

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071119\
 Data File : VU033206.D
 Acq On : 11 Jul 2019 23:41
 Operator : JC/SP
 Sample : VU0711WBSD01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0711WBSD01

Manual Integrations
 APPROVED

Quant Time: Jul 12 06:51:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U071119DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Jul 12 05:19:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.72	96	30513	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.29	95	11781	1.02	ug/l	0.00
Spiked Amount	1.000		Recovery	=	102.00%	
68) 1,2-Dichlorobenzene-d4	11.85	152	12228	0.98	ug/l	0.00
Spiked Amount	1.000		Recovery	=	98.00%	

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Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	24342	2.042	ug/l 99
3) Chloromethane	1.33	50	27662	1.986	ug/l 99
4) Vinyl Chloride	1.40	62	29383	2.047	ug/l 99
5) Bromomethane	1.62	94	20030	2.236	ug/l 97
6) Chloroethane	1.69	64	18436	2.094	ug/l 98
7) Trichlorofluoromethane	1.88	101	40771	2.099	ug/l 99
8) 1,1,2-Trichloro-1,2,2-trif	2.28	101	20790	2.085	ug/l 98
9) 1,1-Dichloroethene	2.27	96	20604	2.047	ug/l 98
10) Iodomethane	2.40	142	20007	1.883	ug/l 99
11) Allyl Chloride	2.58	41	32568	1.936	ug/l 96
12) Acrylonitrile	2.92	53	11971	4.294	ug/l 97
13) Acetone	2.31	43	23451	9.382	ug/l 95
14) Carbon Disulfide	2.46	76	75533	2.056	ug/l 100
15) Methylene Chloride	2.68	84	27501	2.044	ug/l 99
16) trans-1,2-Dichloroethene	2.96	96	23588	2.046	ug/l 94
17) 1,1-Dichloroethane	3.42	63	34283	2.048	ug/l 99
18) 2-Butanone	4.26	43	23917	9.578	ug/l 99
19) Cyclohexane	4.97	56	24625m	1.925	ug/l
20) Methylcyclohexane	6.39	83	25859	1.928	ug/l 97
21) 2,2-Dichloropropane	4.20	77	23196	1.650	ug/l 99
22) cis-1,2-Dichloroethene	4.20	96	19826	2.071	ug/l 96
23) Diethyl Ether	2.09	59	17518	1.996	ug/l 96
24) tert-Butyl Alcohol	2.82	59	21370	19.978	ug/l 98
25) Methyl tert-Butyl Ether	2.99	73	61855	2.108	ug/l 98
26) Bromochloromethane	4.52	128	8454	1.993	ug/l 97
27) Chloroform	4.65	83	37453	2.027	ug/l 98
28) 1,1,1-Trichloroethane	4.89	97	29843	2.040	ug/l 98
29) 1,1-Dichloropropene	5.11	75	24874	2.016	ug/l 98
30) Carbon Tetrachloride	5.11	117	25852	2.001	ug/l 96
31) Isopropyl Ether	3.56	45	45504	2.025	ug/l 96
32) Ethyl-t-butyl ether	4.05	59	42965	1.961	ug/l 99
33) Tert-Amyl methyl ether	5.56	73	38890	1.926	ug/l 99
34) Propionitrile	4.32	54	7477	10.568	ug/l # 92
35) Benzene	5.36	78	73689	2.048	ug/l 99
36) 1,2-Dichloroethane	5.39	62	24164	2.075	ug/l 98
37) Trichloroethene	6.16	130	19333	2.056	ug/l 90
38) 1,2-Dichloropropane	6.41	63	20256	2.082	ug/l 97
39) Methacrylonitrile	4.53	41	5666	1.932	ug/l 95
40) Methyl acrylate	4.41	55	9151	2.107	ug/l # 94
41) Tetrahydrofuran	4.63	42	5907	3.839	ug/l 93
42) 1-Chlorobutane	5.04	56	33541	2.002	ug/l 97

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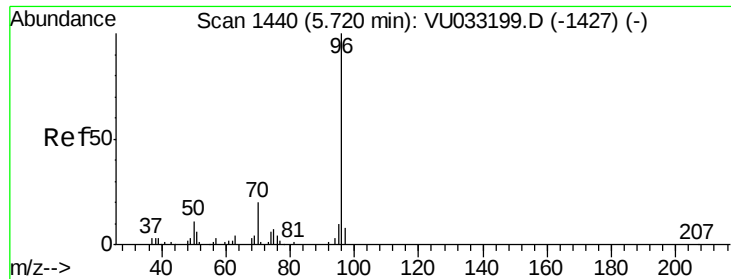
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0711WBSD01

Manual Integrations
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Quant Time: Jul 12 06:51:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U071119DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Jul 12 05:19:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.54	93	10342	1.988	ug/l	97
44) Bromodichloromethane	6.74	83	26155	2.040	ug/l	97
45) 4-Methyl-2-Pentanone	7.45	43	59093	10.085	ug/l	96
46) t-1,4-Dichloro-2-butene	10.49	75	9802m	3.929	ug/l	
47) Methyl methacrylate	6.61	69	16672	3.961	ug/l	95
48) Ethyl methacrylate	8.01	69	15065	1.904	ug/l	98
49) Toluene	7.62	92	41889	1.974	ug/l	98
50) t-1,3-Dichloropropene	7.86	75	22240	1.955	ug/l	99
51) cis-1,3-Dichloropropene	7.25	75	25518	1.942	ug/l	97
52) 1,1,2-Trichloroethane	8.05	97	14741	2.041	ug/l	95
53) 1,3-Dichloropropane	8.22	76	25170	2.056	ug/l	99
54) 2-Hexanone	8.35	43	39867	9.735	ug/l	97
55) Dibromochloromethane	8.46	129	16853	2.016	ug/l	99
56) 1,2-Dibromoethane	8.57	107	13833	2.070	ug/l	98
58) Tetrachloroethene	8.21	164	17267	2.009	ug/l	96
59) Chlorobenzene	9.10	112	47480	1.991	ug/l	97
60) 1,1,1,2-Tetrachloroethane	9.19	131	17886	2.035	ug/l	97
61) Pentachloroethane	11.09	117	13576	1.965	ug/l	96
62) Hexachloroethane	12.13	117	13558	2.021	ug/l	96
63) Ethyl Benzene	9.23	91	74012	1.898	ug/l	99
64) m/p-Xylenes	9.36	106	60348	3.961	ug/l	94
65) o-Xylene	9.76	106	29026	1.960	ug/l	99
66) Styrene	9.77	104	47907	1.916	ug/l	98
67) Bromoform	9.94	173	9450	1.988	ug/l	96
69) Isopropylbenzene	10.15	105	74873	1.944	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.44	83	19865	2.020	ug/l	96
71) 1,2,3-Trichloropropane	10.48	75	14458m	1.962	ug/l	
72) Bromobenzene	10.44	156	20431	2.046	ug/l	97
73) n-propylbenzene	10.57	120	20967	1.922	ug/l	98
74) 2-Chlorotoluene	10.64	126	19984	2.030	ug/l	100
75) 1,3,5-Trimethylbenzene	10.76	105	67185	2.016	ug/l	100
76) 4-Chlorotoluene	10.76	126	20433	2.033	ug/l	96
77) tert-Butylbenzene	11.08	119	61950	1.930	ug/l	99
78) 1,2,4-Trimethylbenzene	11.13	105	65721	1.929	ug/l	98
79) sec-Butylbenzene	11.31	105	87108	1.978	ug/l	99
80) Nitrobenzene	12.87	77	2498m	9.276	ug/l	
81) p-Isopropyltoluene	11.46	119	67942	1.897	ug/l	98
82) 1,3-Dichlorobenzene	11.40	146	42662	2.070	ug/l	99
83) 1,4-Dichlorobenzene	11.49	146	40482	1.951	ug/l	97
84) n-Butylbenzene	11.87	91	67904	1.902	ug/l	96
85) 1,2-Dichlorobenzene	11.86	146	39828	2.020	ug/l	98
86) 1,2-Dibromo-3-Chloropropan	12.64	75	3278	2.105	ug/l	92
87) 1,2,4-Trichlorobenzene	13.49	180	23022	1.897	ug/l	97
88) Hexachlorobutadiene	13.68	225	13777	1.965	ug/l	99
89) Naphthalene	13.73	128	40456	1.934	ug/l	99
90) 1,2,3-Trichlorobenzene	13.98	180	21249	1.833	ug/l	94

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

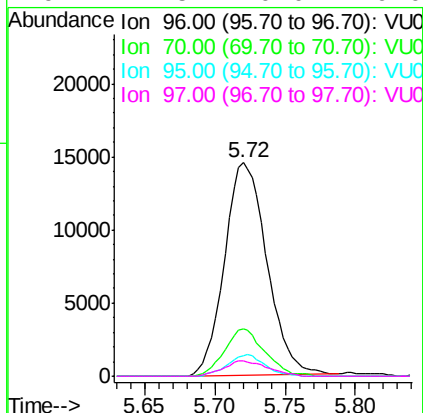
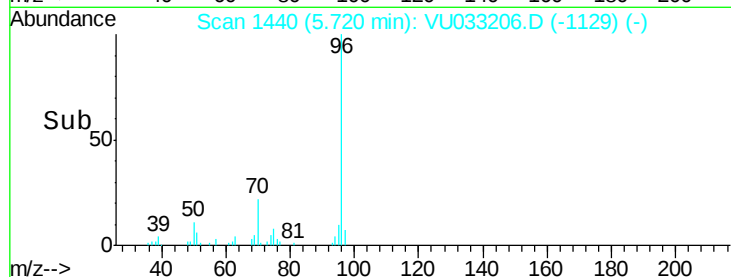
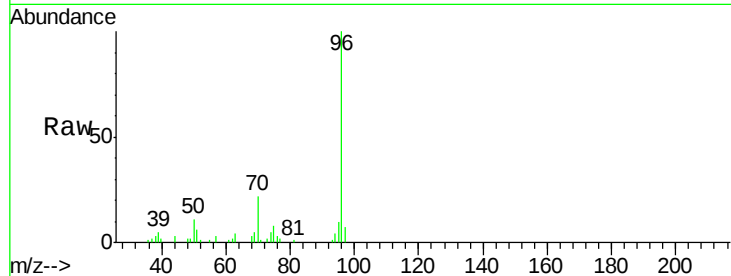


#1
 Fluorobenzene
 Concen: 1.000 ug/l
 RT: 5.72 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: VU033206.D
 Acq: 11 Jul 2019 23:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0711WBSD01

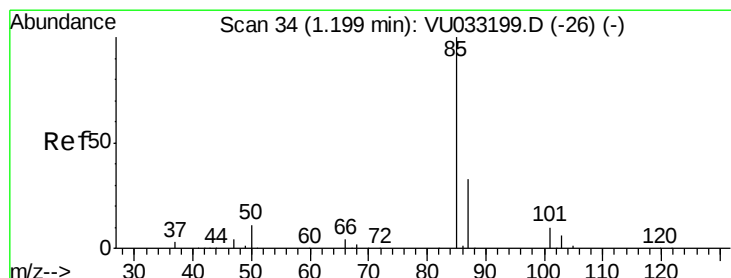
Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100		30513		
70	21.2	16.2	24.4		
95	9.0	7.8	11.8		
97	7.5	0.0	0.0		

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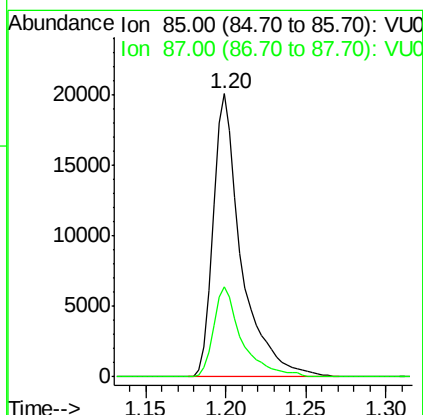
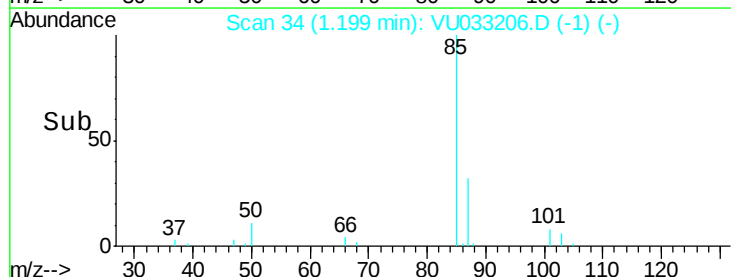
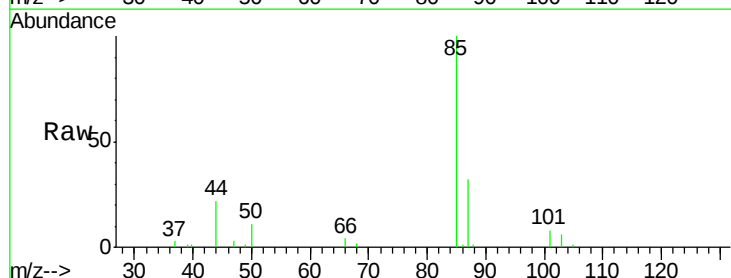
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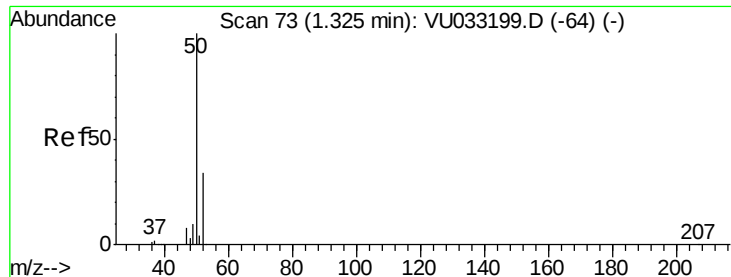
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#2
 Dichlorodifluoromethane
 Concen: 2.042 ug/l
 RT: 1.20 min Scan# 34
 Delta R.T. 0.00 min
 Lab File: VU033206.D
 Acq: 11 Jul 2019 23:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
85	100		24342		
87	32.0	16.4	49.1		





#3

Chloromethane

Concen: 1.986 ug/l

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU033206.D

Acq: 11 Jul 2019 23:41

Instrument :

MSVOA_U

ClientSampleId :

VU0711WBSD01

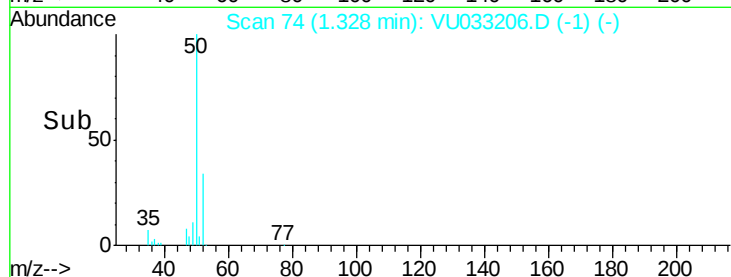
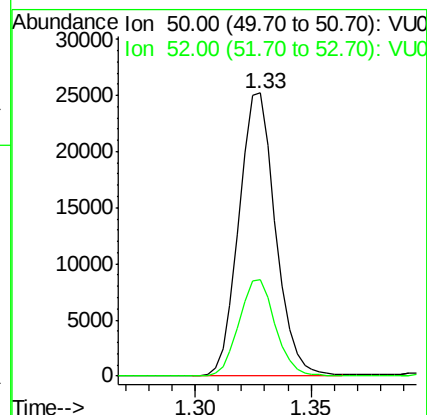
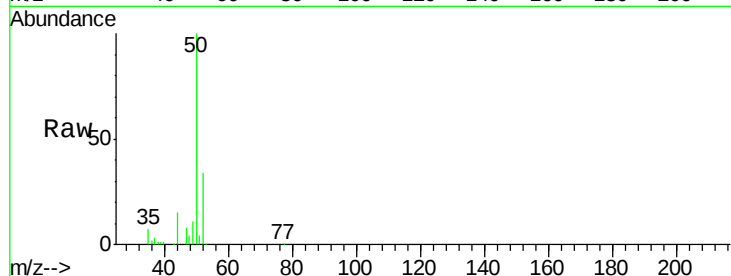
Tot Ion: 50 Resp: 27662

Ion Ratio Lower Upper

50 100

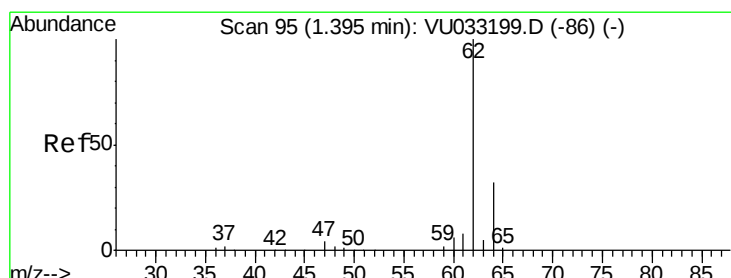
52 34.2 27.0 40.4

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#4

Vinyl Chloride

Concen: 2.047 ug/l

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU033206.D

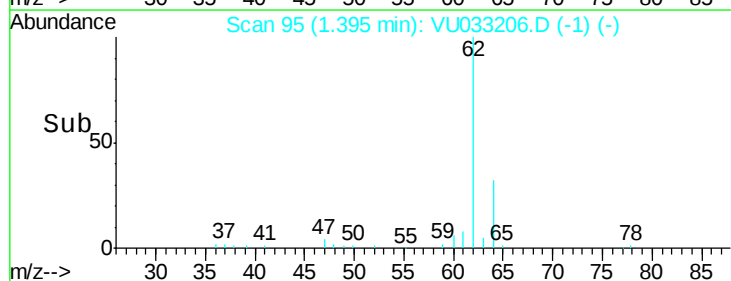
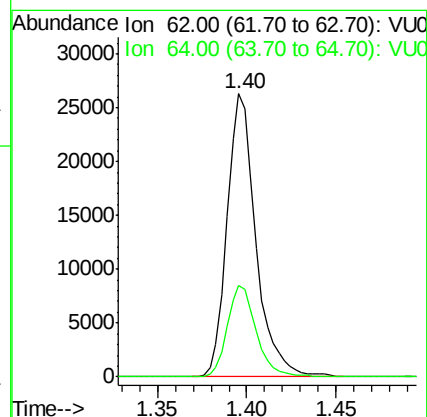
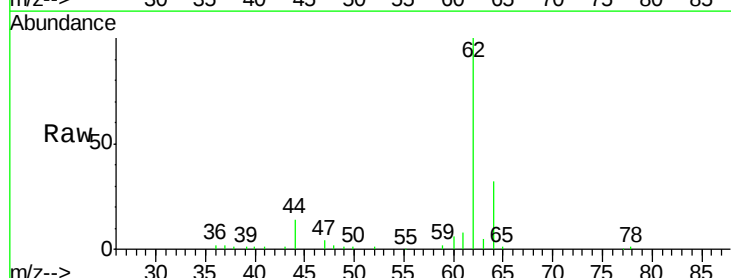
Acq: 11 Jul 2019 23:41

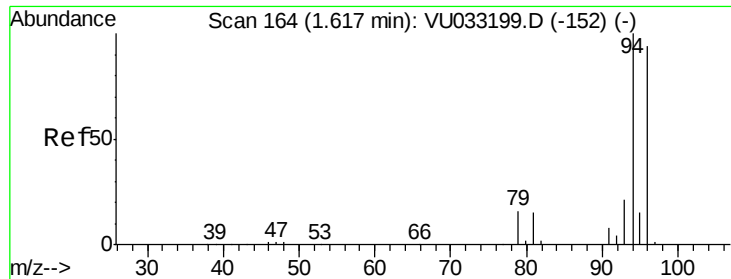
Tgt Ion: 62 Resp: 29383

Ion Ratio Lower Upper

62 100

64 32.4 25.7 38.5





#5

Bromomethane

Concen: 2.236 ug/l

RT: 1.62 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU033206.D

Acq: 11 Jul 2019 23:41

Instrument :

MSVOA_U

ClientSampleId :

VU0711WBSD01

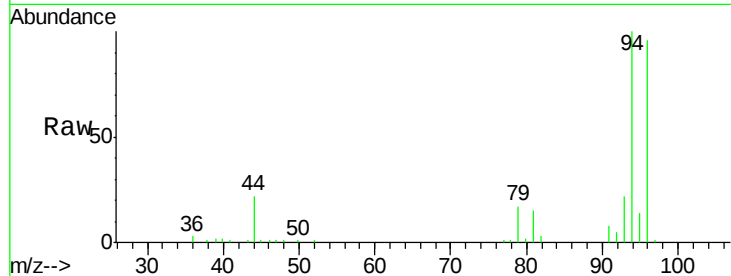
Tot Ion: 94 Resp: 20030

Ion Ratio Lower Upper

94 100

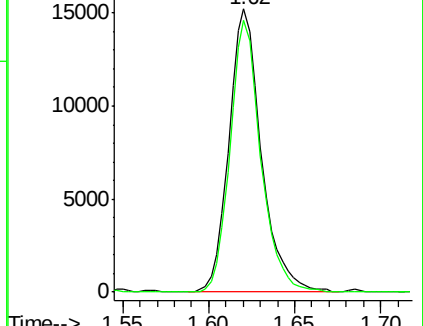
96 96.0 74.8 112.2

Manual Integrations
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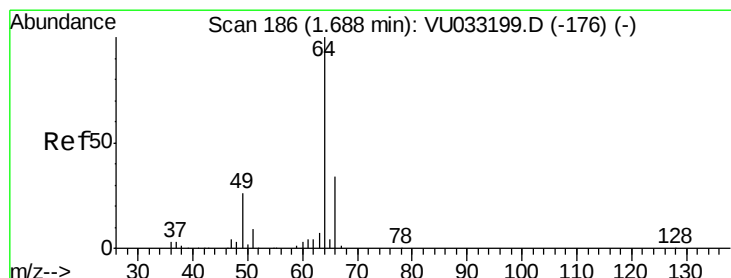
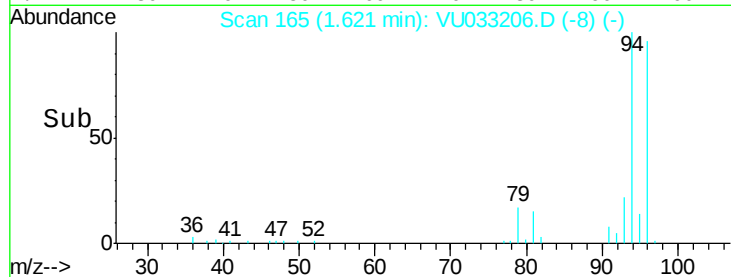
Abundance Ion 94.00 (93.70 to 94.70): VU033199.D (-152) (-)

Ion 96.00 (95.70 to 96.70): VU033199.D (-152) (-)



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#6

Chloroethane

Concen: 2.094 ug/l

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU033206.D

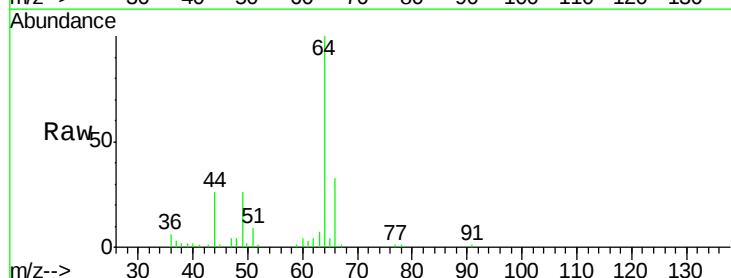
Acq: 11 Jul 2019 23:41

Tgt Ion: 64 Resp: 18436

Ion Ratio Lower Upper

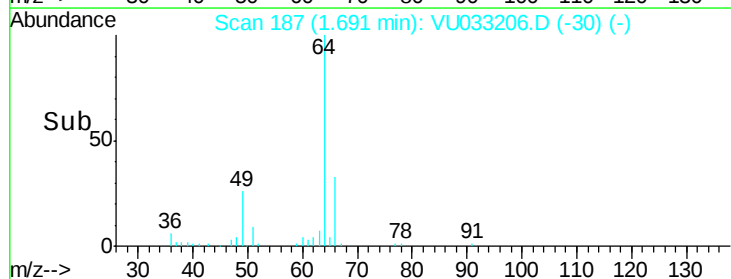
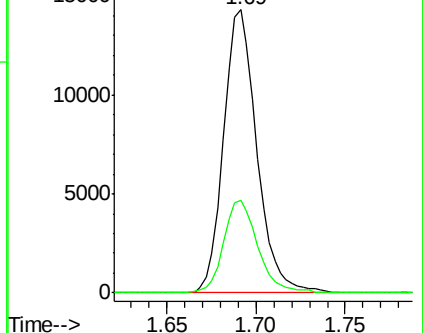
64 100

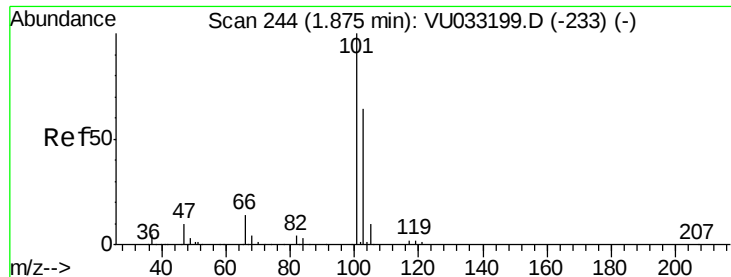
66 32.5 27.0 40.4



Abundance Ion 64.00 (63.70 to 64.70): VU033199.D (-176) (-)

Ion 66.00 (65.70 to 66.70): VU033199.D (-176) (-)





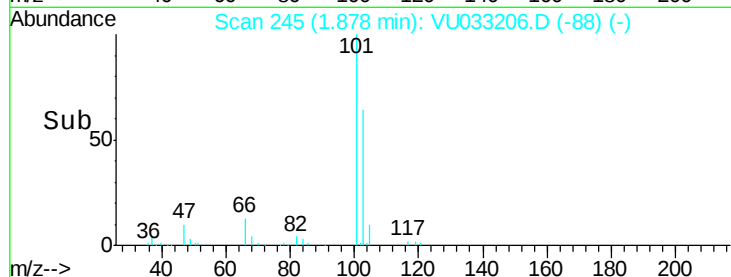
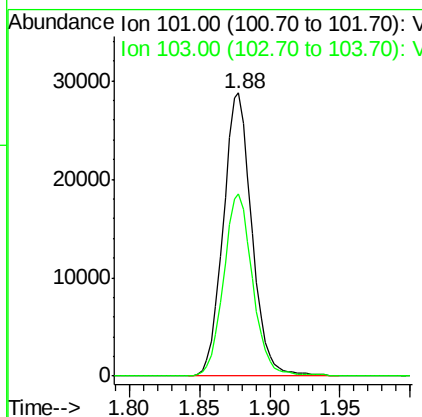
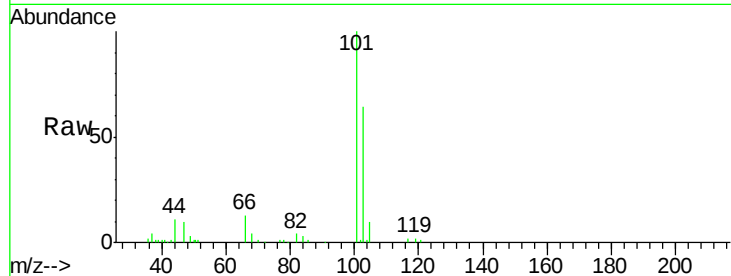
#7

