

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU012220\
 Data File : VU036529.D
 Acq On : 22 Jan 2020 16:40
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

Quant Time: Jan 22 22:31:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U012220DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Jan 22 22:08:37 2020
 Response via : Initial Calibration

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	6.15	96	35452	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.65	95	13145	0.93	ug/l	0.00
Spiked Amount 1.000			Recovery	=	93.00%	
68) 1,2-Dichlorobenzene-d4	12.21	152	13973	1.13	ug/l	0.00
Spiked Amount 1.000			Recovery	=	113.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.39	85	242624	23.920	ug/l	98
3) Chloromethane	1.54	50	255677	19.480	ug/l	99
4) Vinyl Chloride	1.62	62	293368	19.466	ug/l	100
5) Bromomethane	1.87	94	163252	20.399	ug/l	99
6) Chloroethane	1.95	64	150114	17.066	ug/l	98
7) Trichlorofluoromethane	2.16	101	291091	16.632	ug/l	98
8) 1,1,2-Trichloro-1,2,2-trif	2.61	101	179977	19.646	ug/l	99
9) 1,1-Dichloroethene	2.61	96	194380	20.803	ug/l	97
10) Iodomethane	2.75	142	268909	24.033	ug/l	99
11) Allyl Chloride	2.95	41	256876	14.021	ug/l	100
12) Acrylonitrile	3.36	53	92945	35.455	ug/l	97
13) Acetone	2.66	43	154019	48.997	ug/l	99
14) Carbon Disulfide	2.82	76	665183	19.063	ug/l	100
15) Methylene Chloride	3.08	84	213022	17.305	ug/l	99
16) trans-1,2-Dichloroethene	3.39	96	211336	20.223	ug/l	99
17) 1,1-Dichloroethane	3.91	63	346303	18.540	ug/l	99
18) 2-Butanone	4.77	43	249112	73.584	ug/l	100
19) Cyclohexane	5.42	56	314072m	17.304	ug/l	
20) Methylcyclohexane	6.80	83	362627	20.144	ug/l	99
21) 2,2-Dichloropropane	4.71	77	294688	17.448	ug/l	100
22) cis-1,2-Dichloroethene	4.71	96	219533	20.732	ug/l	99
23) Diethyl Ether	2.40	59	147038	18.047	ug/l	99
24) tert-Butyl Alcohol	3.26	59	141785	168.199	ug/l	99
25) Methyl tert-Butyl Ether	3.41	73	503229	17.601	ug/l	99
26) Bromochloromethane	5.02	128	94963	22.379	ug/l	98
27) Chloroform	5.13	83	341295	18.353	ug/l	99
28) 1,1,1-Trichloroethane	5.36	97	289717	17.597	ug/l	99
29) 1,1-Dichloropropene	5.57	75	280194	18.626	ug/l	99
30) Carbon Tetrachloride	5.56	117	251621	18.173	ug/l	99
31) Isopropyl Ether	4.05	45	533645	16.980	ug/l	100
32) Ethyl-t-butyl ether	4.56	59	552708	17.977	ug/l	99
33) Tert-Amyl methyl ether	5.99	73	503382	18.016	ug/l	100
34) Propionitrile	4.84	54	76361	90.419	ug/l #	96
35) Benzene	5.81	78	804735	19.131	ug/l	100
36) 1,2-Dichloroethane	5.84	62	216654	16.081	ug/l	100
37) Trichloroethene	6.58	130	223127	21.846	ug/l	100
38) 1,2-Dichloropropane	6.83	63	204025	18.472	ug/l	98
39) Methacrylonitrile	5.03	41	62857	15.708	ug/l	99
40) Methyl acrylate	4.90	55	110110	18.545	ug/l	100
41) Tetrahydrofuran	5.12	42	63043	30.382	ug/l	96
42) 1-Chlorobutane	5.50	56	362768	16.648	ug/l	99

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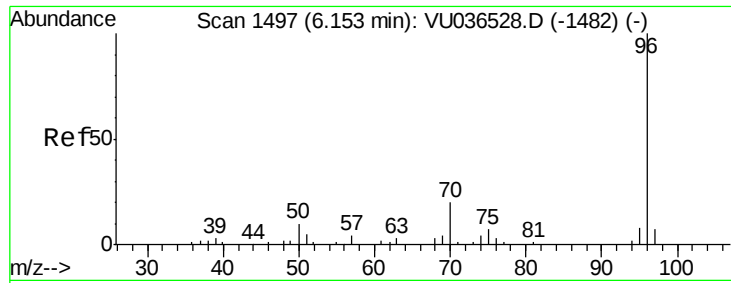
Manual Integrations
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Quant Time: Jan 22 22:31:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U012220DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.96	93	105916	18.670	ug/l	99
44) Bromodichloromethane	7.14	83	255525	17.497	ug/l	100
45) 4-Methyl-2-Pentanone	7.84	43	596305	76.002	ug/l	100
46) t-1,4-Dichloro-2-butene	10.86	75	131152m	41.184	ug/l	
47) Methyl methacrylate	7.00	69	211509	39.093	ug/l	98
48) Ethyl methacrylate	8.37	69	209675	19.607	ug/l	99
49) Toluene	8.00	92	516497	19.797	ug/l	99
50) t-1,3-Dichloropropene	8.24	75	264441	18.453	ug/l	100
51) cis-1,3-Dichloropropene	7.64	75	315589	19.054	ug/l	99
52) 1,1,2-Trichloroethane	8.43	97	149187	19.831	ug/l	99
53) 1,3-Dichloropropane	8.61	76	260142	18.530	ug/l	99
54) 2-Hexanone	8.72	43	420143	77.780	ug/l	98
55) Dibromochloromethane	8.84	129	181754	20.630	ug/l	99
56) 1,2-Dibromoethane	8.95	107	147200	19.908	ug/l	99
58) Tetrachloroethene	8.58	164	226779	26.878	ug/l	100
59) Chlorobenzene	9.47	112	579759	21.052	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.56	131	188843	20.250	ug/l	99
61) Pentachloroethane	11.45	117	116376	15.169	ug/l	100
62) Hexachloroethane	12.49	117	163602	20.309	ug/l	99
63) Ethyl Benzene	9.60	91	975135	19.472	ug/l	99
64) m/p-Xylenes	9.72	106	762917	41.199	ug/l	98
65) o-Xylene	10.12	106	370565	20.501	ug/l	100
66) Styrene	10.14	104	625659	20.975	ug/l	100
67) Bromoform	10.32	173	106565	24.431	ug/l	99
69) Isopropylbenzene	10.51	105	979956	20.169	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.81	83	192972	19.041	ug/l	98
71) 1,2,3-Trichloropropane	10.86	75	132218m	17.103	ug/l	
72) Bromobenzene	10.81	156	236872	23.032	ug/l	99
73) n-propylbenzene	10.93	120	279774	21.473	ug/l	99
74) 2-Chlorotoluene	11.01	126	230433	20.624	ug/l	99
75) 1,3,5-Trimethylbenzene	11.11	105	832859	20.198	ug/l	100
76) 4-Chlorotoluene	11.12	126	242454	21.071	ug/l	97
77) tert-Butylbenzene	11.44	119	786777	19.917	ug/l	100
78) 1,2,4-Trimethylbenzene	11.49	105	855580	20.032	ug/l	100
79) sec-Butylbenzene	11.66	105	1096883	20.008	ug/l	100
80) Nitrobenzene	13.23	77	24590	138.355	ug/l	99
81) p-Isopropyltoluene	11.81	119	928237	21.229	ug/l	99
82) 1,3-Dichlorobenzene	11.77	146	470973	21.855	ug/l	100
83) 1,4-Dichlorobenzene	11.86	146	468121	21.937	ug/l	100
84) n-Butylbenzene	12.23	91	883741	19.205	ug/l	100
85) 1,2-Dichlorobenzene	12.23	146	444148	21.783	ug/l	100
86) 1,2-Dibromo-3-Chloropropan	13.02	75	32823	17.822	ug/l	99
87) 1,2,4-Trichlorobenzene	13.86	180	330901	25.558	ug/l	100
88) Hexachlorobutadiene	14.04	225	159075	26.170	ug/l	99
89) Naphthalene	14.10	128	610549	23.771	ug/l	100
90) 1,2,3-Trichlorobenzene	14.35	180	298218	25.079	ug/l	100

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.15 min Scan# 1496

Delta R.T. -0.00 min

Lab File: VU036529.D

Acq: 22 Jan 2020 16:40

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 96 Resp: 35452

Ion Ratio Lower Upper

96 100

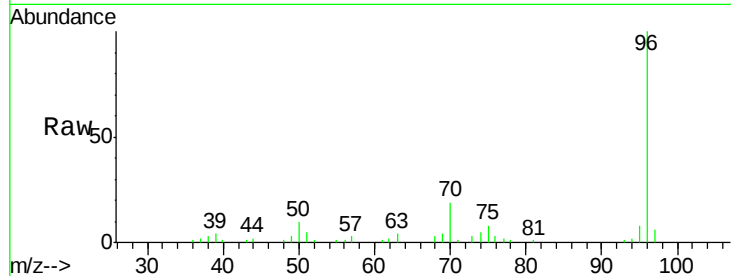
70 19.7 15.6 23.4

95 0.0 7.0 10.6#

97 0.0 0.0 0.0

Manual Integrations

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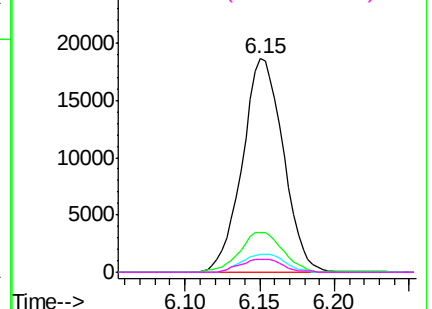
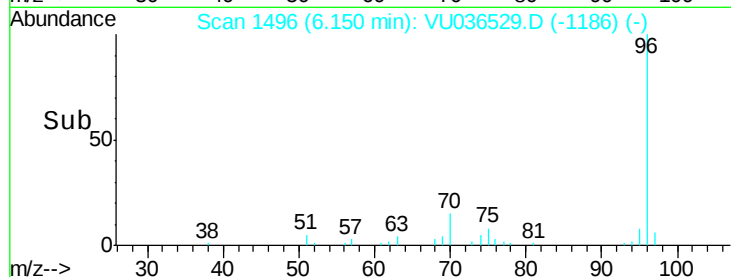


Abundance Ion 96.00 (95.70 to 96.70): VU036528.D (-1482) (-)

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

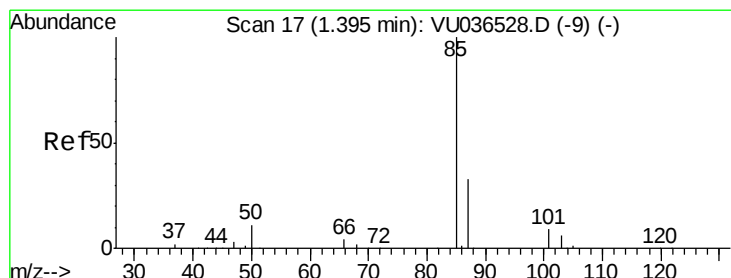
Ion 95.00 (94.70 to 95.70): VU036528.D (-1482) (-)

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



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#2

Dichlorodifluoromethane

Concen: 23.920 ug/l

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU036529.D

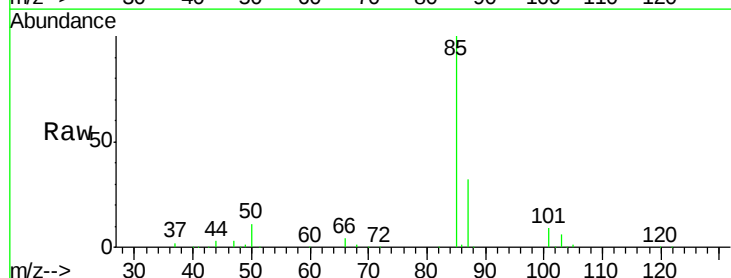
Acq: 22 Jan 2020 16:40

Tgt Ion: 85 Resp: 242624

Ion Ratio Lower Upper

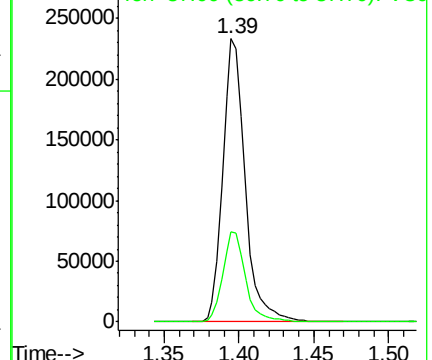
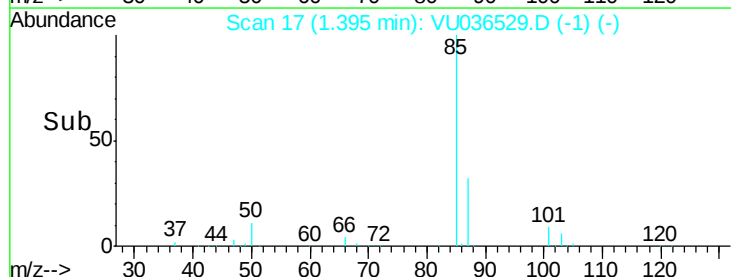
85 100

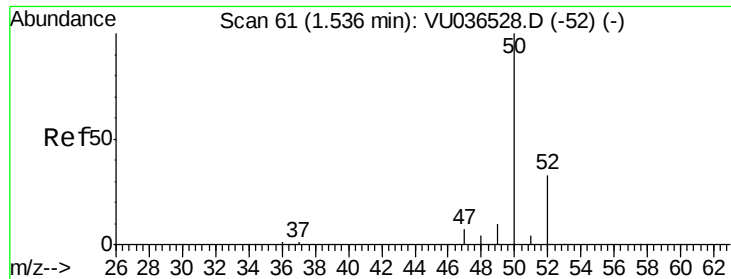
87 31.9 16.4 49.2



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

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



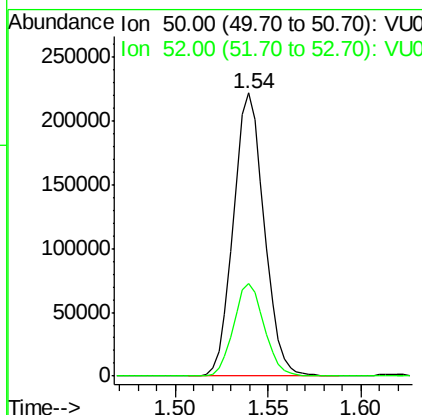
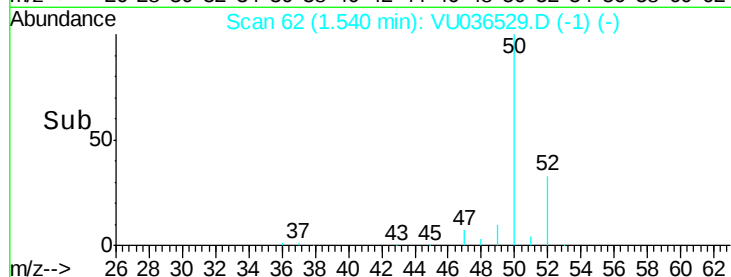
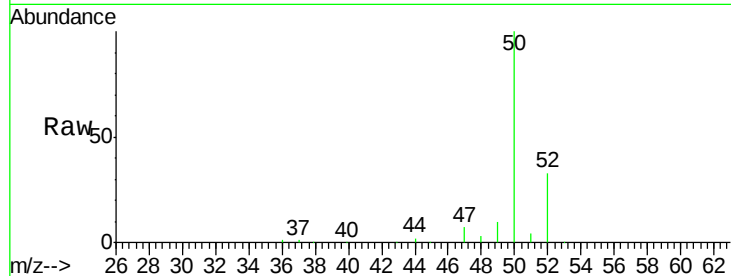


#3
Chloromethane
Concen: 19.480 ug/l
RT: 1.54 min Scan# 62
Delta R.T. 0.00 min
Lab File: VU036529.D
Acq: 22 Jan 2020 16:40

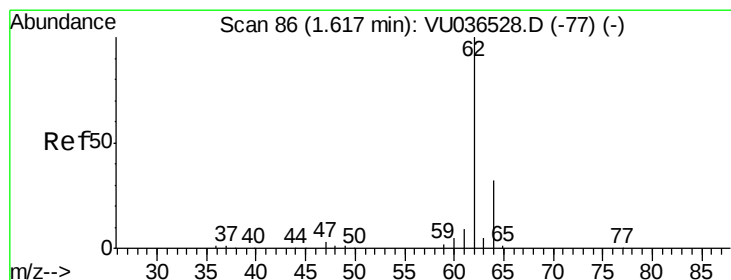
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
50	100		
52	32.9	26.0	39.0

Manual Integrations
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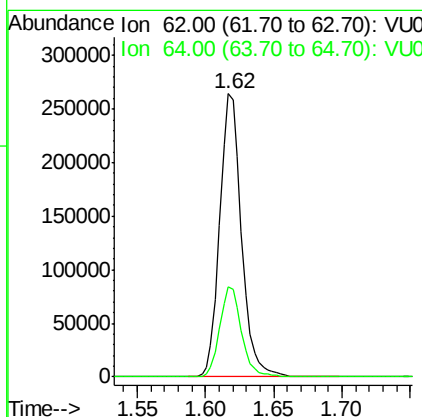
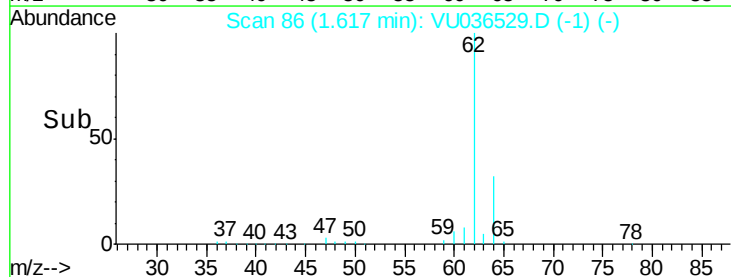
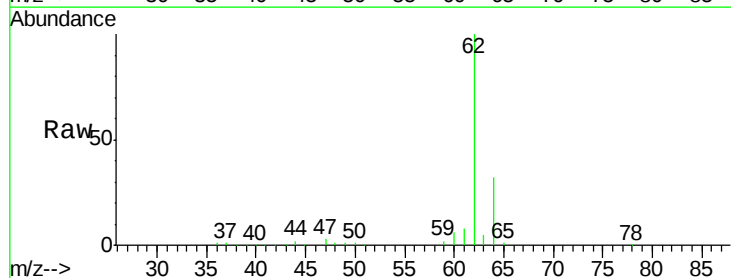


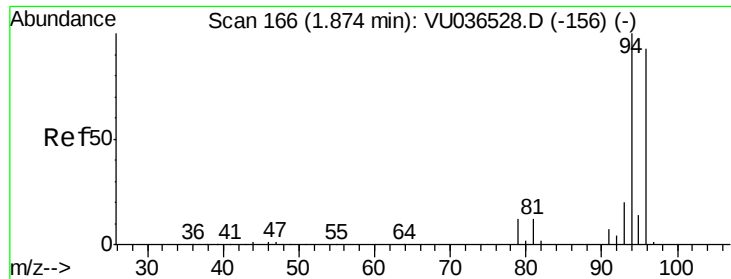
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#4
Vinyl Chloride
Concen: 19.466 ug/l
RT: 1.62 min Scan# 86
Delta R.T. 0.00 min
Lab File: VU036529.D
Acq: 22 Jan 2020 16:40

Tgt Ion	Ratio	Lower	Upper
62	100		
64	31.8	25.4	38.2





#5

Bromomethane

Concen: 20.399 ug/l

RT: 1.87 min Scan# 164

Delta R.T. -0.01 min

Lab File: VU036529.D

Acq: 22 Jan 2020 16:40

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 163252

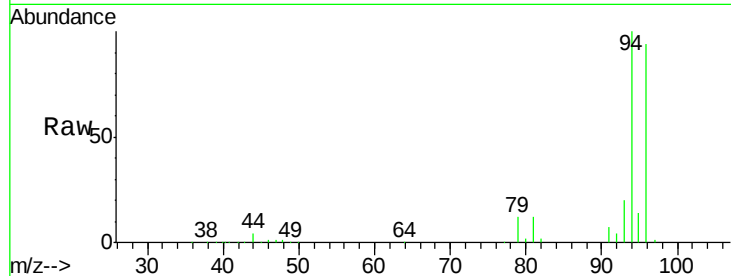
Ion Ratio Lower Upper

94 100

96 93.9 74.6 112.0

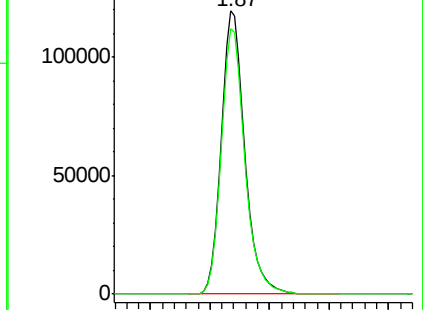
Manual Integrations

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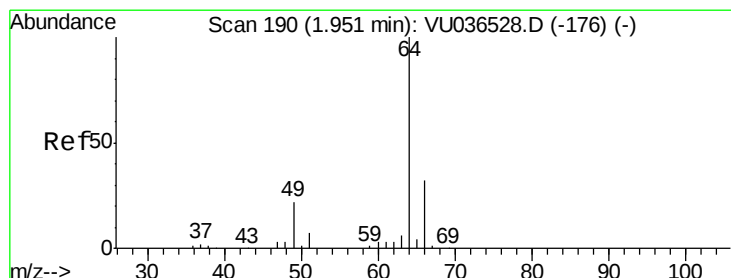
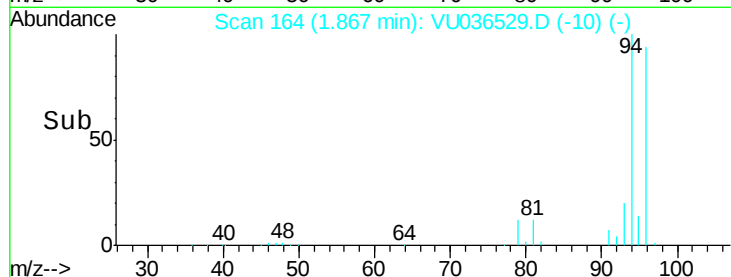
Abundance Ion 94.00 (93.70 to 94.70): VU036528.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU036529.D (-10) (-)



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#6

Chloroethane

Concen: 17.066 ug/l

RT: 1.95 min Scan# 189

Delta R.T. -0.00 min

Lab File: VU036529.D

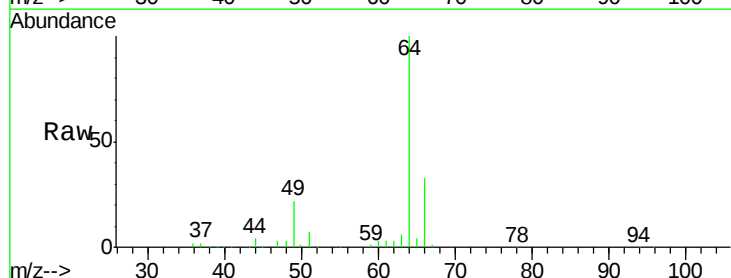
Acq: 22 Jan 2020 16:40

Tgt Ion: 64 Resp: 150114

Ion Ratio Lower Upper

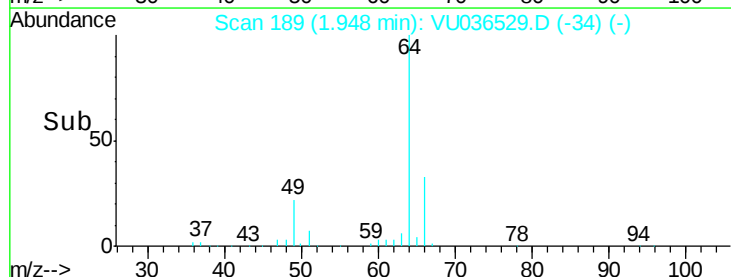
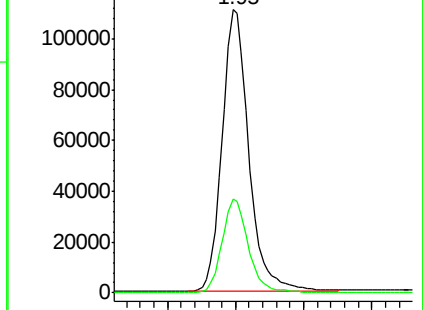
64 100

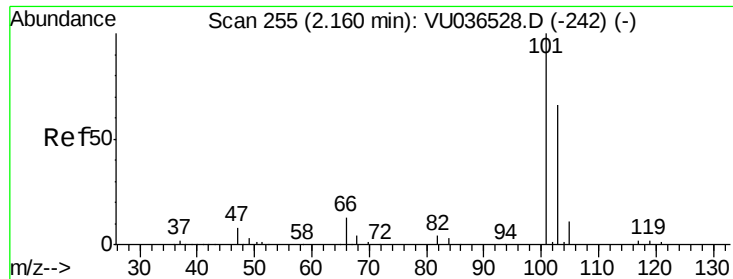
66 33.3 25.5 38.3



Abundance Ion 64.00 (63.70 to 64.70): VU036528.D (-176) (-)

Ion 66.00 (65.70 to 66.70): VU036529.D (-34) (-)





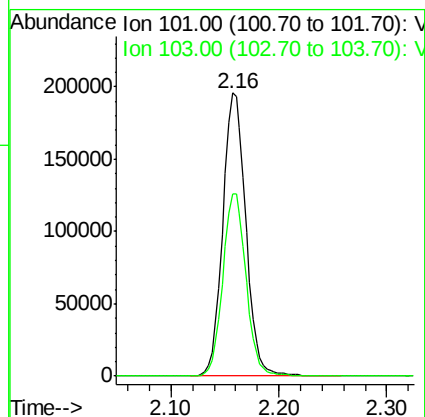
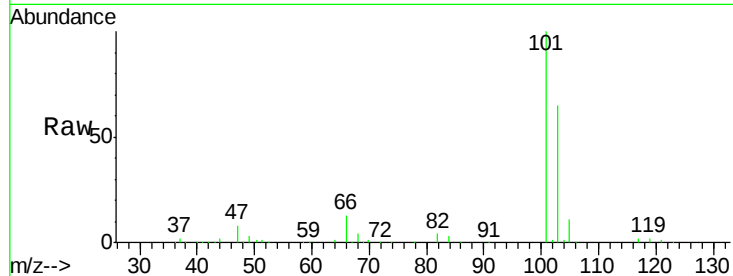
#7

Trichlorofluoromethane
 Concen: 16.632 ug/l
 RT: 2.16 min Scan# 254
 Delta R.T. -0.00 min
 Lab File: VU036529.D
 Acq: 22 Jan 2020 16:40

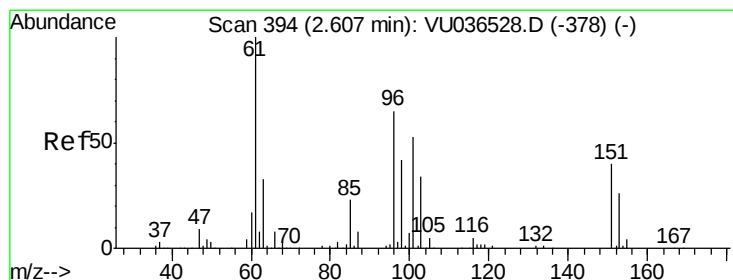
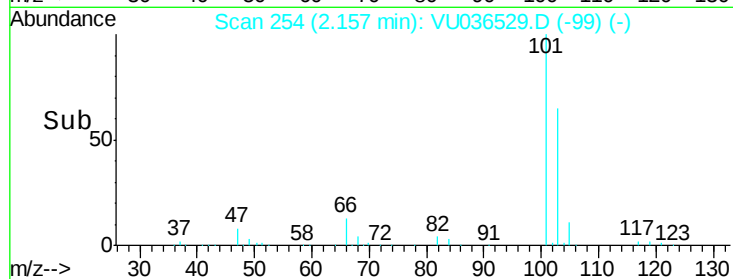
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	53.0	79.6

Manual Integrations
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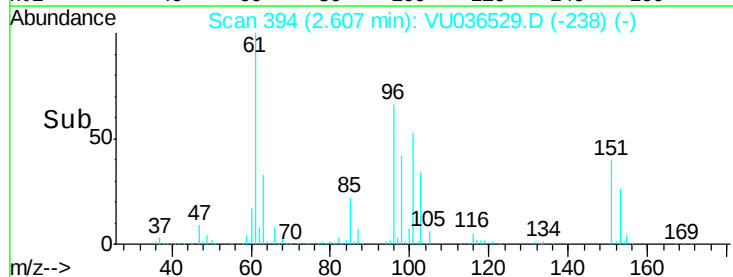
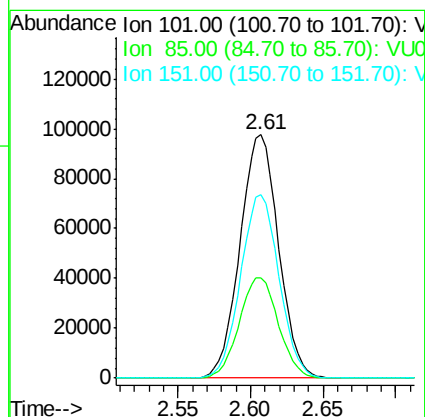
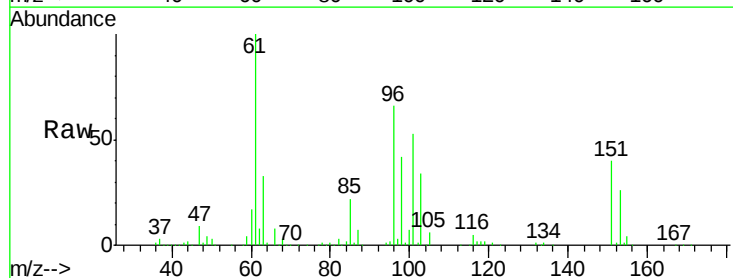
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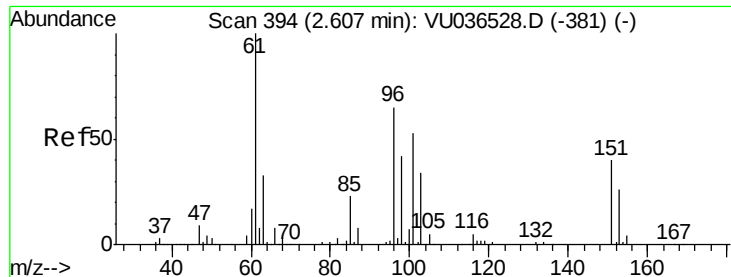


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 19.646 ug/l
 RT: 2.61 min Scan# 394
 Delta R.T. 0.00 min
 Lab File: VU036529.D
 Acq: 22 Jan 2020 16:40

Tgt Ion	Ratio	Lower	Upper
101	100		
85	42.1	33.9	50.9
151	75.5	59.8	89.8





#9

1,1-Dichloroethene

Concen: 20.803 ug/l

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU036529.D

Acq: 22 Jan 2020 16:40

Instrument :

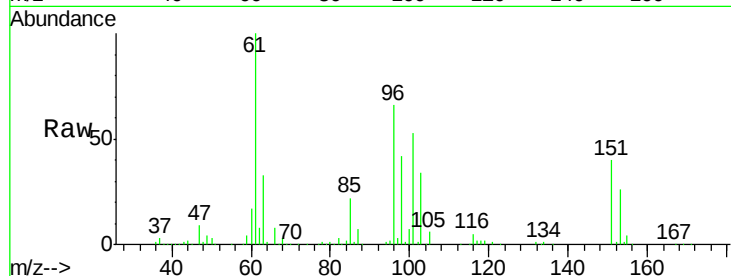
MSVOA_U

ClientSampleId :

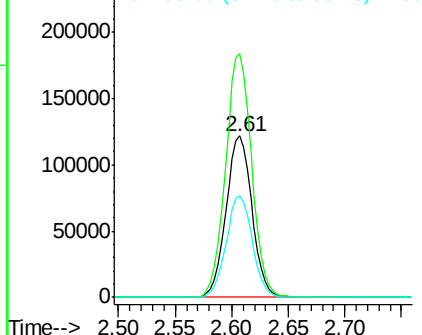
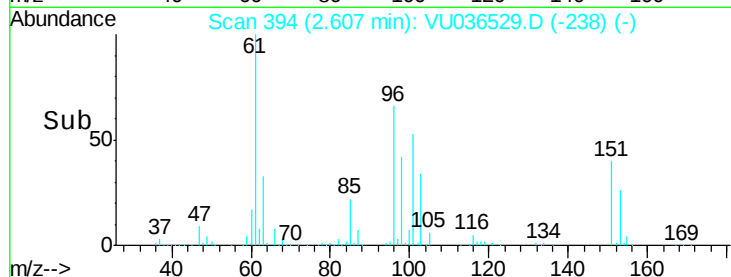
VSTDIC020

