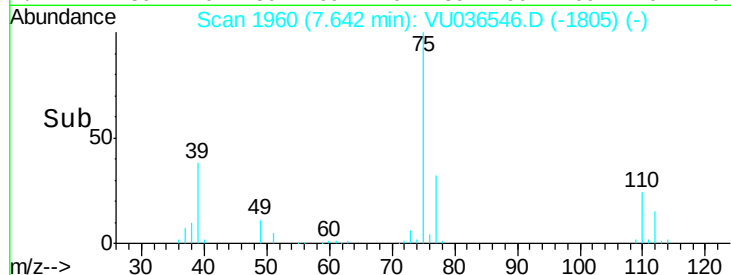
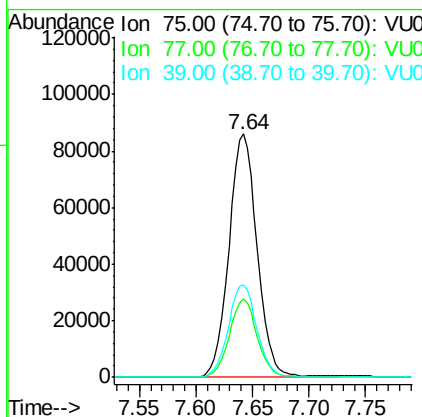
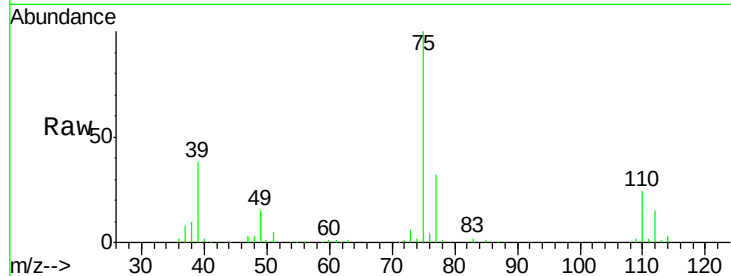
#51
 cis-1,3-Dichloropropene
 Concen: 10.098 ug/l
 RT: 7.64 min Scan# 1960
 Delta R.T. -0.00 min
 Lab File: VU036546.D
 Acq: 23 Jan 2020 18:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.3	37.9
39	38.3	31.8	47.6

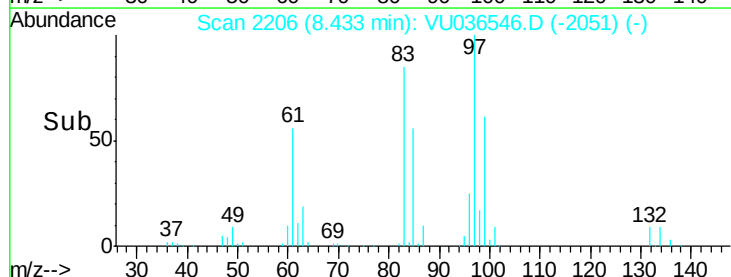
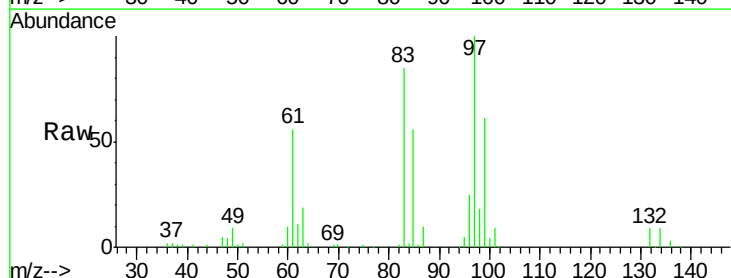
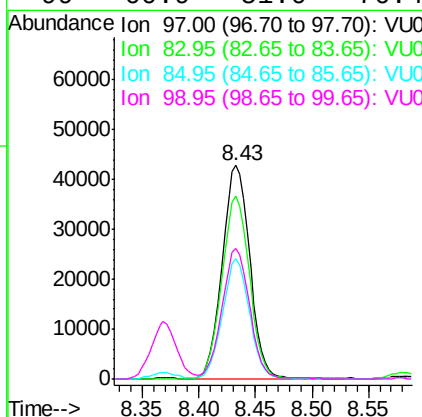
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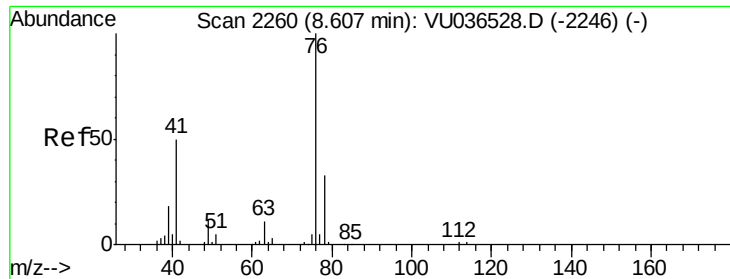
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#52
 1,1,2-Trichloroethane
 Concen: 9.937 ug/l
 RT: 8.43 min Scan# 2206
 Delta R.T. -0.00 min
 Lab File: VU036546.D
 Acq: 23 Jan 2020 18:23

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.4	70.9	106.3
85	55.9	45.6	68.4
99	60.9	51.0	76.4





#53

1,3-Dichloropropane

Concen: 9.922 ug/l

RT: 8.61 min Scan# 2260

Delta R.T. -0.00 min

Lab File: VU036546.D

Acq: 23 Jan 2020 18:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 76 Resp: 125022

Ion Ratio Lower Upper

76 100

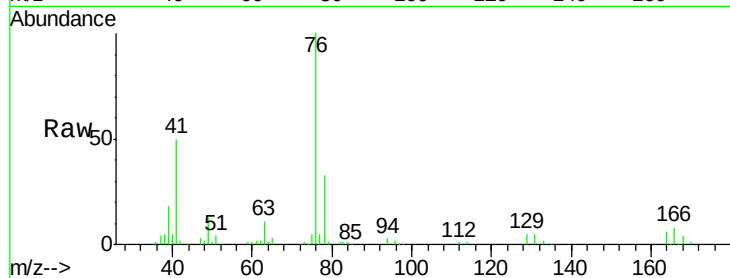
78 32.1 25.4 38.2

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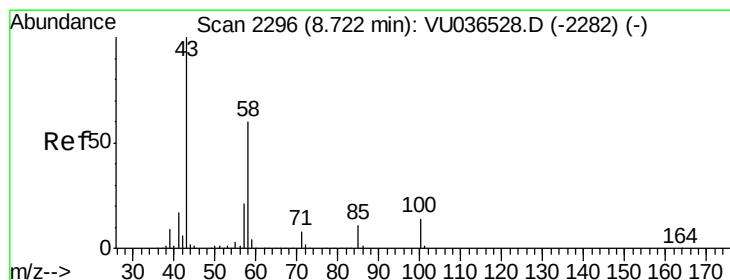
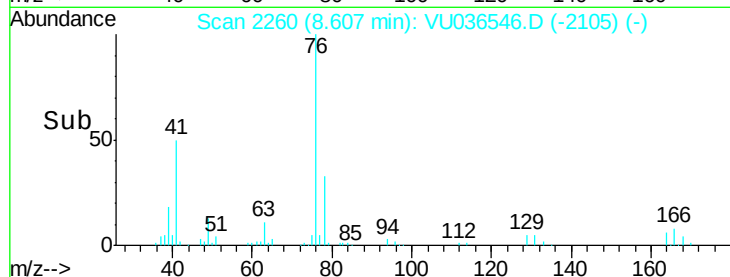
Abundance Ion 76.00 (75.70 to 76.70): VU036528.D (-2246) (-)

Ion 78.00 (77.70 to 78.70): VU036528.D (-2246) (-)

8.61

8.55 8.60 8.65 8.70

Time-->



#54

2-Hexanone

Concen: 47.580 ug/l

RT: 8.72 min Scan# 2296

Delta R.T. -0.00 min

Lab File: VU036546.D

Acq: 23 Jan 2020 18:23

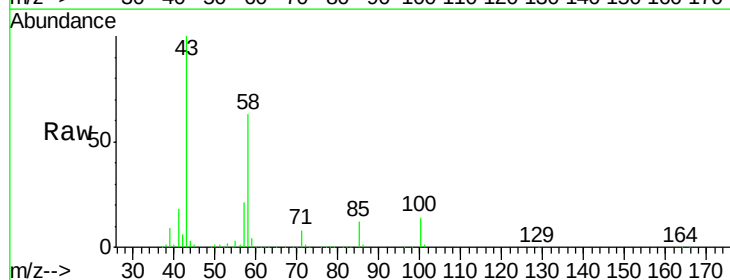
Tgt Ion: 43 Resp: 194796

Ion Ratio Lower Upper

43 100

58 61.7 40.6 80.6

57 21.1 1.2 41.2



Abundance Ion 43.00 (42.70 to 43.70): VU036528.D (-2282) (-)

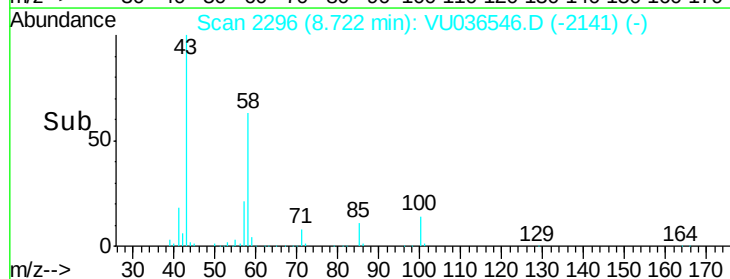
Ion 58.00 (57.70 to 58.70): VU036528.D (-2282) (-)

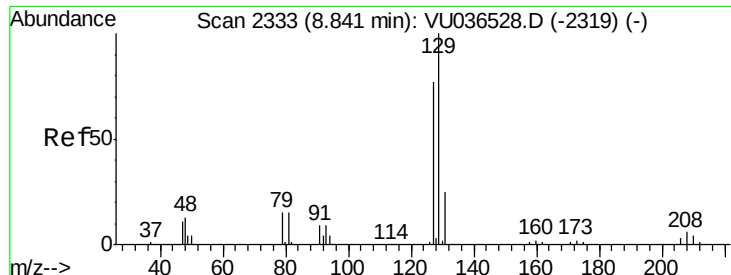
Ion 57.00 (56.70 to 57.70): VU036528.D (-2282) (-)

8.72

8.70 8.80

Time-->





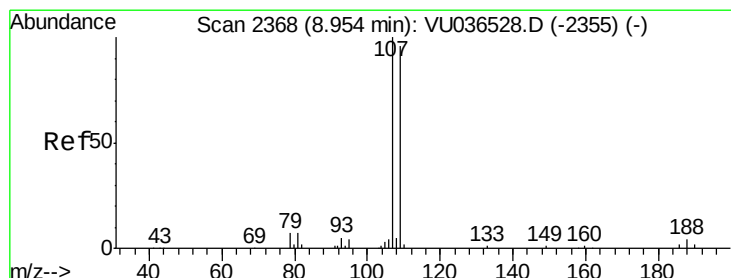
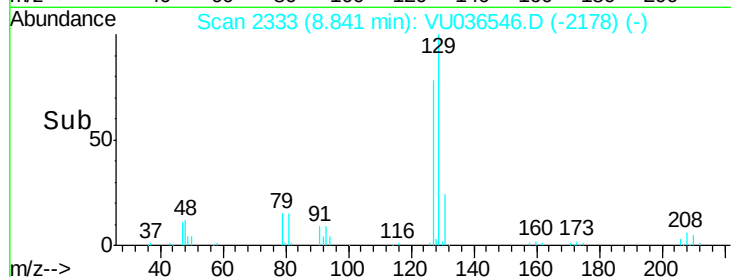
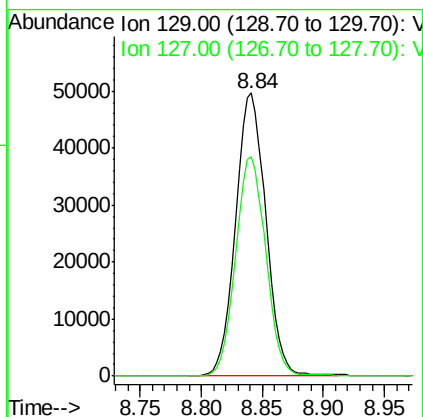
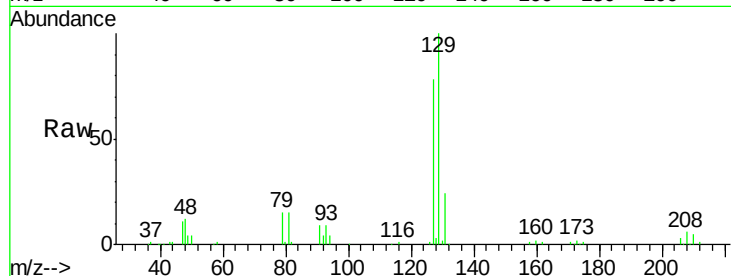
#55
 Dibromochloromethane
 Concen: 10.098 ug/l
 RT: 8.84 min Scan# 2333
 Delta R.T. -0.00 min
 Lab File: VU036546.D
 Acq: 23 Jan 2020 18:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:129 Resp: 85471
 Ion Ratio Lower Upper
 129 100
 127 77.0 62.6 94.0