Trichlorofluoromethane
Concen: 2.099 ug/l
RT: 1.88 min Scan# 245
Delta R.T. 0.00 min
Lab File: VU033206.D
Acq: 11 Jul 2019 23:41

Instrument :
MSVOA_U
ClientSampleId :
VU0711WBSD01

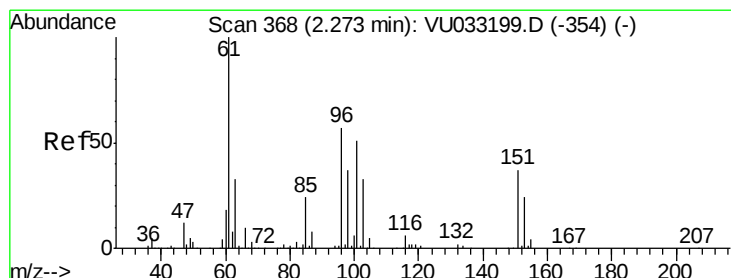
Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		40771		
103	64.4	51.0	76.6		

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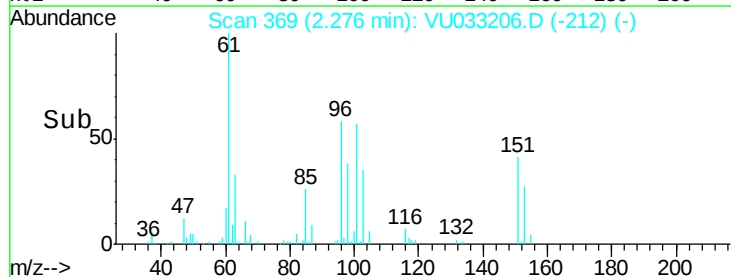
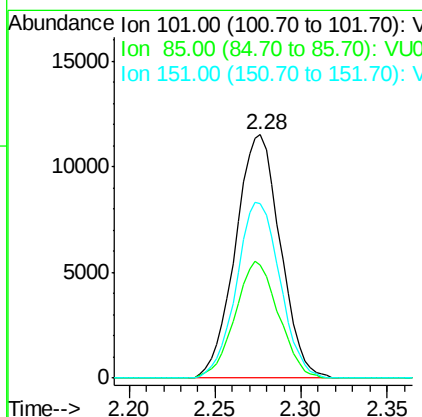
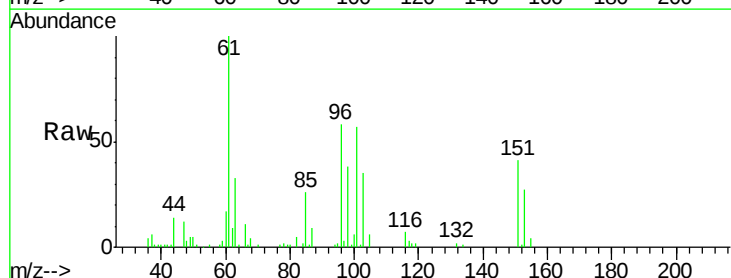
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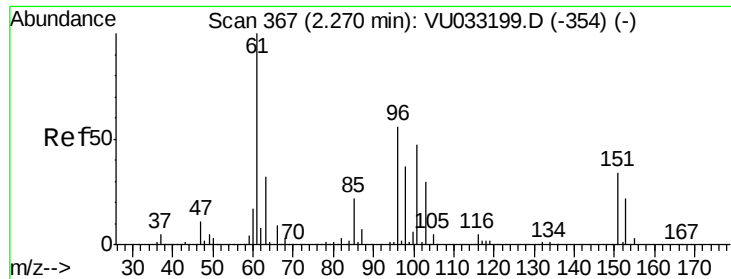


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.085 ug/l
RT: 2.28 min Scan# 369
Delta R.T. 0.00 min
Lab File: VU033206.D
Acq: 11 Jul 2019 23:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
101	100		20790		
85	46.3	37.7	56.5		
151	70.4	58.2	87.2		





#9

1,1-Dichloroethene

Concen: 2.047 ug/l

RT: 2.27 min Scan# 367

Delta R.T. 0.00 min

Lab File: VU033206.D

Acq: 11 Jul 2019 23:41

Instrument :

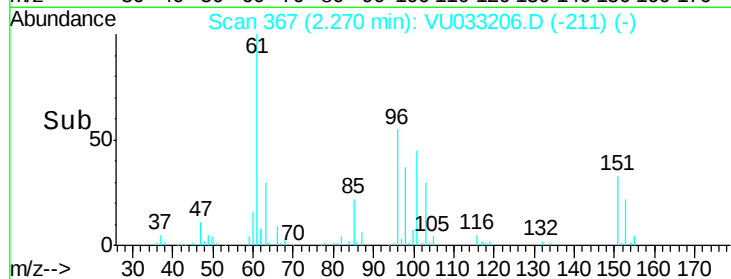
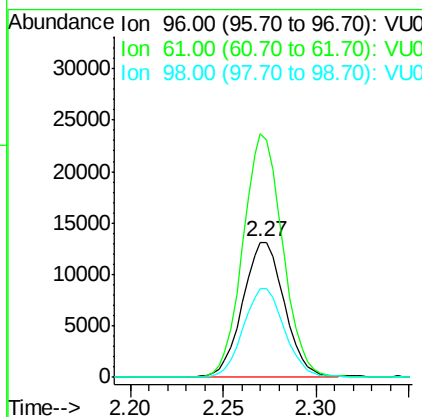
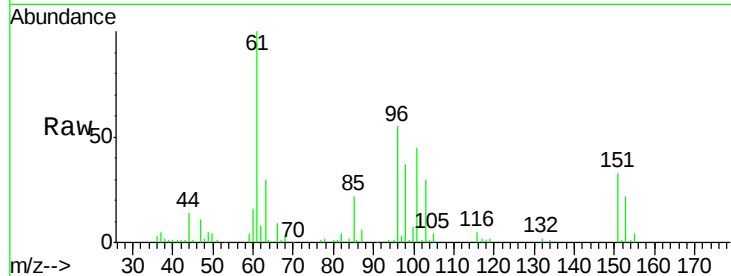
MSVOA_U

ClientSampleId :

VU0711WBSD01

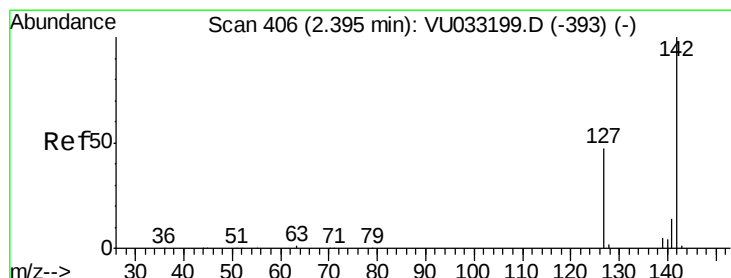
Tot Ion:	96	Resp:	20604
Ion	Ratio	Lower	Upper
96	100		
61	180.5	0.0	533.7
98	66.0	0.0	129.8

Manual Integrations
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#10

Iodomethane

Concen: 1.883 ug/l

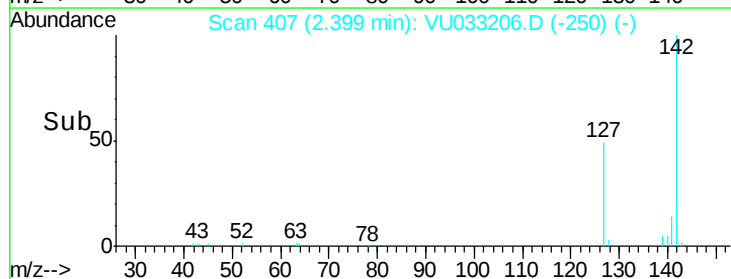
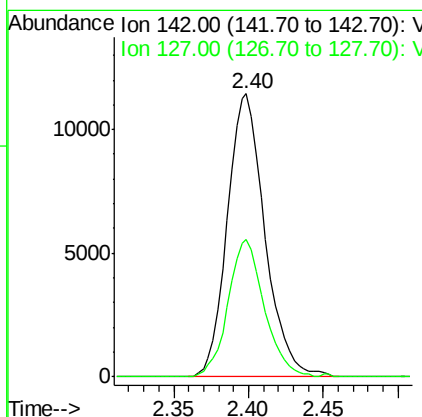
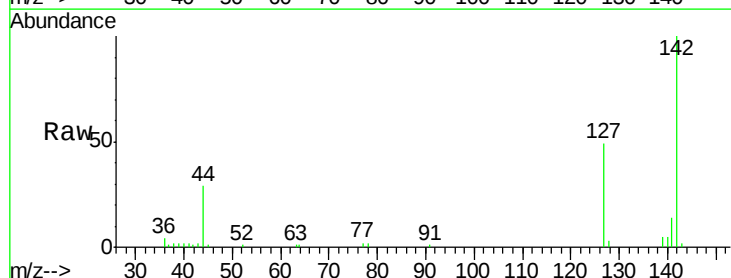
RT: 2.40 min Scan# 407

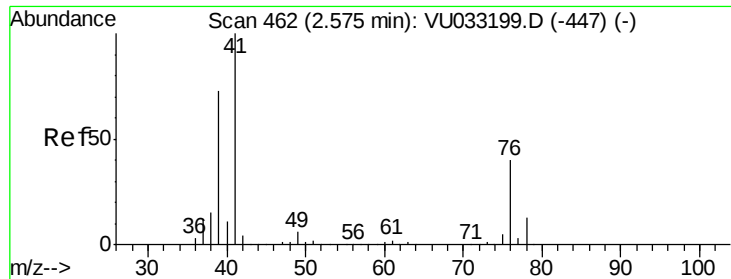
Delta R.T. 0.00 min

Lab File: VU033206.D

Acq: 11 Jul 2019 23:41

Tgt Ion:	142	Resp:	20007
Ion	Ratio	Lower	Upper
142	100		
127	46.7	37.0	55.4



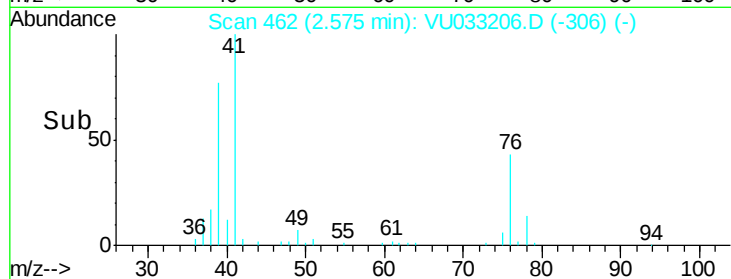
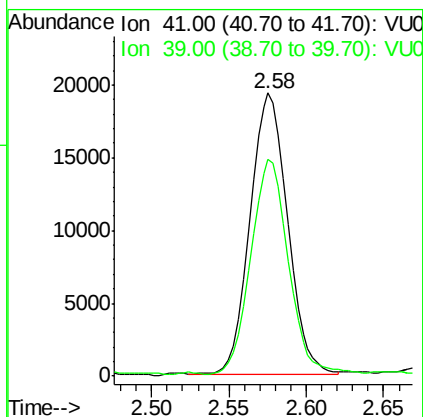
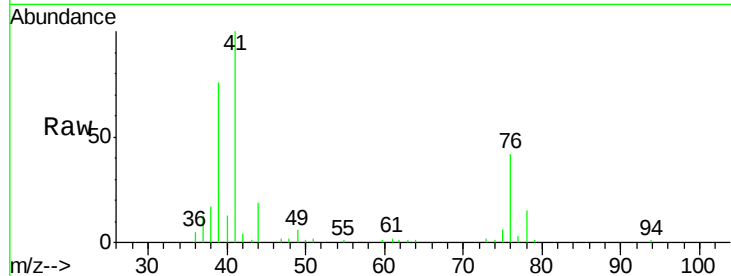


#11
Allvl Chloride
Concen: 1.936 ug/l
RT: 2.58 min Scan# 462
Delta R.T. 0.00 min
Lab File: VU033206.D
Acq: 11 Jul 2019 23:41

Instrument :
MSVOA_U
ClientSampleId :
VU0711WBSD01

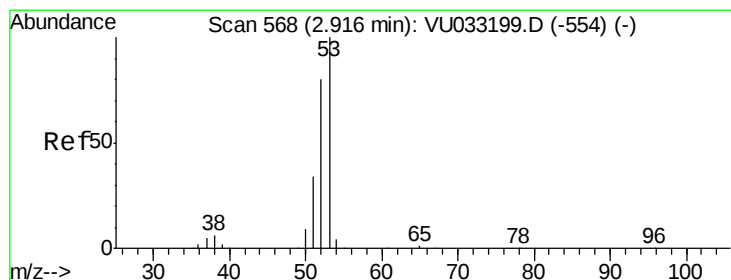
Tot Ion	41	Resp	32568
Ion Ratio	100	Lower	Upper
39	76.5	58.7	88.1

Manual Integrations
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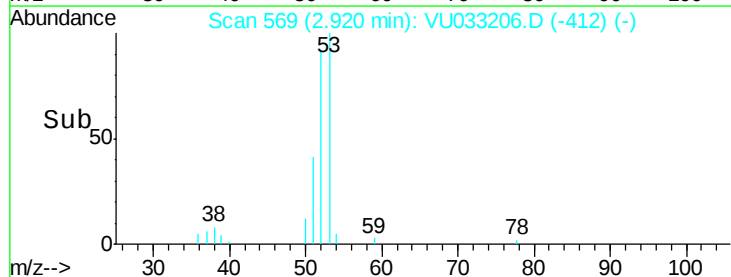
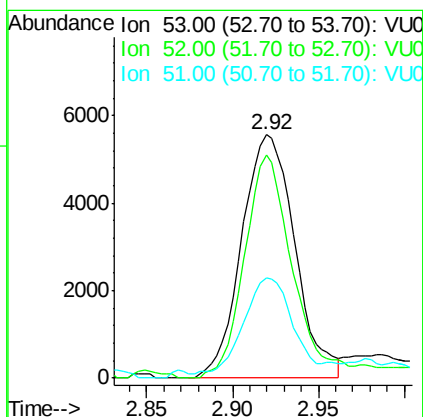
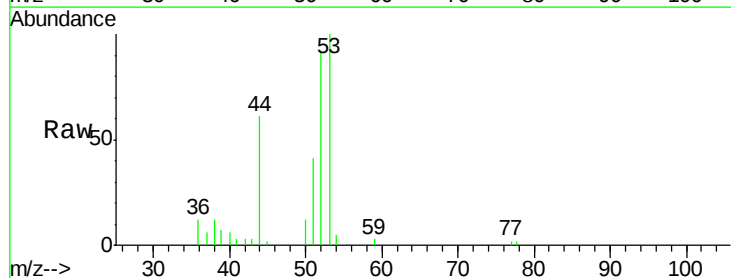
MMDadoda

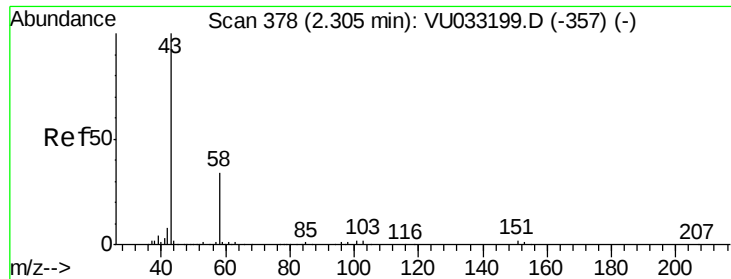
7/16/2019 4:02:36 PM



#12
Acrylonitrile
Concen: 4.294 ug/l
RT: 2.92 min Scan# 569
Delta R.T. 0.00 min
Lab File: VU033206.D
Acq: 11 Jul 2019 23:41

Tgt Ion	53	Resp	11971
Ion Ratio	100	Lower	Upper
52	82.6	68.3	102.5
51	35.0	28.7	43.1



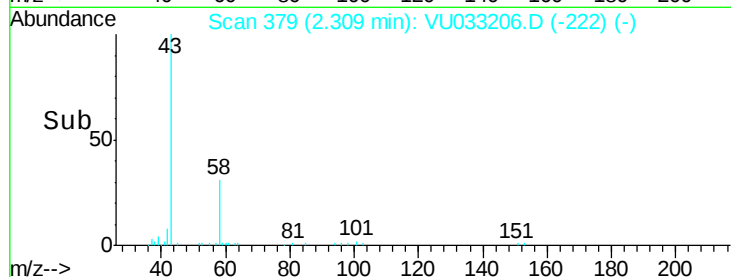
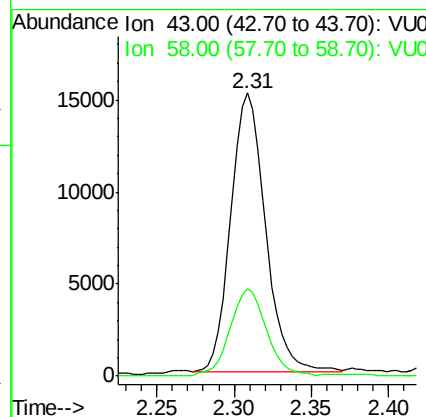
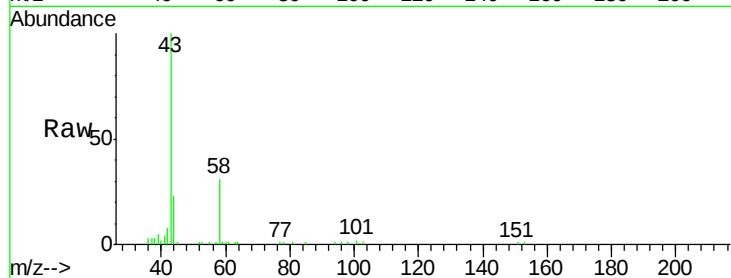


#13
Acetone
Concen: 9.382 ug/l
RT: 2.31 min Scan# 379
Delta R.T. 0.00 min
Lab File: VU033206.D
Acq: 11 Jul 2019 23:41

Instrument :
MSVOA_U
ClientSampleId :
VU0711WBSD01

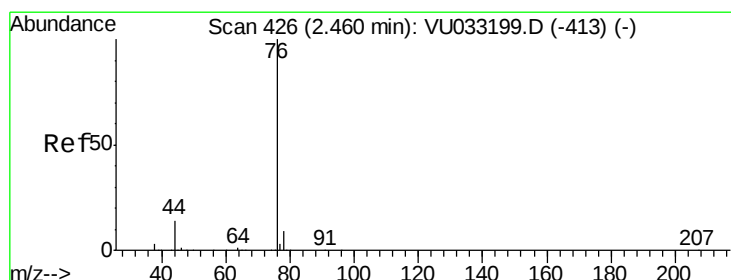
Tot Ion	43	Resp	23451
Ion Ratio	Lower	Upper	
43	100		
58	31.2	27.1	40.7

Manual Integrations
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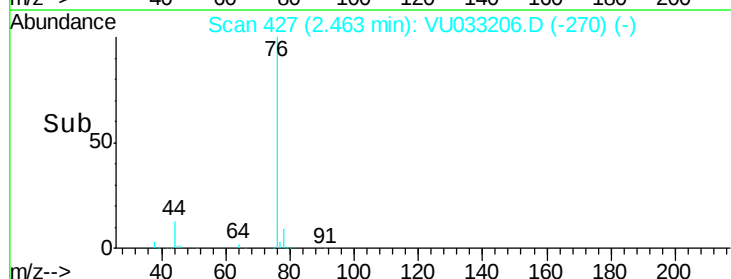
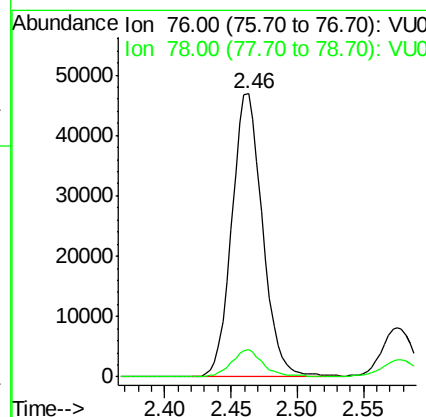
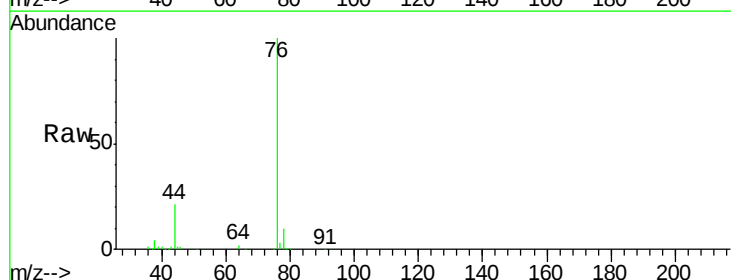
MMDadoda

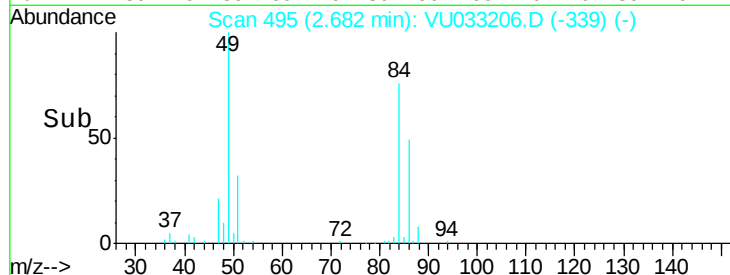
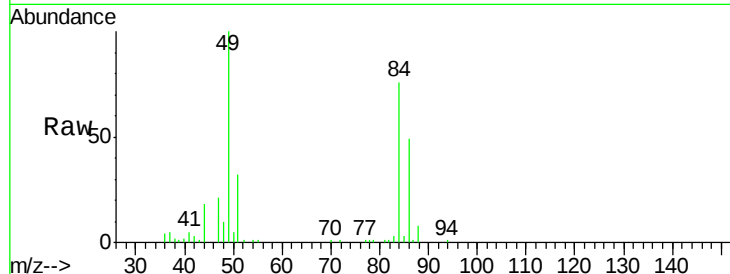
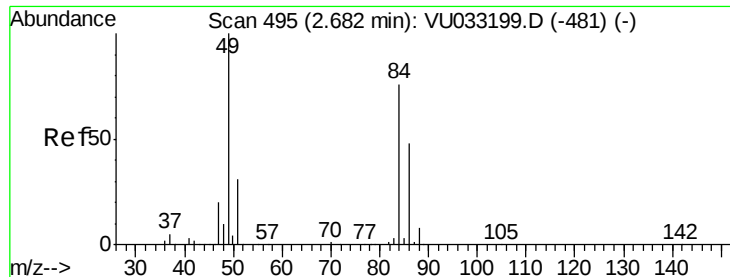
7/16/2019 4:02:36 PM



#14
Carbon Disulfide
Concen: 2.056 ug/l
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VU033206.D
Acq: 11 Jul 2019 23:41

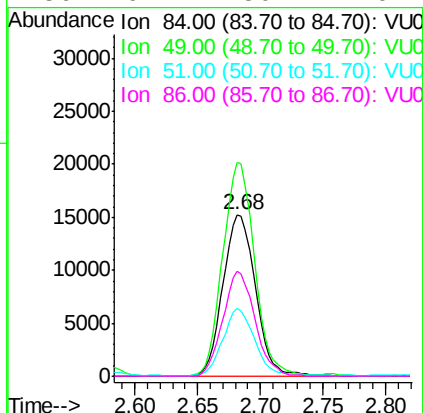
Tgt Ion	76	Resp	75533
Ion Ratio	Lower	Upper	
76	100		
78	9.2	7.4	11.0





#15
Methvlene Chloride
Concen: 2.044 ug/l
RT: 2.68 min Scan# 495
Delta R.T. 0.00 min
Lab File: VU033206.D
Acq: 11 Jul 2019 23:41

Tot Ion	Ion	Ratio	Lower	Upper
84	100			
49	132.1	105.8	158.8	
51	42.0	0.0	82.0	
86	64.7	50.7	76.1	

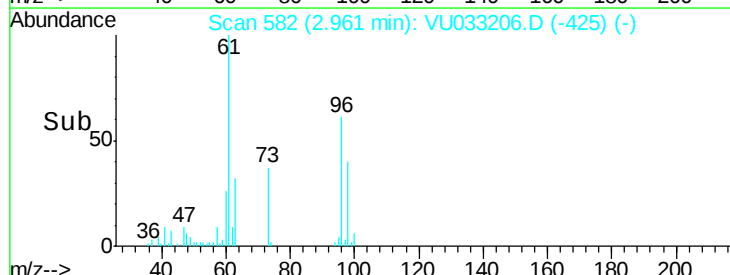
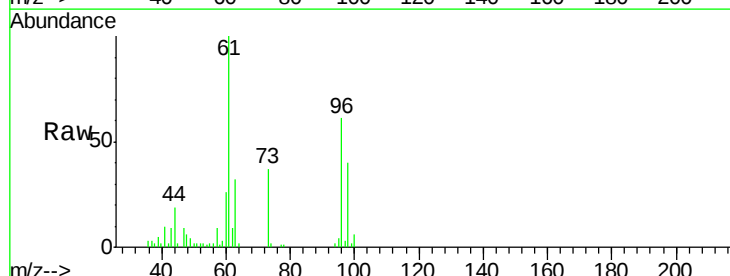
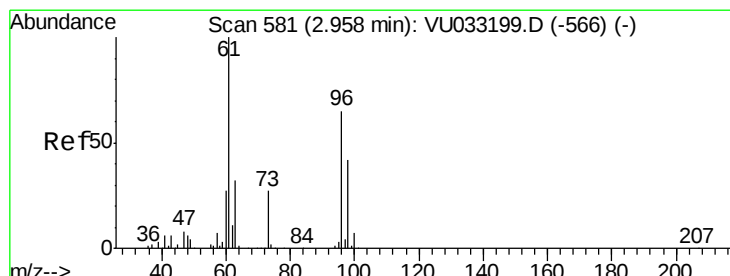


Instrument :
MSVOA_U
ClientSampleId :
VU0711WBSD01

Manual Integrations
APPROVED

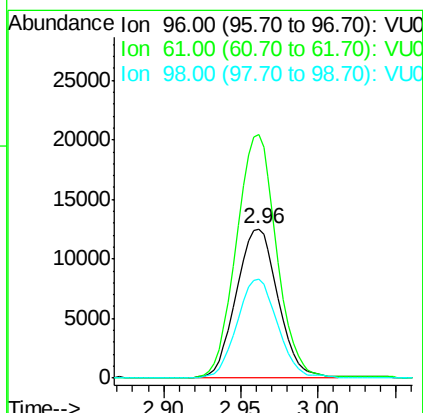
MMDadoda

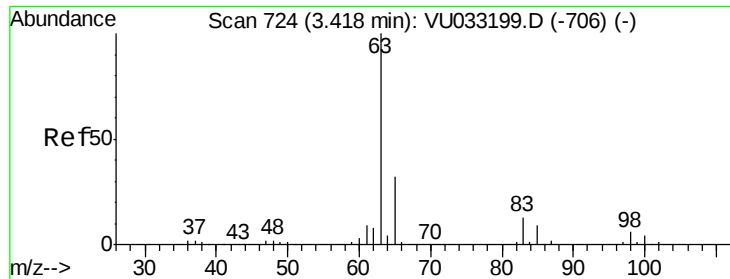
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#16
trans-1,2-Dichloroethene
Concen: 2.046 ug/l
RT: 2.96 min Scan# 582
Delta R.T. 0.00 min
Lab File: VU033206.D
Acq: 11 Jul 2019 23:41

