

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071119\
 Data File : VU033195.D
 Acq On : 11 Jul 2019 16:26
 Operator : JC/SP
 Sample : VSTDIC0.5
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Manual Integrations
 APPROVED

MMDadoda

7/16/2019 4:03:04 PM

Quant Time: Jul 12 04:20:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U071119DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Jul 12 04:10:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.72	96	29822	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.29	95	10358	0.88	ug/l	0.00
Spiked Amount 1.000			Recovery	=	88.00%	
68) 1,2-Dichlorobenzene-d4	11.85	152	11534	0.95	ug/l	0.00
Spiked Amount 1.000			Recovery	=	95.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.20	85	6411	0.517	ug/l	98
3) Chloromethane	1.32	50	7618	0.539	ug/l	94
4) Vinyl Chloride	1.40	62	7802	0.520	ug/l	99
5) Bromomethane	1.62	94	5518	0.661	ug/l	100
6) Chloroethane	1.69	64	4780	0.508	ug/l	100
7) Trichlorofluoromethane	1.88	101	10138	0.499	ug/l	97
8) 1,1,2-Trichloro-1,2,2-trif	2.27	101	5457	0.532	ug/l	95
9) 1,1-Dichloroethene	2.27	96	5670	0.545	ug/l	98
10) Iodomethane	2.40	142	4287	0.308	ug/l	99
11) Allyl Chloride	2.58	41	8946	0.499	ug/l	90
12) Acrylonitrile	2.92	53	2790	0.962	ug/l #	82
13) Acetone	2.31	43	7826	3.051	ug/l	96
14) Carbon Disulfide	2.46	76	20074	0.521	ug/l	99
15) Methylene Chloride	2.68	84	8746	0.652	ug/l	99
16) trans-1,2-Dichloroethene	2.96	96	6340	0.530	ug/l	95
17) 1,1-Dichloroethane	3.42	63	8771	0.498	ug/l	100
18) 2-Butanone	4.26	43	6472	2.815	ug/l	93
19) Cyclohexane	4.96	56	6250m	0.470	ug/l	
20) Methylcyclohexane	6.39	83	6286	0.477	ug/l	93
21) 2,2-Dichloropropane	4.20	77	7579	0.493	ug/l	95
22) cis-1,2-Dichloroethene	4.20	96	4801	0.492	ug/l	95
23) Diethyl Ether	2.09	59	4985	0.567	ug/l	93
24) tert-Butyl Alcohol	2.82	59	5958	5.326	ug/l #	82
25) Methyl tert-Butyl Ether	2.98	73	15455	0.521	ug/l	93
26) Bromochloromethane	4.52	128	2214	0.509	ug/l	98
27) Chloroform	4.65	83	10895	0.554	ug/l	99
28) 1,1,1-Trichloroethane	4.89	97	7717	0.501	ug/l	98
29) 1,1-Dichloropropene	5.11	75	6098	0.478	ug/l	98
30) Carbon Tetrachloride	5.11	117	6833	0.496	ug/l	92
31) Isopropyl Ether	3.56	45	11383	0.489	ug/l	89
32) Ethyl-t-butyl ether	4.05	59	10826	0.488	ug/l	100
33) Tert-Amyl methyl ether	5.56	73	9390	0.470	ug/l	98
34) Propionitrile	4.33	54	1640	2.464	ug/l #	90
35) Benzene	5.36	78	18306	0.494	ug/l	100
36) 1,2-Dichloroethane	5.39	62	6173	0.516	ug/l	95
37) Trichloroethene	6.17	130	4815	0.503	ug/l	88
38) 1,2-Dichloropropane	6.41	63	4987	0.489	ug/l	96
39) Methacrylonitrile	4.54	41	1516	0.549	ug/l #	88
40) Methyl acrylate	4.41	55	1914m	0.460	ug/l	
41) Tetrahydrofuran	4.64	42	1509	1.071	ug/l #	88
42) 1-Chlorobutane	5.04	56	8293	0.479	ug/l	97

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Manual Integrations
 APPROVED

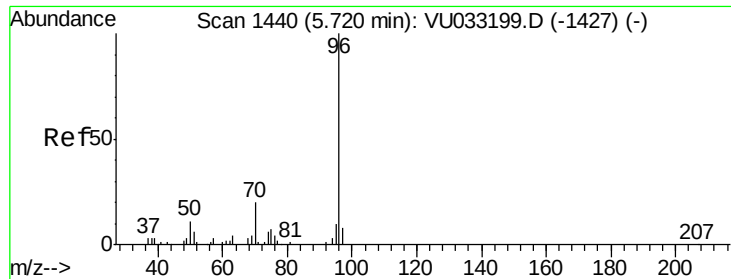
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7/16/2019 4:03:04 PM

Quant Time: Jul 12 04:20:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U071119DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Jul 12 04:10:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.54	93	2610	0.487	ug/l	95
44) Bromodichloromethane	6.74	83	6796	0.510	ug/l	96
45) 4-Methyl-2-Pentanone	7.45	43	13713	2.414	ug/l	97
46) t-1,4-Dichloro-2-butene	10.50	75	1774m	0.692	ug/l	
47) Methyl methacrylate	6.61	69	3592	0.864	ug/l	98
48) Ethyl methacrylate	8.01	69	3446	0.448	ug/l	99
49) Toluene	7.62	92	9789	0.448	ug/l	100
50) t-1,3-Dichloropropene	7.87	75	5320	0.463	ug/l	99
51) cis-1,3-Dichloropropene	7.25	75	6199	0.458	ug/l	95
52) 1,1,2-Trichloroethane	8.05	97	3515	0.476	ug/l	93
53) 1,3-Dichloropropane	8.22	76	5925	0.478	ug/l	97
54) 2-Hexanone	8.35	43	9125	2.358	ug/l	94
55) Dibromochloromethane	8.46	129	4036	0.468	ug/l	97
56) 1,2-Dibromoethane	8.57	107	3157	0.468	ug/l	96
58) Tetrachloroethene	8.21	164	4300	0.491	ug/l	94
59) Chlorobenzene	9.10	112	11309	0.465	ug/l	97
60) 1,1,1,2-Tetrachloroethane	9.19	131	4461	0.479	ug/l	93
61) Pentachloroethane	11.09	117	3148	0.416	ug/l	96
62) Hexachloroethane	12.13	117	3095	0.426	ug/l	97
63) Ethyl Benzene	9.23	91	17135	0.428	ug/l	96
64) m/p-Xylenes	9.36	106	12731	0.816	ug/l	94
65) o-Xylene	9.76	106	6252	0.417	ug/l	97
66) Styrene	9.77	104	10152	0.402	ug/l	96
67) Bromoform	9.94	173	2311	0.490	ug/l #	96
69) Isopropylbenzene	10.15	105	15750	0.403	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.44	83	5062	0.518	ug/l	99
71) 1,2,3-Trichloropropane	10.48	75	4127m	0.587	ug/l	
72) Bromobenzene	10.43	156	4341	0.435	ug/l	92
73) n-propylbenzene	10.57	120	4121	0.379	ug/l	82
74) 2-Chlorotoluene	10.64	126	4285	0.431	ug/l	90
75) 1,3,5-Trimethylbenzene	10.76	105	12588	0.363	ug/l	95
76) 4-Chlorotoluene	10.76	126	4082	0.391	ug/l	92
77) tert-Butylbenzene	11.08	119	13305	0.403	ug/l	92
78) 1,2,4-Trimethylbenzene	11.13	105	12948	0.369	ug/l	99
79) sec-Butylbenzene	11.31	105	18237	0.404	ug/l	97
80) Nitrobenzene	12.86	77	460	1.904	ug/l #	54
81) p-Isopropyltoluene	11.46	119	13902	0.382	ug/l	95
82) 1,3-Dichlorobenzene	11.40	146	9523	0.454	ug/l	99
83) 1,4-Dichlorobenzene	11.49	146	9412	0.455	ug/l	92
84) n-Butylbenzene	11.87	91	14948	0.421	ug/l	95
85) 1,2-Dichlorobenzene	11.86	146	9220	0.475	ug/l	98
86) 1,2-Dibromo-3-Chloropropan	12.64	75	731	0.485	ug/l #	87
87) 1,2,4-Trichlorobenzene	13.49	180	5090	0.476	ug/l	95
88) Hexachlorobutadiene	13.68	225	3434	0.495	ug/l	93
89) Naphthalene	13.73	128	8580	0.478	ug/l	99
90) 1,2,3-Trichlorobenzene	13.97	180	5038	0.484	ug/l	97

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.72 min Scan# 1440

Delta R.T. 0.00 min

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Instrument :

MSVOA_U

ClientSampleId :

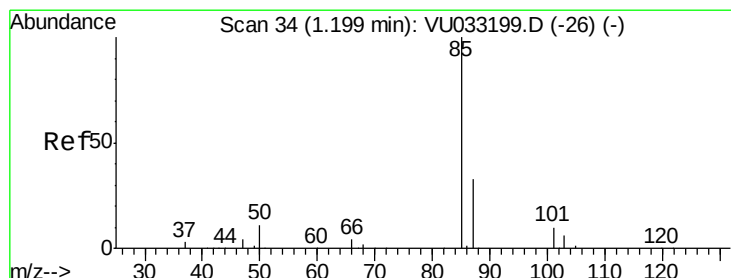
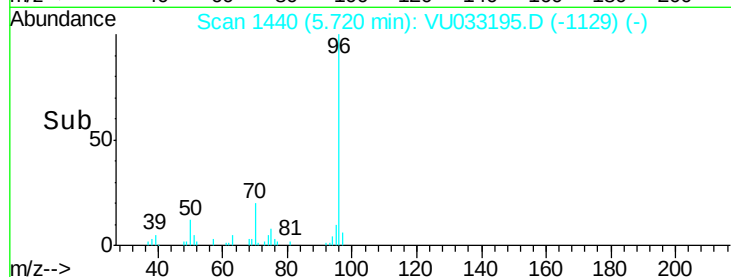
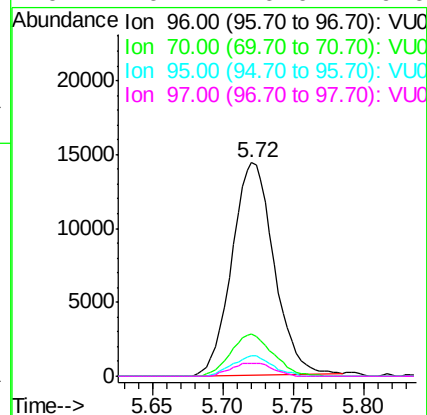
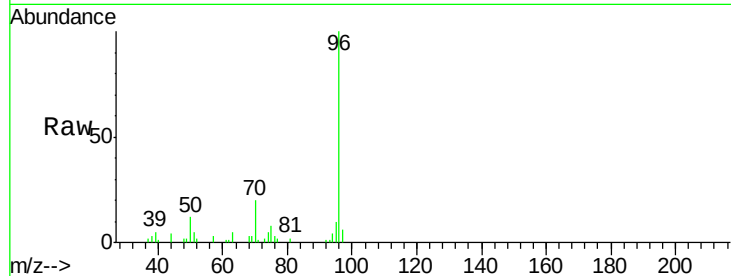
VSTDIC0.5

Tot Ion	Ion	Ratio	Lower	Upper
96	100			
70	20.0	16.2	24.4	
95	9.3	7.8	11.8	
97	6.1	0.0	0.0	

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 0.517 ug/l

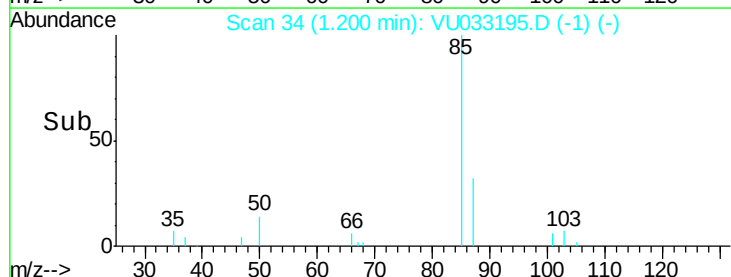
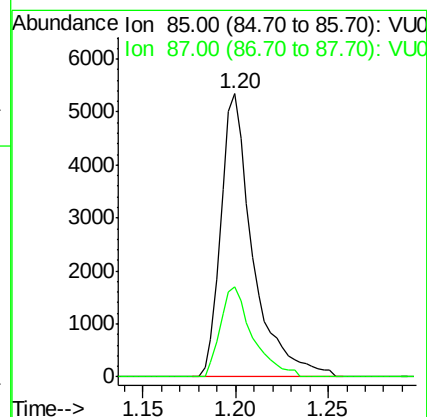
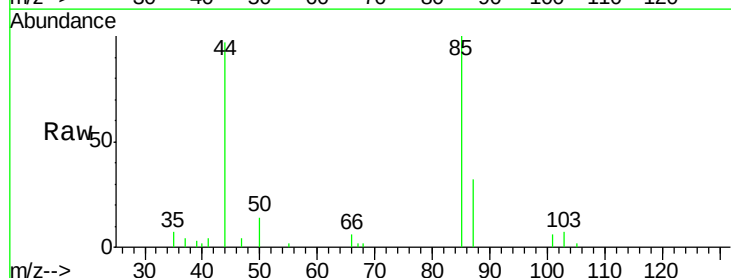
RT: 1.20 min Scan# 34

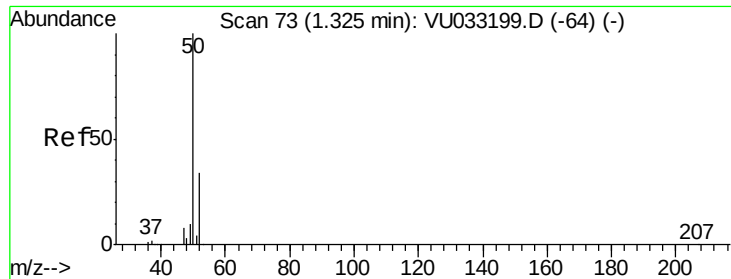
Delta R.T. 0.00 min

Lab File: VU033195.D

Acq: 11 Jul 2019 16:26

Tgt Ion	Ion	Ratio	Lower	Upper
85	100			
87	31.8	16.4	49.1	





#3

Chloromethane

Concen: 0.539 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU033195.D

Acq: 11 Jul 2019 16:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 50 Resp: 7618

Ion Ratio Lower Upper

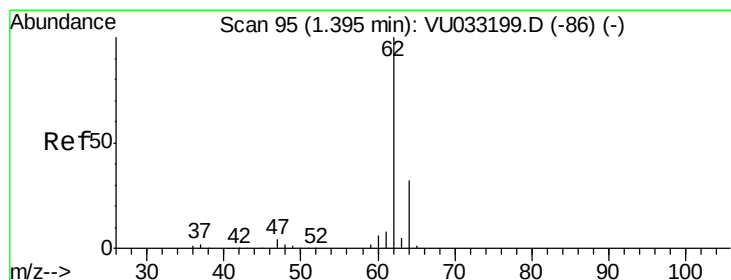
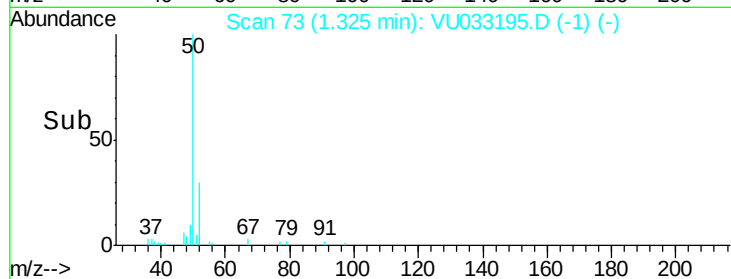
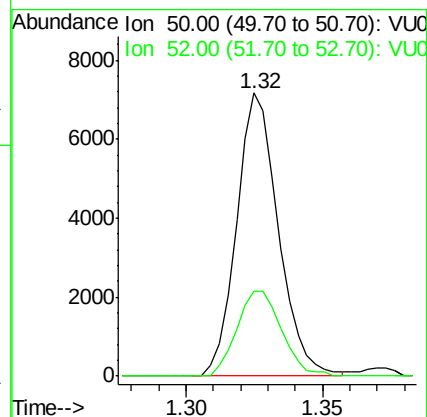
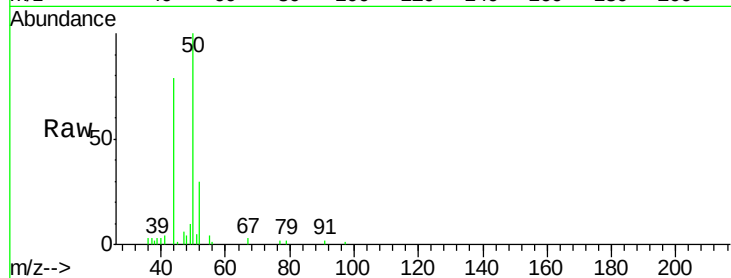
50 100

52 30.0 27.0 40.4

Manual Integrations
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#4

Vinyl Chloride

Concen: 0.520 ug/l

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU033195.D

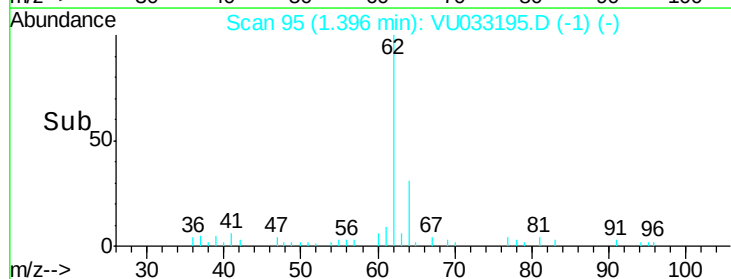
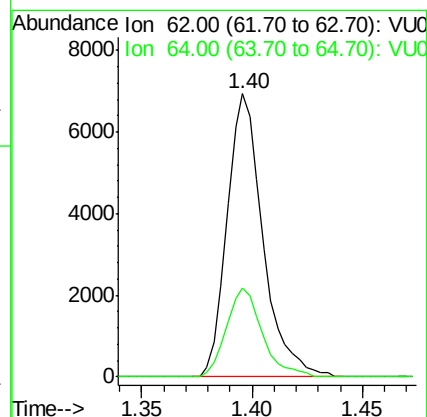
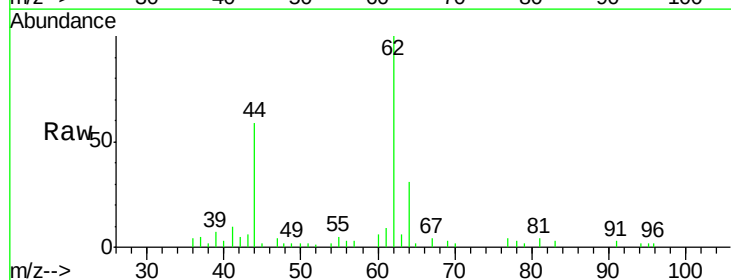
Acq: 11 Jul 2019 16:26

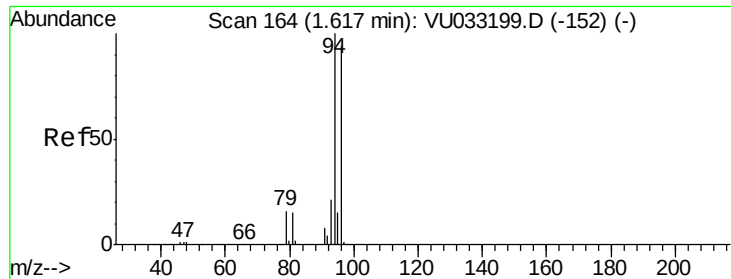
Tgt Ion: 62 Resp: 7802

Ion Ratio Lower Upper

62 100

64 31.5 25.7 38.5





#5

Bromomethane

Concen: 0.661 ug/l

RT: 1.62 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU033195.D

Acq: 11 Jul 2019 16:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 94 Resp: 5518

Ion Ratio Lower Upper

94 100

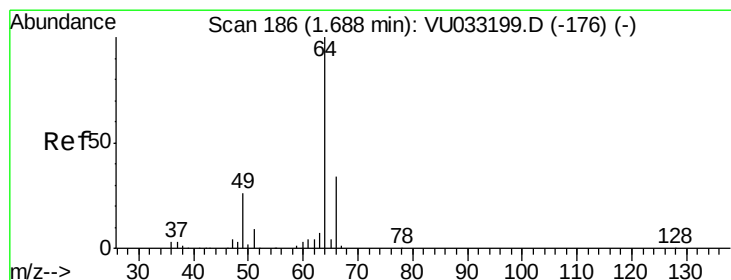
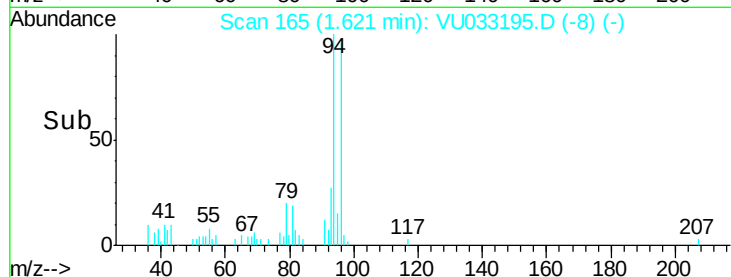
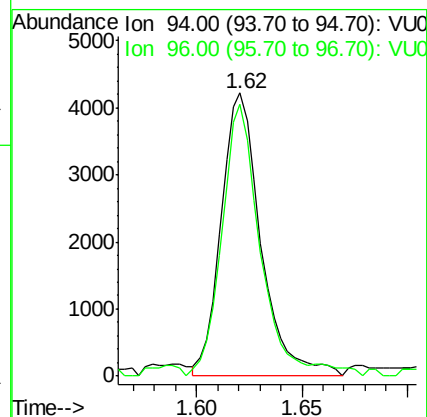
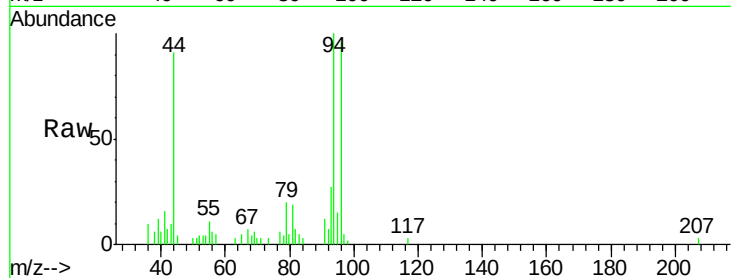
96 93.4 74.8 112.2

Manual Integrations

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#6

Chloroethane

Concen: 0.508 ug/l

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU033195.D

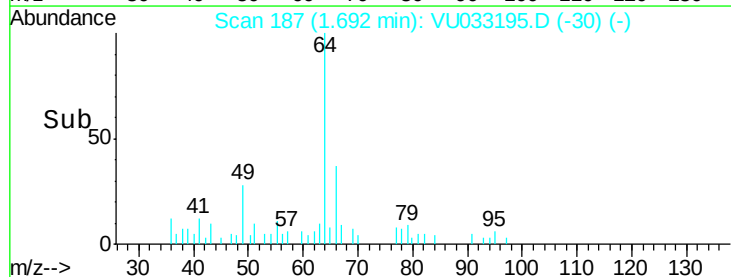
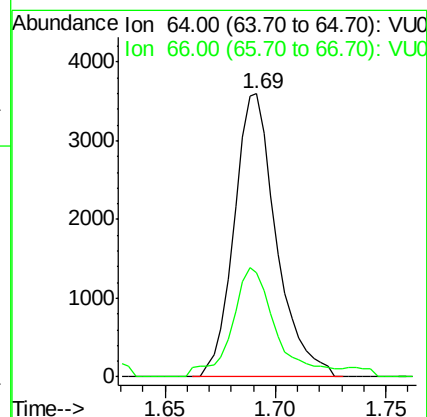
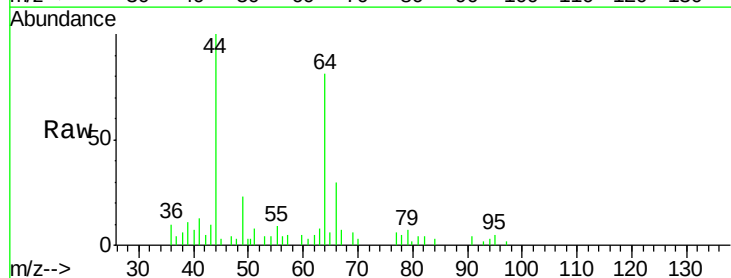
Acq: 11 Jul 2019 16:26

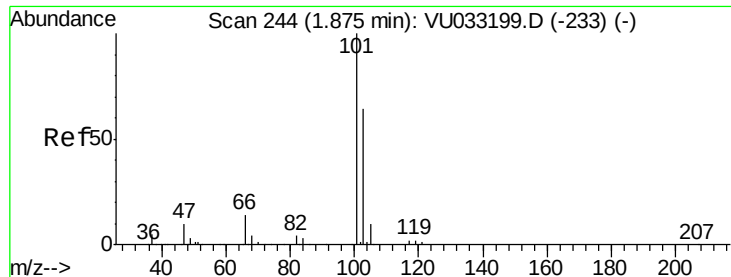
Tgt Ion: 64 Resp: 4780

Ion Ratio Lower Upper

64 100

66 33.9 27.0 40.4





#7

Trichlorofluoromethane
Concen: 0.499 ug/l
RT: 1.88 min Scan# 245
Delta R.T. 0.00 min
Lab File: VU033195.D
Acq: 11 Jul 2019 16:26

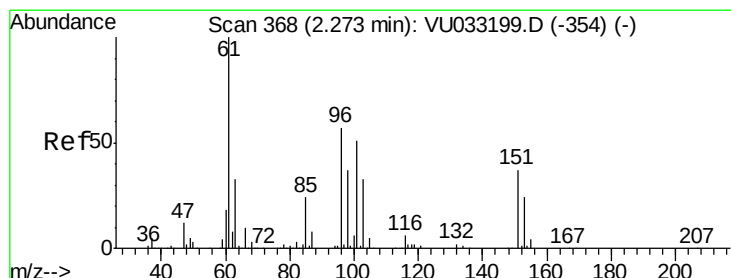
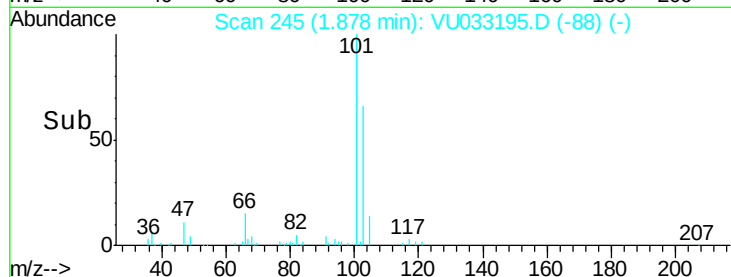
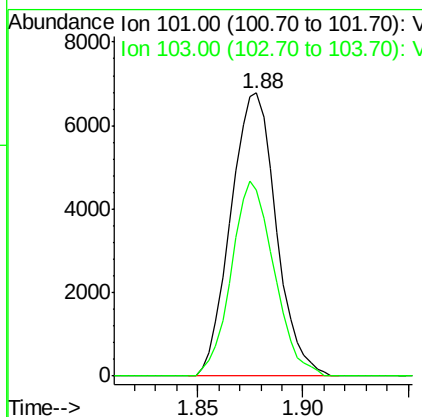
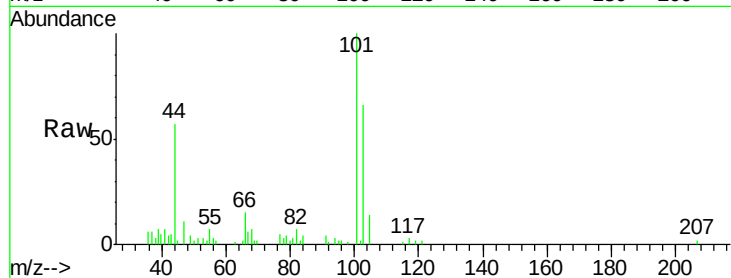
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.9	51.0	76.6

Manual Integrations
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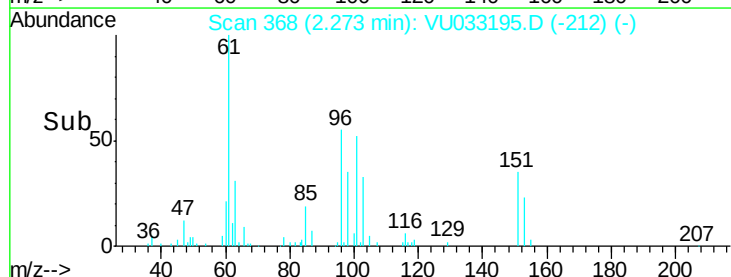
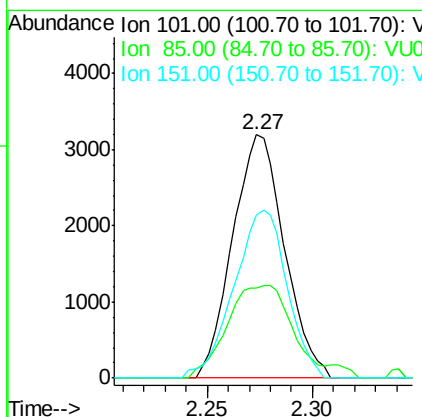
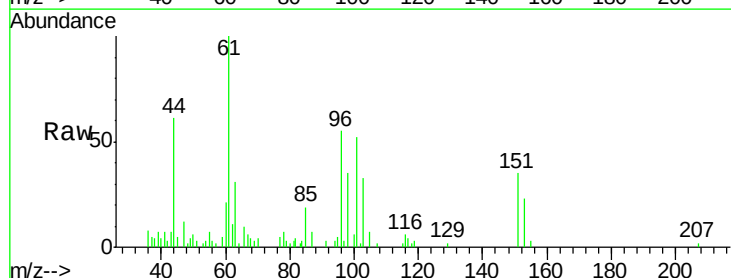
7/16/2019 4:03:04 PM

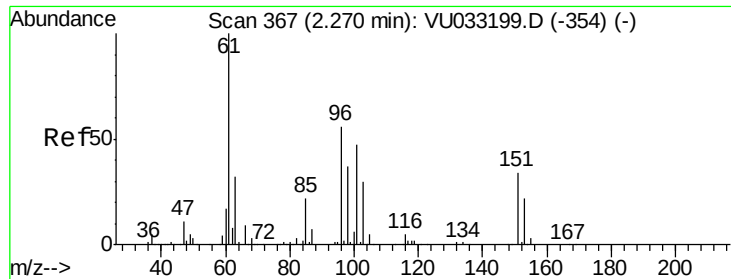


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.532 ug/l
RT: 2.27 min Scan# 368
Delta R.T. 0.00 min
Lab File: VU033195.D
Acq: 11 Jul 2019 16:26

Tgt Ion	Ratio	Lower	Upper
101	100		
85	42.0	37.7	56.5
151	70.6	58.2	87.2





#9

1,1-Dichloroethene

Concen: 0.545 ug/l

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU033195.D

Acq: 11 Jul 2019 16:26

Instrument :

MSVOA_U

ClientSampleId :

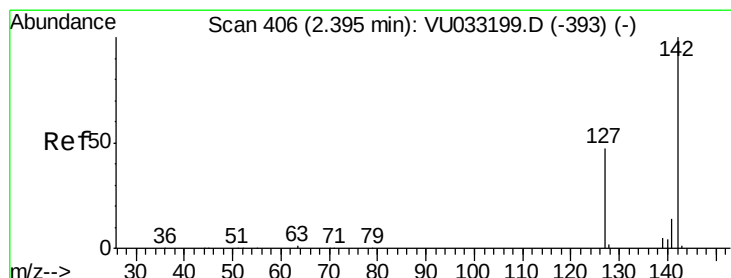
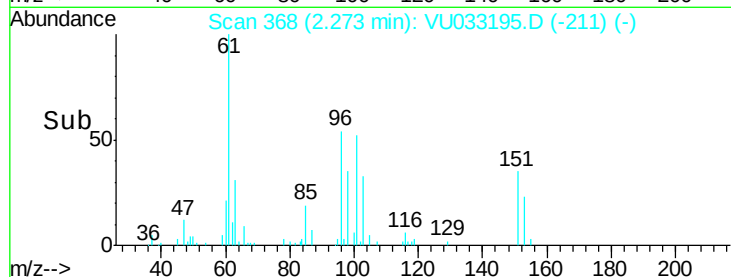
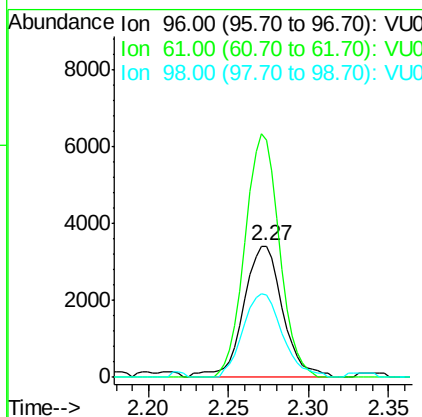
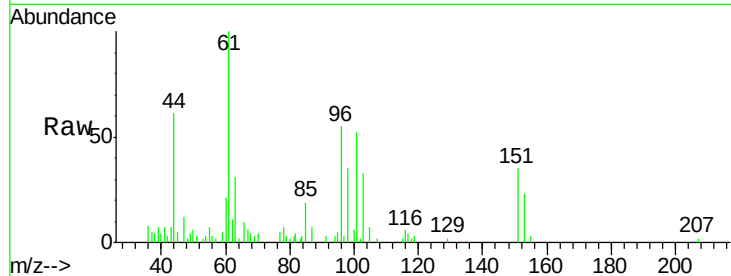
VSTDIC0.5