Tot Ion:	96	Resp:	194380
Ion	Ratio	Lower	Upper
96	100		
61	151.1	0.0	463.2
98	63.0	0.0	130.0

Manual Integrations
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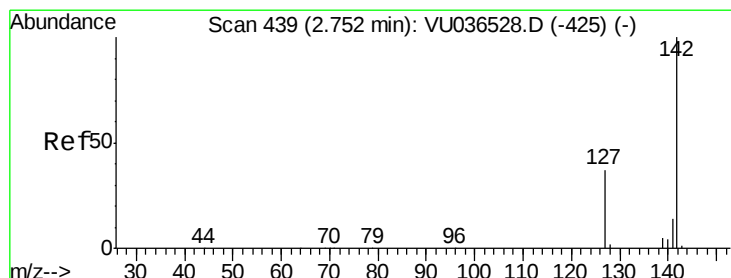


Abundance Ion 96.00 (95.70 to 96.70): VU036529.D (-238) (-)



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#10

Iodomethane

Concen: 24.033 ug/l

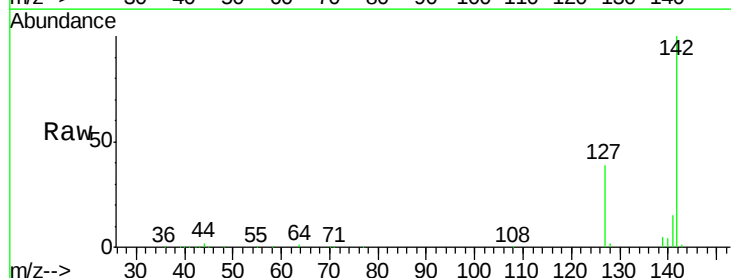
RT: 2.75 min Scan# 439

Delta R.T. 0.00 min

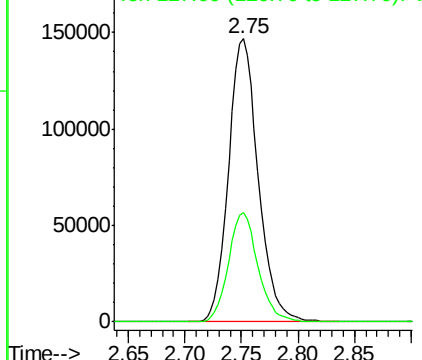
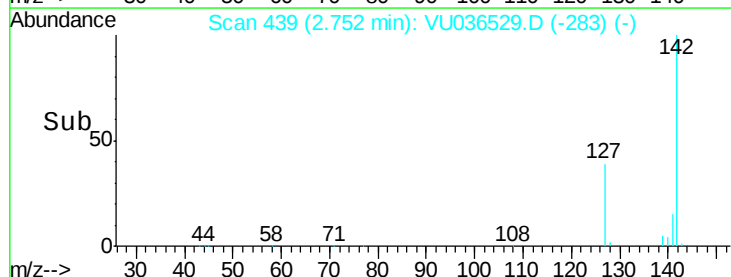
Lab File: VU036529.D

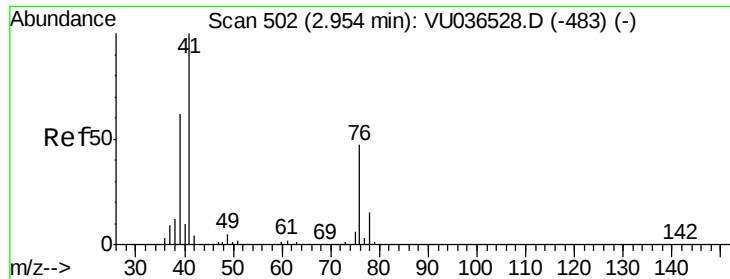
Acq: 22 Jan 2020 16:40

Tgt Ion:	142	Resp:	268909
Ion	Ratio	Lower	Upper
142	100		
127	38.4	30.3	45.5



Abundance Ion 142.00 (141.70 to 142.70): VU036529.D (-283) (-)



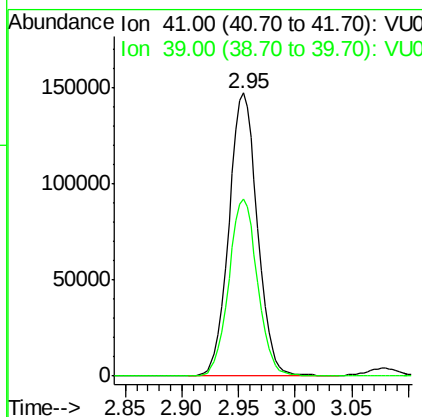
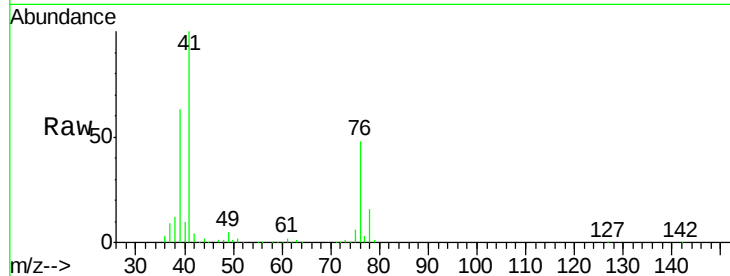


#11
Allvl Chloride
Concen: 14.021 ug/l
RT: 2.95 min Scan# 502
Delta R.T. 0.00 min
Lab File: VU036529.D
Acq: 22 Jan 2020 16:40

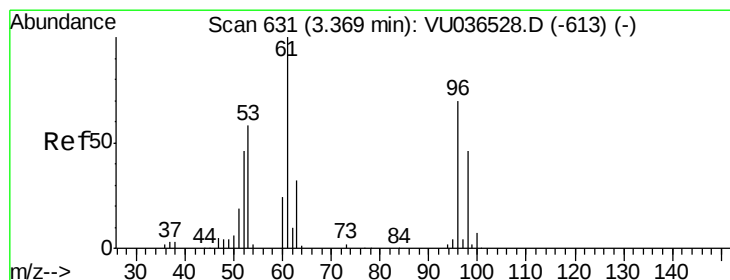
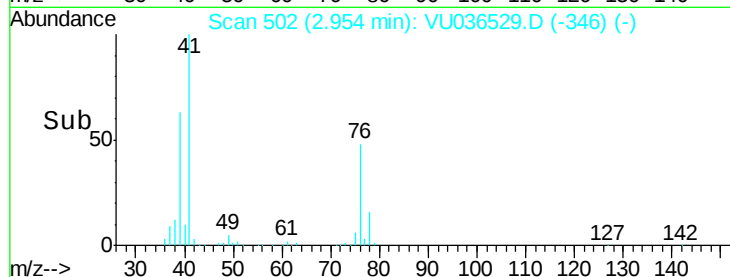
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	63.1	50.7	76.1

Manual Integrations
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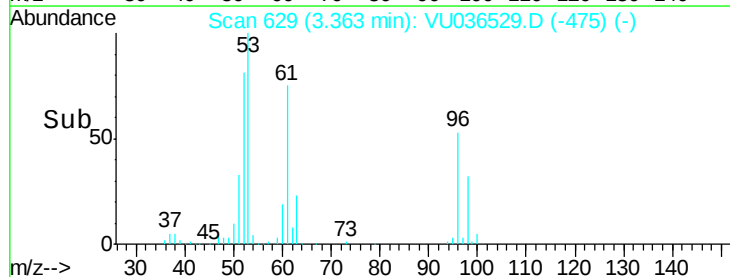
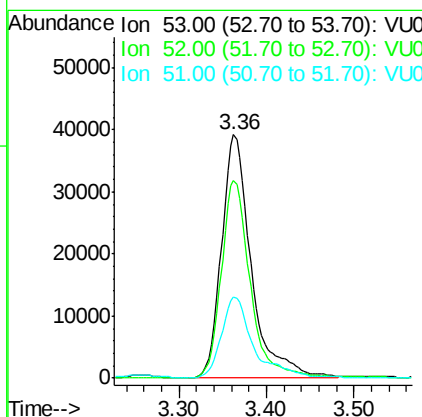
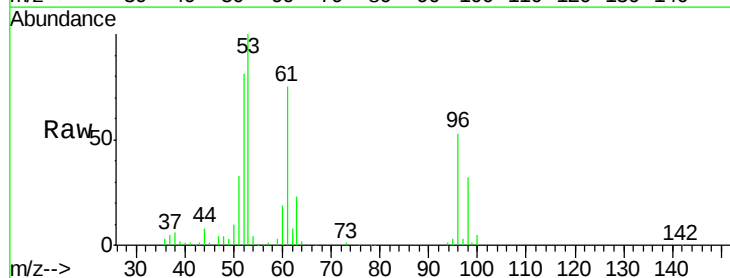


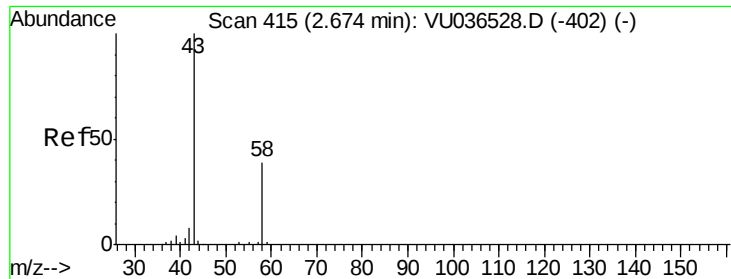
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#12
Acrylonitrile
Concen: 35.455 ug/l
RT: 3.36 min Scan# 629
Delta R.T. -0.01 min
Lab File: VU036529.D
Acq: 22 Jan 2020 16:40

Tgt Ion	Ratio	Lower	Upper
53	100		
52	78.5	64.6	97.0
51	35.7	27.2	40.8





#13

Acetone

Concen: 48.997 ug/l

RT: 2.66 min Scan# 412

Delta R.T. -0.01 min

Lab File: VU036529.D

Acq: 22 Jan 2020 16:40

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 154019

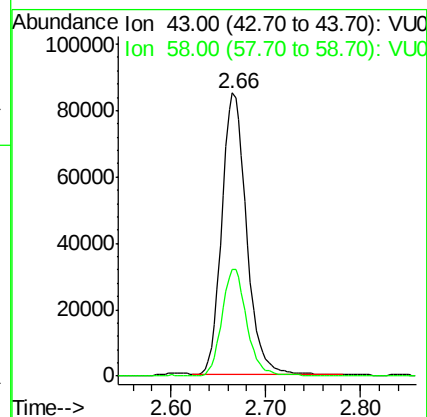
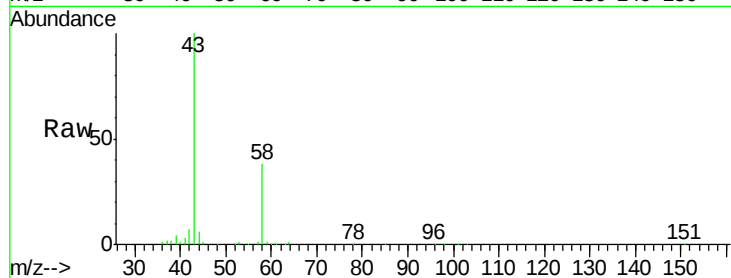
Ion Ratio Lower Upper

43 100

58 37.7 30.8 46.2

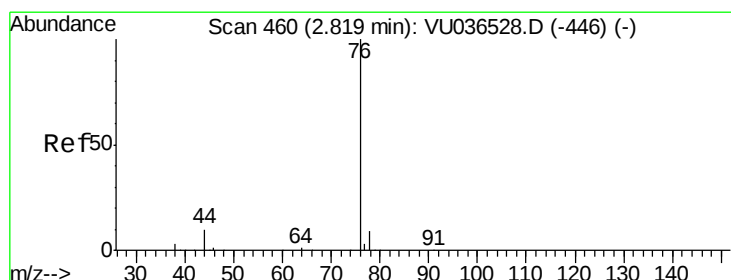
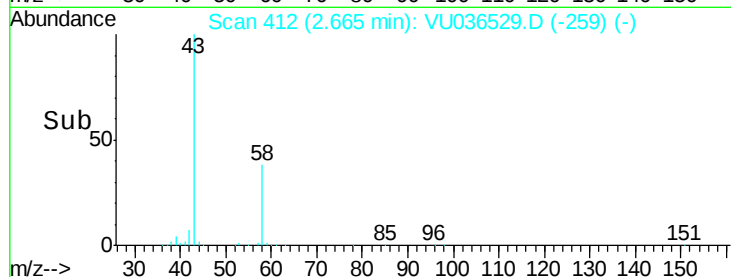
Manual Integrations

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#14

Carbon Disulfide

Concen: 19.063 ug/l

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU036529.D

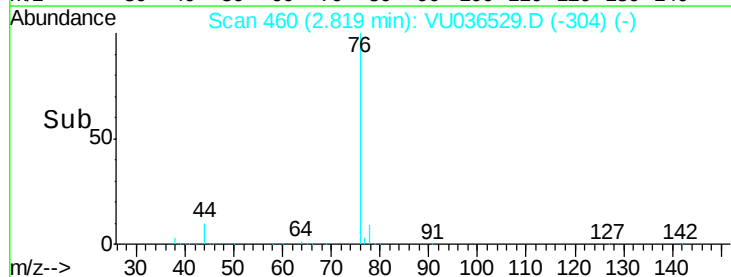
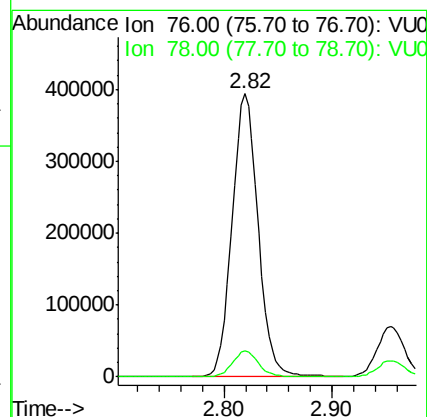
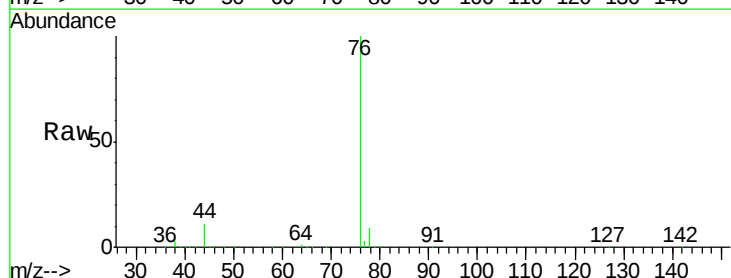
Acq: 22 Jan 2020 16:40

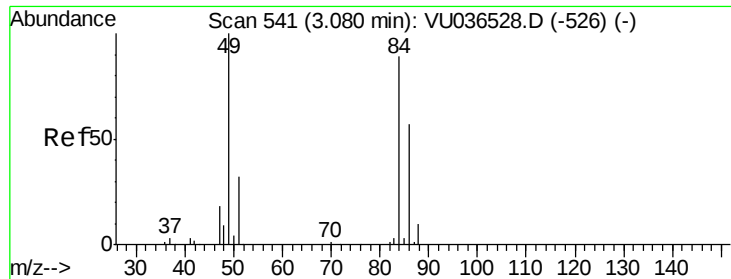
Tgt Ion: 76 Resp: 665183

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0





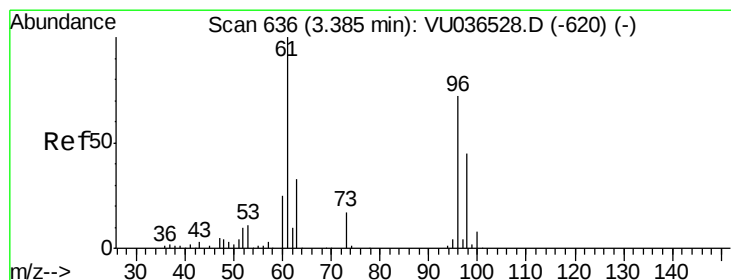
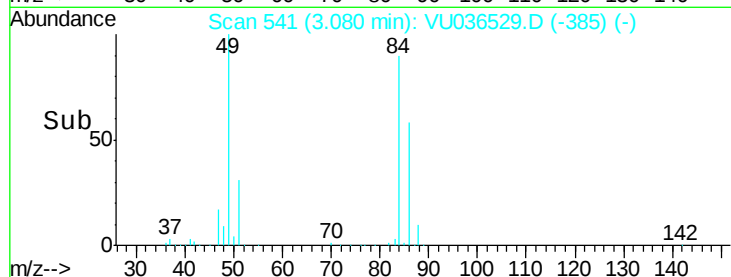
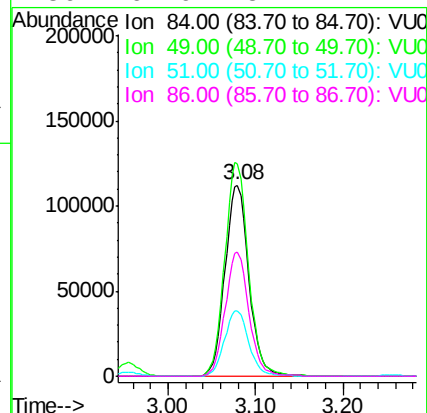
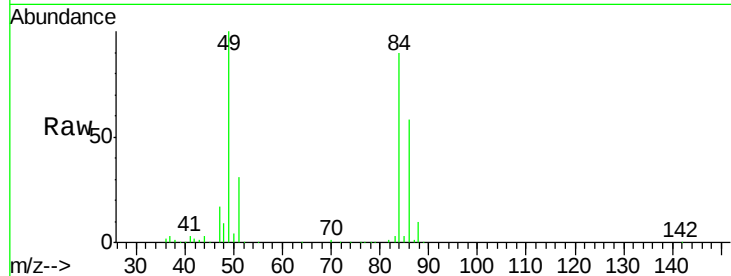
#15
Methvlene Chloride
Concen: 17.305 ug/l
RT: 3.08 min Scan# 541
Delta R.T. 0.00 min
Lab File: VU036529.D
Acq: 22 Jan 2020 16:40

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
84	100		
49	111.4	89.7	134.5
51	34.3	0.0	71.6
86	64.9	51.4	77.2

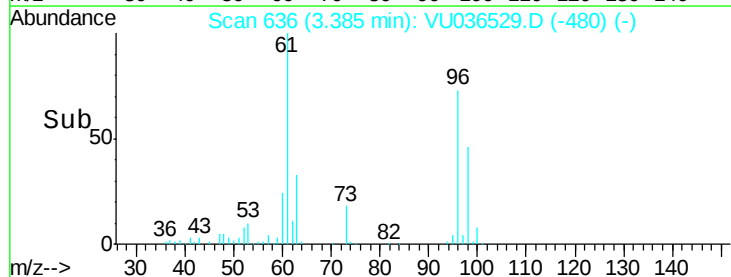
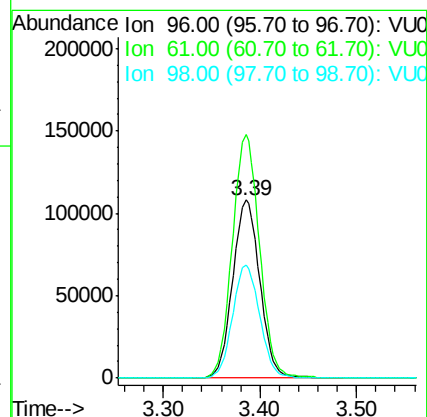
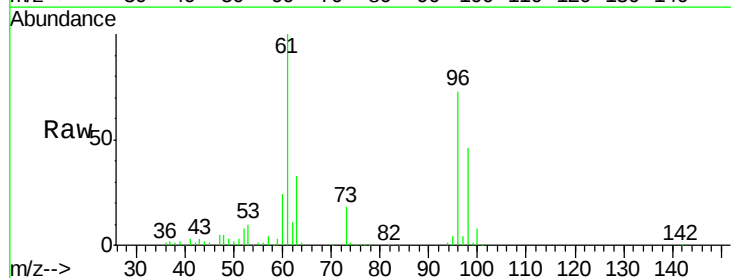
Manual Integrations
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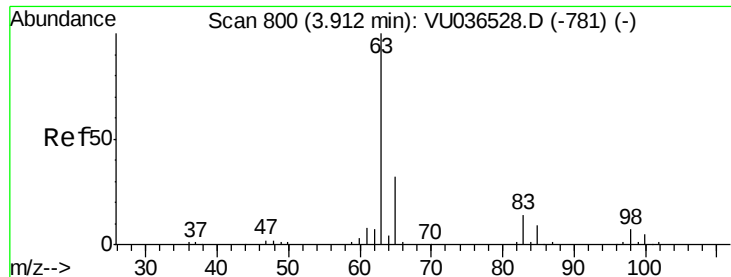
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#16
trans-1,2-Dichloroethene
Concen: 20.223 ug/l
RT: 3.39 min Scan# 636
Delta R.T. 0.00 min
Lab File: VU036529.D
Acq: 22 Jan 2020 16:40

Tgt Ion	Ratio	Lower	Upper
96	100		
61	137.0	110.8	166.2
98	63.6	50.3	75.5



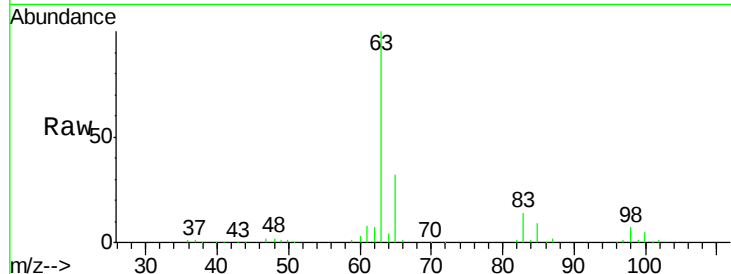


#17
 1,1-Dichloroethane
 Concen: 18.540 ug/l
 RT: 3.91 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: VU036529.D
 Acq: 22 Jan 2020 16:40

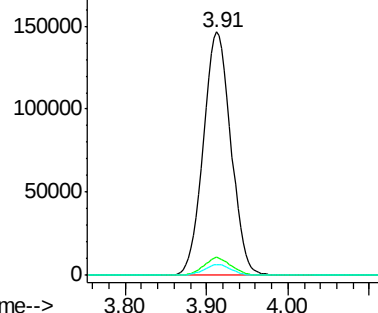
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	63	Resp	346303
Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.5	10.5
100	4.5	2.4	7.1

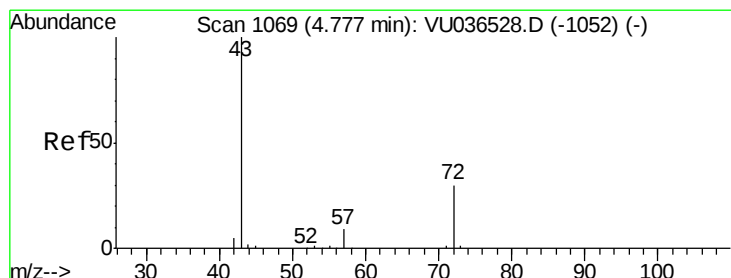
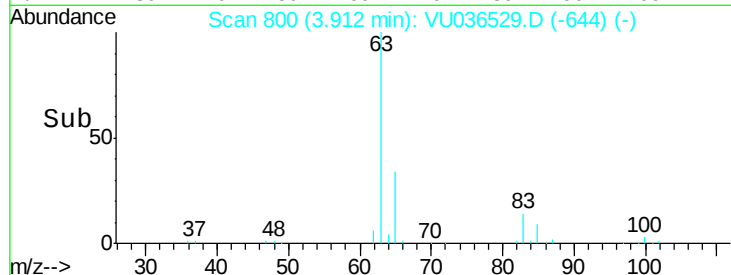
Manual Integrations
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Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0
 Ion 100.00 (99.70 to 100.70): VU0

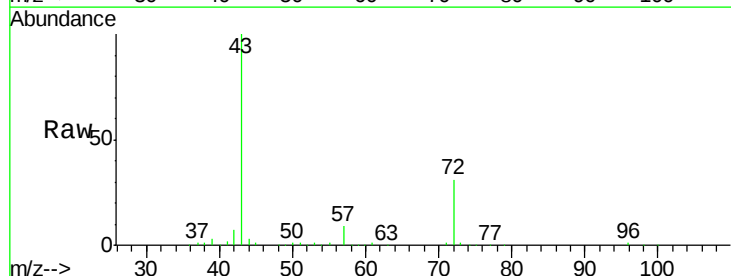


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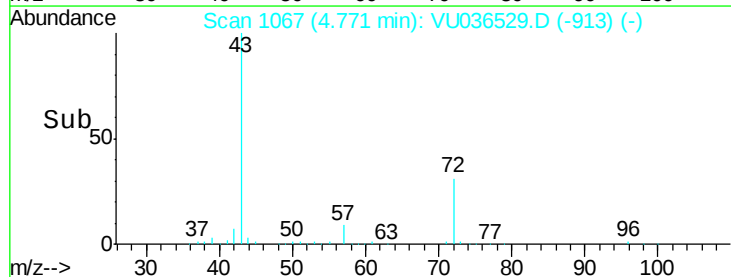
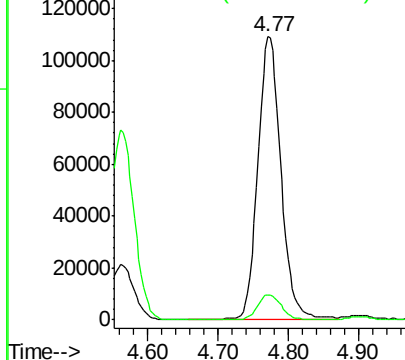


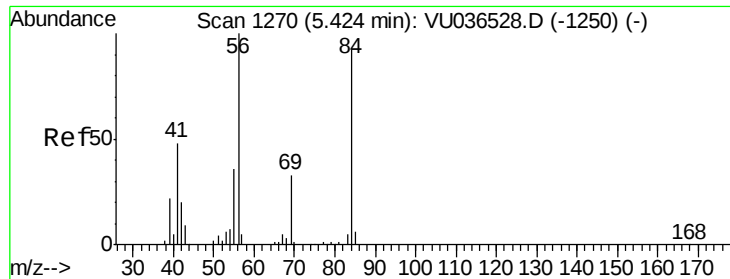
#18
 2-Butanone
 Concen: 73.584 ug/l
 RT: 4.77 min Scan# 1067
 Delta R.T. -0.01 min
 Lab File: VU036529.D
 Acq: 22 Jan 2020 16:40

Tgt Ion	43	Resp	249112
Ion	Ratio	Lower	Upper
43	100		
57	9.0	0.0	17.8



Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 57.00 (56.70 to 57.70): VU0



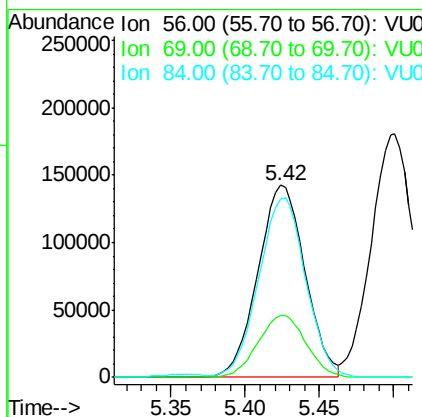
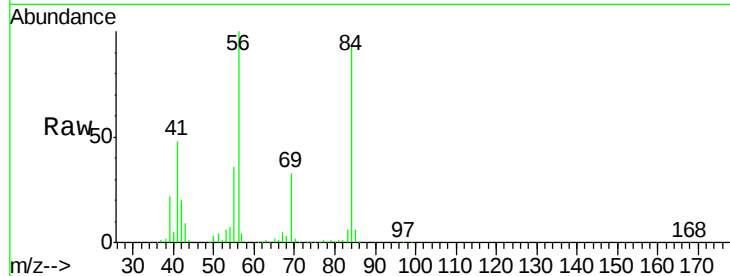


#19
Cyclohexane
Concen: 17.304 ug/l m
RT: 5.42 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VU036529.D
Acq: 22 Jan 2020 16:40

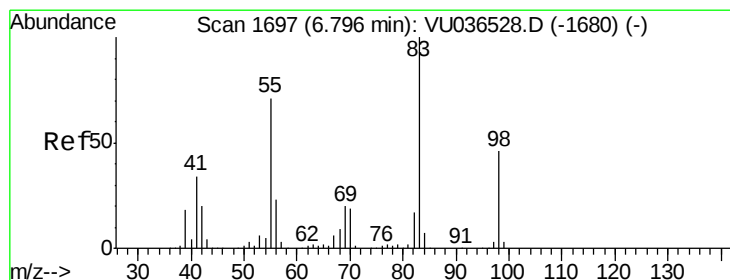
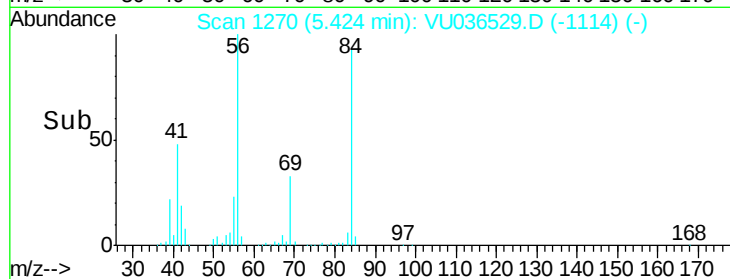
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.9	26.2	39.2
84	92.0	72.8	109.2

Manual Integrations
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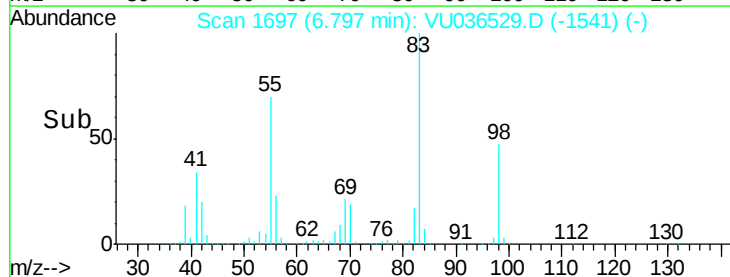
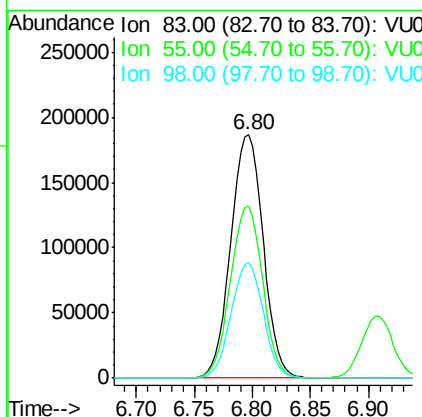
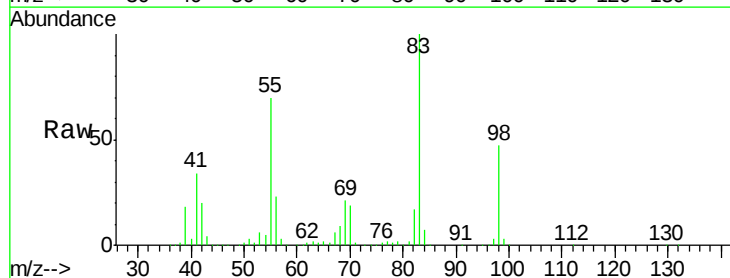


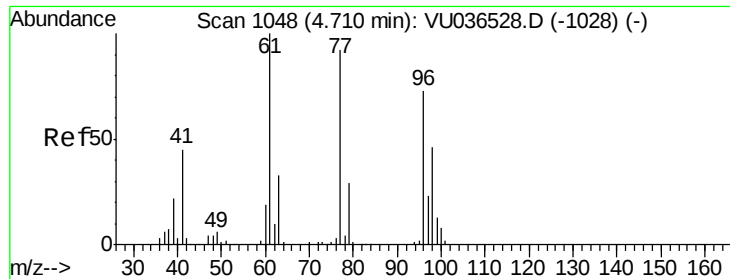
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#20
Methylcyclohexane
Concen: 20.144 ug/l
RT: 6.80 min Scan# 1697
Delta R.T. 0.00 min
Lab File: VU036529.D
Acq: 22 Jan 2020 16:40

Tgt Ion	Ratio	Lower	Upper
83	100		
55	70.1	56.6	85.0
98	47.1	37.5	56.3



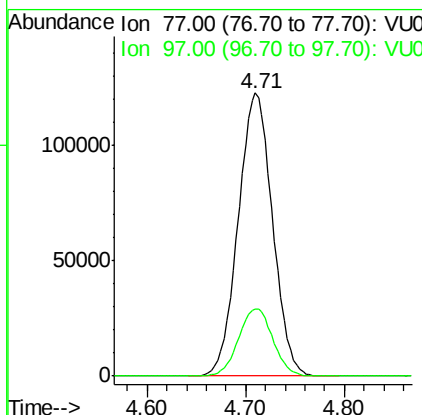
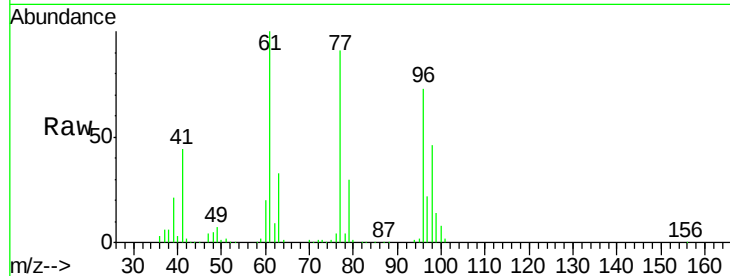