Tgt Ion	Ion	Ratio	Lower	Upper
96	100			
61	163.0	122.6	184.0	
98	66.0	52.0	78.0	



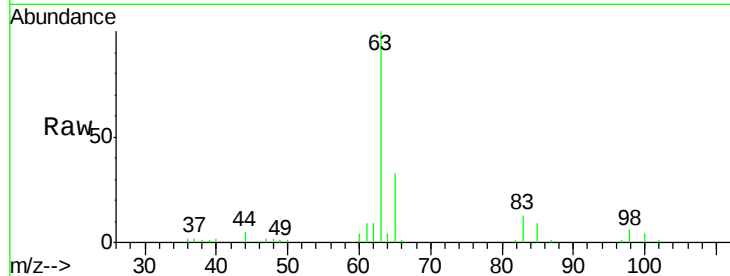


#17
 1,1-Dichloroethane
 Concen: 2.048 ug/l
 RT: 3.42 min Scan# 725
 Delta R.T. 0.00 min
 Lab File: VU033206.D
 Acq: 11 Jul 2019 23:41

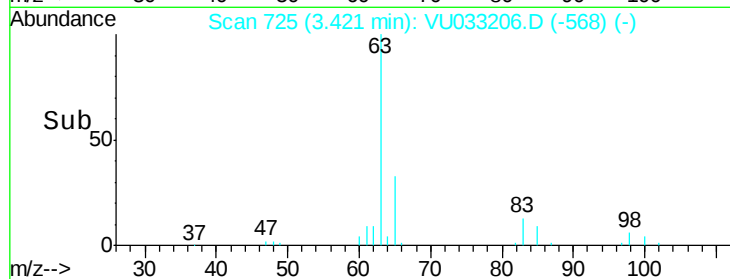
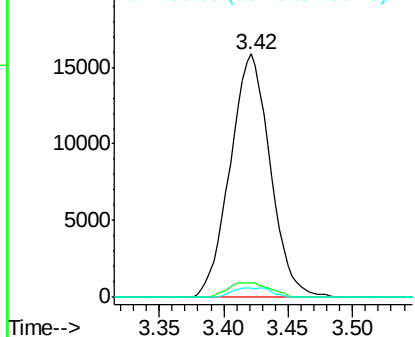
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0711WBSD01

Tot Ion:	63	Resp:	34283
Ion	Ratio	Lower	Upper
63	100		
98	6.2	3.3	9.8
100	3.7	1.8	5.4

Manual Integrations
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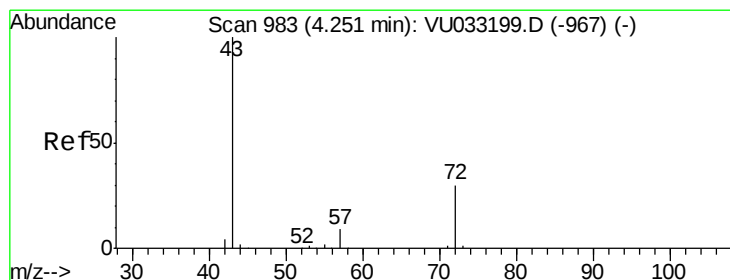


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0
 Ion 100.00 (99.70 to 100.70): VU0



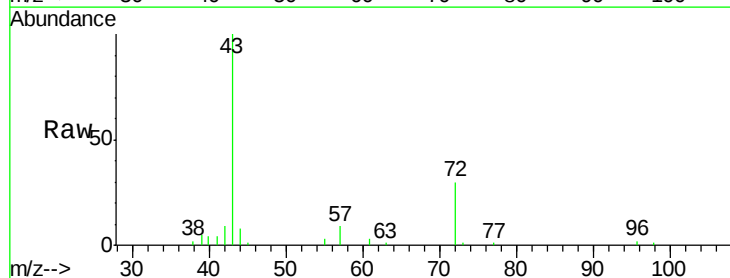
MMDadoda

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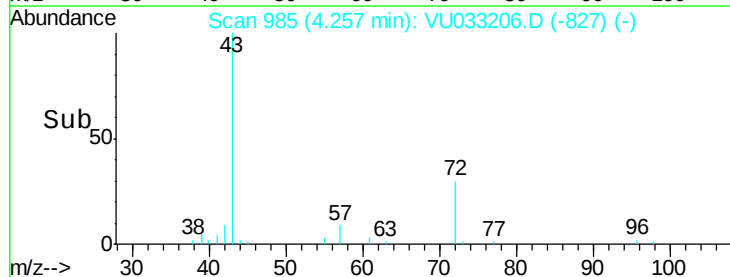
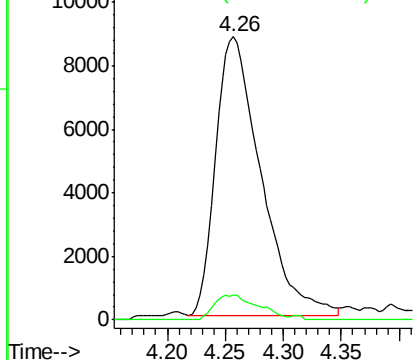


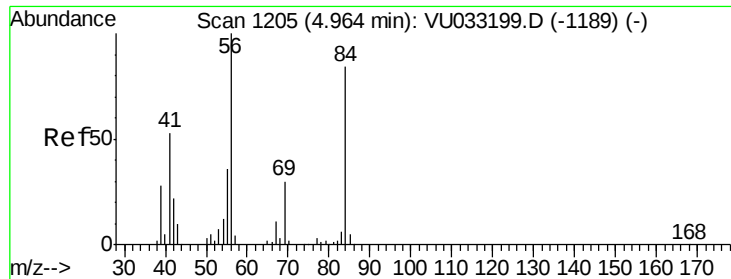
#18
 2-Butanone
 Concen: 9.578 ug/l
 RT: 4.26 min Scan# 985
 Delta R.T. 0.01 min
 Lab File: VU033206.D
 Acq: 11 Jul 2019 23:41

Tgt Ion:	43	Resp:	23917
Ion	Ratio	Lower	Upper
43	100		
57	8.8	0.0	18.4



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



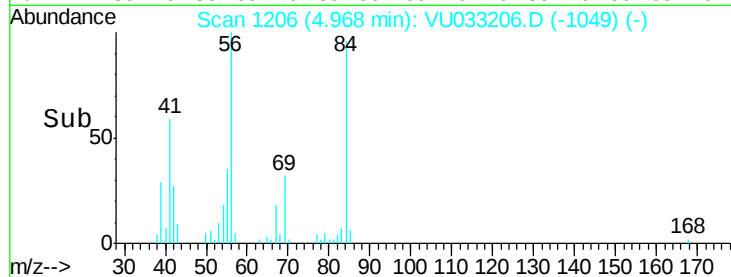
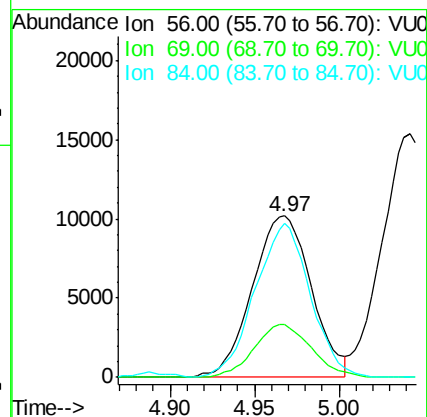
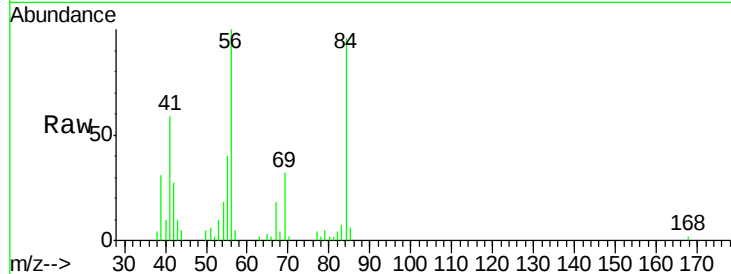


#19
Cyclohexane
Concen: 1.925 ug/l m
RT: 4.97 min Scan# 1206
Delta R.T. 0.00 min
Lab File: VU033206.D
Acq: 11 Jul 2019 23:41

Instrument :
MSVOA_U
ClientSampleId :
VU0711WBSD01

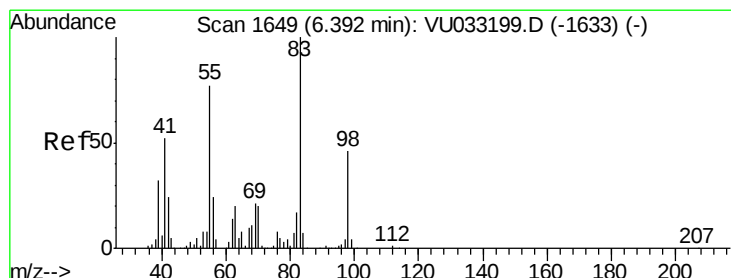
Tot Ion	Ratio	Lower	Upper
56	100		
69	31.8	24.6	37.0
84	89.5	67.5	101.3

Manual Integrations
APPROVED



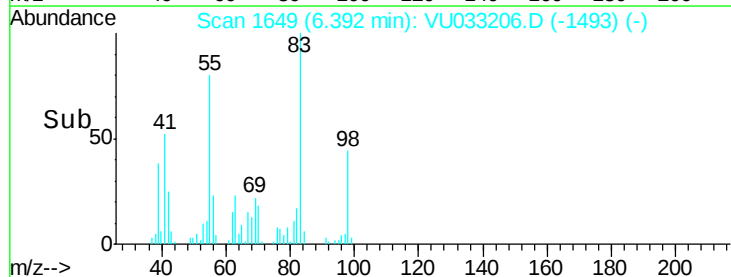
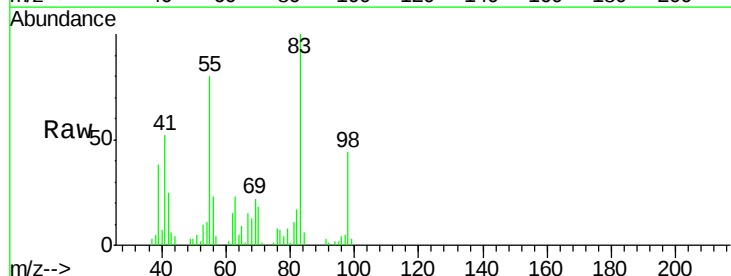
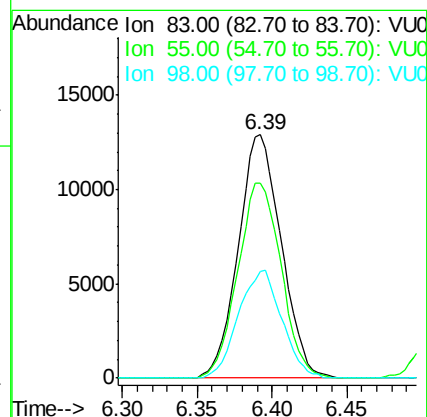
MMDadoda

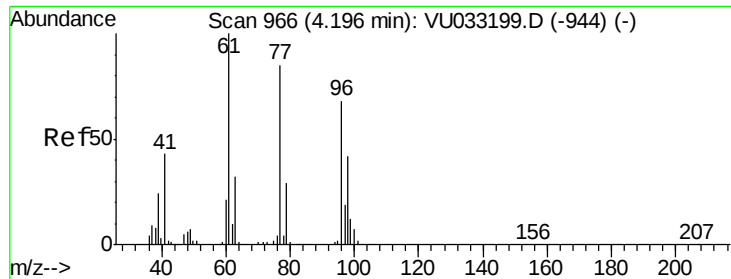
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#20
Methylcyclohexane
Concen: 1.928 ug/l
RT: 6.39 min Scan# 1649
Delta R.T. 0.00 min
Lab File: VU033206.D
Acq: 11 Jul 2019 23:41

Tgt Ion	Ratio	Lower	Upper
83	100		
55	80.7	62.0	93.0
98	44.6	36.3	54.5



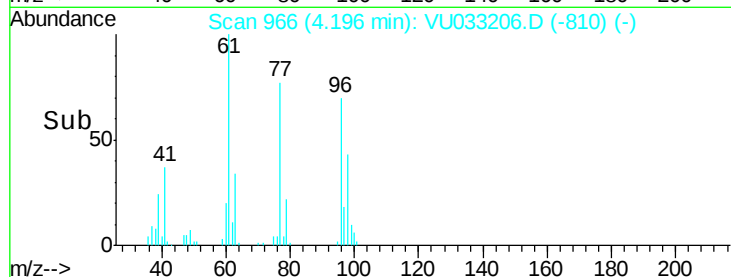
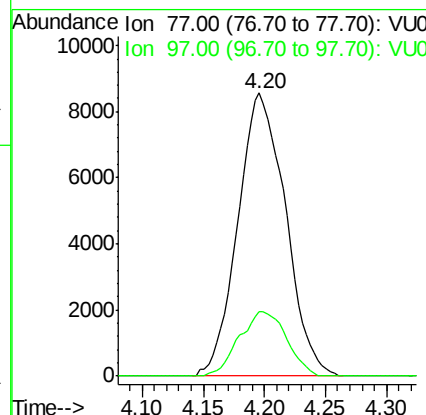
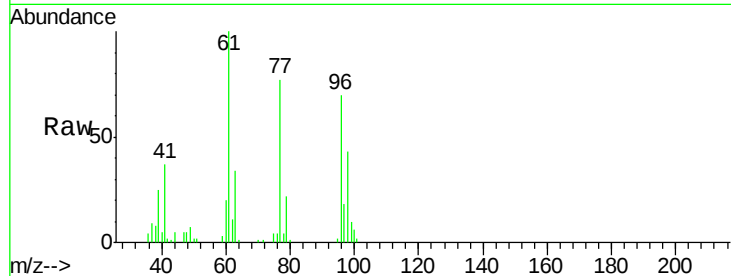


#21
2,2-Dichloropropane
Concen: 1.650 ug/l
RT: 4.20 min Scan# 966
Delta R.T. 0.00 min
Lab File: VU033206.D
Acq: 11 Jul 2019 23:41

Instrument :
MSVOA_U
ClientSampleId :
VU0711WBSD01

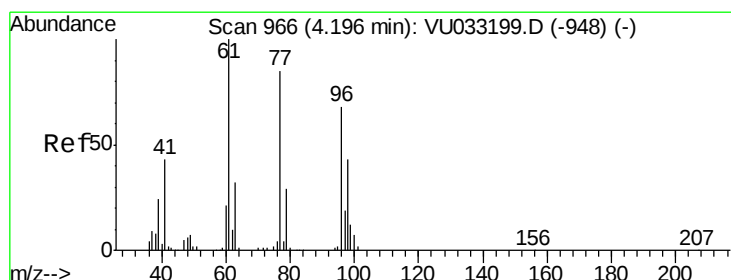
Tot Ion: 77 Resp: 23196
Ion Ratio Lower Upper
77 100
97 22.7 17.6 26.4

Manual Integrations
APPROVED



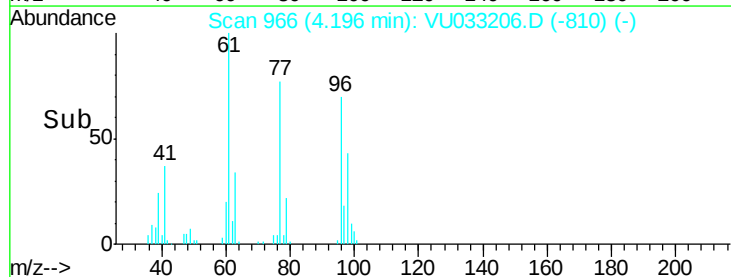
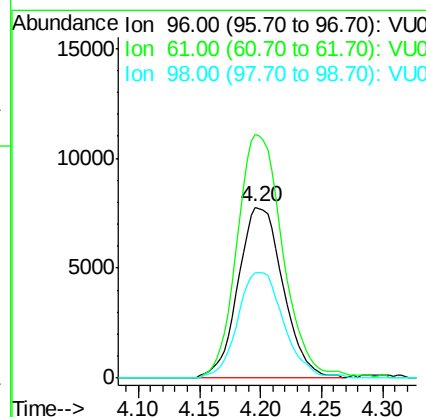
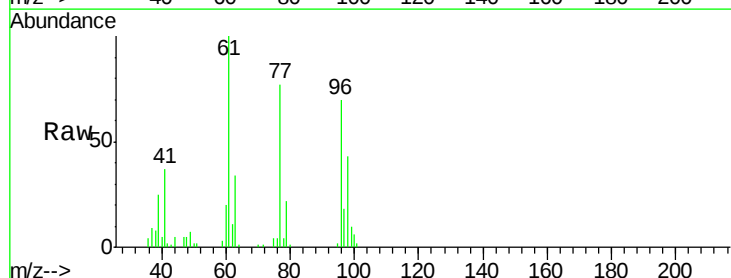
MMDadoda

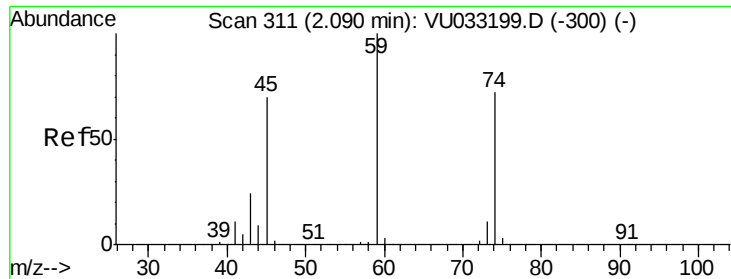
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#22
cis-1,2-Dichloroethene
Concen: 2.071 ug/l
RT: 4.20 min Scan# 966
Delta R.T. 0.00 min
Lab File: VU033206.D
Acq: 11 Jul 2019 23:41

Tgt Ion: 96 Resp: 19826
Ion Ratio Lower Upper
96 100
61 145.1 0.0 377.3
98 63.4 32.3 96.8



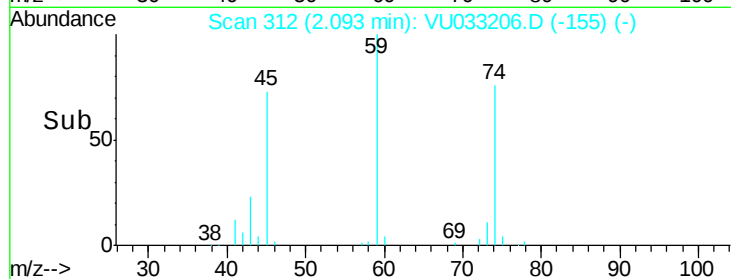
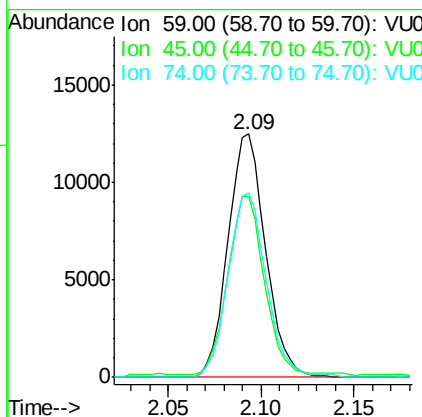
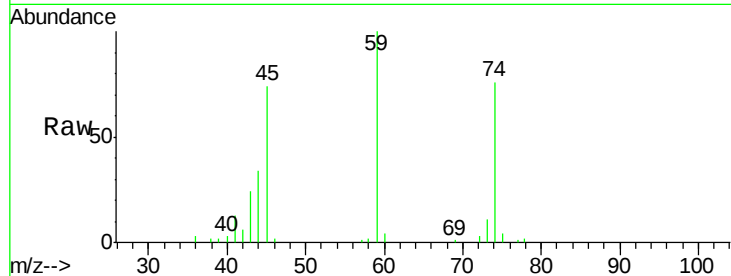


#23
Diethyl Ether
Concen: 1.996 ug/l
RT: 2.09 min Scan# 312
Delta R.T. 0.00 min
Lab File: VU033206.D
Acq: 11 Jul 2019 23:41

Instrument :
MSVOA_U
ClientSampleId :
VU0711WBSD01

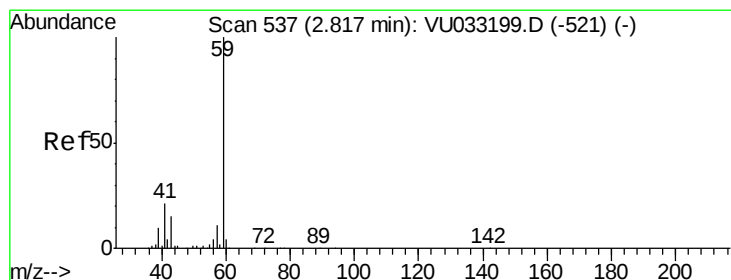
Tot Ion	Ratio	Lower	Upper
59	100		
45	71.9	55.7	83.5
74	77.4	58.1	87.1

Manual Integrations
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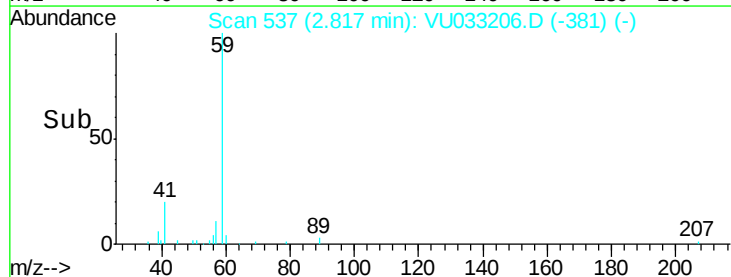
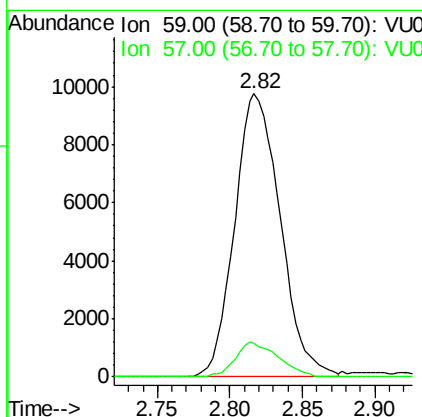
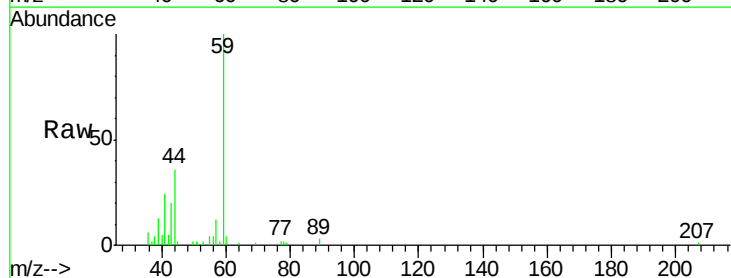
MMDadoda

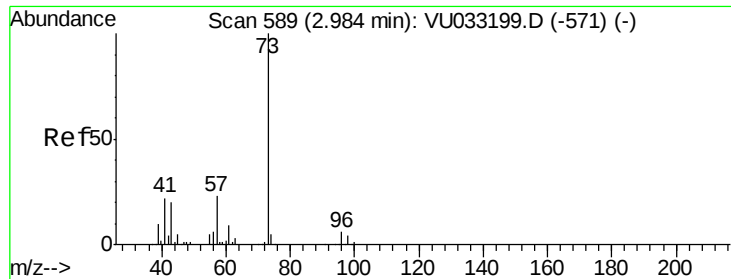
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#24
tert-Butyl Alcohol
Concen: 19.978 ug/l
RT: 2.82 min Scan# 537
Delta R.T. 0.00 min
Lab File: VU033206.D
Acq: 11 Jul 2019 23:41

Tgt Ion	Ratio	Lower	Upper
59	100		
57	11.4	8.5	12.7





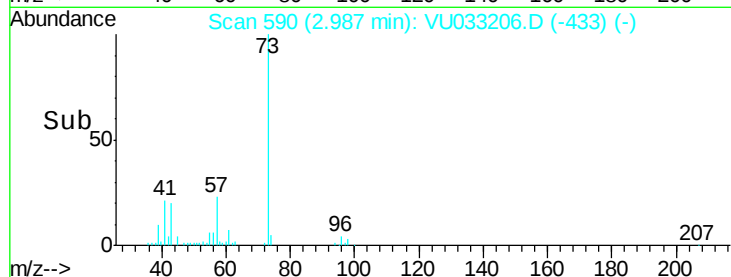
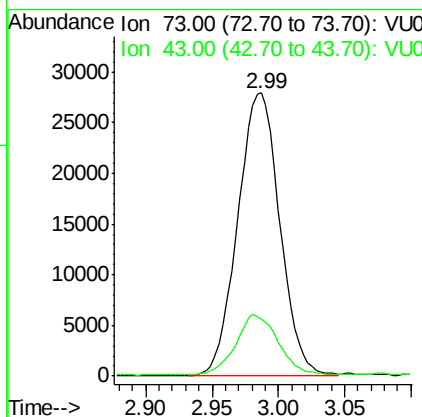
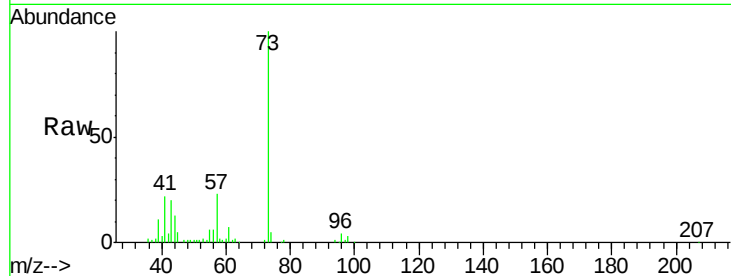
#25

Methvl tert-Butvl Ether
 Concen: 2.108 ug/l
 RT: 2.99 min Scan# 590
 Delta R.T. 0.00 min
 Lab File: VU033206.D
 Acq: 11 Jul 2019 23:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0711WBSD01

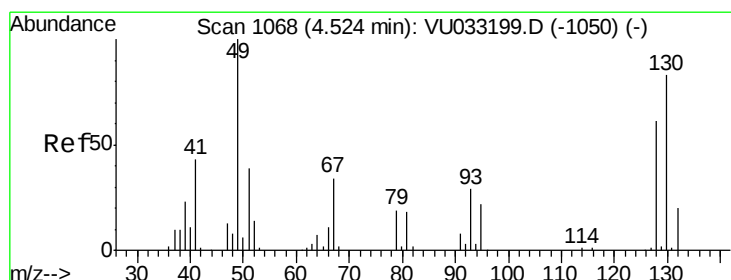
Tot Ion: 73 Resp: 61855
 Ion Ratio Lower Upper
 73 100
 43 21.0 16.1 24.1