Tot Ion:	96	Resp:	5670
Ion	Ratio	Lower	Upper
96	100		
61	180.8	0.0	533.7
98	62.9	0.0	129.8

Manual Integrations
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#10

Iodomethane

Concen: 0.308 ug/l

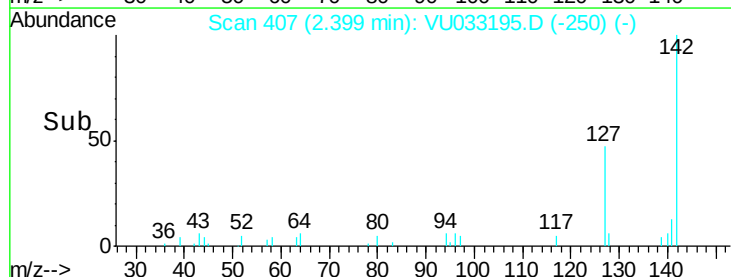
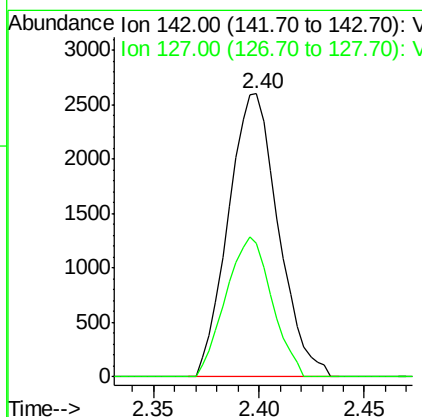
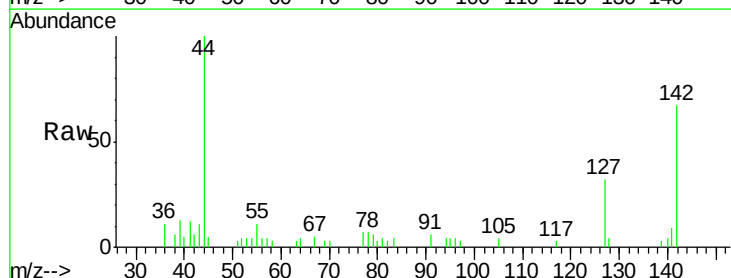
RT: 2.40 min Scan# 407

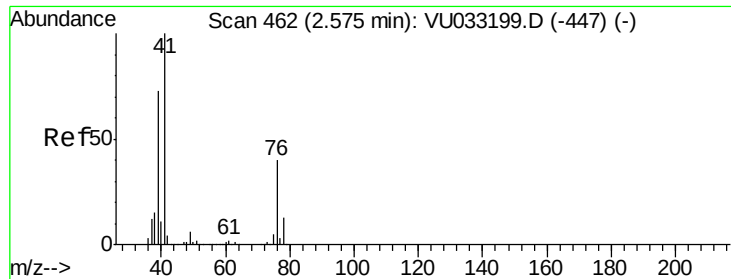
Delta R.T. 0.00 min

Lab File: VU033195.D

Acq: 11 Jul 2019 16:26

Tgt Ion:	142	Resp:	4287
Ion	Ratio	Lower	Upper
142	100		
127	45.3	37.0	55.4





#11
Allvl Chloride
Concen: 0.499 ug/l
RT: 2.58 min Scan# 462
Delta R.T. 0.00 min
Lab File: VU033195.D
Acq: 11 Jul 2019 16:26

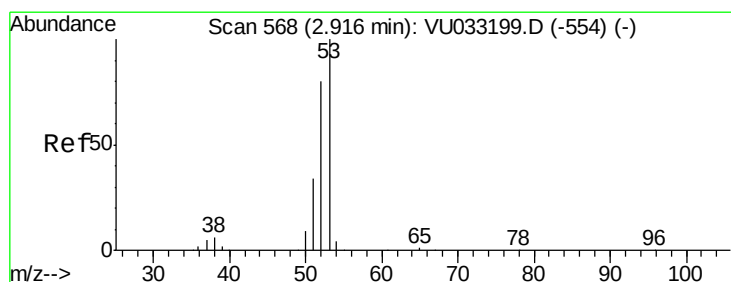
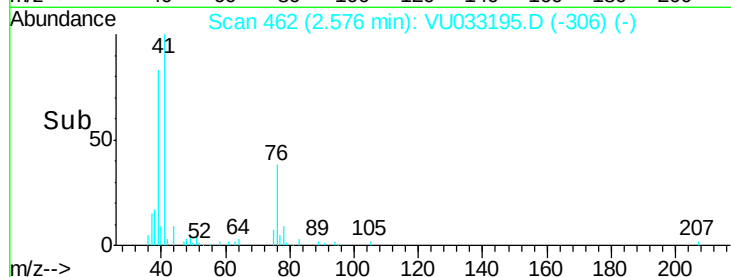
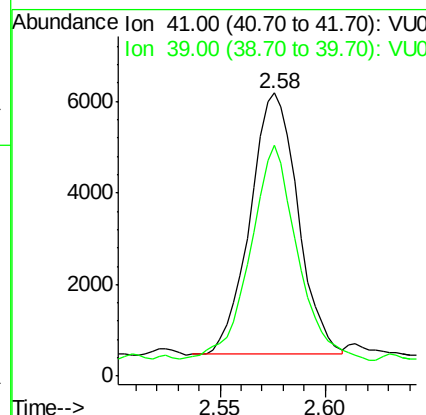
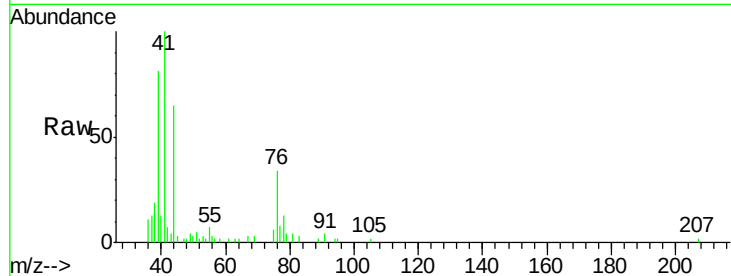
Instrument :
MSVOA_U
ClientSampleId :
VSTDICC0.5

Tot Ion: 41 Resp: 8946
Ion Ratio Lower Upper
41 100
39 81.5 58.7 88.1

Manual Integrations
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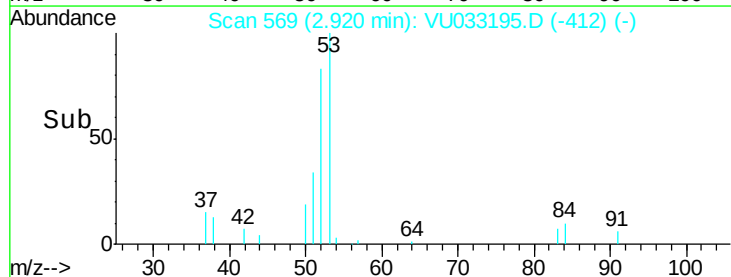
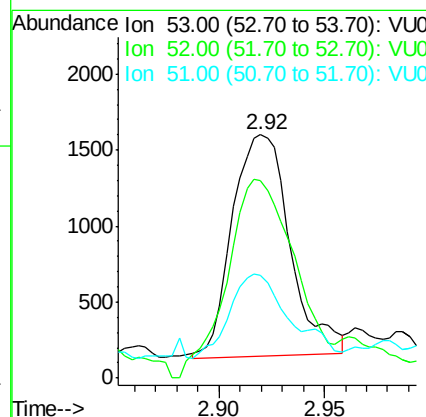
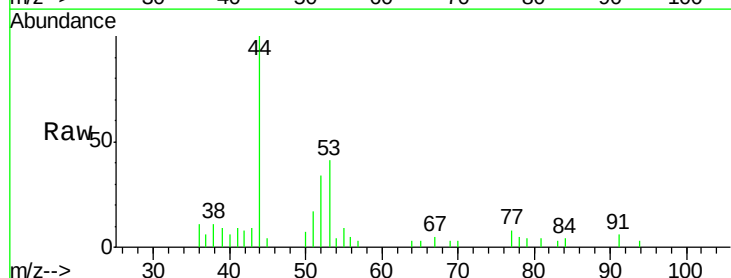
MMDadoda

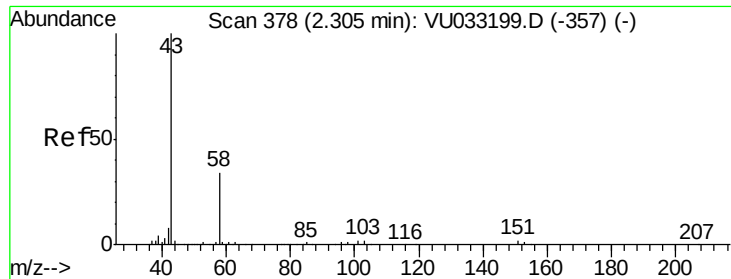
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#12
Acrylonitrile
Concen: 0.962 ug/l
RT: 2.92 min Scan# 569
Delta R.T. 0.00 min
Lab File: VU033195.D
Acq: 11 Jul 2019 16:26

Tgt Ion: 53 Resp: 2790
Ion Ratio Lower Upper
53 100
52 106.3 68.3 102.5#
51 39.5 28.7 43.1





#13
Acetone
Concen: 3.051 ug/l
RT: 2.31 min Scan# 379
Delta R.T. 0.00 min
Lab File: VU033195.D
Acq: 11 Jul 2019 16:26

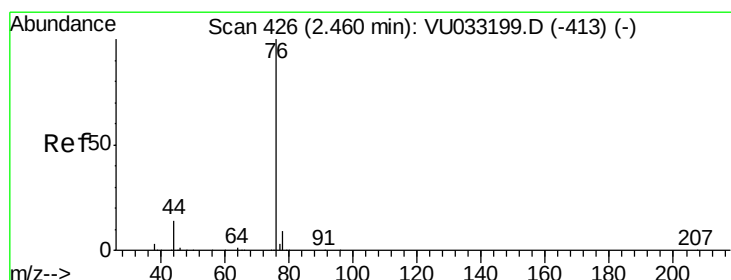
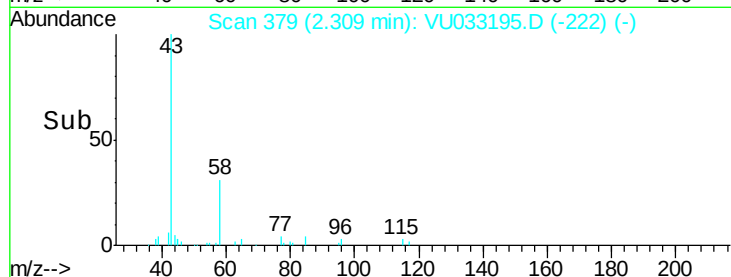
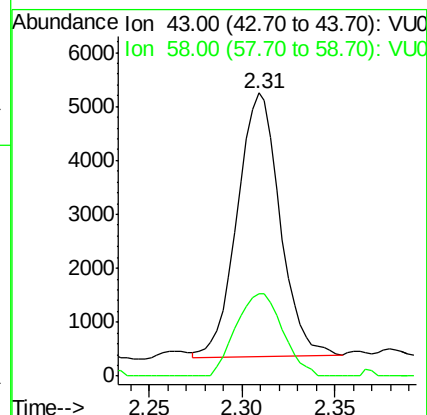
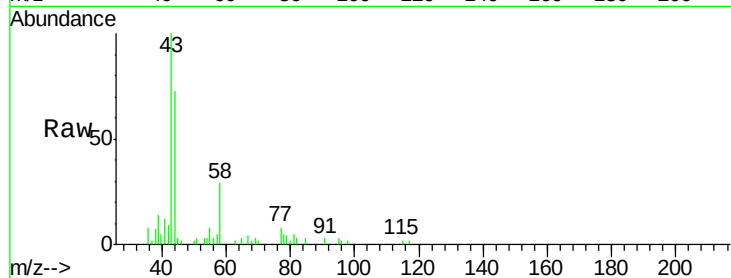
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion: 43 Resp: 7826
Ion Ratio Lower Upper
43 100
58 31.7 27.1 40.7

Manual Integrations
APPROVED

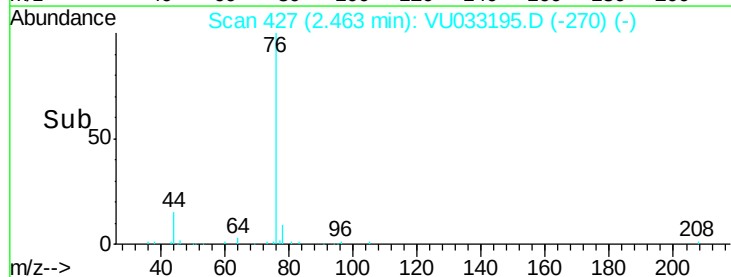
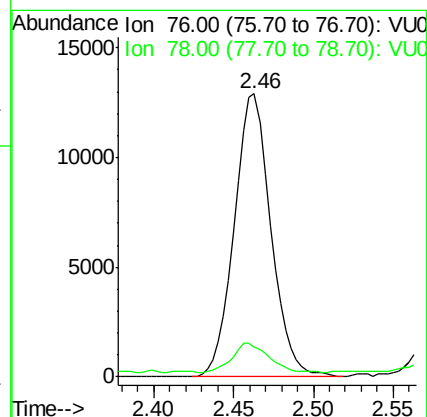
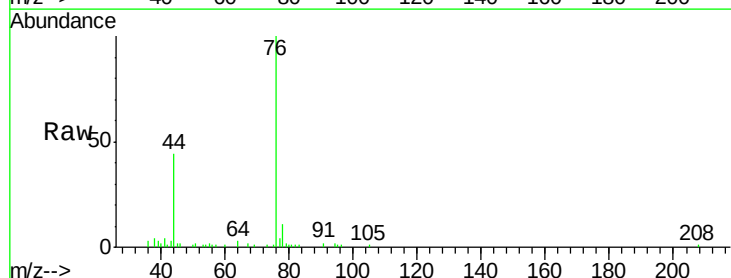
MMDadoda

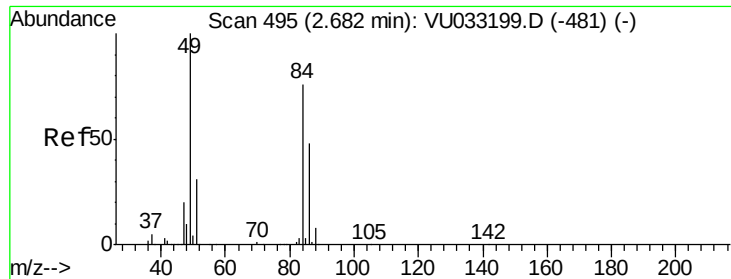
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#14
Carbon Disulfide
Concen: 0.521 ug/l
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VU033195.D
Acq: 11 Jul 2019 16:26

Tgt Ion: 76 Resp: 20074
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.0





#15
Methylene Chloride
Concen: 0.652 ug/l
RT: 2.68 min Scan# 495
Delta R.T. 0.00 min
Lab File: VU033195.D
Acq: 11 Jul 2019 16:26

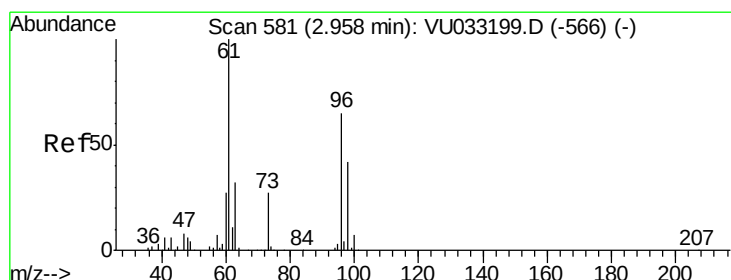
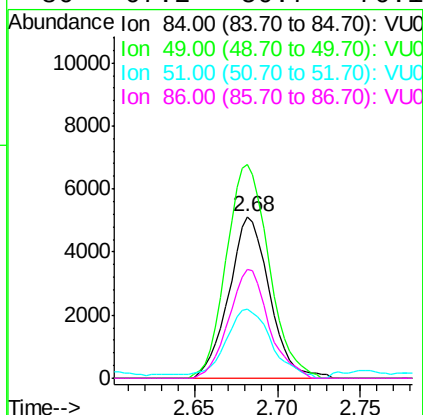
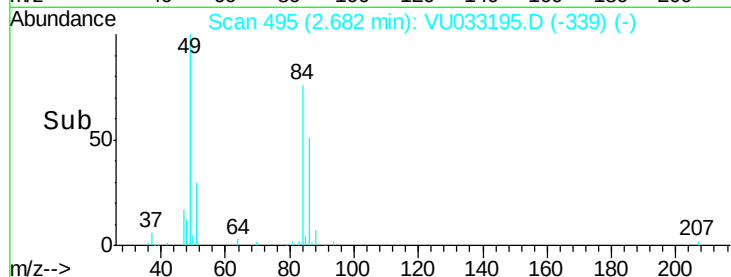
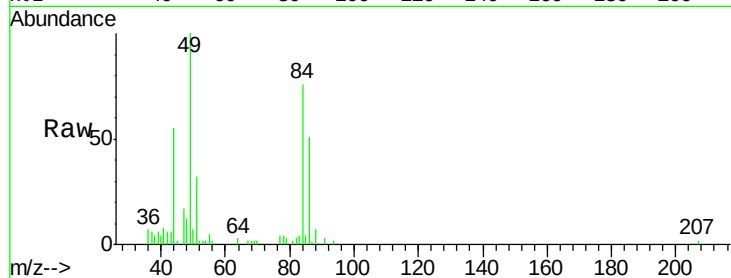
Instrument :
MSVOA_U
ClientSampled :
VSTDIC0.5

Tot Ion:	84	Resp:	8746
Ion	Ratio	Lower	Upper
84	100		
49	132.2	105.8	158.8
51	40.5	0.0	82.0
86	67.2	50.7	76.1

Manual Integrations
APPROVED

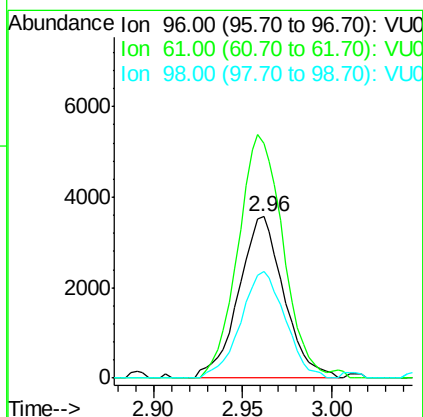
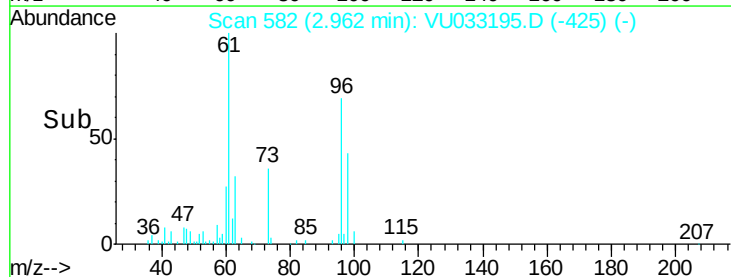
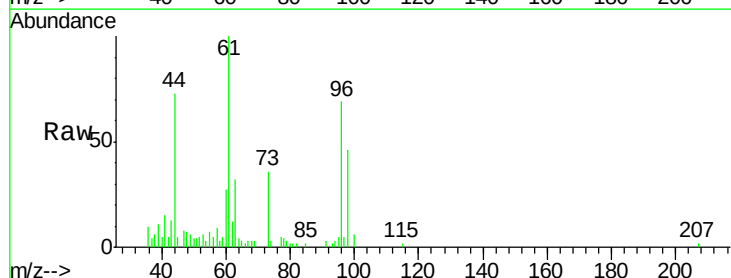
MMDadoda

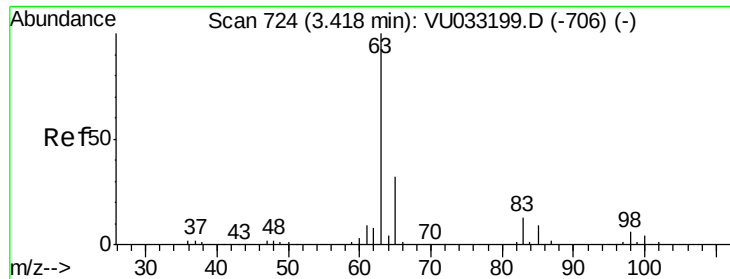
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#16
trans-1,2-Dichloroethene
Concen: 0.530 ug/l
RT: 2.96 min Scan# 582
Delta R.T. 0.00 min
Lab File: VU033195.D
Acq: 11 Jul 2019 16:26

Tgt Ion:	96	Resp:	6340
Ion	Ratio	Lower	Upper
96	100		
61	145.6	122.6	184.0
98	66.4	52.0	78.0





#17
 1,1-Dichloroethane
 Concen: 0.498 ug/l
 RT: 3.42 min Scan# 725
 Delta R.T. 0.00 min
 Lab File: VU033195.D
 Acq: 11 Jul 2019 16:26

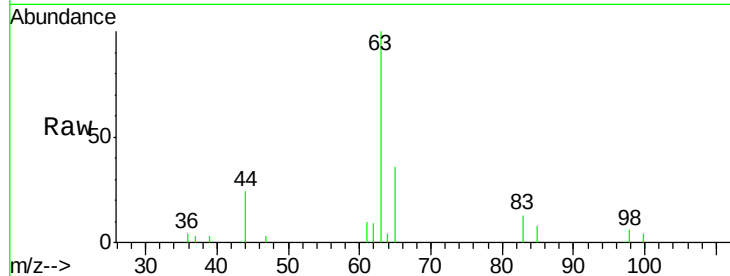
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion:	63	Resp:	8771
Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.3	9.8
100	3.5	1.8	5.4

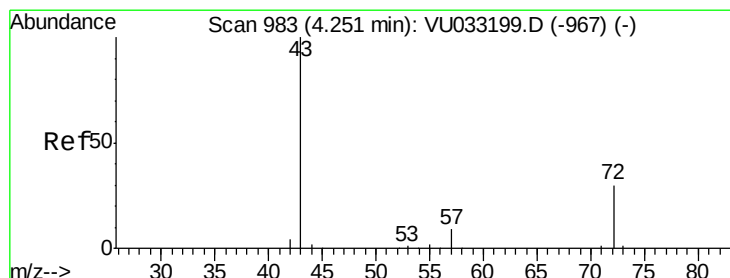
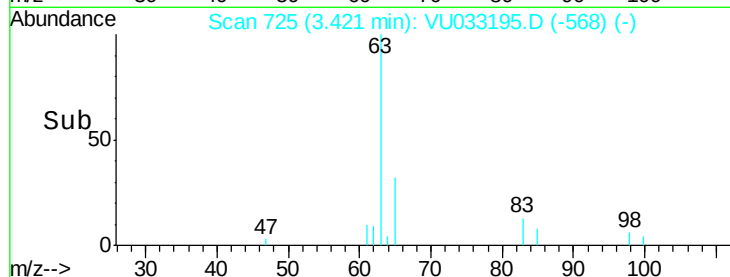
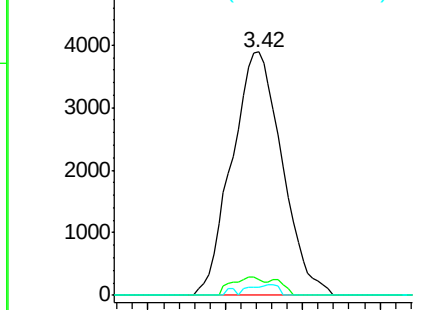
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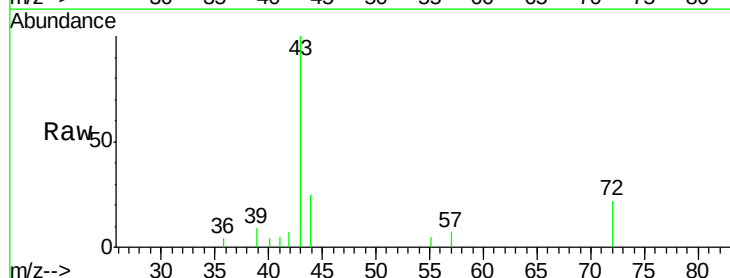


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0
 Ion 100.00 (99.70 to 100.70): VU0

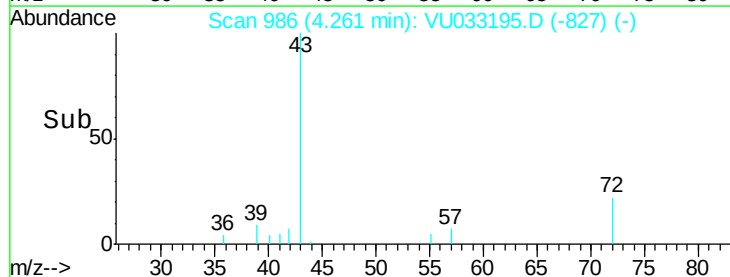
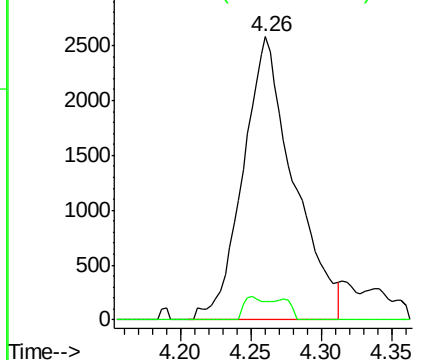


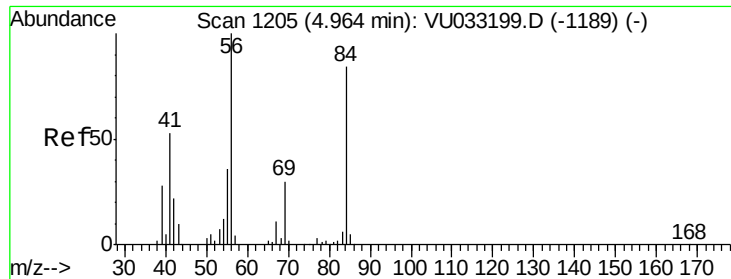
#18
 2-Butanone
 Concen: 2.815 ug/l
 RT: 4.26 min Scan# 986
 Delta R.T. 0.01 min
 Lab File: VU033195.D
 Acq: 11 Jul 2019 16:26

Tgt Ion:	43	Resp:	6472
Ion	Ratio	Lower	Upper
43	100		
57	6.7	0.0	18.4



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





#19
Cyclohexane
Concen: 0.470 ug/l m
RT: 4.96 min Scan# 1205
Delta R.T. 0.00 min
Lab File: VU033195.D
Acq: 11 Jul 2019 16:26

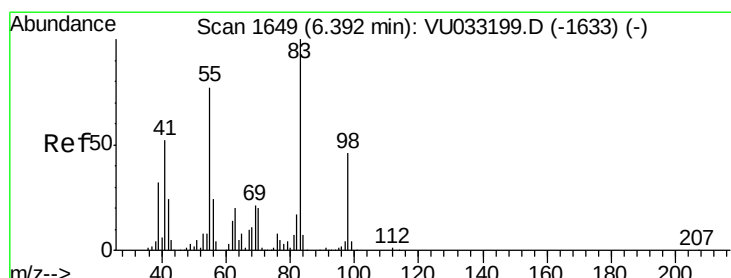
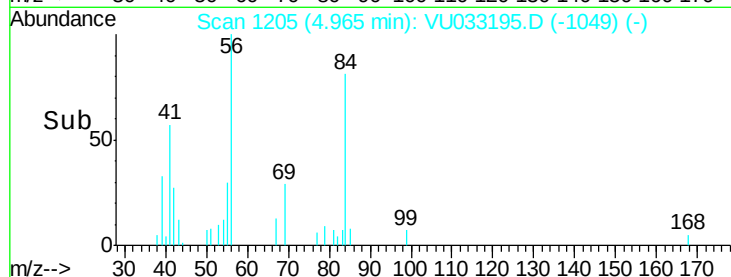
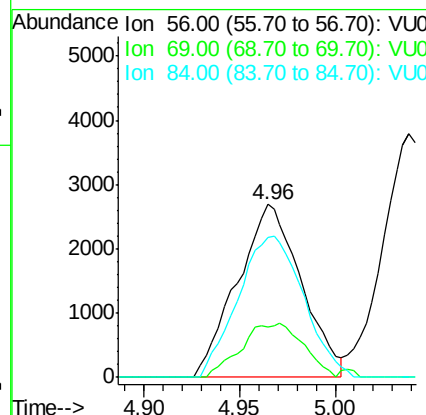
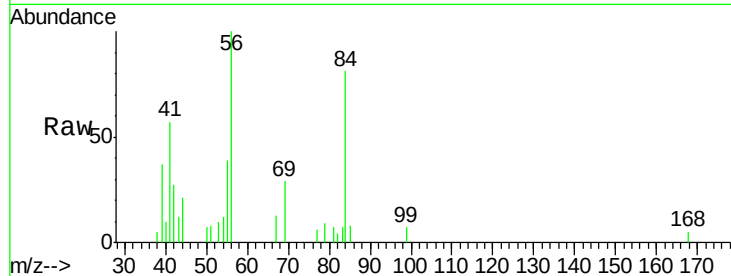
Instrument :
MSVOA_U
ClientSampled :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.1	24.6	37.0
84	83.8	67.5	101.3

Manual Integrations
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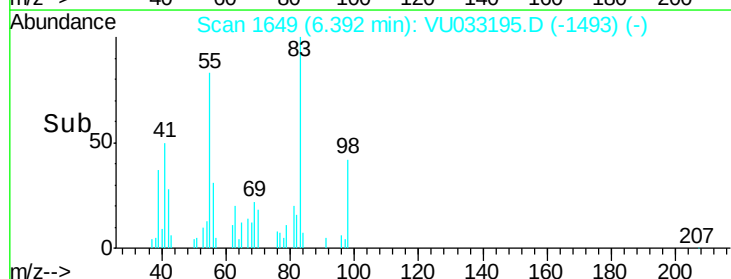
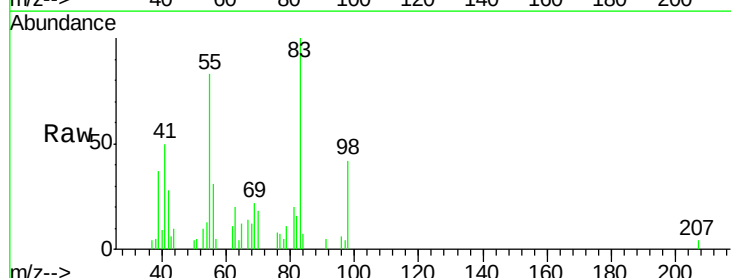
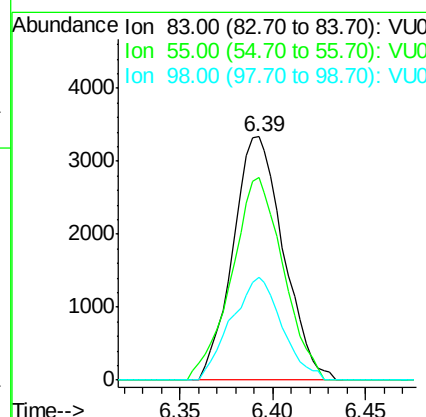
MMDadoda

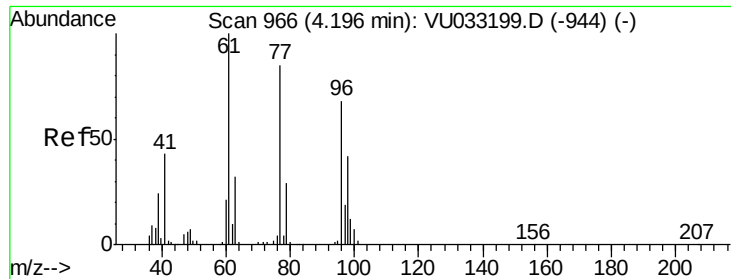
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#20
Methylcyclohexane
Concen: 0.477 ug/l
RT: 6.39 min Scan# 1649
Delta R.T. 0.00 min
Lab File: VU033195.D
Acq: 11 Jul 2019 16:26

Tgt Ion	Ratio	Lower	Upper
83	100		
55	85.1	62.0	93.0
98	42.5	36.3	54.5





#21

2,2-Dichloropropane

Concen: 0.493 ug/l

RT: 4.20 min Scan# 967

Delta R.T. 0.00 min

Lab File: VU033195.D

Acq: 11 Jul 2019 16:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 77 Resp: 7579