#21
2,2-Dichloropropane
Concen: 17.448 ug/l
RT: 4.71 min Scan# 1048
Delta R.T. 0.00 min
Lab File: VU036529.D
Acq: 22 Jan 2020 16:40

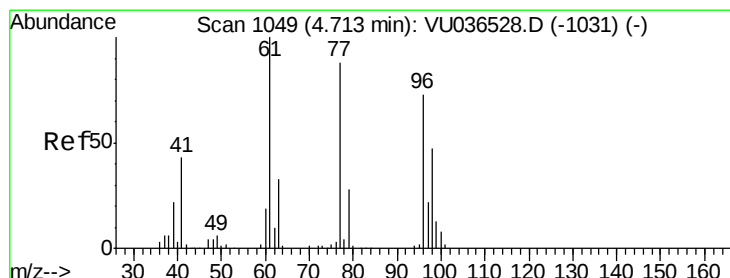
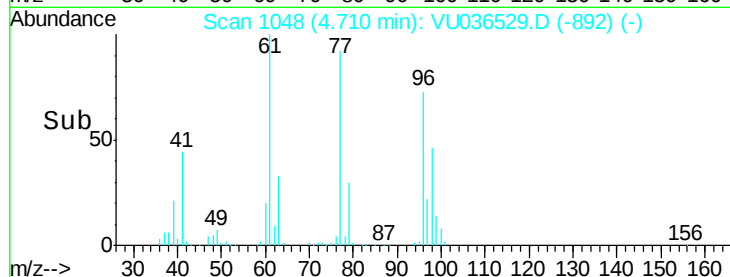
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
77	100		
97	23.9	19.0	28.4

Manual Integrations
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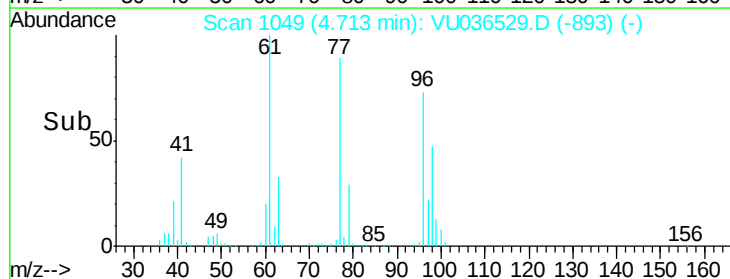
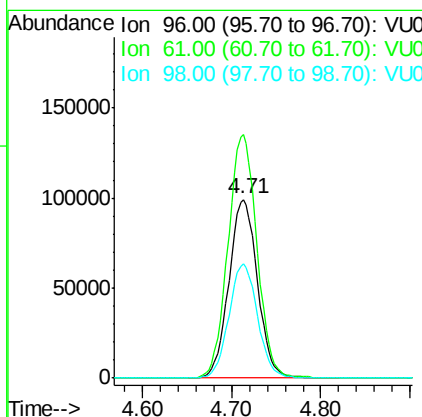
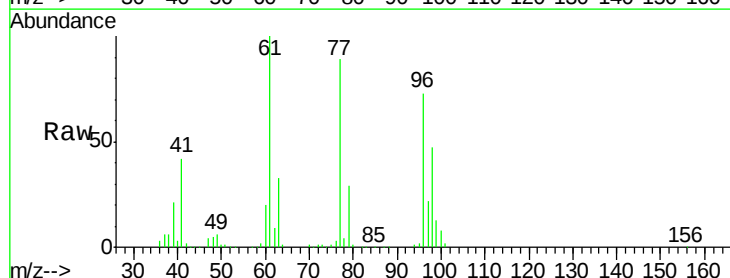


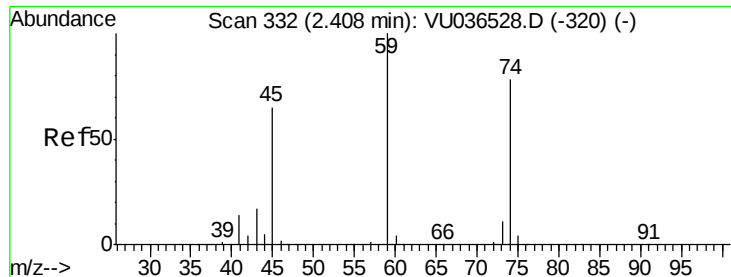
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#22
cis-1,2-Dichloroethene
Concen: 20.732 ug/l
RT: 4.71 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VU036529.D
Acq: 22 Jan 2020 16:40

Tgt Ion	Ratio	Lower	Upper
96	100		
61	138.9	0.0	342.0
98	64.2	32.0	96.0



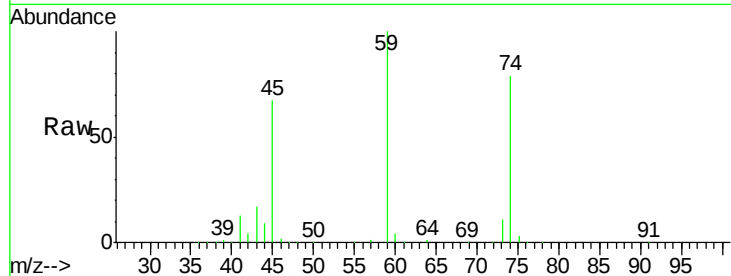


#23
Diethyl Ether
Concen: 18.047 ug/l
RT: 2.40 min Scan# 331
Delta R.T. -0.00 min
Lab File: VU036529.D
Acq: 22 Jan 2020 16:40

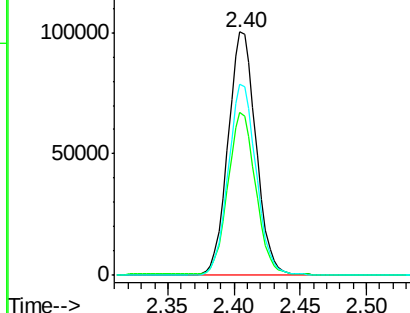
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
45	66.3	52.4	78.6
74	78.5	62.1	93.1

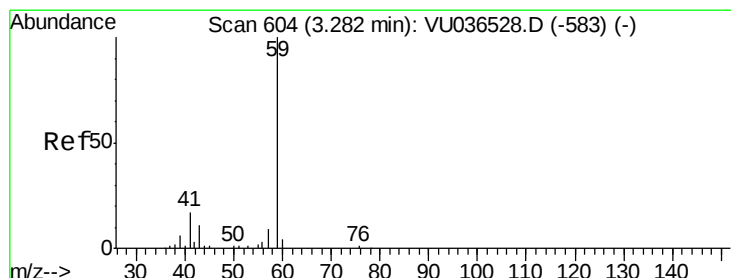
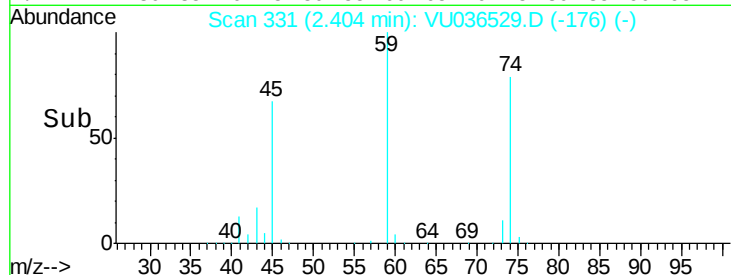
Manual Integrations
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Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 45.00 (44.70 to 45.70): VU0
Ion 74.00 (73.70 to 74.70): VU0

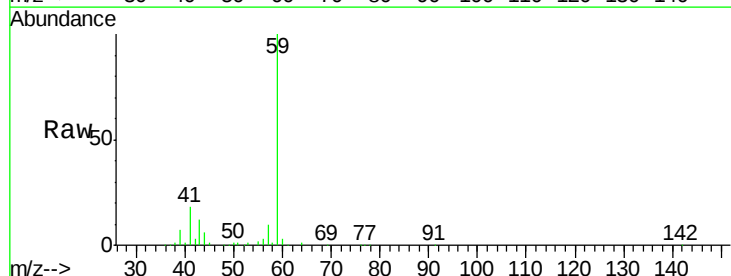


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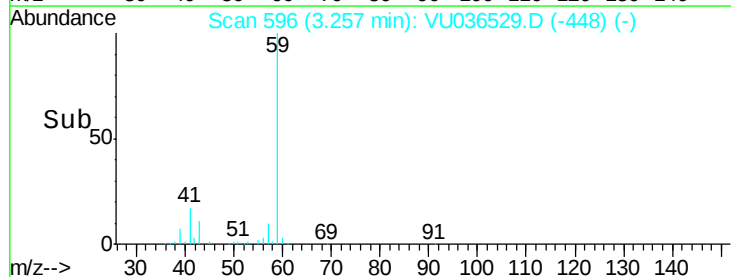
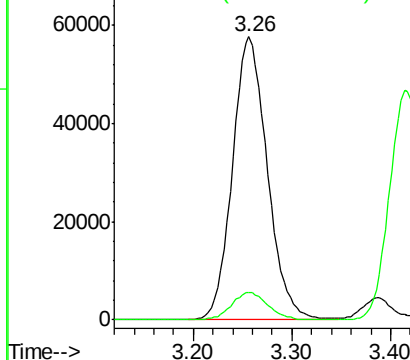


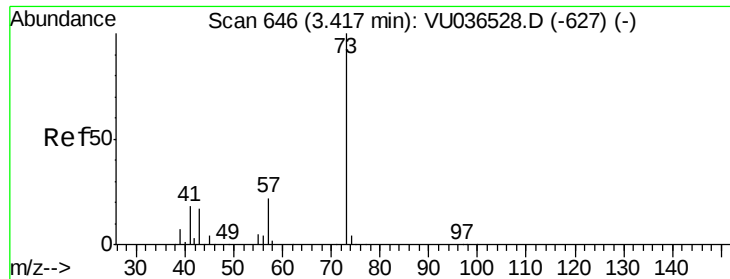
#24
tert-Butyl Alcohol
Concen: 168.199 ug/l
RT: 3.26 min Scan# 596
Delta R.T. -0.03 min
Lab File: VU036529.D
Acq: 22 Jan 2020 16:40

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.4	12.6



Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 57.00 (56.70 to 57.70): VU0



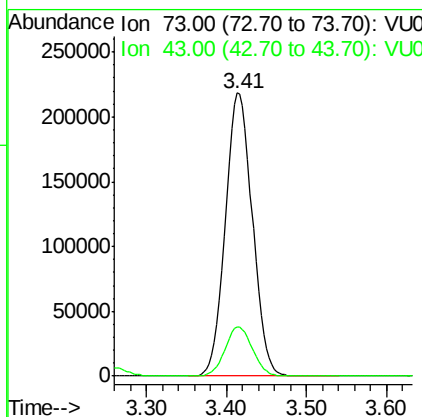
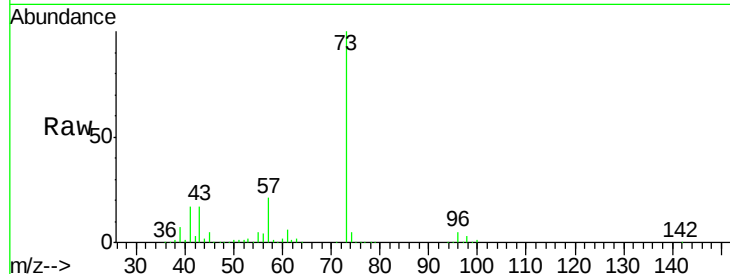


#25
Methvl tert-Butvl Ether
Concen: 17.601 ug/l
RT: 3.41 min Scan# 645
Delta R.T. -0.00 min
Lab File: VU036529.D
Acq: 22 Jan 2020 16:40

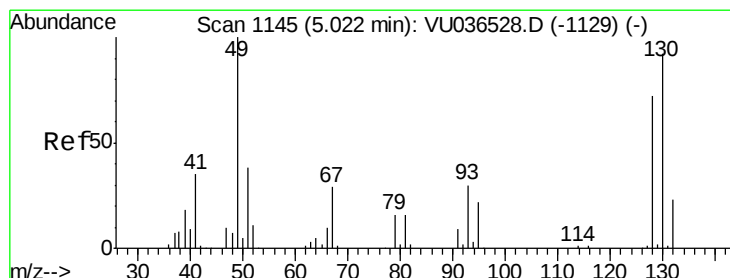
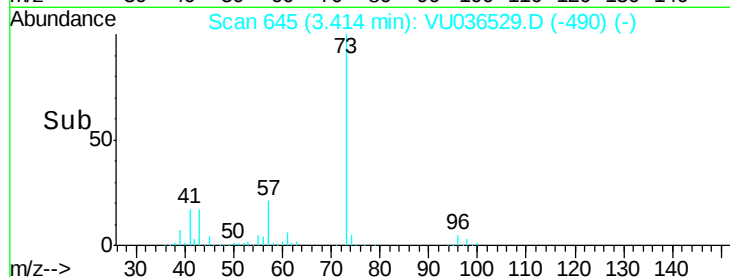
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 503229
Ion Ratio Lower Upper
73 100
43 17.4 14.5 21.7

Manual Integrations
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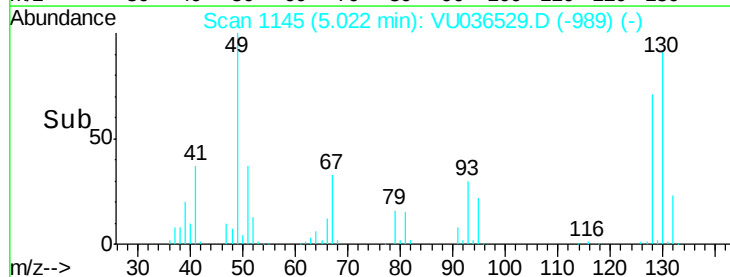
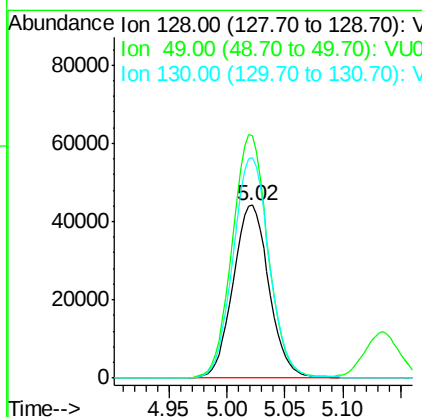
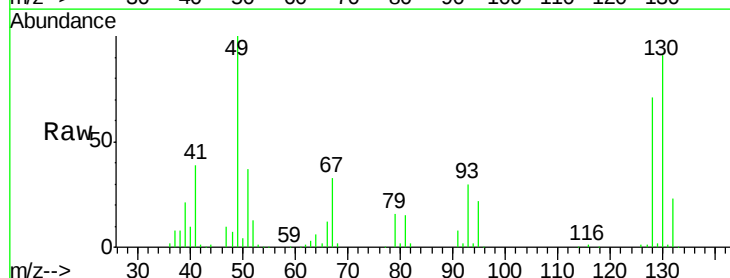


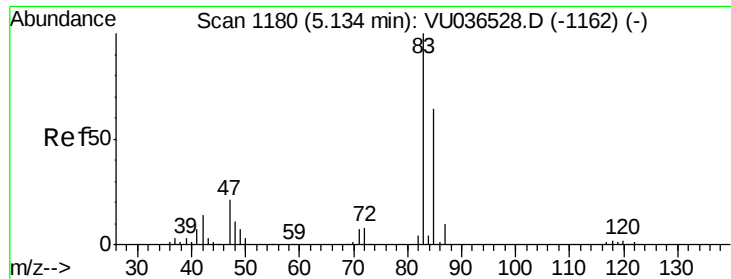
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#26
Bromochloromethane
Concen: 22.379 ug/l
RT: 5.02 min Scan# 1145
Delta R.T. 0.00 min
Lab File: VU036529.D
Acq: 22 Jan 2020 16:40

Tgt Ion: 128 Resp: 94963
Ion Ratio Lower Upper
128 100
49 140.0 0.0 286.2
130 128.8 104.3 156.5



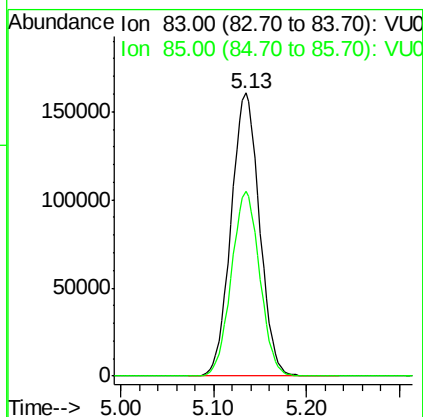
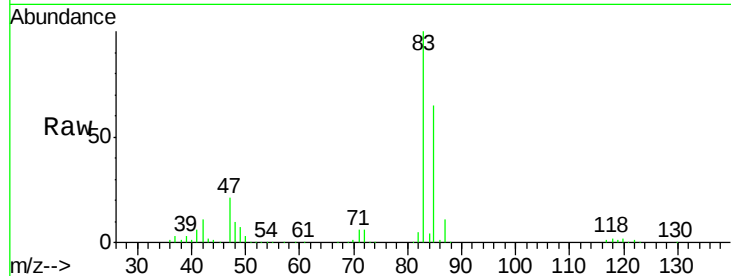


#27
Chloroform
Concen: 18.353 ug/l
RT: 5.13 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VU036529.D
Acq: 22 Jan 2020 16:40

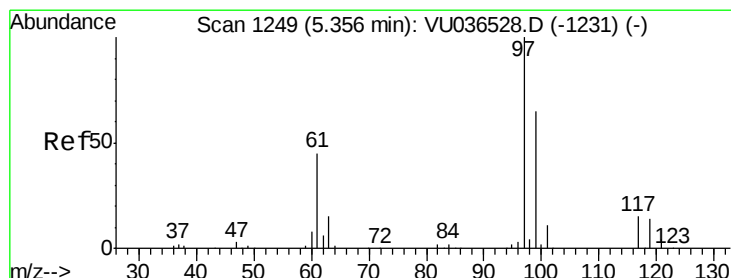
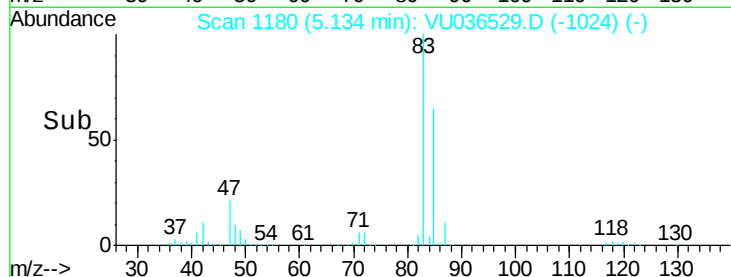
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	83	Resp	341295
Ion Ratio	100	Lower	Upper
85	65.1	0.0	129.0

Manual Integrations
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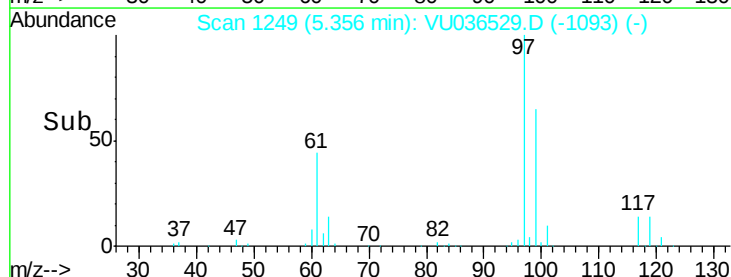
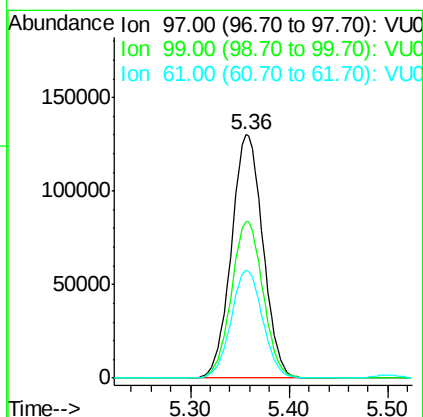
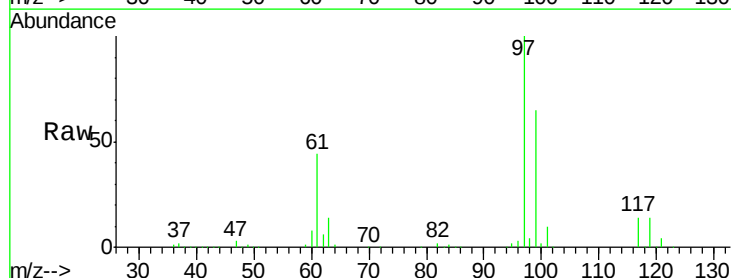


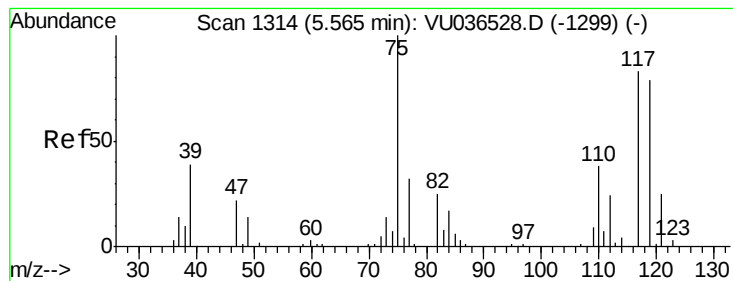
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#28
1,1,1-Trichloroethane
Concen: 17.597 ug/l
RT: 5.36 min Scan# 1249
Delta R.T. 0.00 min
Lab File: VU036529.D
Acq: 22 Jan 2020 16:40

Tgt Ion	97	Resp	289717
Ion Ratio	100	Lower	Upper
99	64.5	32.1	96.3
61	44.6	22.7	68.0





#29

1,1-Dichloropropene

Concen: 18.626 ug/l

RT: 5.57 min Scan# 1314

Delta R.T. 0.00 min

Lab File: VU036529.D

Acq: 22 Jan 2020 16:40

Instrument :

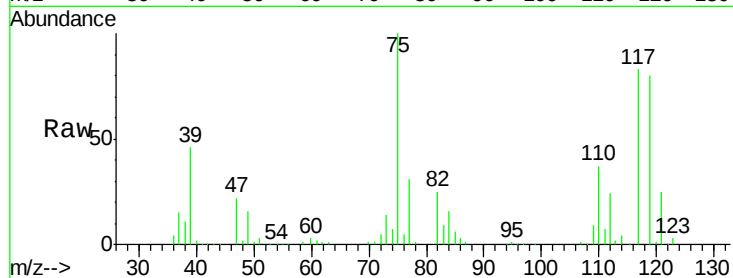
MSVOA_U

ClientSampleId :

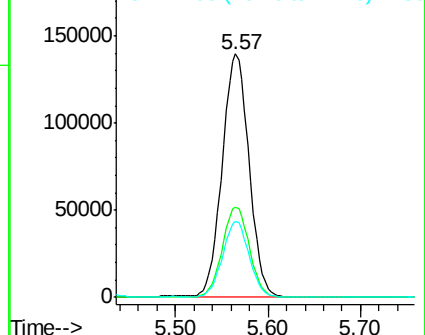
VSTDIC020

Tot Ion:	75	Resp:	280194
Ion Ratio	Lower	Upper	
75	100		
110	37.3	18.6	55.8
77	30.7	25.0	37.4

Manual Integrations
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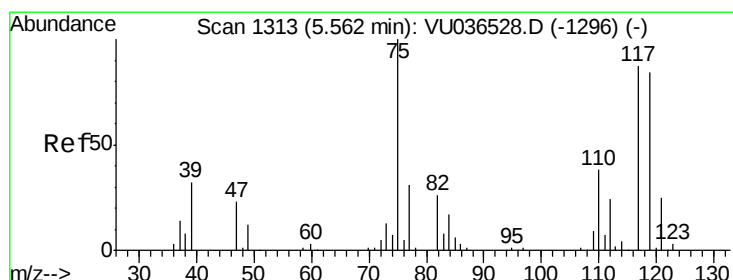
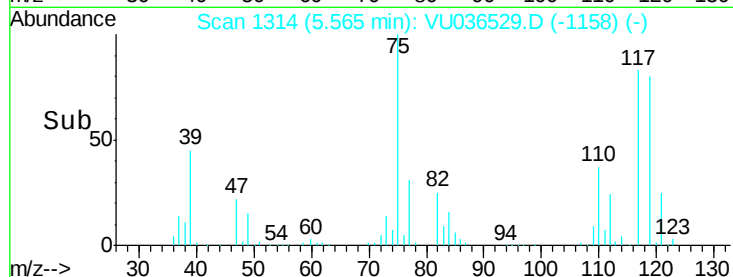


Abundance Ion 75.00 (74.70 to 75.70): VU036528.D (-1299) (-)



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#30

Carbon Tetrachloride

Concen: 18.173 ug/l

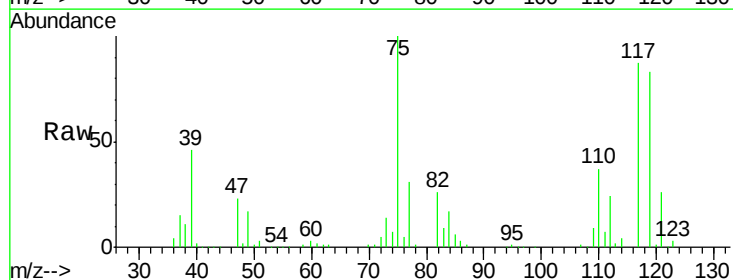
RT: 5.56 min Scan# 1313

Delta R.T. 0.00 min

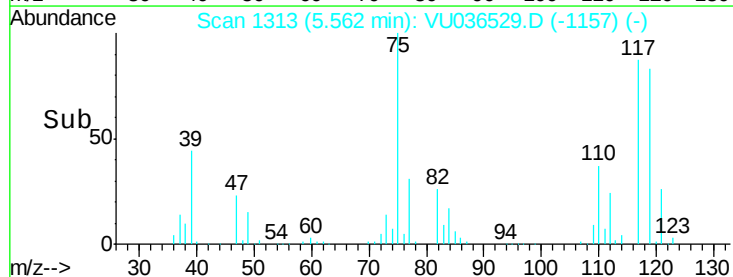
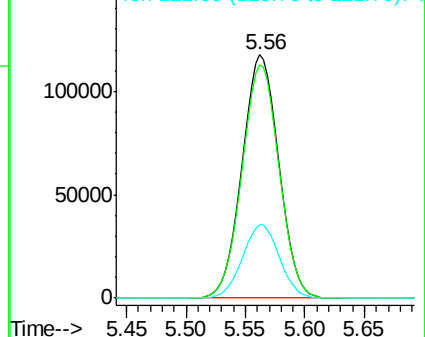
Lab File: VU036529.D

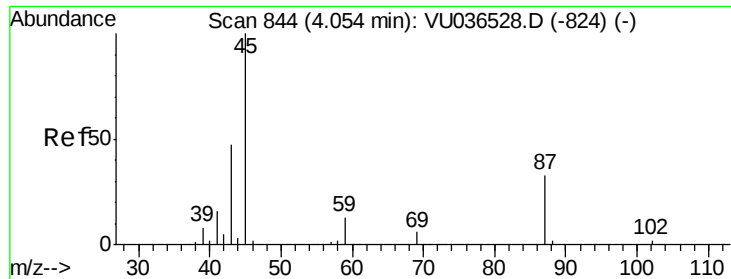
Acq: 22 Jan 2020 16:40

Tgt Ion:	117	Resp:	251621
Ion Ratio	Lower	Upper	
117	100		
119	95.9	77.0	115.6
121	30.2	23.3	34.9



Abundance Ion 117.00 (116.70 to 117.70): VU036528.D (-1296) (-)





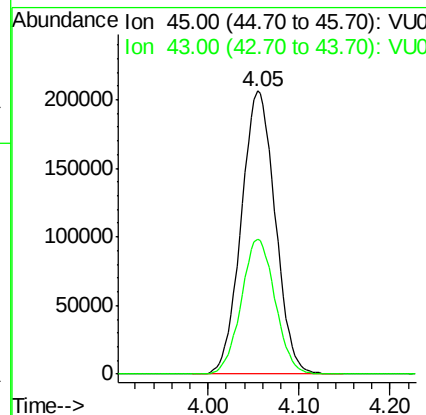
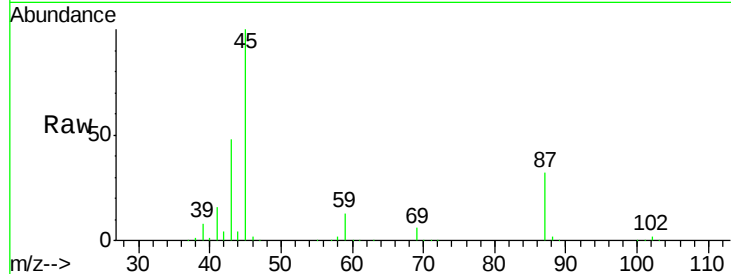
#31

Isopropyl Ether
 Concen: 16.980 ug/l
 RT: 4.05 min Scan# 844
 Delta R.T. 0.00 min
 Lab File: VU036529.D
 Acq: 22 Jan 2020 16:40

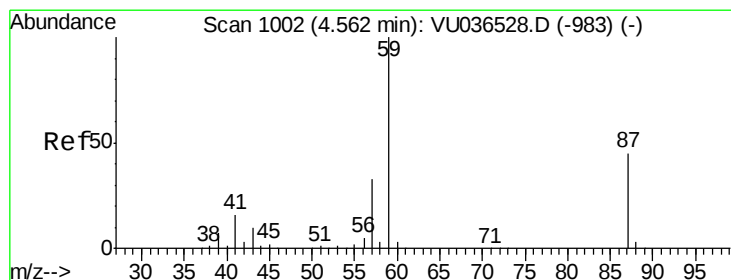
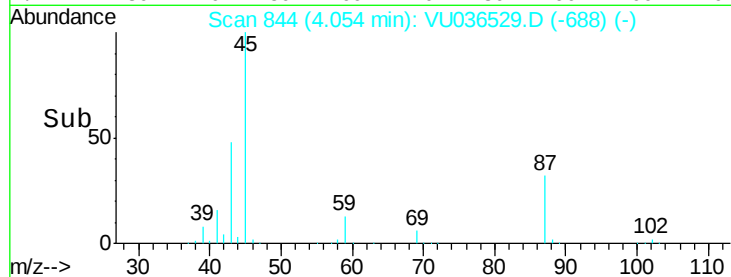
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	45	43	Ratio	Lower	Upper
45	100				
43	47.7		24.0	72.0	

Manual Integrations
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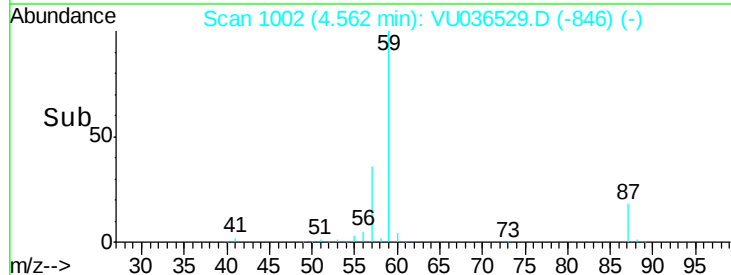
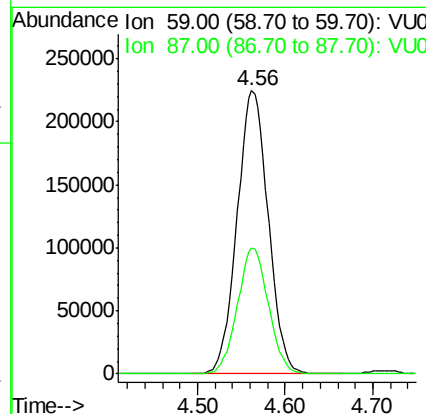
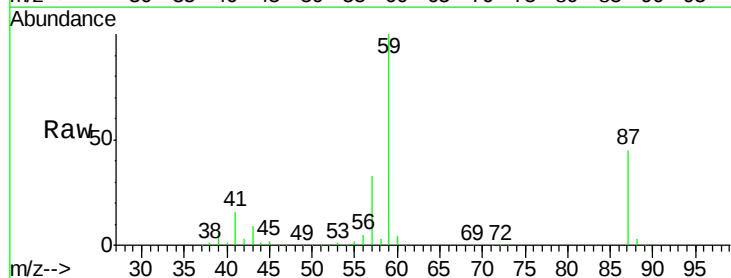
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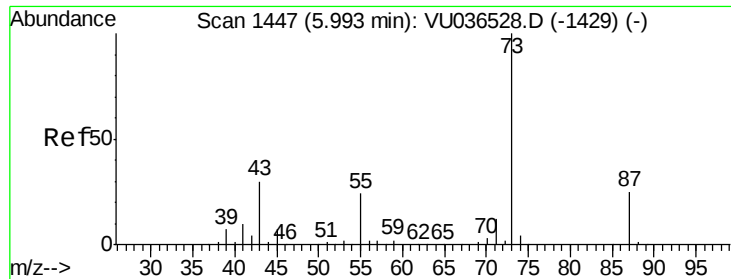