Manual Integrations
 APPROVED



MMDadoda

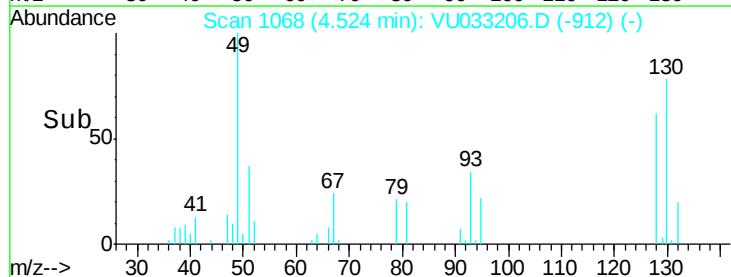
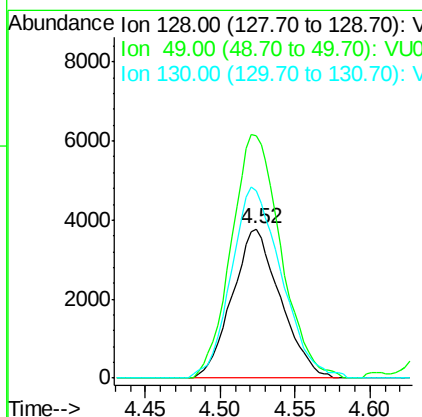
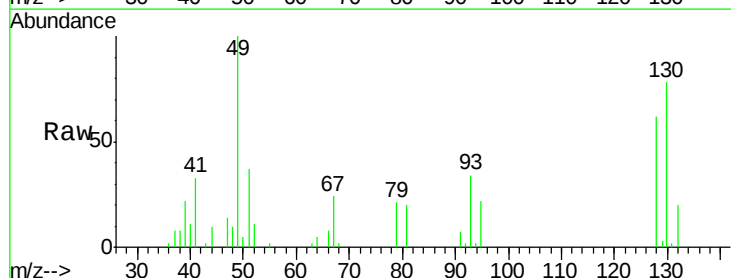
7/16/2019 4:02:36 PM

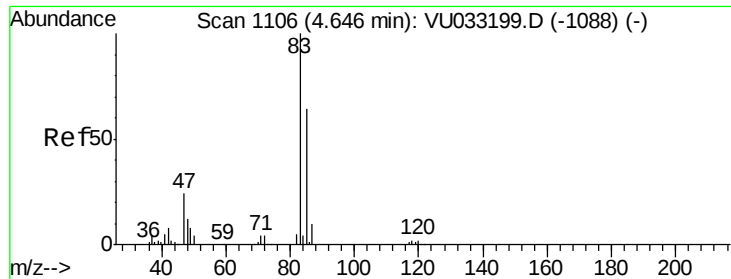


#26

Bromochloromethane
 Concen: 1.993 ug/l
 RT: 4.52 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: VU033206.D
 Acq: 11 Jul 2019 23:41

Tgt Ion: 128 Resp: 8454
 Ion Ratio Lower Upper
 128 100
 49 168.1 0.0 328.6
 130 133.3 104.1 156.1



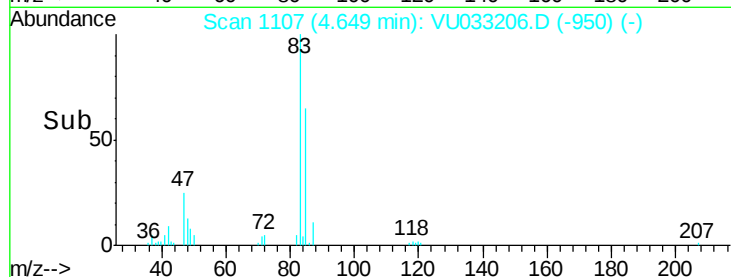
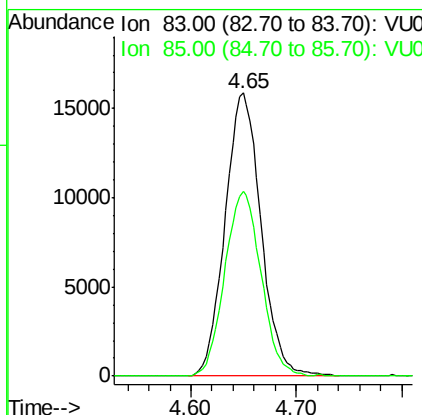
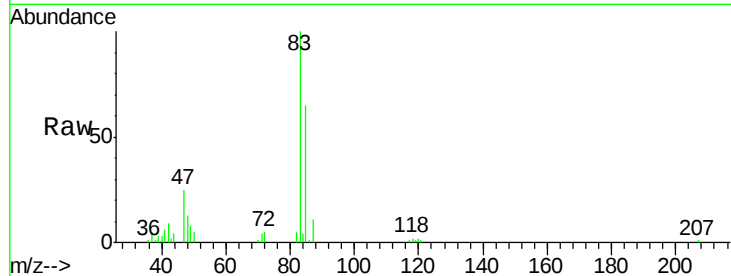


#27
Chloroform
Concen: 2.027 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU033206.D
Acq: 11 Jul 2019 23:41

Instrument :
MSVOA_U
ClientSampleId :
VU0711WBSD01

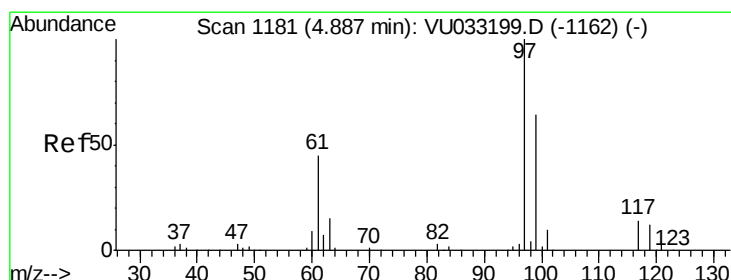
Tot Ion	83	Resp	37453
Ion Ratio	100	Lower	Upper
85	65.4	0.0	128.4

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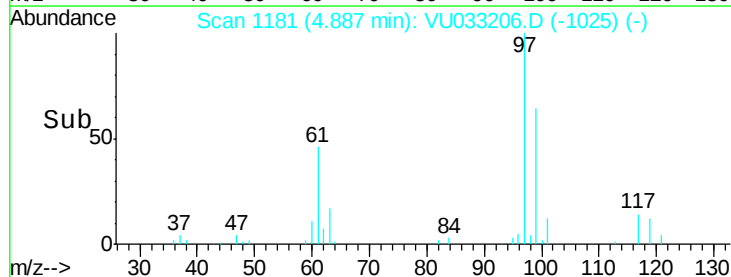
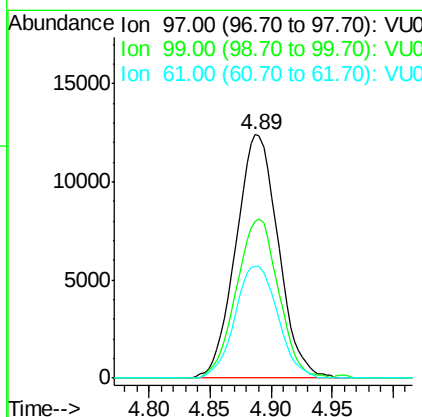
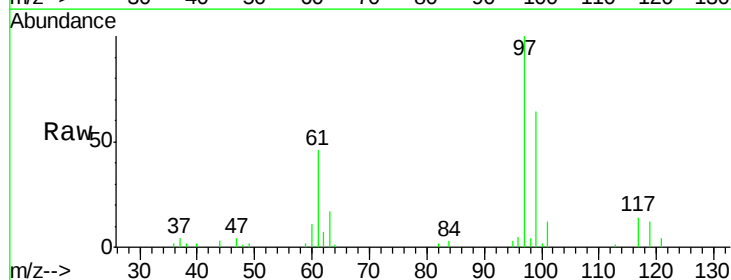
MMDadoda

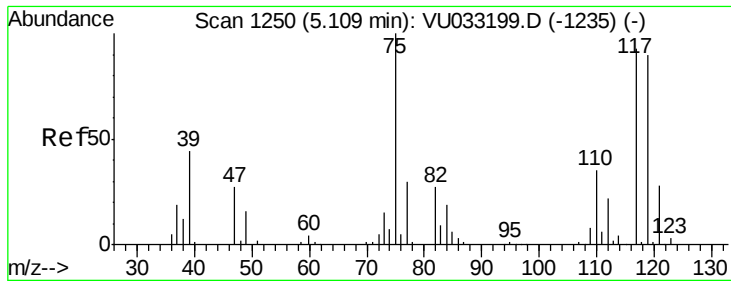
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#28
1,1,1-Trichloroethane
Concen: 2.040 ug/l
RT: 4.89 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VU033206.D
Acq: 11 Jul 2019 23:41

Tgt Ion	97	Resp	29843
Ion Ratio	100	Lower	Upper
99	65.0	31.9	95.5
61	46.4	22.6	67.7



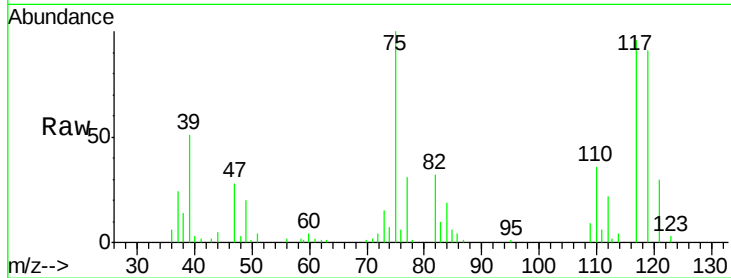


#29
1,1-Dichloropropene
Concen: 2.016 ug/l
RT: 5.11 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU033206.D
Acq: 11 Jul 2019 23:41

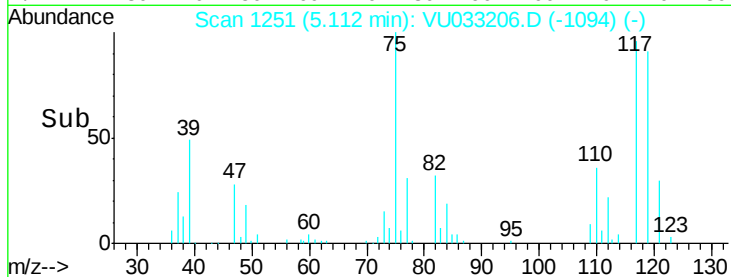
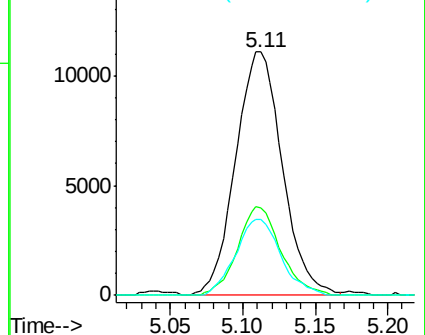
Instrument :
MSVOA_U
ClientSampleId :
VU0711WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
110	33.6	17.5	52.6
77	30.1	24.6	37.0

Manual Integrations
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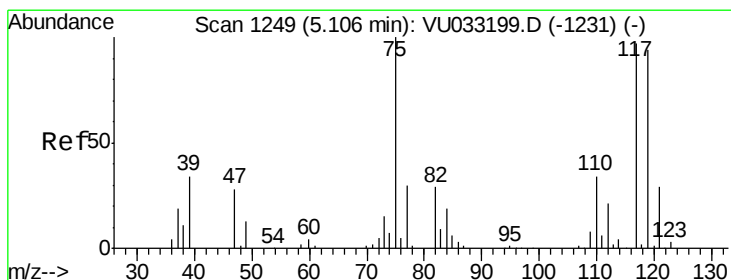


Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 110.00 (109.70 to 110.70): V
Ion 77.00 (76.70 to 77.70): VU0



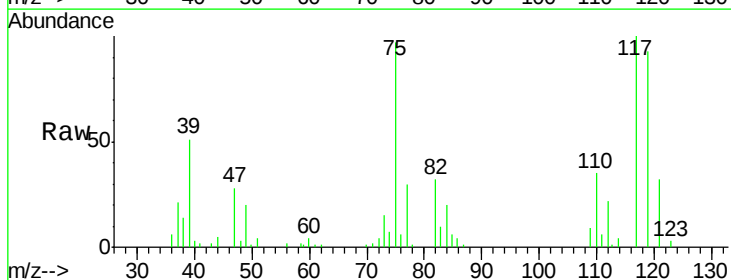
MMDadoda

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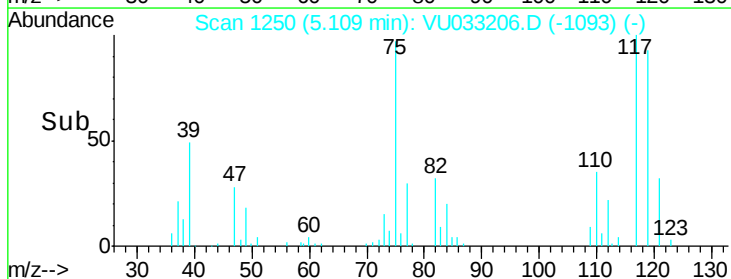
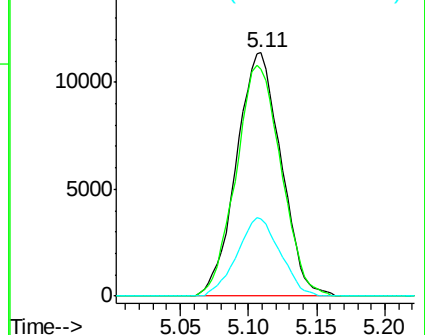


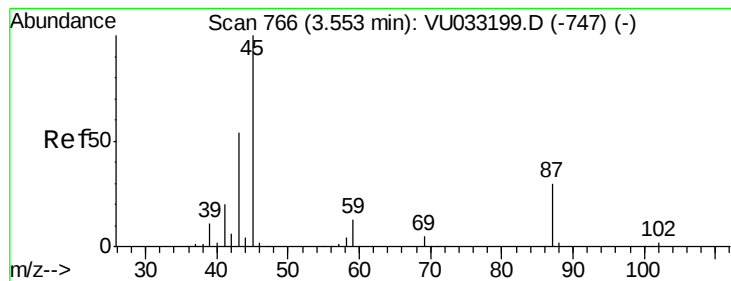
#30
Carbon Tetrachloride
Concen: 2.001 ug/l
RT: 5.11 min Scan# 1250
Delta R.T. 0.00 min
Lab File: VU033206.D
Acq: 11 Jul 2019 23:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.0	77.4	116.0
121	31.9	24.2	36.2



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V





#31

Isopropyl Ether

Concen: 2.025 ug/l

RT: 3.56 min Scan# 767

Delta R.T. 0.00 min

Lab File: VU033206.D

Acq: 11 Jul 2019 23:41

Instrument :

MSVOA_U

ClientSampleId :

VU0711WBSD01

Tot Ion: 45 Resp: 45504

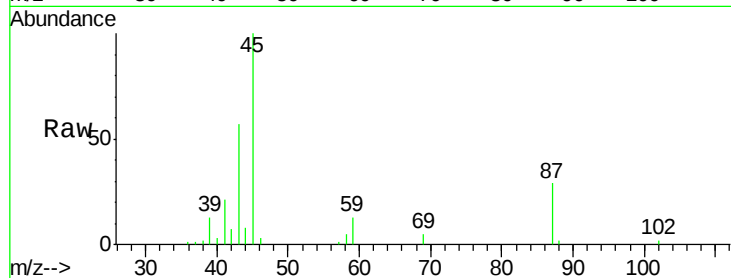
Ion Ratio Lower Upper

45 100

43 57.7 27.3 81.8

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Abundance Ion 45.00 (44.70 to 45.70): VU033199.D (-747) (-)

Ion 43.00 (42.70 to 43.70): VU033199.D (-747) (-)

20000

15000

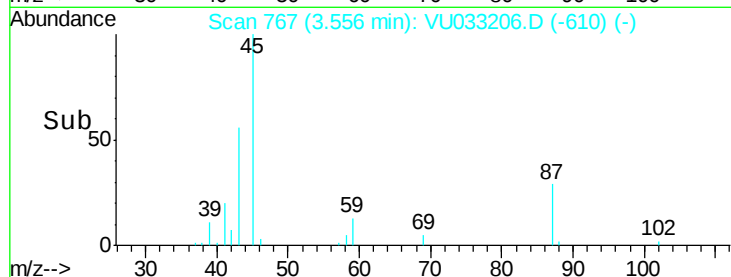
10000

5000

0

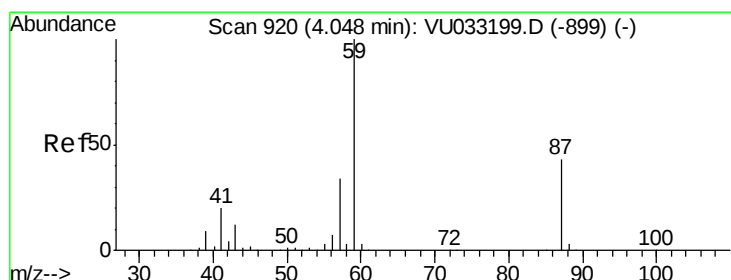
3.50 3.55 3.60

Time-->



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#32

Ethyl-t-butyl ether

Concen: 1.961 ug/l

RT: 4.05 min Scan# 920

Delta R.T. 0.00 min

Lab File: VU033206.D

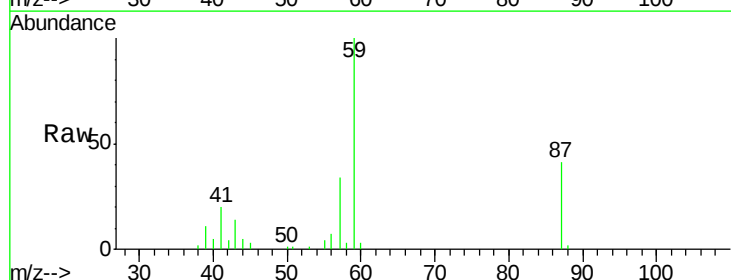
Acq: 11 Jul 2019 23:41

Tgt Ion: 59 Resp: 42965

Ion Ratio Lower Upper

59 100

87 42.2 34.5 51.7



Abundance Ion 59.00 (58.70 to 59.70): VU033199.D (-899) (-)

Ion 87.00 (86.70 to 87.70): VU033199.D (-899) (-)

15000

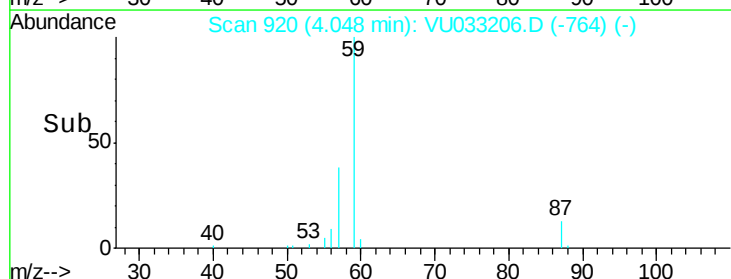
10000

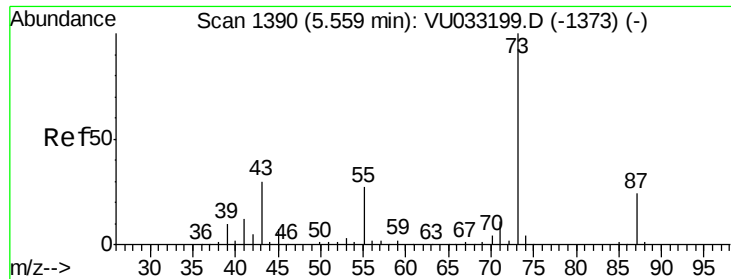
5000

0

3.95 4.00 4.05 4.10 4.15

Time-->



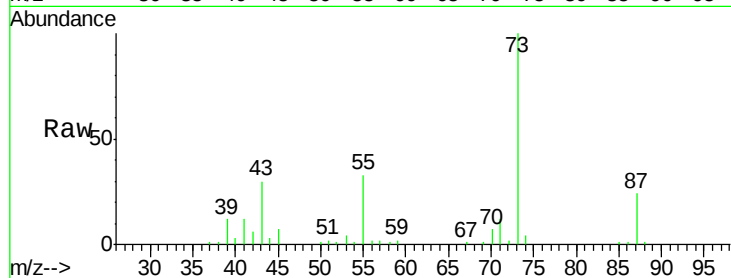


#33
Tert-Butyl methyl ether
Concen: 1.926 ug/l
RT: 5.56 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VU033206.D
Acq: 11 Jul 2019 23:41

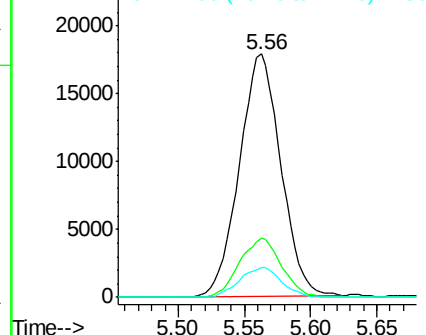
Instrument :
MSVOA_U
ClientSampleId :
VU0711WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
87	24.5	19.8	29.6
71	12.2	9.1	13.7

Manual Integrations
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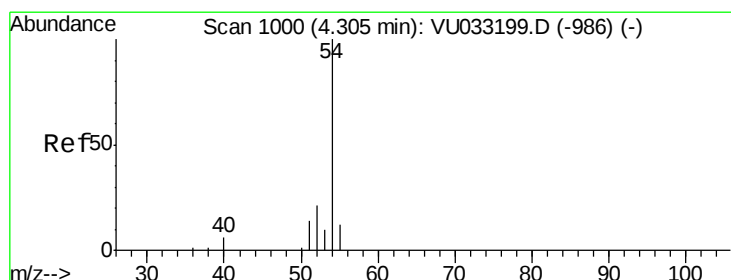
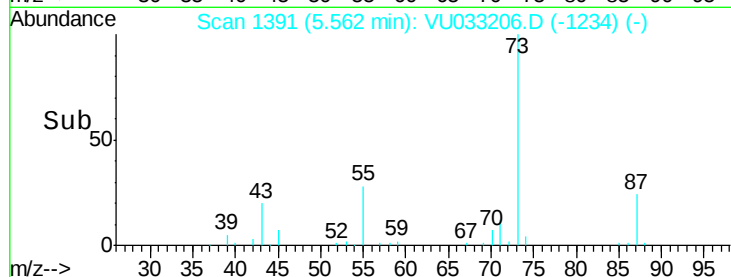


Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 87.00 (86.70 to 87.70): VU0
Ion 71.00 (70.70 to 71.70): VU0



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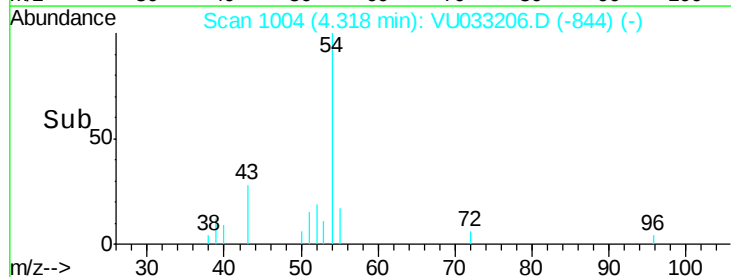
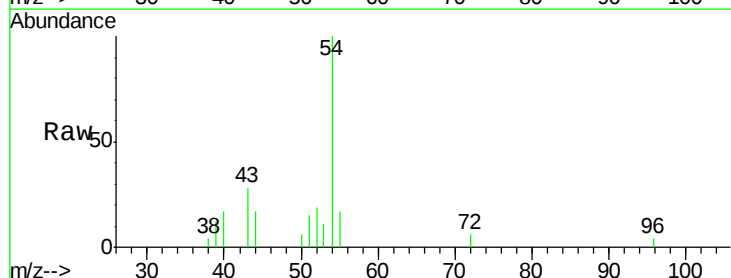
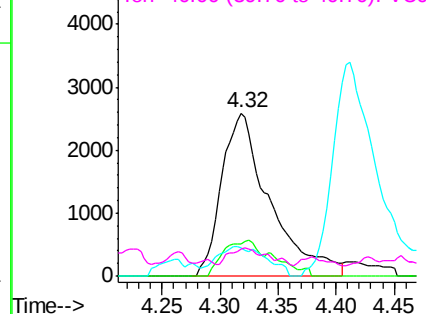
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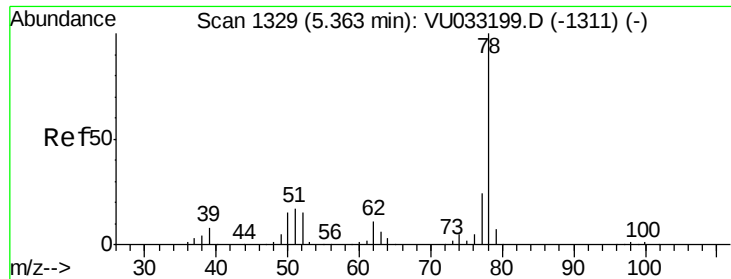


#34
Propionitrile
Concen: 10.568 ug/l
RT: 4.32 min Scan# 1004
Delta R.T. 0.01 min
Lab File: VU033206.D
Acq: 11 Jul 2019 23:41

Tgt Ion	Ratio	Lower	Upper
54	100		
52	15.9	16.7	25.1#
55	18.6	12.9	19.3
40	8.4	4.8	7.2#

Abundance Ion 54.00 (53.70 to 54.70): VU0
Ion 52.00 (51.70 to 52.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 40.00 (39.70 to 40.70): VU0





#35

Benzene

Concen: 2.048 ug/l

RT: 5.36 min Scan# 1329

Delta R.T. 0.00 min

Lab File: VU033206.D

Acq: 11 Jul 2019 23:41

Instrument :

MSVOA_U

ClientSampleId :

VU0711WBSD01

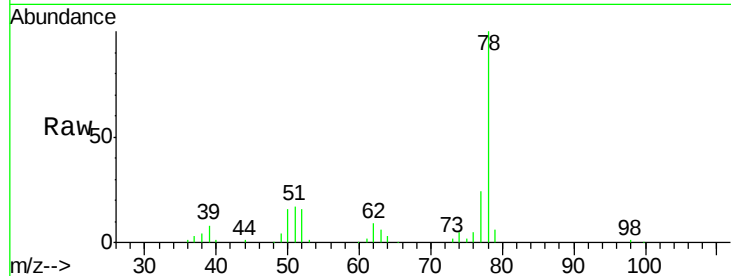
Tot Ion: 78 Resp: 73689

Ion Ratio Lower Upper

78 100

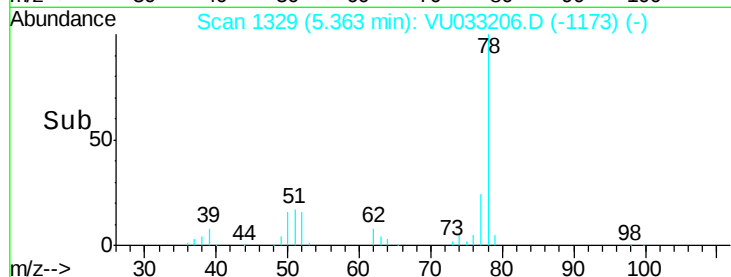
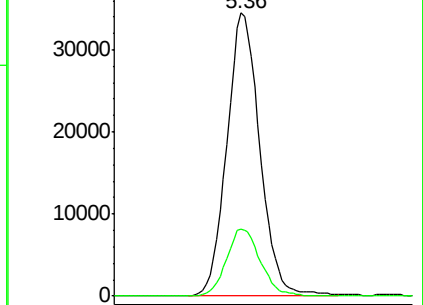
77 23.7 19.3 28.9