Ion Ratio Lower Upper

77 100

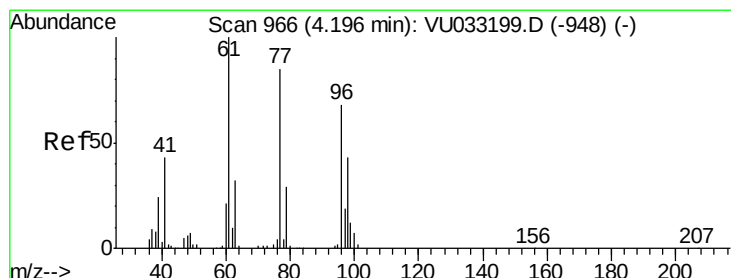
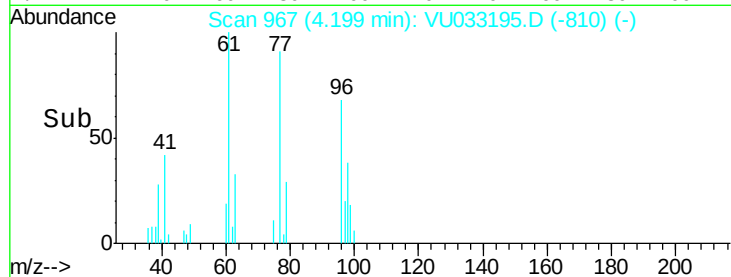
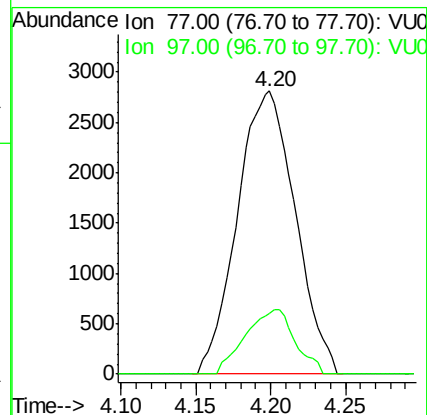
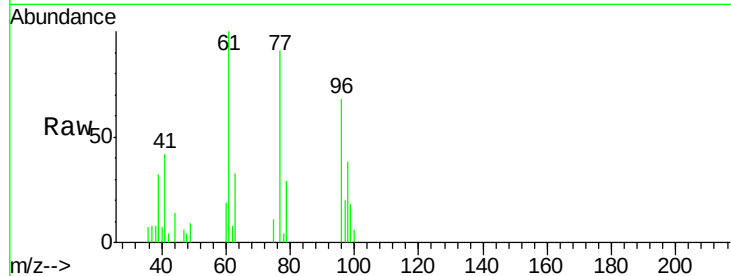
97 19.6 17.6 26.4

Manual Integrations

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#22

cis-1,2-Dichloroethene

Concen: 0.492 ug/l

RT: 4.20 min Scan# 967

Delta R.T. 0.00 min

Lab File: VU033195.D

Acq: 11 Jul 2019 16:26

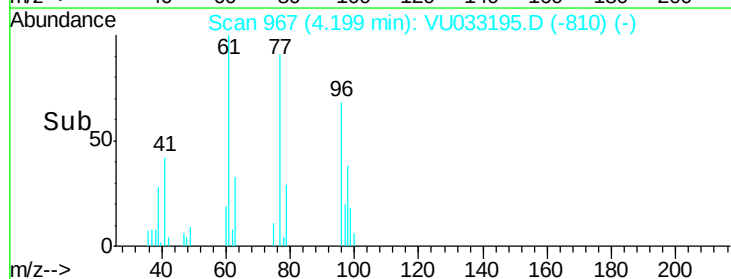
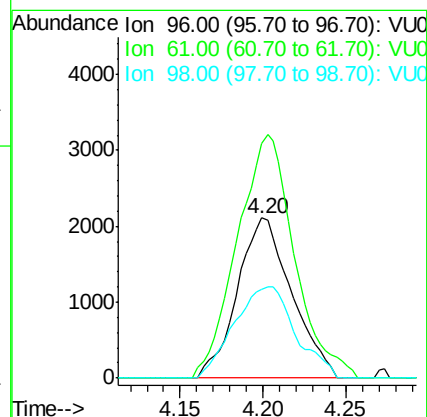
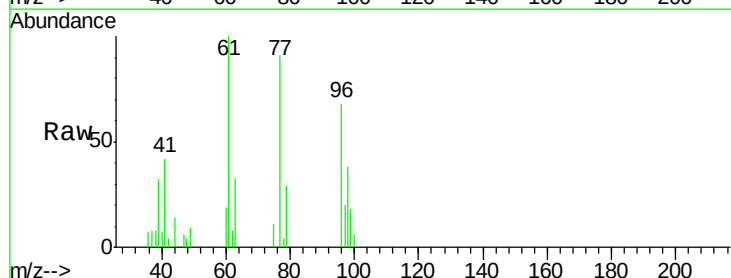
Tgt Ion: 96 Resp: 4801

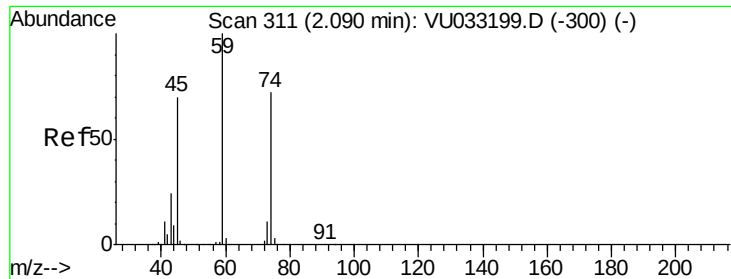
Ion Ratio Lower Upper

96 100

61 159.9 0.0 377.3

98 64.6 32.3 96.8





#23
Diethyl Ether
Concen: 0.567 ug/l
RT: 2.09 min Scan# 311
Delta R.T. 0.00 min
Lab File: VU033195.D
Acq: 11 Jul 2019 16:26

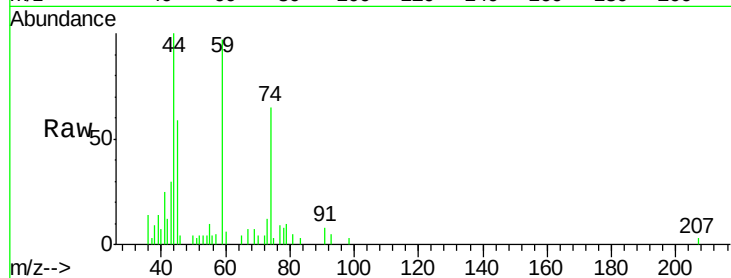
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
59	100		
45	60.5	55.7	83.5
74	69.4	58.1	87.1

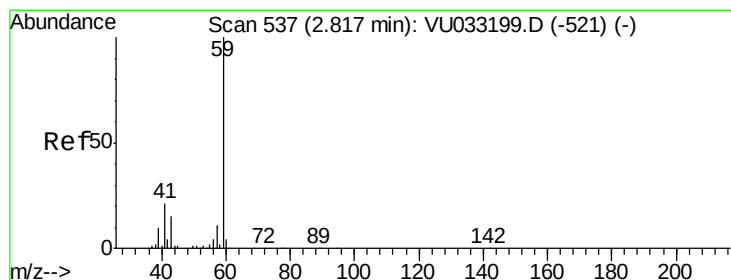
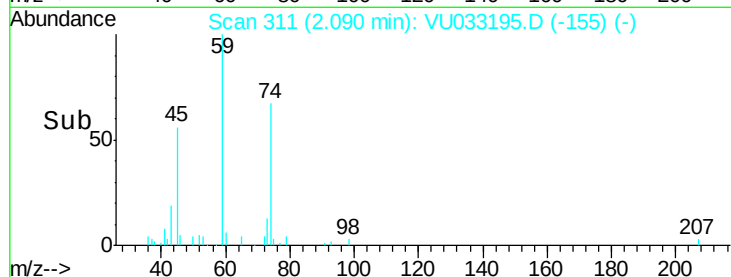
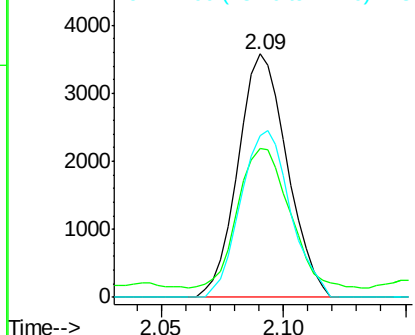
Manual Integrations
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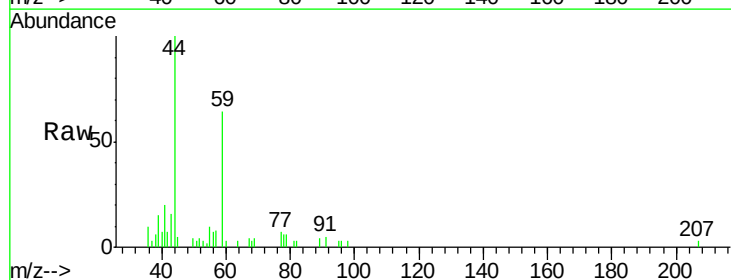


Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 45.00 (44.70 to 45.70): VU0
Ion 74.00 (73.70 to 74.70): VU0

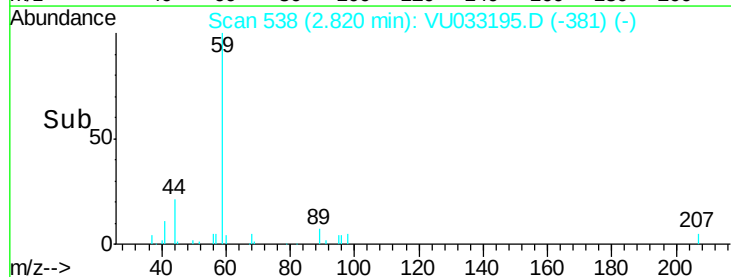
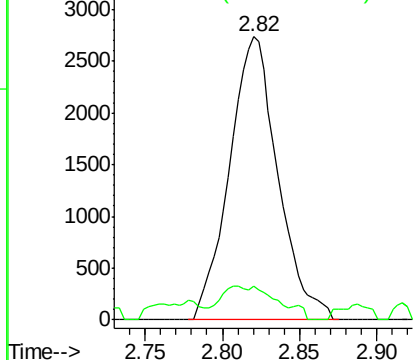


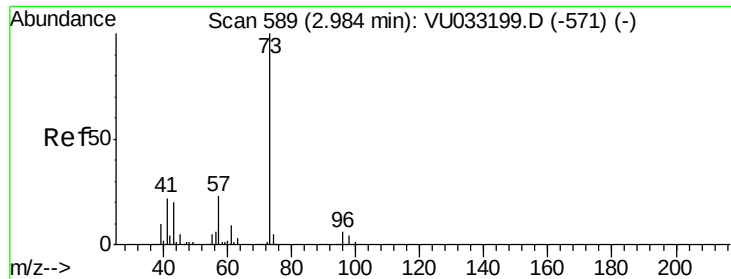
#24
tert-Butyl Alcohol
Concen: 5.326 ug/l
RT: 2.82 min Scan# 538
Delta R.T. 0.00 min
Lab File: VU033195.D
Acq: 11 Jul 2019 16:26

Tgt Ion	Ratio	Lower	Upper
59	100		
57	4.0	8.5	12.7#



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





#25
Methyl tert-Butyl Ether
Concen: 0.521 ug/l
RT: 2.98 min Scan# 589
Delta R.T. 0.00 min
Lab File: VU033195.D
Acq: 11 Jul 2019 16:26

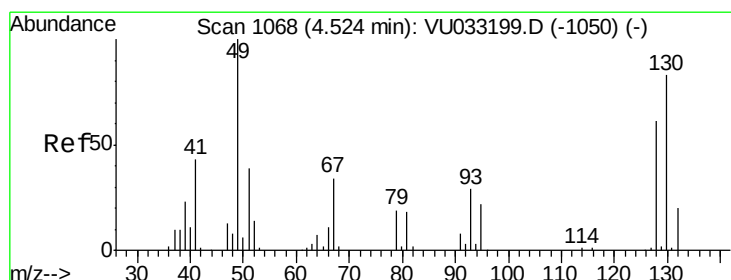
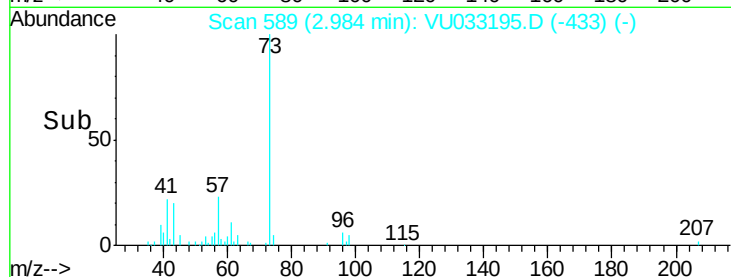
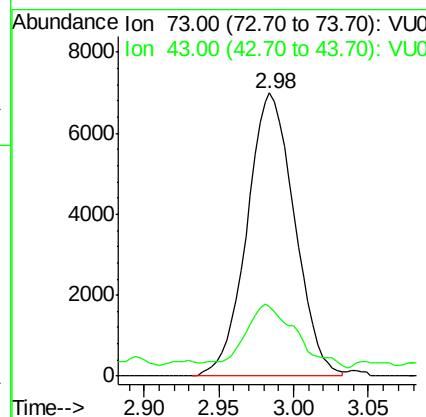
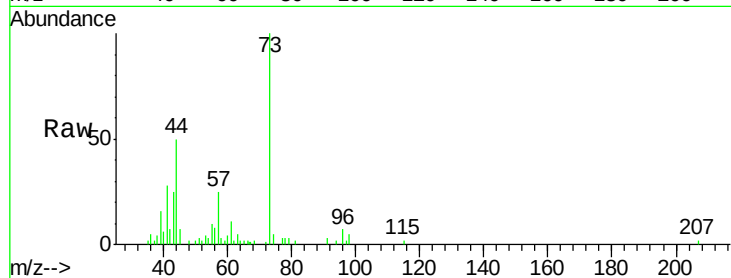
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
73	100		
43	23.3	16.1	24.1

Manual Integrations
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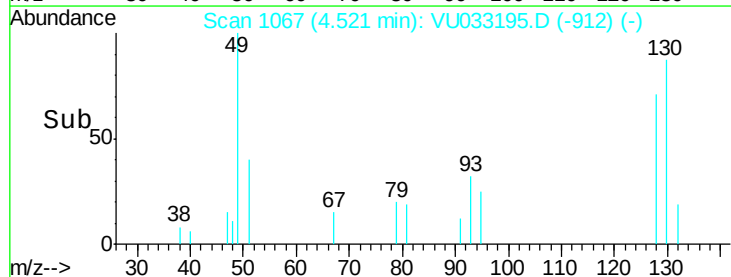
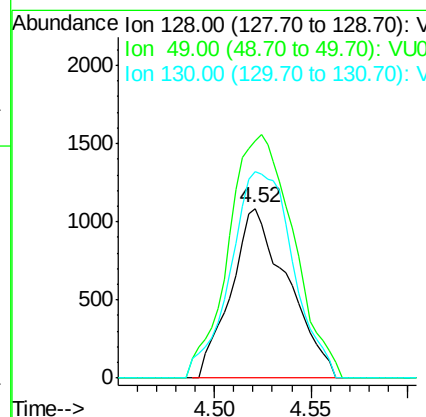
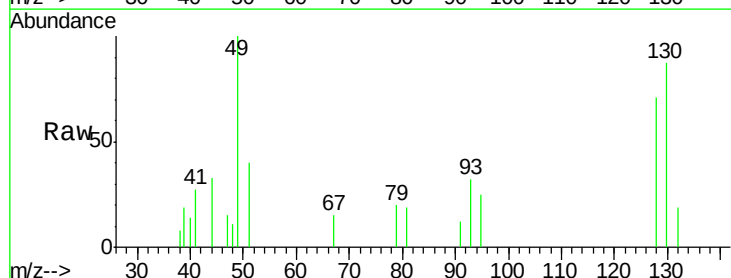
MMDadoda

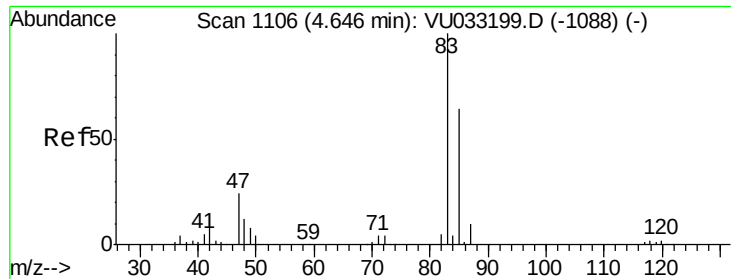
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#26
Bromochloromethane
Concen: 0.509 ug/l
RT: 4.52 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VU033195.D
Acq: 11 Jul 2019 16:26

Tgt Ion	Ratio	Lower	Upper
128	100		
49	163.2	0.0	328.6
130	134.3	104.1	156.1





#27
Chloroform
Concen: 0.554 ug/l
RT: 4.65 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VU033195.D
Acq: 11 Jul 2019 16:26

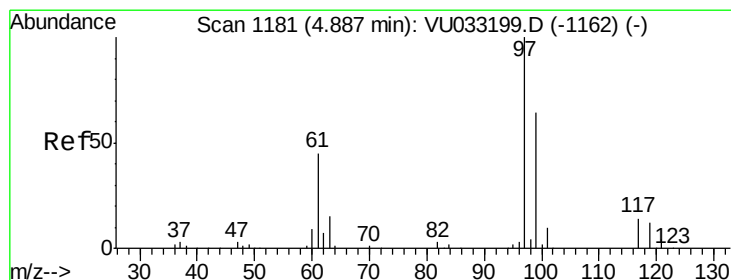
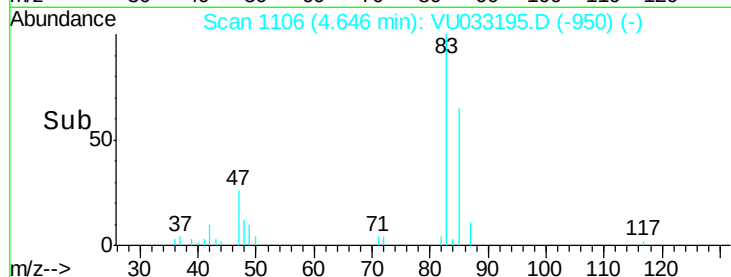
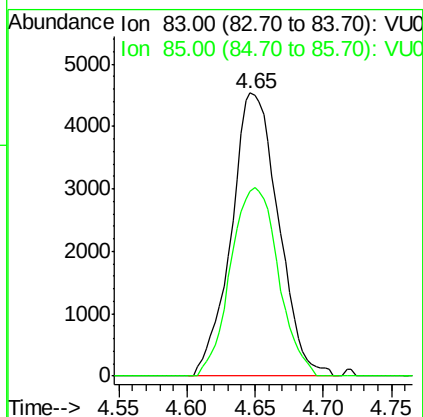
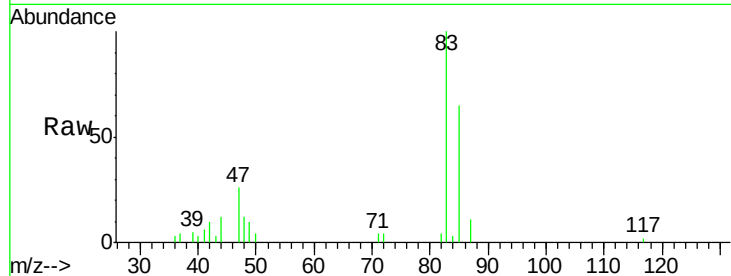
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	83	Resp	10895
Ion Ratio	100	Lower	Upper
85	65.2	0.0	128.4

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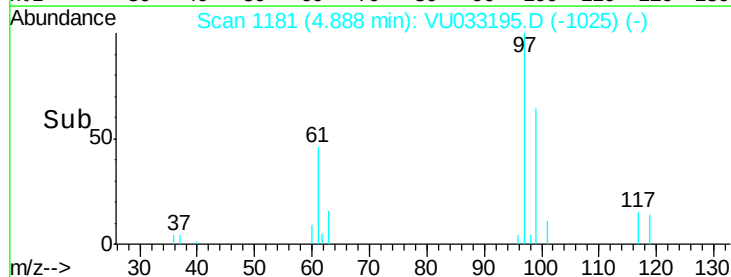
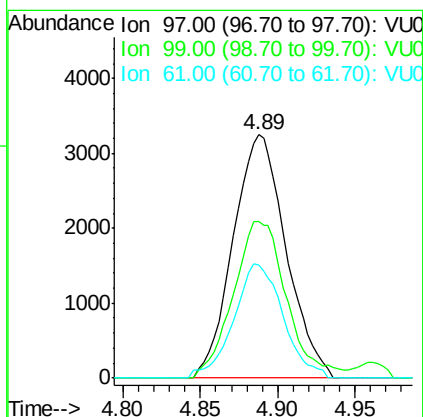
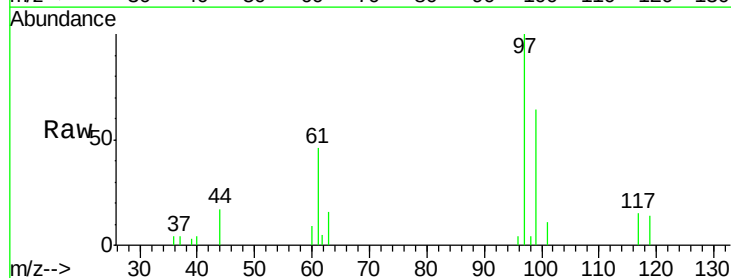
MMDadoda

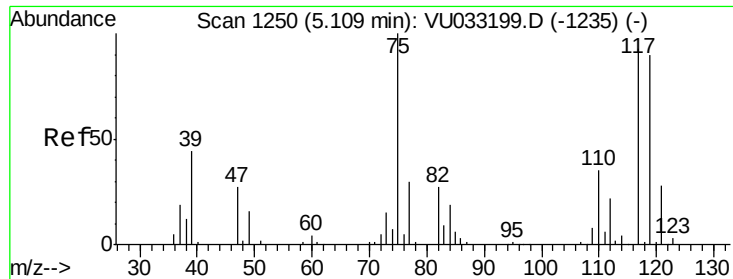
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#28
1,1,1-Trichloroethane
Concen: 0.501 ug/l
RT: 4.89 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VU033195.D
Acq: 11 Jul 2019 16:26

Tgt Ion	97	Resp	7717
Ion Ratio	100	Lower	Upper
99	64.9	31.9	95.5
61	43.7	22.6	67.7





#29
 1,1-Dichloropropene
 Concen: 0.478 ug/l
 RT: 5.11 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VU033195.D
 Acq: 11 Jul 2019 16:26

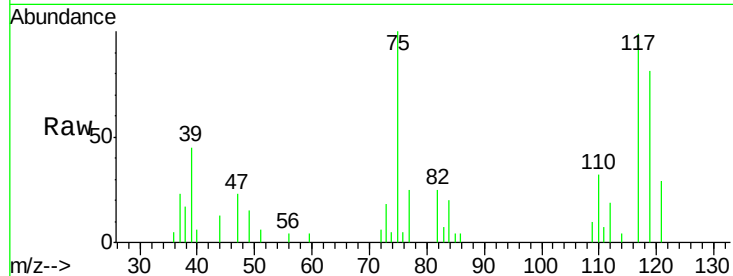
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
75	100		
110	34.2	17.5	52.6
77	29.7	24.6	37.0

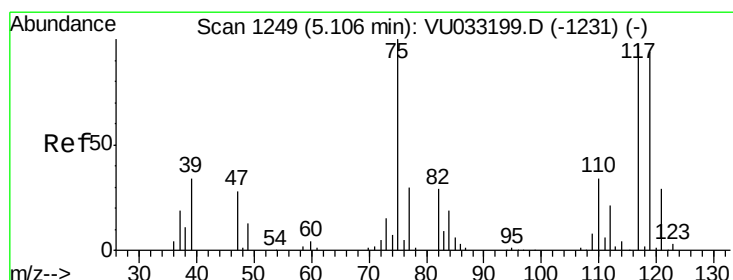
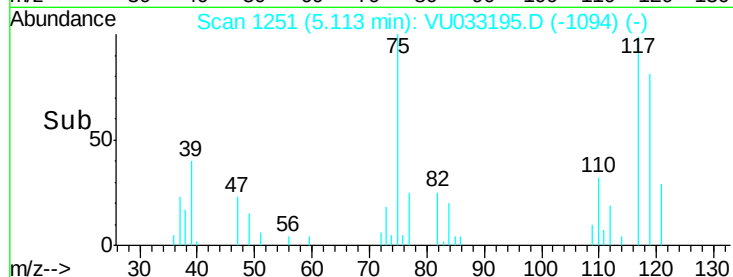
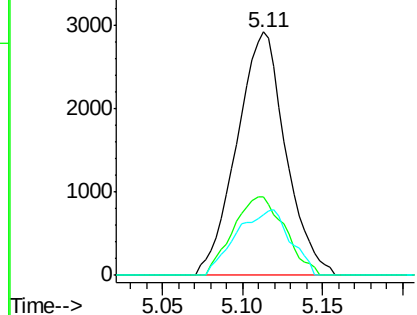
Manual Integrations
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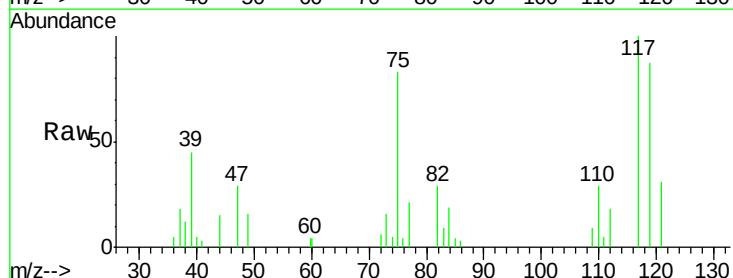


Abundance Ion 75.00 (74.70 to 75.70): VU033195.D (-1235) (-)
 Ion 110.00 (109.70 to 110.70): VU033195.D (-1235) (-)
 Ion 77.00 (76.70 to 77.70): VU033195.D (-1235) (-)

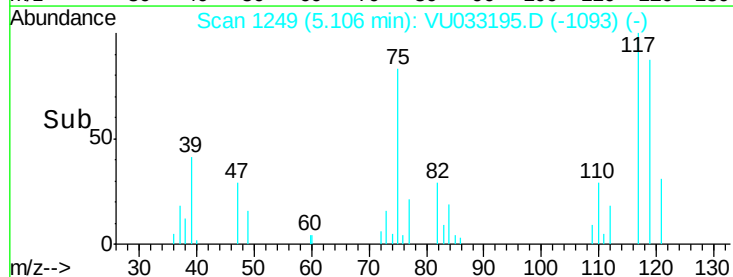
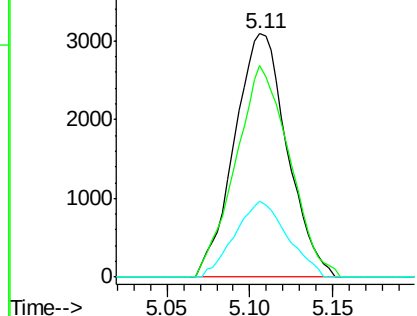


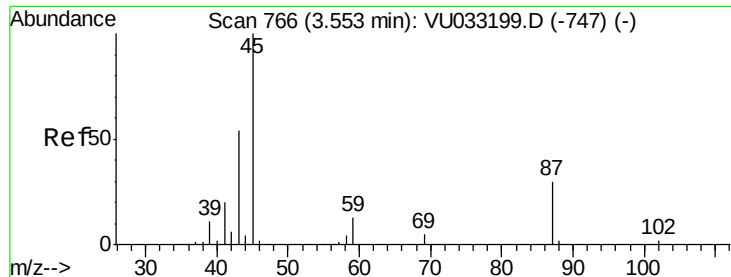
#30
 Carbon Tetrachloride
 Concen: 0.496 ug/l
 RT: 5.11 min Scan# 1249
 Delta R.T. 0.00 min
 Lab File: VU033195.D
 Acq: 11 Jul 2019 16:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	87.2	77.4	116.0
121	30.9	24.2	36.2



Abundance Ion 117.00 (116.70 to 117.70): VU033195.D (-1231) (-)
 Ion 119.00 (118.70 to 119.70): VU033195.D (-1231) (-)
 Ion 121.00 (120.70 to 121.70): VU033195.D (-1231) (-)





#31

Isopropyl Ether

Concen: 0.489 ug/l

RT: 3.56 min Scan# 767

Delta R.T. 0.00 min

Lab File: VU033195.D

Acq: 11 Jul 2019 16:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 45 Resp: 11383

Ion Ratio Lower Upper

45 100

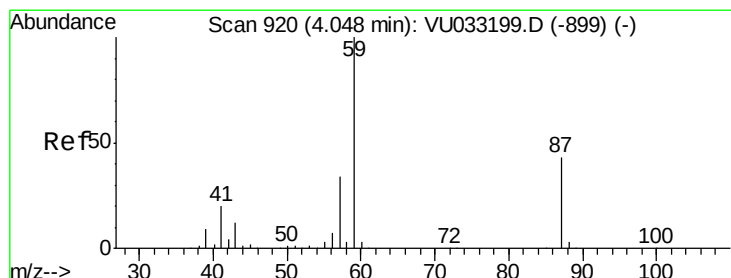
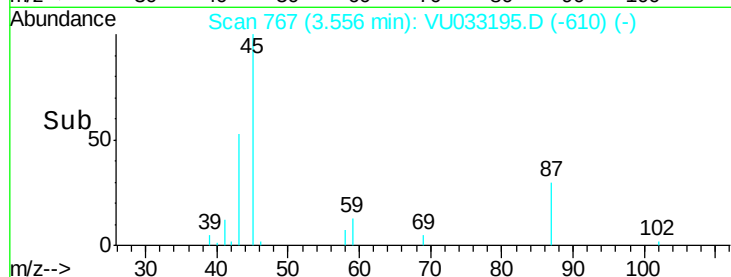
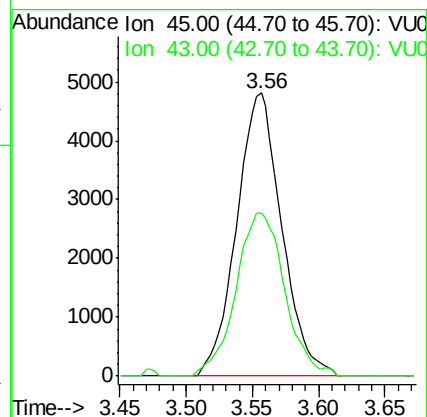
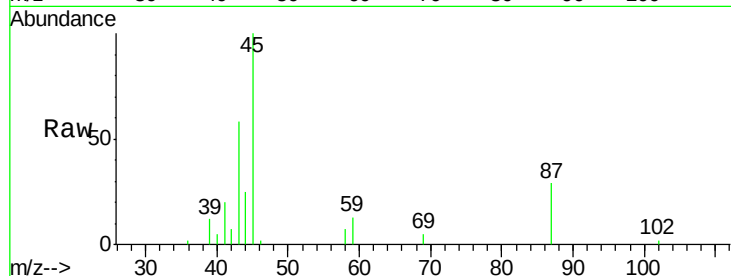
43 62.4 27.3 81.8

Manual Integrations

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#32

Ethyl-t-butyl ether

Concen: 0.488 ug/l

RT: 4.05 min Scan# 920

Delta R.T. 0.00 min

Lab File: VU033195.D

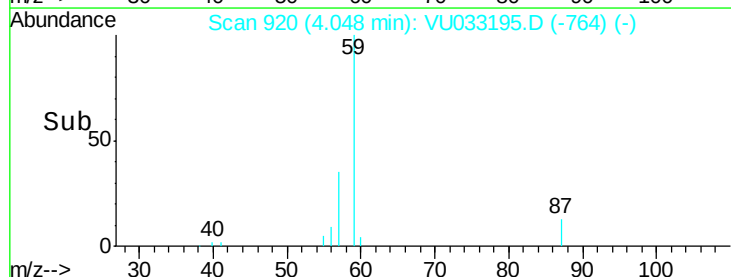
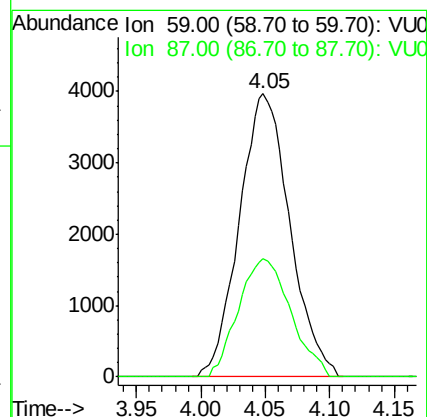
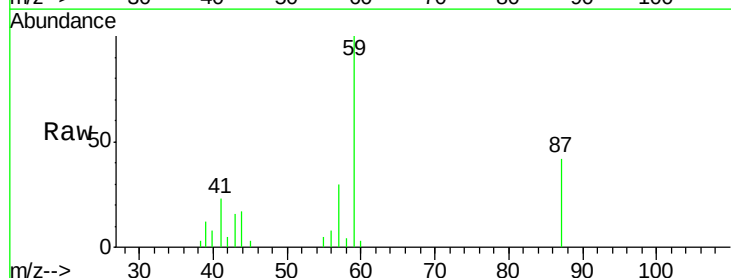
Acq: 11 Jul 2019 16:26