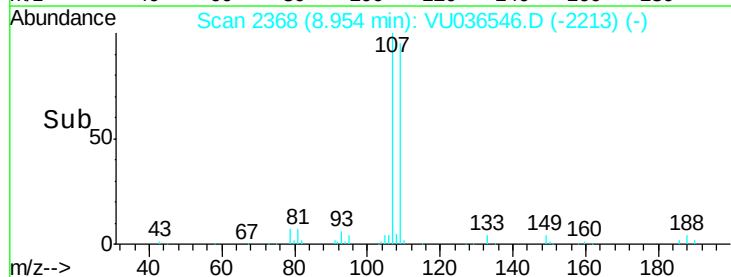
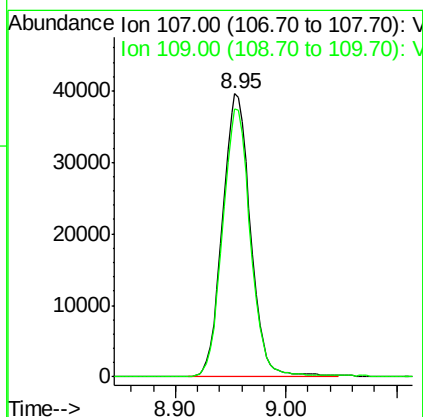
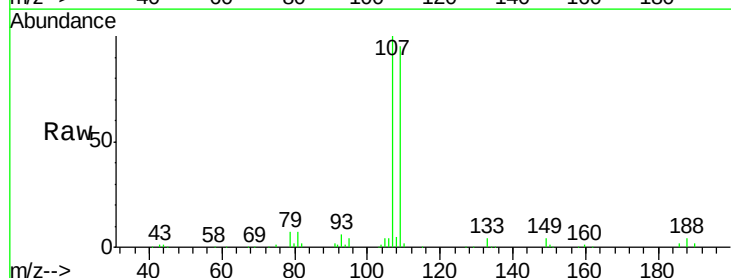
Manual Integrations
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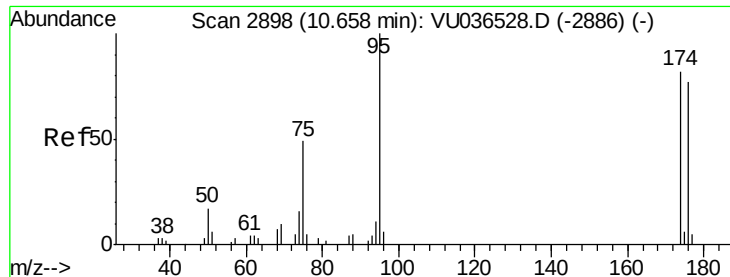
apatel
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#56
 1,2-Dibromoethane
 Concen: 9.875 ug/l
 RT: 8.95 min Scan# 2368
 Delta R.T. -0.00 min
 Lab File: VU036546.D
 Acq: 23 Jan 2020 18:23

Tgt Ion:107 Resp: 69904
 Ion Ratio Lower Upper
 107 100
 109 93.8 0.0 190.8





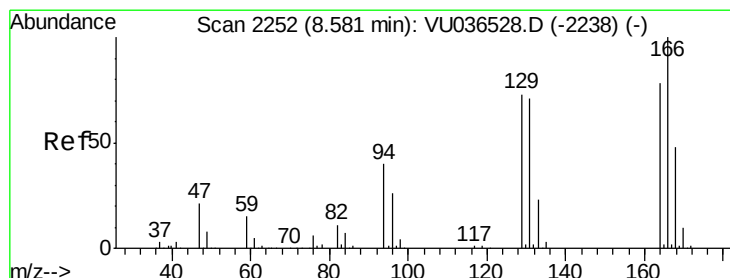
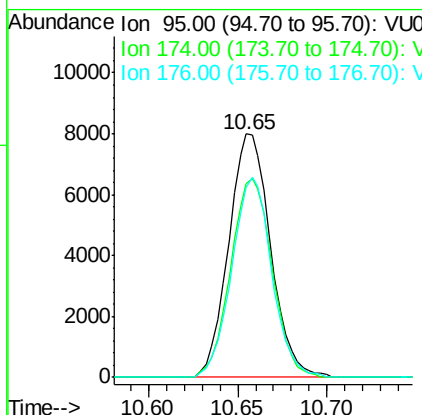
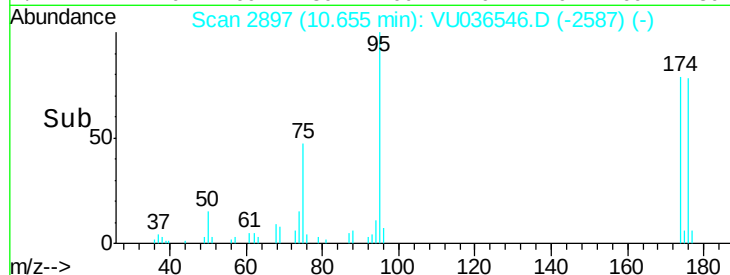
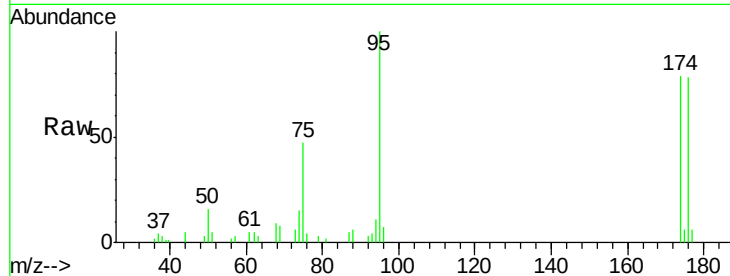
#57
4-Bromofluorobenzene
Concen: 0.972 ug/l
RT: 10.65 min Scan# 2897
Delta R.T. -0.00 min
Lab File: VU036546.D
Acq: 23 Jan 2020 18:23

Instrument :
MSVOA_U
ClientSampled :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
95	100		
174	80.9	64.7	97.1
176	78.3	60.6	91.0

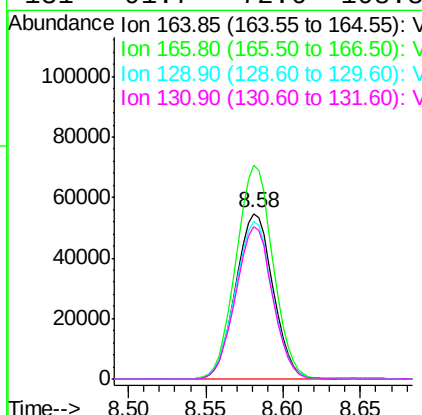
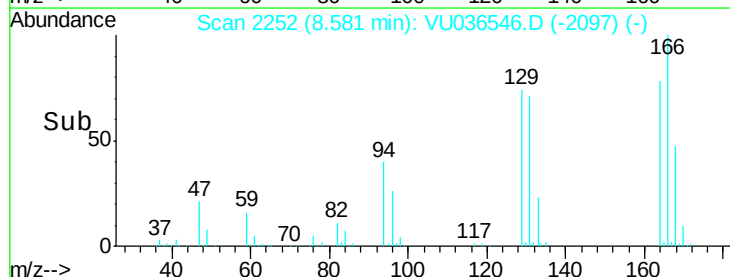
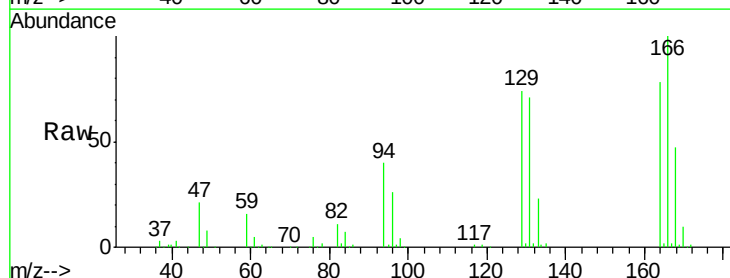
Manual Integrations
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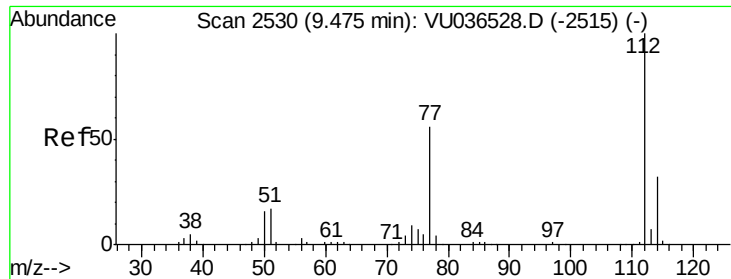
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#58
Tetrachloroethene
Concen: 8.437 ug/l
RT: 8.58 min Scan# 2252
Delta R.T. -0.00 min
Lab File: VU036546.D
Acq: 23 Jan 2020 18:23

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.8	102.0	153.0
129	95.0	74.9	112.3
131	91.7	72.6	108.8





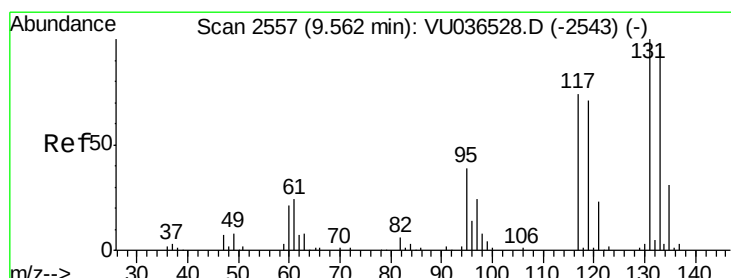
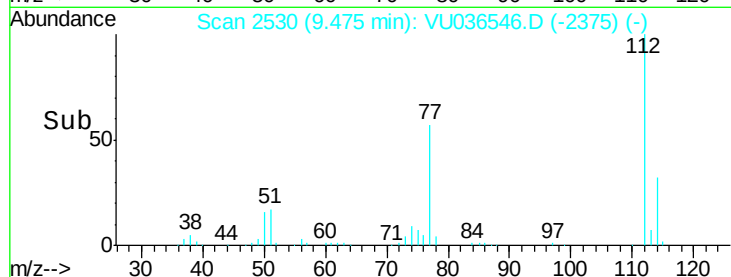
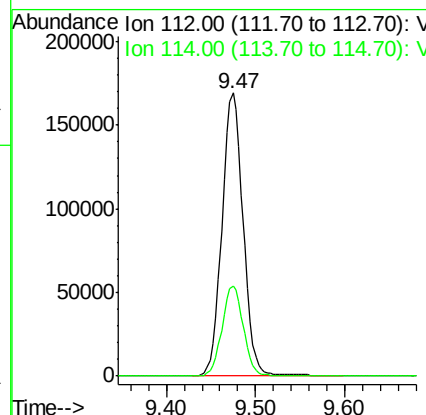
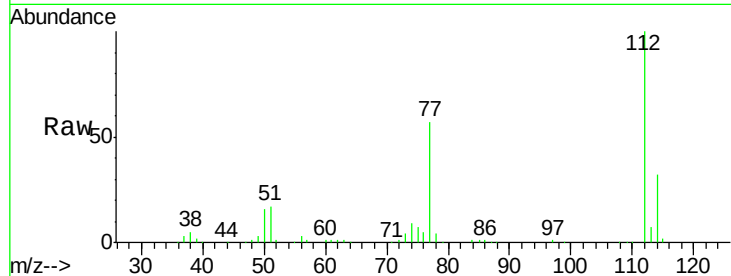
#59
Chlorobenzene
Concen: 9.927 ug/l
RT: 9.47 min Scan# 2530
Delta R.T. -0.00 min
Lab File: VU036546.D
Acq: 23 Jan 2020 18:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion:112 Resp: 278688
Ion Ratio Lower Upper
112 100
114 31.9 25.8 38.8

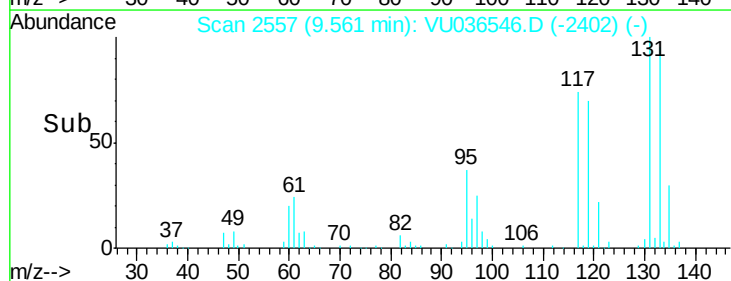
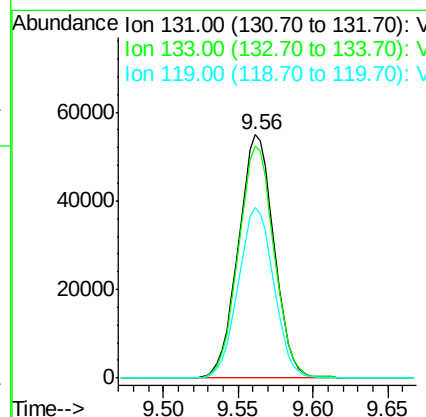
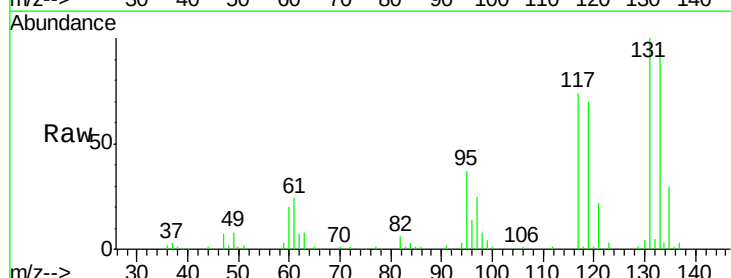
Manual Integrations
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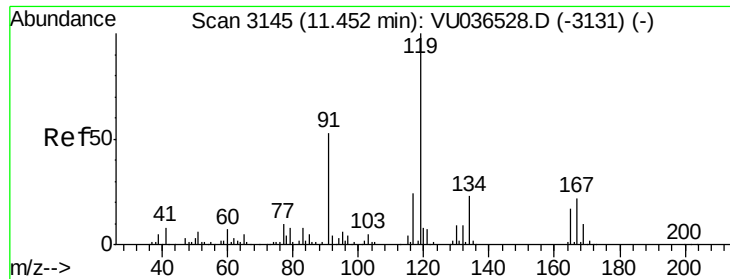
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#60
1,1,1,2-Tetrachloroethane
Concen: 10.176 ug/l
RT: 9.56 min Scan# 2557
Delta R.T. -0.00 min
Lab File: VU036546.D
Acq: 23 Jan 2020 18:23