Manual Integrations
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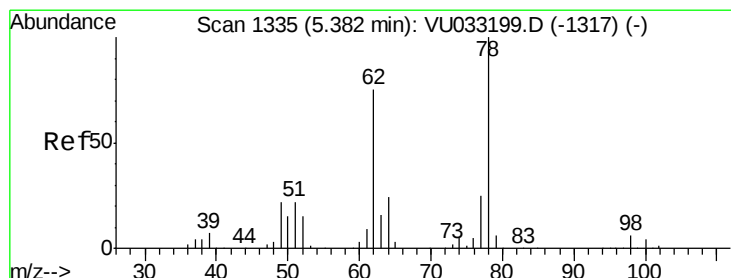
Abundance Ion 78.10 (77.80 to 78.80): VU033199.D (-1311) (-)

Ion 77.00 (76.70 to 77.70): VU033199.D (-1311) (-)



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#36

1,2-Dichloroethane

Concen: 2.075 ug/l

RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU033206.D

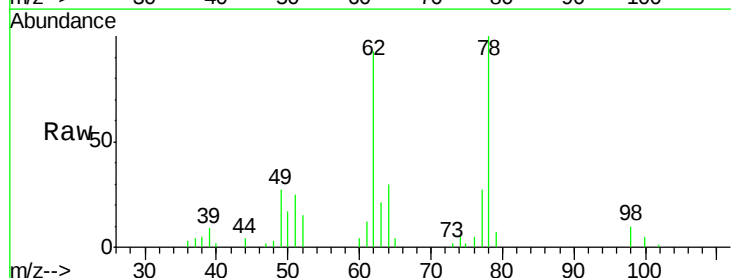
Acq: 11 Jul 2019 23:41

Tgt Ion: 62 Resp: 24164

Ion Ratio Lower Upper

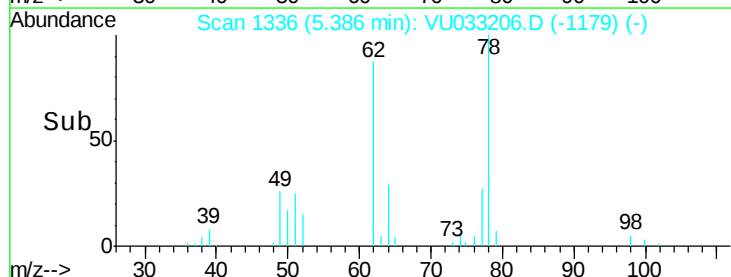
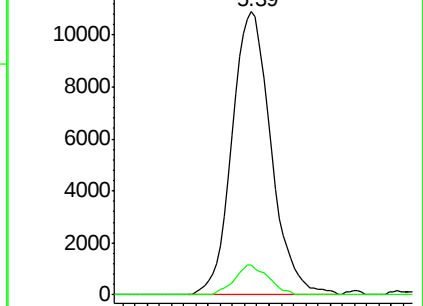
62 100

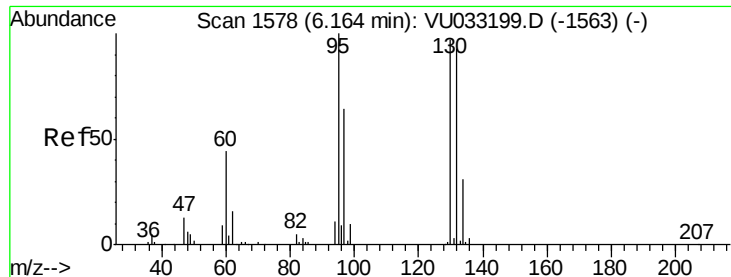
98 9.1 6.7 10.1



Abundance Ion 62.00 (61.70 to 62.70): VU033199.D (-1317) (-)

Ion 98.00 (97.70 to 98.70): VU033199.D (-1317) (-)



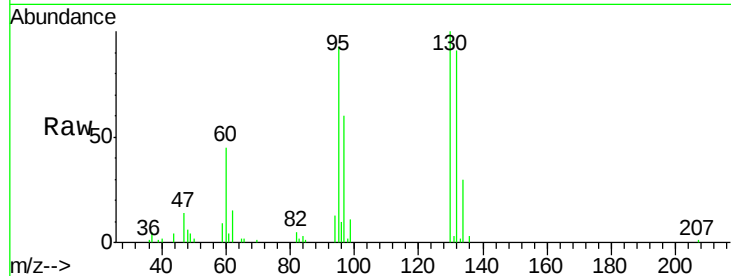


#37
 Trichloroethene
 Concen: 2.056 ug/l
 RT: 6.16 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VU033206.D
 Acq: 11 Jul 2019 23:41

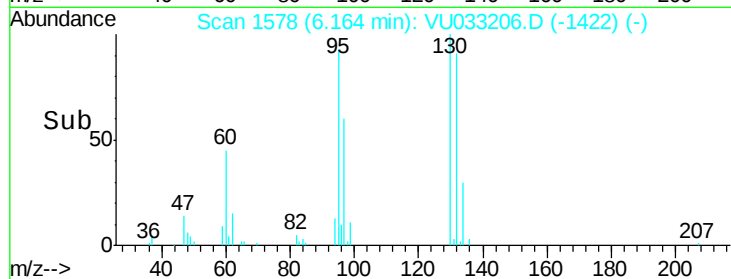
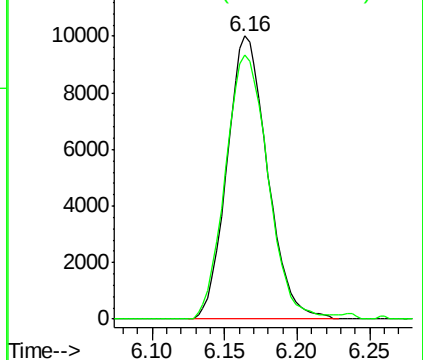
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0711WBSD01

Tot Ion:130 Resp: 19333
 Ion Ratio Lower Upper
 130 100
 95 93.1 82.4 123.6

Manual Integrations
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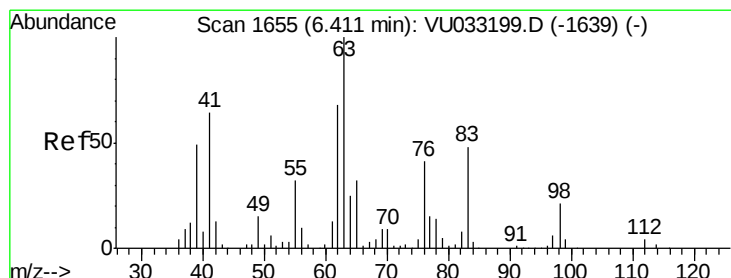


Abundance Ion 129.90 (129.60 to 130.60): VU033199.D (-1563) (-)
 Ion 94.90 (94.60 to 95.60): VU033199.D (-1563) (-)



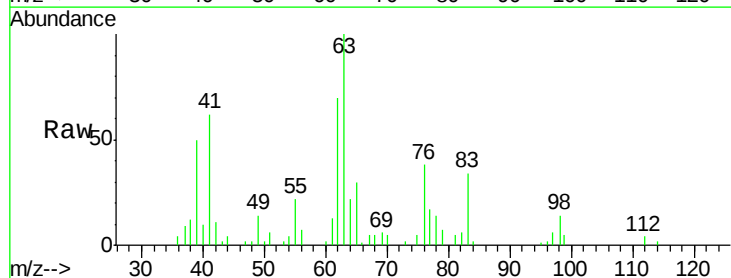
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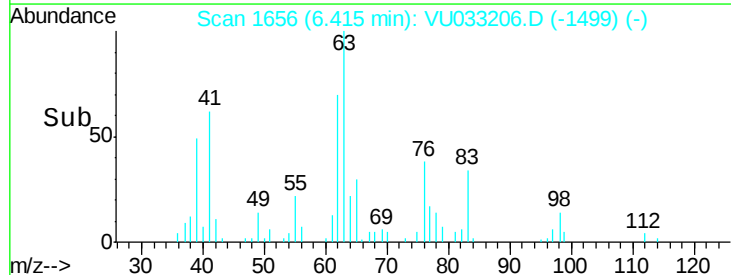
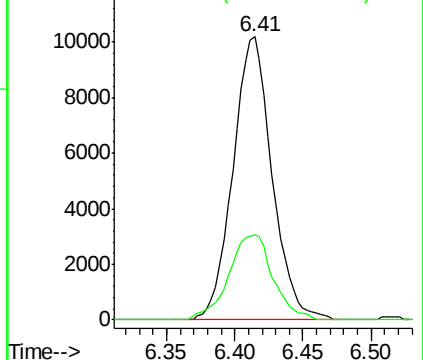


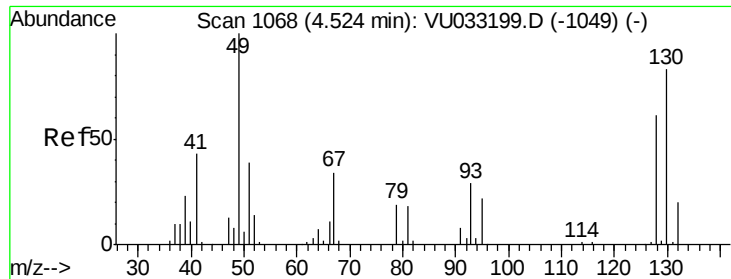
#38
 1,2-Dichloropropane
 Concen: 2.082 ug/l
 RT: 6.41 min Scan# 1656
 Delta R.T. 0.00 min
 Lab File: VU033206.D
 Acq: 11 Jul 2019 23:41

Tgt Ion: 63 Resp: 20256
 Ion Ratio Lower Upper
 63 100
 65 30.0 25.3 37.9



Abundance Ion 63.00 (62.70 to 63.70): VU033199.D (-1639) (-)
 Ion 65.00 (64.70 to 65.70): VU033199.D (-1639) (-)



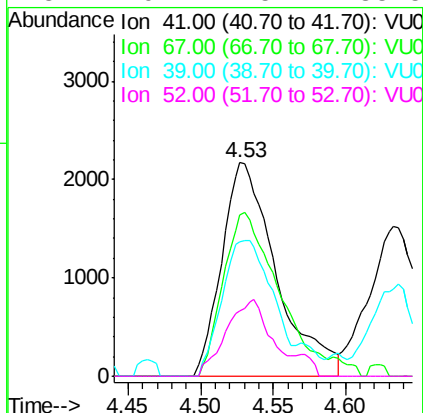
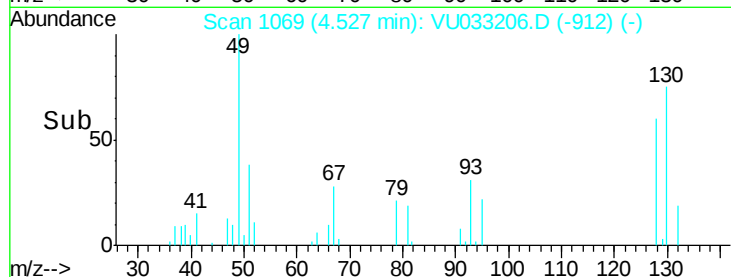
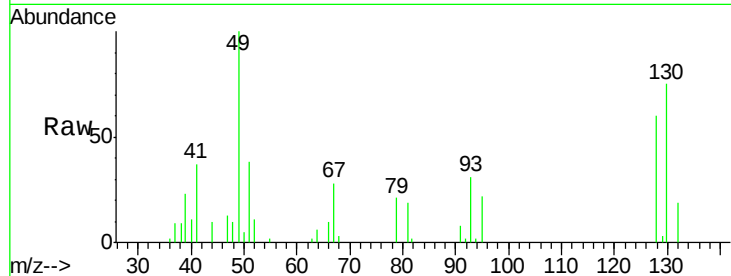


#39
Methacrylonitrile
Concen: 1.932 ug/l
RT: 4.53 min Scan# 1069
Delta R.T. 0.00 min
Lab File: VU033206.D
Acq: 11 Jul 2019 23:41

Instrument :
MSVOA_U
ClientSampleId :
VU0711WBSD01

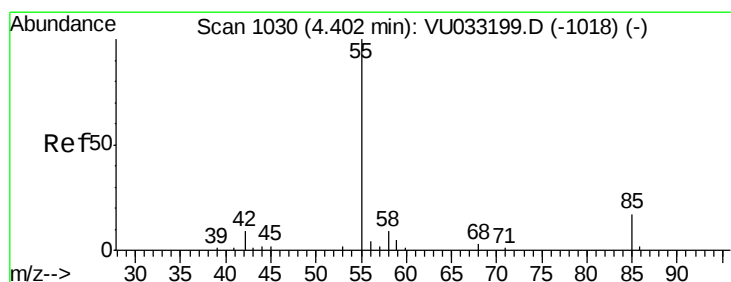
Tot Ion	41	Resp:	5666
Ion	Ratio	Lower	Upper
41	100		
67	80.2	61.0	91.4
39	59.5	44.4	66.6
52	29.2	25.7	38.5

Manual Integrations
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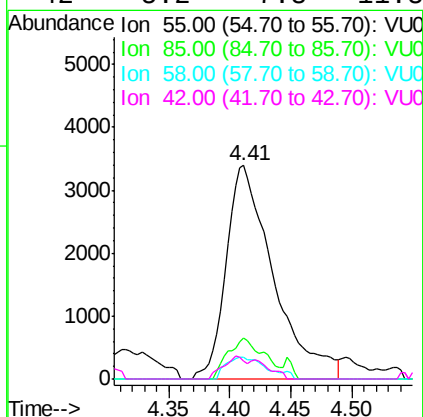
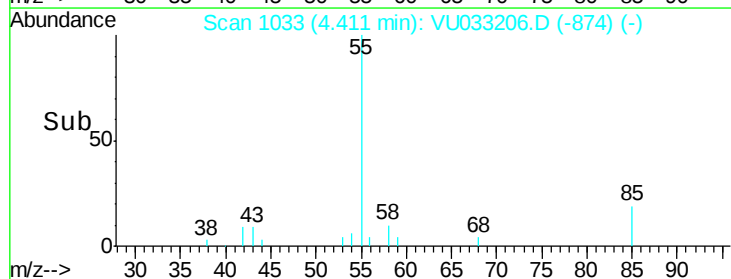
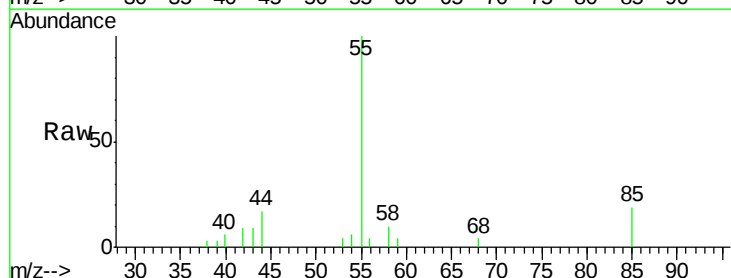
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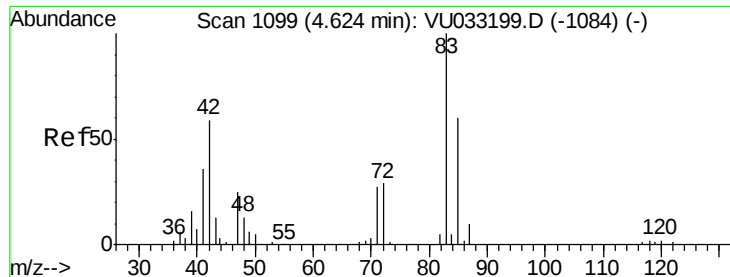
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#40
Methyl acrylate
Concen: 2.107 ug/l
RT: 4.41 min Scan# 1033
Delta R.T. 0.01 min
Lab File: VU033206.D
Acq: 11 Jul 2019 23:41

Tgt Ion	55	Resp:	9151
Ion	Ratio	Lower	Upper
55	100		
85	14.5	13.0	19.6
58	8.8	7.0	10.4
42	5.2	7.8	11.8#



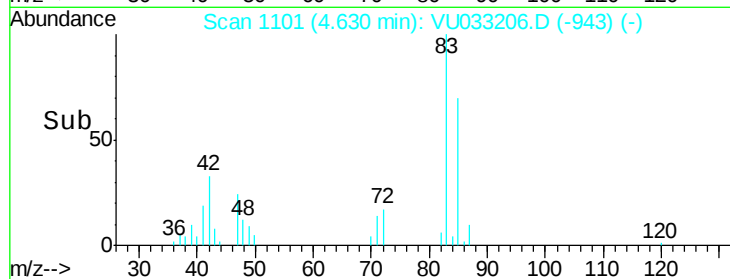
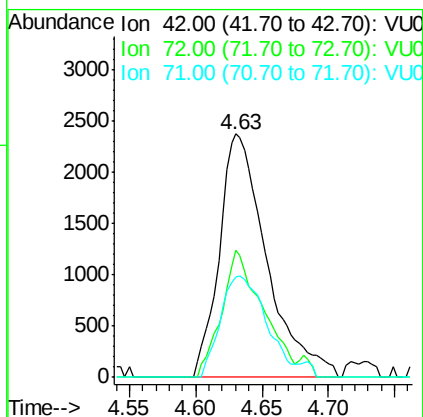
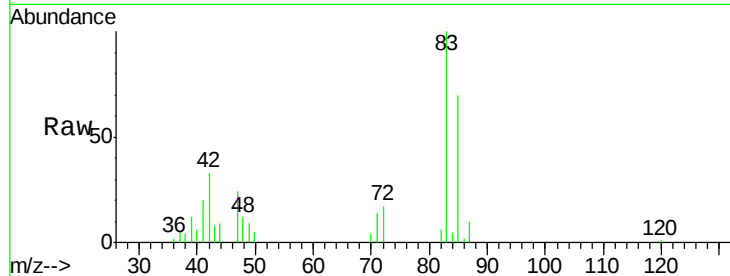


#41
Tetrahydrofuran
Concen: 3.839 ug/l
RT: 4.63 min Scan# 1101
Delta R.T. 0.01 min
Lab File: VU033206.D
Acq: 11 Jul 2019 23:41

Instrument :
MSVOA_U
ClientSampleId :
VU0711WBSD01

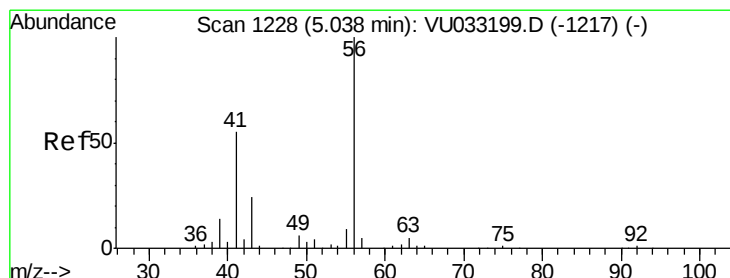
Tot Ion	Ratio	Lower	Upper
42	100		
72	45.3	40.7	61.1
71	40.7	35.4	53.0

Manual Integrations
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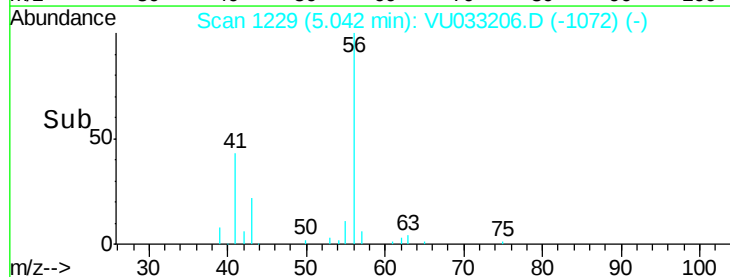
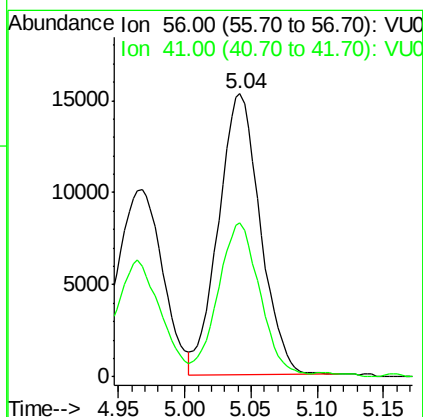
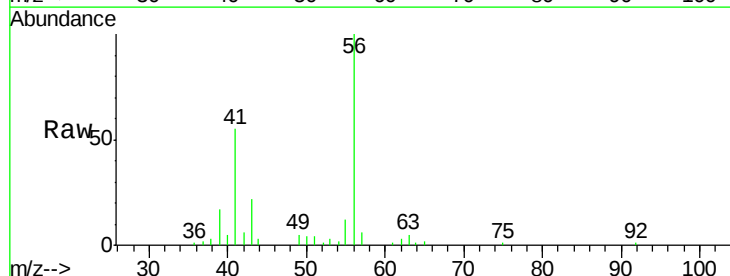
MMDadoda

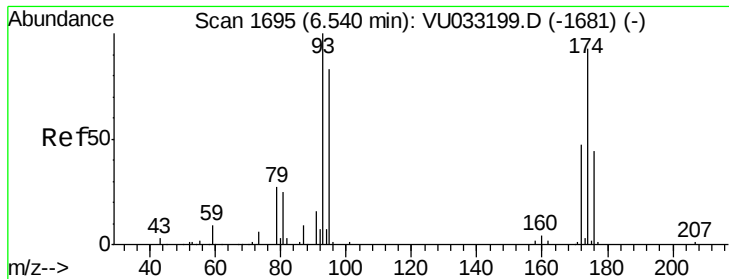
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#42
1-Chlorobutane
Concen: 2.002 ug/l
RT: 5.04 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VU033206.D
Acq: 11 Jul 2019 23:41

Tgt Ion	Ratio	Lower	Upper
56	100		
41	55.2	26.5	79.4



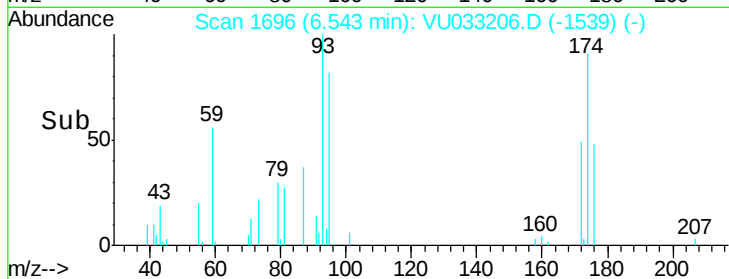
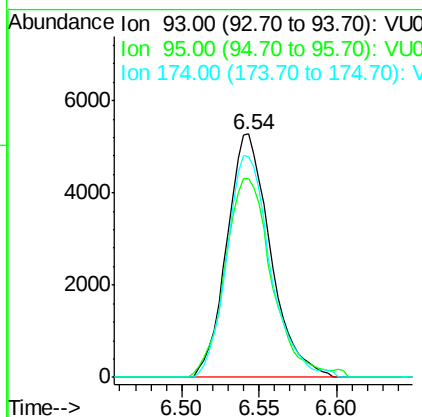
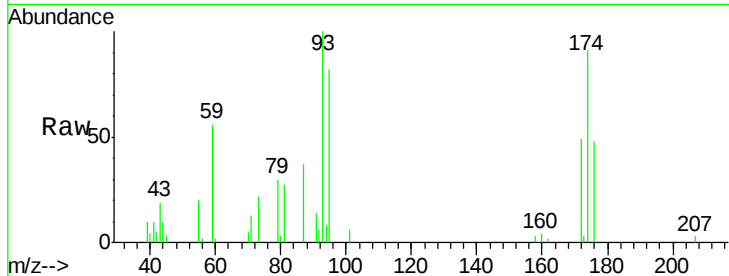


#43
Dibromomethane
Concen: 1.988 ug/l
RT: 6.54 min Scan# 1696
Delta R.T. 0.00 min
Lab File: VU033206.D
Acq: 11 Jul 2019 23:41

Instrument :
MSVOA_U
ClientSampleId :
VU0711WBSD01

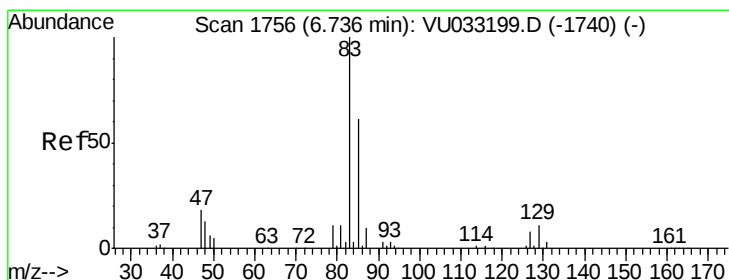
Tot Ion	Ratio	Lower	Upper
93	100		
95	87.8	67.5	101.3
174	91.3	74.2	111.2

Manual Integrations
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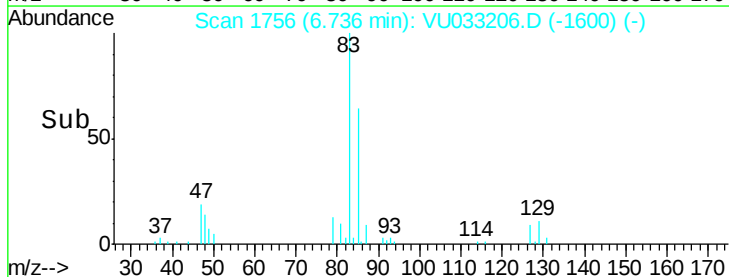
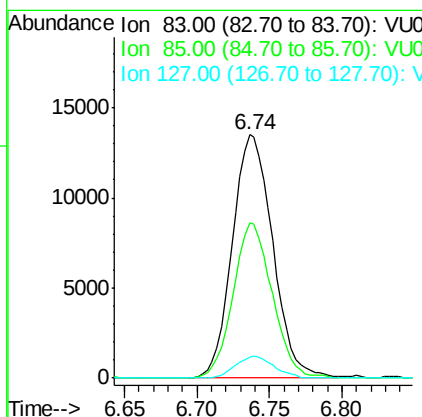
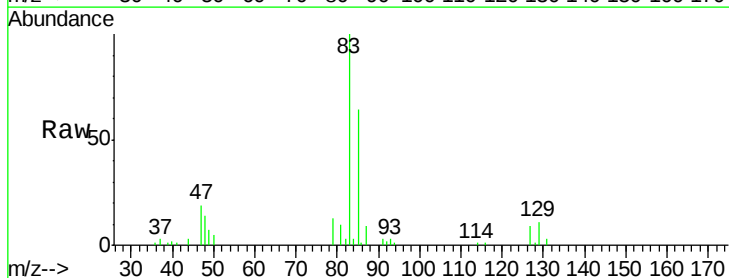
MMDadoda

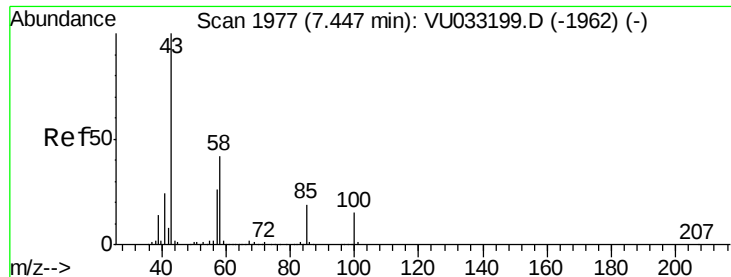
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#44
Bromodichloromethane
Concen: 2.040 ug/l
RT: 6.74 min Scan# 1756
Delta R.T. 0.00 min
Lab File: VU033206.D
Acq: 11 Jul 2019 23:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	49.1	73.7
127	8.8	6.6	9.8