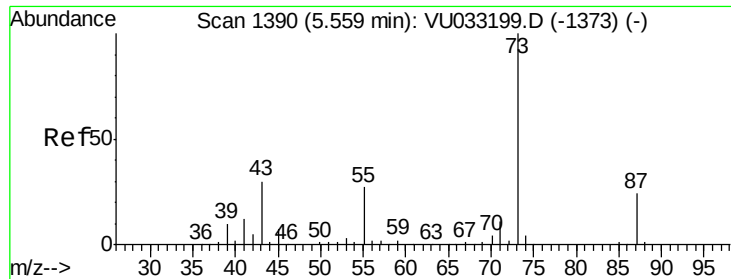
Tgt Ion: 59 Resp: 10826

Ion Ratio Lower Upper

59 100

87 43.0 34.5 51.7





#33
Tert-Butyl methyl ether
Concen: 0.470 ug/l
RT: 5.56 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VU033195.D
Acq: 11 Jul 2019 16:26

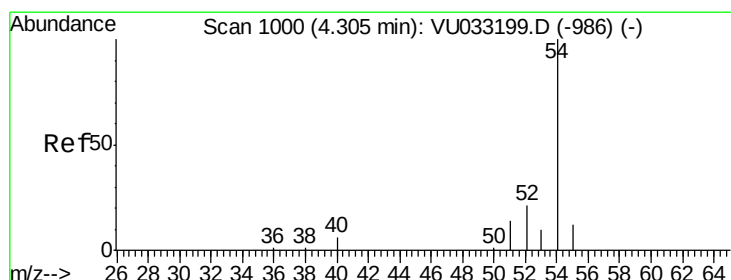
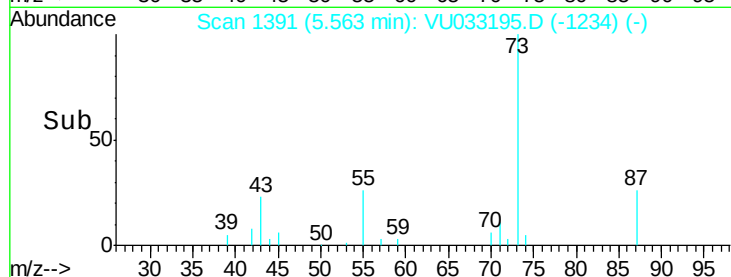
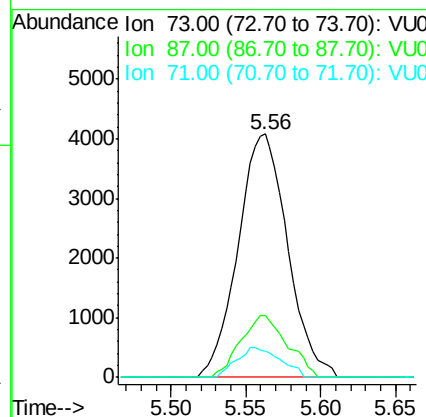
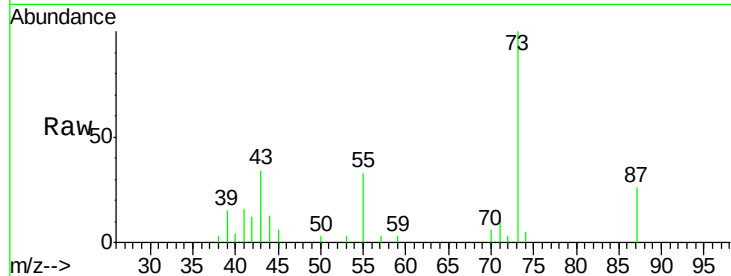
Instrument :
MSVOA_U
ClientSampled :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
73	100		
87	23.8	19.8	29.6
71	10.8	9.1	13.7

Manual Integrations
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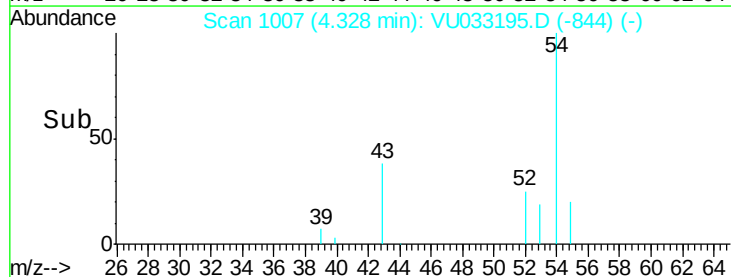
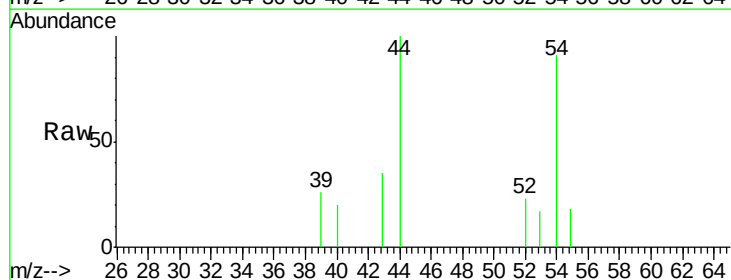
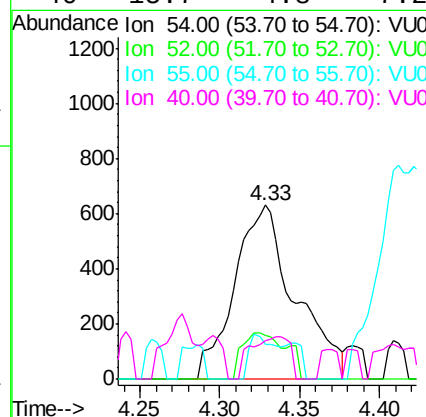
MMDadoda

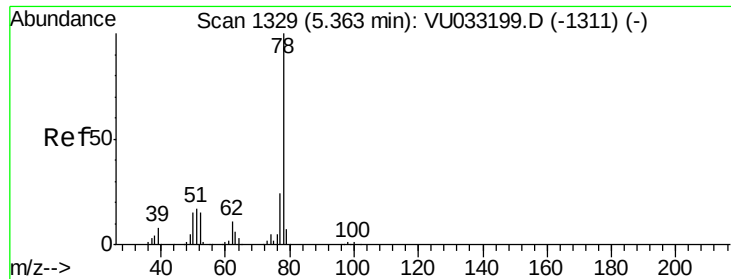
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#34
Propionitrile
Concen: 2.464 ug/l
RT: 4.33 min Scan# 1007
Delta R.T. 0.02 min
Lab File: VU033195.D
Acq: 11 Jul 2019 16:26

Tgt Ion	Ratio	Lower	Upper
54	100		
52	19.2	16.7	25.1
55	10.9	12.9	19.3#
40	15.7	4.8	7.2#





#35

Benzene

Concen: 0.494 ug/l

RT: 5.36 min Scan# 1329

Delta R.T. 0.00 min

Lab File: VU033195.D

Acq: 11 Jul 2019 16:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 78 Resp: 18306

Ion Ratio Lower Upper

78 100

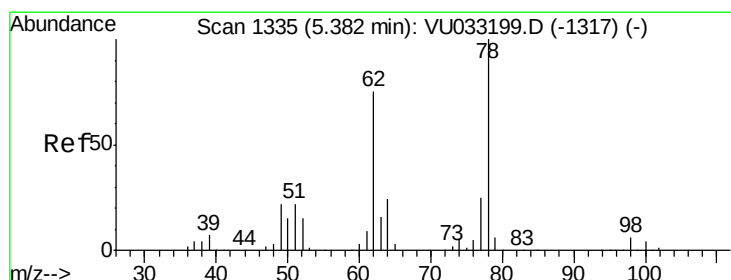
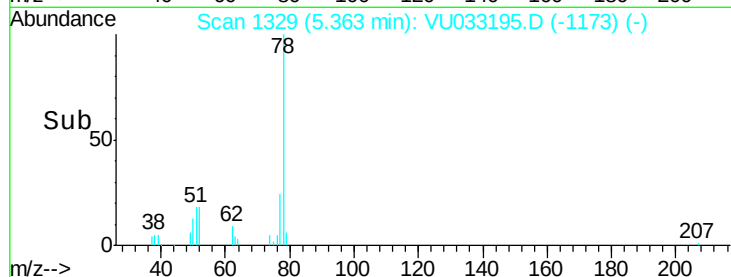
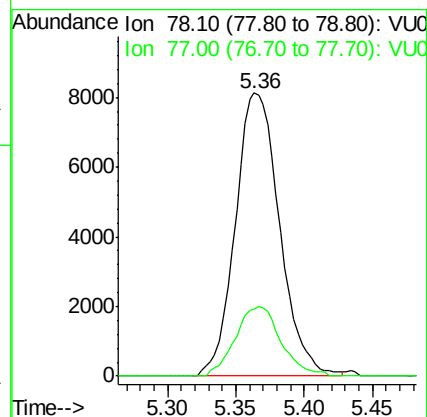
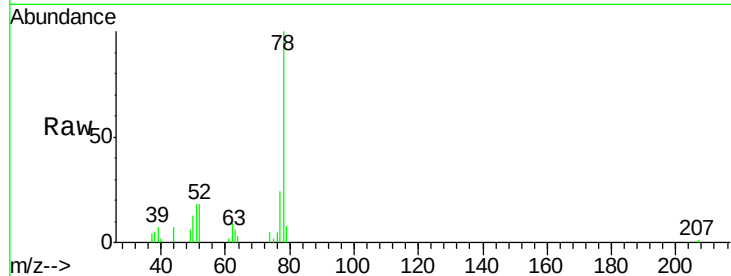
77 23.9 19.3 28.9

Manual Integrations

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#36

1,2-Dichloroethane

Concen: 0.516 ug/l

RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU033195.D

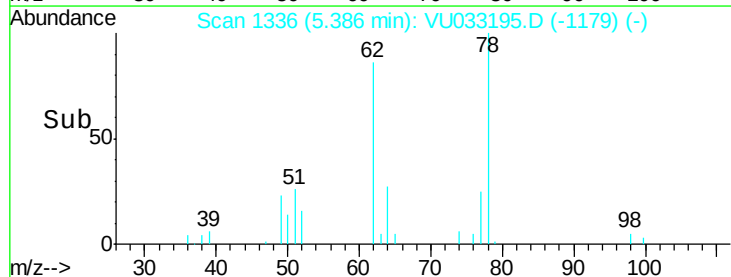
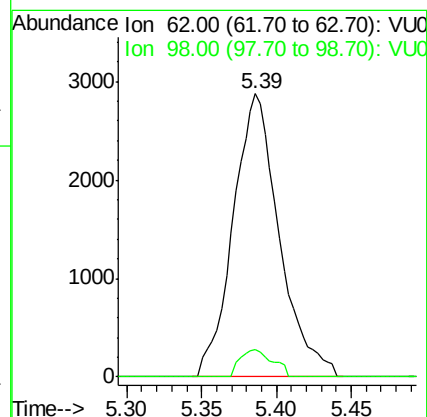
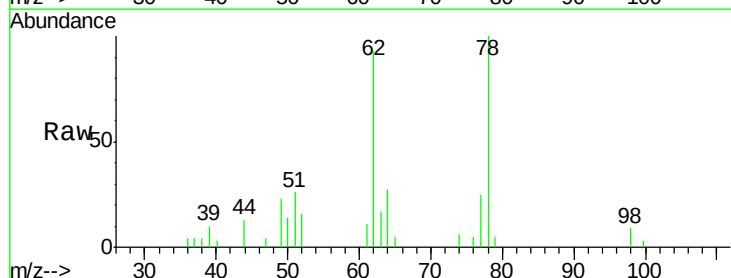
Acq: 11 Jul 2019 16:26

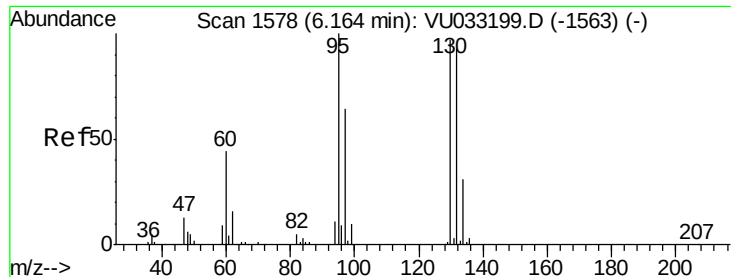
Tgt Ion: 62 Resp: 6173

Ion Ratio Lower Upper

62 100

98 6.8 6.7 10.1





#37

Trichloroethene

Concen: 0.503 ug/l

RT: 6.17 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VU033195.D

Acq: 11 Jul 2019 16:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion:130 Resp: 4815

Ion Ratio Lower Upper

130 100

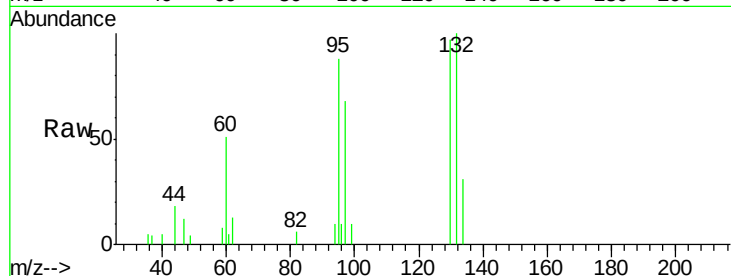
95 90.9 82.4 123.6

Manual Integrations

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VU0

6.17

2500

2000

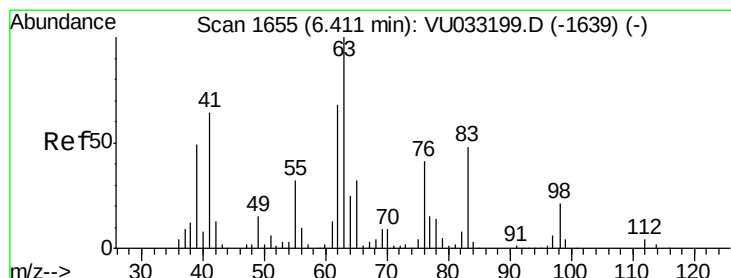
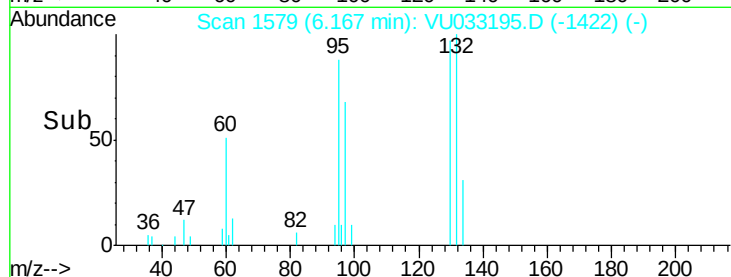
1500

1000

500

0

Time-->



#38

1,2-Dichloropropane

Concen: 0.489 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU033195.D

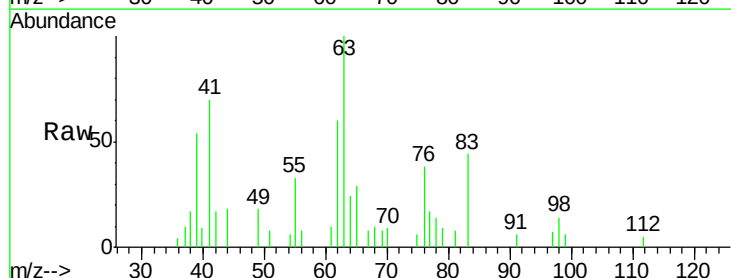
Acq: 11 Jul 2019 16:26

Tgt Ion: 63 Resp: 4987

Ion Ratio Lower Upper

63 100

65 29.3 25.3 37.9



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 65.00 (64.70 to 65.70): VU0

6.41

3000

2500

2000

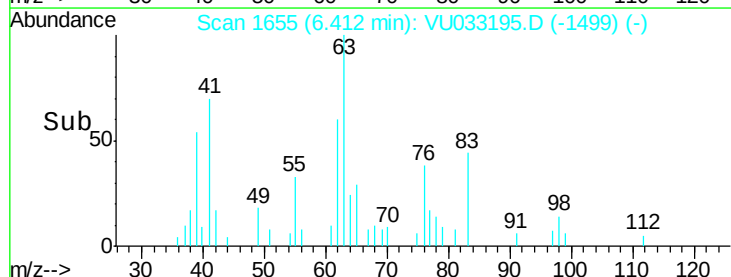
1500

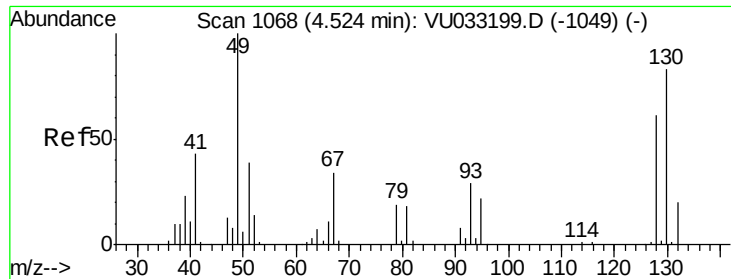
1000

500

0

Time-->





#39
Methacrylonitrile
Concen: 0.549 ug/l
RT: 4.54 min Scan# 1073
Delta R.T. 0.02 min
Lab File: VU033195.D
Acq: 11 Jul 2019 16:26

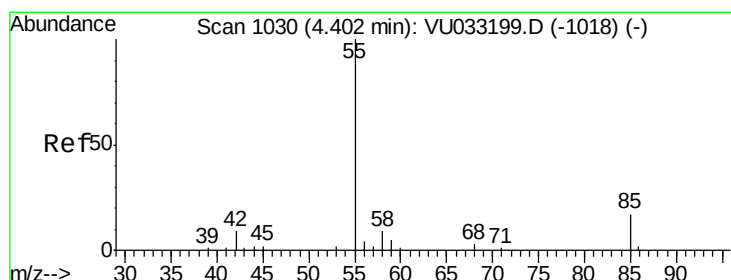
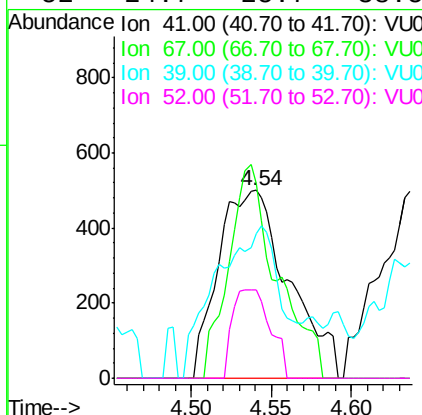
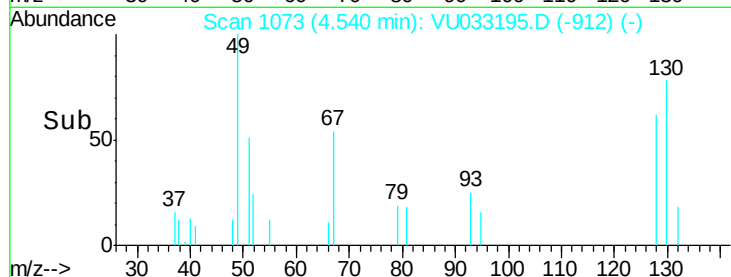
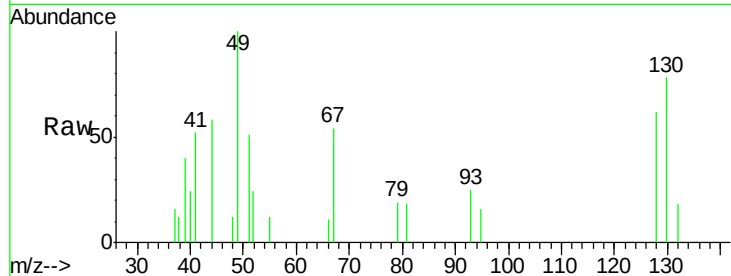
Instrument :
MSVOA_U
ClientSampled :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
41	100		
67	77.4	61.0	91.4
39	73.9	44.4	66.6#
52	24.7	25.7	38.5#

Manual Integrations
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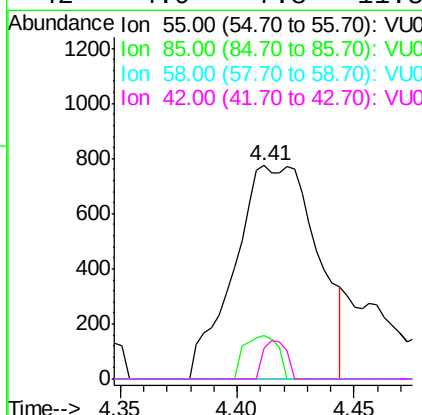
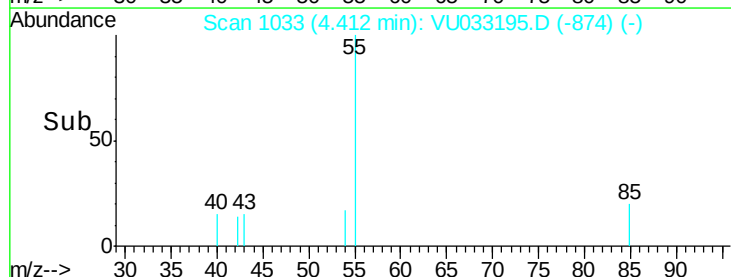
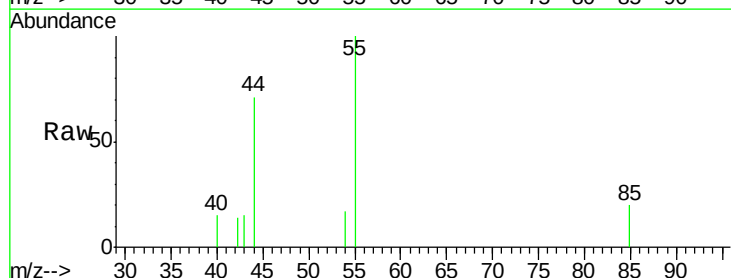
MMDadoda

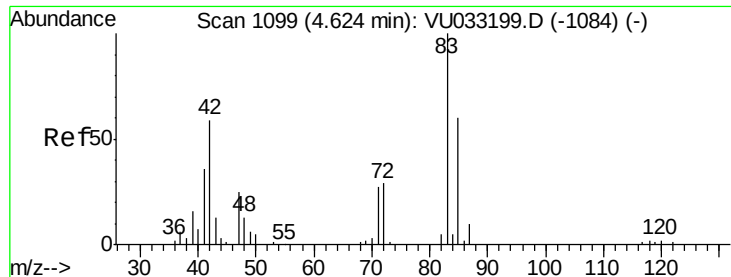
7/16/2019 4:03:04 PM



#40
Methyl acrylate
Concen: 0.460 ug/l m
RT: 4.41 min Scan# 1033
Delta R.T. 0.01 min
Lab File: VU033195.D
Acq: 11 Jul 2019 16:26

Tgt Ion	Ratio	Lower	Upper
55	100		
85	0.0	13.0	19.6#
58	0.0	7.0	10.4#
42	4.9	7.8	11.8#





#41

Tetrahydrofuran

Concen: 1.071 ug/l

RT: 4.64 min Scan# 1103

Delta R.T. 0.01 min

Lab File: VU033195.D

Acq: 11 Jul 2019 16:26

Instrument :

MSVOA_U

ClientSampleId :

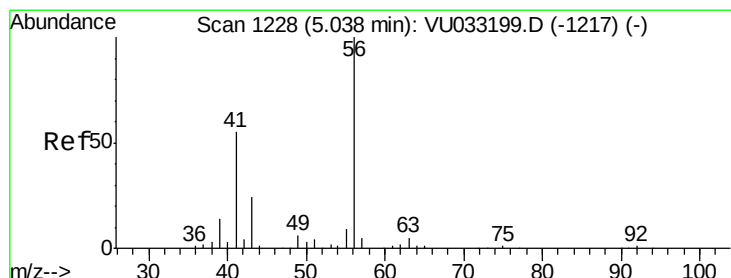
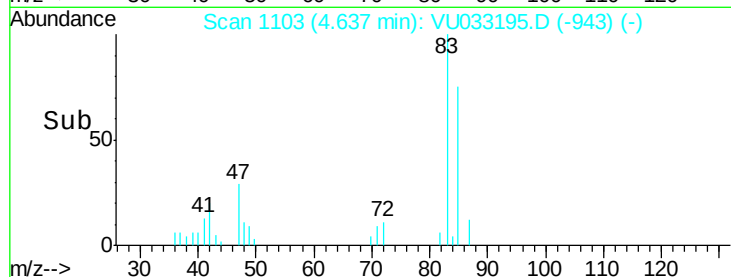
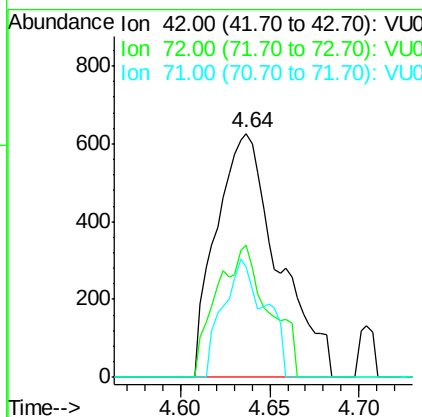
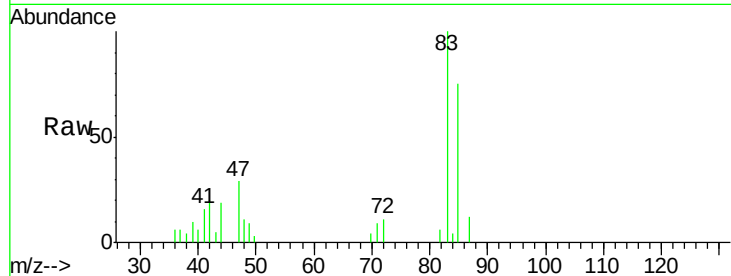
VSTDIC0.5

Tot Ion:	42	Resp:	1509
Ion	Ratio	Lower	Upper
42	100		
72	45.4	40.7	61.1
71	33.2	35.4	53.0#

Manual Integrations
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#42

1-Chlorobutane

Concen: 0.479 ug/l

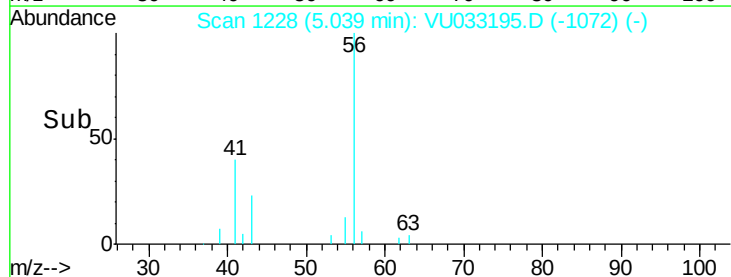
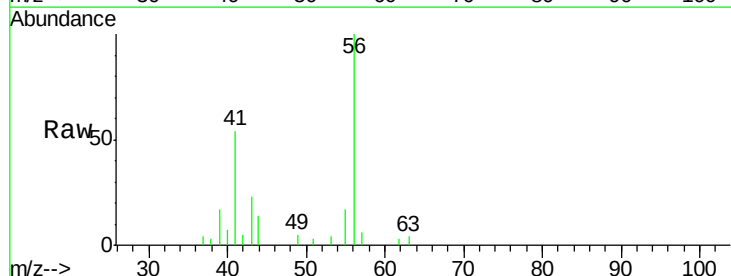
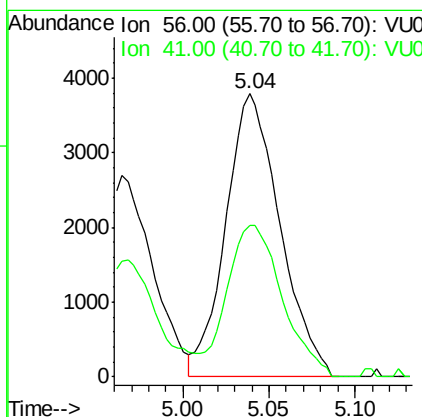
RT: 5.04 min Scan# 1228

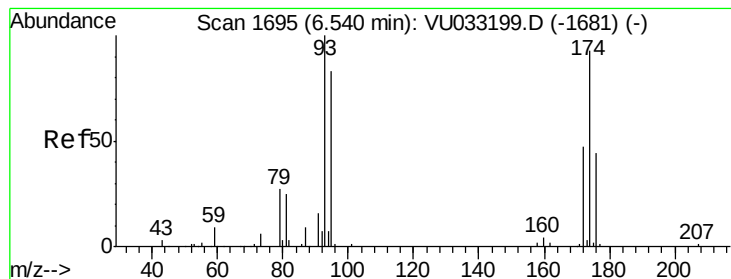
Delta R.T. 0.00 min

Lab File: VU033195.D

Acq: 11 Jul 2019 16:26

Tgt Ion:	56	Resp:	8293
Ion	Ratio	Lower	Upper
56	100		
41	54.7	26.5	79.4





#43

Dibromomethane

Concen: 0.487 ug/l

RT: 6.54 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU033195.D

Acq: 11 Jul 2019 16:26

Instrument :

MSVOA_U

ClientSampleId :

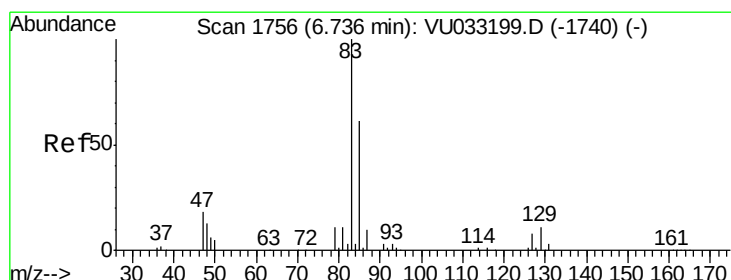
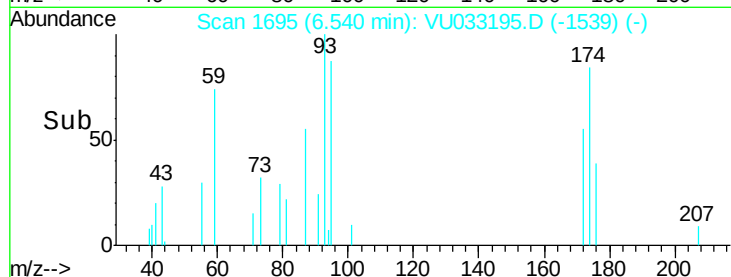
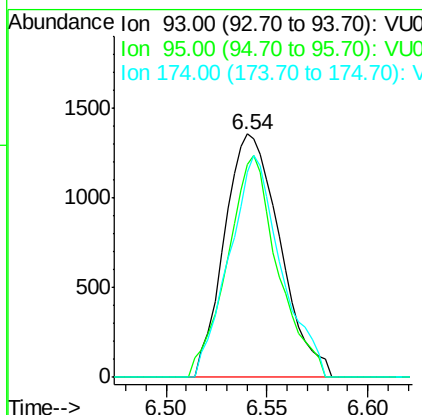
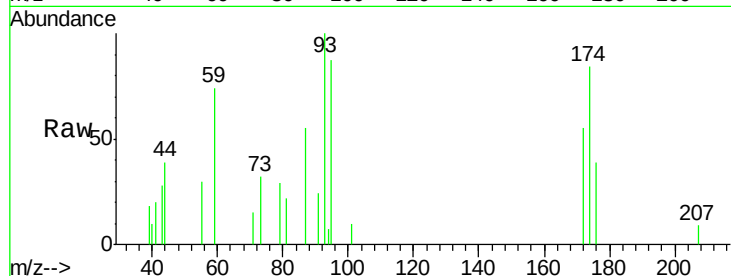
VSTDIC0.5

Tot Ion:	93	Resp:	2610
Ion	Ratio	Lower	Upper
93	100		
95	82.7	67.5	101.3
174	84.6	74.2	111.2

Manual Integrations
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7/16/2019 4:03:04 PM



#44

Bromodichloromethane

Concen: 0.510 ug/l

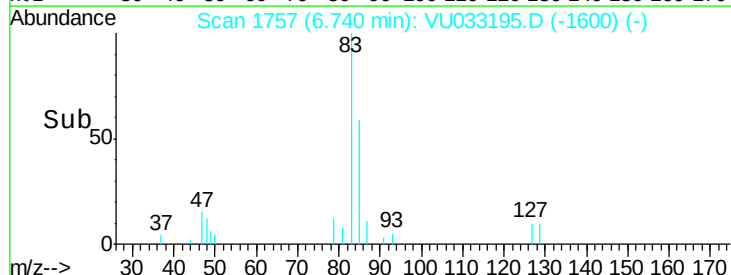
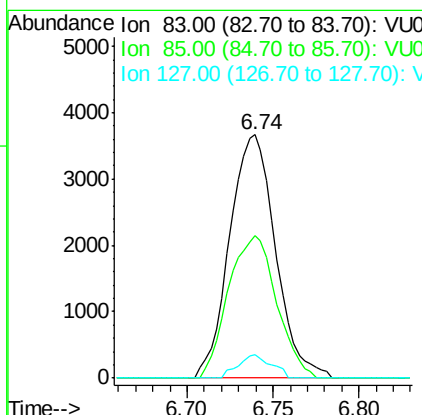
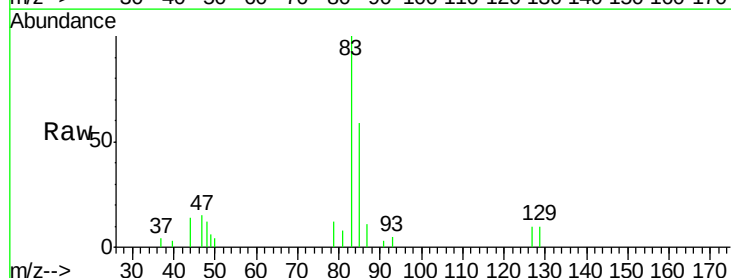
RT: 6.74 min Scan# 1757