#32

Ethyl-t-butyl ether
 Concen: 17.977 ug/l
 RT: 4.56 min Scan# 1002
 Delta R.T. 0.00 min
 Lab File: VU036529.D
 Acq: 22 Jan 2020 16:40

Tgt Ion	59	87	Ratio	Lower	Upper
59	100				
87	44.4		35.1	52.7	



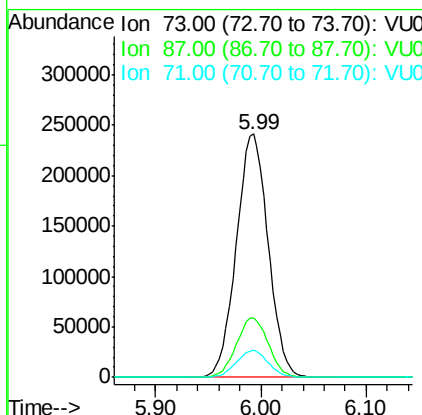
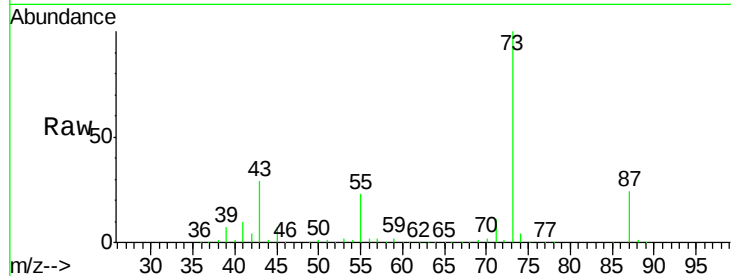


#33
Tert-Butyl methyl ether
Concen: 18.016 ug/l
RT: 5.99 min Scan# 1447
Delta R.T. 0.00 min
Lab File: VU036529.D
Acq: 22 Jan 2020 16:40

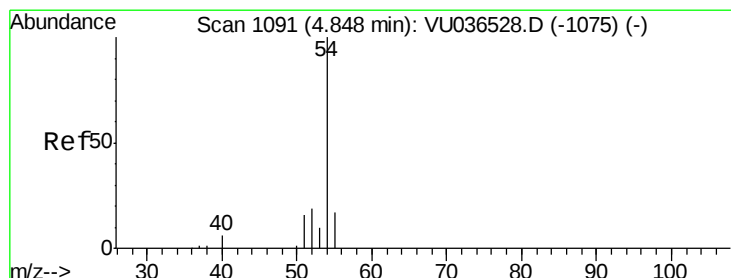
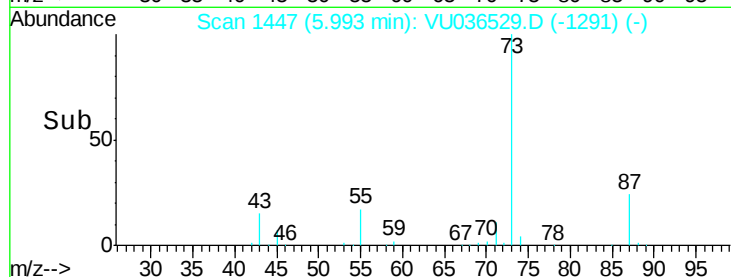
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
87	24.7	19.8	29.6
71	11.2	9.1	13.7

Manual Integrations
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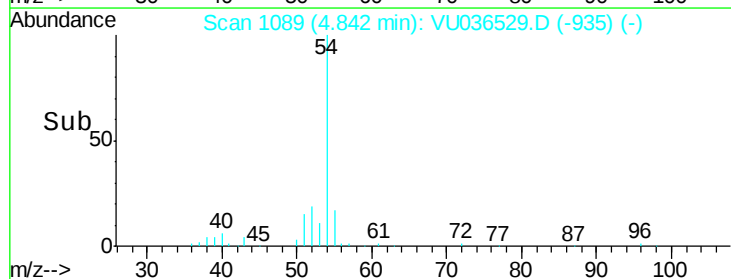
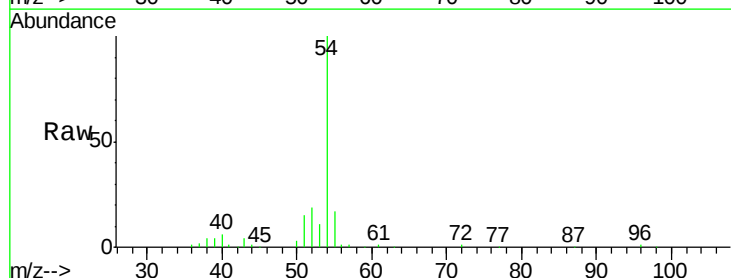
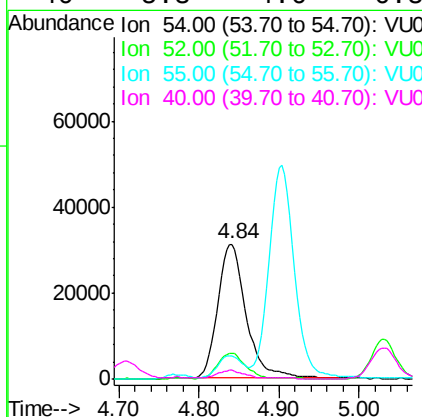


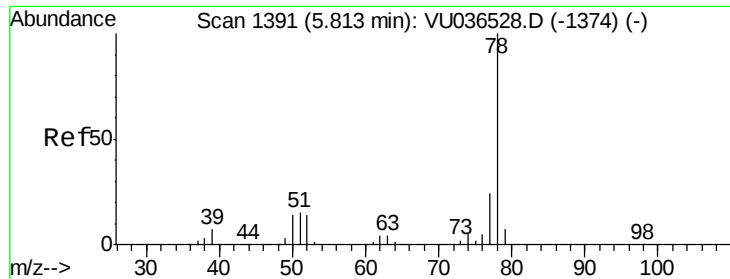
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#34
Propionitrile
Concen: 90.419 ug/l
RT: 4.84 min Scan# 1089
Delta R.T. -0.01 min
Lab File: VU036529.D
Acq: 22 Jan 2020 16:40

Tgt Ion	Ratio	Lower	Upper
54	100		
52	18.2	15.2	22.8
55	15.6	9.5	14.3
40	5.3	4.6	6.8





#35

Benzene

Concen: 19.131 ug/l

RT: 5.81 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VU036529.D

Acq: 22 Jan 2020 16:40

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 78 Resp: 804735

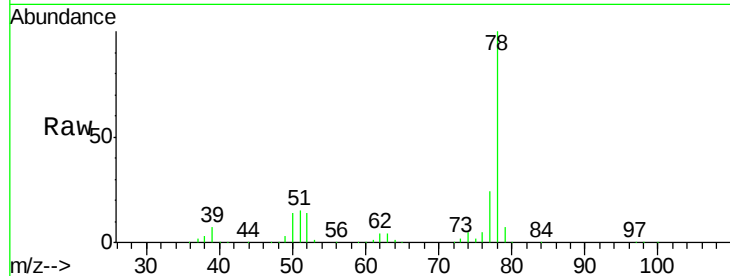
Ion Ratio Lower Upper

78 100

77 24.3 19.4 29.0

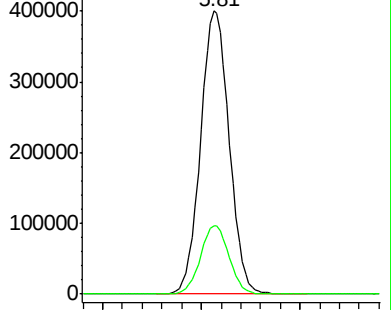
Manual Integrations

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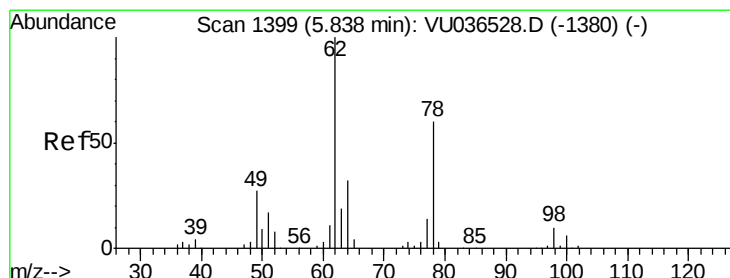
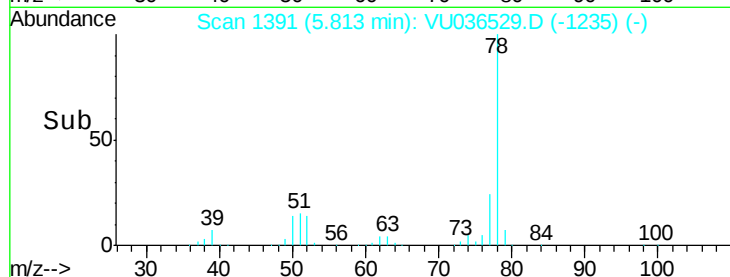
Abundance Ion 78.10 (77.80 to 78.80): VU036529.D (-1235) (-)

Ion 77.00 (76.70 to 77.70): VU036529.D (-1235) (-)



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#36

1,2-Dichloroethane

Concen: 16.081 ug/l

RT: 5.84 min Scan# 1399

Delta R.T. 0.00 min

Lab File: VU036529.D

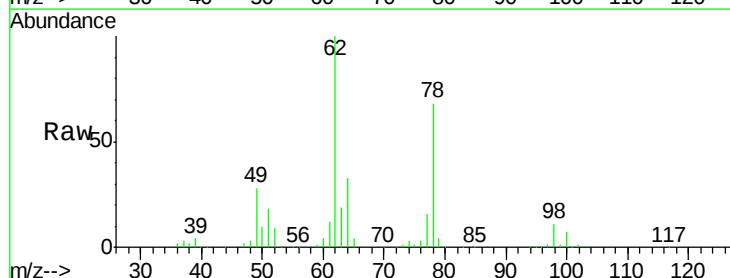
Acq: 22 Jan 2020 16:40

Tgt Ion: 62 Resp: 216654

Ion Ratio Lower Upper

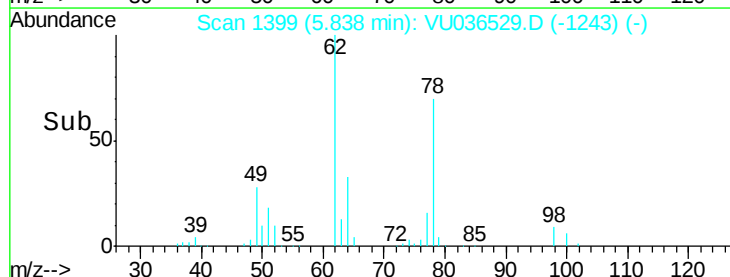
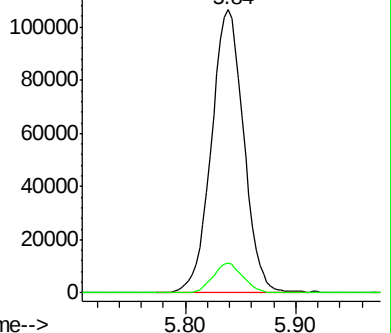
62 100

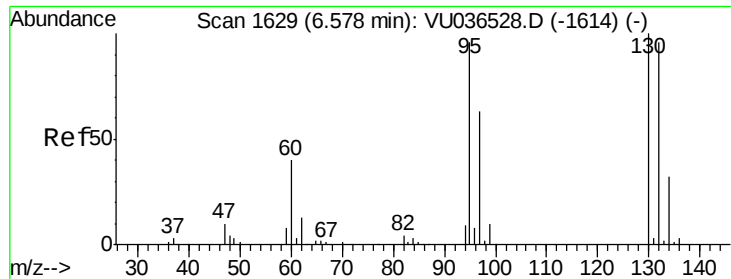
98 9.9 7.8 11.8



Abundance Ion 62.00 (61.70 to 62.70): VU036529.D (-1243) (-)

Ion 98.00 (97.70 to 98.70): VU036529.D (-1243) (-)



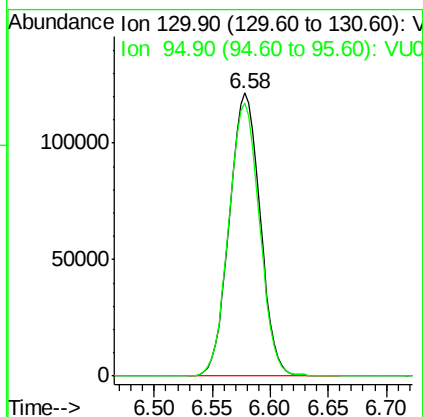
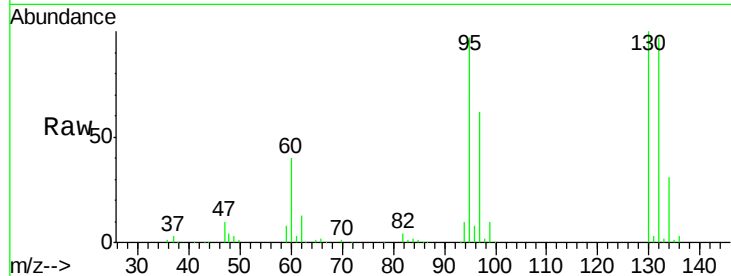


#37
 Trichloroethene
 Concen: 21.846 ug/l
 RT: 6.58 min Scan# 1629
 Delta R.T. 0.00 min
 Lab File: VU036529.D
 Acq: 22 Jan 2020 16:40

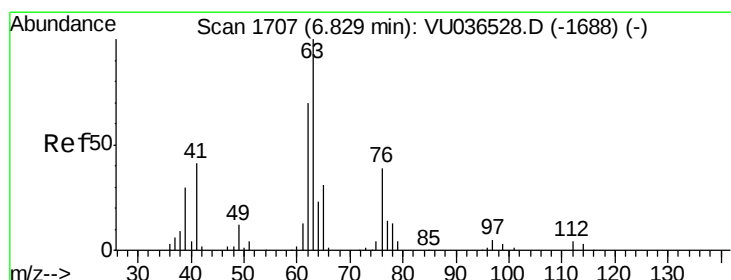
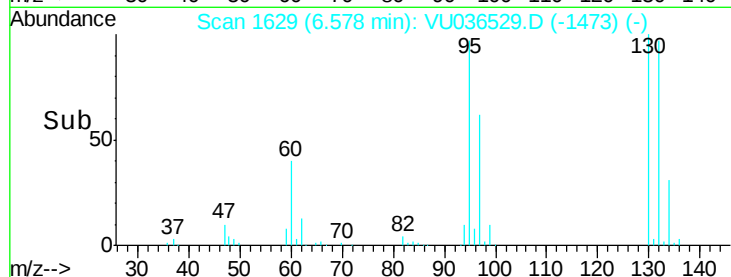
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion:130 Resp: 223127
 Ion Ratio Lower Upper
 130 100
 95 96.5 77.0 115.4

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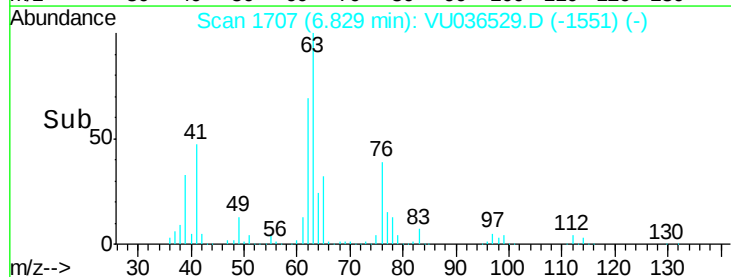
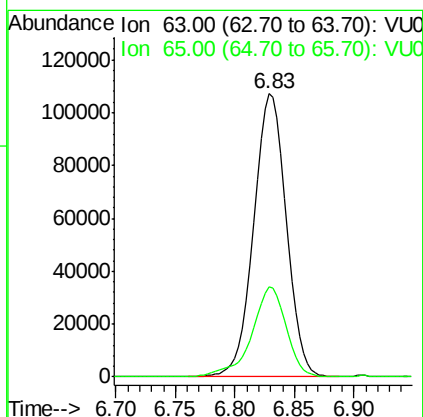
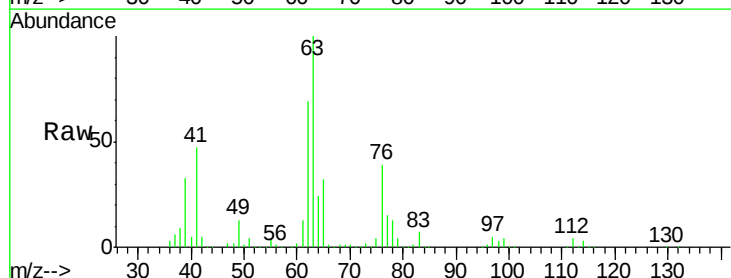


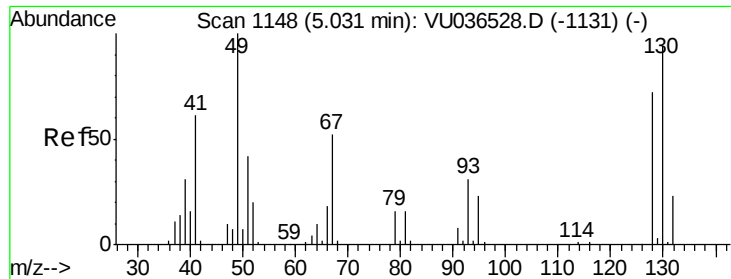
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#38
 1,2-Dichloropropane
 Concen: 18.472 ug/l
 RT: 6.83 min Scan# 1707
 Delta R.T. 0.00 min
 Lab File: VU036529.D
 Acq: 22 Jan 2020 16:40

Tgt Ion: 63 Resp: 204025
 Ion Ratio Lower Upper
 63 100
 65 31.8 24.7 37.1





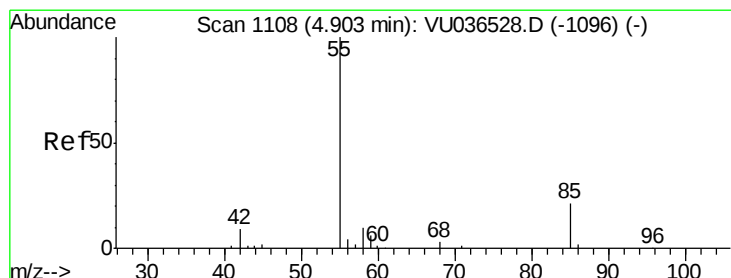
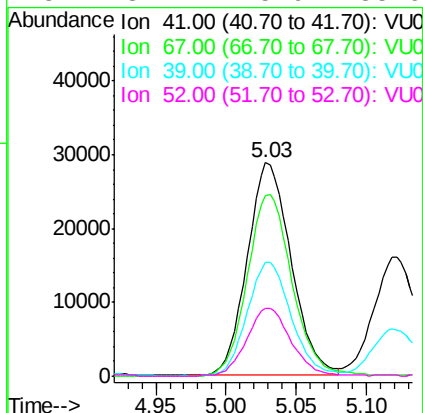
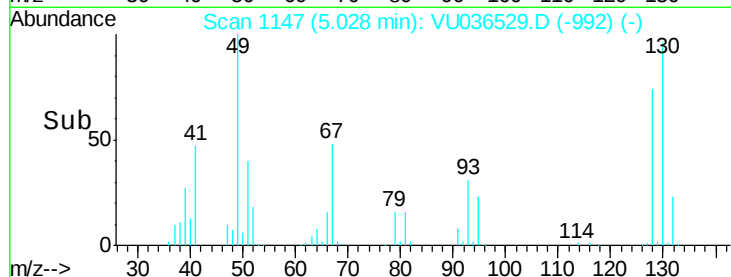
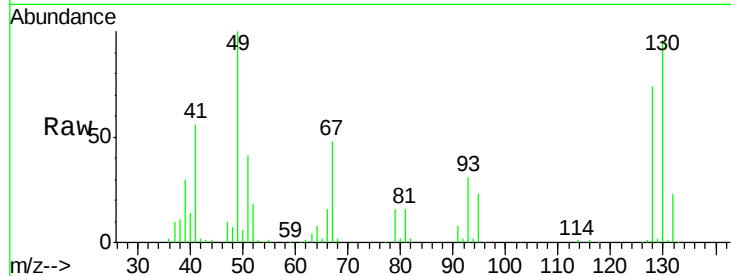
#39
Methacrylonitrile
Concen: 15.708 ug/l
RT: 5.03 min Scan# 1147
Delta R.T. -0.00 min
Lab File: VU036529.D
Acq: 22 Jan 2020 16:40

Instrument :
MSVOA_U
ClientSampled :
VSTDIC020

Tot Ion	41	Resp	62857
Ion	Ratio	Lower	Upper
41	100		
67	87.5	69.6	104.4
39	54.1	41.6	62.4
52	32.4	25.9	38.9

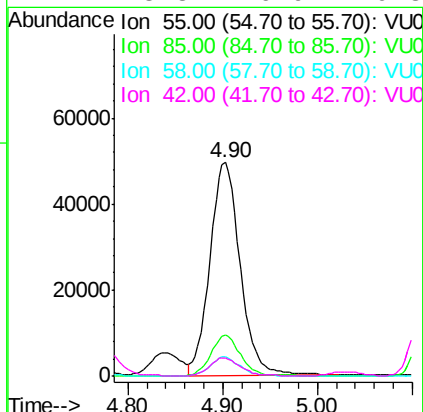
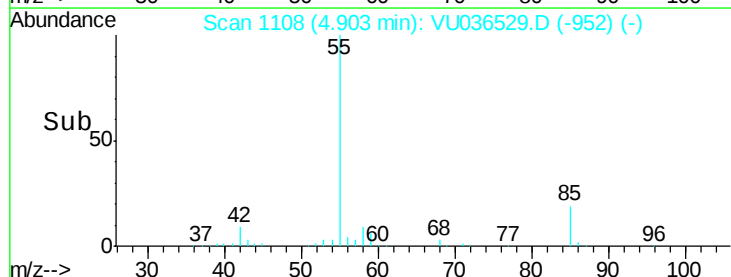
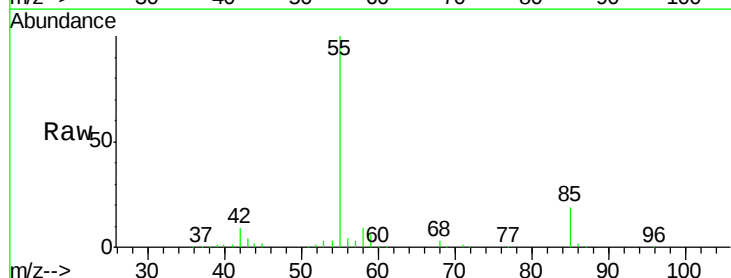
Manual Integrations
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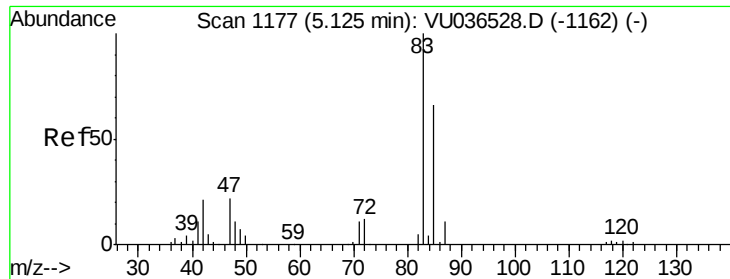
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#40
Methyl acrylate
Concen: 18.545 ug/l
RT: 4.90 min Scan# 1108
Delta R.T. 0.00 min
Lab File: VU036529.D
Acq: 22 Jan 2020 16:40

Tgt Ion	55	Resp	110110
Ion	Ratio	Lower	Upper
55	100		
85	18.5	14.7	22.1
58	8.9	7.1	10.7
42	8.8	6.9	10.3



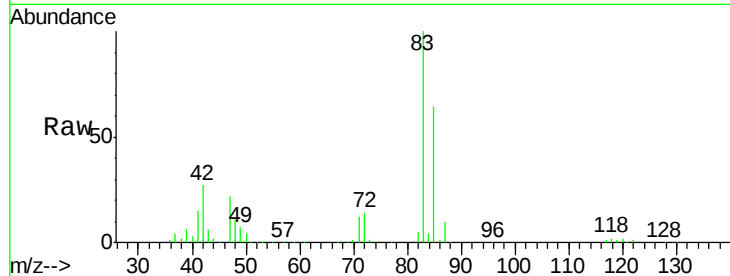


#41
Tetrahydrofuran
Concen: 30.382 ug/l
RT: 5.12 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VU036529.D
Acq: 22 Jan 2020 16:40

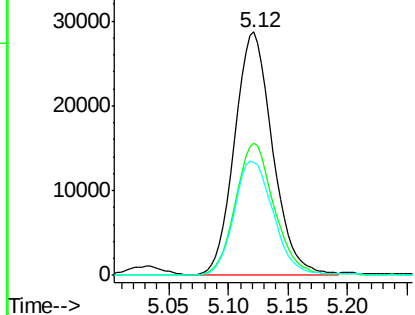
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	56.1	42.5	63.7
71	49.2	37.3	55.9

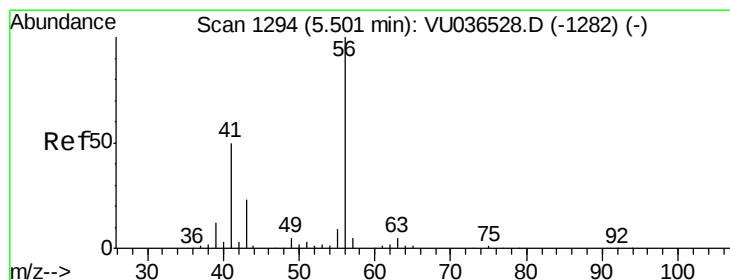
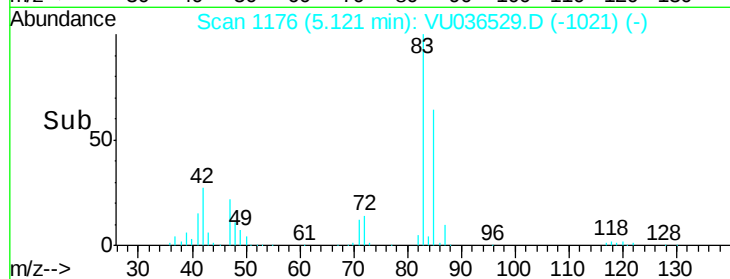
Manual Integrations
APPROVED



Abundance Ion 42.00 (41.70 to 42.70): VU036529.D (-1176) (-)
Ion 72.00 (71.70 to 72.70): VU036529.D (-1176) (-)
Ion 71.00 (70.70 to 71.70): VU036529.D (-1176) (-)

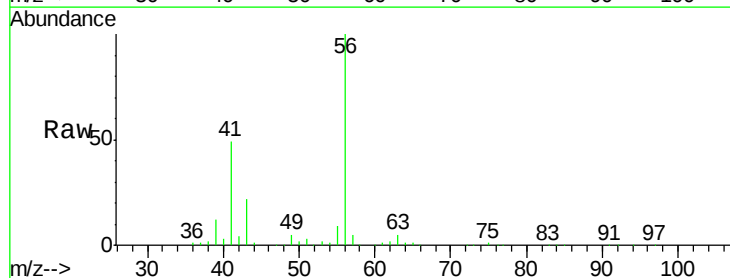


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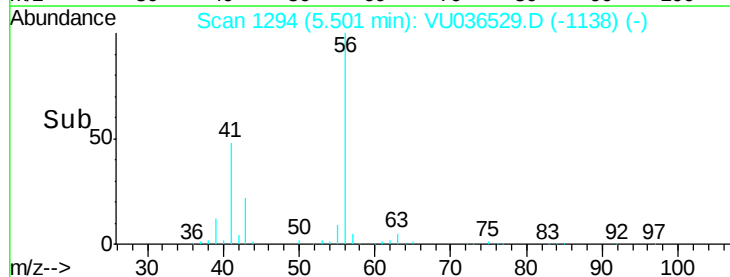
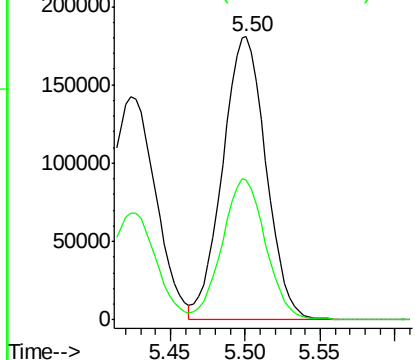


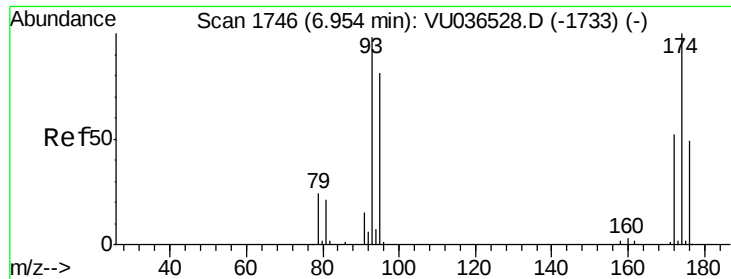
#42
1-Chlorobutane
Concen: 16.648 ug/l
RT: 5.50 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VU036529.D
Acq: 22 Jan 2020 16:40

Tgt Ion	Ratio	Lower	Upper
56	100		
41	50.1	24.8	74.3



Abundance Ion 56.00 (55.70 to 56.70): VU036529.D (-1294) (-)
Ion 41.00 (40.70 to 41.70): VU036529.D (-1294) (-)



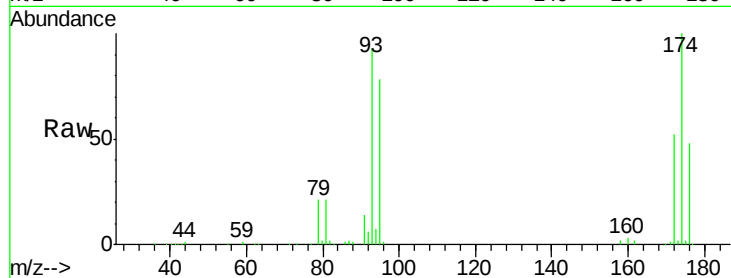


#43
Dibromomethane
Concen: 18.670 ug/l
RT: 6.96 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VU036529.D
Acq: 22 Jan 2020 16:40

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
93	100		
95	83.4	67.9	101.9
174	105.0	83.4	125.0

Manual Integrations
APPROVED

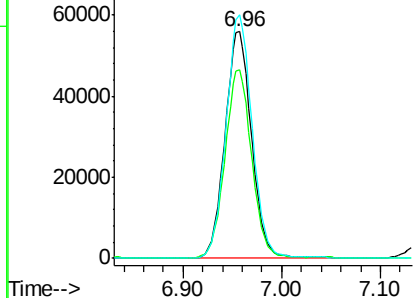


Abundance

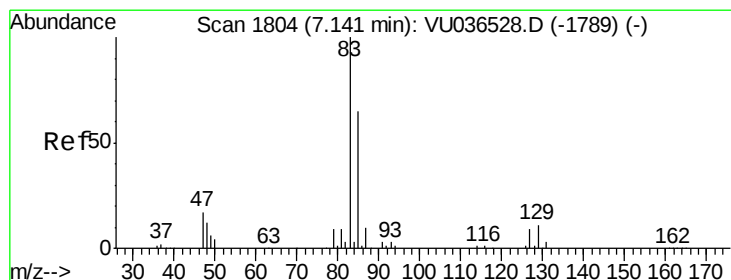
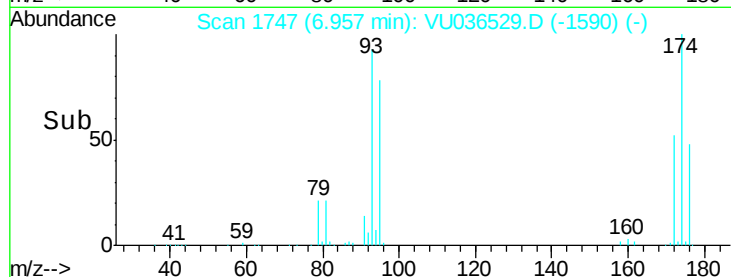
Ion 93.00 (92.70 to 93.70): VU036528.D (-1733) (-)