Tgt Ion:131 Resp: 91247
Ion Ratio Lower Upper
131 100
133 95.5 76.4 114.6
119 70.0 56.6 85.0





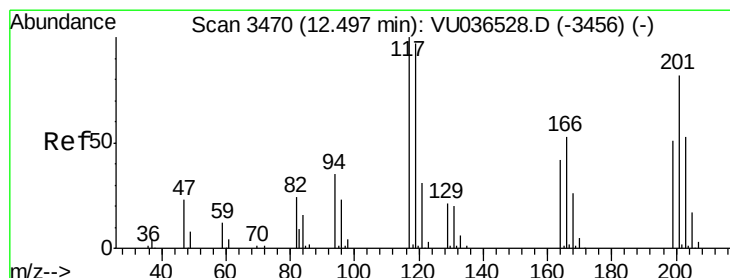
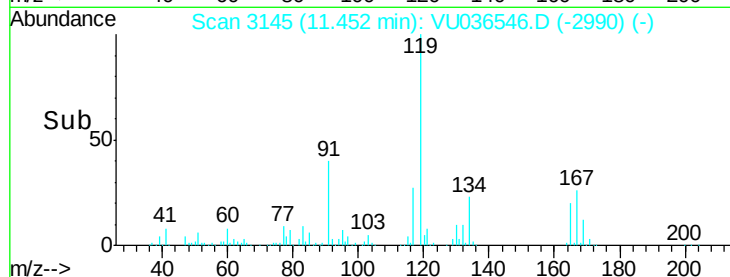
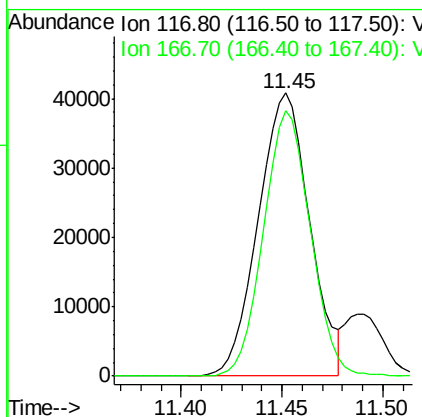
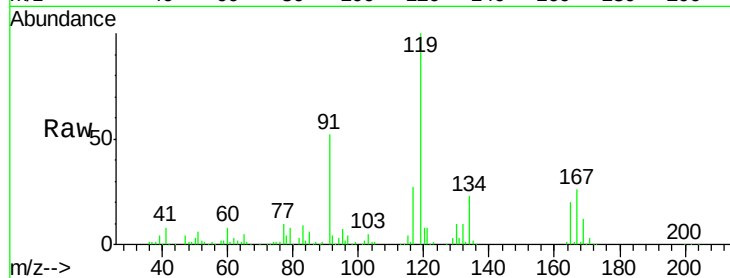
#61
 Pentachloroethane
 Concen: 12.518 ug/l
 RT: 11.45 min Scan# 3145
 Delta R.T. -0.00 min
 Lab File: VU036546.D
 Acq: 23 Jan 2020 18:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:117 Resp: 72420
 Ion Ratio Lower Upper
 117 100
 167 85.2 66.7 100.1

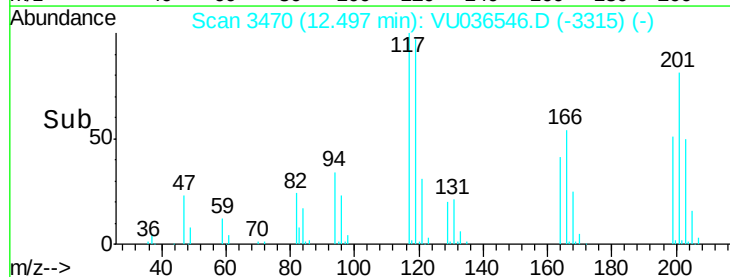
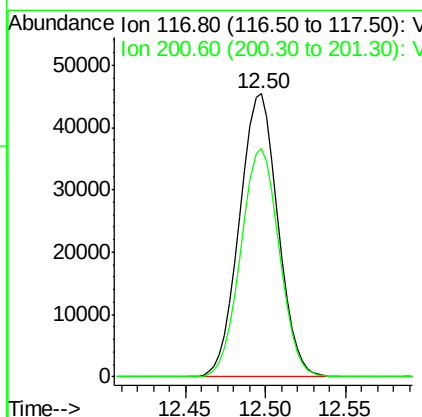
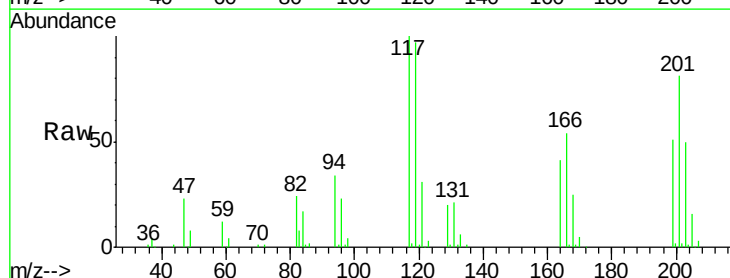
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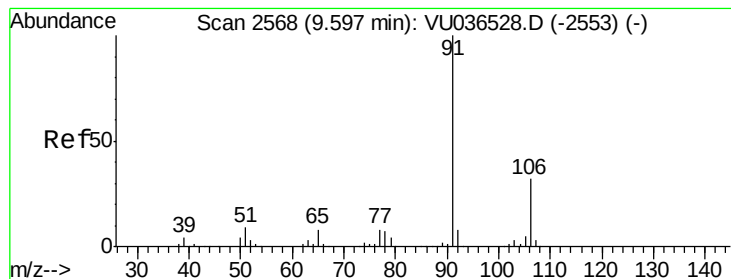
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#62
 Hexachloroethane
 Concen: 10.090 ug/l
 RT: 12.50 min Scan# 3470
 Delta R.T. -0.00 min
 Lab File: VU036546.D
 Acq: 23 Jan 2020 18:23

Tgt Ion:117 Resp: 74392
 Ion Ratio Lower Upper
 117 100
 201 80.5 65.0 97.4





#63

Ethyl Benzene

Concen: 9.925 ug/l

RT: 9.60 min Scan# 2568

Delta R.T. -0.00 min

Lab File: VU036546.D

Acq: 23 Jan 2020 18:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 467002

Ion Ratio Lower Upper

91 100

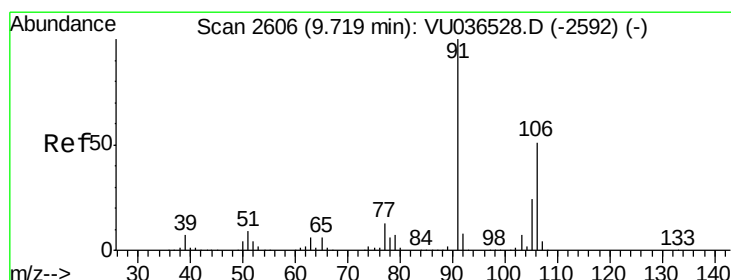
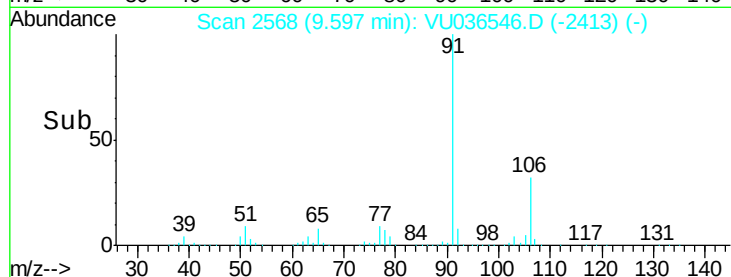
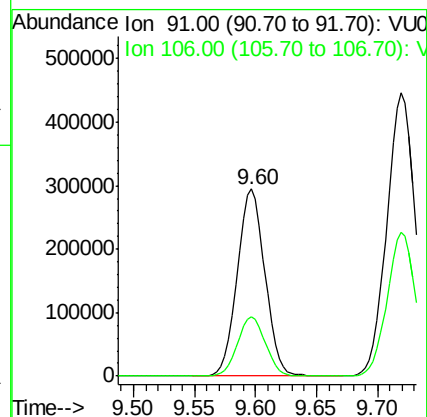
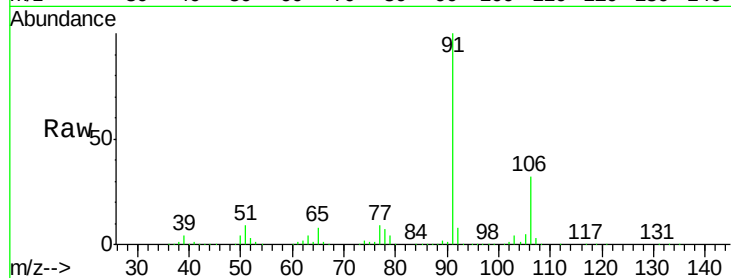
106 31.7 26.0 39.0

Manual Integrations

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#64

m/p-Xylenes

Concen: 19.771 ug/l

RT: 9.72 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VU036546.D

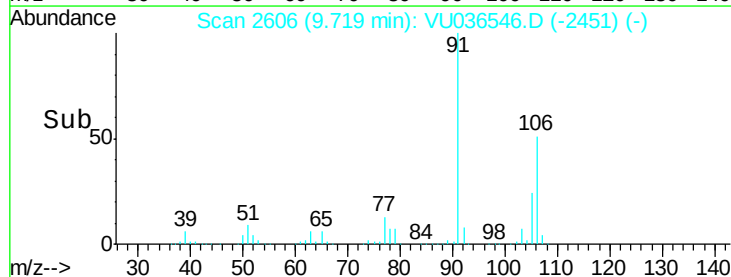
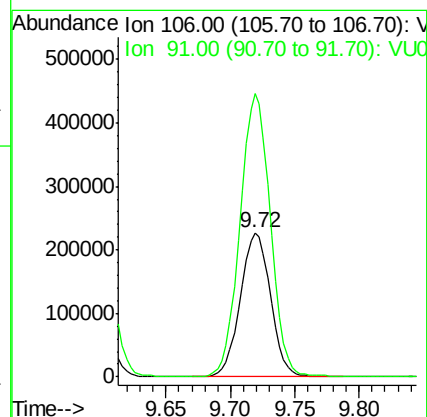
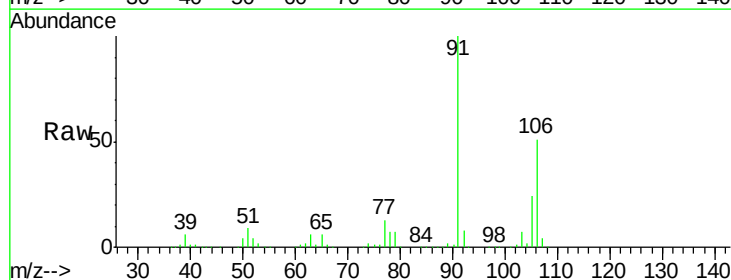
Acq: 23 Jan 2020 18:23

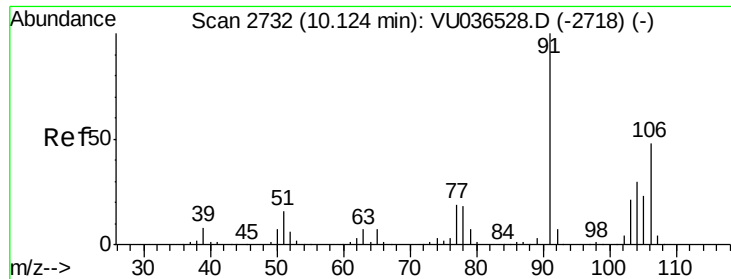
Tgt Ion: 106 Resp: 368214

Ion Ratio Lower Upper

106 100

91 198.0 158.2 237.4





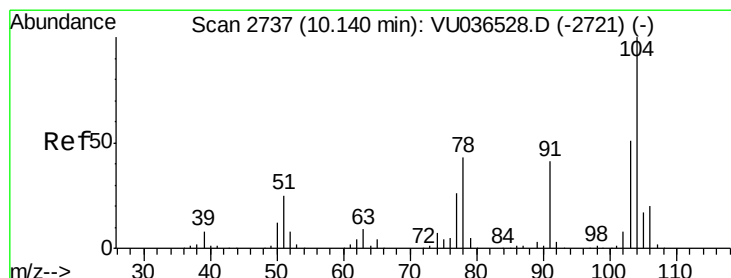
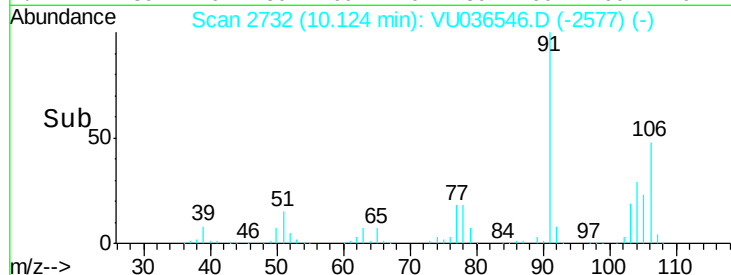
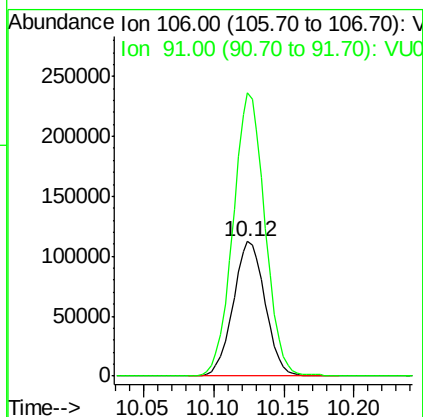
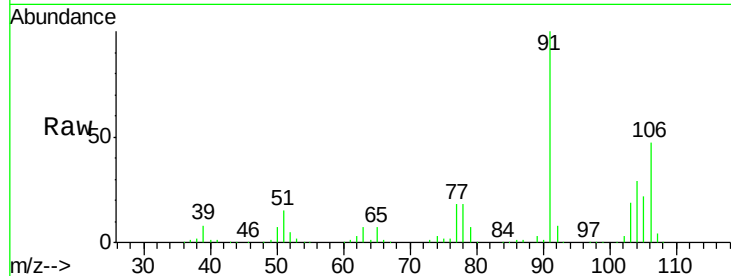
#65
o-Xylene
Concen: 9.881 ug/l
RT: 10.12 min Scan# 2732
Delta R.T. -0.00 min
Lab File: VU036546.D
Acq: 23 Jan 2020 18:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion:106 Resp: 178202
Ion Ratio Lower Upper
106 100
91 210.0 104.3 312.9