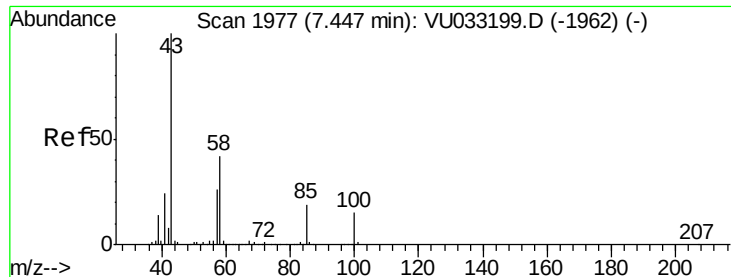
Delta R.T. 0.00 min

Lab File: VU033195.D

Acq: 11 Jul 2019 16:26

Tgt Ion:	83	Resp:	6796
Ion	Ratio	Lower	Upper
83	100		
85	58.8	49.1	73.7
127	9.7	6.6	9.8





#45

4-Methyl-2-Pentanone

Concen: 2.414 ug/l

RT: 7.45 min Scan# 1977

Delta R.T. 0.00 min

Lab File: VU033195.D

Acq: 11 Jul 2019 16:26

Instrument :

MSVOA_U

ClientSampleId :

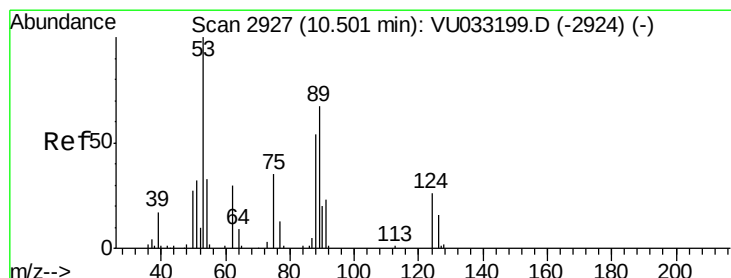
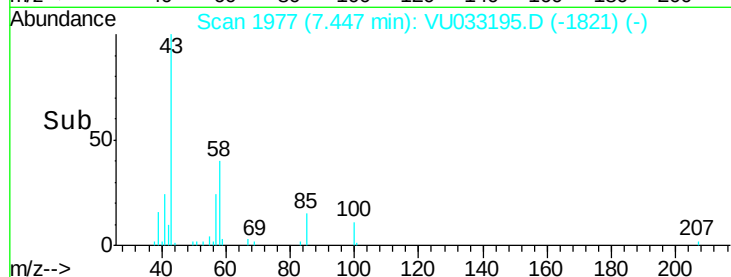
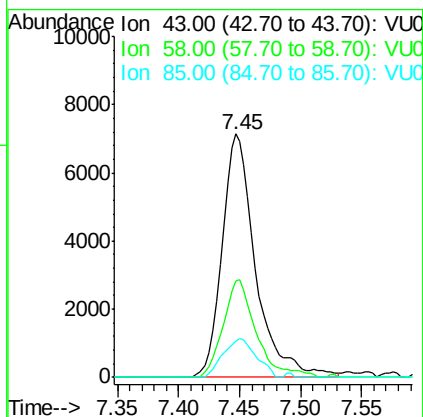
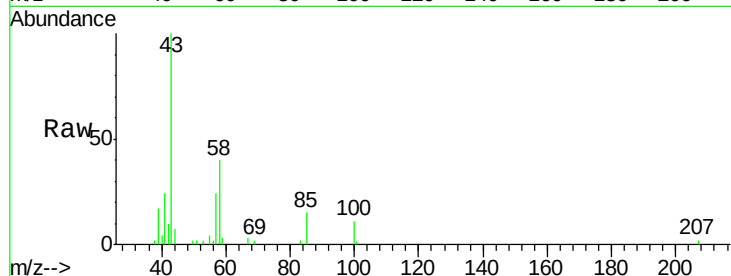
VSTDIC0.5

Tot Ion:	43	Resp:	13713
Ion	Ratio	Lower	Upper
43	100		
58	39.5	20.4	61.2
85	15.7	14.7	22.1

Manual Integrations
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#46

t-1,4-Dichloro-2-butene

Concen: 0.692 ug/l m

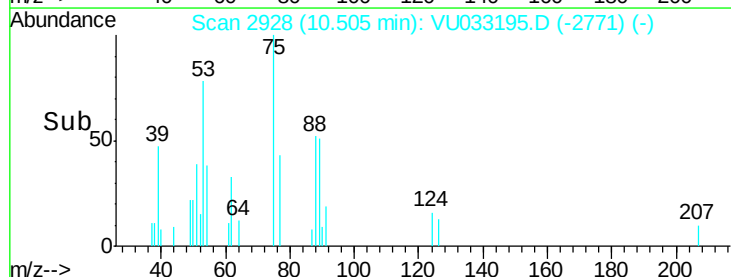
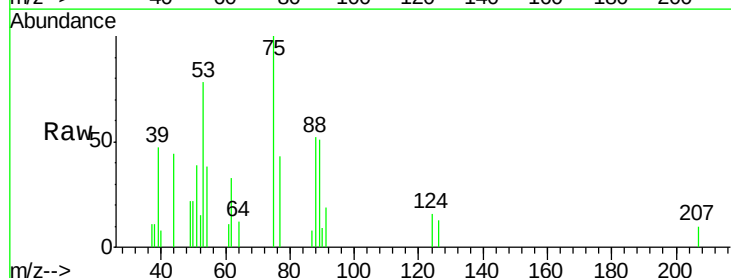
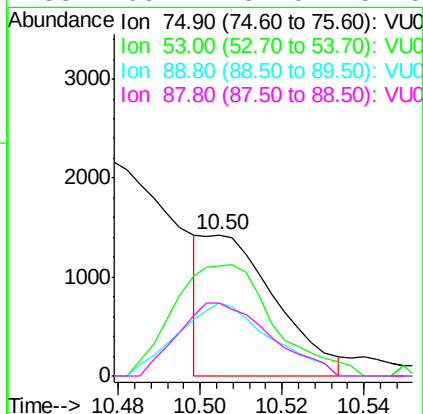
RT: 10.50 min Scan# 2928

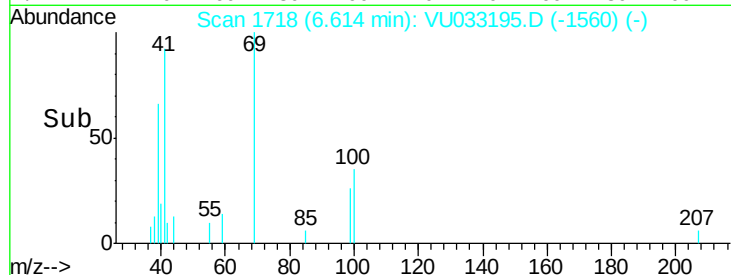
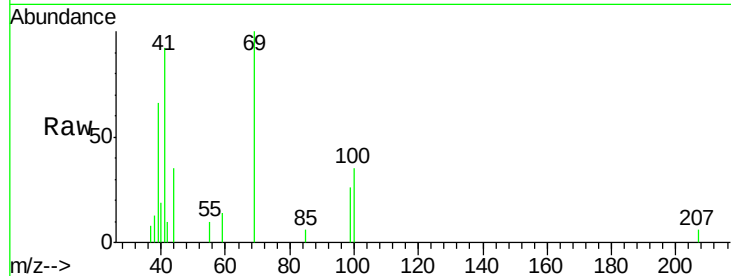
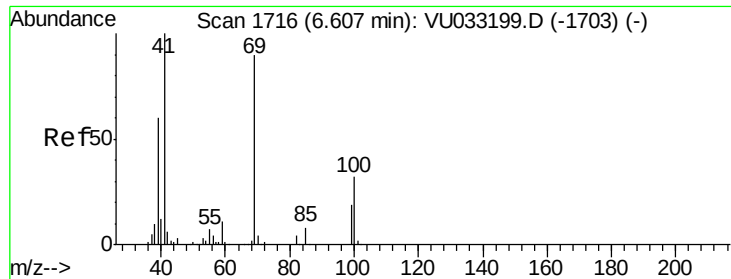
Delta R.T. 0.00 min

Lab File: VU033195.D

Acq: 11 Jul 2019 16:26

Tgt Ion:	75	Resp:	1774
Ion	Ratio	Lower	Upper
75	100		
53	108.2	63.8	95.6#
89	65.1	44.0	66.0
88	65.4	34.0	51.0#





#47
Methyl methacrylate
Concen: 0.864 ug/l
RT: 6.61 min Scan# 1718
Delta R.T. 0.01 min
Lab File: VU033195.D
Acq: 11 Jul 2019 16:26

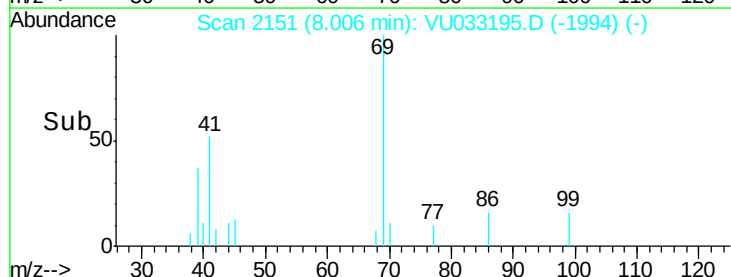
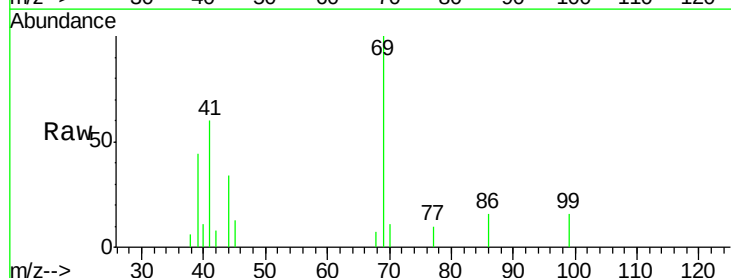
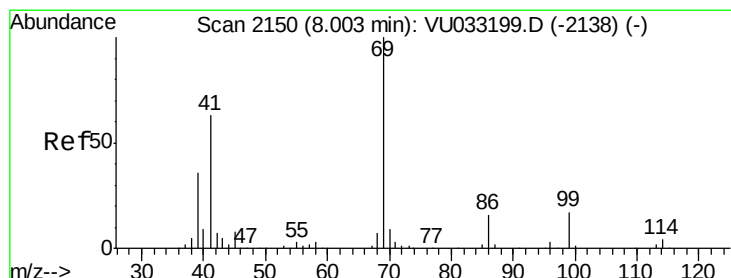
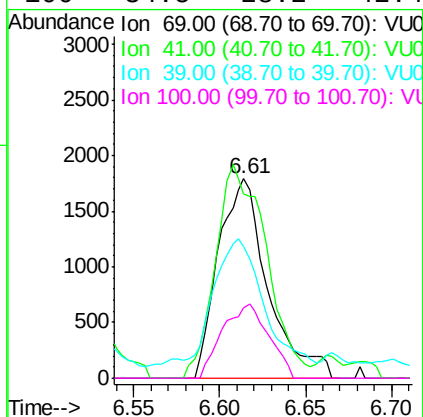
Tot Ion: 69 Resp: 3592
Ion Ratio Lower Upper
69 100
41 110.1 0.0 217.0
39 67.9 52.1 78.1
100 34.5 28.2 42.4

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Manual Integrations
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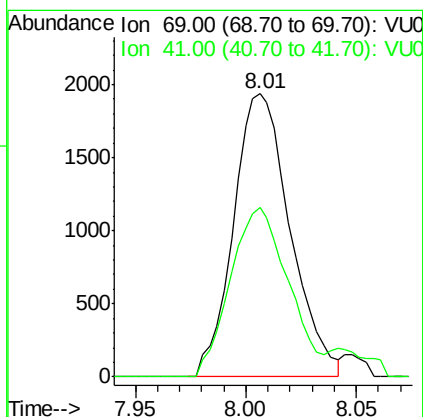
MMDadoda

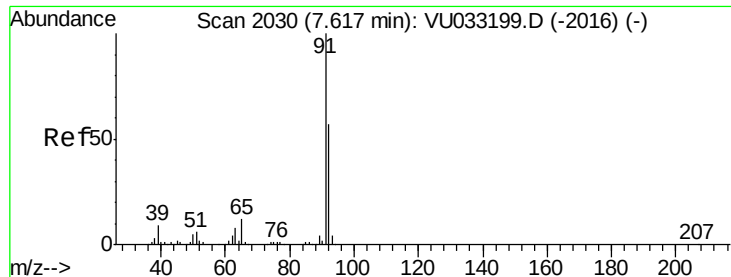
7/16/2019 4:03:04 PM



#48
Ethyl methacrylate
Concen: 0.448 ug/l
RT: 8.01 min Scan# 2151
Delta R.T. 0.00 min
Lab File: VU033195.D
Acq: 11 Jul 2019 16:26

Tgt Ion: 69 Resp: 3446
Ion Ratio Lower Upper
69 100
41 61.4 31.3 93.8





#49

Toluene

Concen: 0.448 ug/l

RT: 7.62 min Scan# 2031

Delta R.T. 0.00 min

Lab File: VU033195.D

Acq: 11 Jul 2019 16:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 92 Resp: 9789

Ion Ratio Lower Upper

92 100

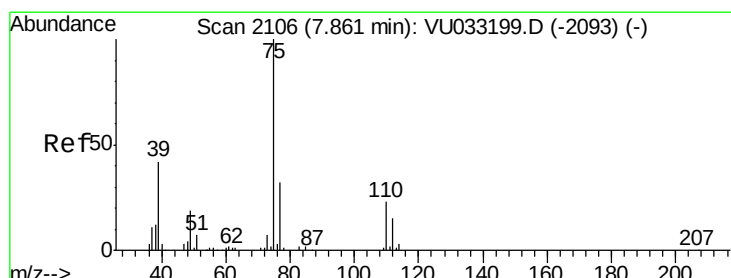
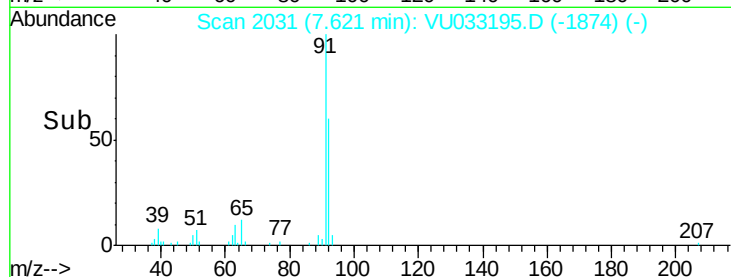
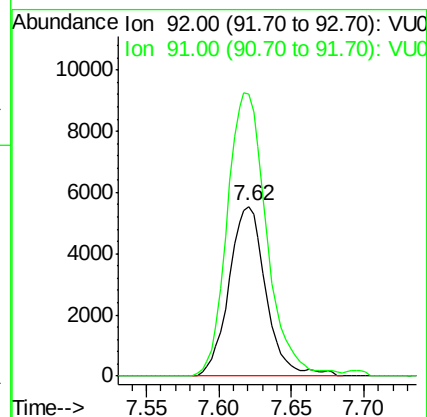
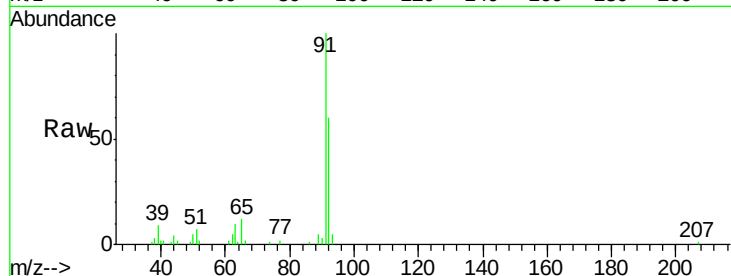
91 176.3 141.2 211.8

Manual Integrations

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#50

t-1,3-Dichloropropene

Concen: 0.463 ug/l

RT: 7.87 min Scan# 2108

Delta R.T. 0.01 min

Lab File: VU033195.D

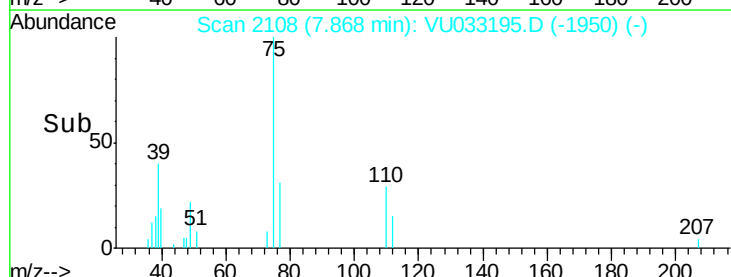
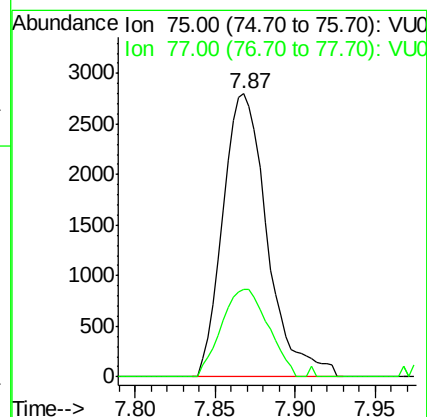
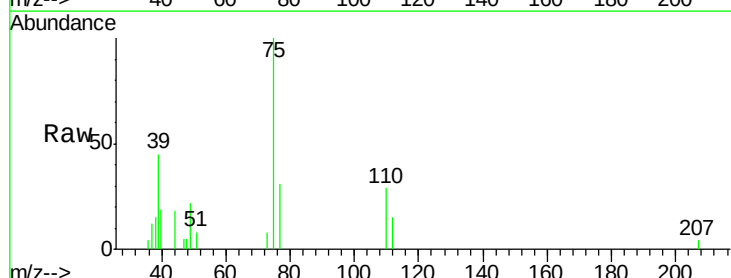
Acq: 11 Jul 2019 16:26

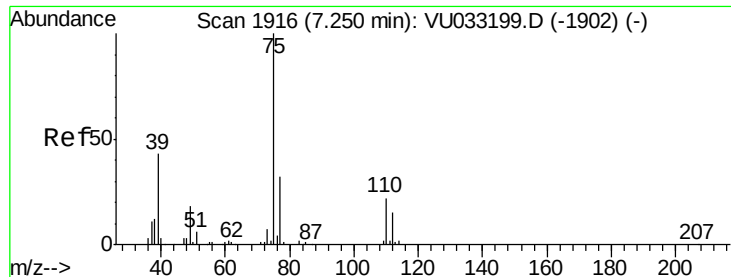
Tgt Ion: 75 Resp: 5320

Ion Ratio Lower Upper

75 100

77 30.9 25.2 37.8





#51

cis-1,3-Dichloropropene
 Concen: 0.458 ug/l
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.00 min
 Lab File: VU033195.D
 Acq: 11 Jul 2019 16:26

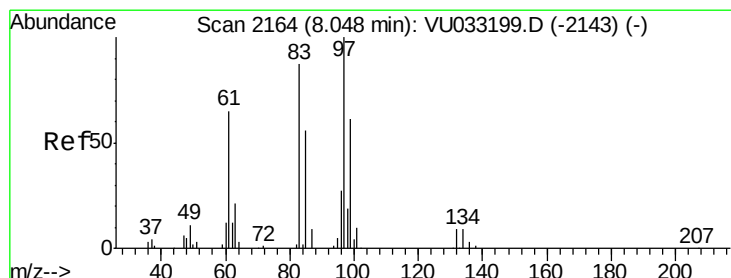
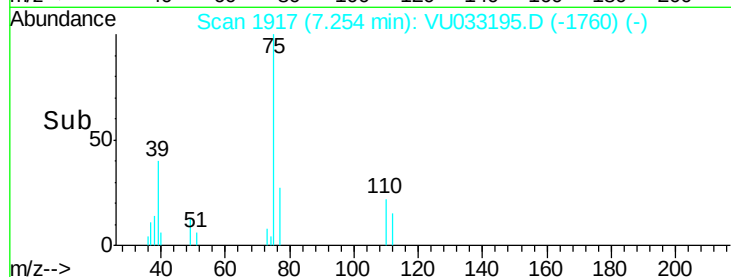
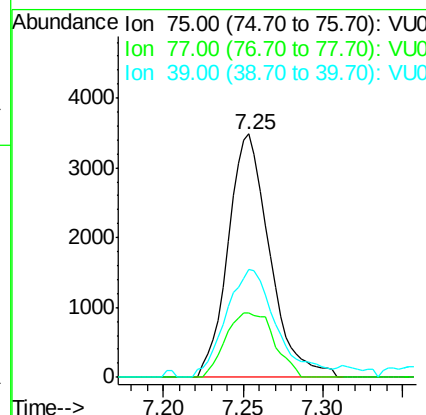
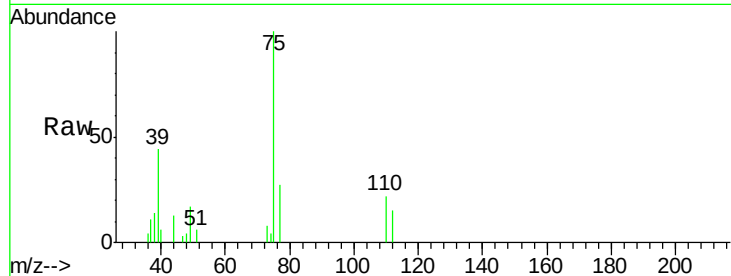
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion:	75	Resp:	6199
Ion	Ratio	Lower	Upper
75	100		
77	26.7	25.4	38.0
39	44.2	34.5	51.7

Manual Integrations
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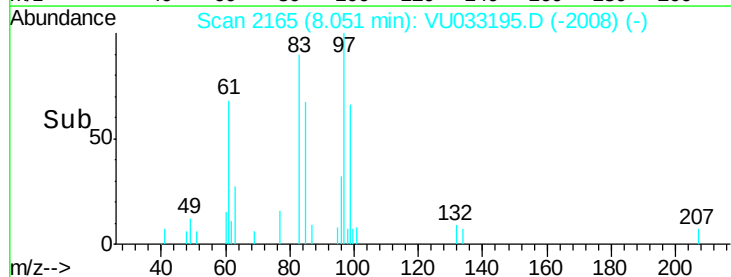
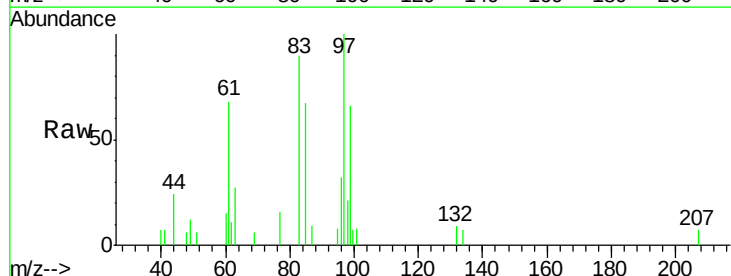
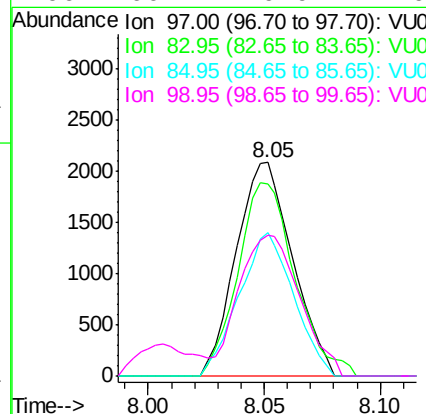
7/16/2019 4:03:04 PM

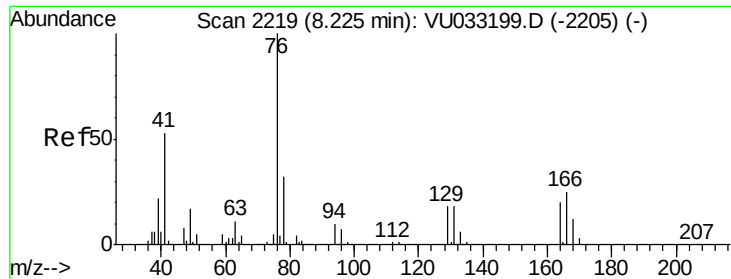


#52

1,1,2-Trichloroethane
 Concen: 0.476 ug/l
 RT: 8.05 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VU033195.D
 Acq: 11 Jul 2019 16:26

Tgt Ion:	97	Resp:	3515
Ion	Ratio	Lower	Upper
97	100		
83	90.0	69.9	104.9
85	67.3	45.2	67.8
99	66.1	49.9	74.9





#53
 1,3-Dichloropropane
 Concen: 0.478 ug/l
 RT: 8.22 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VU033195.D
 Acq: 11 Jul 2019 16:26

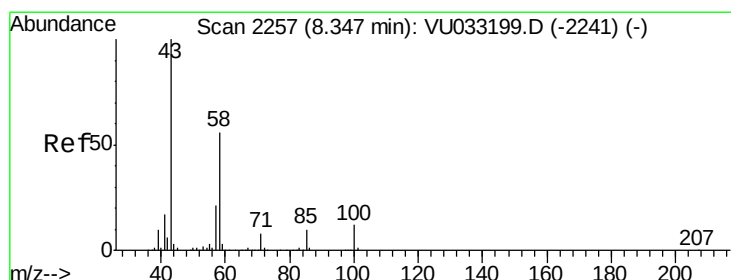
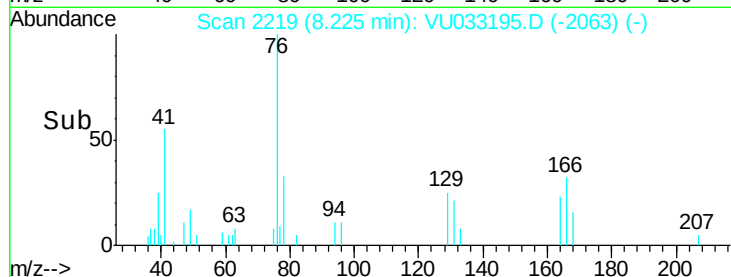
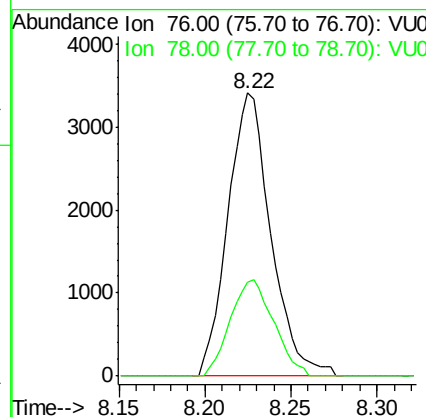
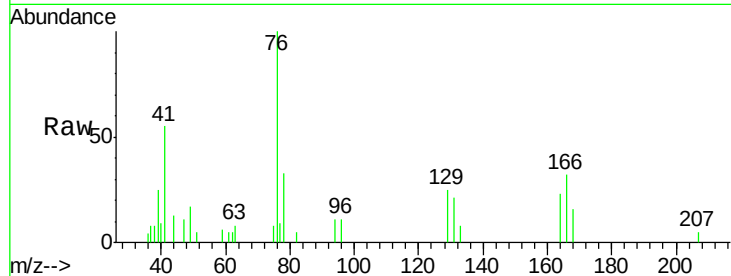
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
76	100		
78	34.3	25.9	38.9

Manual Integrations
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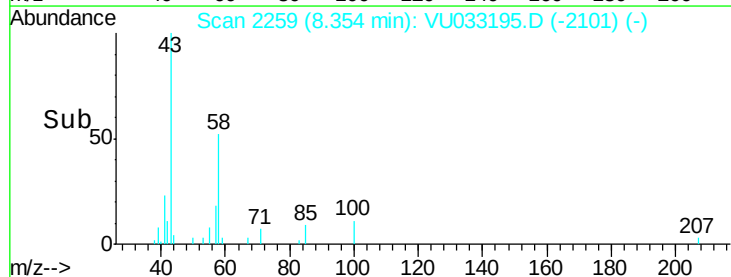
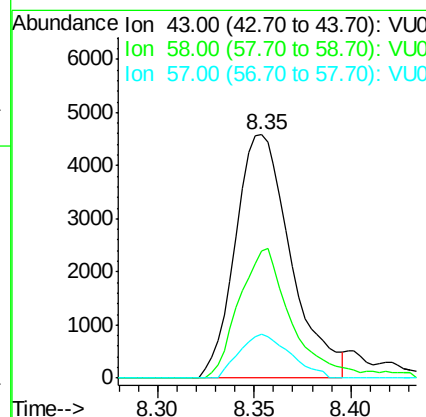
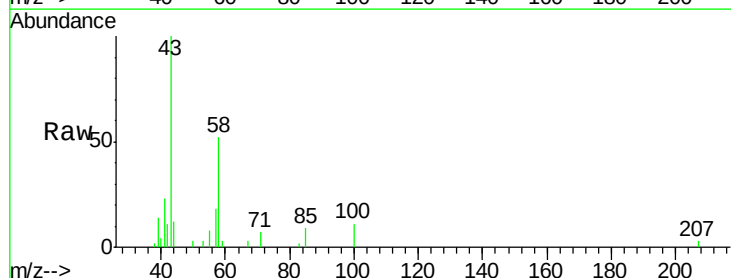
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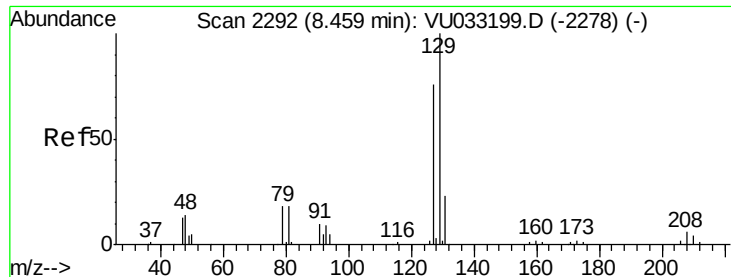
7/16/2019 4:03:04 PM



#54
 2-Hexanone
 Concen: 2.358 ug/l
 RT: 8.35 min Scan# 2259
 Delta R.T. 0.01 min
 Lab File: VU033195.D
 Acq: 11 Jul 2019 16:26

Tgt Ion	Ratio	Lower	Upper
43	100		
58	51.7	35.8	75.8
57	16.5	0.2	40.2





#55
Dibromochloromethane
Concen: 0.468 ug/l
RT: 8.46 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU033195.D
Acq: 11 Jul 2019 16:26

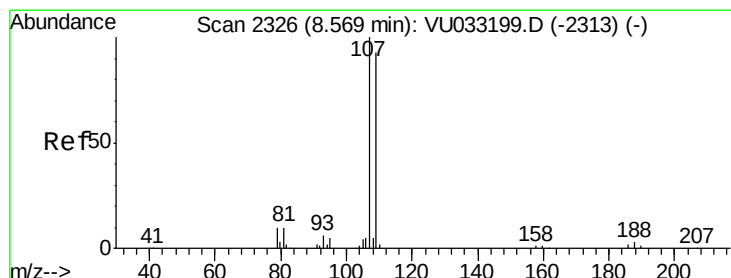
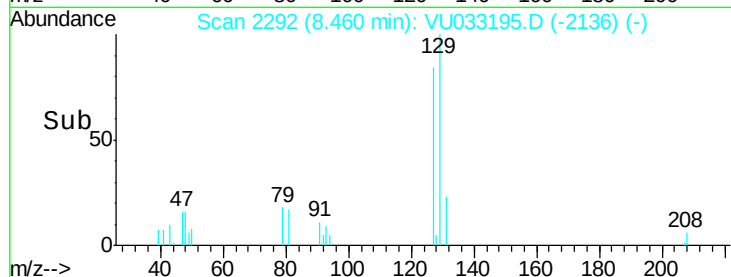
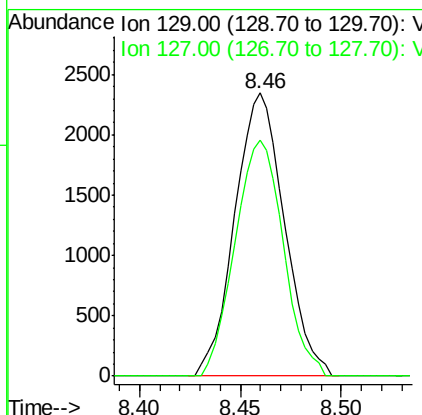
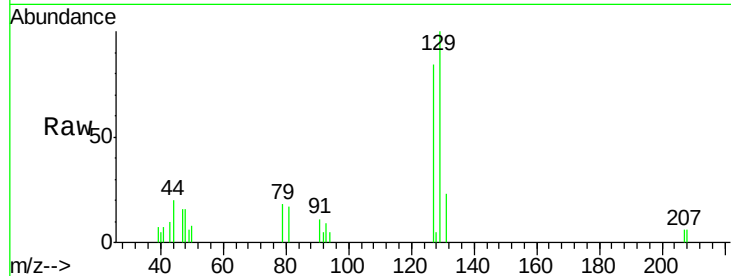
Instrument :
MSVOA_U
ClientSampled :
VSTDIC0.5