Ion 95.00 (94.70 to 95.70): VU036529.D (-1590) (-)

Ion 174.00 (173.70 to 174.70): VU036529.D (-1590) (-)

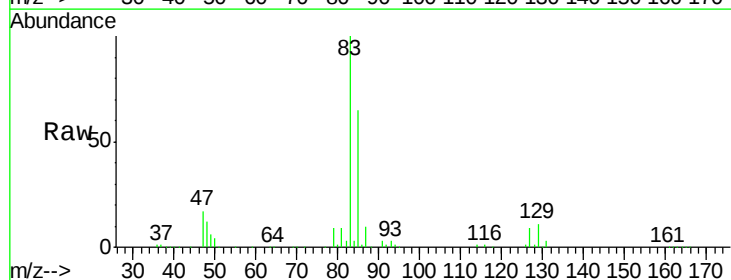


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#44
Bromodichloromethane
Concen: 17.497 ug/l
RT: 7.14 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VU036529.D
Acq: 22 Jan 2020 16:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.8	77.6
127	8.6	6.8	10.2

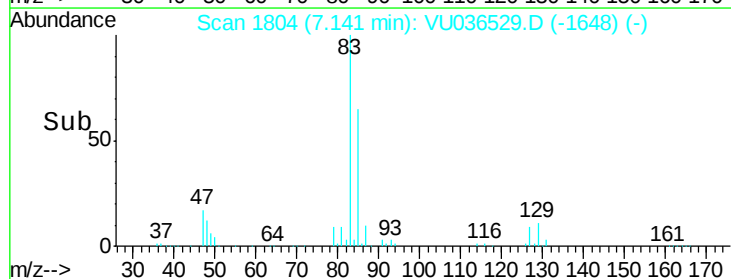
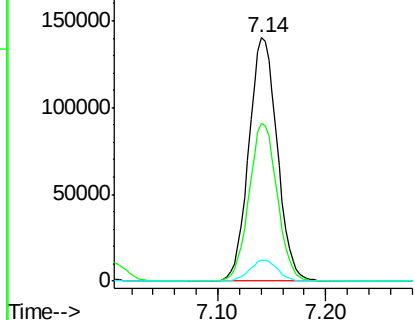


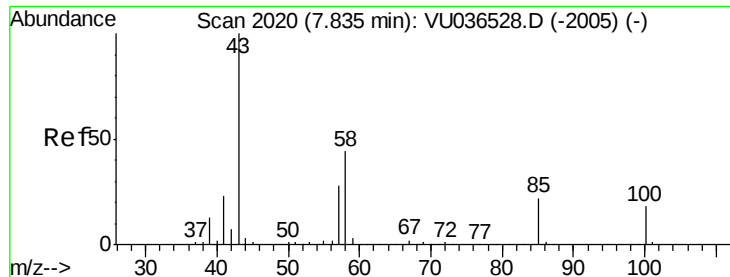
Abundance

Ion 83.00 (82.70 to 83.70): VU036528.D (-1789) (-)

Ion 85.00 (84.70 to 85.70): VU036529.D (-1648) (-)

Ion 127.00 (126.70 to 127.70): VU036529.D (-1648) (-)



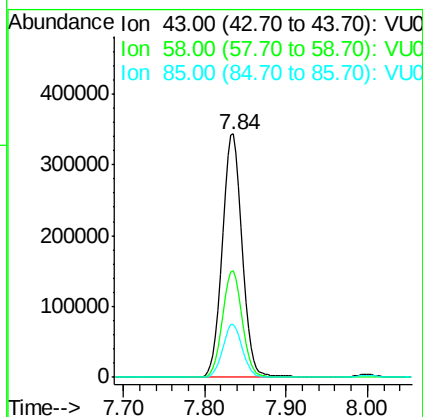
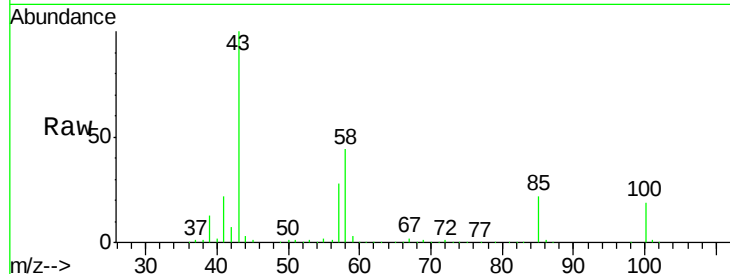


#45
4-Methyl-2-Pentanone
Concen: 76.002 ug/l
RT: 7.84 min Scan# 2020
Delta R.T. 0.00 min
Lab File: VU036529.D
Acq: 22 Jan 2020 16:40

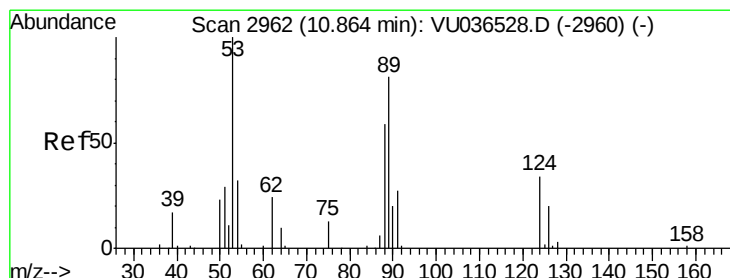
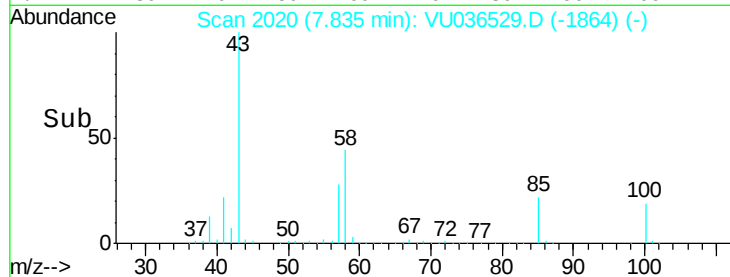
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
58	43.9	22.1	66.1	
85	21.5	17.4	26.0	

Manual Integrations
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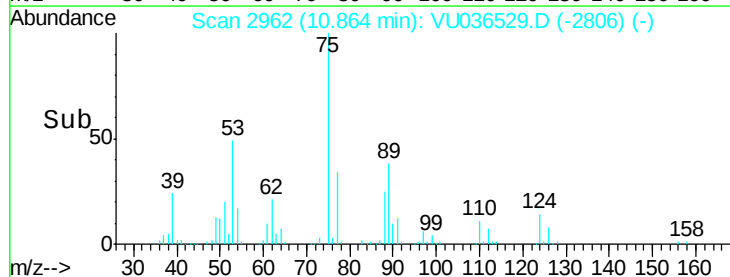
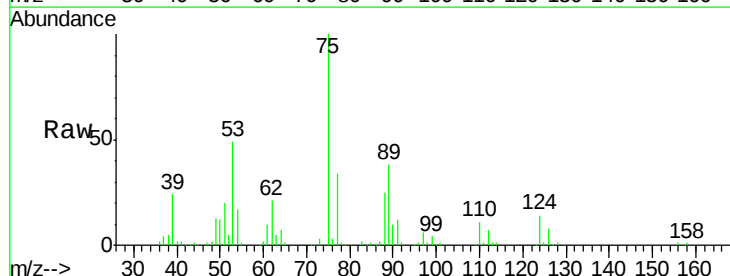
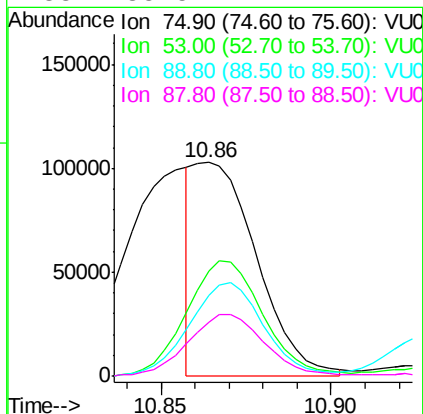


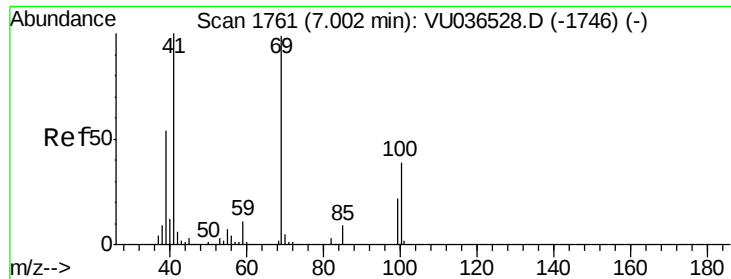
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#46
t-1,4-Dichloro-2-butene
Concen: 41.184 ug/l m
RT: 10.86 min Scan# 2962
Delta R.T. 0.00 min
Lab File: VU036529.D
Acq: 22 Jan 2020 16:40

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
53	66.2	52.2	78.2	
89	52.3	39.8	59.6	
88	35.5	27.4	41.2	





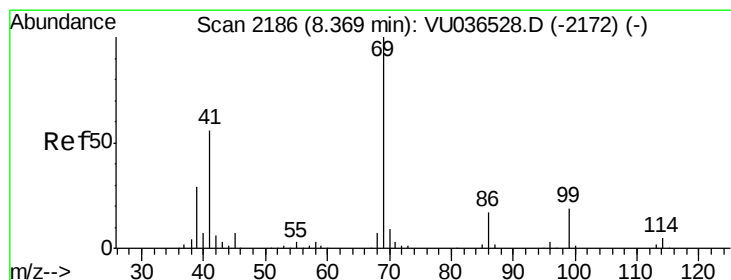
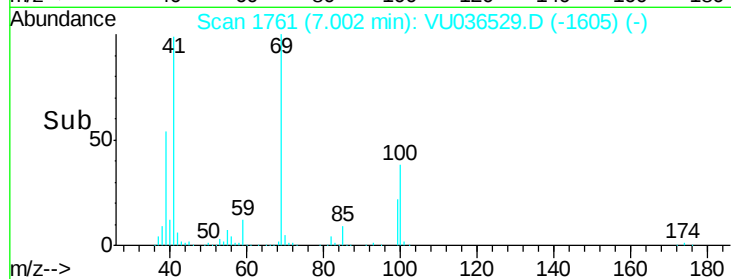
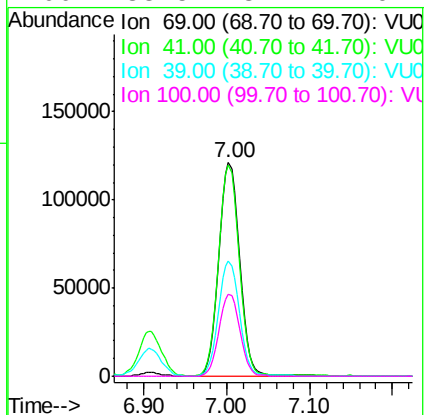
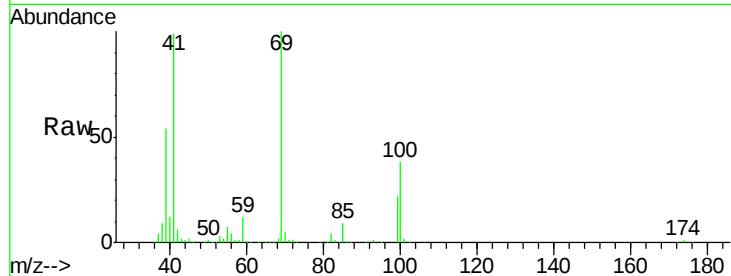
#47
Methyl methacrylate
Concen: 39.093 ug/l
RT: 7.00 min Scan# 1761
Delta R.T. 0.00 min
Lab File: VU036529.D
Acq: 22 Jan 2020 16:40

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
69	100		211509		
41	97.3	0.0	200.8		
39	53.2	43.5	65.3		
100	38.5	31.1	46.7		

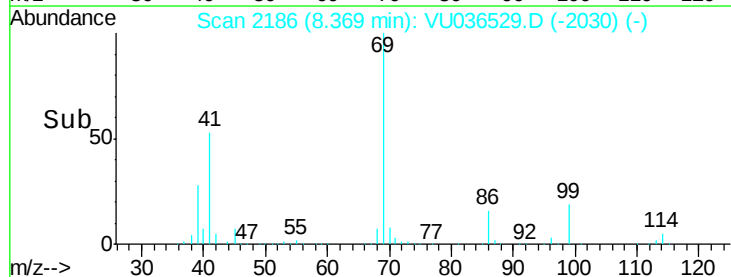
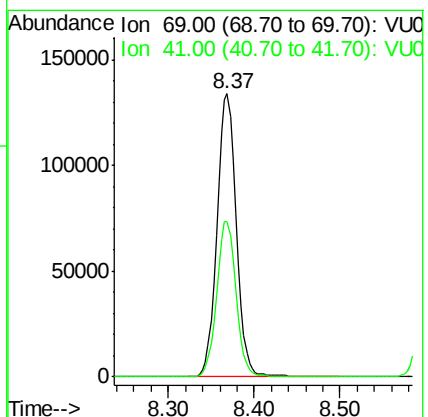
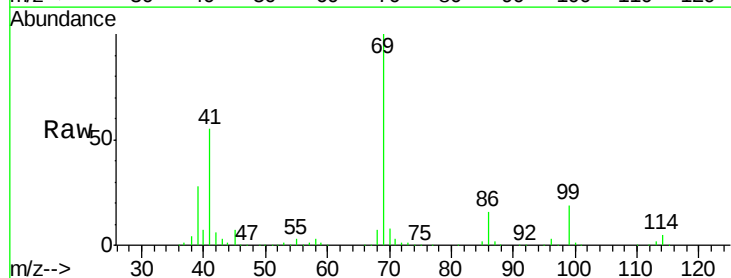
Manual Integrations
APPROVED

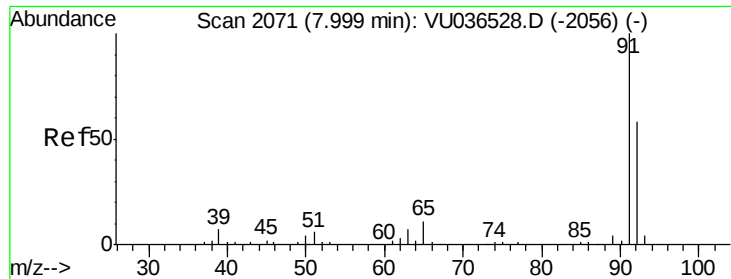
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#48
Ethyl methacrylate
Concen: 19.607 ug/l
RT: 8.37 min Scan# 2186
Delta R.T. 0.00 min
Lab File: VU036529.D
Acq: 22 Jan 2020 16:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		209675		
41	55.0	27.9	83.6		





#49

Toluene

Concen: 19.797 ug/l

RT: 8.00 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VU036529.D

Acq: 22 Jan 2020 16:40

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

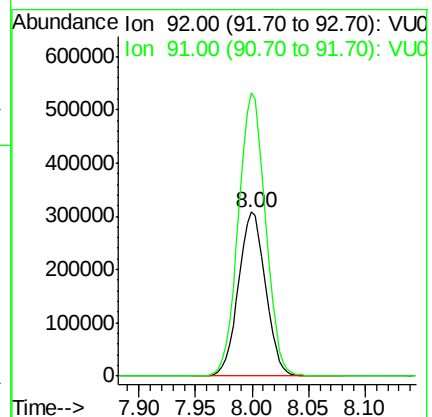
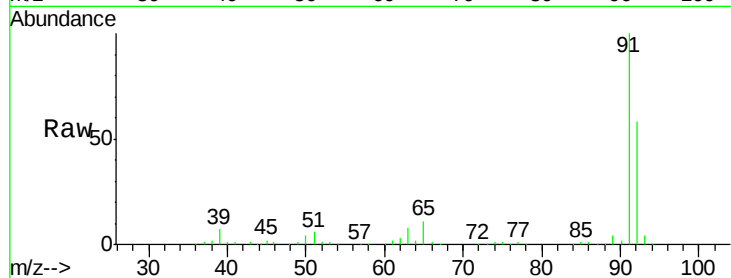
Tot Ion: 92 Resp: 516497

Ion Ratio Lower Upper

92 100

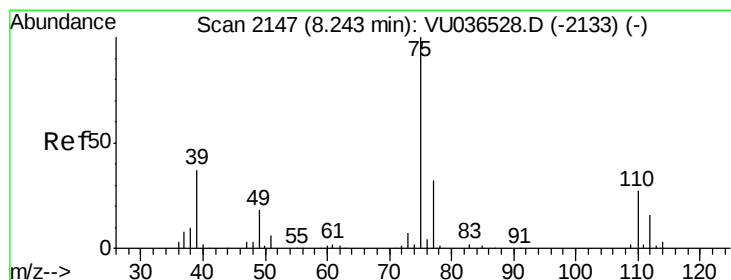
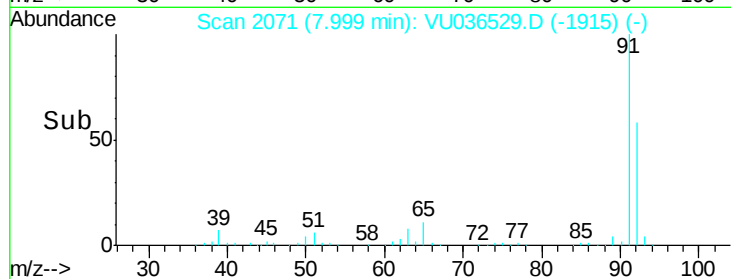
91 172.6 139.1 208.7

Manual Integrations
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#50

t-1,3-Dichloropropene

Concen: 18.453 ug/l

RT: 8.24 min Scan# 2146

Delta R.T. -0.00 min

Lab File: VU036529.D

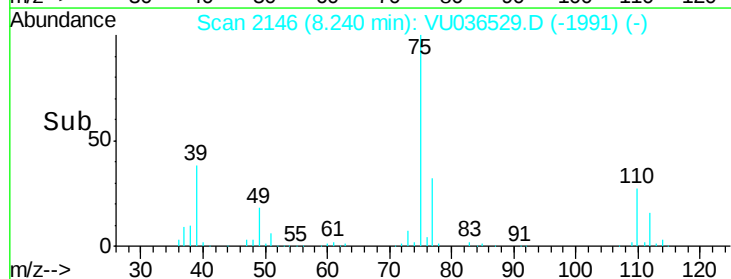
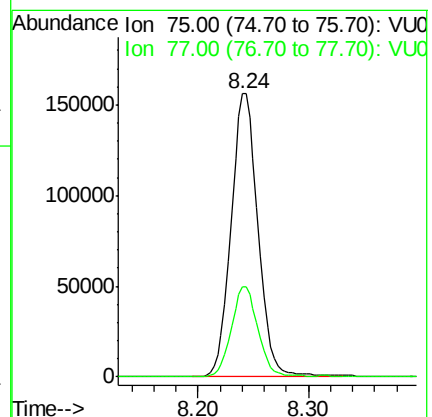
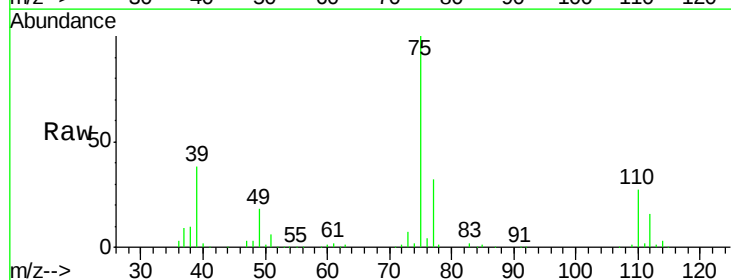
Acq: 22 Jan 2020 16:40

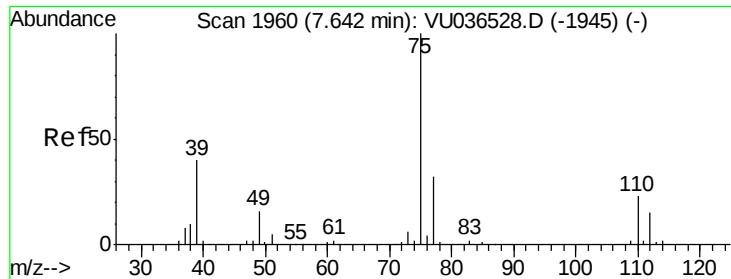
Tgt Ion: 75 Resp: 264441

Ion Ratio Lower Upper

75 100

77 31.7 25.4 38.2





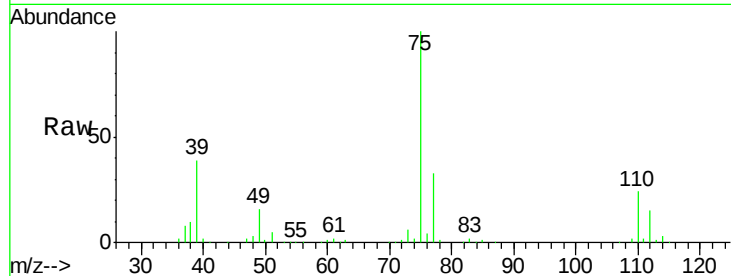
#51

cis-1,3-Dichloropropene
Concen: 19.054 ug/l
RT: 7.64 min Scan# 1960
Delta R.T. 0.00 min
Lab File: VU036529.D
Acq: 22 Jan 2020 16:40

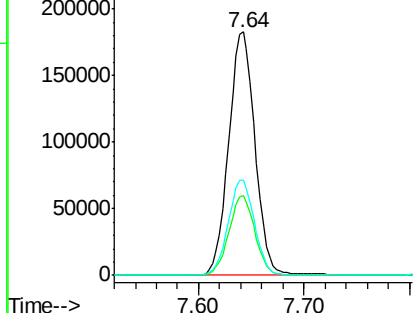
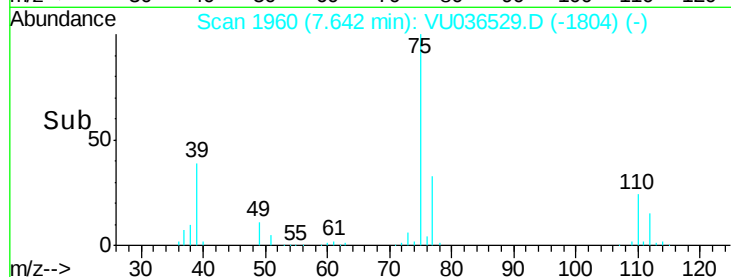
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion:	75	Resp:	315589
Ion	Ratio	Lower	Upper
75	100		
77	32.6	25.3	37.9
39	39.1	31.8	47.6

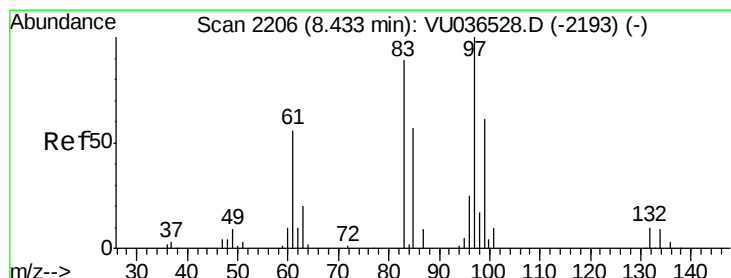
Manual Integrations
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Abundance Ion 75.00 (74.70 to 75.70): VU036529.D (-1804) (-)
Ion 77.00 (76.70 to 77.70): VU036529.D (-1804) (-)
Ion 39.00 (38.70 to 39.70): VU036529.D (-1804) (-)



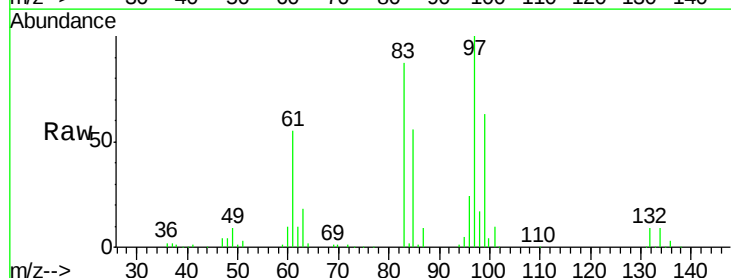
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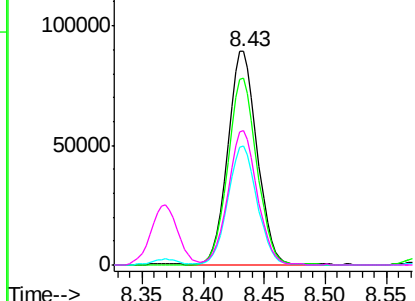
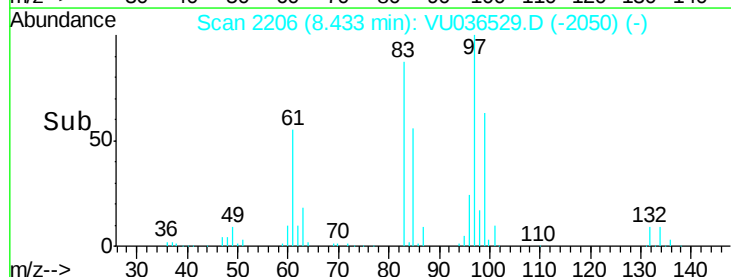
#52

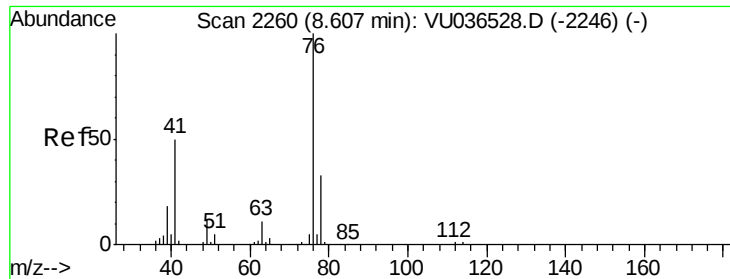
1,1,2-Trichloroethane
Concen: 19.831 ug/l
RT: 8.43 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VU036529.D
Acq: 22 Jan 2020 16:40

Tgt Ion:	97	Resp:	149187
Ion	Ratio	Lower	Upper
97	100		
83	87.6	70.9	106.3
85	55.8	45.6	68.4
99	63.1	51.0	76.4



Abundance Ion 97.00 (96.70 to 97.70): VU036529.D (-2050) (-)
Ion 82.95 (82.65 to 83.65): VU036529.D (-2050) (-)
Ion 84.95 (84.65 to 85.65): VU036529.D (-2050) (-)
Ion 98.95 (98.65 to 99.65): VU036529.D (-2050) (-)



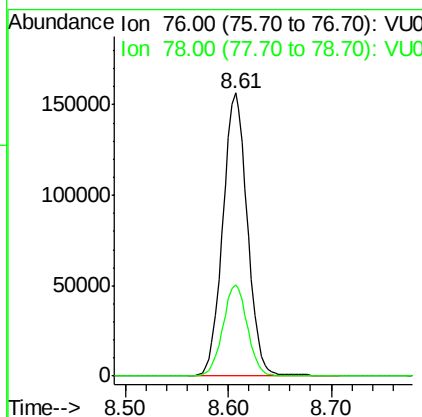
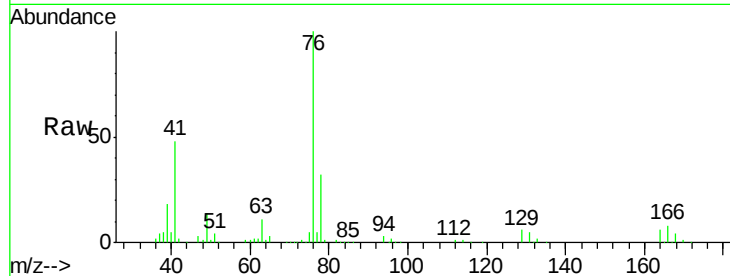


#53
 1,3-Dichloropropane
 Concen: 18.530 ug/l
 RT: 8.61 min Scan# 2260
 Delta R.T. 0.00 min
 Lab File: VU036529.D
 Acq: 22 Jan 2020 16:40

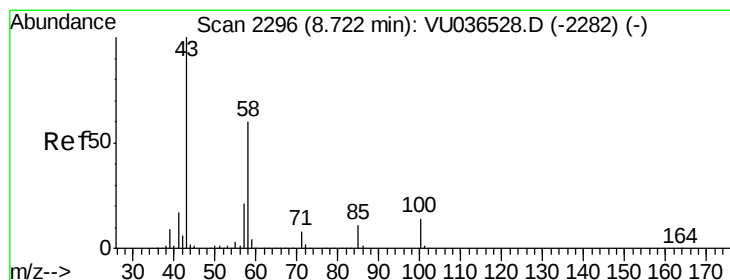
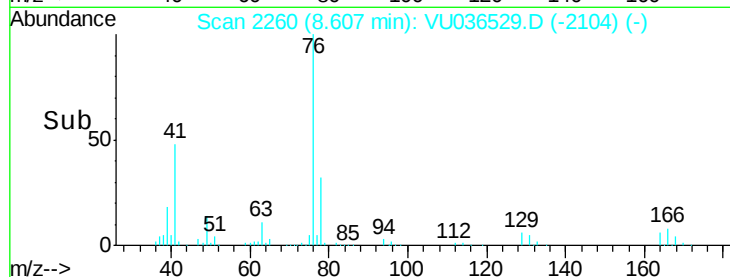
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.4	38.2

Manual Integrations
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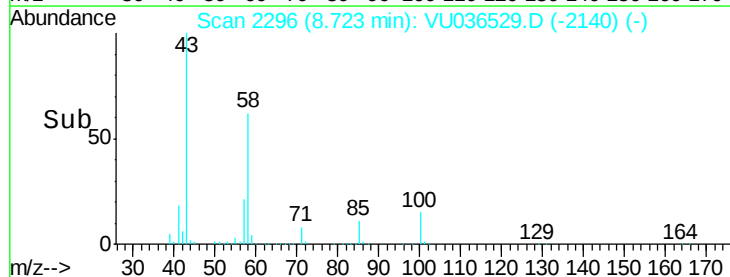
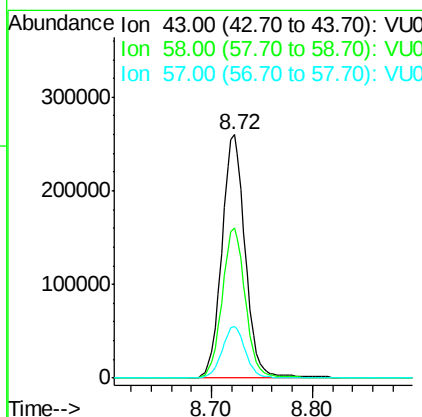
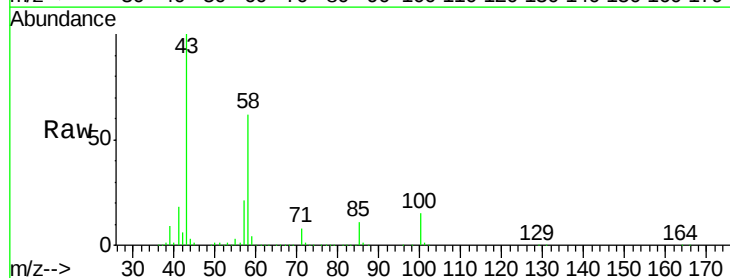


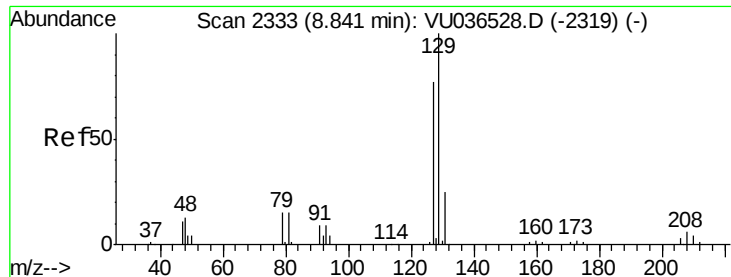
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#54
 2-Hexanone
 Concen: 77.780 ug/l
 RT: 8.72 min Scan# 2296
 Delta R.T. 0.00 min
 Lab File: VU036529.D
 Acq: 22 Jan 2020 16:40

Tgt Ion	Ratio	Lower	Upper
43	100		
58	62.2	40.6	80.6
57	21.2	1.2	41.2



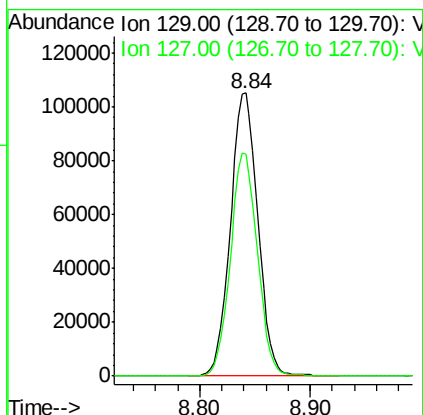
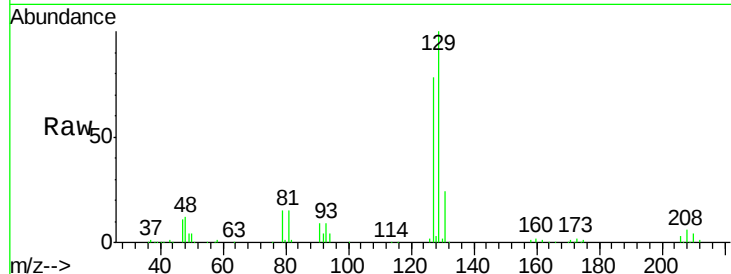