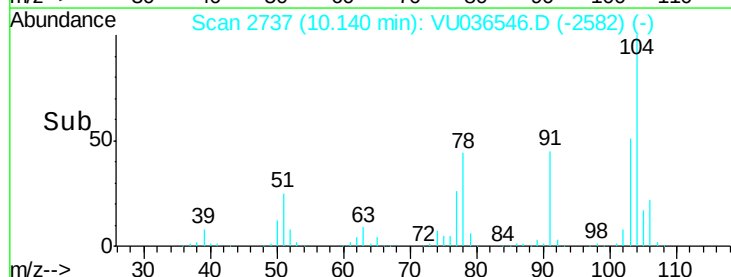
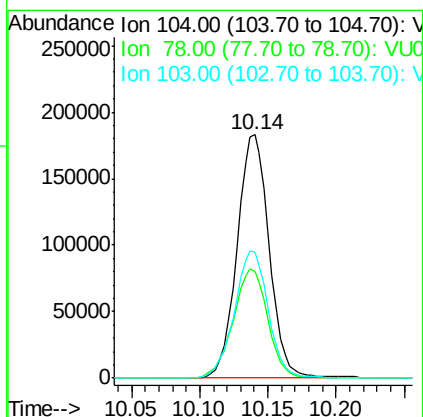
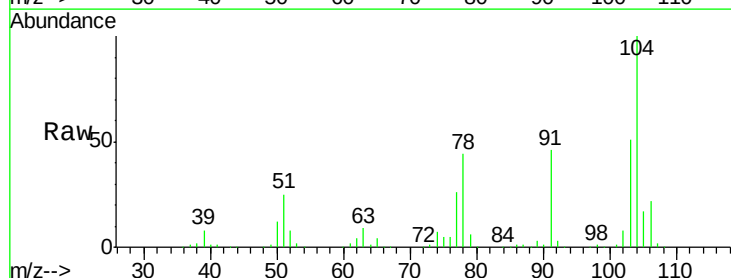
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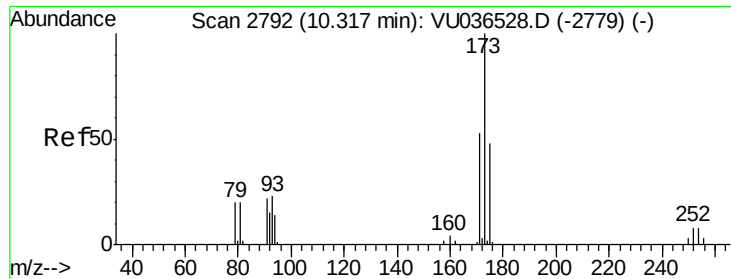
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#66
Styrene
Concen: 9.882 ug/l
RT: 10.14 min Scan# 2737
Delta R.T. -0.00 min
Lab File: VU036546.D
Acq: 23 Jan 2020 18:23

Tgt Ion:104 Resp: 298471
Ion Ratio Lower Upper
104 100
78 48.6 38.6 57.8
103 55.4 44.4 66.6





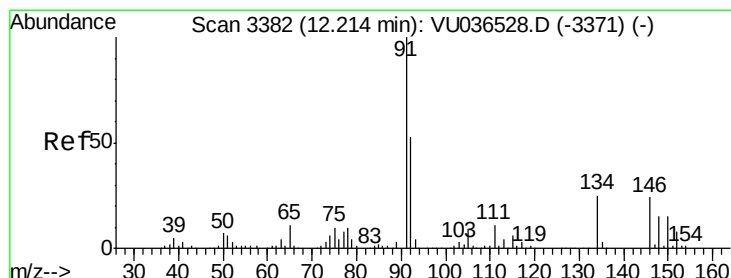
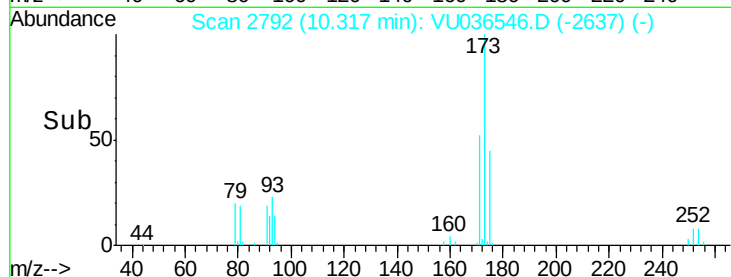
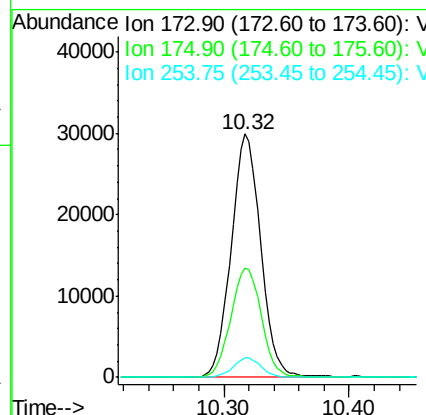
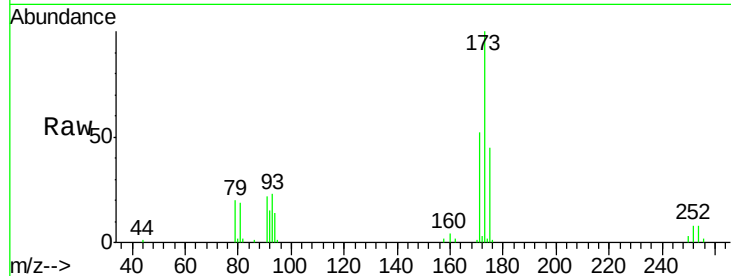
#67
Bromoform
Concen: 10.132 ug/l
RT: 10.32 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VU036546.D
Acq: 23 Jan 2020 18:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.6	38.3	57.5
254	7.6	6.6	9.8

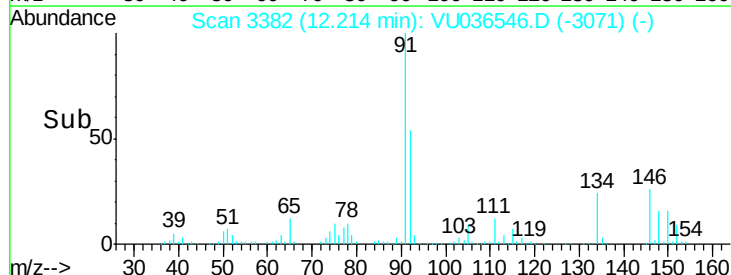
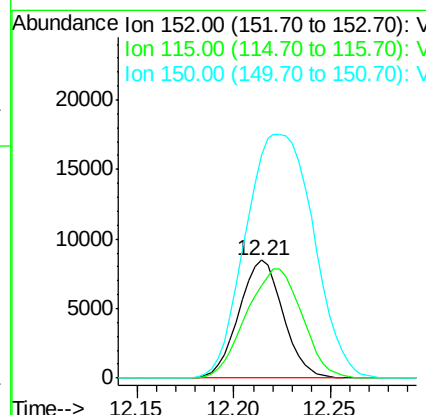
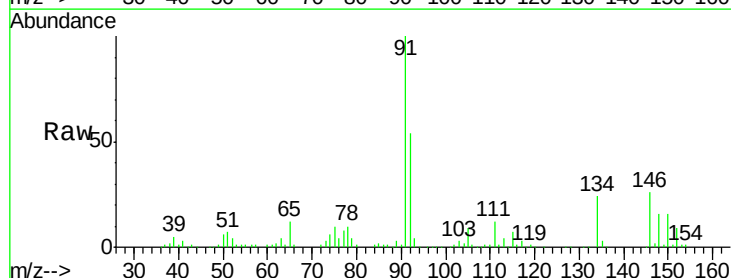
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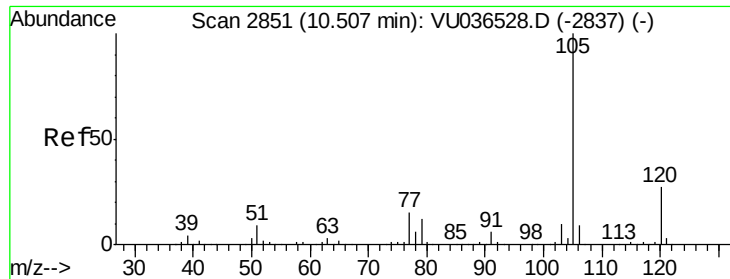
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#68
1,2-Dichlorobenzene-d4
Concen: 0.978 ug/l
RT: 12.21 min Scan# 3382
Delta R.T. -0.00 min
Lab File: VU036546.D
Acq: 23 Jan 2020 18:23

Tgt Ion	Ratio	Lower	Upper
152	100		
115	116.8	0.0	241.8
150	318.4	0.0	652.4





#69

Isopropylbenzene

Concen: 9.952 ug/l

RT: 10.51 min Scan# 2851

Delta R.T. -0.00 min

Lab File: VU036546.D

Acq: 23 Jan 2020 18:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 471508

Ion Ratio Lower Upper

105 100

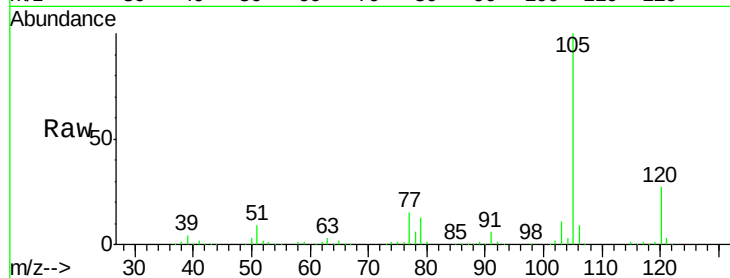
120 26.9 13.6 40.7

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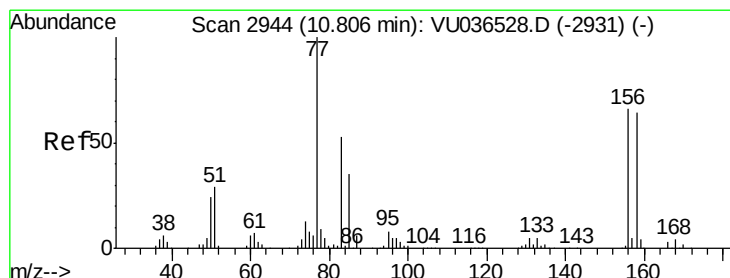
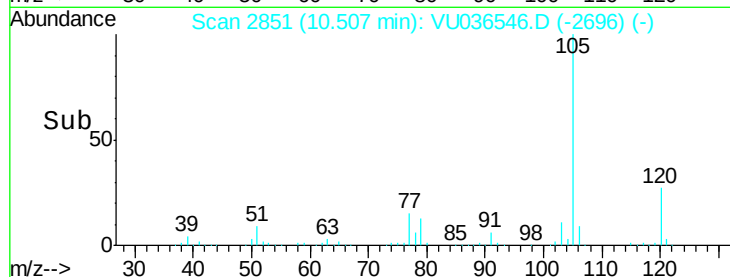
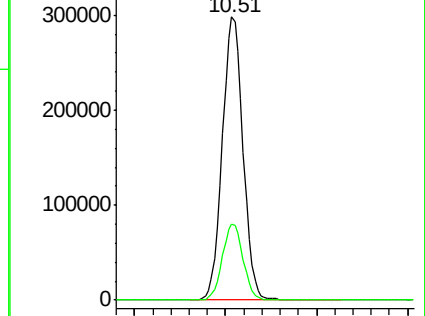
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#70

1,1,2,2-Tetrachloroethane

Concen: 10.017 ug/l

RT: 10.81 min Scan# 2945

Delta R.T. 0.00 min

Lab File: VU036546.D

Acq: 23 Jan 2020 18:23

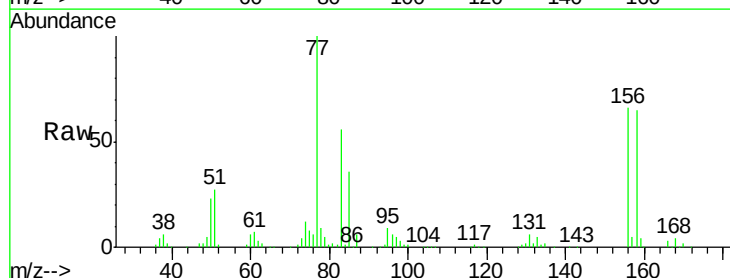
Tgt Ion: 83 Resp: 92911

Ion Ratio Lower Upper

83 100

131 10.3 7.8 11.8

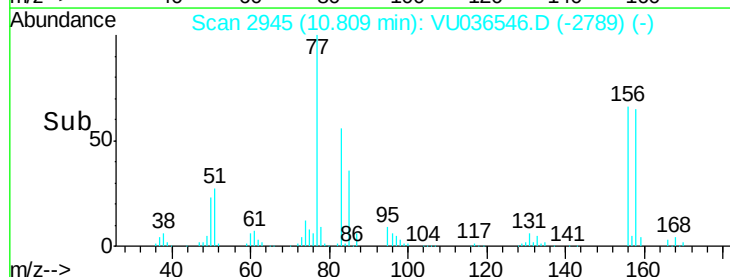
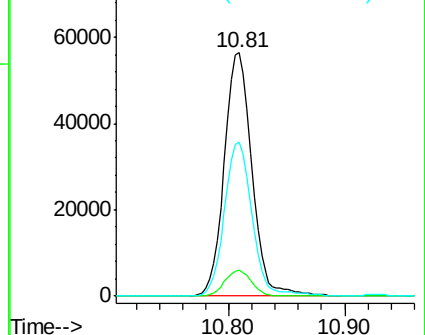
85 63.7 53.2 79.8