Tot Ion:129 Resp: 4036
Ion Ratio Lower Upper
129 100
127 81.2 62.9 94.3

Manual Integrations
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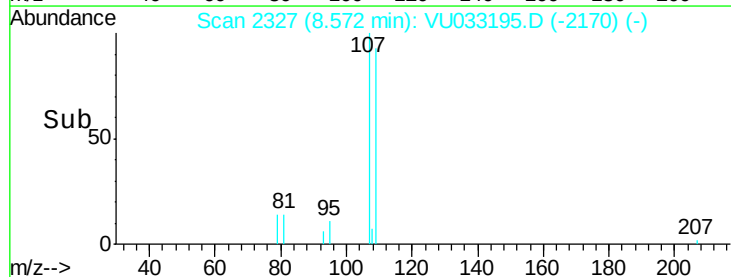
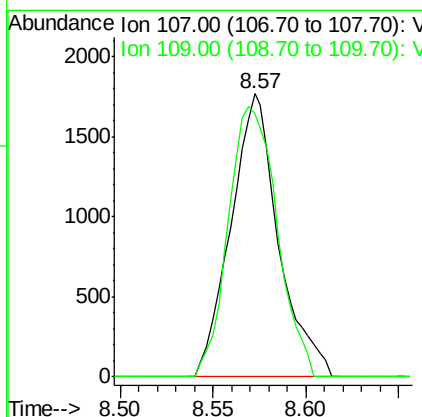
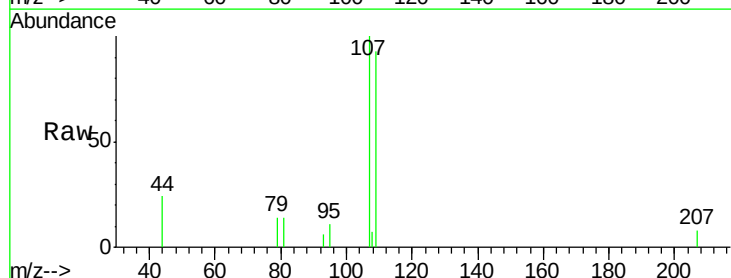
MMDadoda

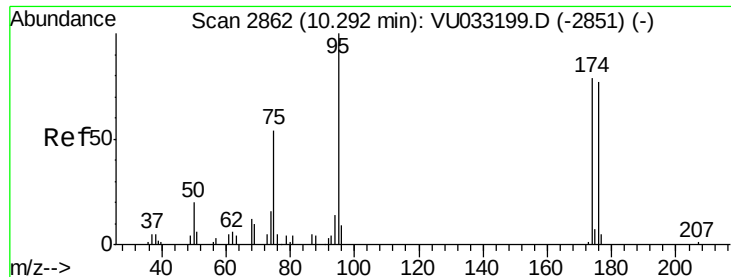
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#56
1,2-Dibromoethane
Concen: 0.468 ug/l
RT: 8.57 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VU033195.D
Acq: 11 Jul 2019 16:26

Tgt Ion:107 Resp: 3157
Ion Ratio Lower Upper
107 100
109 98.0 0.0 189.2





#57
4-Bromofluorobenzene
Concen: 0.882 ug/l
RT: 10.29 min Scan# 2861
Delta R.T. -0.00 min
Lab File: VU033195.D
Acq: 11 Jul 2019 16:26

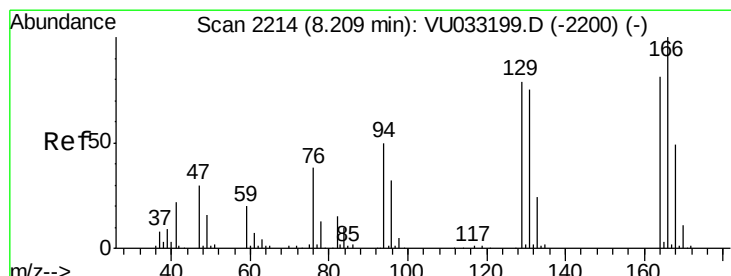
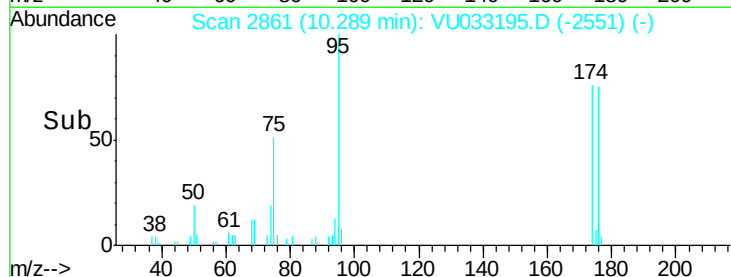
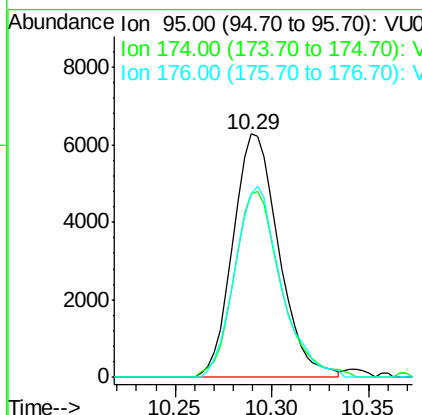
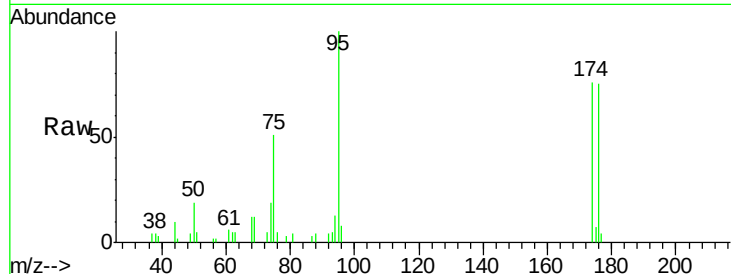
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
95	100		
174	78.1	63.8	95.8
176	78.6	64.5	96.7

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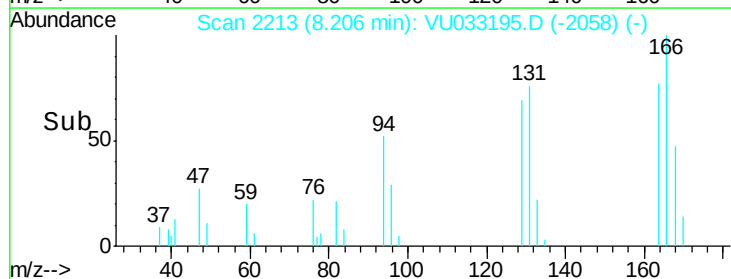
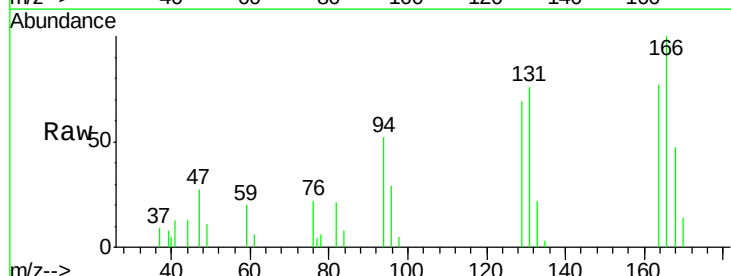
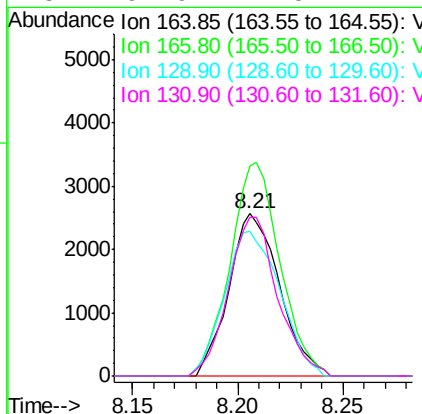
MMDadoda

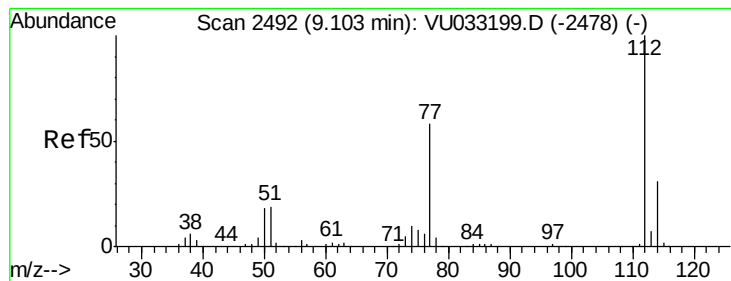
7/16/2019 4:03:04 PM



#58
Tetrachloroethene
Concen: 0.491 ug/l
RT: 8.21 min Scan# 2213
Delta R.T. -0.00 min
Lab File: VU033195.D
Acq: 11 Jul 2019 16:26

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.7	99.3	148.9
129	89.5	78.0	117.0
131	97.9	74.5	111.7





#59

Chlorobenzene

Concen: 0.465 ug/l

RT: 9.10 min Scan# 2492

Delta R.T. 0.00 min

Lab File: VU033195.D

Acq: 11 Jul 2019 16:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion:112 Resp: 11309

Ion Ratio Lower Upper

112 100

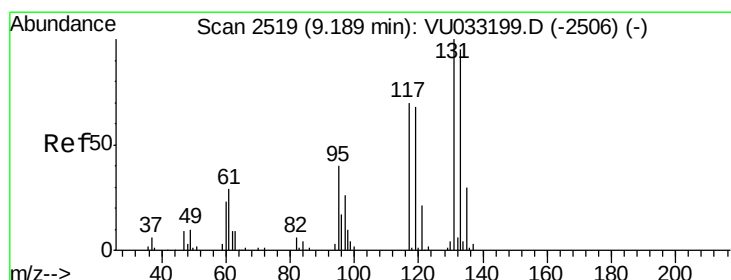
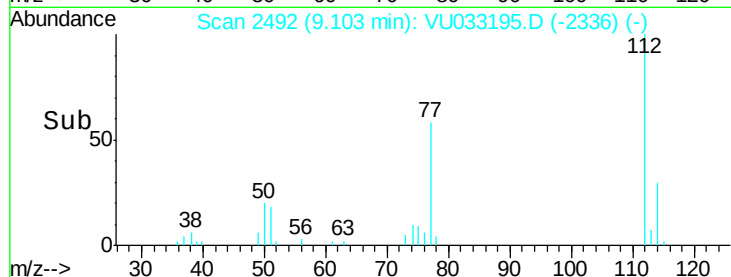
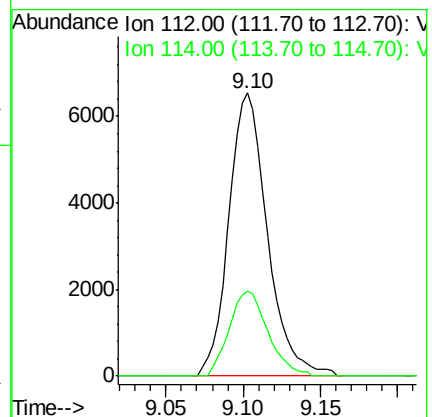
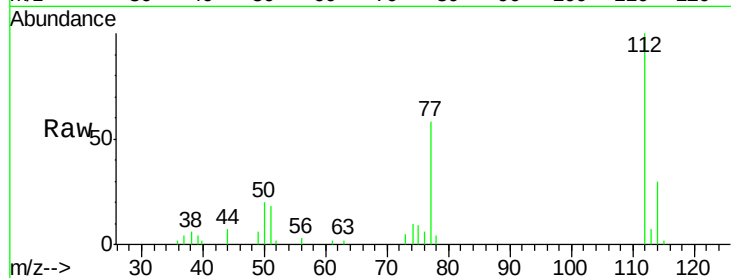
114 30.0 25.1 37.7

Manual Integrations

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#60

1,1,1,2-Tetrachloroethane

Concen: 0.479 ug/l

RT: 9.19 min Scan# 2519

Delta R.T. 0.00 min

Lab File: VU033195.D

Acq: 11 Jul 2019 16:26

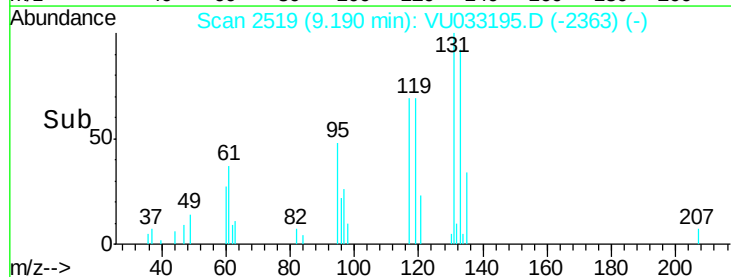
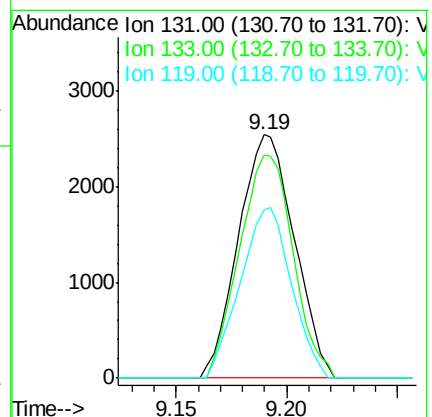
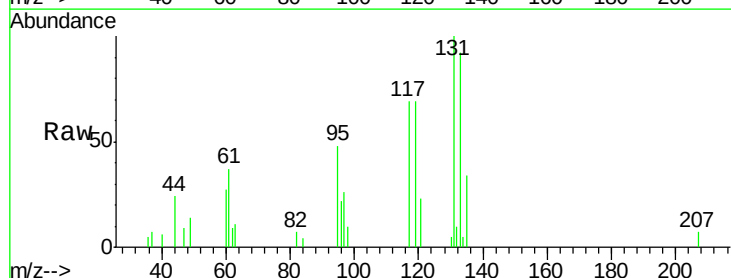
Tgt Ion:131 Resp: 4461

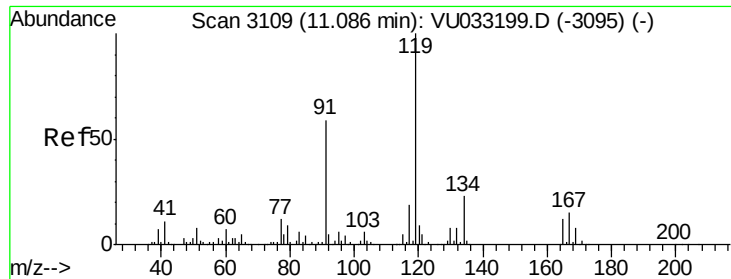
Ion Ratio Lower Upper

131 100

133 88.1 76.7 115.1

119 64.1 54.2 81.2





#61

Pentachloroethane

Concen: 0.416 ug/l

RT: 11.09 min Scan# 3109

Delta R.T. 0.00 min

Lab File: VU033195.D

Acq: 11 Jul 2019 16:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion:117 Resp: 3148

Ion Ratio Lower Upper

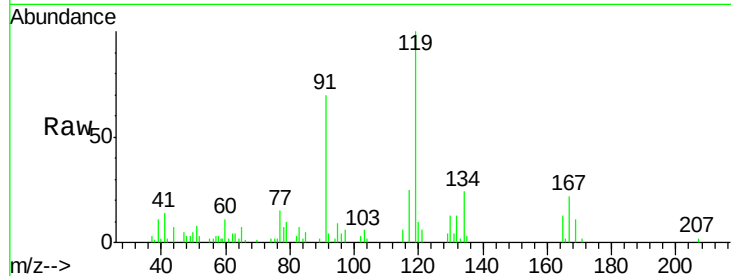
117 100

167 83.0 63.6 95.4

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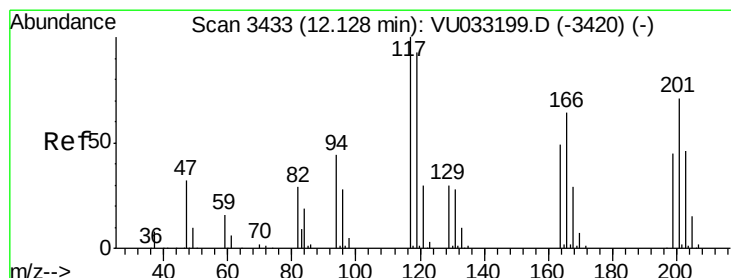
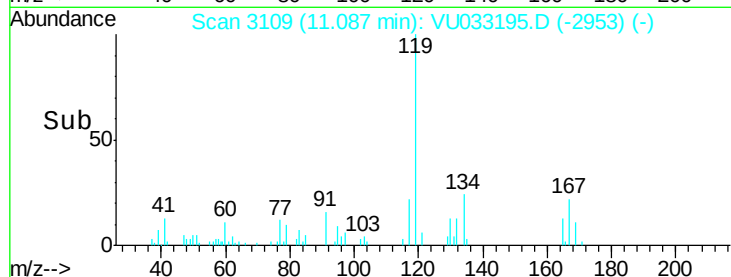
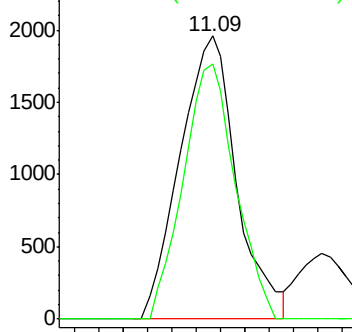
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Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V



#62

Hexachloroethane

Concen: 0.426 ug/l

RT: 12.13 min Scan# 3433

Delta R.T. 0.00 min

Lab File: VU033195.D

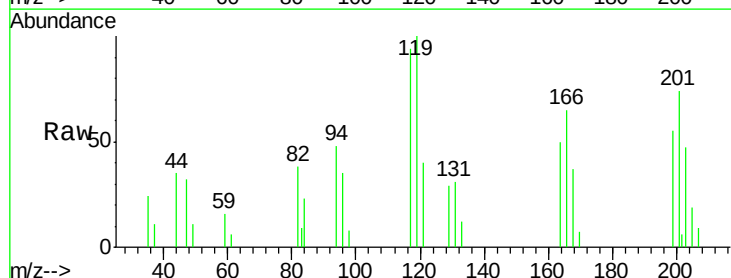
Acq: 11 Jul 2019 16:26

Tgt Ion:117 Resp: 3095

Ion Ratio Lower Upper

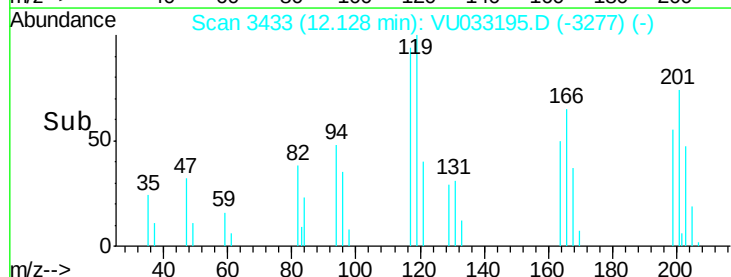
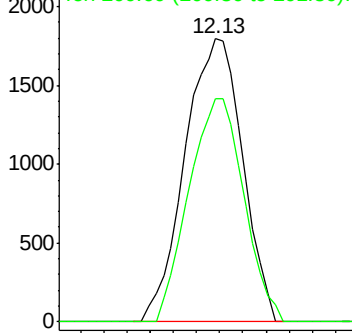
117 100

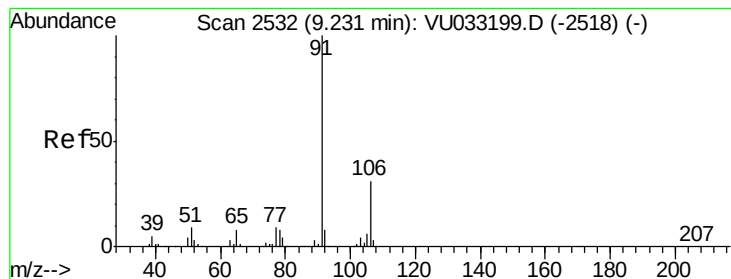
201 75.3 58.5 87.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V





#63

Ethyl Benzene

Concen: 0.428 ug/l

RT: 9.23 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU033195.D

Acq: 11 Jul 2019 16:26

Instrument :

MSVOA_U

ClientSampled :

VSTDIC0.5

Tot Ion: 91 Resp: 17135

Ion Ratio Lower Upper

91 100

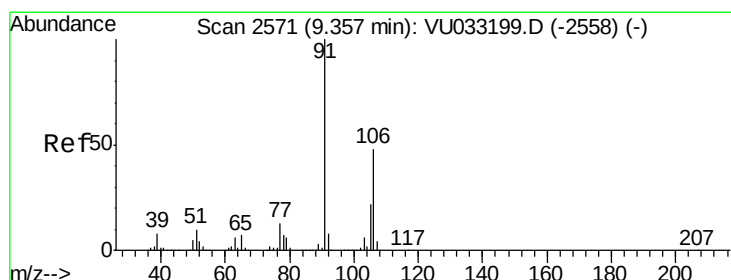
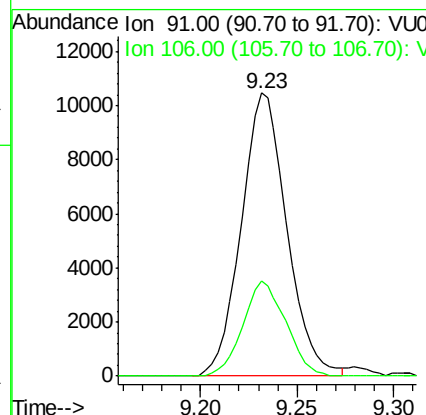
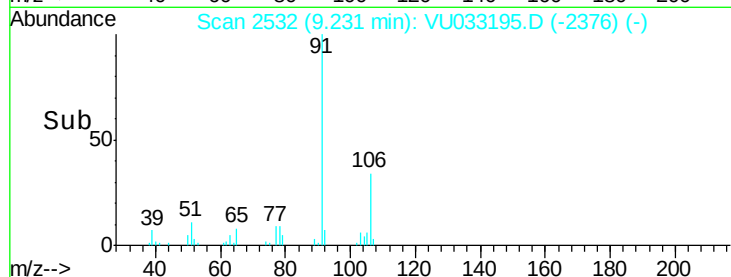
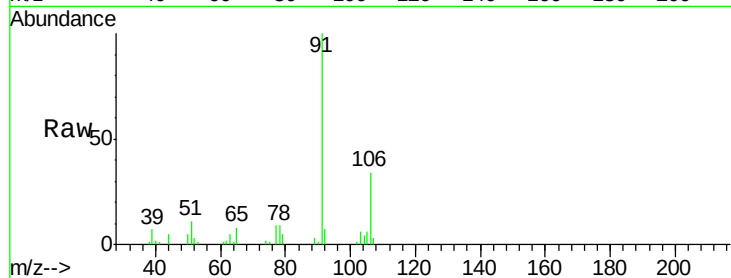
106 33.5 24.9 37.3

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#64

m/p-Xylenes

Concen: 0.816 ug/l

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU033195.D

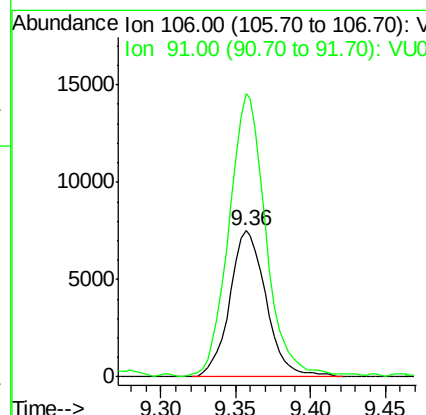
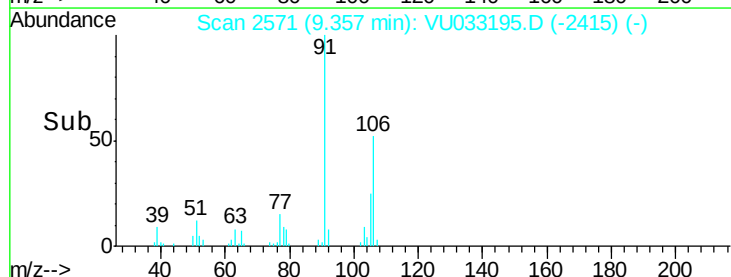
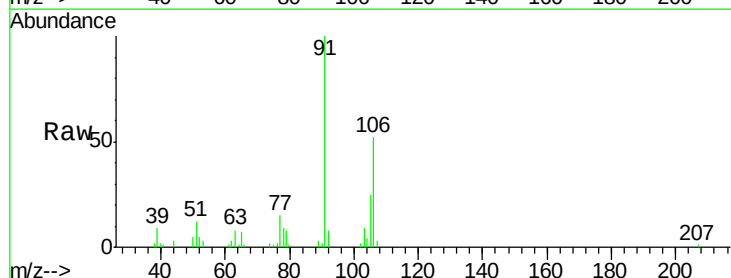
Acq: 11 Jul 2019 16:26

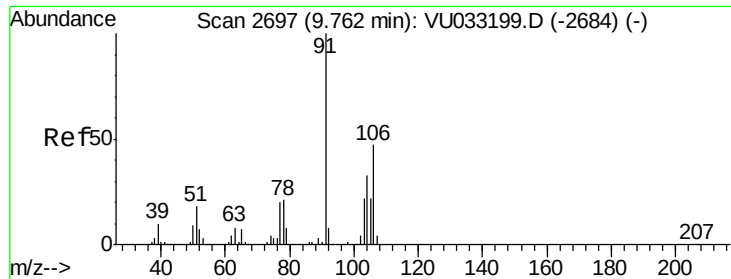
Tgt Ion: 106 Resp: 12731

Ion Ratio Lower Upper

106 100

91 197.5 164.8 247.2





#65
o-Xylene
Concen: 0.417 ug/l
RT: 9.76 min Scan# 2697
Delta R.T. 0.00 min
Lab File: VU033195.D
Acq: 11 Jul 2019 16:26

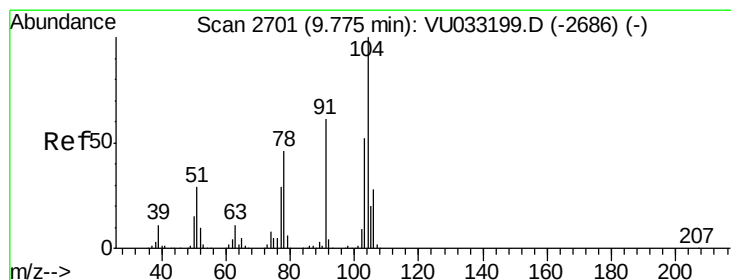
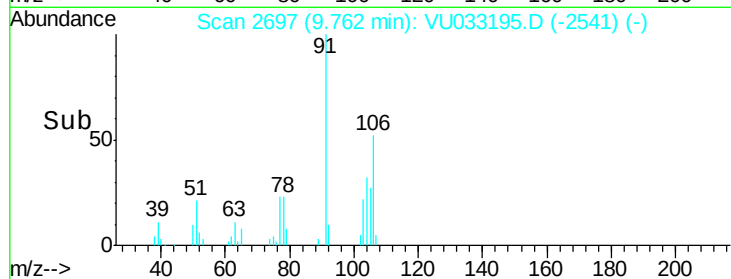
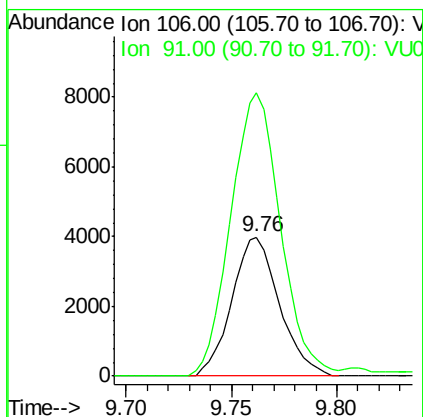
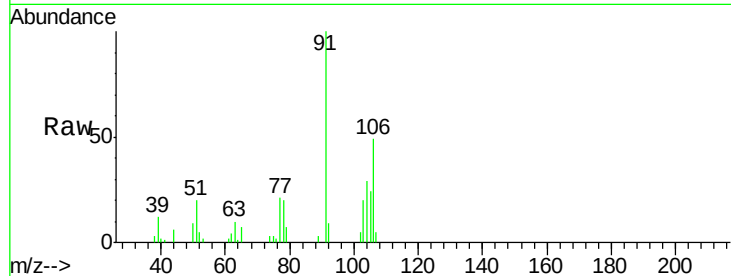
Instrument :
MSVOA_U
ClientSampled :
VSTDIC0.5

Tot Ion:106 Resp: 6252
Ion Ratio Lower Upper
106 100
91 212.8 108.6 325.8

Manual Integrations
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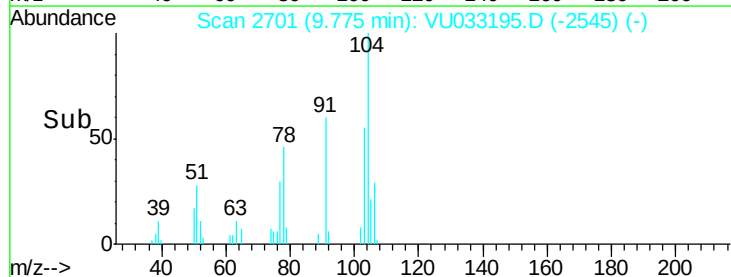
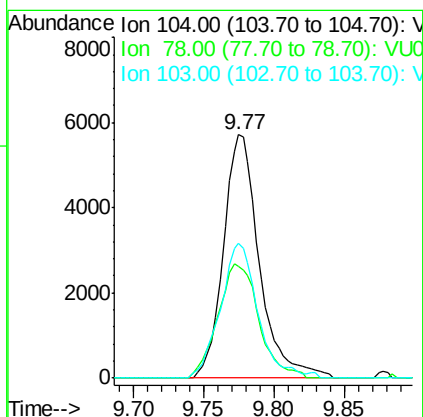
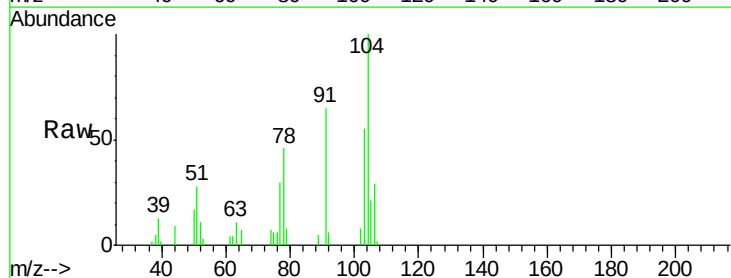
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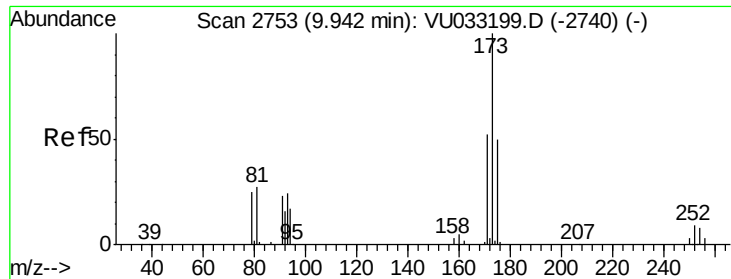
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#66
Styrene
Concen: 0.402 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU033195.D
Acq: 11 Jul 2019 16:26

Tgt Ion:104 Resp: 10152
Ion Ratio Lower Upper
104 100
78 53.2 40.4 60.6
103 58.0 44.3 66.5





#67

Bromoform

Concen: 0.490 ug/l

RT: 9.94 min Scan# 2753

Delta R.T. 0.00 min

Lab File: VU033195.D

Acq: 11 Jul 2019 16:26

Instrument :

MSVOA_U

ClientSampleId :