#55
 Dibromochloromethane
 Concen: 20.630 ug/l
 RT: 8.84 min Scan# 2333
 Delta R.T. 0.00 min
 Lab File: VU036529.D
 Acq: 22 Jan 2020 16:40

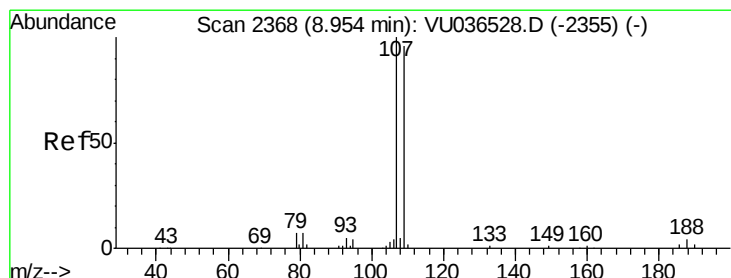
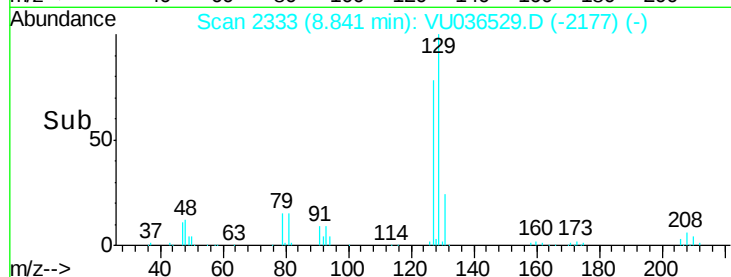
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
129	100			
127	77.5	62.6	94.0	

Manual Integrations
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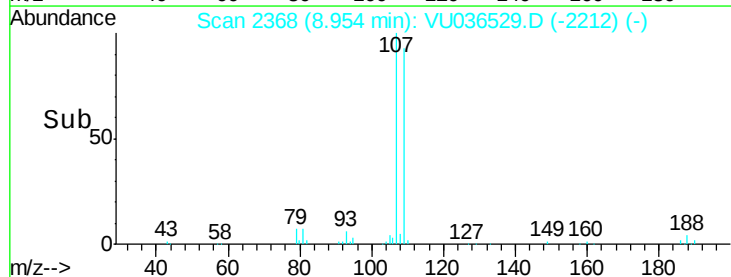
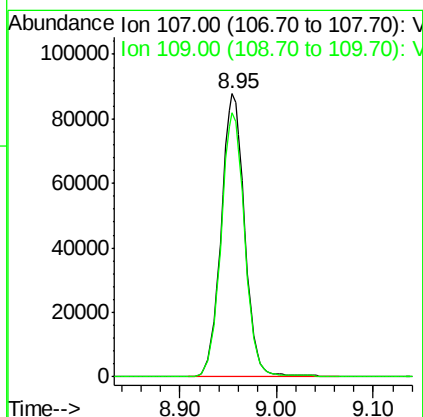
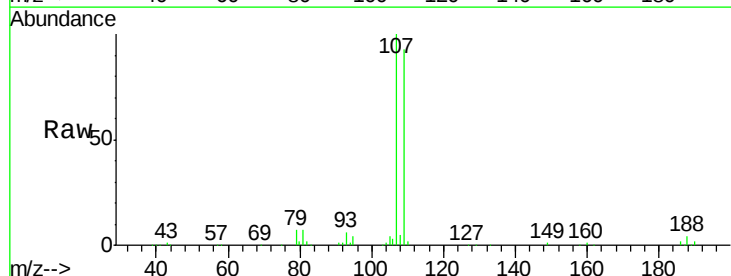


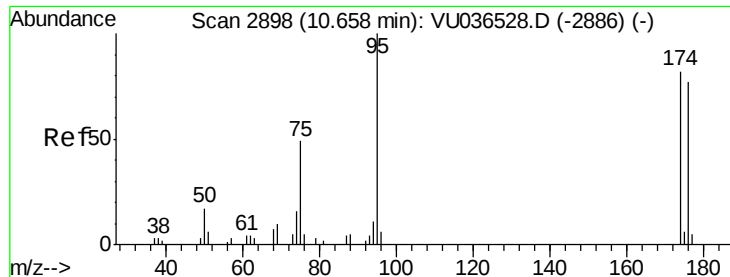
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#56
 1,2-Dibromoethane
 Concen: 19.908 ug/l
 RT: 8.95 min Scan# 2368
 Delta R.T. 0.00 min
 Lab File: VU036529.D
 Acq: 22 Jan 2020 16:40

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
109	94.4	0.0	190.8	





#57

4-Bromofluorobenzene

Concen: 0.935 ug/l

RT: 10.65 min Scan# 2897

Delta R.T. -0.00 min

Lab File: VU036529.D

Acq: 22 Jan 2020 16:40

Instrument :

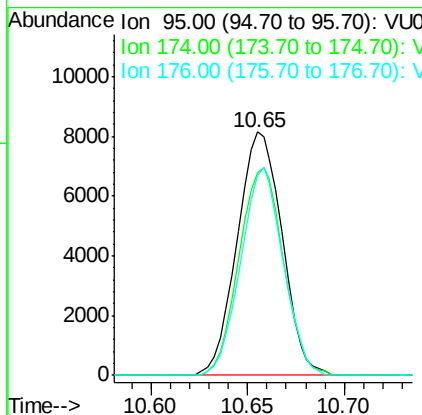
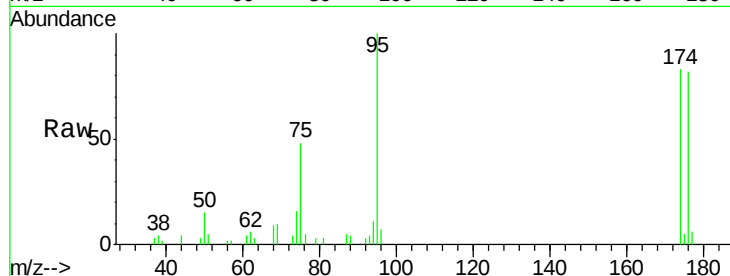
MSVOA_U

ClientSampleId :

VSTDIC020

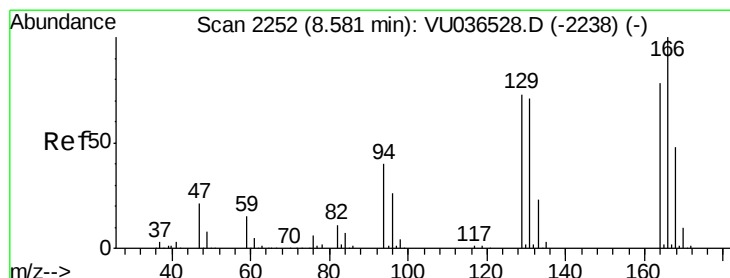
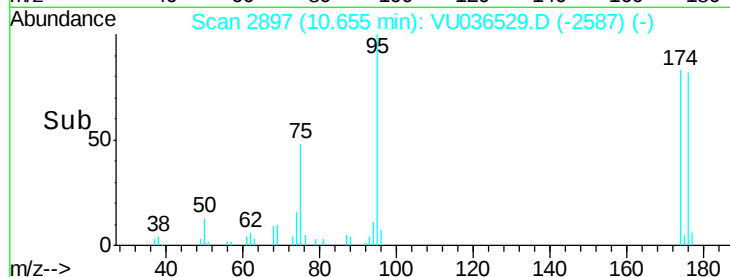
Tot Ion:	95	Resp:	13145
Ion Ratio	Lower	Upper	
95	100		
174	84.3	64.7	97.1
176	80.5	60.6	91.0

Manual Integrations
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#58

Tetrachloroethene

Concen: 26.878 ug/l

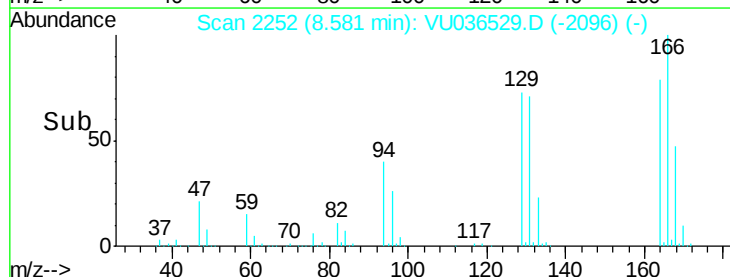
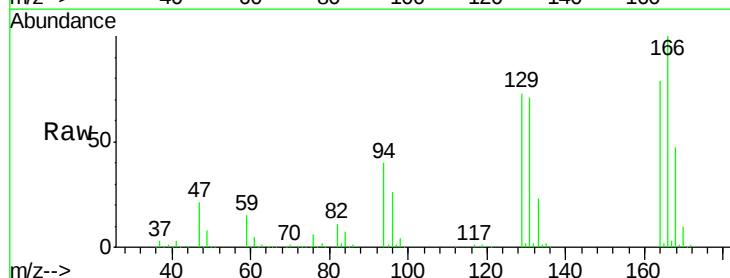
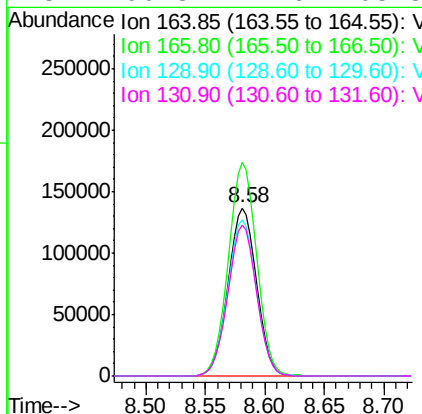
RT: 8.58 min Scan# 2252

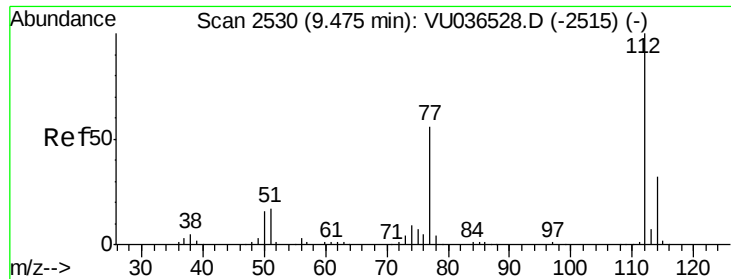
Delta R.T. 0.00 min

Lab File: VU036529.D

Acq: 22 Jan 2020 16:40

Tgt Ion:	164	Resp:	226779
Ion Ratio	Lower	Upper	
164	100		
166	127.2	102.0	153.0
129	93.3	74.9	112.3
131	90.3	72.6	108.8



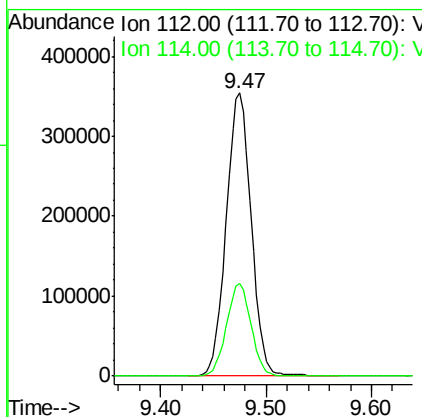
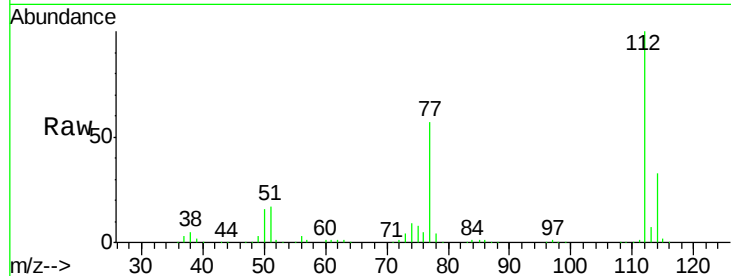


#59
Chlorobenzene
Concen: 21.052 ug/l
RT: 9.47 min Scan# 2530
Delta R.T. 0.00 min
Lab File: VU036529.D
Acq: 22 Jan 2020 16:40

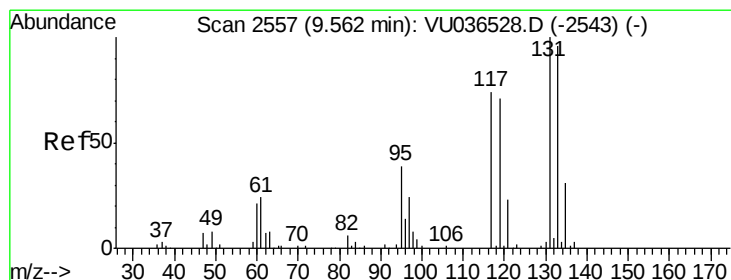
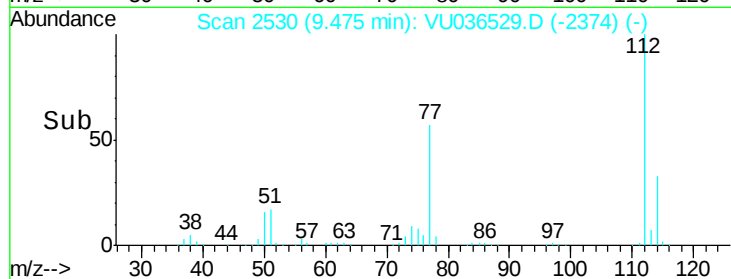
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion:112 Resp: 579759
Ion Ratio Lower Upper
112 100
114 32.5 25.8 38.8

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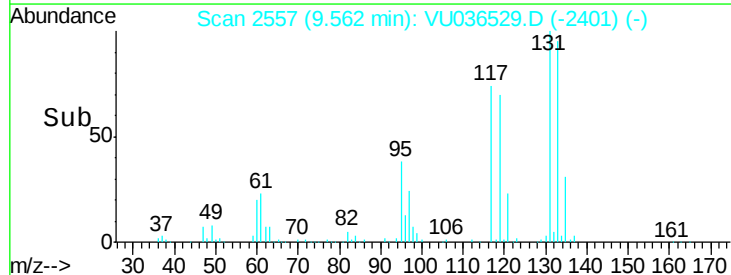
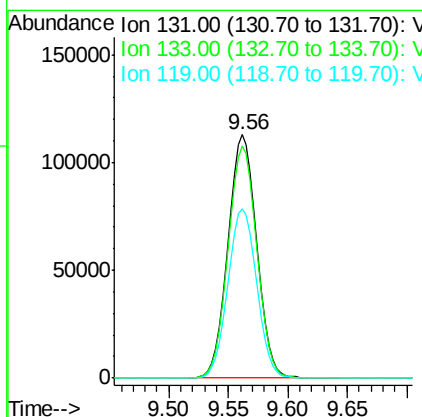
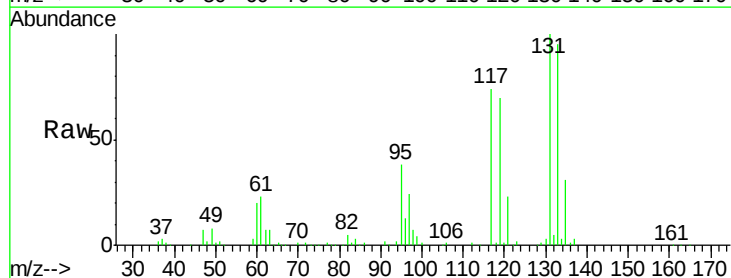


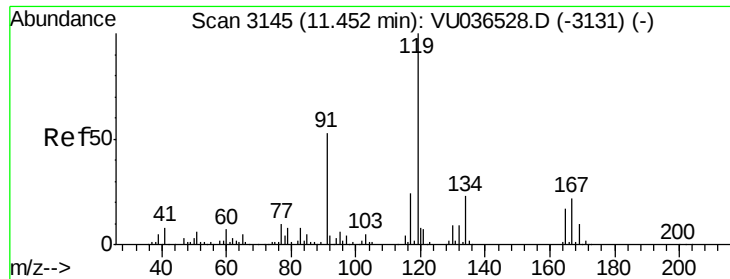
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#60
1,1,1,2-Tetrachloroethane
Concen: 20.250 ug/l
RT: 9.56 min Scan# 2557
Delta R.T. 0.00 min
Lab File: VU036529.D
Acq: 22 Jan 2020 16:40

Tgt Ion:131 Resp: 188843
Ion Ratio Lower Upper
131 100
133 95.7 76.4 114.6
119 70.1 56.6 85.0





#61

Pentachloroethane

Concen: 15.169 ug/l

RT: 11.45 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VU036529.D

Acq: 22 Jan 2020 16:40

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

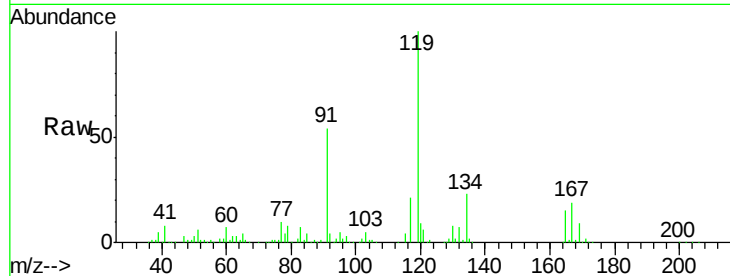
Tot Ion:117 Resp: 116376

Ion Ratio Lower Upper

117 100

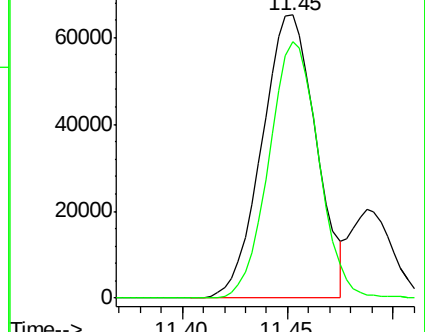
167 83.1 66.7 100.1

Manual Integrations
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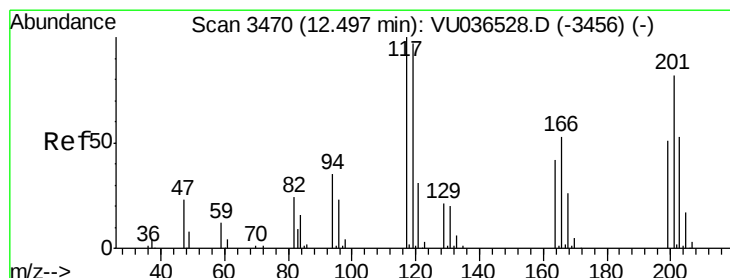
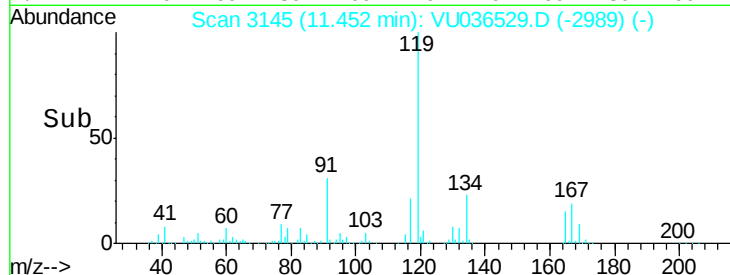
Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V



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#62

Hexachloroethane

Concen: 20.309 ug/l

RT: 12.49 min Scan# 3469

Delta R.T. -0.00 min

Lab File: VU036529.D

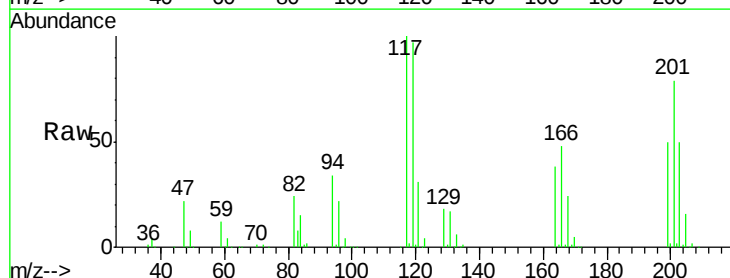
Acq: 22 Jan 2020 16:40

Tgt Ion:117 Resp: 163602

Ion Ratio Lower Upper

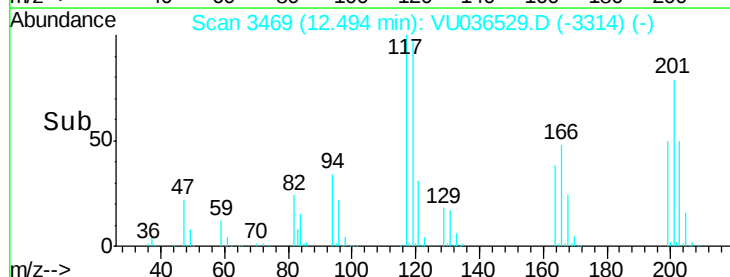
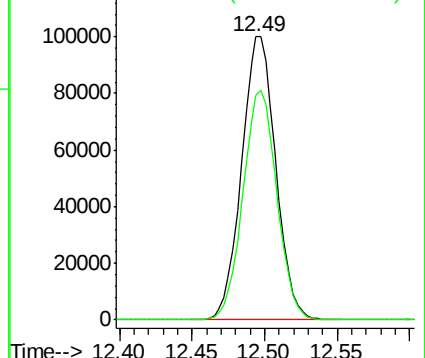
117 100

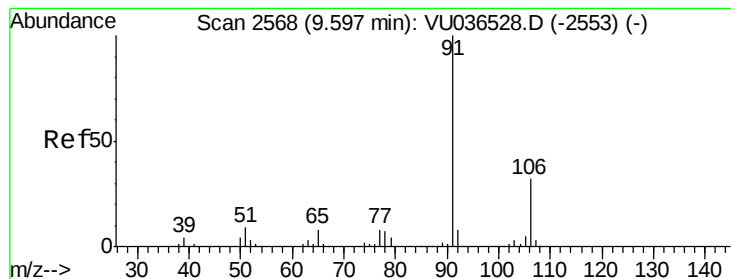
201 80.6 65.0 97.4



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V





#63

Ethyl Benzene

Concen: 19.472 ug/l

RT: 9.60 min Scan# 2568

Delta R.T. 0.00 min

Lab File: VU036529.D

Acq: 22 Jan 2020 16:40

Tot Ion: 91 Resp: 975135

Ion Ratio Lower Upper

91 100

106 32.1 26.0 39.0

Instrument :

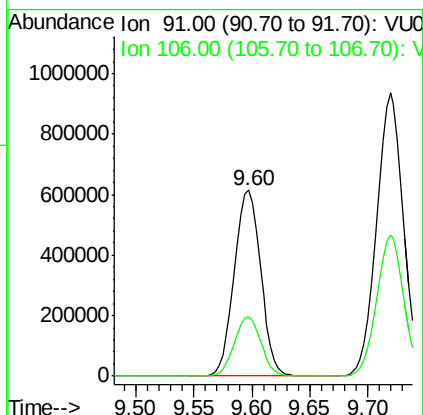
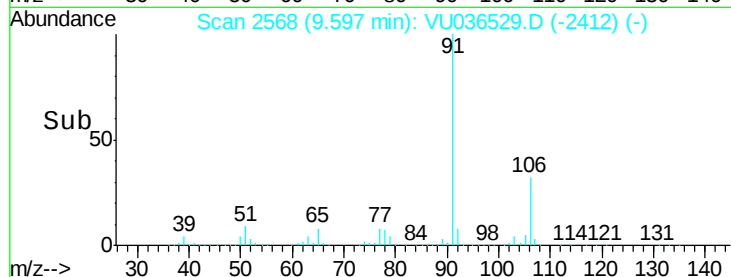
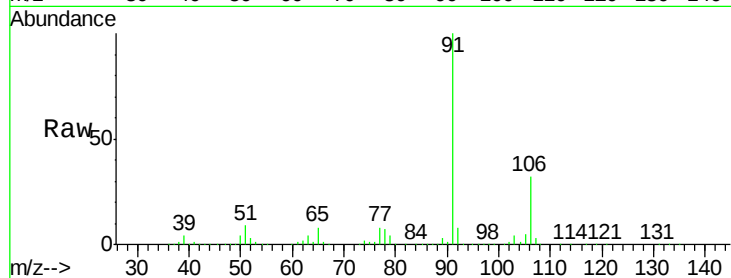
MSVOA_U

ClientSampled :

VSTDIC020

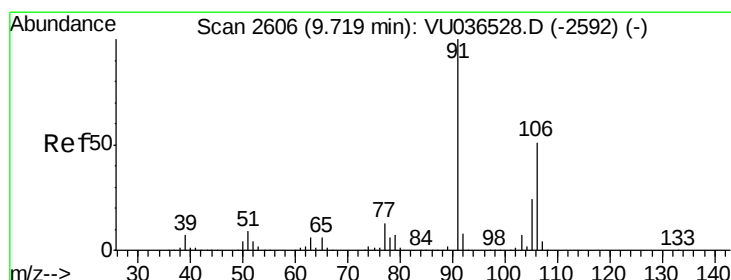
Manual Integrations

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#64

m/p-Xylenes

Concen: 41.199 ug/l

RT: 9.72 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VU036529.D

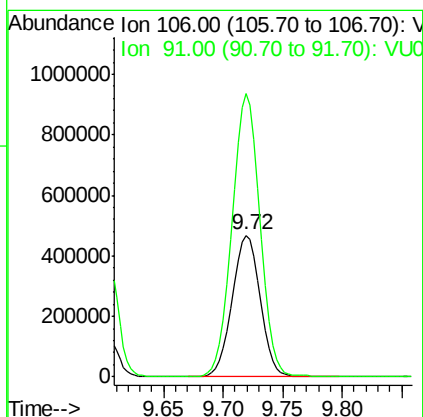
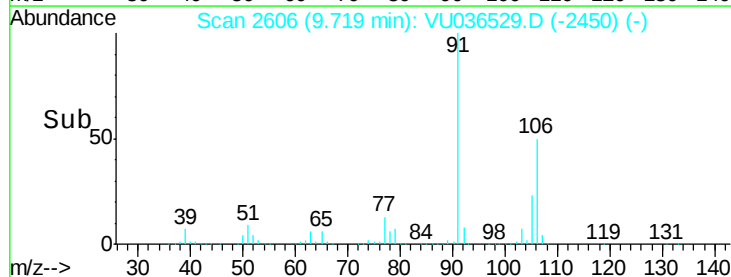
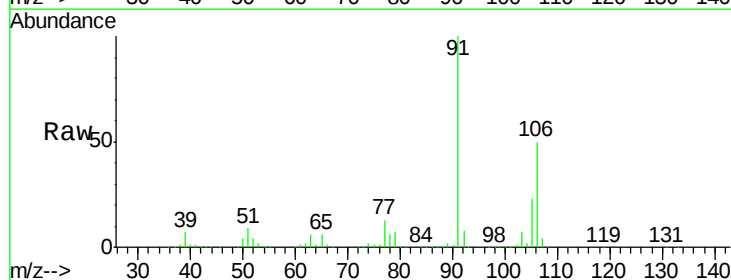
Acq: 22 Jan 2020 16:40

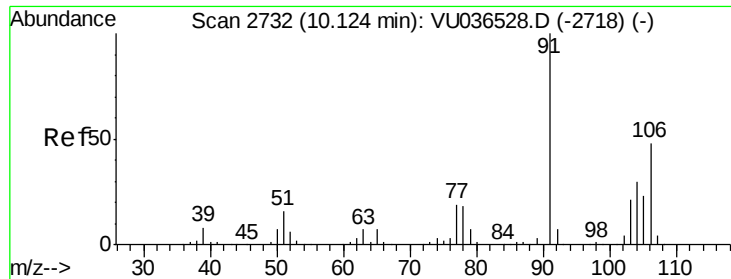
Tgt Ion: 106 Resp: 762917

Ion Ratio Lower Upper

106 100

91 200.6 158.2 237.4



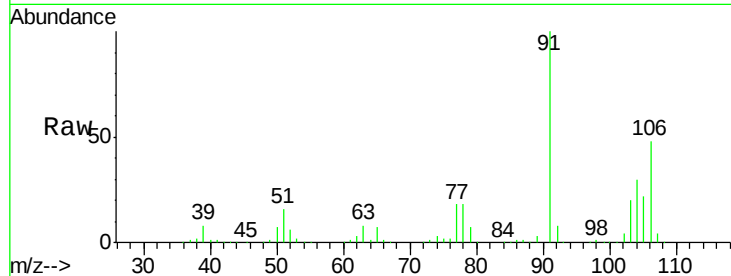


#65
o-Xylene
Concen: 20.501 ug/l
RT: 10.12 min Scan# 2732
Delta R.T. 0.00 min
Lab File: VU036529.D
Acq: 22 Jan 2020 16:40

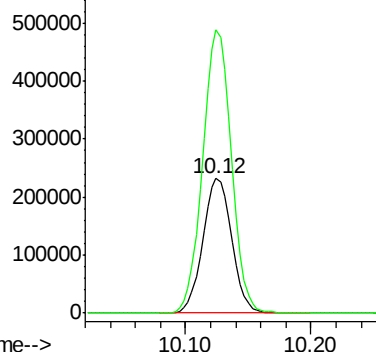
Instrument :
MSVOA_U
ClientSampled :
VSTDIC020

Tot Ion:106 Resp: 370565
Ion Ratio Lower Upper
106 100
91 209.2 104.3 312.9

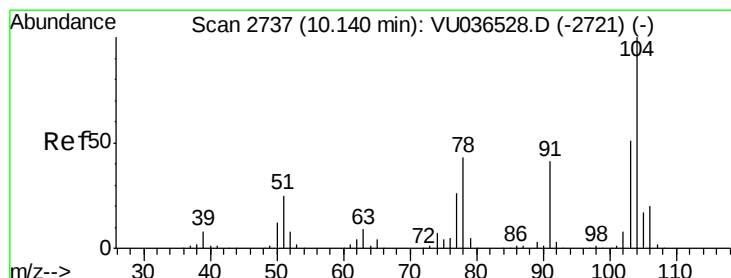
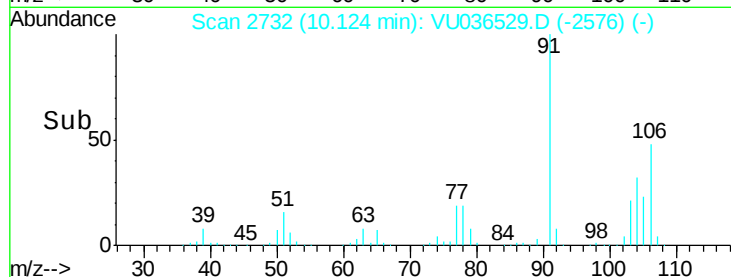
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Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

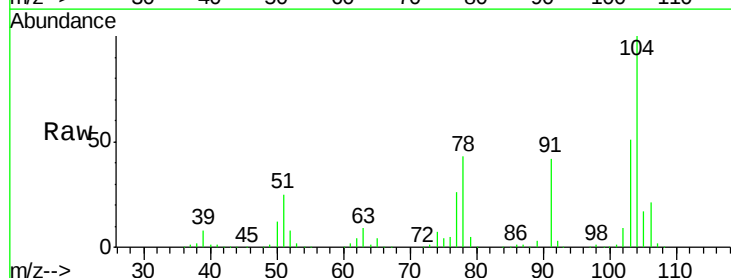


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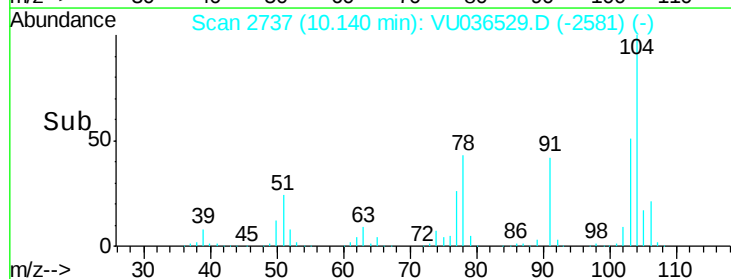
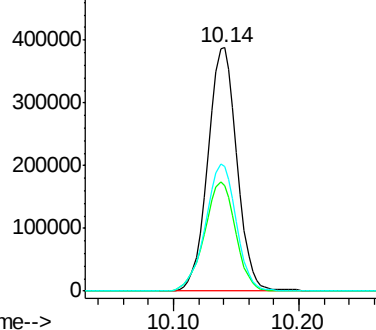