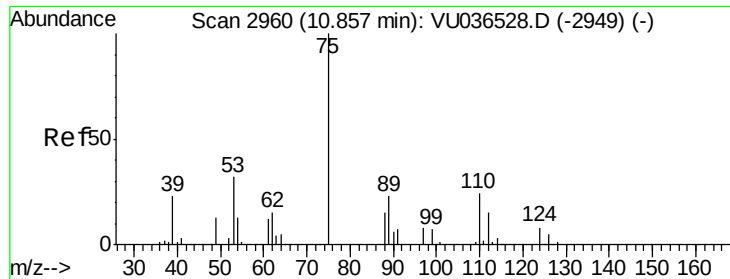


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0





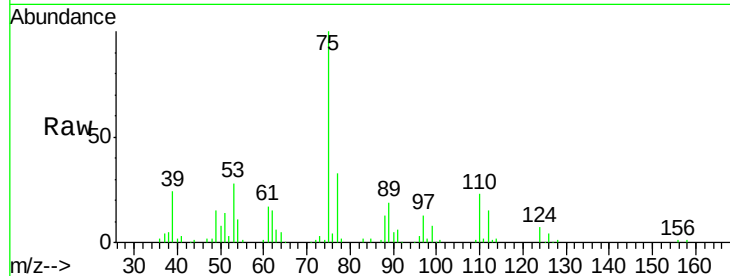
#71
1,2,3-Trichloropropane
Concen: 9.224 ug/l m
RT: 10.86 min Scan# 2960
Delta R.T. -0.00 min
Lab File: VU036546.D
Acq: 23 Jan 2020 18:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

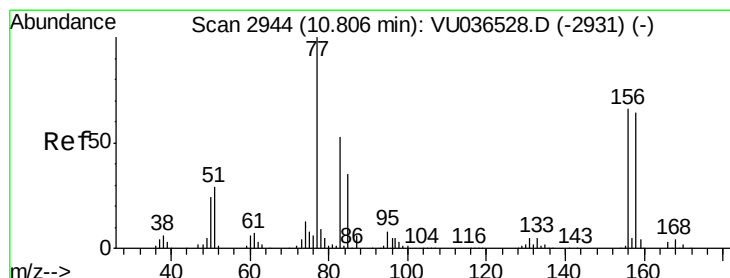
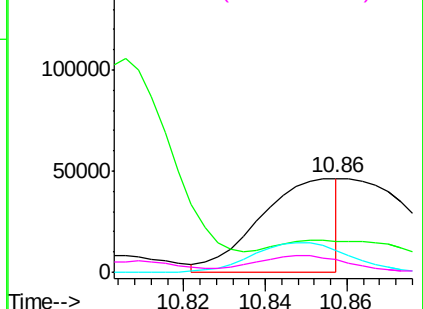
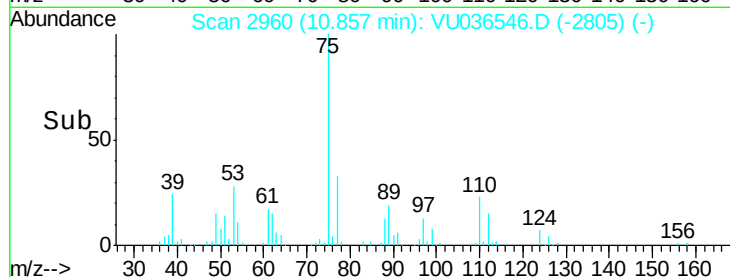
Tot Ion:	75	Resp:	61047
Ion	Ratio	Lower	Upper
75	100		
77	61.7	0.0	129.6
110	39.5	0.0	77.4
97	22.1	0.0	42.0

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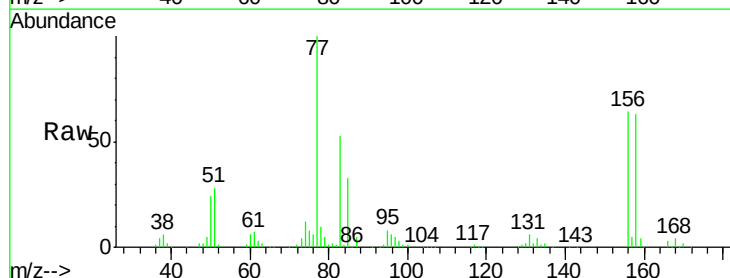


Abundance Ion 75.00 (74.70 to 75.70): VU036528.D (-2949) (-)
Ion 77.00 (76.70 to 77.70): VU036528.D (-2949) (-)
Ion 110.00 (109.70 to 110.70): VU036528.D (-2949) (-)
Ion 97.00 (96.70 to 97.70): VU036528.D (-2949) (-)

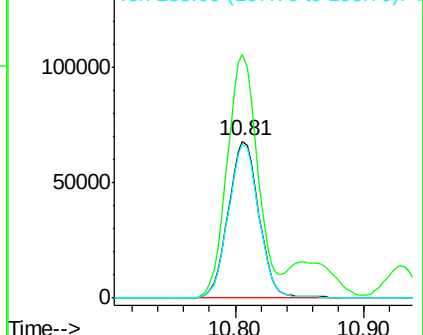
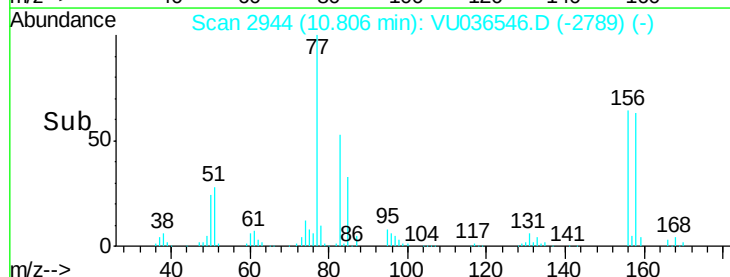


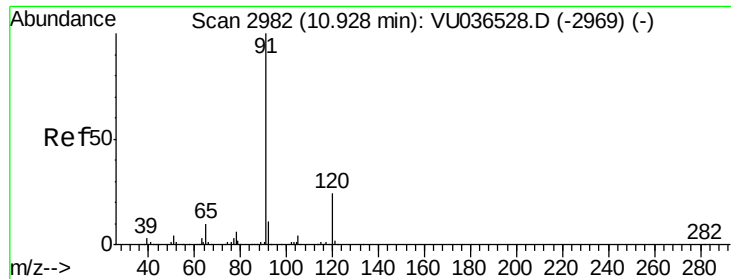
#72
Bromobenzene
Concen: 9.850 ug/l
RT: 10.81 min Scan# 2944
Delta R.T. -0.00 min
Lab File: VU036546.D
Acq: 23 Jan 2020 18:23

Tgt Ion:	156	Resp:	112431
Ion	Ratio	Lower	Upper
156	100		
77	154.4	0.0	306.6
158	98.1	0.0	192.0



Abundance Ion 156.00 (155.70 to 156.70): VU036528.D (-2931) (-)
Ion 77.00 (76.70 to 77.70): VU036528.D (-2931) (-)
Ion 158.00 (157.70 to 158.70): VU036528.D (-2931) (-)





#73

n-propylbenzene

Concen: 9.997 ug/l

RT: 10.93 min Scan# 2982

Delta R.T. -0.00 min

Lab File: VU036546.D

Acq: 23 Jan 2020 18:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion:120 Resp: 132893

Ion Ratio Lower Upper

120 100

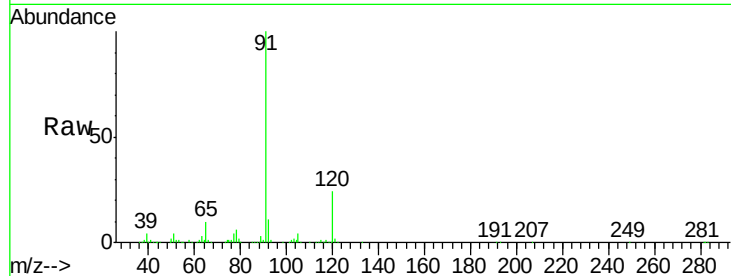
91 417.8 329.5 494.3

Manual Integrations

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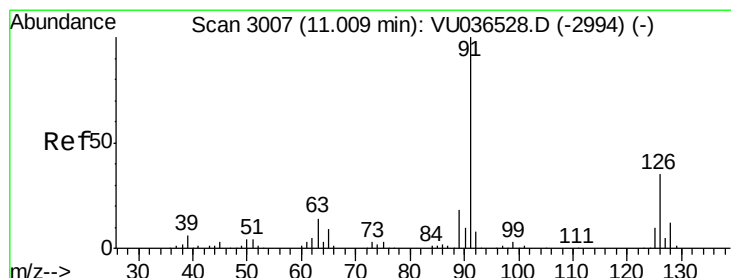
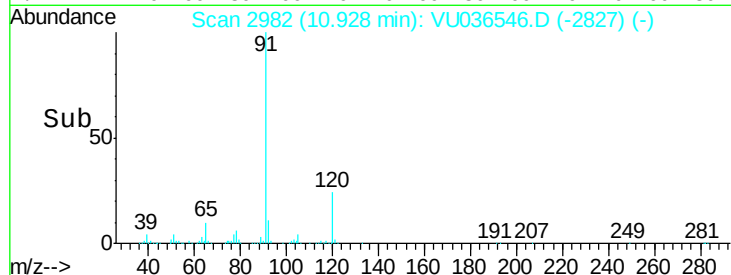
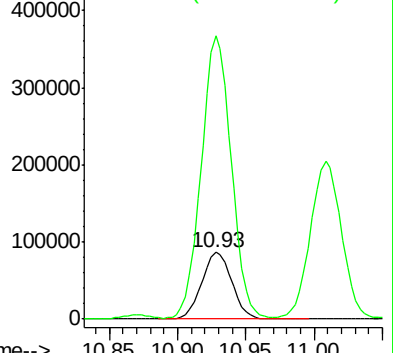
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Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 9.790 ug/l

RT: 11.01 min Scan# 3007

Delta R.T. -0.00 min

Lab File: VU036546.D

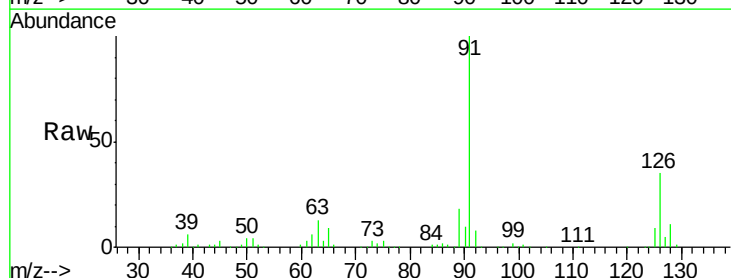
Acq: 23 Jan 2020 18:23

Tgt Ion:126 Resp: 111782

Ion Ratio Lower Upper

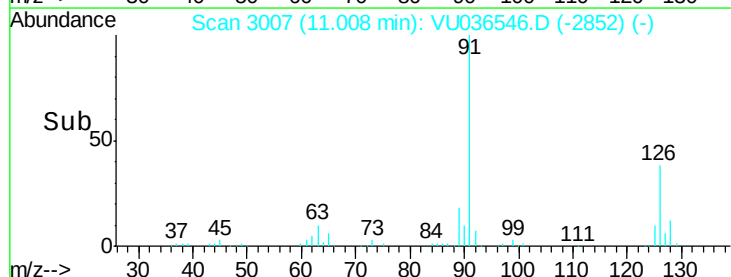
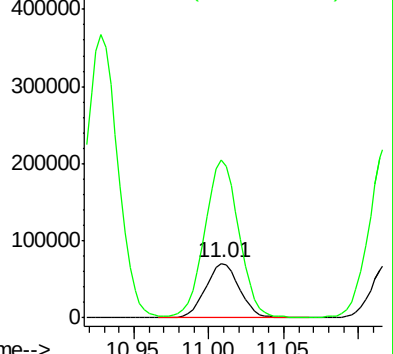
126 100