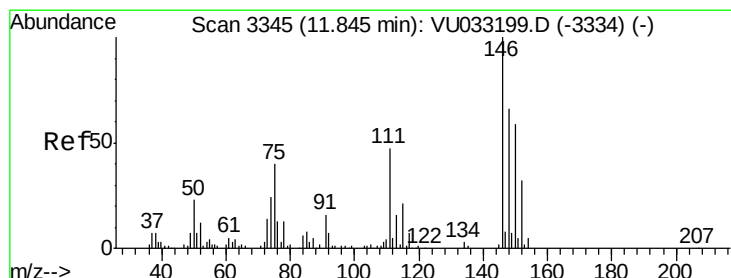
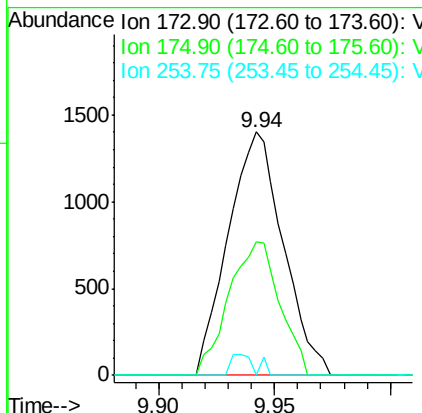
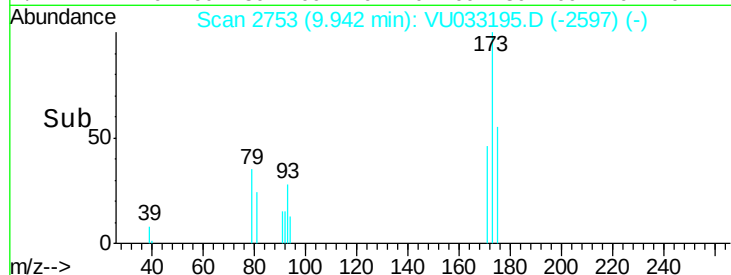
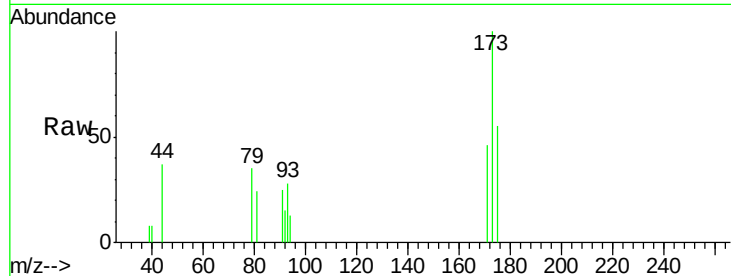
VSTDIC0.5

Tot Ion:	173	Resp:	2311
Ion Ratio	Lower	Upper	
173	100		
175	50.6	39.4	59.0
254	3.8	6.9	10.3#

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#68

1,2-Dichlorobenzene-d4

Concen: 0.954 ug/l

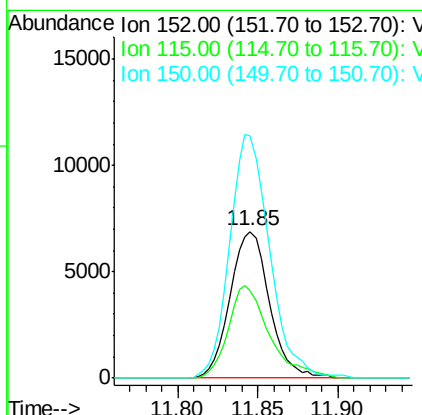
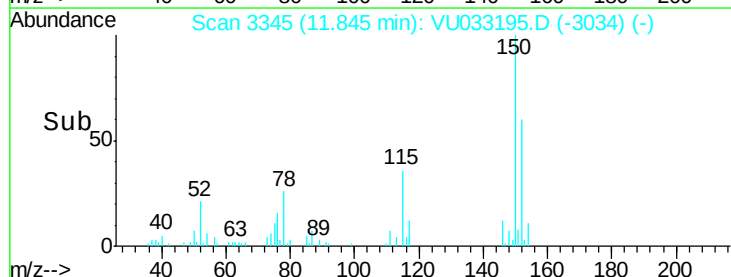
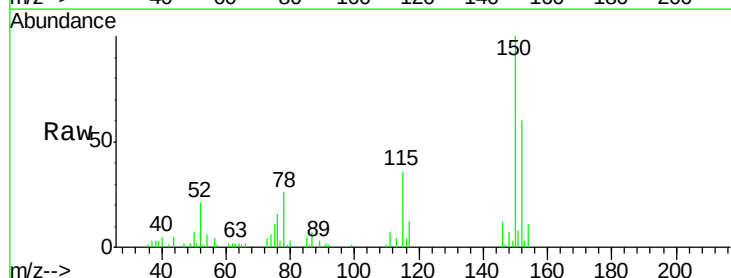
RT: 11.85 min Scan# 3345

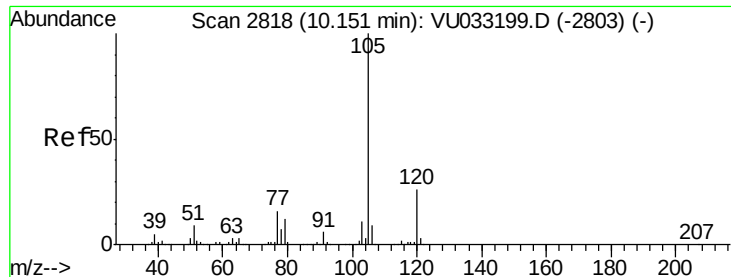
Delta R.T. 0.00 min

Lab File: VU033195.D

Acq: 11 Jul 2019 16:26

Tgt Ion:	152	Resp:	11534
Ion Ratio	Lower	Upper	
152	100		
115	65.9	0.0	131.0
150	168.7	0.0	634.4





#69

Isopropylbenzene

Concen: 0.403 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. -0.00 min

Lab File: VU033195.D

Acq: 11 Jul 2019 16:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion:105 Resp: 15750

Ion Ratio Lower Upper

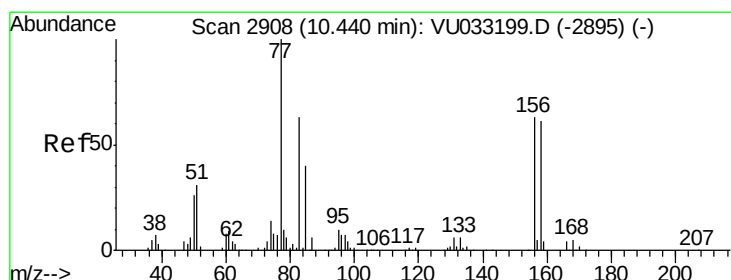
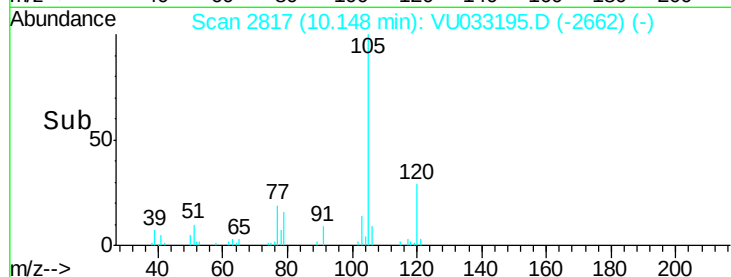
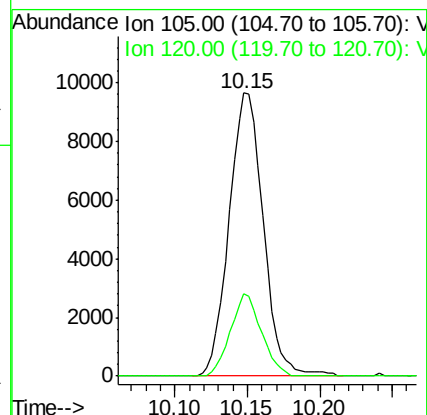
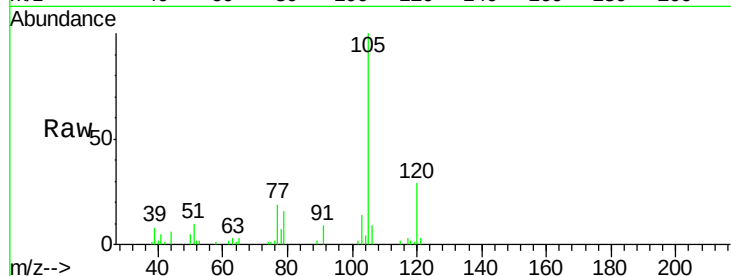
105 100

120 26.3 13.2 39.6

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#70

1,1,2,2-Tetrachloroethane

Concen: 0.518 ug/l

RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU033195.D

Acq: 11 Jul 2019 16:26

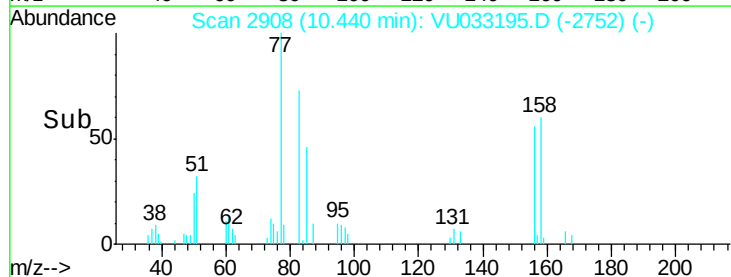
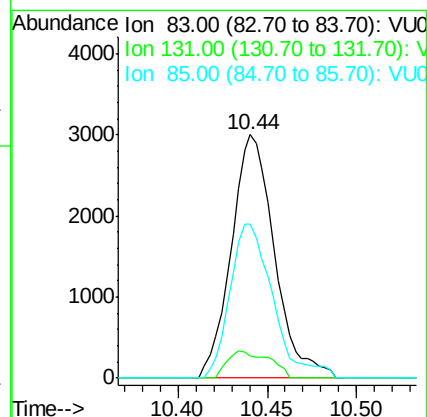
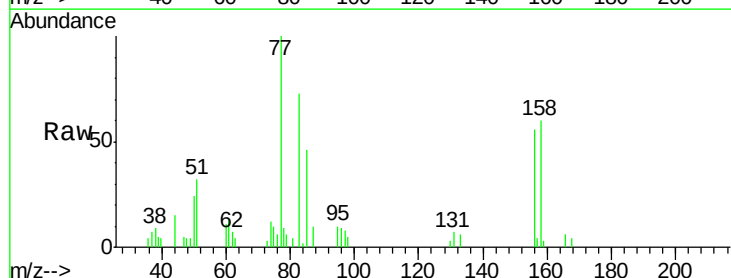
Tgt Ion: 83 Resp: 5062

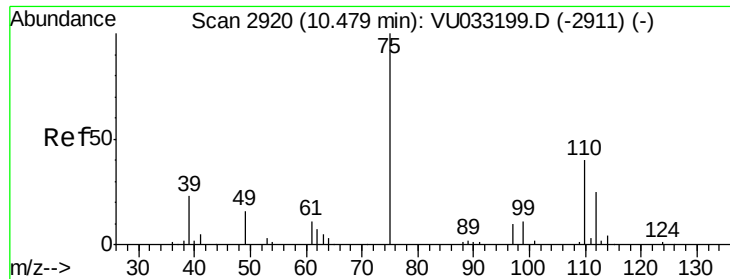
Ion Ratio Lower Upper

83 100

131 10.8 8.0 12.0

85 62.8 50.6 76.0





#71
1,2,3-Trichloropropane
Concen: 0.587 ug/l m
RT: 10.48 min Scan# 2920
Delta R.T. 0.00 min
Lab File: VU033195.D
Acq: 11 Jul 2019 16:26

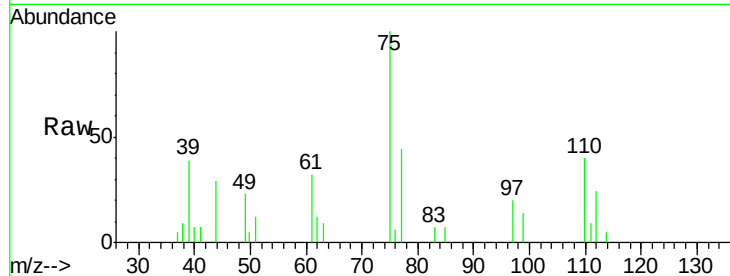
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion:	75	Resp:	4127
Ion	Ratio	Lower	Upper
75	100		
77	8.6	0.0	15.4
110	31.3	0.0	72.2
97	13.6	0.0	37.2

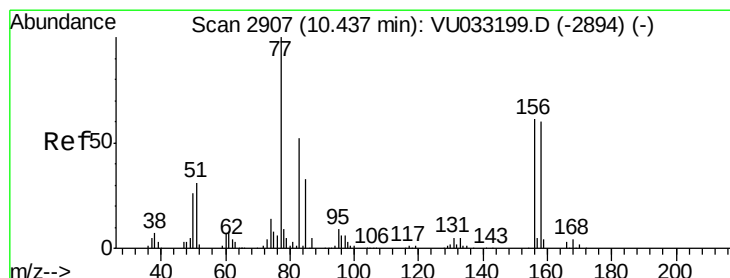
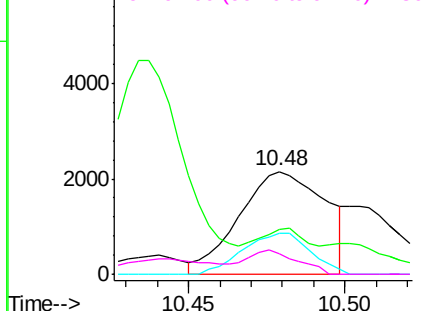
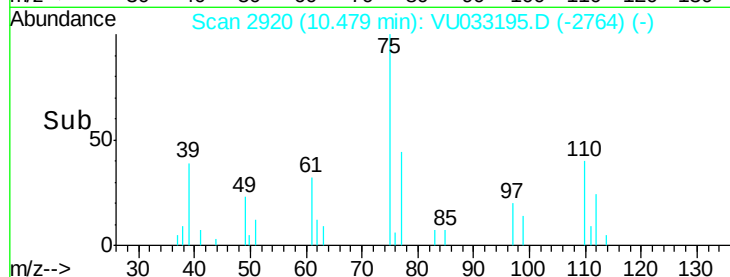
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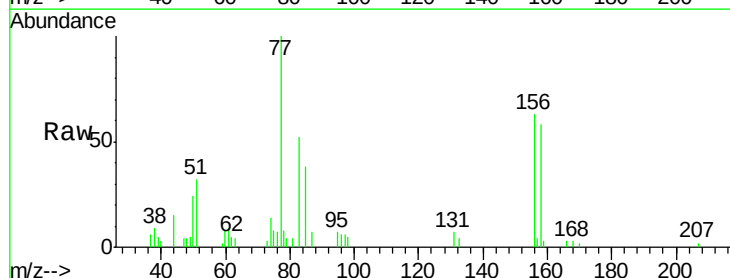


Abundance Ion 75.00 (74.70 to 75.70): VU033195.D (-2911) (-)
Ion 77.00 (76.70 to 77.70): VU033195.D (-2911) (-)
Ion 110.00 (109.70 to 110.70): VU033195.D (-2911) (-)
Ion 97.00 (96.70 to 97.70): VU033195.D (-2911) (-)

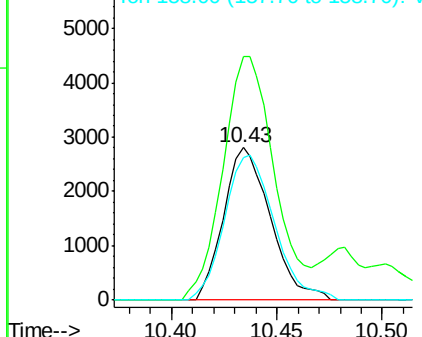
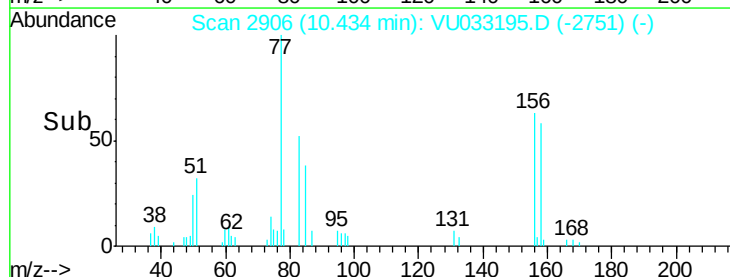


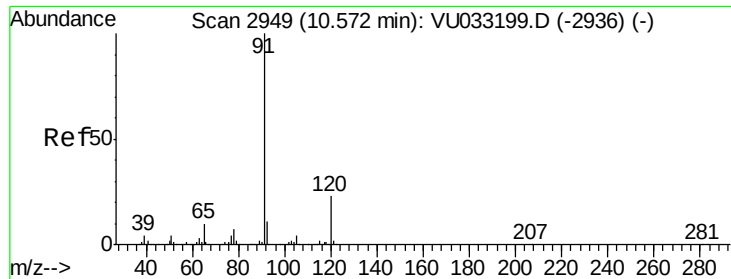
#72
Bromobenzene
Concen: 0.435 ug/l
RT: 10.43 min Scan# 2906
Delta R.T. -0.00 min
Lab File: VU033195.D
Acq: 11 Jul 2019 16:26

Tgt Ion:	156	Resp:	4341
Ion	Ratio	Lower	Upper
156	100		
77	175.3	0.0	326.0
158	101.2	0.0	193.2



Abundance Ion 156.00 (155.70 to 156.70): VU033195.D (-2894) (-)
Ion 77.00 (76.70 to 77.70): VU033195.D (-2894) (-)
Ion 158.00 (157.70 to 158.70): VU033195.D (-2894) (-)





#73
n-propylbenzene
Concen: 0.379 ug/l
RT: 10.57 min Scan# 2948
Delta R.T. -0.00 min
Lab File: VU033195.D
Acq: 11 Jul 2019 16:26

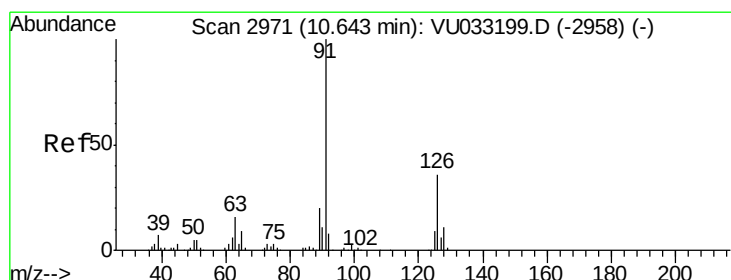
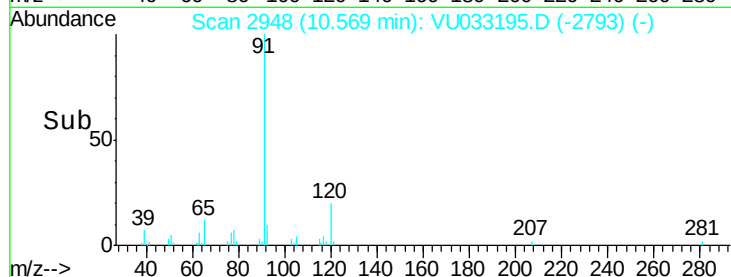
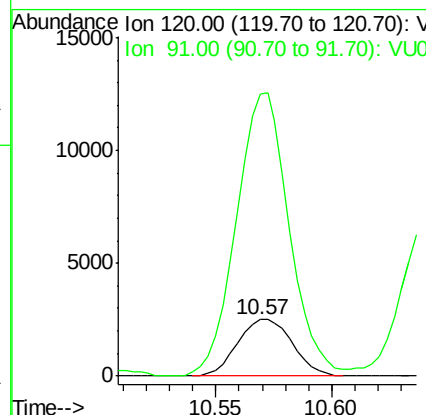
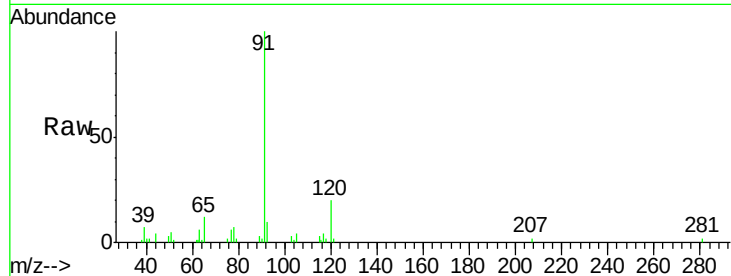
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
120	100		
91	481.0	349.0	523.4

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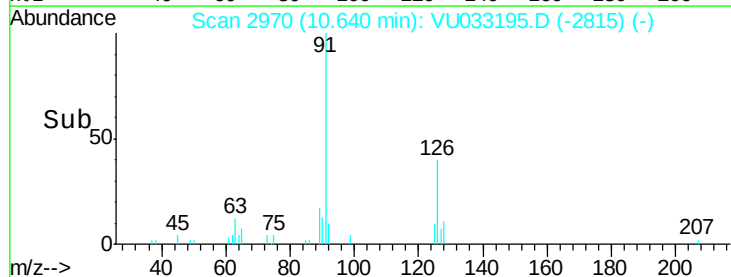
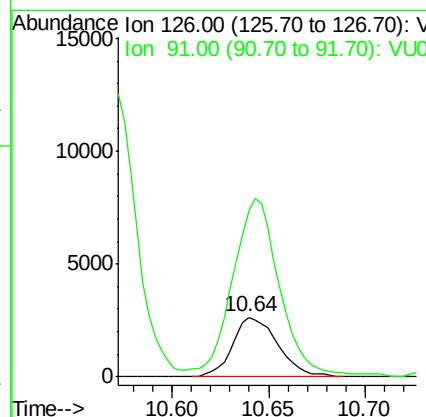
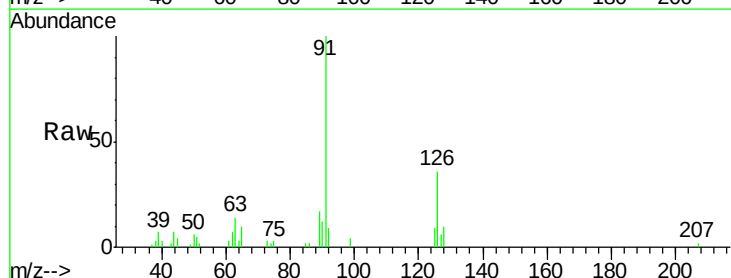
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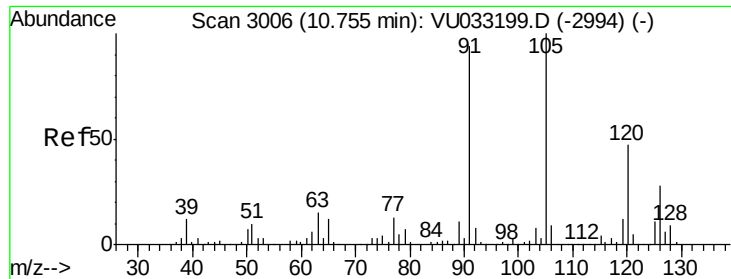
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#74
2-Chlorotoluene
Concen: 0.431 ug/l
RT: 10.64 min Scan# 2970
Delta R.T. -0.00 min
Lab File: VU033195.D
Acq: 11 Jul 2019 16:26

Tgt Ion	Ratio	Lower	Upper
126	100		
91	315.0	0.0	592.2





#75

1,3,5-Trimethylbenzene

Concen: 0.363 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VU033195.D

Acq: 11 Jul 2019 16:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion:105 Resp: 12588

Ion Ratio Lower Upper

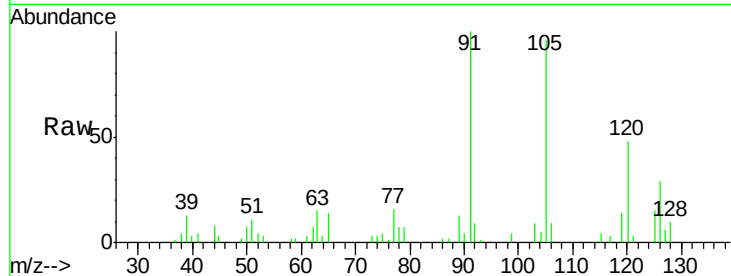
105 100

120 50.5 37.8 56.8

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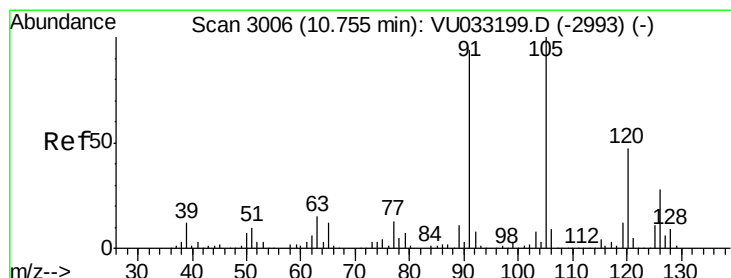
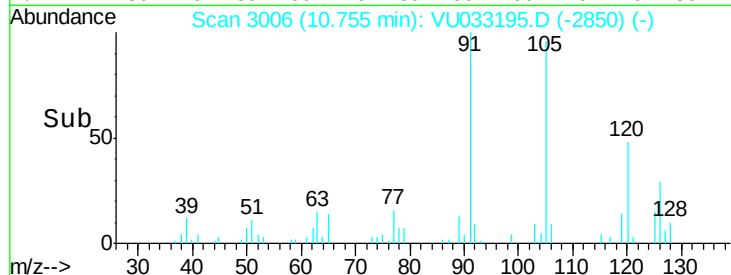
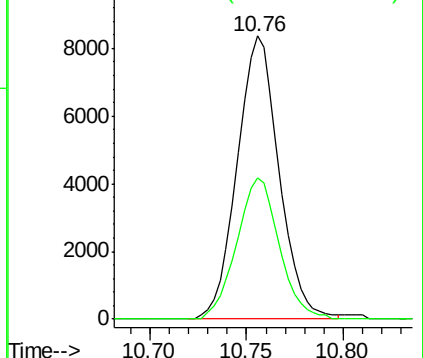
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

4-Chlorotoluene

Concen: 0.391 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VU033195.D

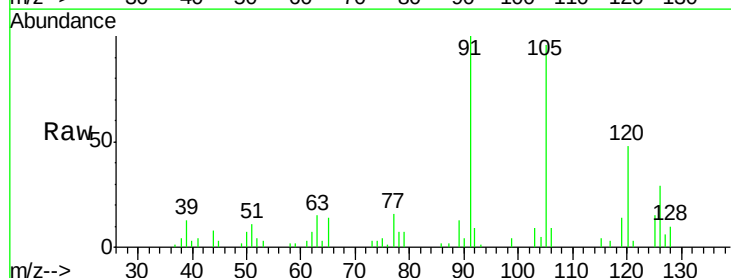
Acq: 11 Jul 2019 16:26

Tgt Ion:126 Resp: 4082

Ion Ratio Lower Upper

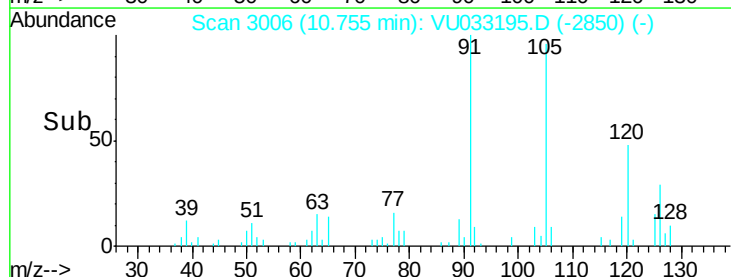
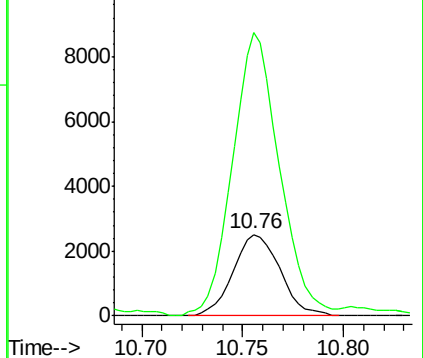
126 100

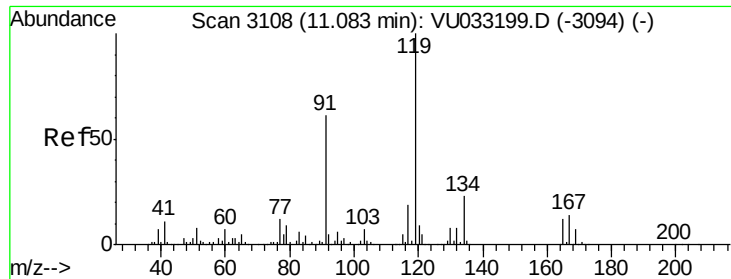
91 348.6 0.0 663.4



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#77
 tert-Butylbenzene
 Concen: 0.403 ug/l
 RT: 11.08 min Scan# 3108
 Delta R.T. 0.00 min
 Lab File: VU033195.D
 Acq: 11 Jul 2019 16:26

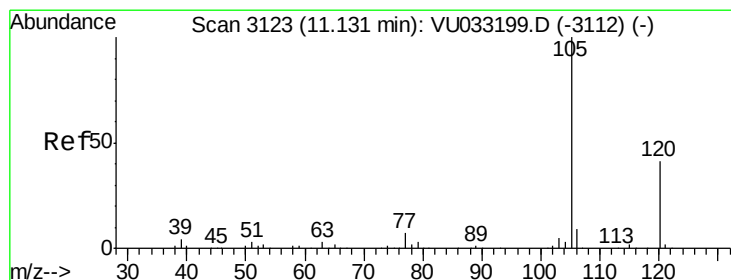
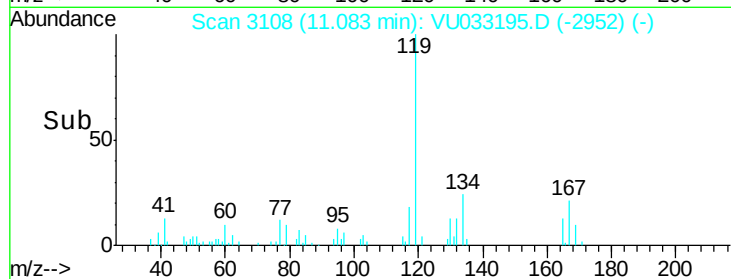
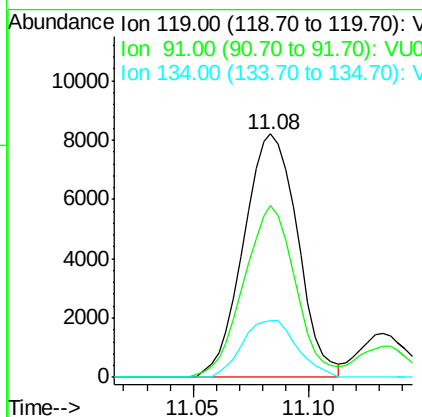
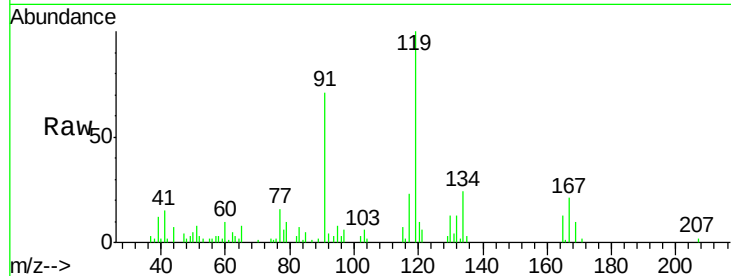
Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.6	29.8	89.5
134	23.7	18.2	27.4

Manual Integrations
 APPROVED

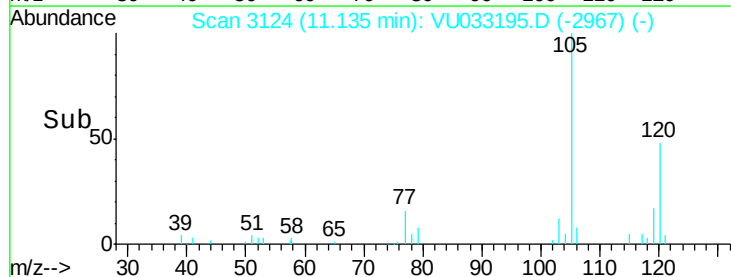
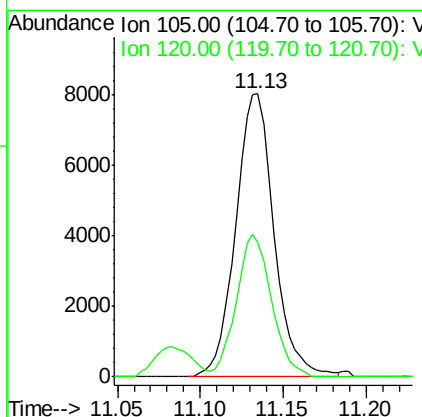
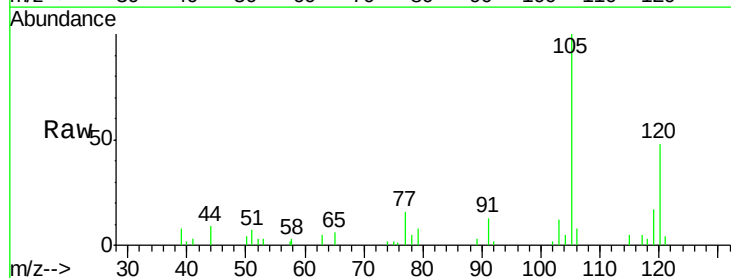
MMDadoda