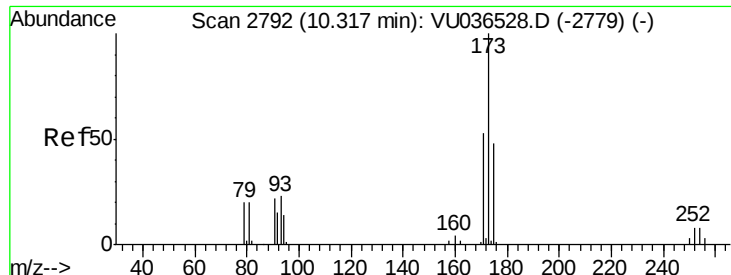
#66
Styrene
Concen: 20.975 ug/l
RT: 10.14 min Scan# 2737
Delta R.T. 0.00 min
Lab File: VU036529.D
Acq: 22 Jan 2020 16:40

Tgt Ion:104 Resp: 625659
Ion Ratio Lower Upper
104 100
78 48.4 38.6 57.8
103 55.5 44.4 66.6



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



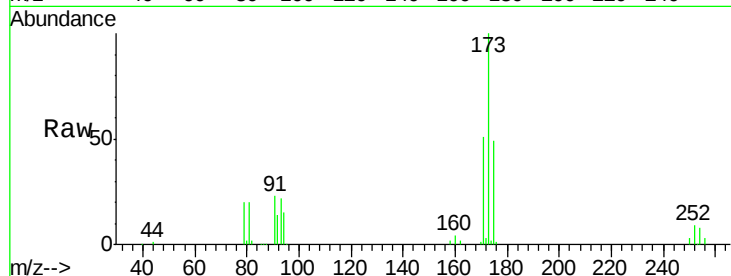


#67
Bromoform
Concen: 24.431 ug/l
RT: 10.32 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VU036529.D
Acq: 22 Jan 2020 16:40

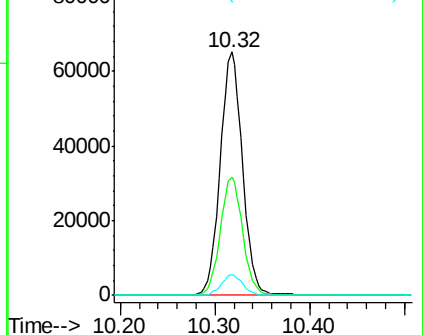
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	38.3	57.5
254	8.1	6.6	9.8

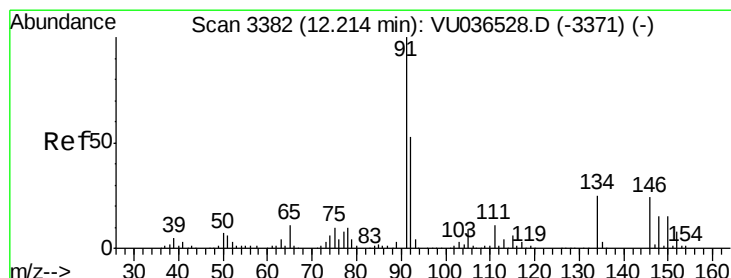
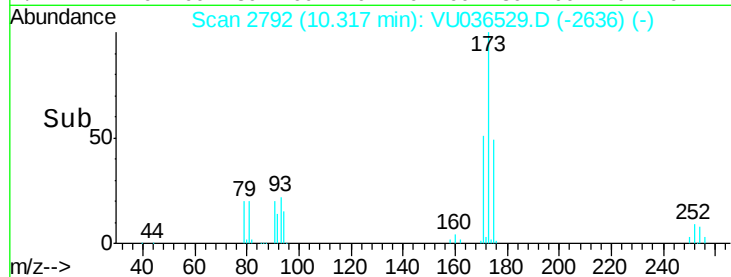
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Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V

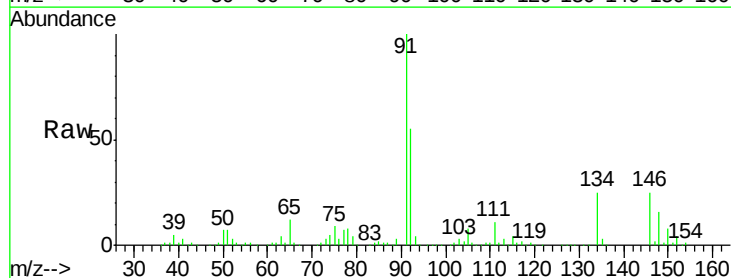


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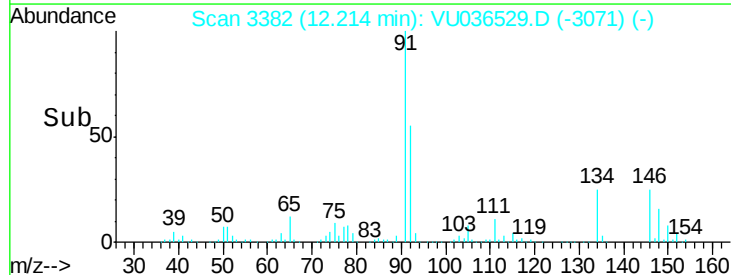
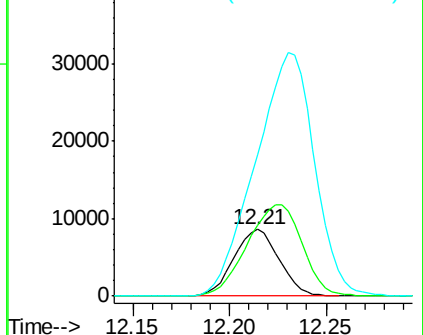


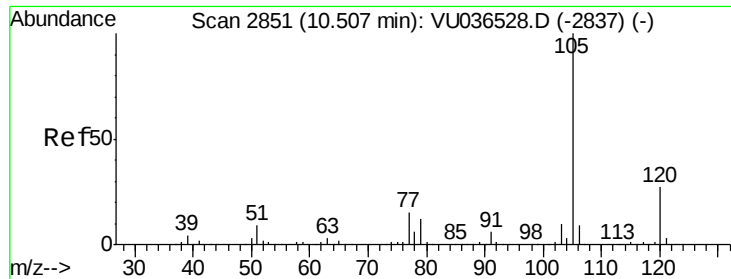
#68
1,2-Dichlorobenzene-d4
Concen: 1.135 ug/l
RT: 12.21 min Scan# 3382
Delta R.T. 0.00 min
Lab File: VU036529.D
Acq: 22 Jan 2020 16:40

Tgt Ion	Ratio	Lower	Upper
152	100		
115	166.6	0.0	241.8
150	478.4	0.0	652.4



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





#69

Isopropylbenzene

Concen: 20.169 ug/l

RT: 10.51 min Scan# 2851

Delta R.T. 0.00 min

Lab File: VU036529.D

Acq: 22 Jan 2020 16:40

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

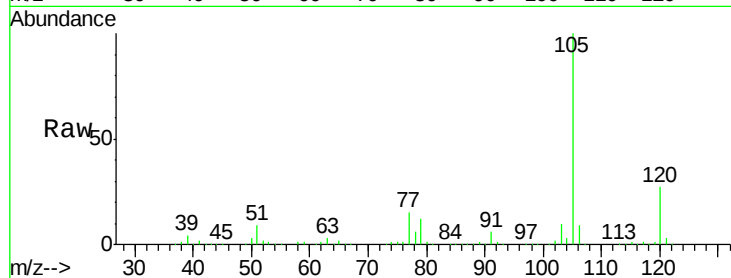
Tot Ion:105 Resp: 979956

Ion Ratio Lower Upper

105 100

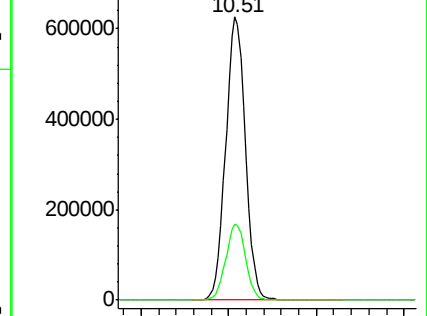
120 27.1 13.6 40.7

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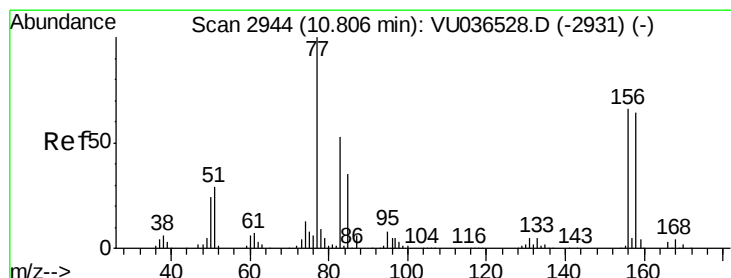
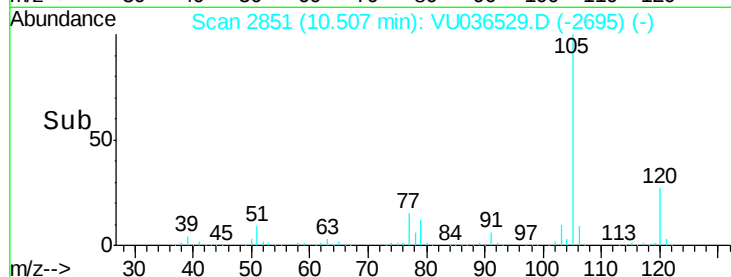
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



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#70

1,1,2,2-Tetrachloroethane

Concen: 19.041 ug/l

RT: 10.81 min Scan# 2944

Delta R.T. 0.00 min

Lab File: VU036529.D

Acq: 22 Jan 2020 16:40

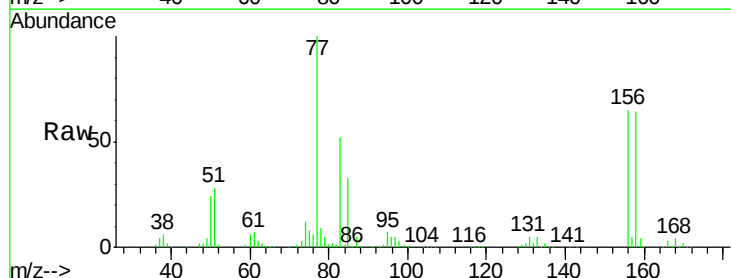
Tgt Ion: 83 Resp: 192972

Ion Ratio Lower Upper

83 100

131 9.8 7.8 11.8

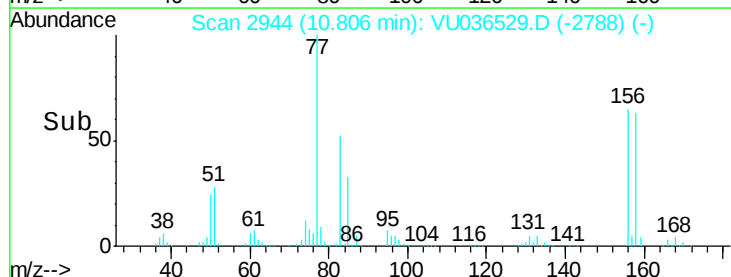
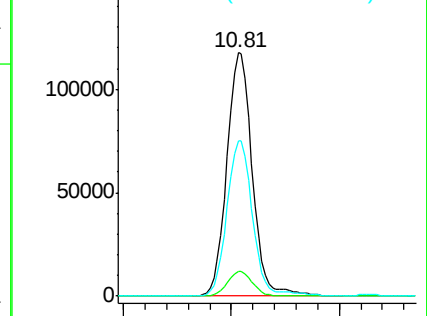
85 64.8 53.2 79.8

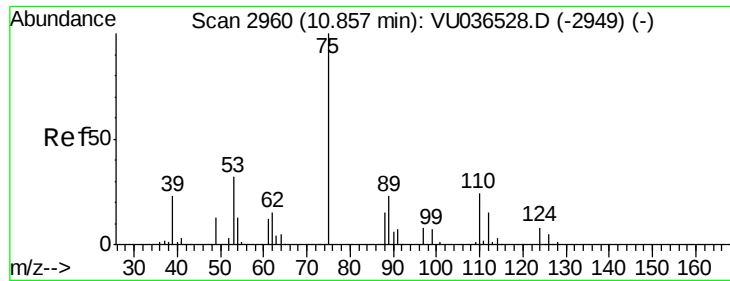


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0





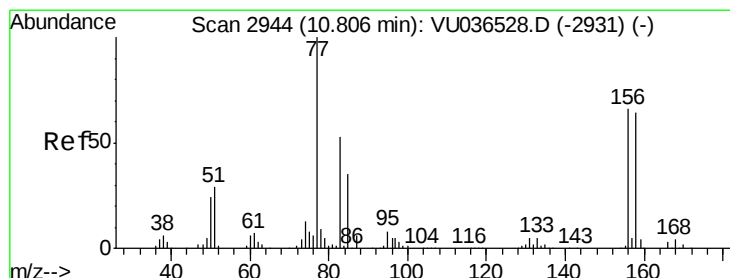
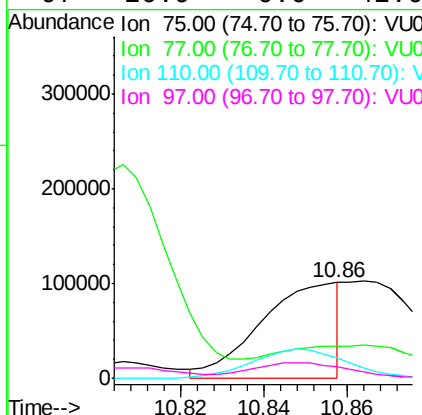
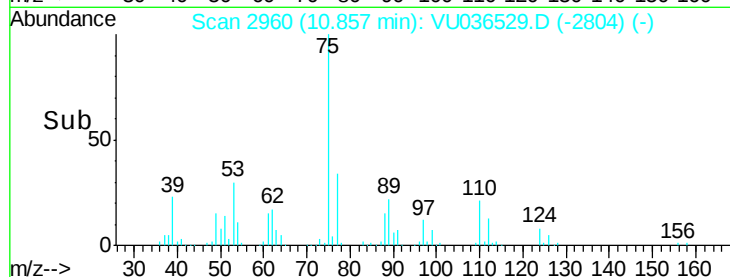
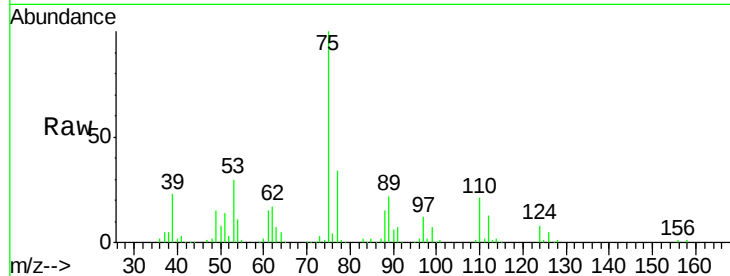
#71
1,2,3-Trichloropropane
Concen: 17.103 ug/l m
RT: 10.86 min Scan# 2960
Delta R.T. 0.00 min
Lab File: VU036529.D
Acq: 22 Jan 2020 16:40

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
75	75	100		
77	77	63.9	0.0	129.6
110	110	37.6	0.0	77.4
97	97	20.9	0.0	42.0

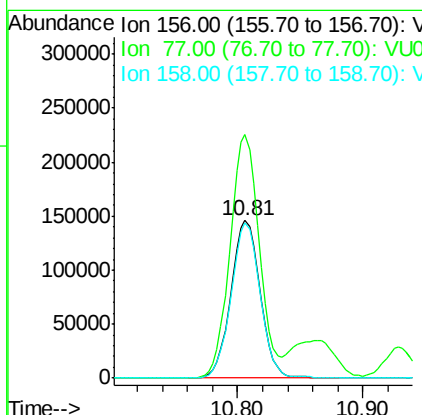
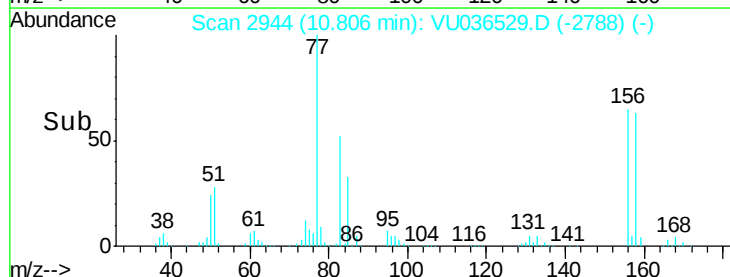
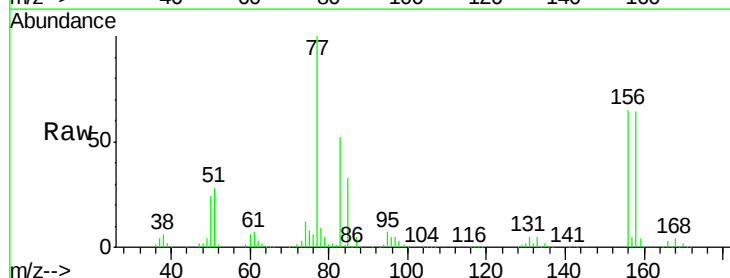
Manual Integrations
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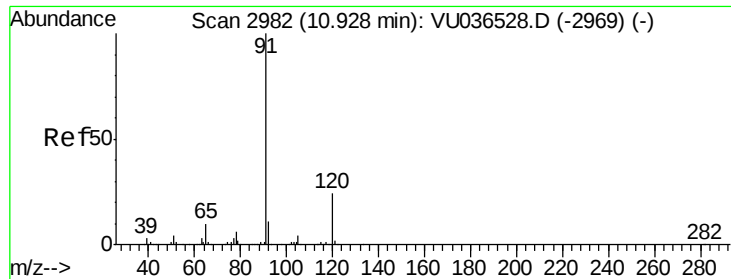
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#72
Bromobenzene
Concen: 23.032 ug/l
RT: 10.81 min Scan# 2944
Delta R.T. 0.00 min
Lab File: VU036529.D
Acq: 22 Jan 2020 16:40

Tgt Ion	Ion	Ratio	Lower	Upper
156	156	100		
77	77	154.4	0.0	306.6
158	158	97.3	0.0	192.0





#73

n-propylbenzene

Concen: 21.473 ug/l

RT: 10.93 min Scan# 2982

Delta R.T. 0.00 min

Lab File: VU036529.D

Acq: 22 Jan 2020 16:40

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

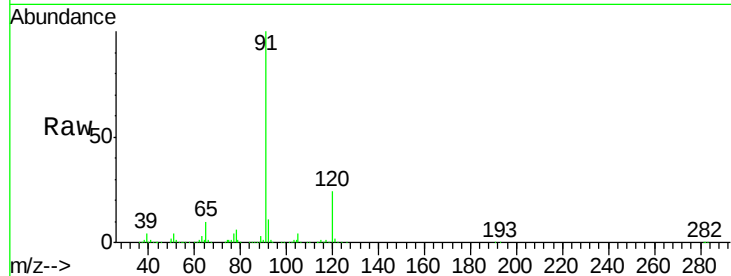
Tot Ion:120 Resp: 279774

Ion Ratio Lower Upper

120 100

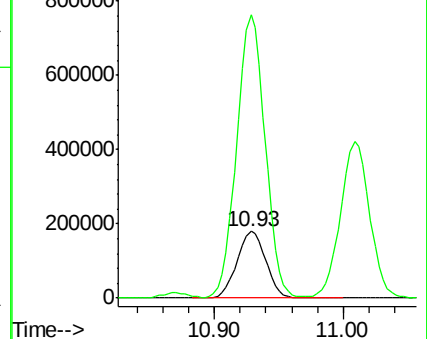
91 413.7 329.5 494.3

Manual Integrations
APPROVED



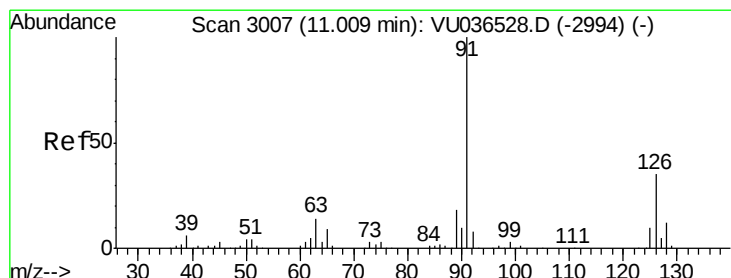
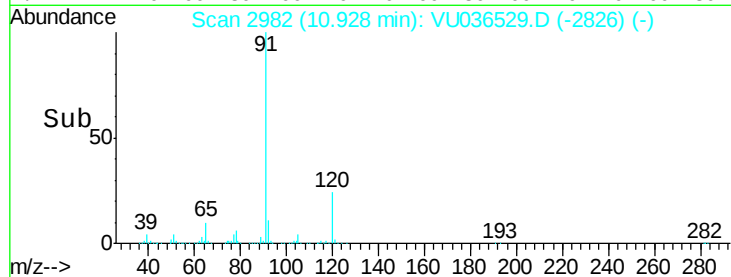
Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



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#74

2-Chlorotoluene

Concen: 20.624 ug/l

RT: 11.01 min Scan# 3007

Delta R.T. 0.00 min

Lab File: VU036529.D

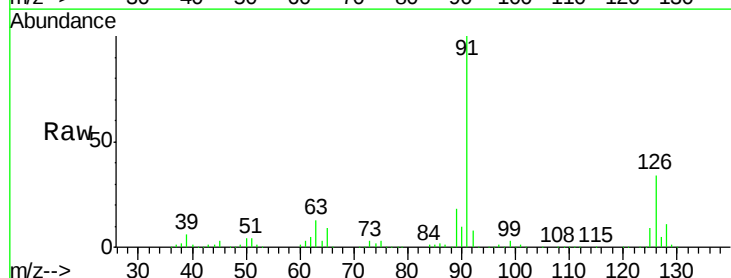
Acq: 22 Jan 2020 16:40

Tgt Ion:126 Resp: 230433

Ion Ratio Lower Upper

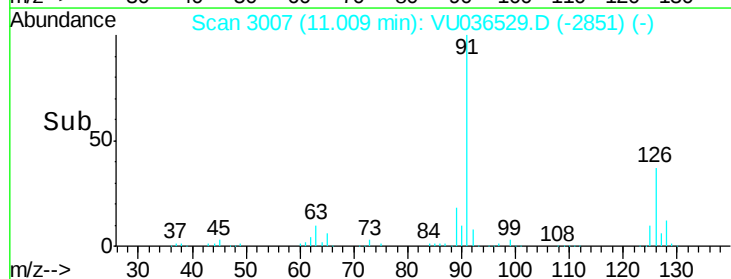
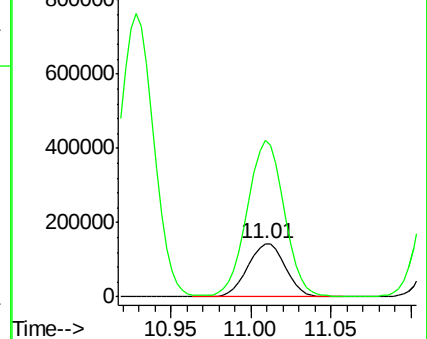
126 100

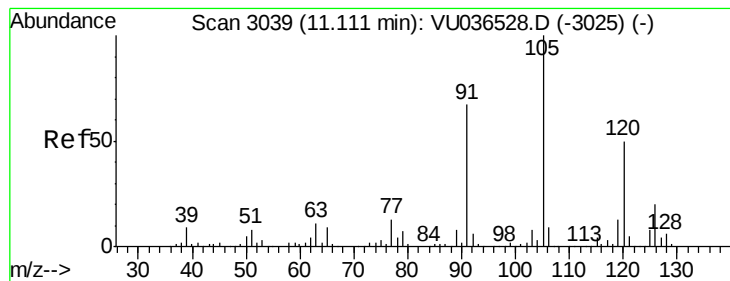
91 285.4 0.0 567.4



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: 20.198 ug/l

RT: 11.11 min Scan# 3039

Delta R.T. 0.00 min

Lab File: VU036529.D

Acq: 22 Jan 2020 16:40

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

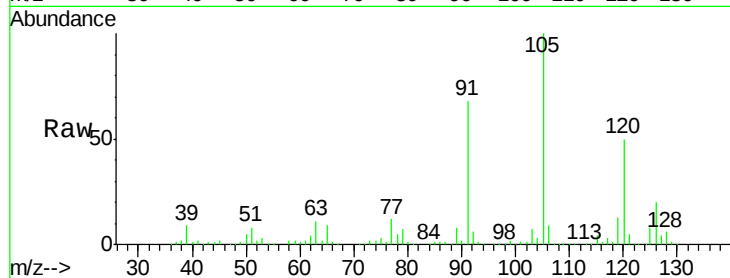
Tot Ion:105 Resp: 832859

Ion Ratio Lower Upper

105 100

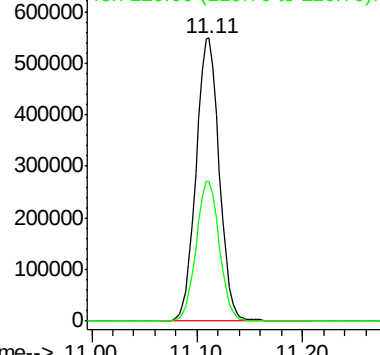
120 49.6 39.8 59.8

Manual Integrations
APPROVED



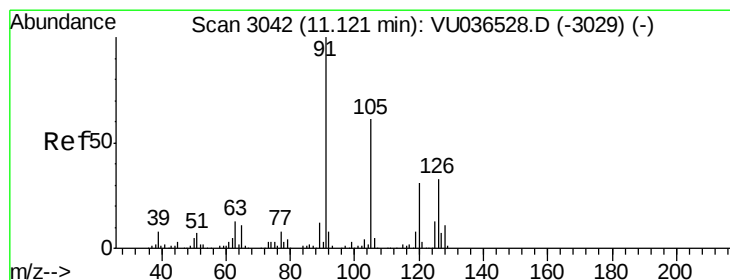
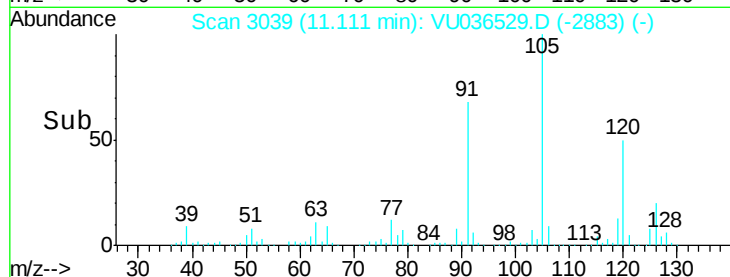
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



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#76

4-Chlorotoluene

Concen: 21.071 ug/l

RT: 11.12 min Scan# 3042

Delta R.T. 0.00 min

Lab File: VU036529.D

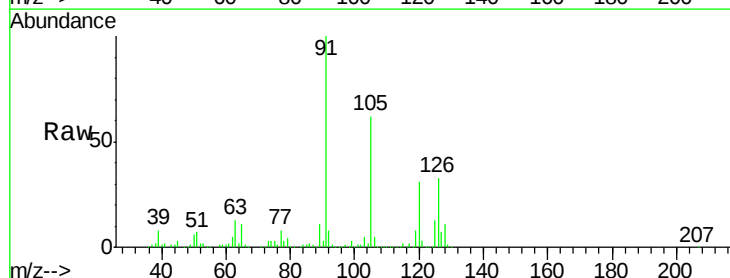
Acq: 22 Jan 2020 16:40

Tgt Ion:126 Resp: 242454

Ion Ratio Lower Upper

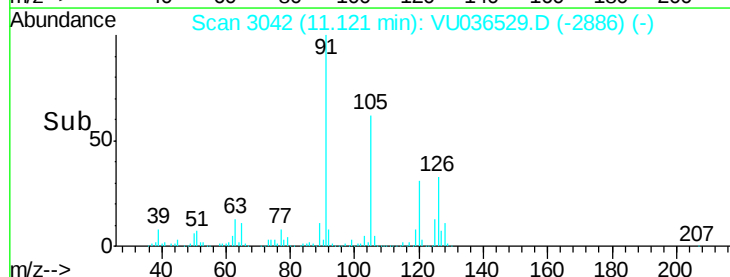
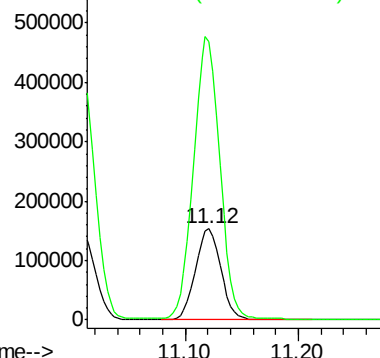
126 100

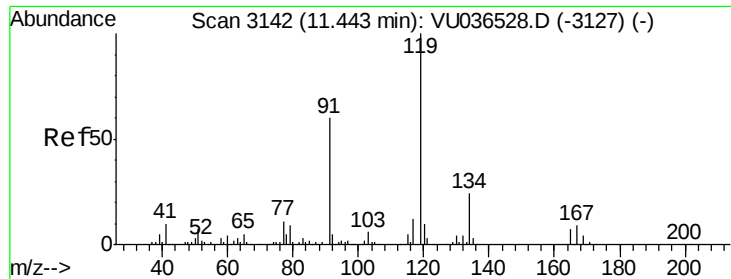
91 322.3 0.0 633.0



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0



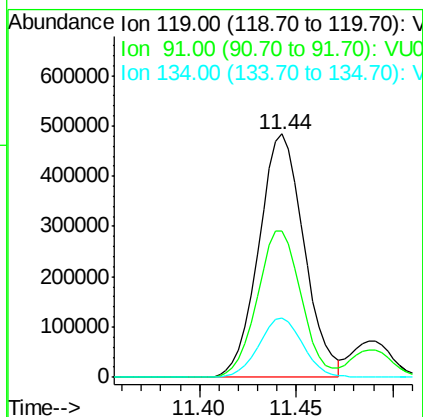
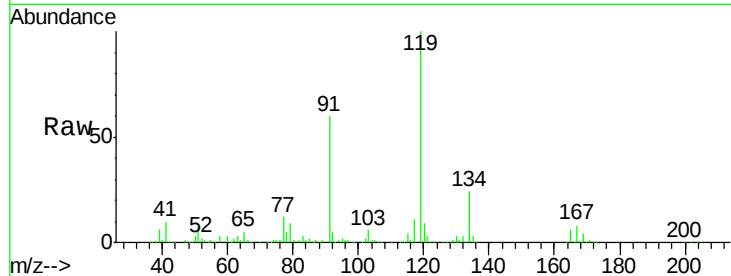


#77
 tert-Butylbenzene
 Concen: 19.917 ug/l
 RT: 11.44 min Scan# 3142
 Delta R.T. 0.00 min
 Lab File: VU036529.D
 Acq: 22 Jan 2020 16:40

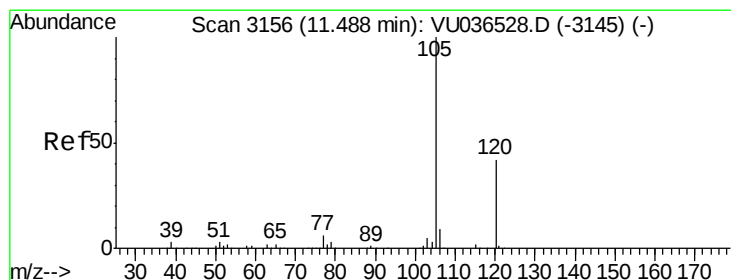
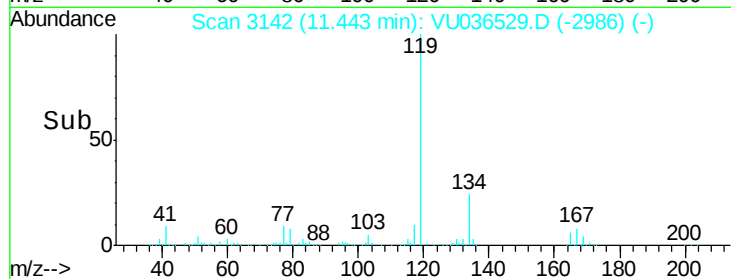
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	58.5	29.3	87.8
134	23.8	19.0	28.4

Manual Integrations
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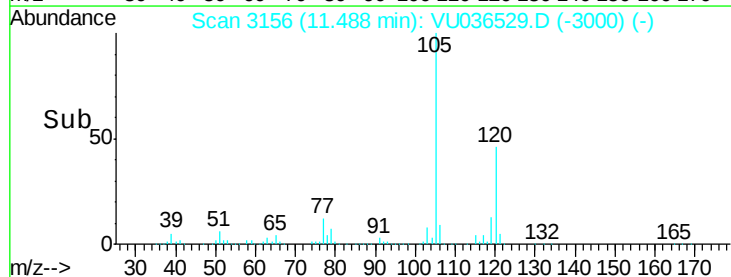
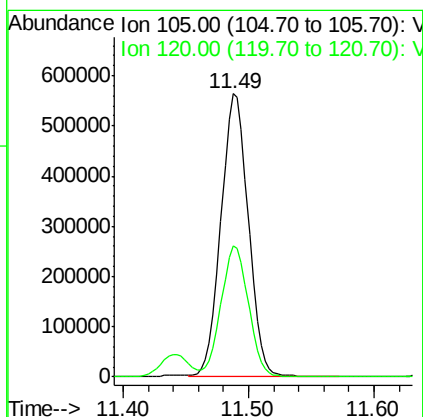
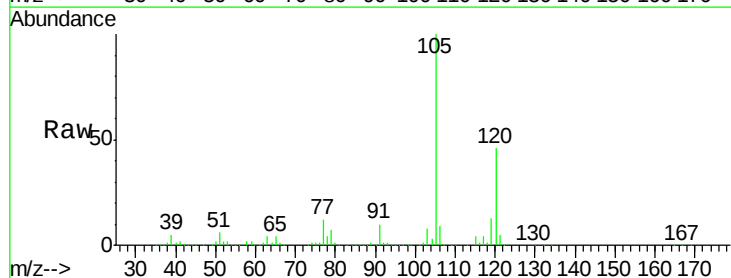