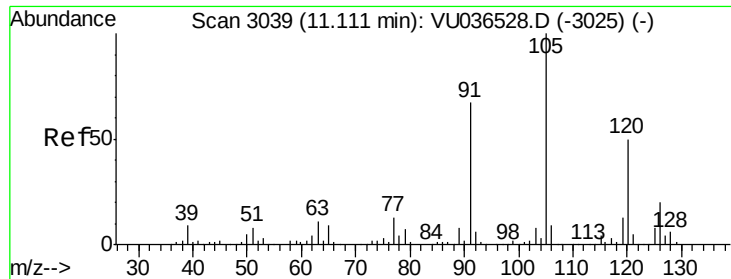
91 288.6 0.0 567.4



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: 9.877 ug/l

RT: 11.11 min Scan# 3039

Delta R.T. -0.00 min

Lab File: VU036546.D

Acq: 23 Jan 2020 18:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 401347

Ion Ratio Lower Upper

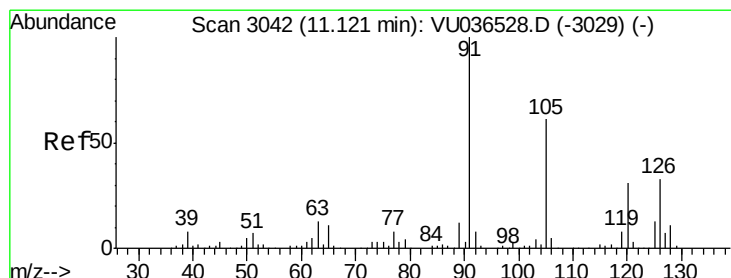
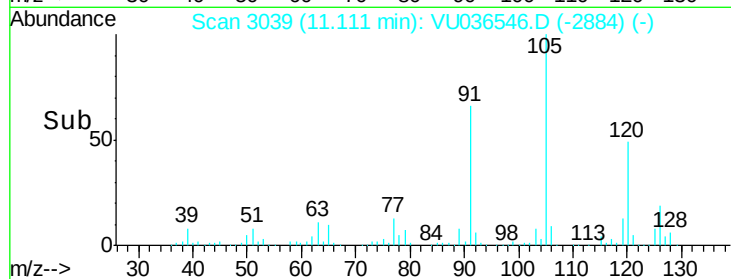
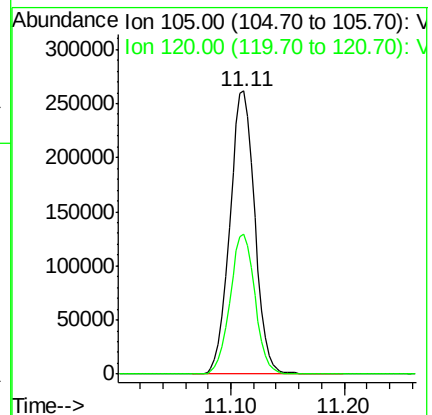
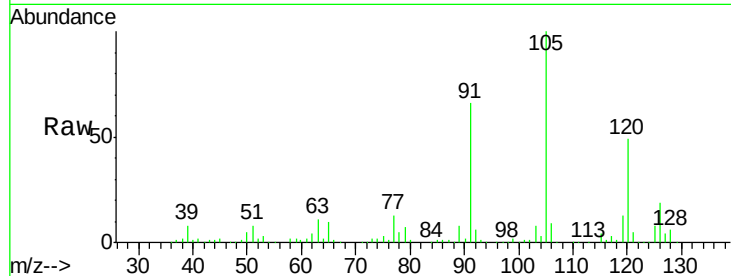
105 100

120 49.4 39.8 59.8

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#76

4-Chlorotoluene

Concen: 9.759 ug/l

RT: 11.12 min Scan# 3042

Delta R.T. -0.00 min

Lab File: VU036546.D

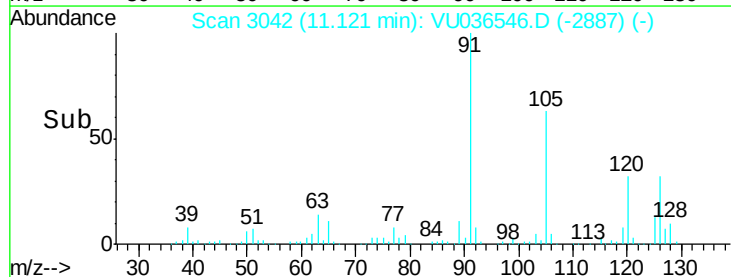
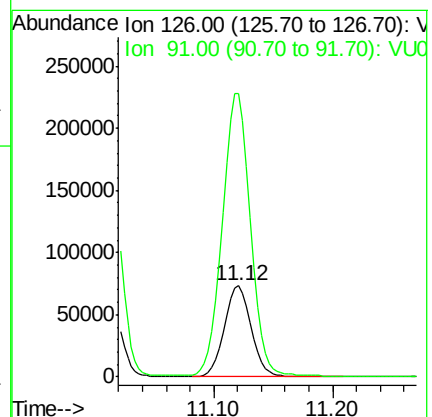
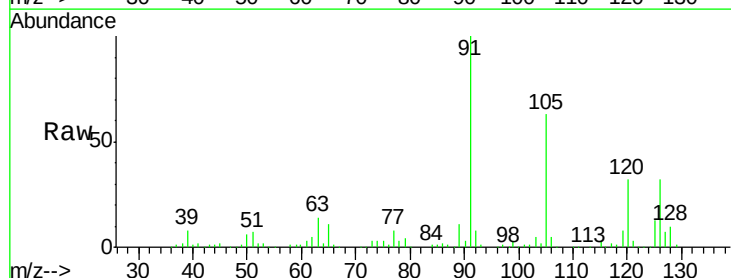
Acq: 23 Jan 2020 18:23

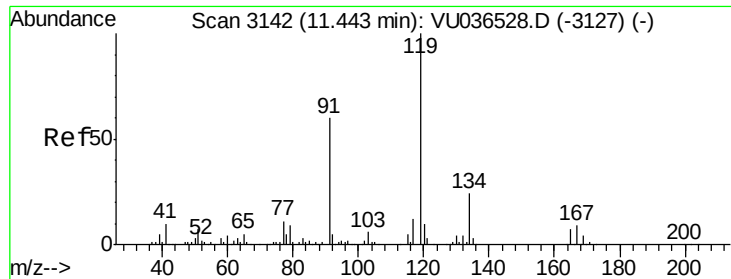
Tgt Ion:126 Resp: 115136

Ion Ratio Lower Upper

126 100

91 326.3 0.0 633.0





#77

tert-Butylbenzene

Concen: 10.197 ug/l

RT: 11.44 min Scan# 3142

Delta R.T. -0.00 min

Lab File: VU036546.D

Acq: 23 Jan 2020 18:23

Instrument :

MSVOA_U

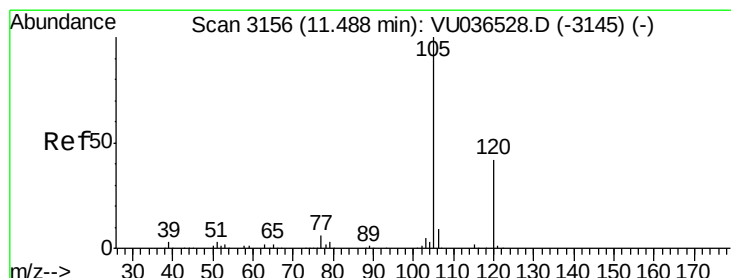
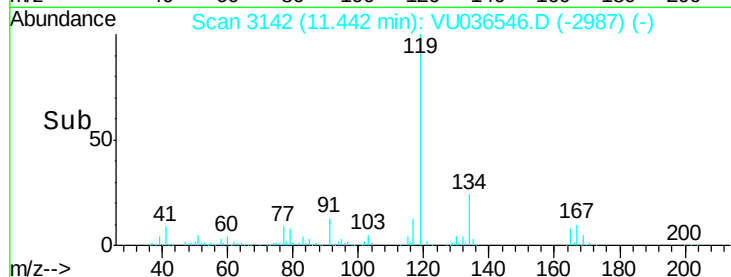
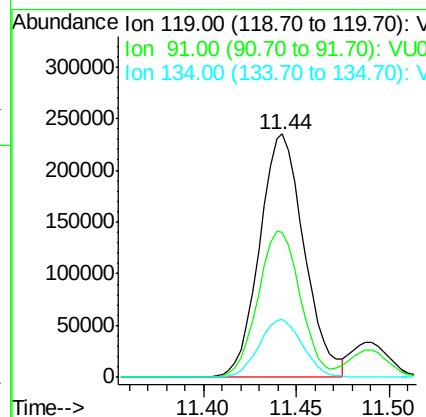
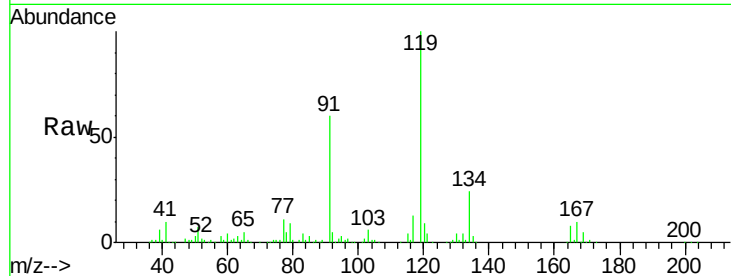
ClientSampleId :

VSTDCCC010EC

Tot Ion:	119	Resp:	392653
Ion Ratio	Lower	Upper	
119	100		
91	57.0	29.3	87.8
134	23.2	19.0	28.4

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#78

1,2,4-Trimethylbenzene

Concen: 9.888 ug/l

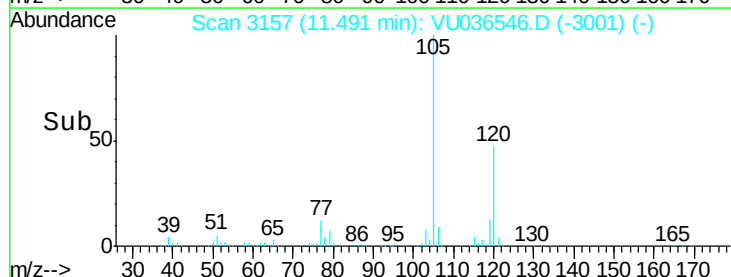
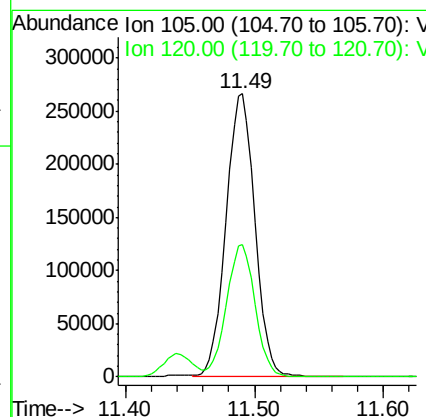
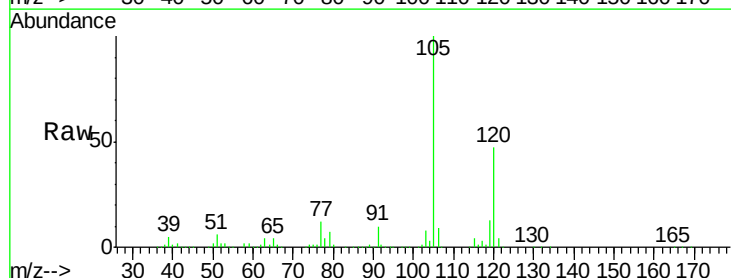
RT: 11.49 min Scan# 3157

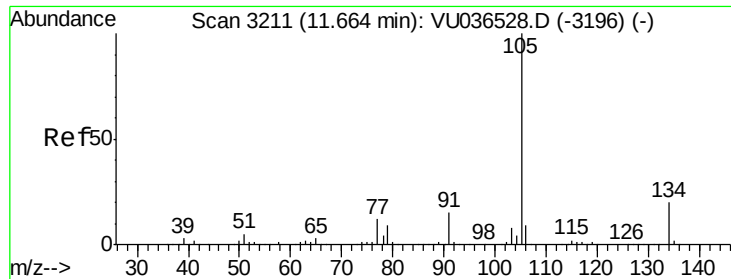
Delta R.T. 0.00 min

Lab File: VU036546.D

Acq: 23 Jan 2020 18:23

Tgt Ion:	105	Resp:	414296
Ion Ratio	Lower	Upper	
105	100		
120	46.1	23.3	69.8





#79

sec-Butylbenzene

Concen: 9.879 ug/l

RT: 11.66 min Scan# 3211

Delta R.T. -0.00 min

Lab File: VU036546.D

Acq: 23 Jan 2020 18:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 105 Resp: 527731

Ion Ratio Lower Upper

105 100

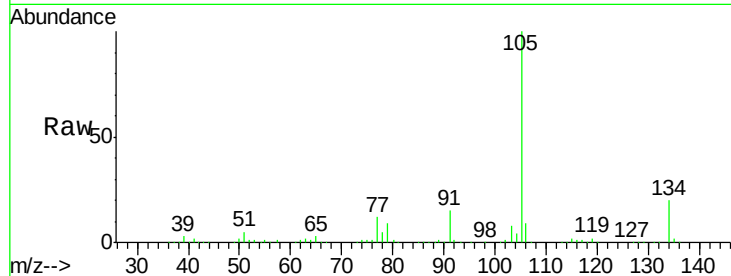
134 19.9 16.0 24.0

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

400000

300000

200000

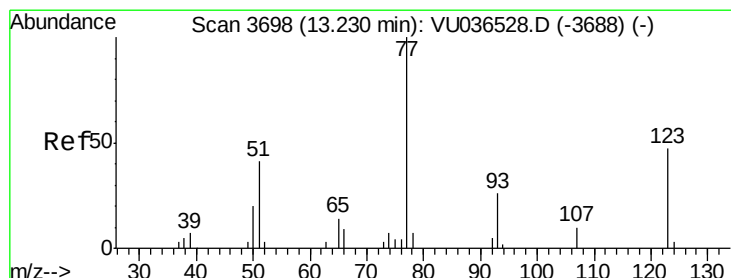
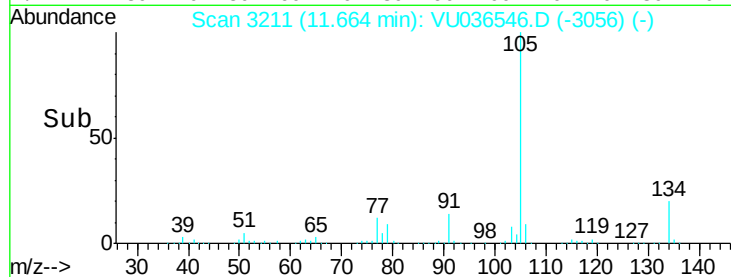
100000