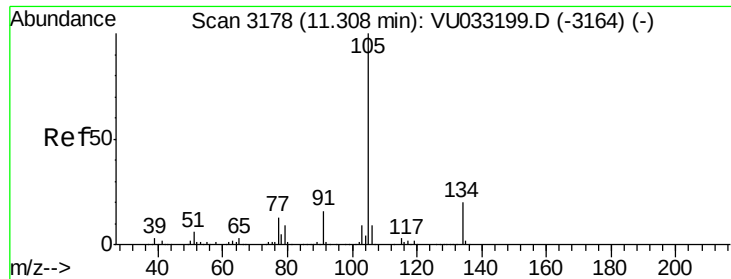
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#78
 1,2,4-Trimethylbenzene
 Concen: 0.369 ug/l
 RT: 11.13 min Scan# 3124
 Delta R.T. 0.00 min
 Lab File: VU033195.D
 Acq: 11 Jul 2019 16:26

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	22.6	67.8





#79

sec-Butylbenzene

Concen: 0.404 ug/l

RT: 11.31 min Scan# 3177

Delta R.T. -0.00 min

Lab File: VU033195.D

Acq: 11 Jul 2019 16:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion:105 Resp: 18237

Ion Ratio Lower Upper

105 100

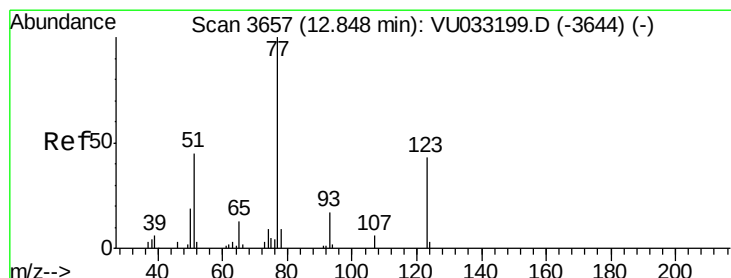
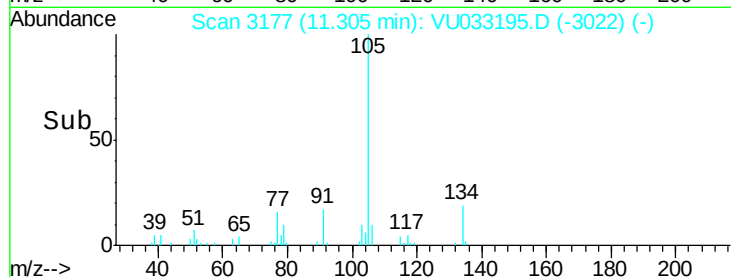
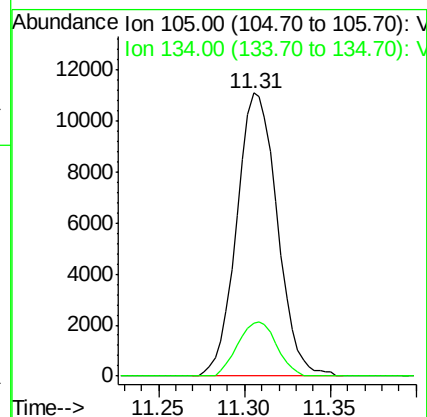
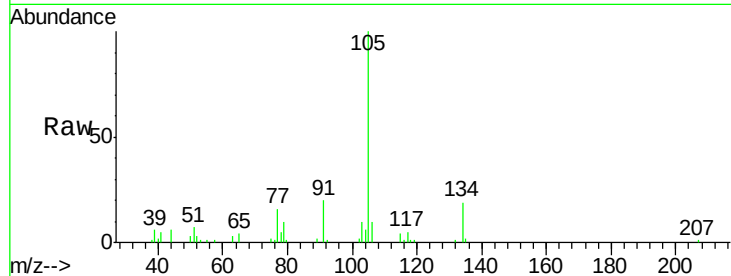
134 18.3 15.8 23.8

Manual Integrations

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#80

Nitrobenzene

Concen: 1.904 ug/l

RT: 12.86 min Scan# 3661

Delta R.T. 0.01 min

Lab File: VU033195.D

Acq: 11 Jul 2019 16:26

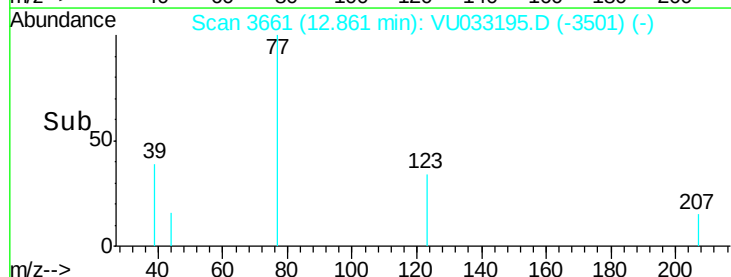
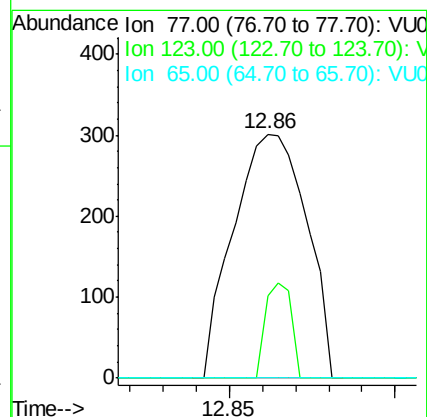
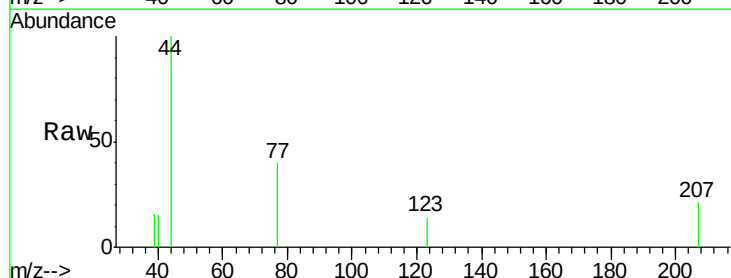
Tgt Ion: 77 Resp: 460

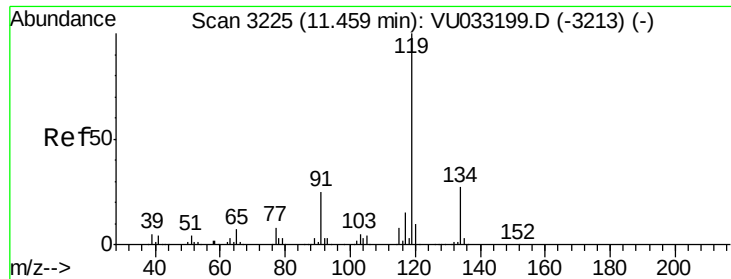
Ion Ratio Lower Upper

77 100

123 13.7 20.9 74.1#

65 0.0 10.7 13.7#





#81
p-Isopropyltoluene
Concen: 0.382 ug/l
RT: 11.46 min Scan# 3225
Delta R.T. 0.00 min
Lab File: VU033195.D
Acq: 11 Jul 2019 16:26

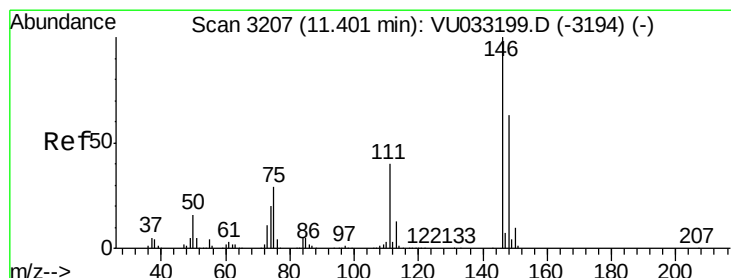
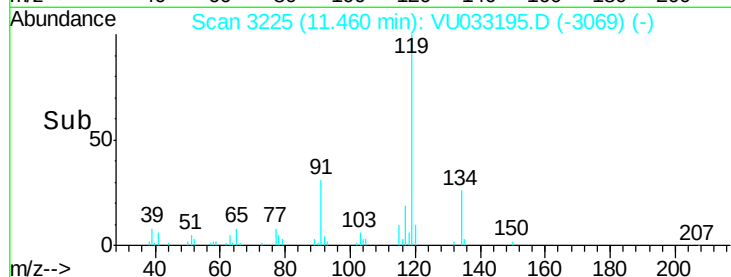
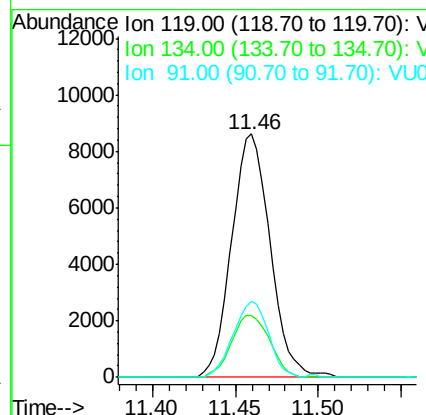
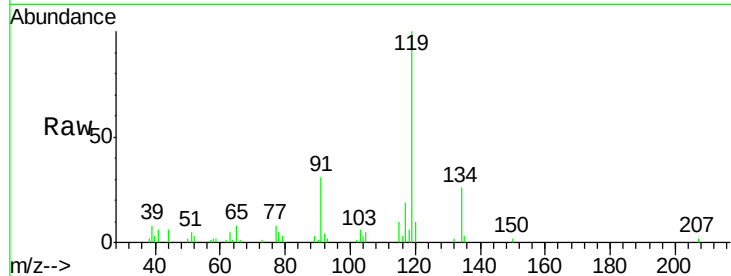
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.4	21.1	31.7
91	28.6	19.7	29.5

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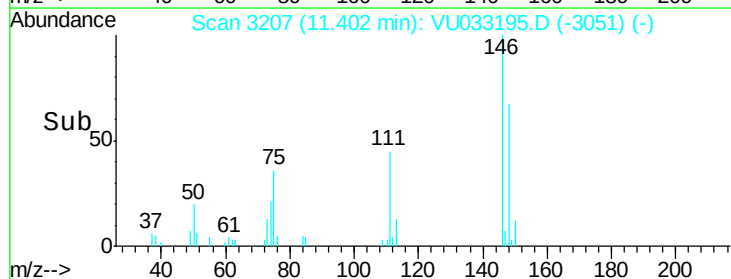
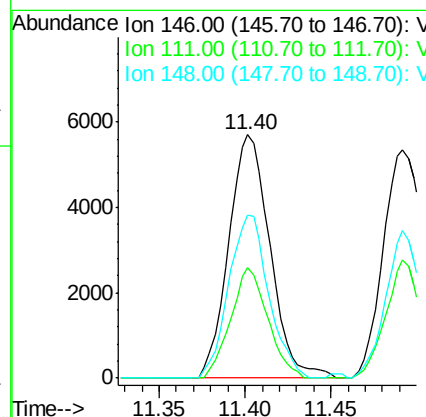
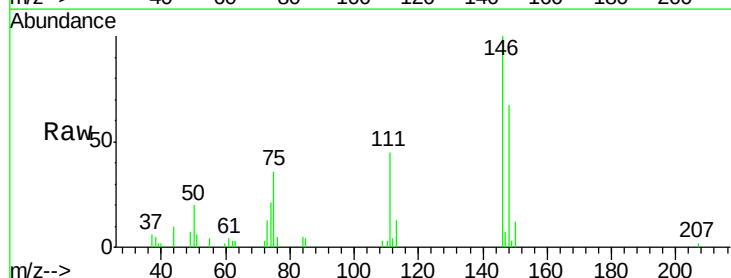
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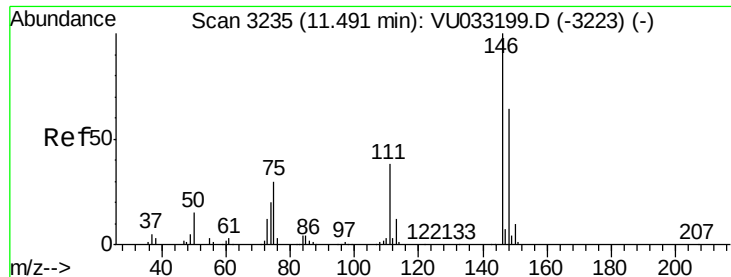
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#82
1,3-Dichlorobenzene
Concen: 0.454 ug/l
RT: 11.40 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU033195.D
Acq: 11 Jul 2019 16:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	32.2	48.4
148	64.7	50.8	76.2





#83
 1,4-Dichlorobenzene
 Concen: 0.455 ug/l
 RT: 11.49 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU033195.D
 Acq: 11 Jul 2019 16:26

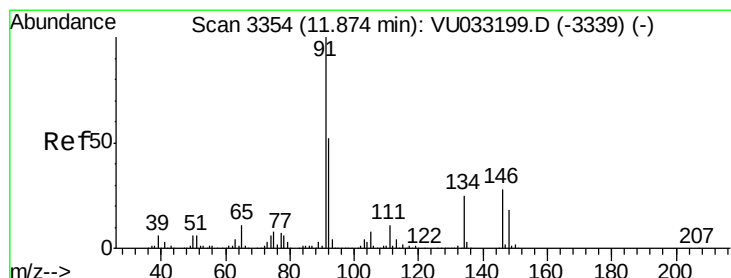
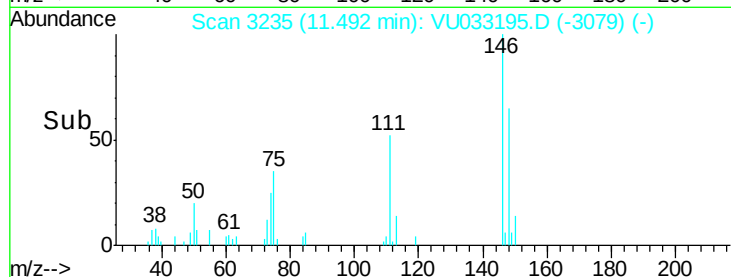
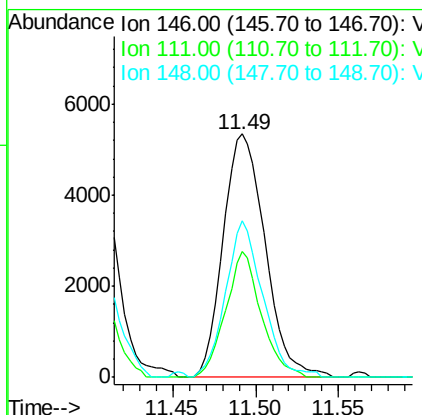
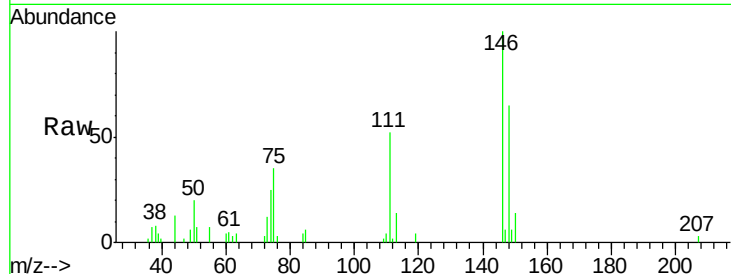
Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.0	30.8	46.2
148	57.1	50.6	76.0

Manual Integrations
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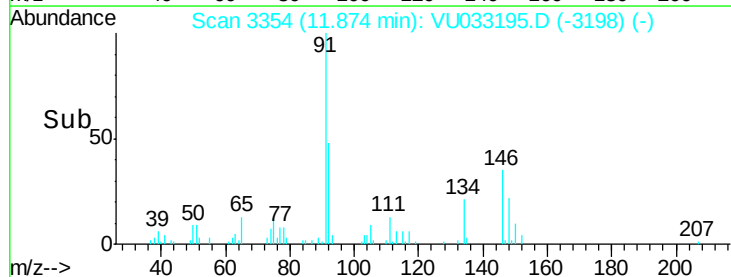
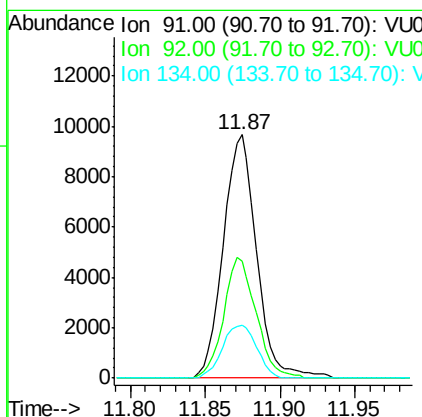
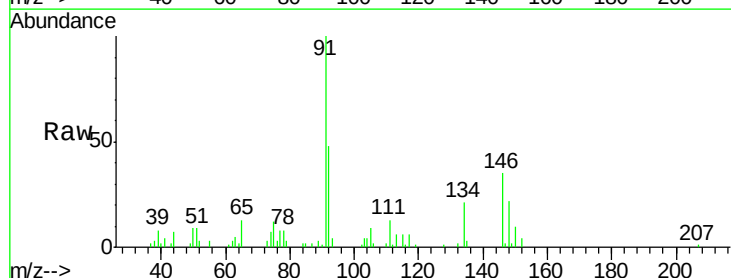
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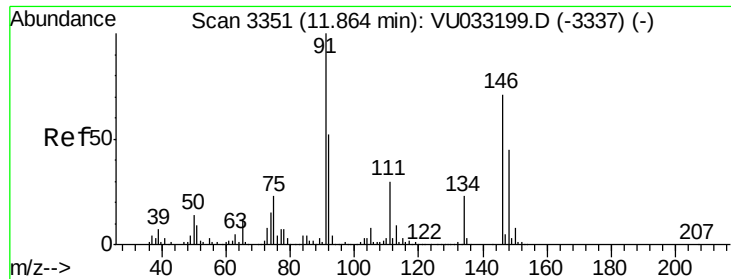
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#84
 n-Butylbenzene
 Concen: 0.421 ug/l
 RT: 11.87 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VU033195.D
 Acq: 11 Jul 2019 16:26

Tgt Ion	Ratio	Lower	Upper
91	100		
92	48.3	41.5	62.3
134	22.3	19.6	29.4





#85
 1,2-Dichlorobenzene
 Concen: 0.475 ug/l
 RT: 11.86 min Scan# 3350
 Delta R.T. -0.00 min
 Lab File: VU033195.D
 Acq: 11 Jul 2019 16:26

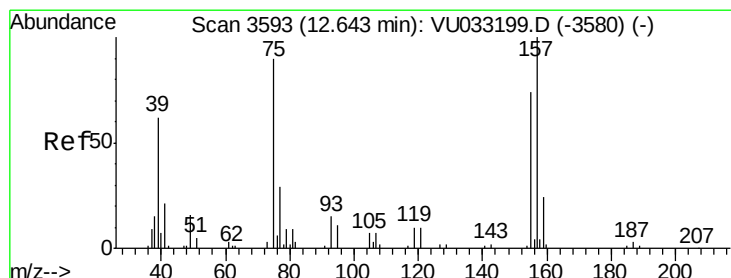
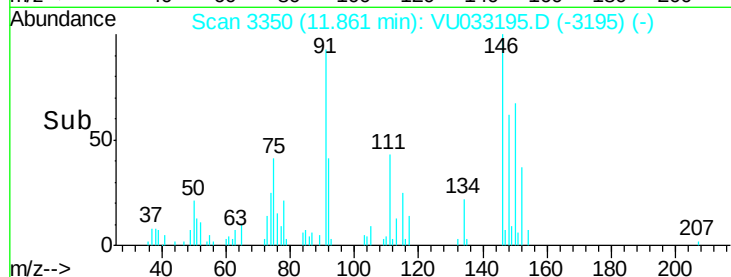
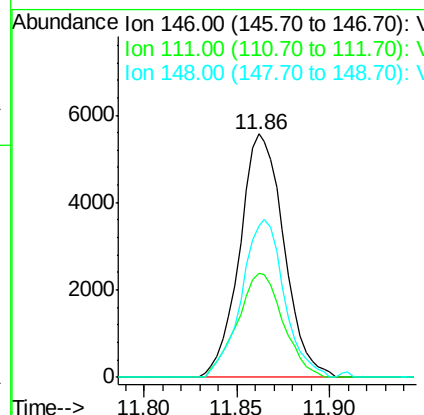
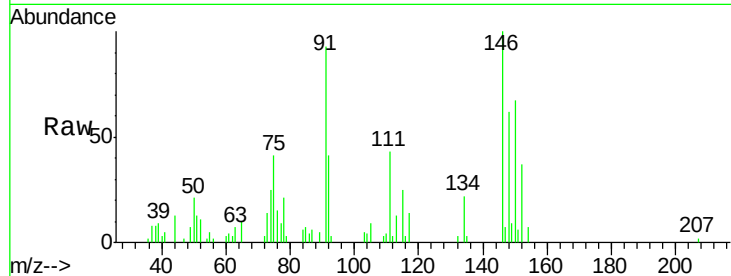
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.1	21.3	63.7
148	62.4	32.0	96.0

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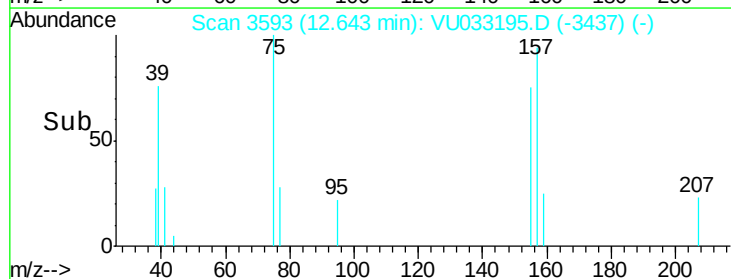
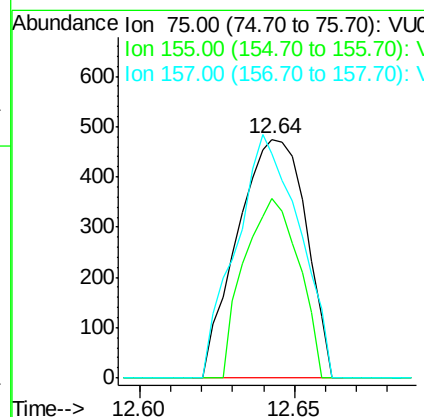
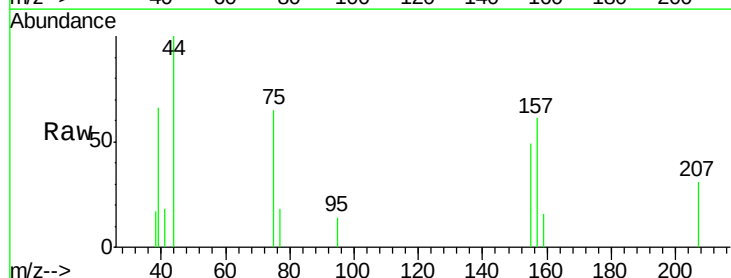
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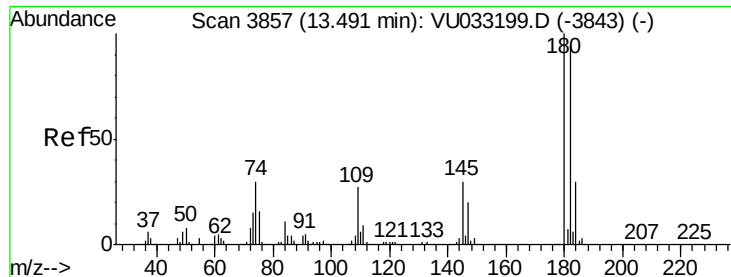
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#86
 1,2-Dibromo-3-Chloropropane
 Concen: 0.485 ug/l
 RT: 12.64 min Scan# 3593
 Delta R.T. 0.00 min
 Lab File: VU033195.D
 Acq: 11 Jul 2019 16:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	60.2	60.6	90.8#
157	94.4	82.5	123.7





#87
 1,2,4-Trichlorobenzene
 Concen: 0.476 ug/l
 RT: 13.49 min Scan# 3856
 Delta R.T. -0.00 min
 Lab File: VU033195.D
 Acq: 11 Jul 2019 16:26

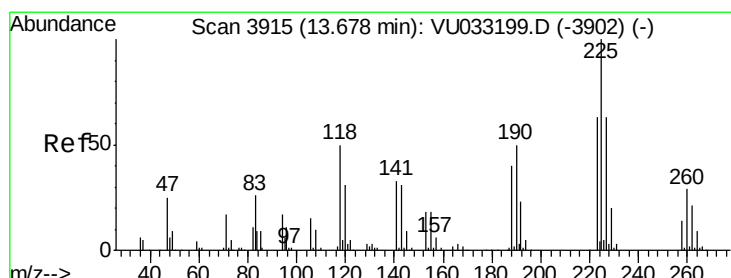
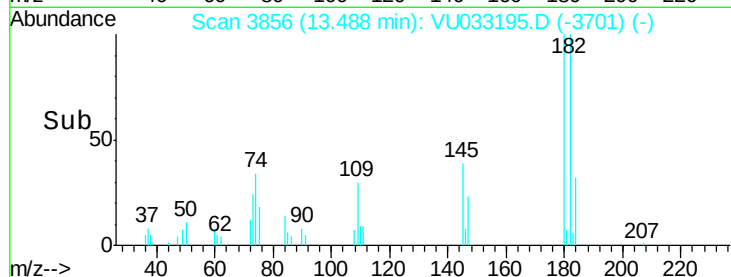
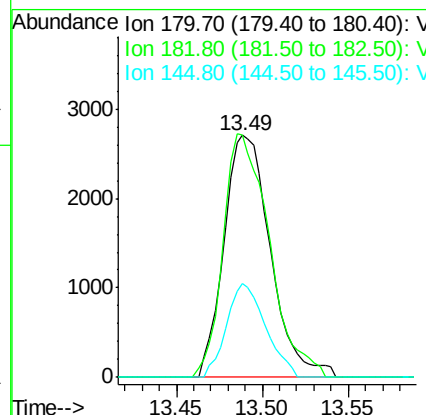
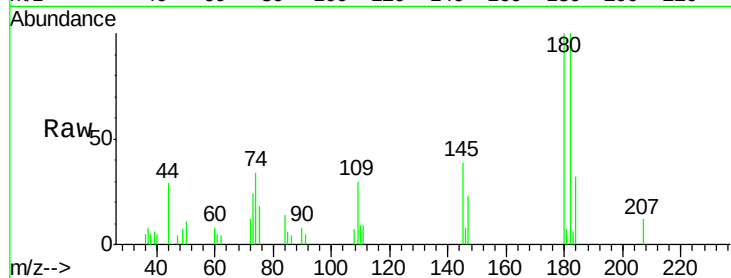
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
180	100		
182	100.0	75.4	113.2
145	32.4	24.5	36.7

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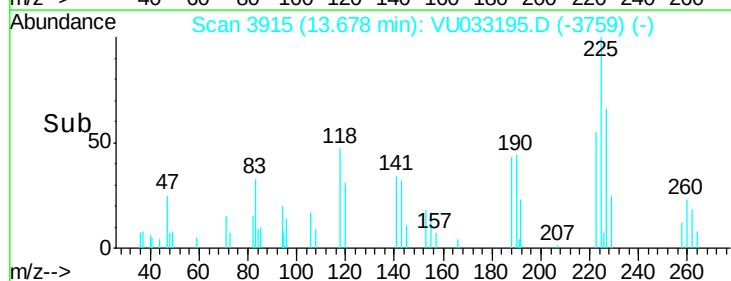
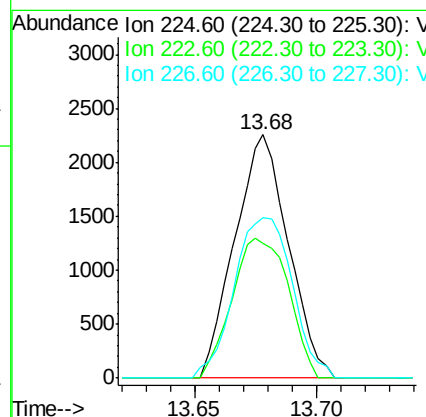
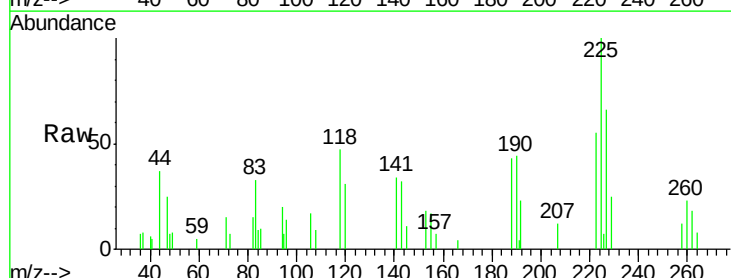
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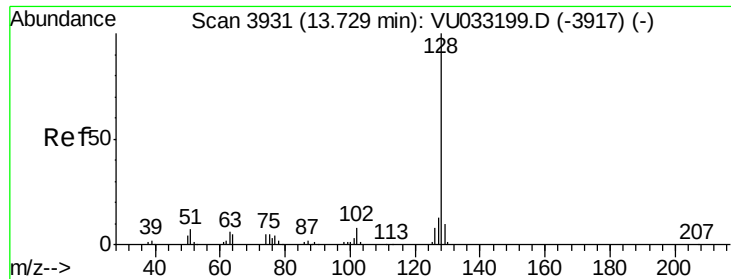
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#88
 Hexachlorobutadiene
 Concen: 0.495 ug/l
 RT: 13.68 min Scan# 3915
 Delta R.T. 0.00 min
 Lab File: VU033195.D
 Acq: 11 Jul 2019 16:26

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.8	51.1	76.7
227	71.7	51.2	76.8





#89
Naphthalene
Concen: 0.478 ug/l
RT: 13.73 min Scan# 3932
Delta R.T. 0.00 min
Lab File: VU033195.D
Acq: 11 Jul 2019 16:26

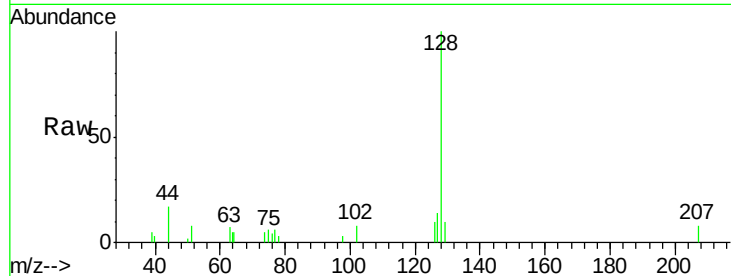
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	10.3	8.6	12.8

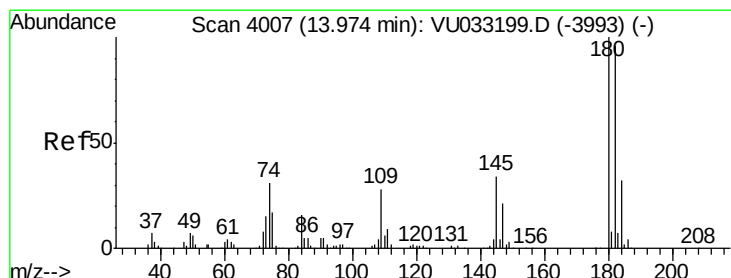
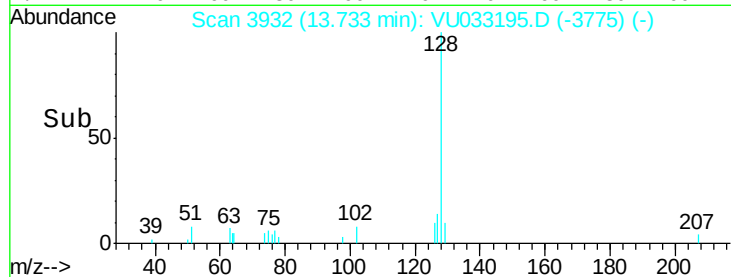
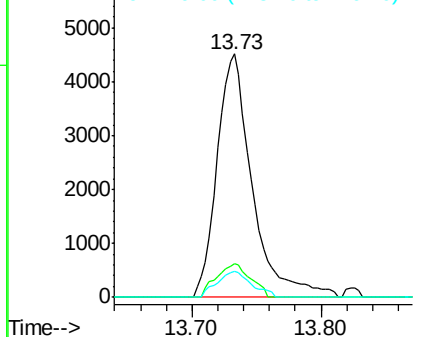
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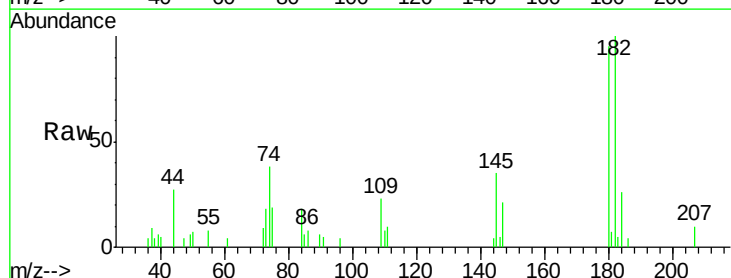


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#90
1,2,3-Trichlorobenzene
Concen: 0.484 ug/l
RT: 13.97 min Scan# 4007
Delta R.T. 0.00 min
Lab File: VU033195.D
Acq: 11 Jul 2019 16:26

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.8	76.2	114.4
145	29.9	26.6	40.0



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