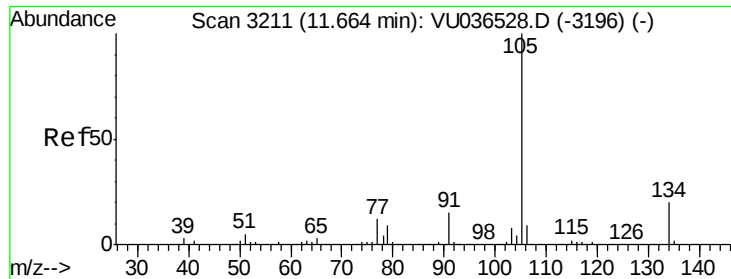
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#78
 1,2,4-Trimethylbenzene
 Concen: 20.032 ug/l
 RT: 11.49 min Scan# 3156
 Delta R.T. 0.00 min
 Lab File: VU036529.D
 Acq: 22 Jan 2020 16:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.3	69.8





#79

sec-Butylbenzene

Concen: 20.008 ug/l

RT: 11.66 min Scan# 3211

Delta R.T. 0.00 min

Lab File: VU036529.D

Acq: 22 Jan 2020 16:40

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

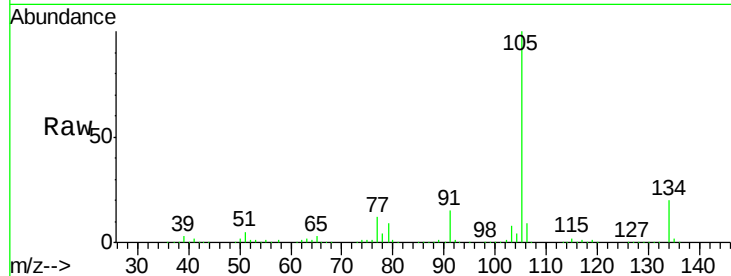
Tot Ion:105 Resp: 1096883

Ion Ratio Lower Upper

105 100

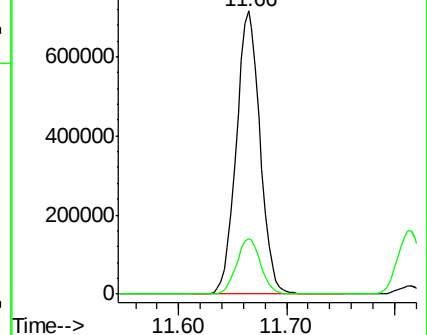
134 19.9 16.0 24.0

Manual Integrations
APPROVED



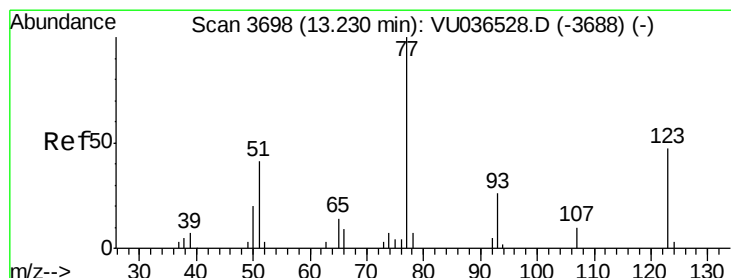
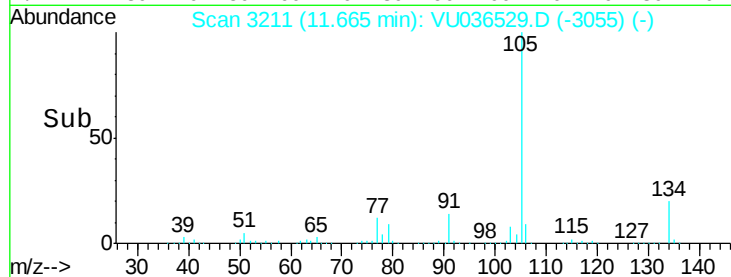
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



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#80

Nitrobenzene

Concen: 138.355 ug/l

RT: 13.23 min Scan# 3698

Delta R.T. 0.00 min

Lab File: VU036529.D

Acq: 22 Jan 2020 16:40

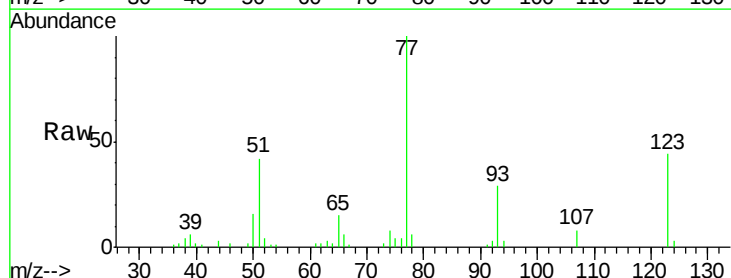
Tgt Ion: 77 Resp: 24590

Ion Ratio Lower Upper

77 100

123 44.5 19.6 69.6

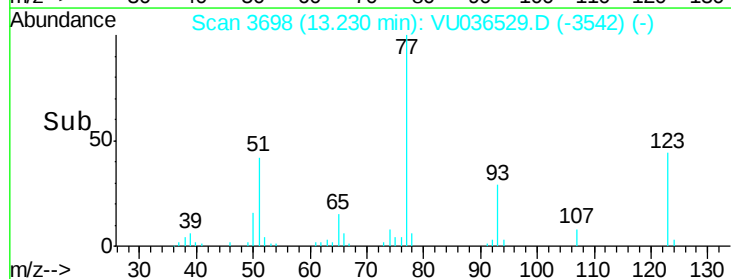
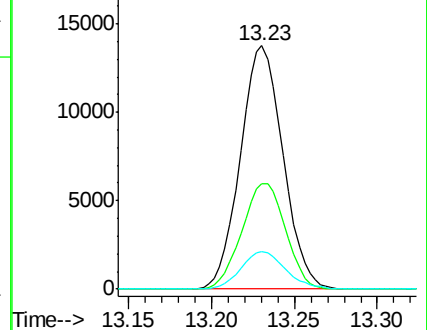
65 16.0 12.7 16.1

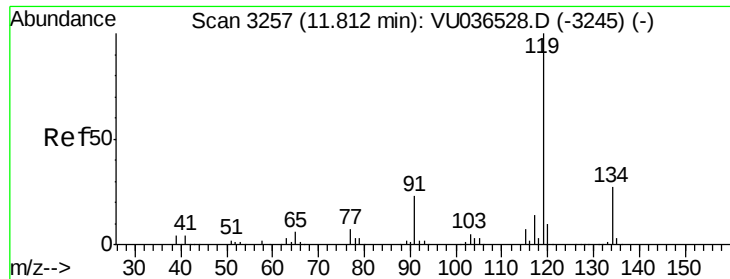


Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0



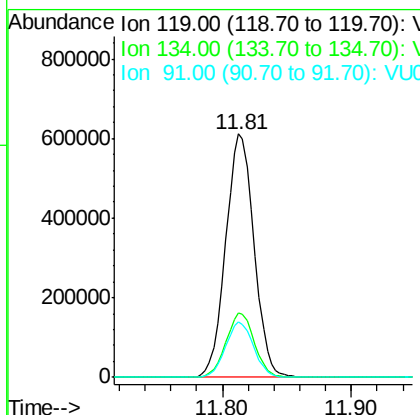
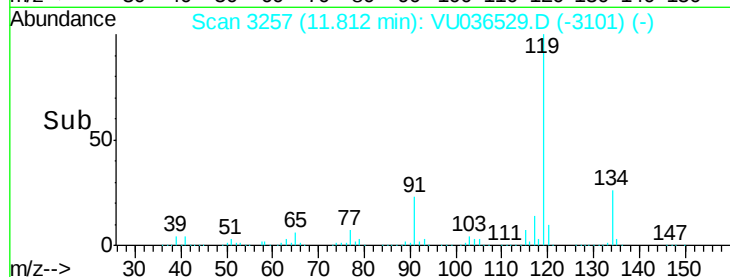
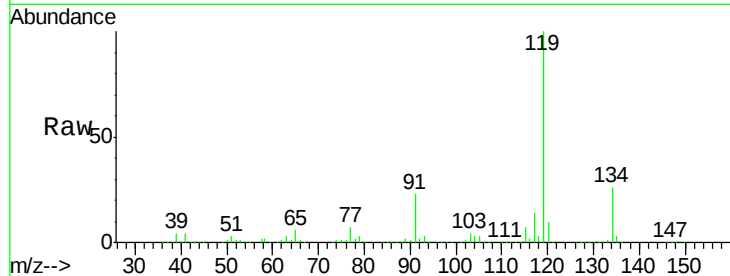


#81
 p-Isopropyltoluene
 Concen: 21.229 ug/l
 RT: 11.81 min Scan# 3257
 Delta R.T. 0.00 min
 Lab File: VU036529.D
 Acq: 22 Jan 2020 16:40

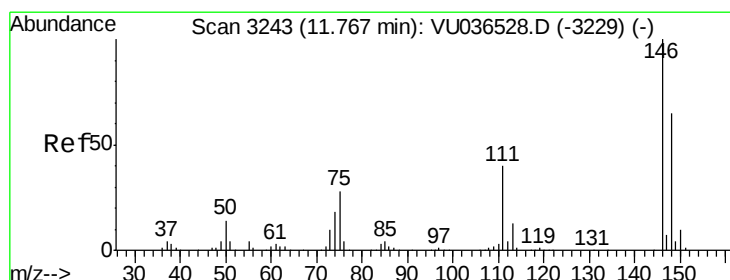
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.4	21.4	32.0
91	22.6	18.3	27.5

Manual Integrations
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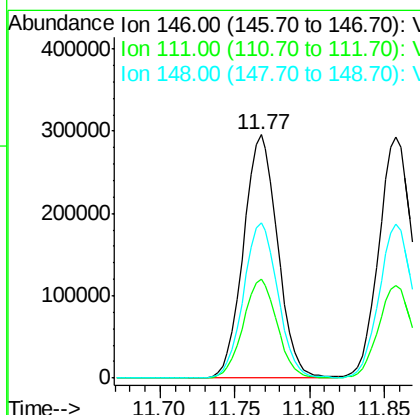
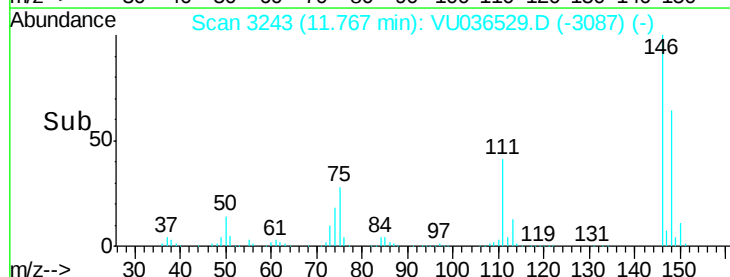
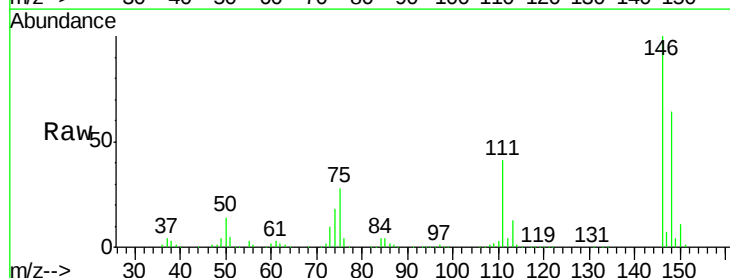


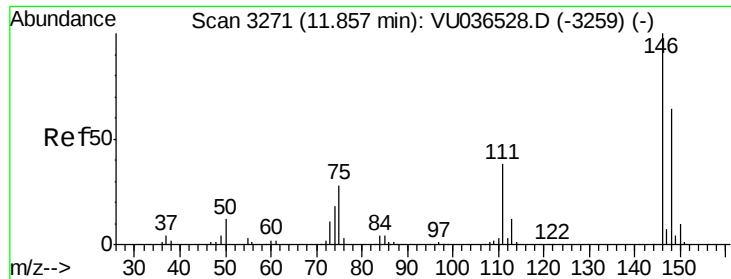
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#82
 1,3-Dichlorobenzene
 Concen: 21.855 ug/l
 RT: 11.77 min Scan# 3243
 Delta R.T. 0.00 min
 Lab File: VU036529.D
 Acq: 22 Jan 2020 16:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	32.2	48.2
148	64.0	51.4	77.2



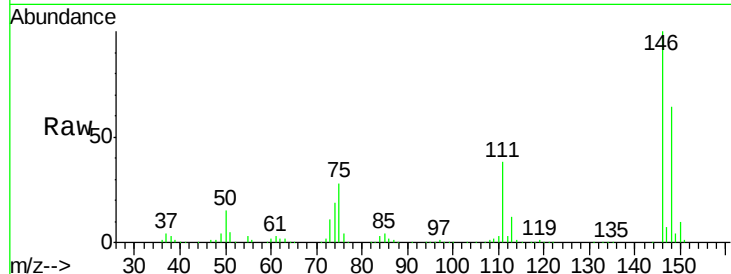


#83
1,4-Dichlorobenzene
Concen: 21.937 ug/l
RT: 11.86 min Scan# 3271
Delta R.T. 0.00 min
Lab File: VU036529.D
Acq: 22 Jan 2020 16:40

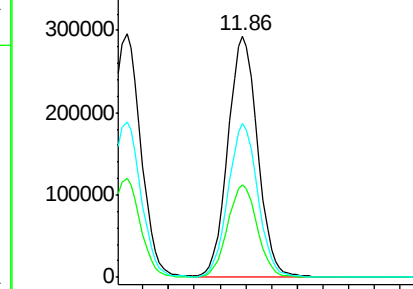
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	30.5	45.7
148	63.8	51.0	76.4

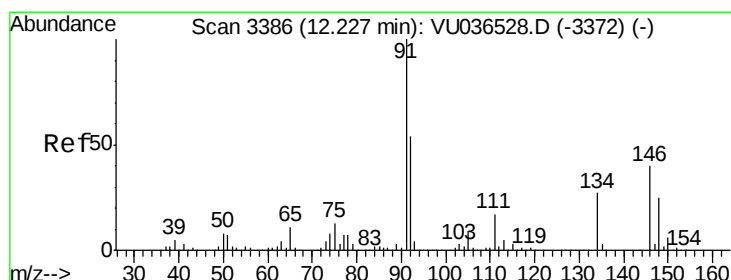
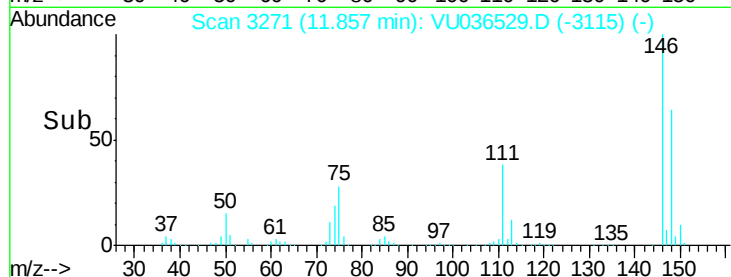
Manual Integrations
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Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V

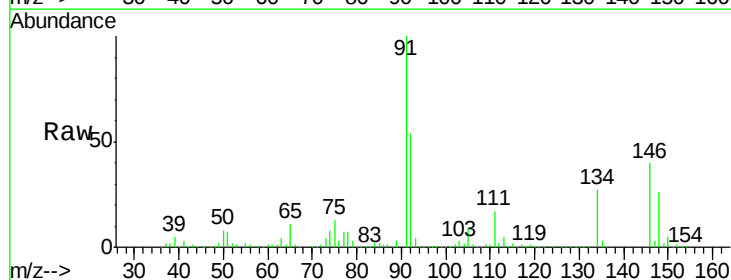


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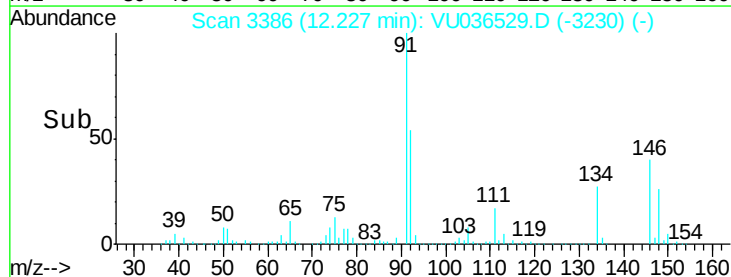
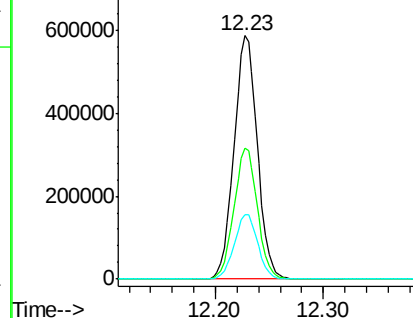


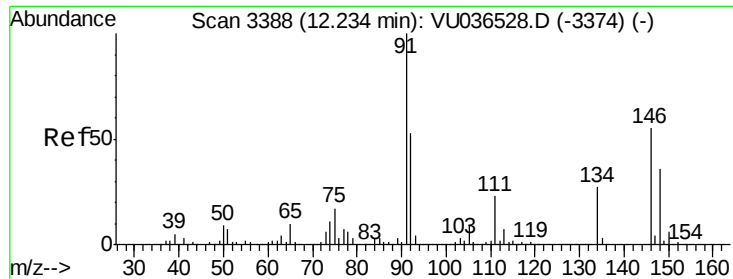
#84
n-Butylbenzene
Concen: 19.205 ug/l
RT: 12.23 min Scan# 3386
Delta R.T. 0.00 min
Lab File: VU036529.D
Acq: 22 Jan 2020 16:40

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.9	42.9	64.3
134	26.7	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



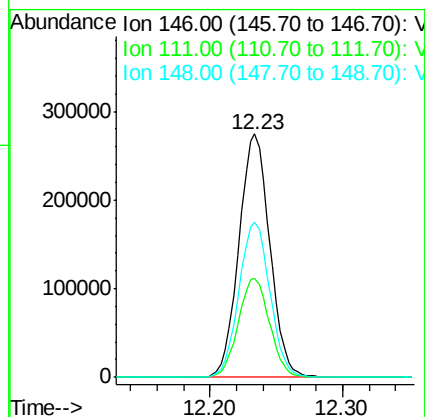
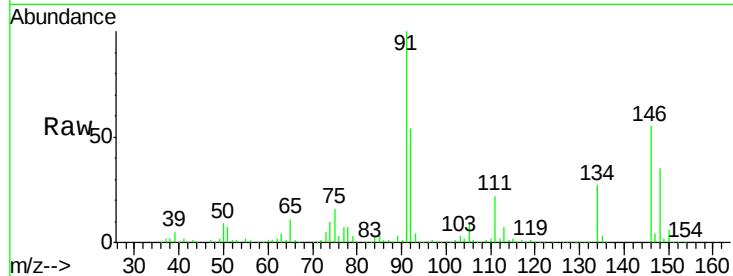


#85
 1,2-Dichlorobenzene
 Concen: 21.783 ug/l
 RT: 12.23 min Scan# 3388
 Delta R.T. 0.00 min
 Lab File: VU036529.D
 Acq: 22 Jan 2020 16:40

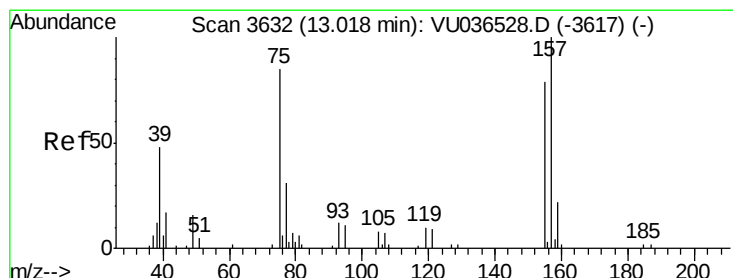
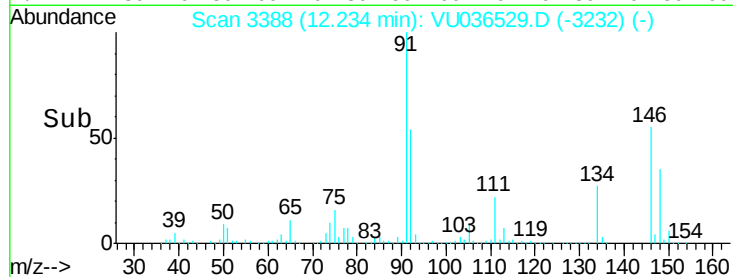
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
146	100		444148		
111	41.2	20.8	62.4		
148	64.2	32.0	96.2		

Manual Integrations
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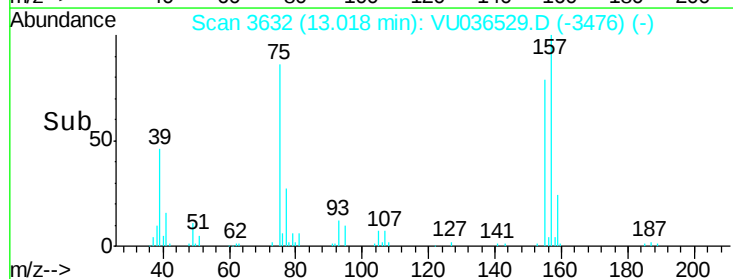
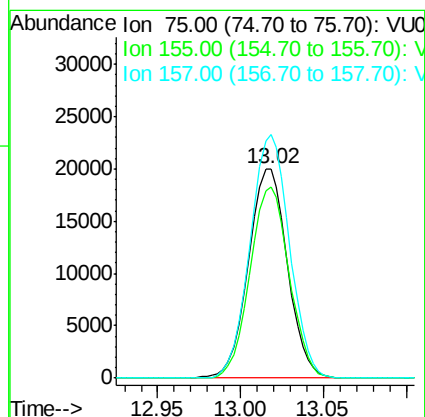
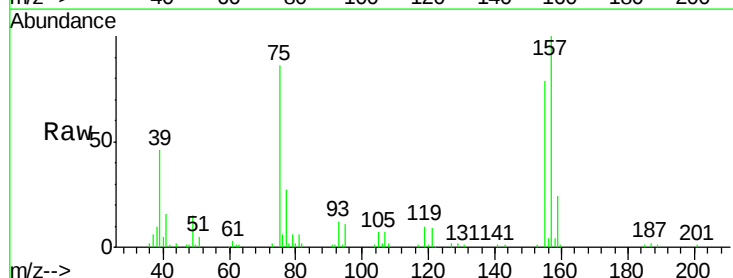


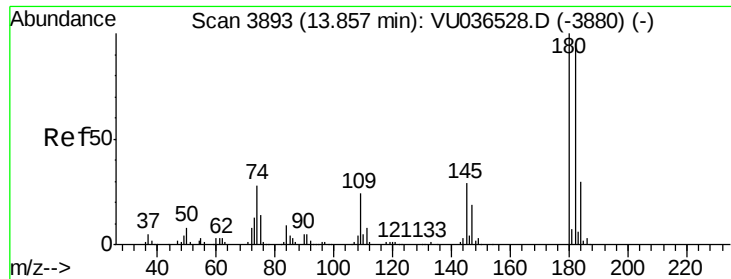
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#86
 1,2-Dibromo-3-Chloropropane
 Concen: 17.822 ug/l
 RT: 13.02 min Scan# 3632
 Delta R.T. 0.00 min
 Lab File: VU036529.D
 Acq: 22 Jan 2020 16:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
75	100		32823		
155	91.1	71.8	107.8		
157	117.0	92.4	138.6		



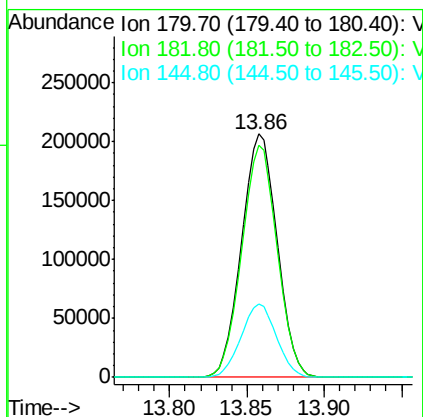
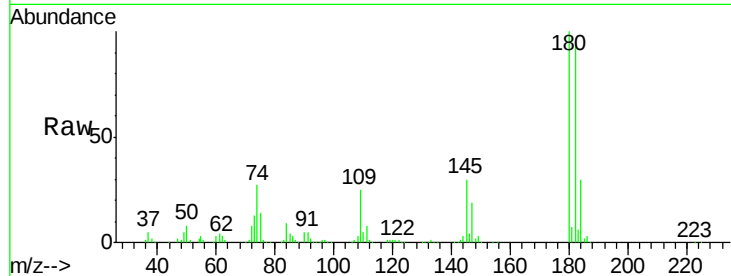


#87
 1,2,4-Trichlorobenzene
 Concen: 25.558 ug/l
 RT: 13.86 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU036529.D
 Acq: 22 Jan 2020 16:40

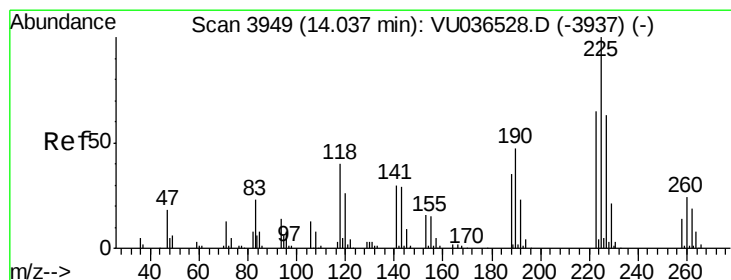
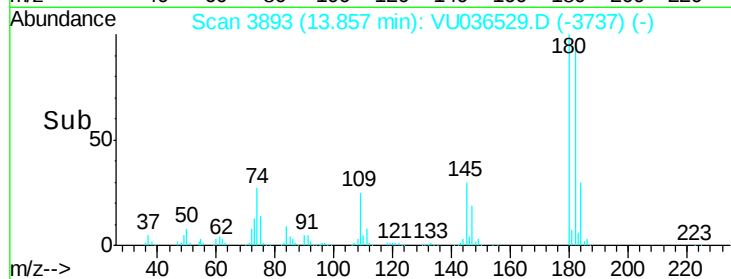
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	75.9	113.9
145	29.9	23.4	35.2

Manual Integrations
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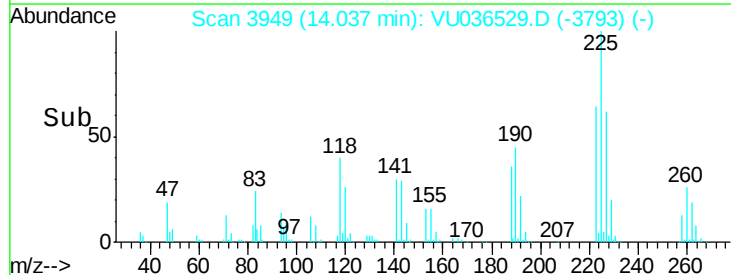
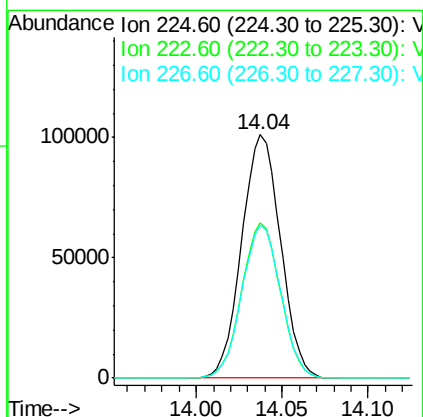
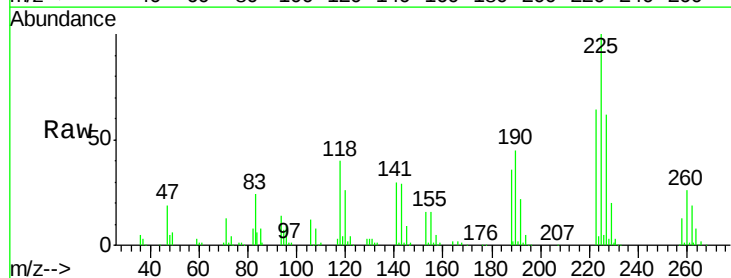


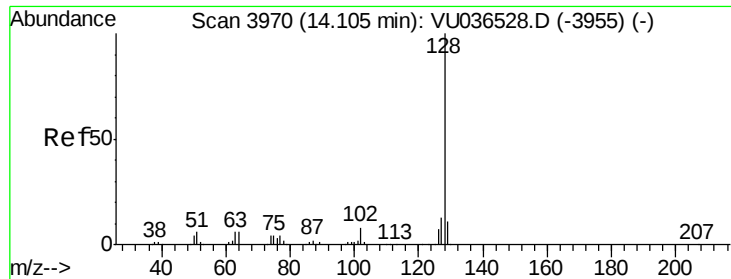
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#88
 Hexachlorobutadiene
 Concen: 26.170 ug/l
 RT: 14.04 min Scan# 3949
 Delta R.T. 0.00 min
 Lab File: VU036529.D
 Acq: 22 Jan 2020 16:40

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	51.7	77.5
227	62.9	50.6	75.8



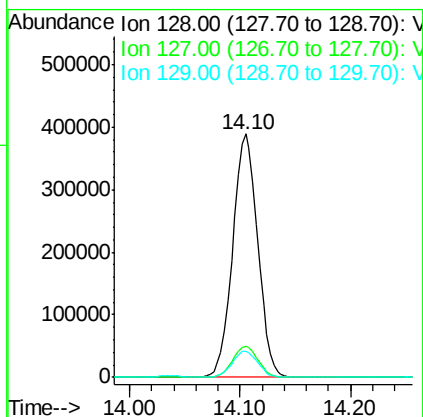
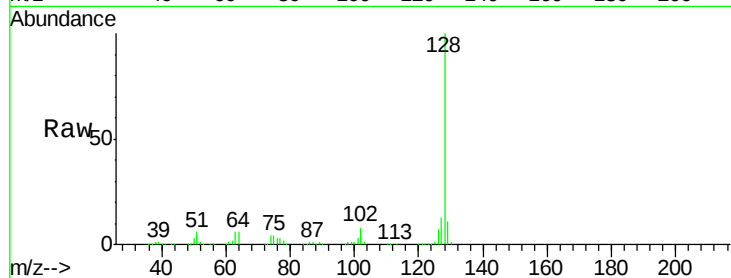


#89
Naphthalene
Concen: 23.771 ug/l
RT: 14.10 min Scan# 3970
Delta R.T. 0.00 min
Lab File: VU036529.D
Acq: 22 Jan 2020 16:40

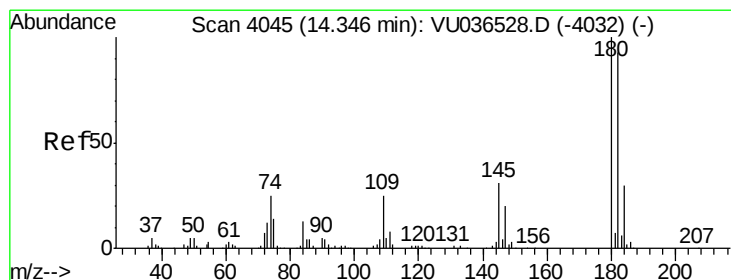
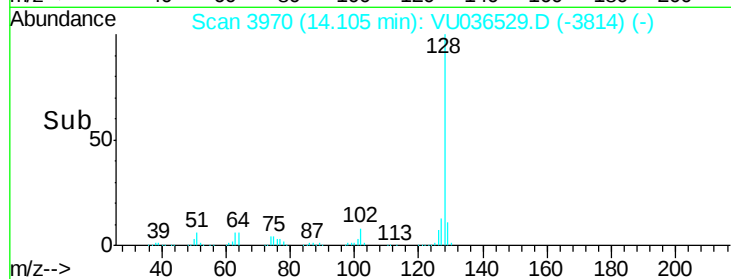
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

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

Manual Integrations
APPROVED



apatel
1/23/2020 3:21:38 PM



#90
1,2,3-Trichlorobenzene
Concen: 25.079 ug/l
RT: 14.35 min Scan# 4045
Delta R.T. 0.00 min
Lab File: VU036529.D
Acq: 22 Jan 2020 16:40

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.2	114.4
145	31.3	25.2	37.8