0

11.60

11.70

Time-->



#80

Nitrobenzene

Concen: 49.338 ug/l

RT: 13.23 min Scan# 3699

Delta R.T. 0.00 min

Lab File: VU036546.D

Acq: 23 Jan 2020 18:23

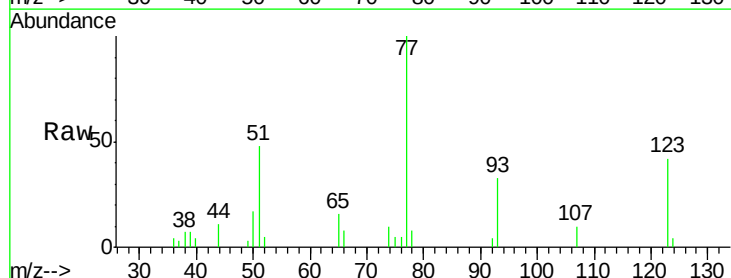
Tgt Ion: 77 Resp: 6567

Ion Ratio Lower Upper

77 100

123 39.3 19.6 69.6

65 15.7 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

4000

3000

2000

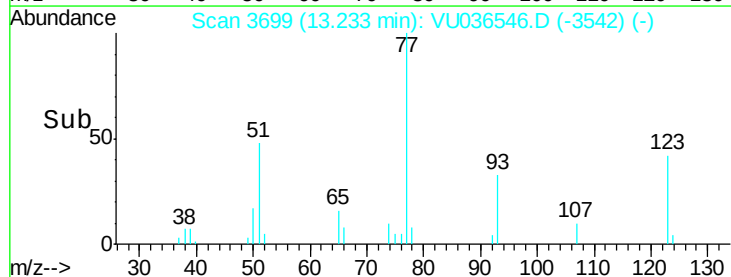
1000

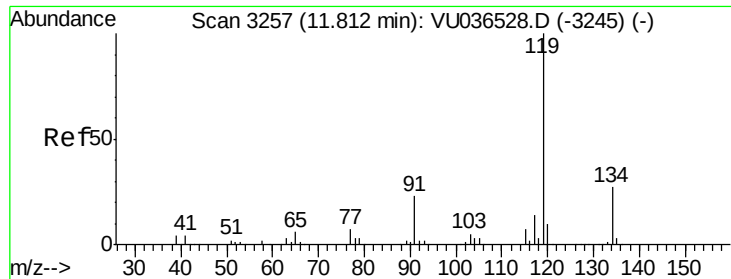
0

13.20

13.25

Time-->





#81

p-Isopropyltoluene

Concen: 9.960 ug/l

RT: 11.81 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VU036546.D

Acq: 23 Jan 2020 18:23

Instrument :

MSVOA_U

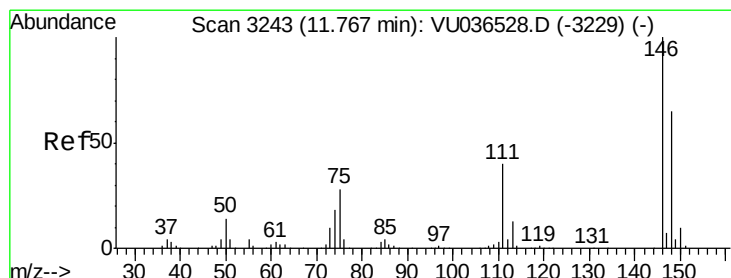
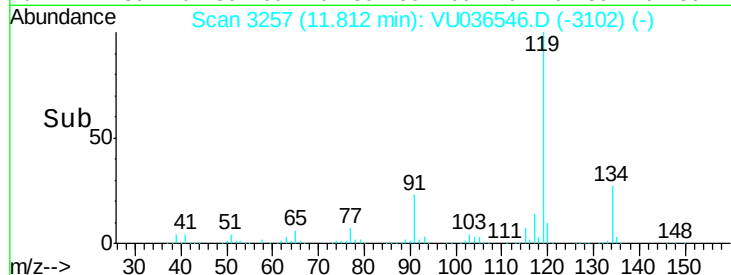
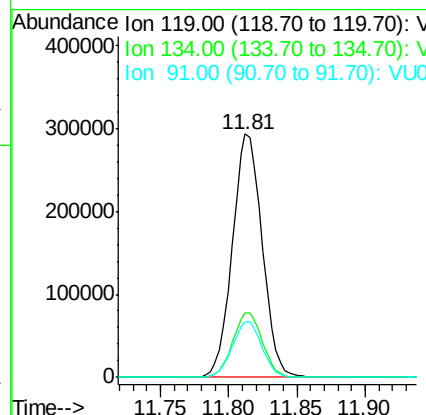
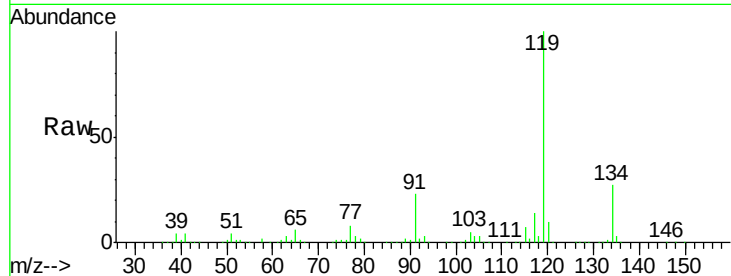
ClientSampleId :

VSTDCCC010EC

Tot Ion:	119	Resp:	444736
Ion Ratio	Lower	Upper	
119	100		
134	26.4	21.4	32.0
91	22.9	18.3	27.5

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#82

1,3-Dichlorobenzene

Concen: 9.718 ug/l

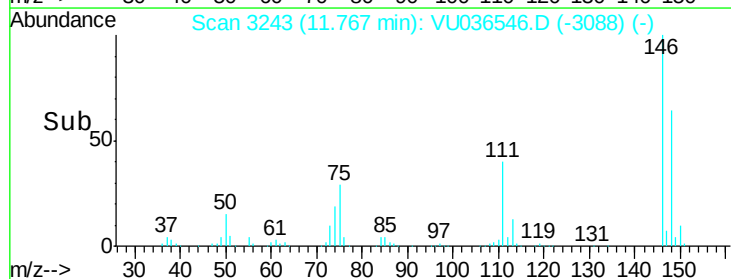
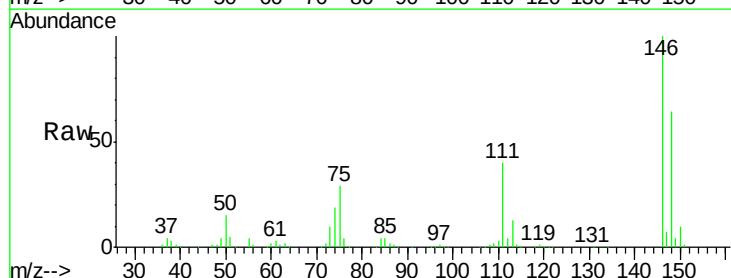
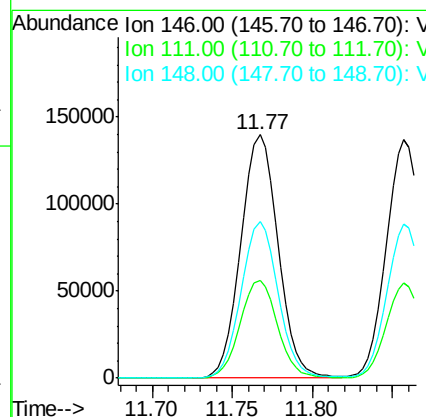
RT: 11.77 min Scan# 3243

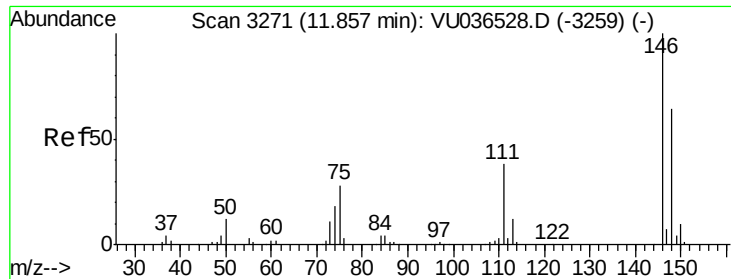
Delta R.T. -0.00 min

Lab File: VU036546.D

Acq: 23 Jan 2020 18:23

Tgt Ion:	146	Resp:	221934
Ion Ratio	Lower	Upper	
146	100		
111	40.3	32.2	48.2
148	64.0	51.4	77.2





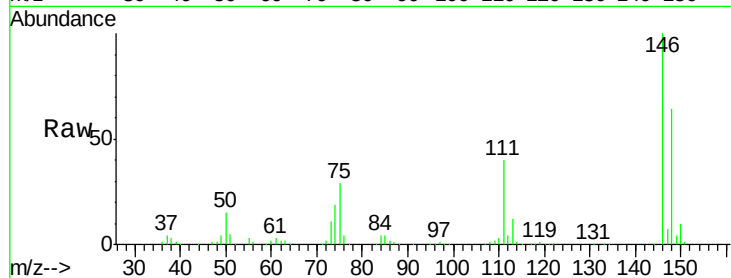
#83
 1,4-Dichlorobenzene
 Concen: 9.646 ug/l
 RT: 11.86 min Scan# 3271
 Delta R.T. -0.00 min
 Lab File: VU036546.D
 Acq: 23 Jan 2020 18:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

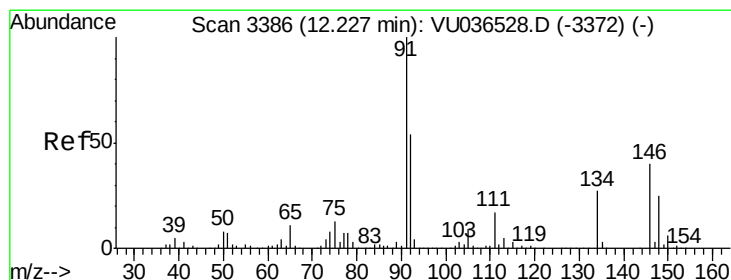
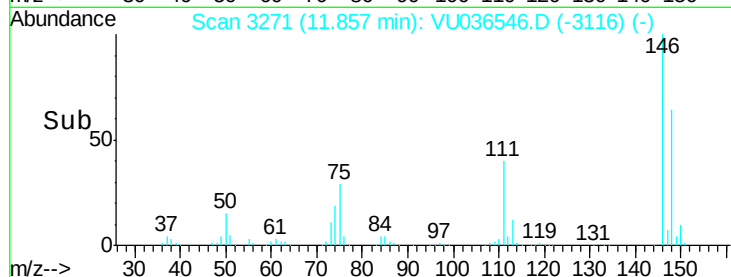
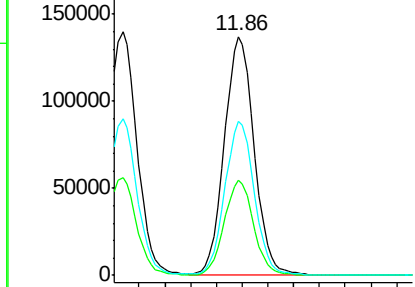
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	30.5	45.7
148	64.0	51.0	76.4

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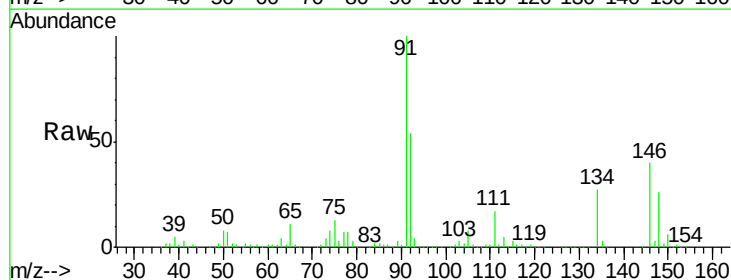


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

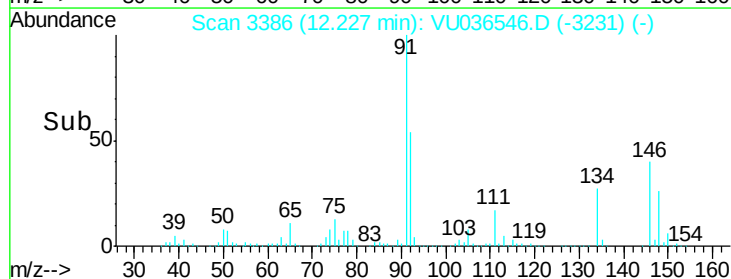
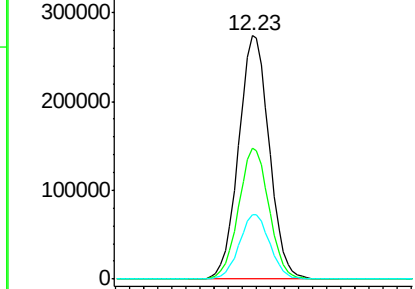


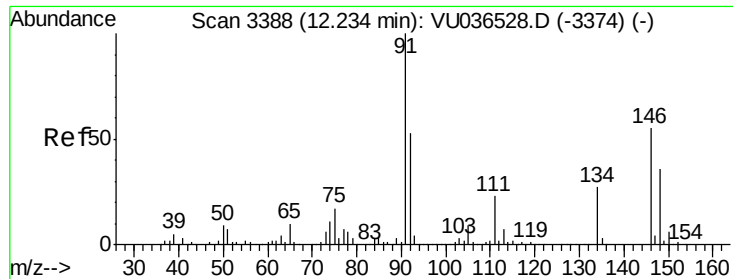
#84
 n-Butylbenzene
 Concen: 10.079 ug/l
 RT: 12.23 min Scan# 3386
 Delta R.T. -0.00 min
 Lab File: VU036546.D
 Acq: 23 Jan 2020 18:23

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.5	42.9	64.3
134	26.5	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