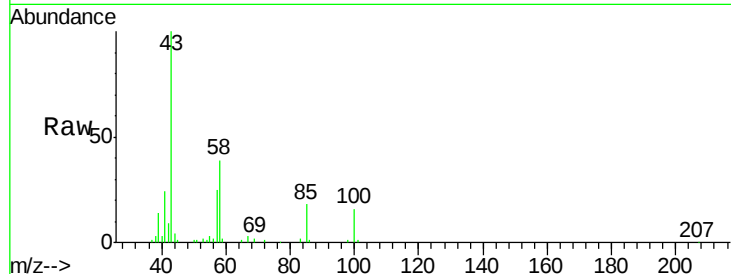


#45
4-Methyl-2-Pentanone
Concen: 10.085 ug/l
RT: 7.45 min Scan# 1977
Delta R.T. 0.00 min
Lab File: VU033206.D
Acq: 11 Jul 2019 23:41

Instrument :
MSVOA_U
ClientSampleId :
VU0711WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
43	100	59093		
58	37.9		20.4	61.2
85	16.8		14.7	22.1

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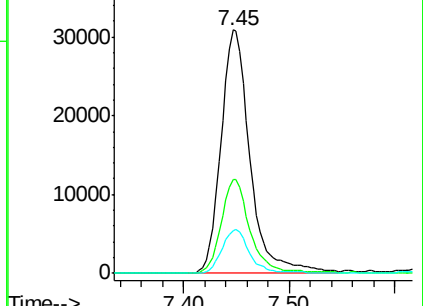


Abundance

Ion 43.00 (42.70 to 43.70): VU033199.D (-1962) (-)

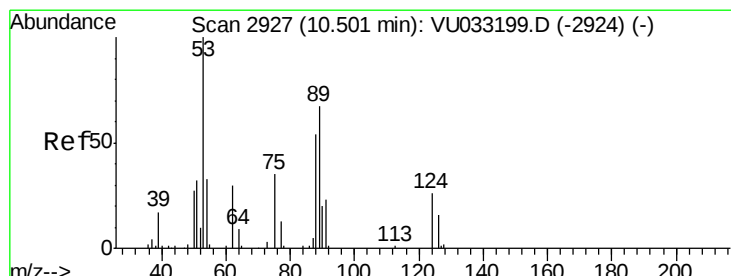
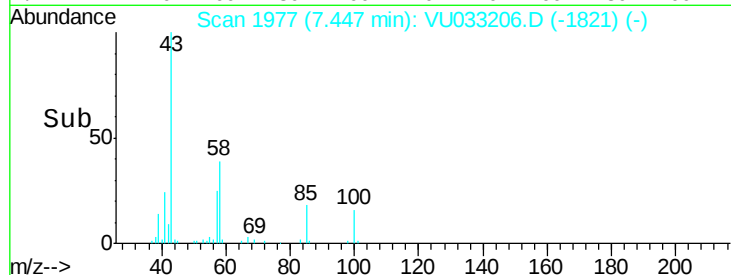
Ion 58.00 (57.70 to 58.70): VU033199.D (-1962) (-)

Ion 85.00 (84.70 to 85.70): VU033199.D (-1962) (-)



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#46
t-1,4-Dichloro-2-butene
Concen: 3.929 ug/l m
RT: 10.49 min Scan# 2924
Delta R.T. -0.01 min
Lab File: VU033206.D
Acq: 11 Jul 2019 23:41

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	9802		
53	81.7		63.8	95.6
89	51.5		44.0	66.0
88	41.0		34.0	51.0

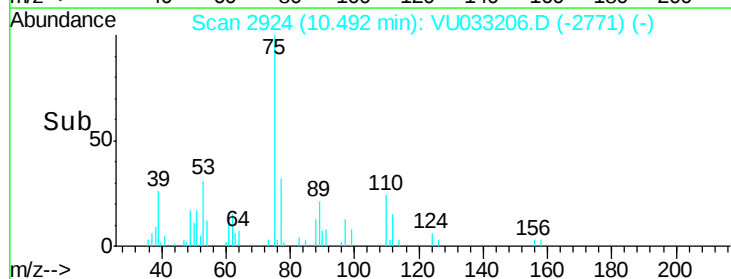
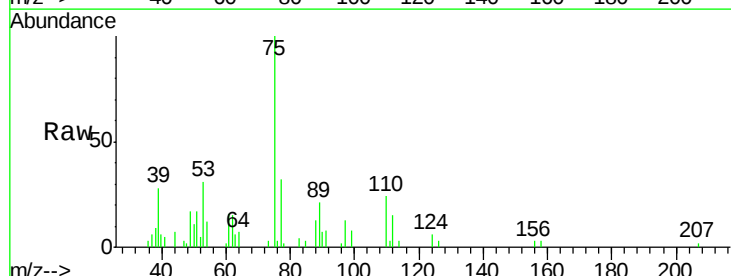
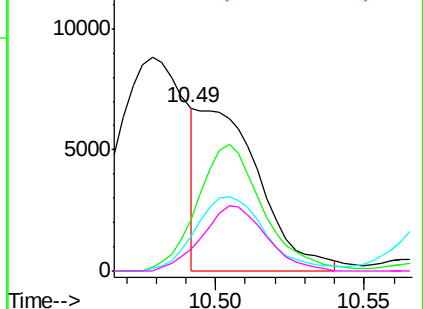
Abundance

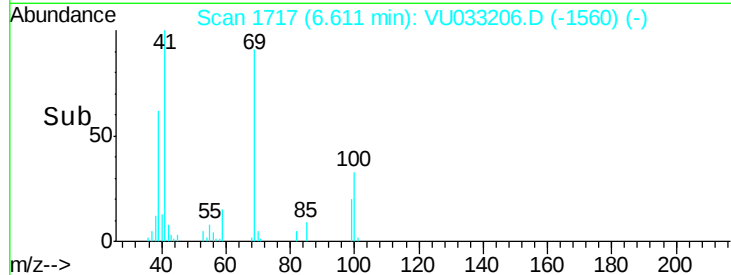
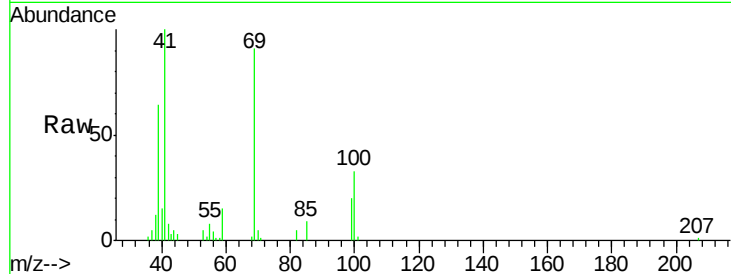
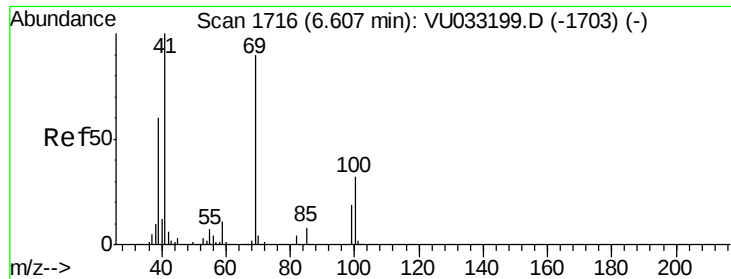
Ion 74.90 (74.60 to 75.60): VU033199.D (-2924) (-)

Ion 53.00 (52.70 to 53.70): VU033199.D (-2924) (-)

Ion 88.80 (88.50 to 89.50): VU033199.D (-2924) (-)

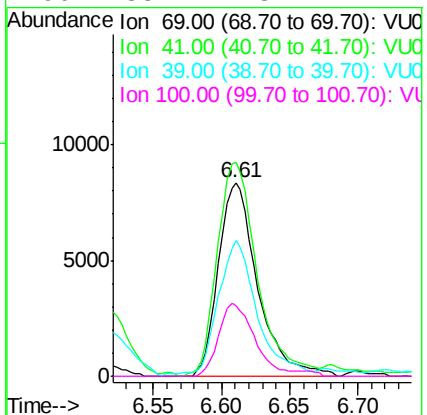
Ion 87.80 (87.50 to 88.50): VU033199.D (-2924) (-)





#47
Methyl methacrylate
Concen: 3.961 ug/l
RT: 6.61 min Scan# 1717
Delta R.T. 0.00 min
Lab File: VU033206.D
Acq: 11 Jul 2019 23:41

Tot Ion	Ion	Ratio	Resp	Lower	Upper
69	100		16672		
41	113.2	0.0	217.0		
39	70.7	52.1	78.1		
100	35.7	28.2	42.4		

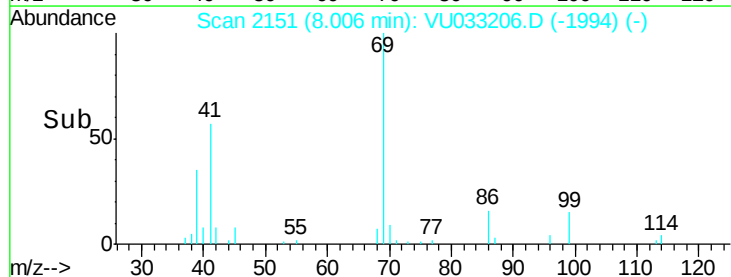
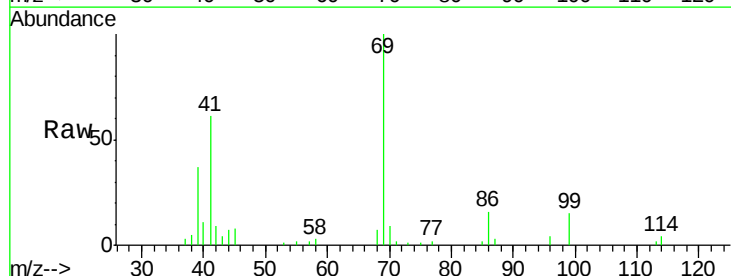
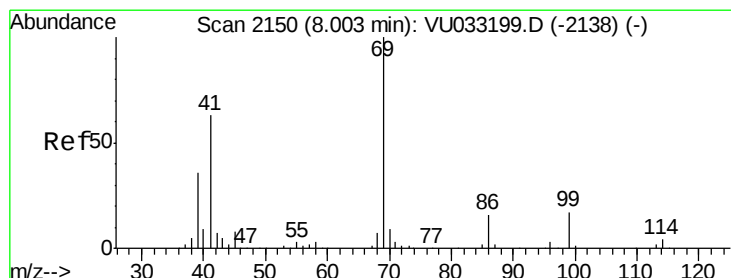


Instrument : MSVOA_U
ClientSampleId : VU0711WBSD01

Manual Integrations
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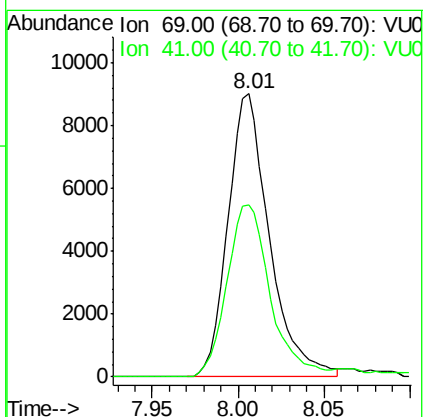
MMDadoda

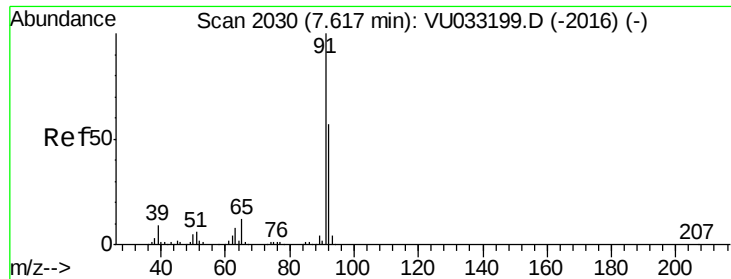
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#48
Ethyl methacrylate
Concen: 1.904 ug/l
RT: 8.01 min Scan# 2151
Delta R.T. 0.00 min
Lab File: VU033206.D
Acq: 11 Jul 2019 23:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		15065		
41	63.9	31.3	93.8		





#49

Toluene

Concen: 1.974 ug/l

RT: 7.62 min Scan# 2031

Delta R.T. 0.00 min

Lab File: VU033206.D

Acq: 11 Jul 2019 23:41

Instrument :

MSVOA_U

ClientSampleId :

VU0711WBSD01

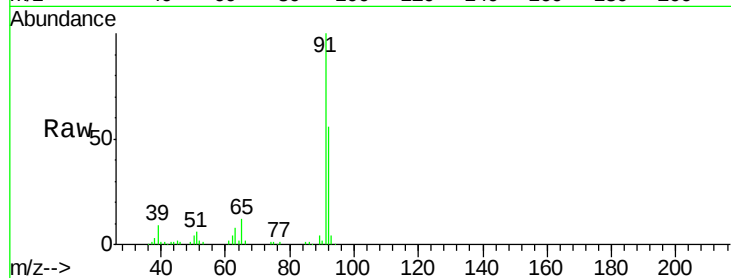
Tot Ion: 92 Resp: 41889

Ion Ratio Lower Upper

92 100

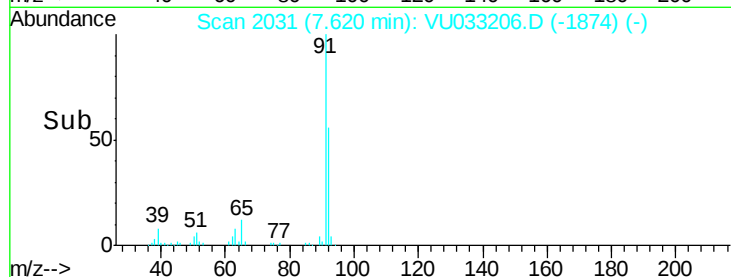
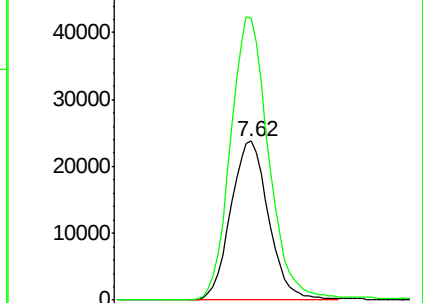
91 179.3 141.2 211.8

Manual Integrations
APPROVED



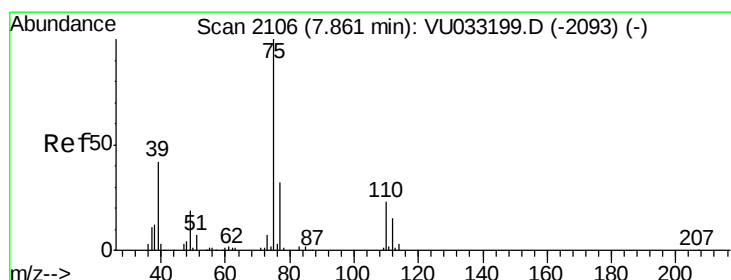
Abundance Ion 92.00 (91.70 to 92.70): VU033199.D (-2016) (-)

Ion 91.00 (90.70 to 91.70): VU033199.D (-2016) (-)



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#50

t-1,3-Dichloropropene

Concen: 1.955 ug/l

RT: 7.86 min Scan# 2107

Delta R.T. 0.00 min

Lab File: VU033206.D

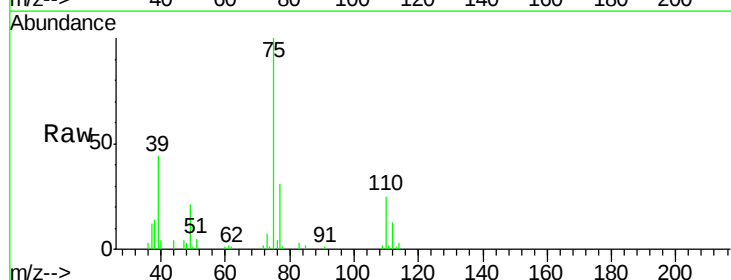
Acq: 11 Jul 2019 23:41

Tgt Ion: 75 Resp: 22240

Ion Ratio Lower Upper

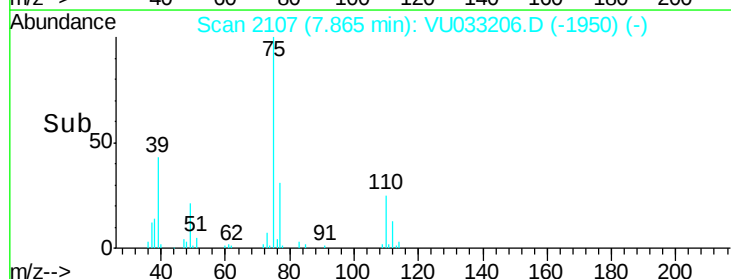
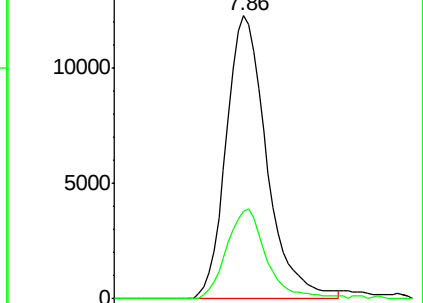
75 100

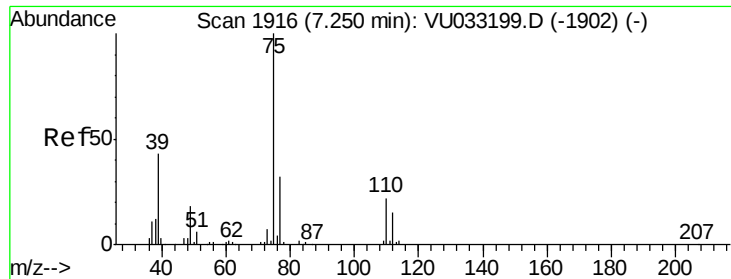
77 30.8 25.2 37.8



Abundance Ion 75.00 (74.70 to 75.70): VU033199.D (-2093) (-)

Ion 77.00 (76.70 to 77.70): VU033199.D (-2093) (-)



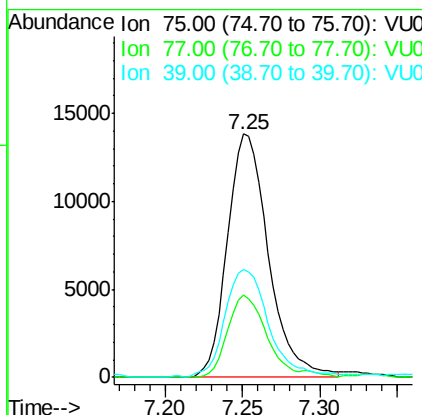
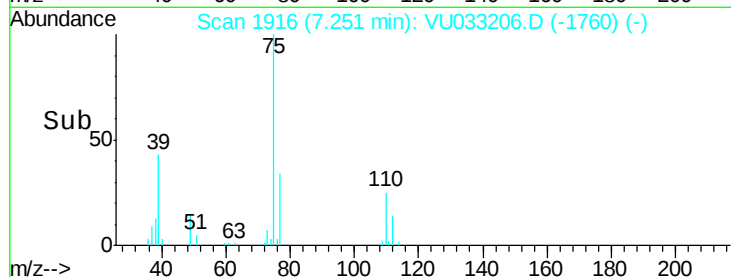
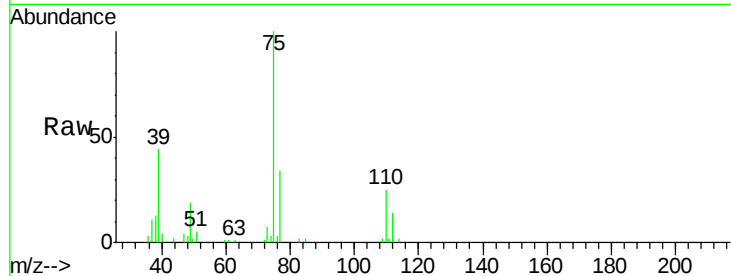


#51
 cis-1,3-Dichloropropene
 Concen: 1.942 ug/l
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VU033206.D
 Acq: 11 Jul 2019 23:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0711WBSD01

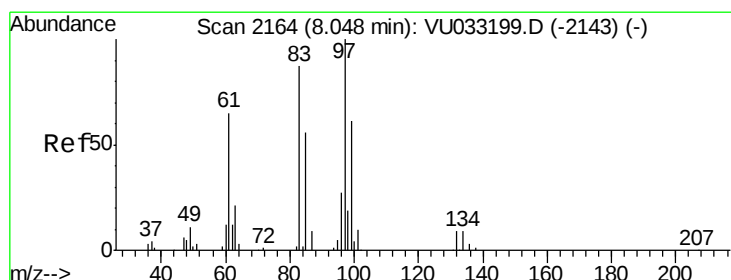
Tot Ion	Ratio	Lower	Upper
75	100		
77	33.8	25.4	38.0
39	44.2	34.5	51.7

Manual Integrations
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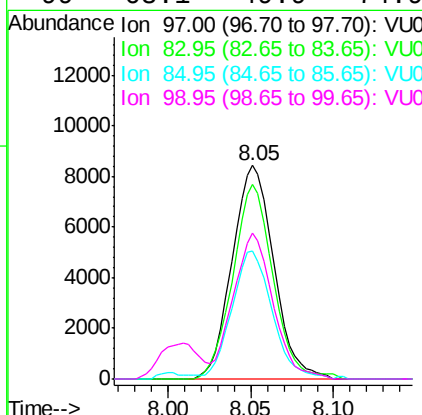
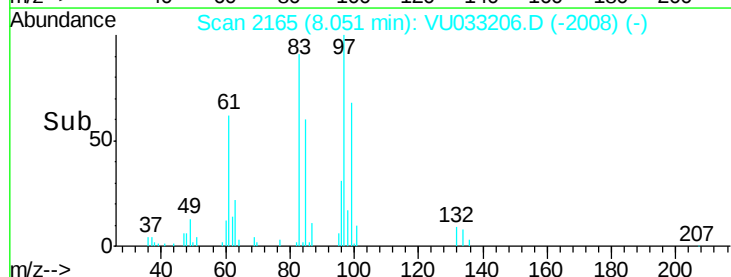
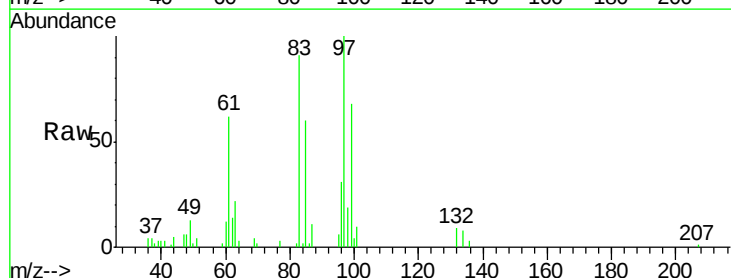
MMDadoda

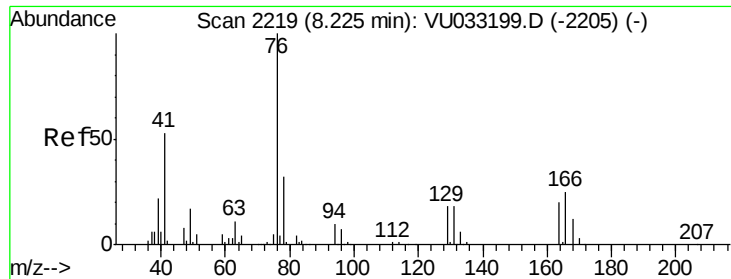
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#52
 1,1,2-Trichloroethane
 Concen: 2.041 ug/l
 RT: 8.05 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VU033206.D
 Acq: 11 Jul 2019 23:41

Tgt Ion	Ratio	Lower	Upper
97	100		
83	91.3	69.9	104.9
85	58.8	45.2	67.8
99	68.1	49.9	74.9



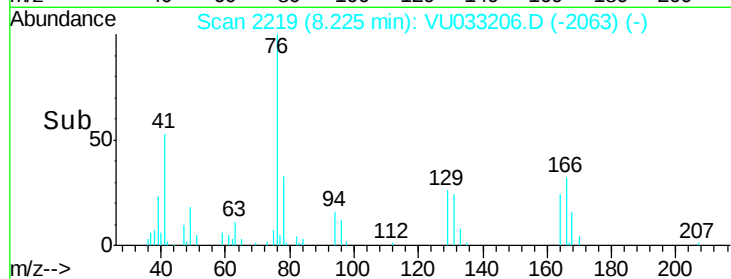
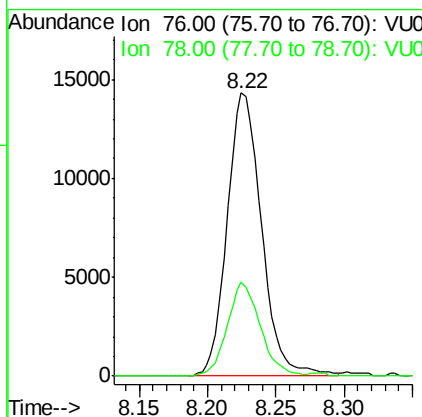
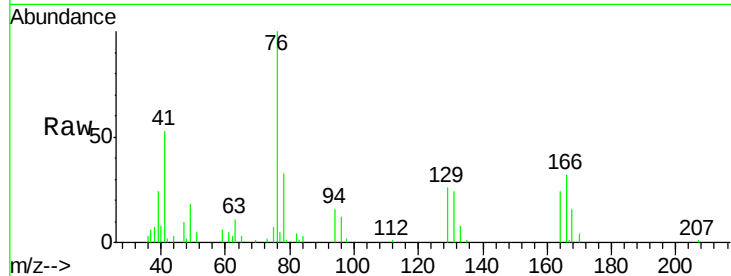


#53
 1,3-Dichloropropane
 Concen: 2.056 ug/l
 RT: 8.22 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VU033206.D
 Acq: 11 Jul 2019 23:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0711WBSD01

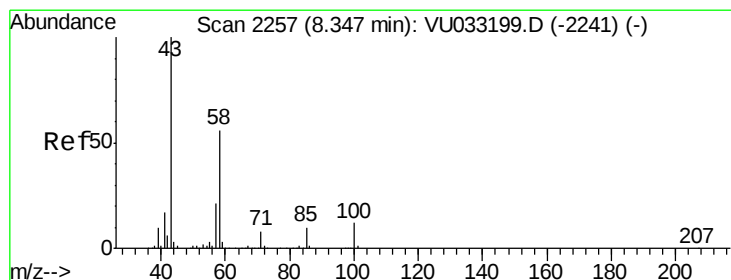
Tot Ion: 76 Resp: 25170
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.9 38.9