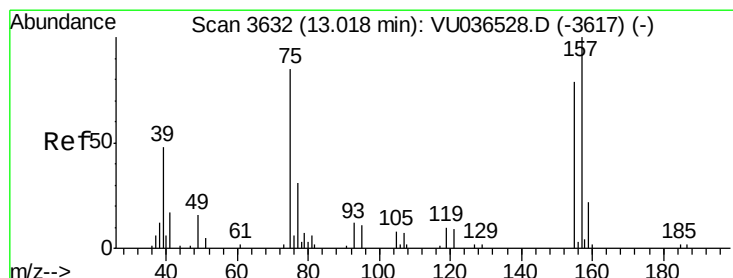
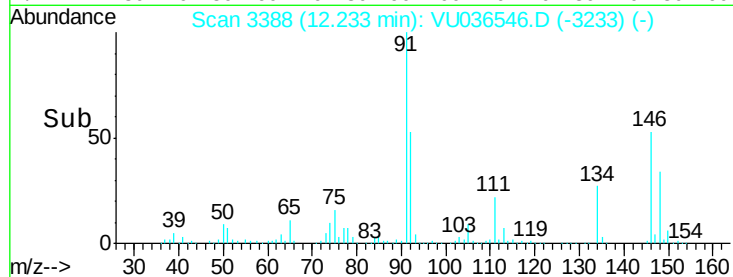
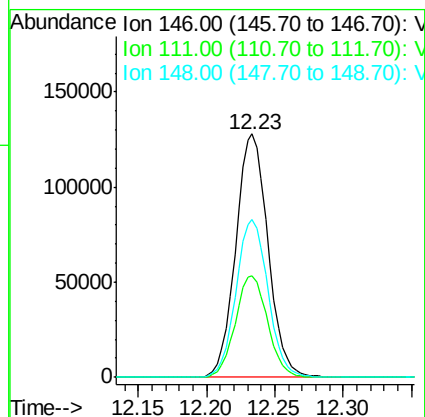
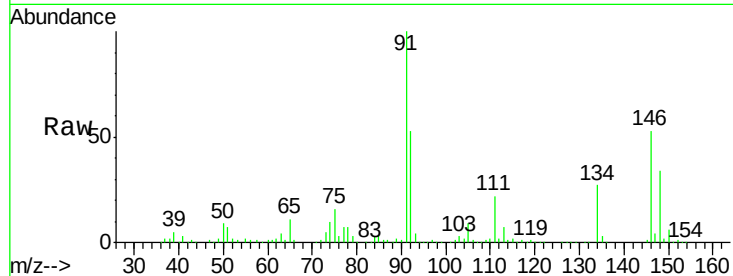
#85
 1,2-Dichlorobenzene
 Concen: 9.606 ug/l
 RT: 12.23 min Scan# 3388
 Delta R.T. -0.00 min
 Lab File: VU036546.D
 Acq: 23 Jan 2020 18:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.8	62.4
148	64.4	32.0	96.2

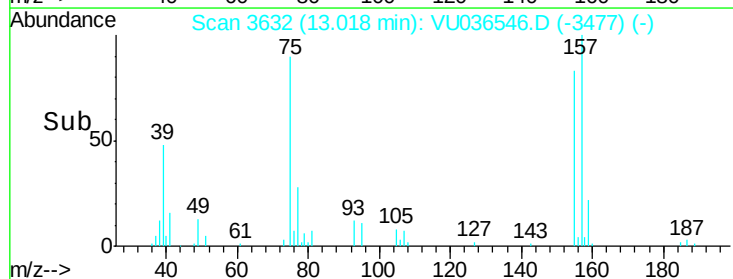
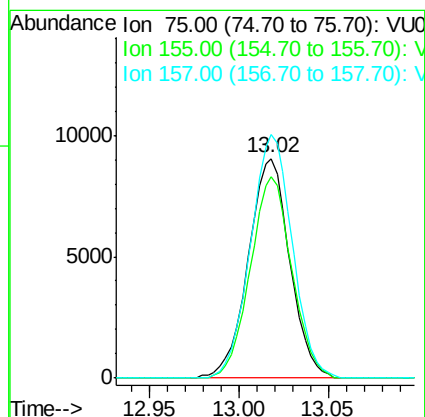
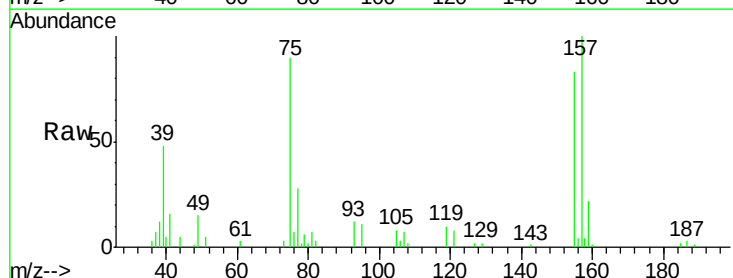
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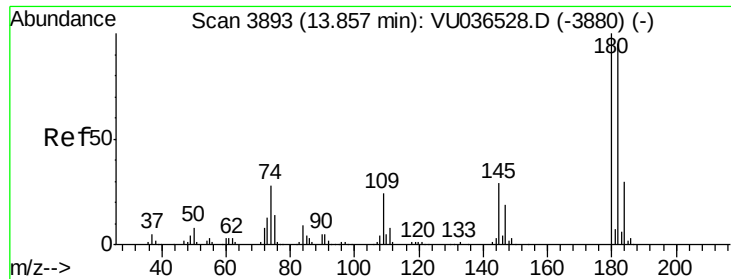
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#86
 1,2-Dibromo-3-Chloropropane
 Concen: 9.367 ug/l
 RT: 13.02 min Scan# 3632
 Delta R.T. -0.00 min
 Lab File: VU036546.D
 Acq: 23 Jan 2020 18:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.6	71.8	107.8
157	111.5	92.4	138.6





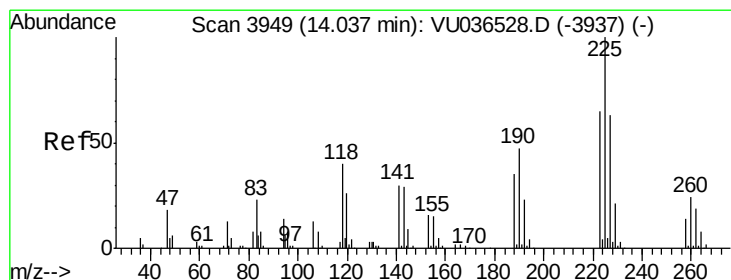
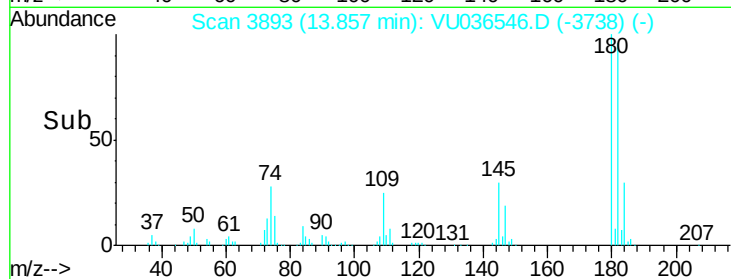
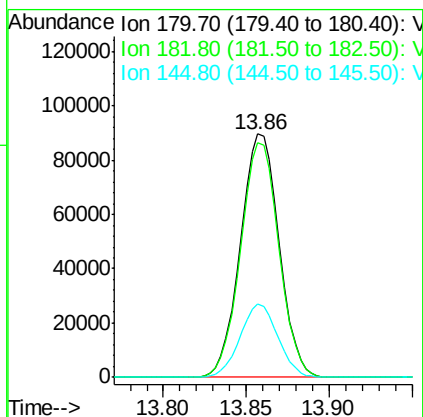
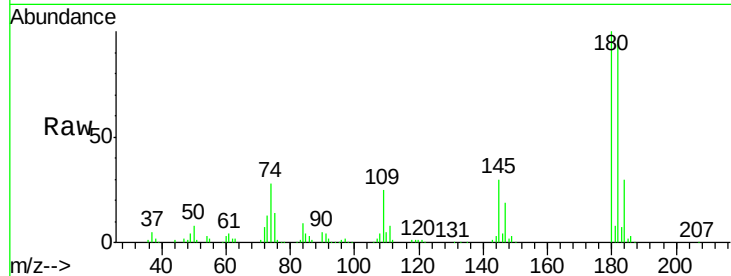
#87
 1,2,4-Trichlorobenzene
 Concen: 10.375 ug/l
 RT: 13.86 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU036546.D
 Acq: 23 Jan 2020 18:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	75.9	113.9
145	29.6	23.4	35.2

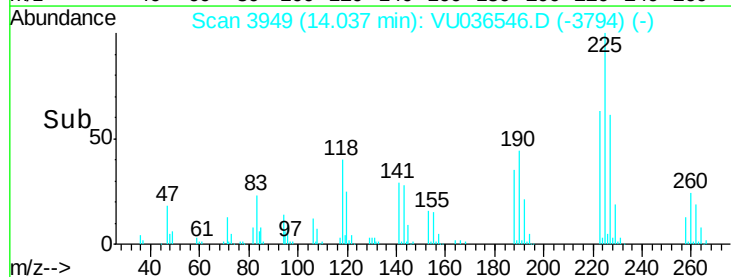
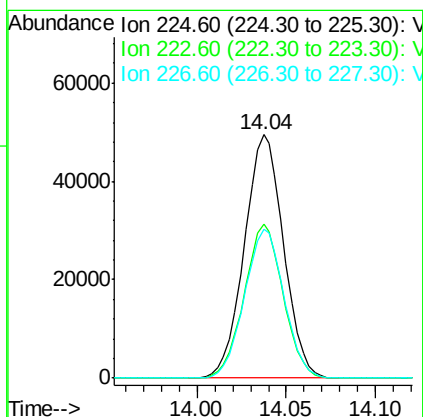
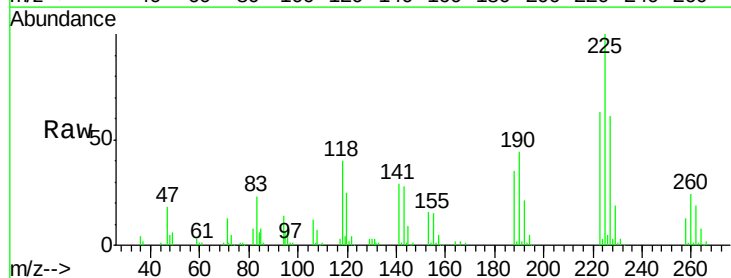
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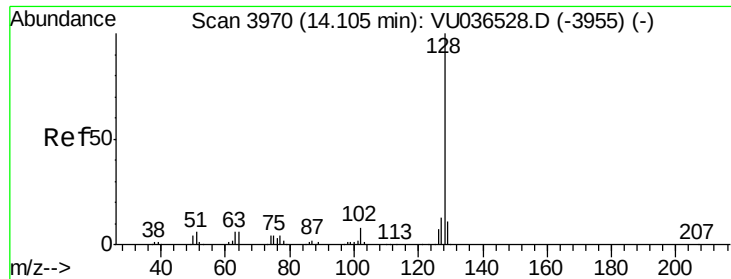
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#88
 Hexachlorobutadiene
 Concen: 9.926 ug/l
 RT: 14.04 min Scan# 3949
 Delta R.T. -0.00 min
 Lab File: VU036546.D
 Acq: 23 Jan 2020 18:23

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	51.7	77.5
227	61.6	50.6	75.8





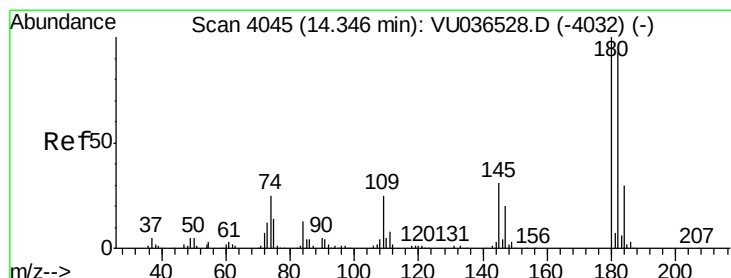
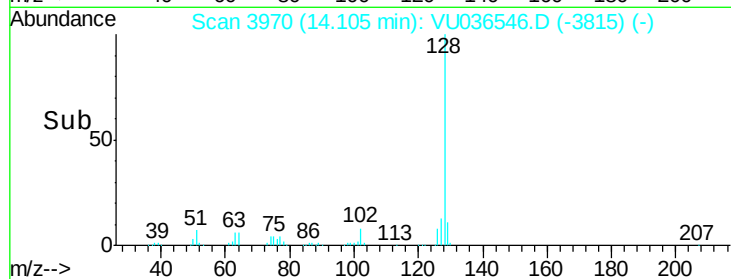
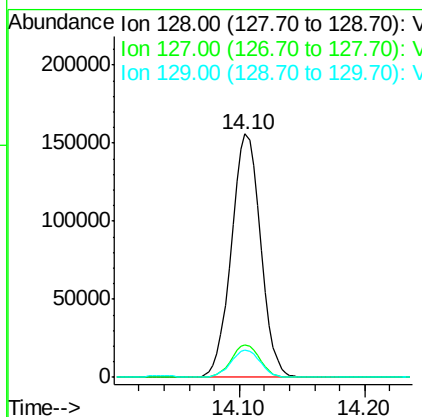
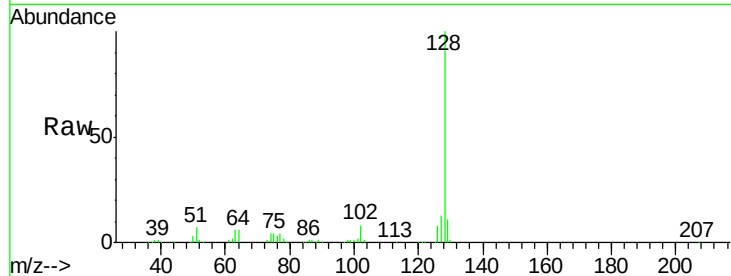
#89
Naphthalene
Concen: 10.472 ug/l
RT: 14.10 min Scan# 3970
Delta R.T. -0.00 min
Lab File: VU036546.D
Acq: 23 Jan 2020 18:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

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

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#90
1,2,3-Trichlorobenzene
Concen: 10.062 ug/l
RT: 14.35 min Scan# 4045
Delta R.T. -0.00 min
Lab File: VU036546.D
Acq: 23 Jan 2020 18:23

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.2	114.4
145	32.2	25.2	37.8