Manual Integrations
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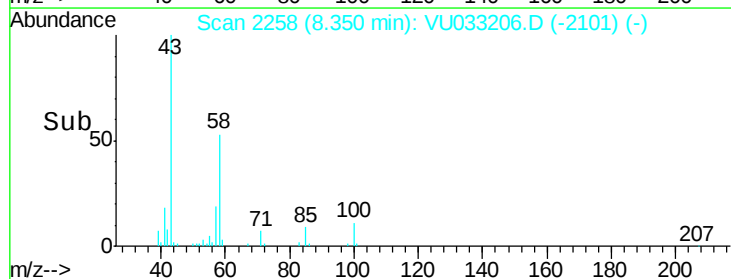
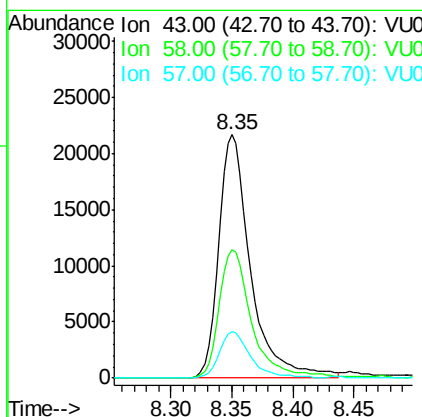
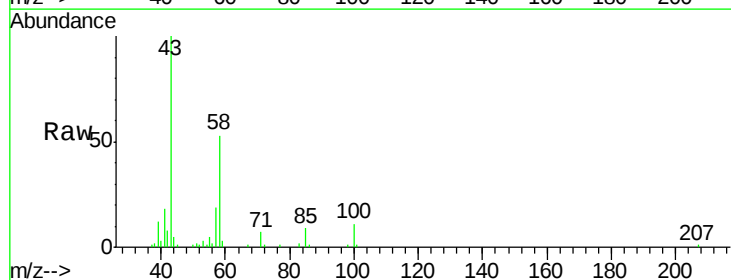
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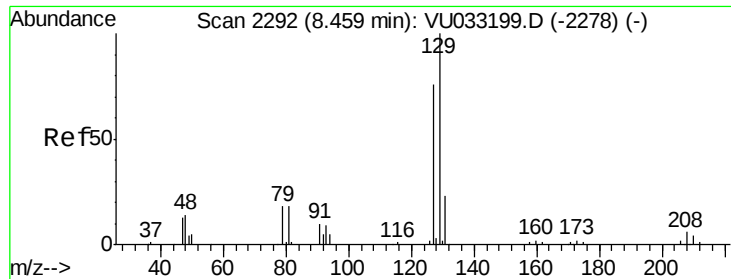
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#54
 2-Hexanone
 Concen: 9.735 ug/l
 RT: 8.35 min Scan# 2258
 Delta R.T. 0.00 min
 Lab File: VU033206.D
 Acq: 11 Jul 2019 23:41

Tgt Ion: 43 Resp: 39867
 Ion Ratio Lower Upper
 43 100
 58 54.1 35.8 75.8
 57 18.6 0.2 40.2



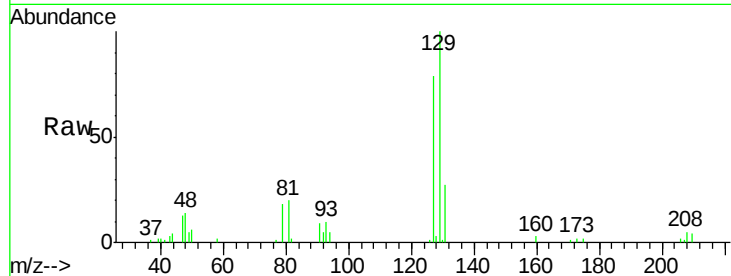


#55
 Dibromochloromethane
 Concen: 2.016 ug/l
 RT: 8.46 min Scan# 2292
 Delta R.T. 0.00 min
 Lab File: VU033206.D
 Acq: 11 Jul 2019 23:41

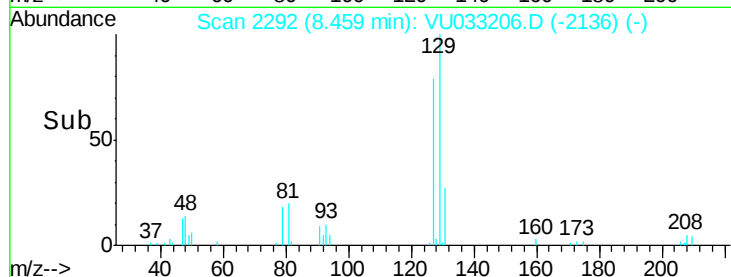
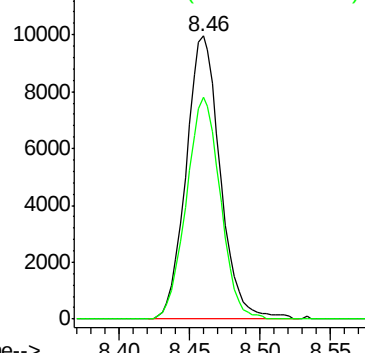
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0711WBSD01

Tot Ion	Ratio	Lower	Upper
129	100		
127	78.1	62.9	94.3

Manual Integrations
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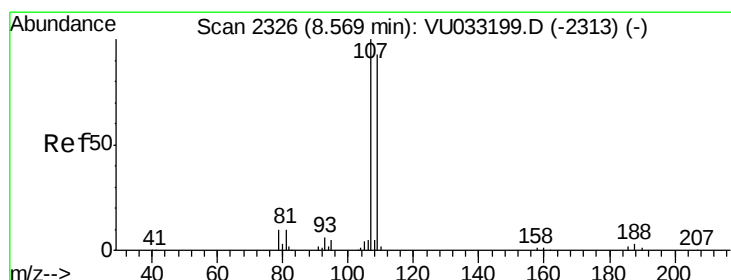


Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V



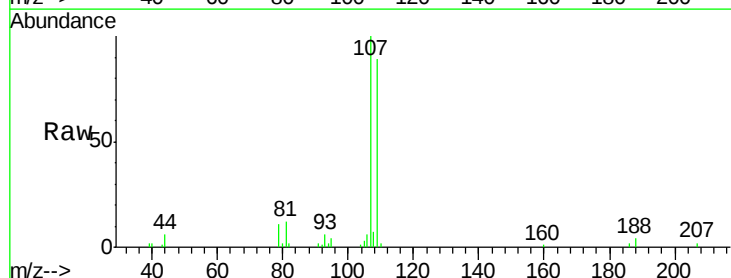
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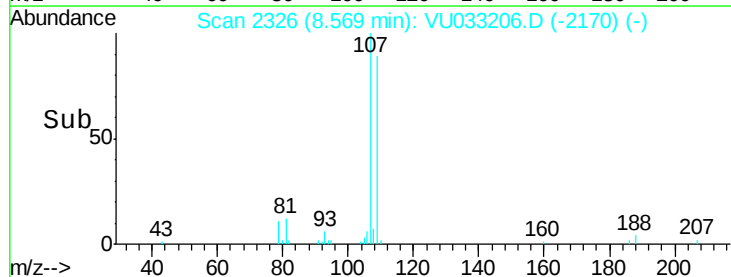
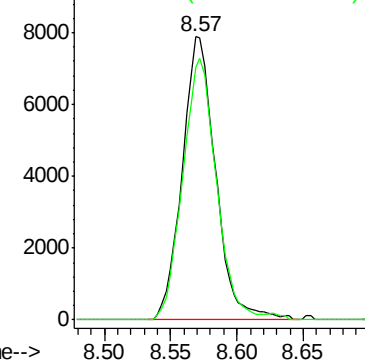


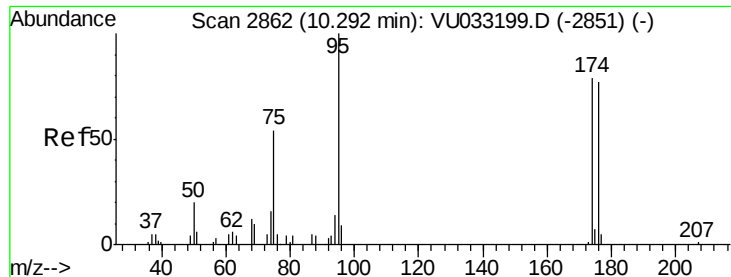
#56
 1,2-Dibromoethane
 Concen: 2.070 ug/l
 RT: 8.57 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU033206.D
 Acq: 11 Jul 2019 23:41

Tgt Ion	Ratio	Lower	Upper
107	100		
109	92.6	0.0	189.2



Abundance Ion 107.00 (106.70 to 107.70): V
 Ion 109.00 (108.70 to 109.70): V



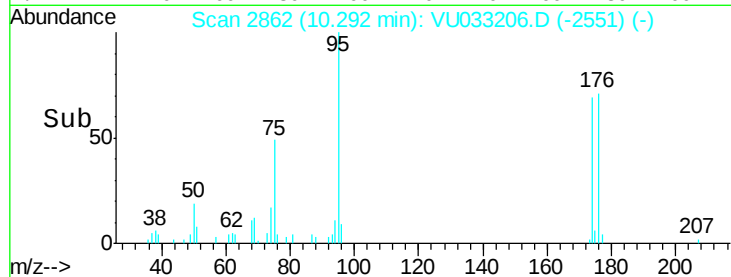
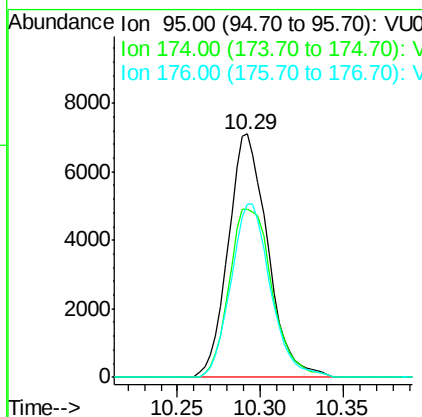
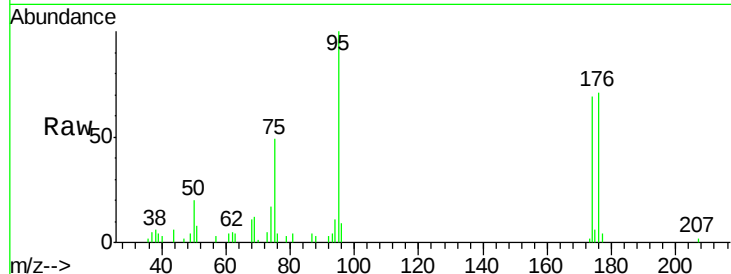


#57
4-Bromofluorobenzene
Concen: 1.022 ug/l
RT: 10.29 min Scan# 2862
Delta R.T. 0.00 min
Lab File: VU033206.D
Acq: 11 Jul 2019 23:41

Instrument :
MSVOA_U
ClientSampleId :
VU0711WBSD01

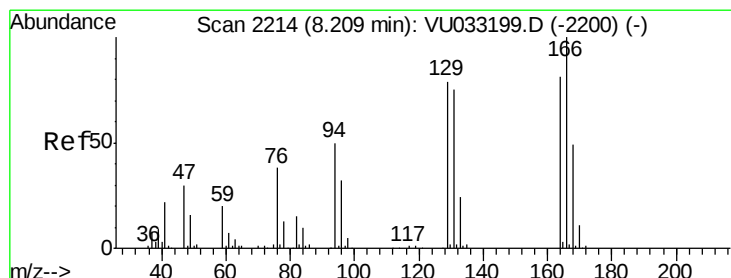
Tot Ion:	95	Resp:	11781
Ion Ratio	Lower	Upper	
95	100		
174	75.0	63.8	95.8
176	71.4	64.5	96.7

Manual Integrations
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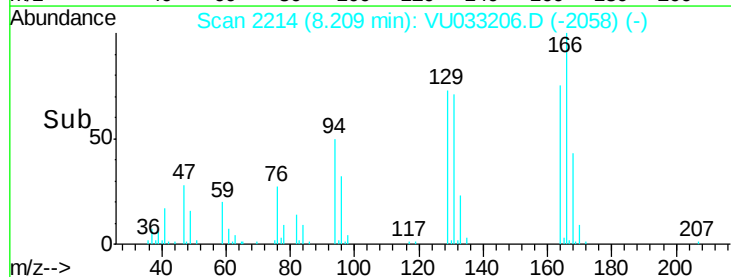
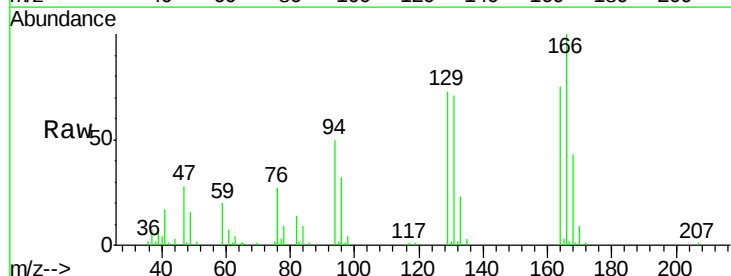
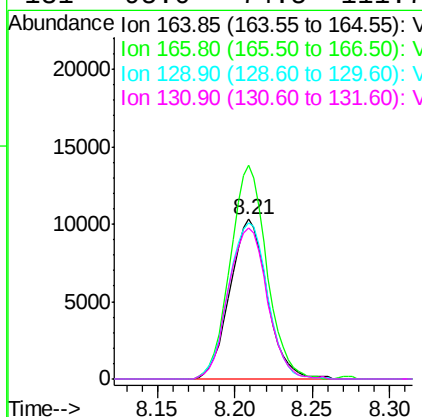
MMDadoda

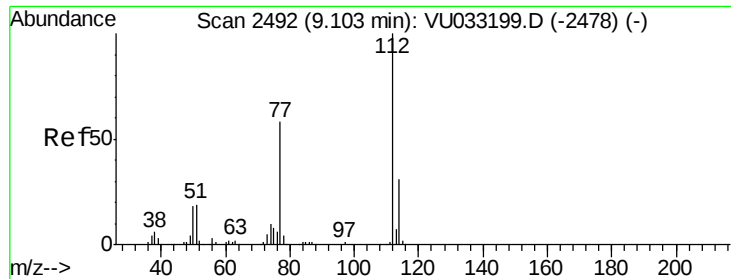
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#58
Tetrachloroethene
Concen: 2.009 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU033206.D
Acq: 11 Jul 2019 23:41

Tgt Ion:	164	Resp:	17267
Ion Ratio	Lower	Upper	
164	100		
166	133.8	99.3	148.9
129	98.1	78.0	117.0
131	95.0	74.5	111.7



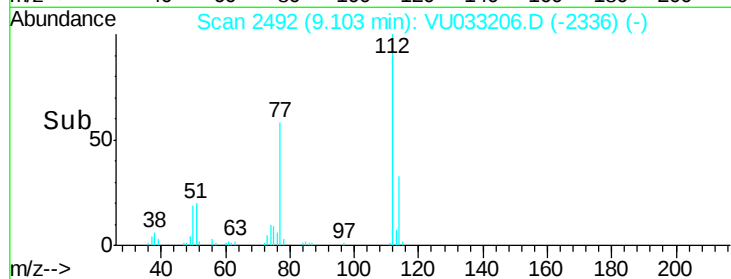
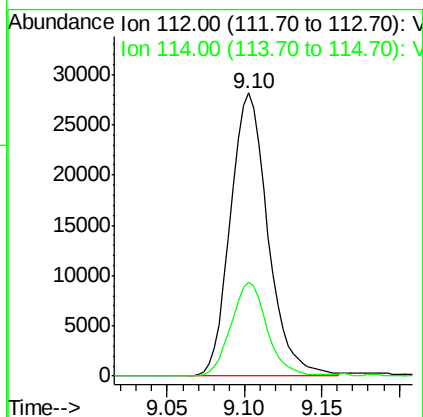
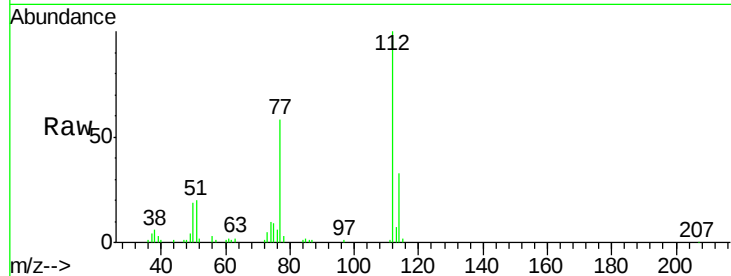


#59
Chlorobenzene
Concen: 1.991 ug/l
RT: 9.10 min Scan# 2492
Delta R.T. 0.00 min
Lab File: VU033206.D
Acq: 11 Jul 2019 23:41

Instrument :
MSVOA_U
ClientSampleId :
VU0711WBSD01

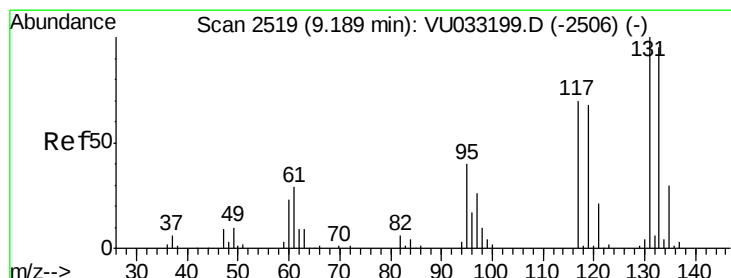
Tot Ion:112 Resp: 47480
Ion Ratio Lower Upper
112 100
114 33.3 25.1 37.7

Manual Integrations
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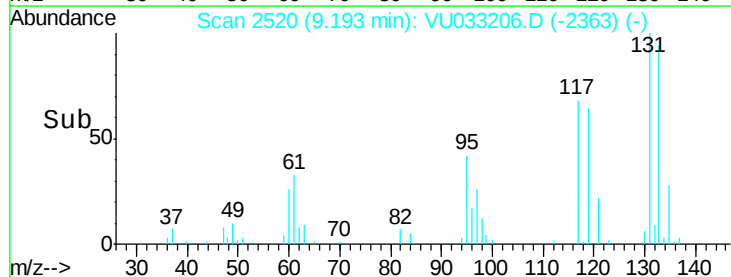
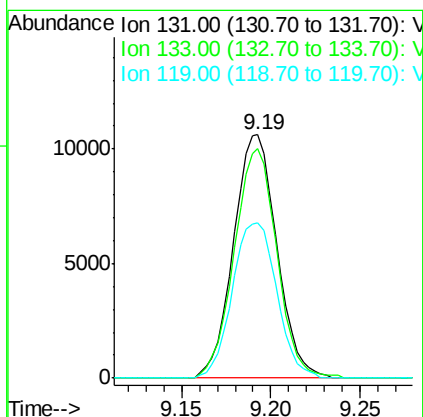
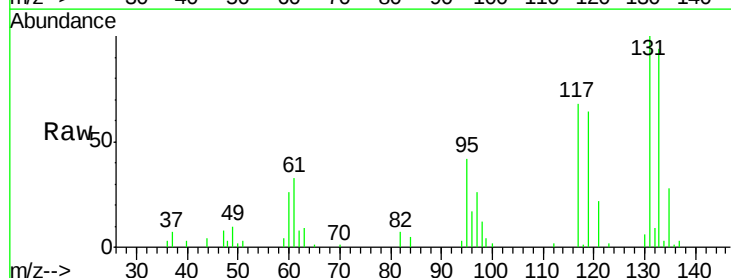
MMDadoda

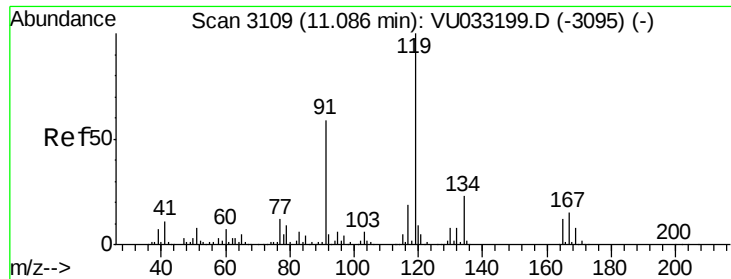
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#60
1,1,1,2-Tetrachloroethane
Concen: 2.035 ug/l
RT: 9.19 min Scan# 2520
Delta R.T. 0.00 min
Lab File: VU033206.D
Acq: 11 Jul 2019 23:41

Tgt Ion:131 Resp: 17886
Ion Ratio Lower Upper
131 100
133 92.9 76.7 115.1
119 65.6 54.2 81.2



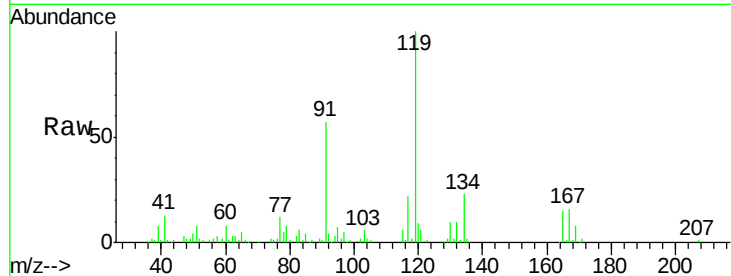


#61
 Pentachloroethane
 Concen: 1.965 ug/l
 RT: 11.09 min Scan# 3109
 Delta R.T. 0.00 min
 Lab File: VU033206.D
 Acq: 11 Jul 2019 23:41

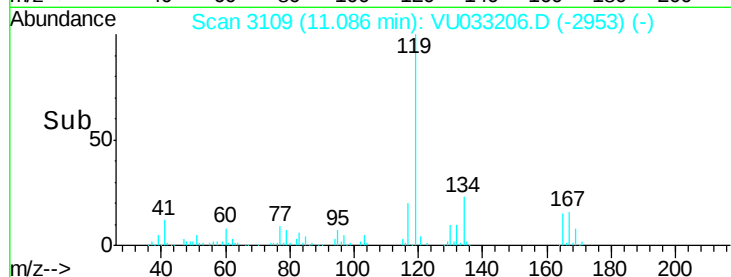
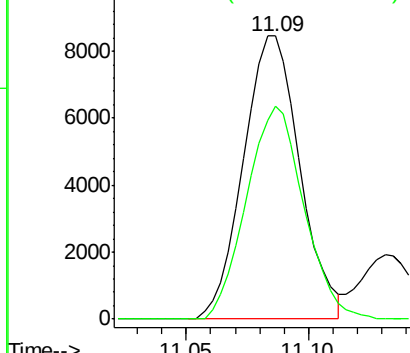
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0711WBSD01

Tot Ion:117 Resp: 13576
 Ion Ratio Lower Upper
 117 100
 167 76.4 63.6 95.4

Manual Integrations
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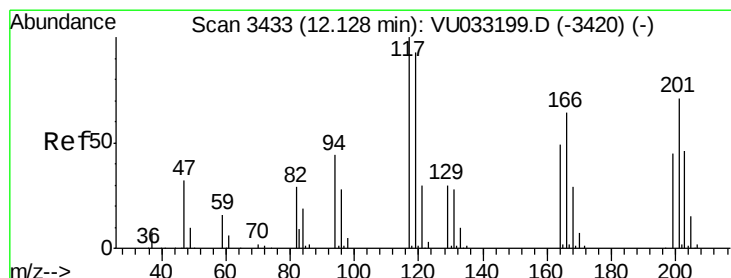


Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 166.70 (166.40 to 167.40): V



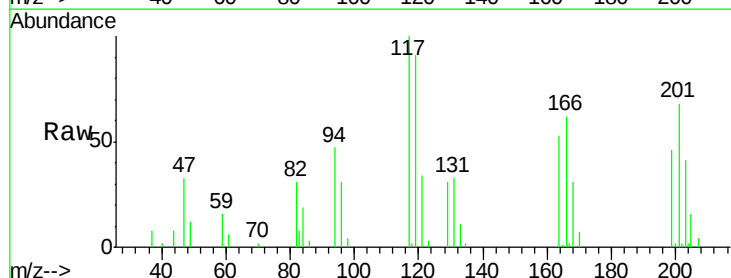
MMDadoda

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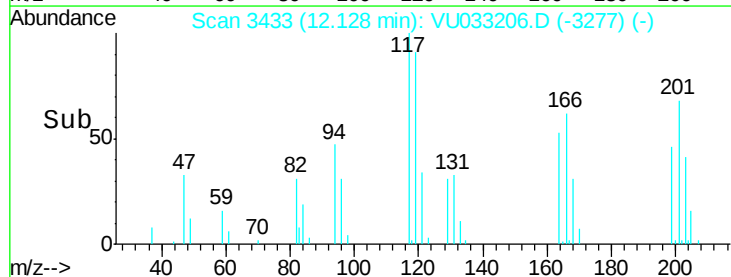
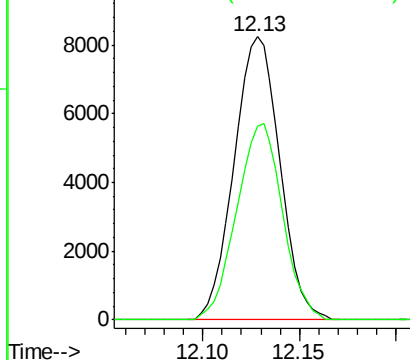


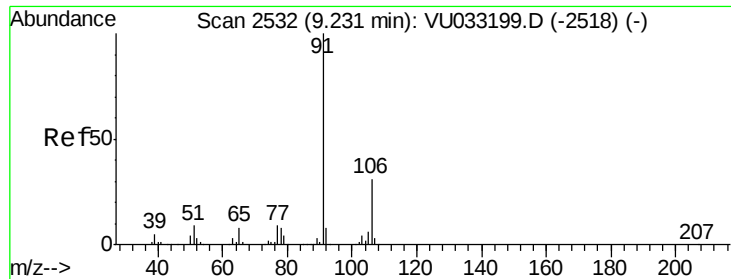
#62
 Hexachloroethane
 Concen: 2.021 ug/l
 RT: 12.13 min Scan# 3433
 Delta R.T. 0.00 min
 Lab File: VU033206.D
 Acq: 11 Jul 2019 23:41

Tgt Ion:117 Resp: 13558
 Ion Ratio Lower Upper
 117 100
 201 69.5 58.5 87.7



Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 200.60 (200.30 to 201.30): V



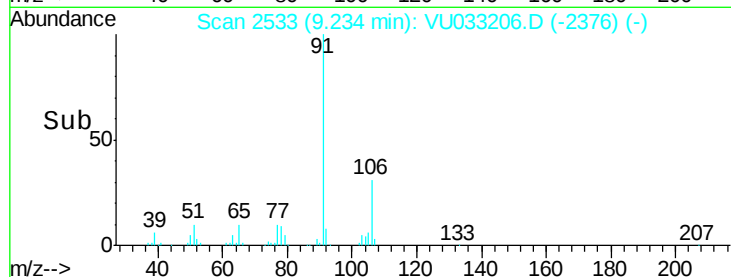
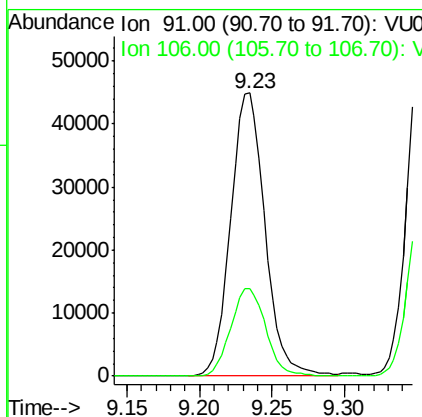
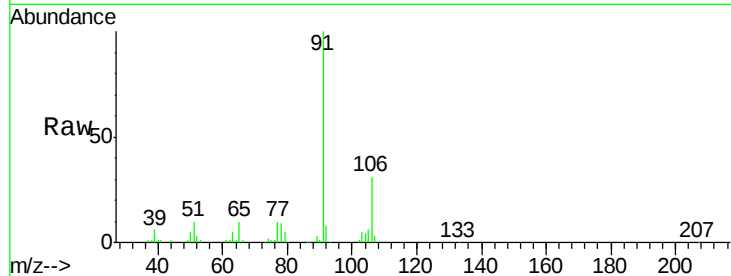


#63
Ethyl Benzene
Concen: 1.898 ug/l
RT: 9.23 min Scan# 2533
Delta R.T. 0.00 min
Lab File: VU033206.D
Acq: 11 Jul 2019 23:41

Instrument :
MSVOA_U
ClientSampleId :
VU0711WBSD01

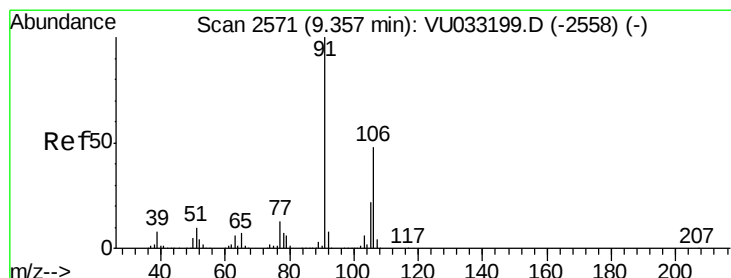
Tot Ion: 91 Resp: 74012
Ion Ratio Lower Upper
91 100
106 30.8 24.9 37.3

Manual Integrations
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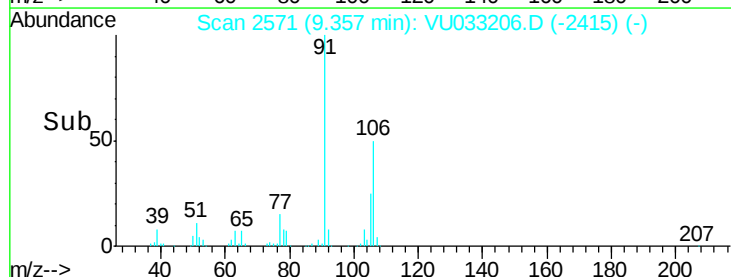
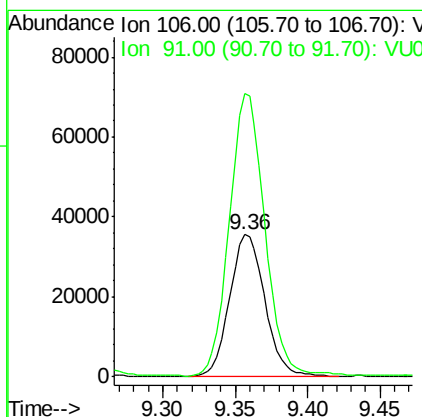
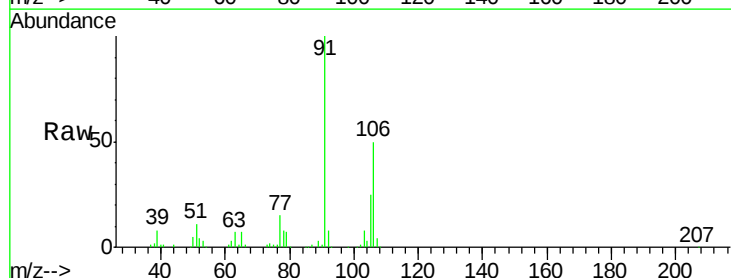
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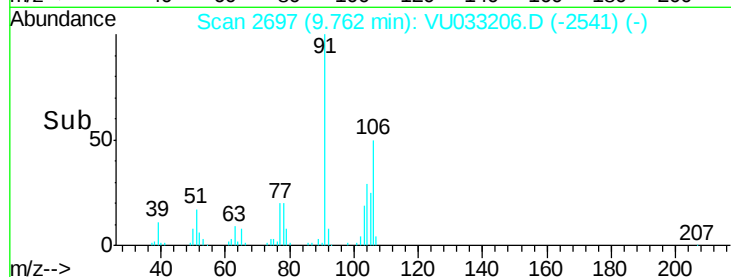
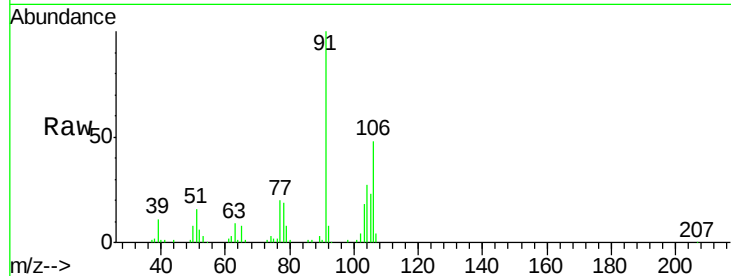
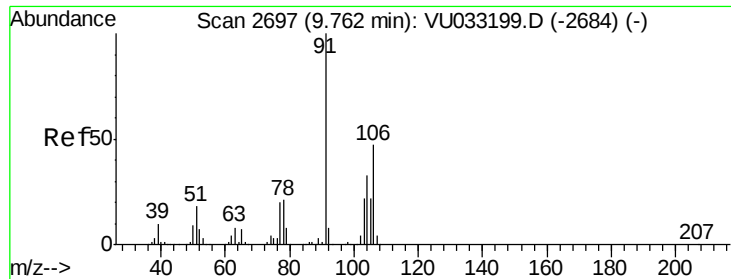
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#64
m/p-Xylenes
Concen: 3.961 ug/l
RT: 9.36 min Scan# 2571
Delta R.T. 0.00 min
Lab File: VU033206.D
Acq: 11 Jul 2019 23:41

Tgt Ion: 106 Resp: 60348
Ion Ratio Lower Upper
106 100
91 197.2 164.8 247.2



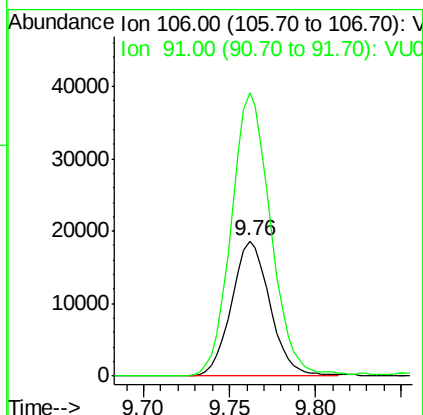


#65
o-Xylene
Concen: 1.960 ug/l
RT: 9.76 min Scan# 2697
Delta R.T. 0.00 min
Lab File: VU033206.D
Acq: 11 Jul 2019 23:41

Tot Ion:106 Resp: 29026
Ion Ratio Lower Upper
106 100
91 215.0 108.6 325.8

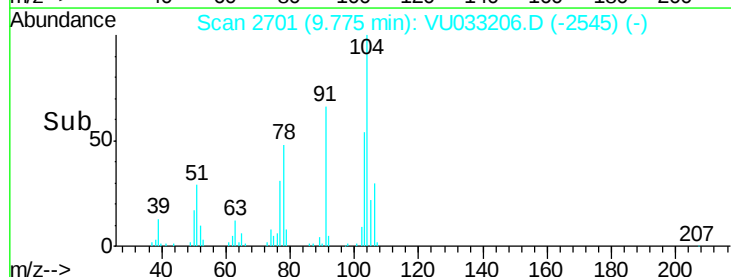
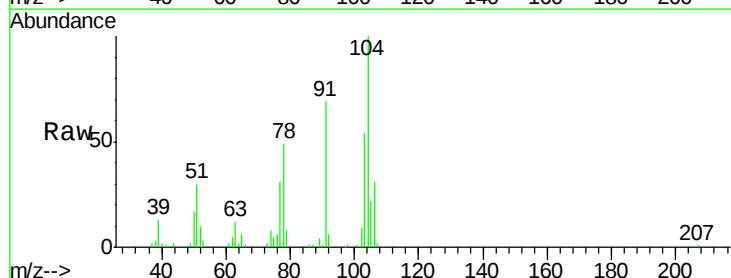
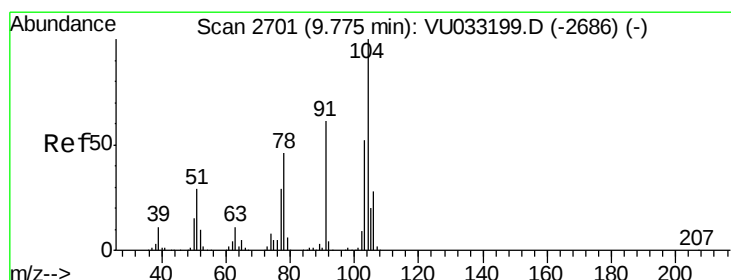
Instrument :
MSVOA_U
ClientSampleId :
VU0711WBSD01

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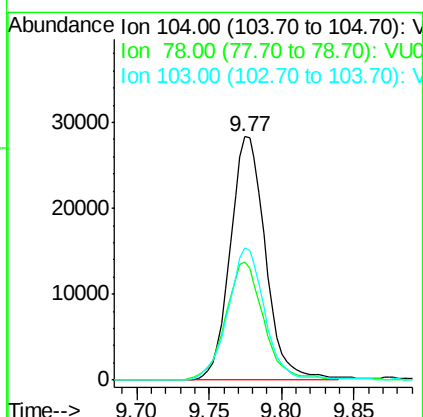
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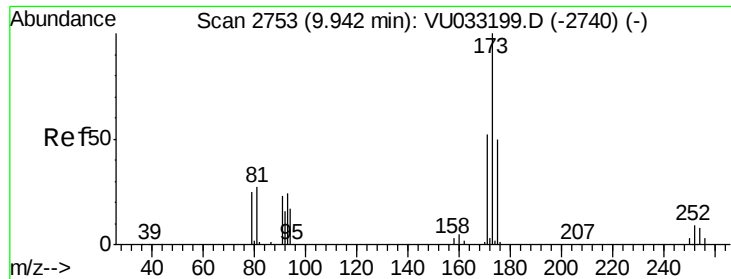
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#66
Styrene
Concen: 1.916 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU033206.D
Acq: 11 Jul 2019 23:41

Tgt Ion:104 Resp: 47907
Ion Ratio Lower Upper
104 100
78 52.2 40.4 60.6
103 56.6 44.3 66.5





#67

Bromoform

Concen: 1.988 ug/l

RT: 9.94 min Scan# 2753

Delta R.T. 0.00 min

Lab File: VU033206.D

Acq: 11 Jul 2019 23:41

Instrument :

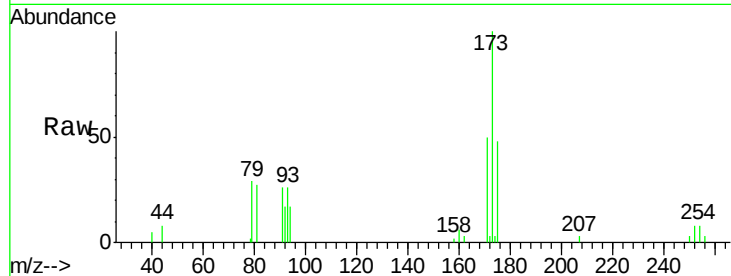
MSVOA_U

ClientSampleId :

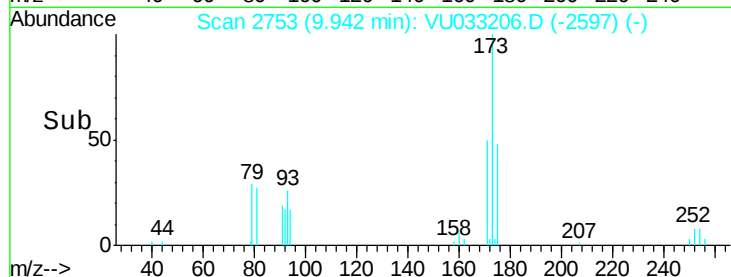
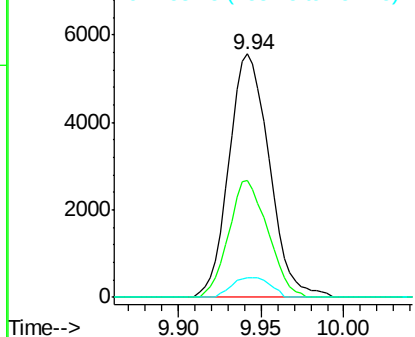
VU0711WBSD01

Tot Ion:	173	Resp:	9450
Ion Ratio	Lower	Upper	
173	100		
175	46.6	39.4	59.0
254	7.6	6.9	10.3

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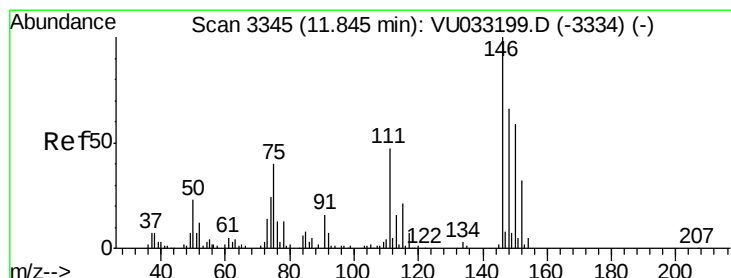


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



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#68

1,2-Dichlorobenzene-d4

Concen: 0.979 ug/l

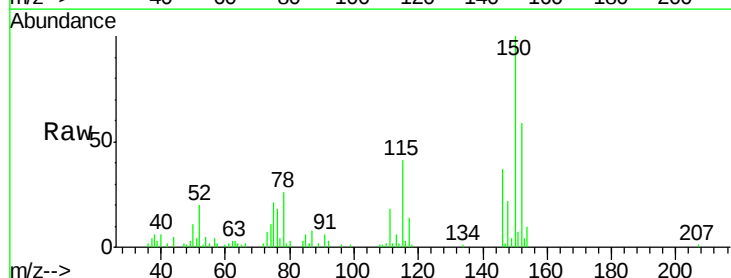
RT: 11.85 min Scan# 3345

Delta R.T. 0.00 min

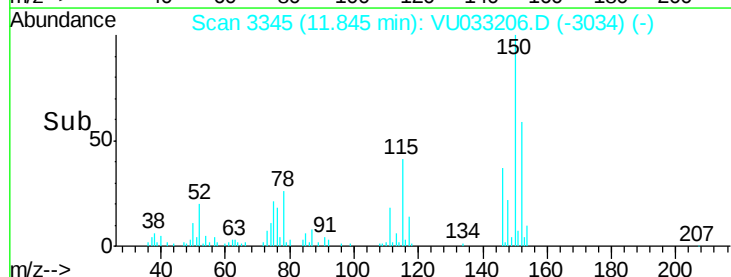
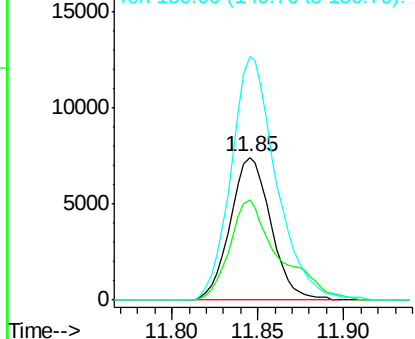
Lab File: VU033206.D

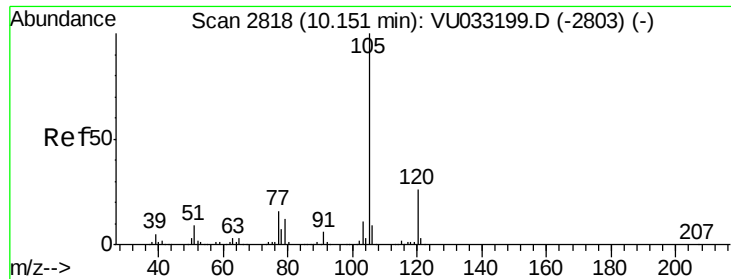
Acq: 11 Jul 2019 23:41

Tgt Ion:	152	Resp:	12228
Ion Ratio	Lower	Upper	
152	100		
115	86.0	0.0	131.0
150	189.9	0.0	634.4



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





#69

Isopropylbenzene

Concen: 1.944 ug/l

RT: 10.15 min Scan# 2818

Delta R.T. 0.00 min

Lab File: VU033206.D

Acq: 11 Jul 2019 23:41

Instrument :

MSVOA_U

ClientSampleId :

VU0711WBSD01

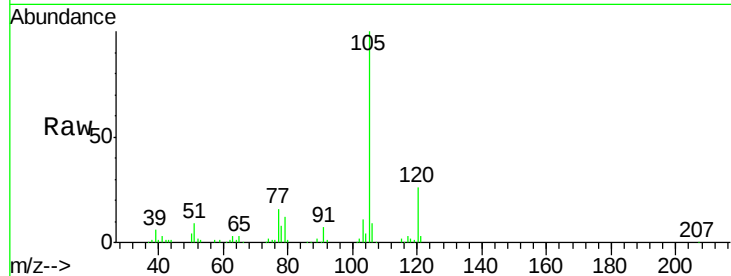
Tot Ion:105 Resp: 74873

Ion Ratio Lower Upper

105 100

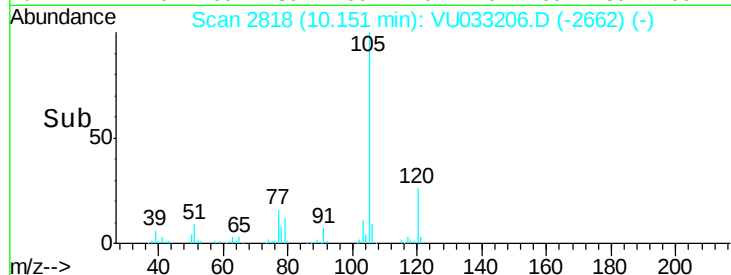
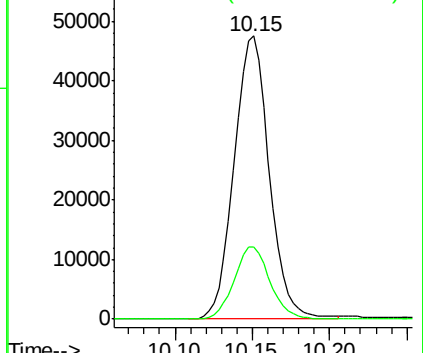
120 26.0 13.2 39.6

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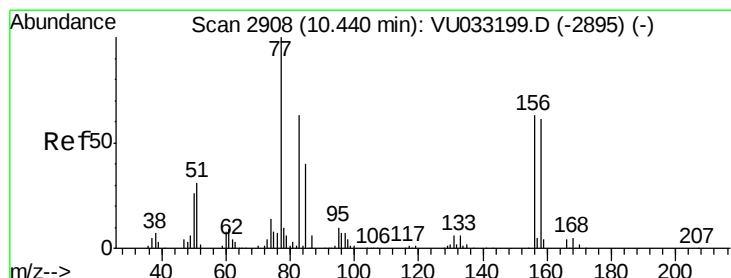
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



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#70

1,1,2,2-Tetrachloroethane

Concen: 2.020 ug/l

RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU033206.D

Acq: 11 Jul 2019 23:41

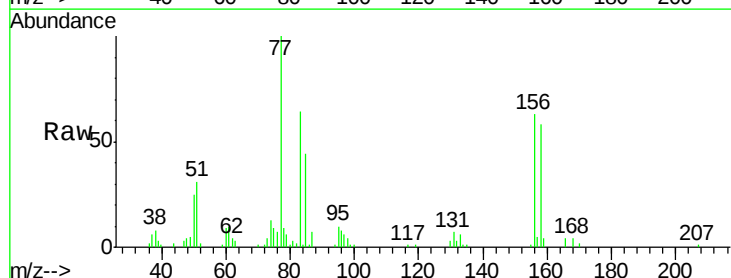
Tgt Ion: 83 Resp: 19865

Ion Ratio Lower Upper

83 100

131 9.4 8.0 12.0

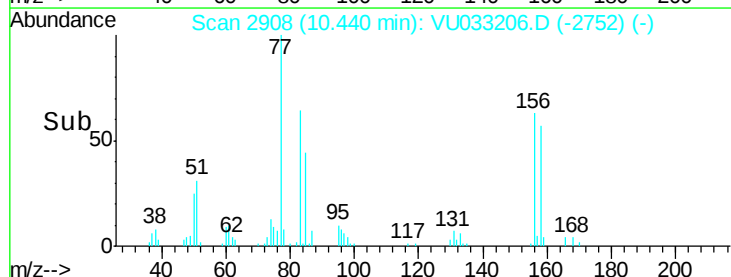
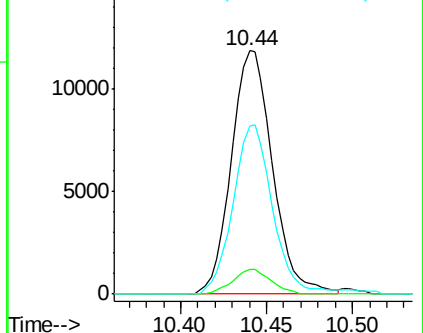
85 66.4 50.6 76.0

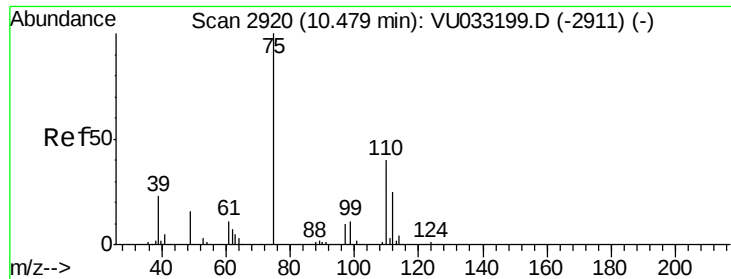


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0



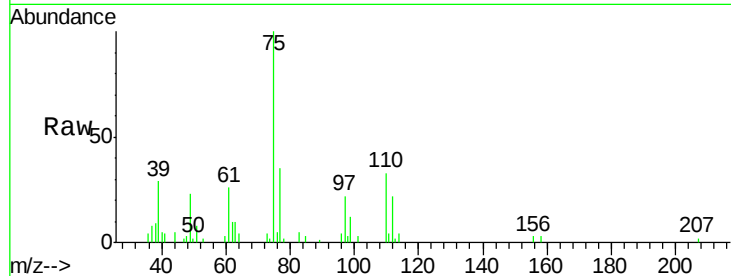


#71
1,2,3-Trichloropropane
Concen: 1.962 ug/l m
RT: 10.48 min Scan# 2920
Delta R.T. 0.00 min
Lab File: VU033206.D
Acq: 11 Jul 2019 23:41

Instrument :
MSVOA_U
ClientSampleId :
VU0711WBSD01

Tot Ion	75	Resp	14458
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	15.4
110	34.1	0.0	72.2
97	20.3	0.0	37.2

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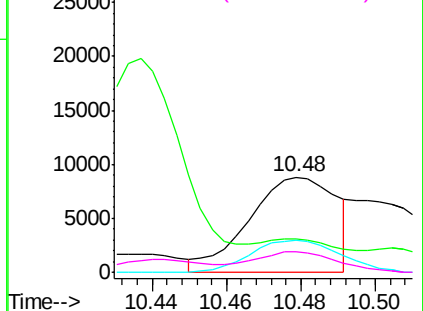


Abundance Ion 75.00 (74.70 to 75.70): VU033199.D (-2911) (-)

Ion 77.00 (76.70 to 77.70): VU033199.D (-2911) (-)

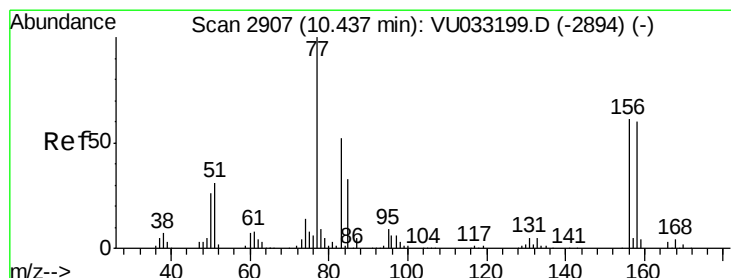
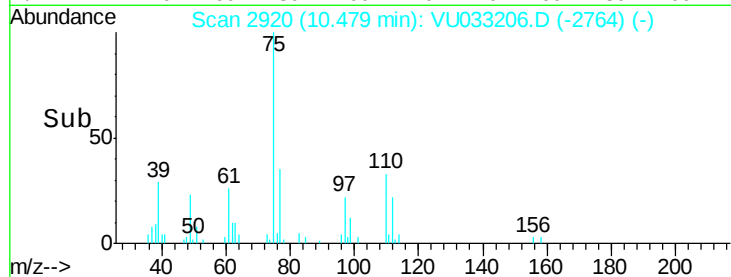
Ion 110.00 (109.70 to 110.70): VU033199.D (-2911) (-)

Ion 97.00 (96.70 to 97.70): VU033199.D (-2911) (-)



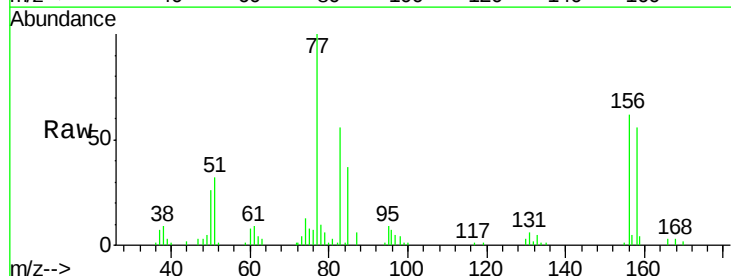
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#72
Bromobenzene
Concen: 2.046 ug/l
RT: 10.44 min Scan# 2907
Delta R.T. 0.00 min
Lab File: VU033206.D
Acq: 11 Jul 2019 23:41

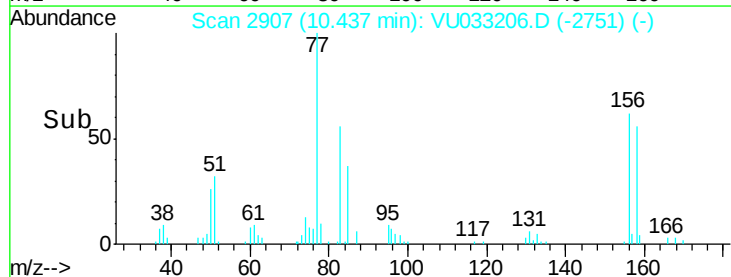
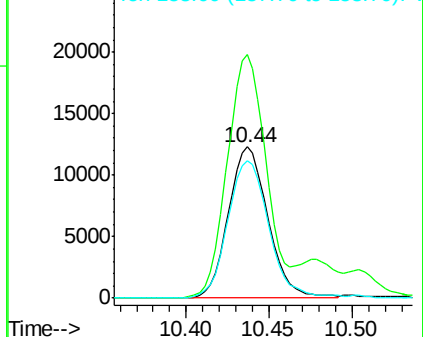
Tgt Ion	156	Resp	20431
Ion	Ratio	Lower	Upper
156	100		
77	157.6	0.0	326.0
158	94.2	0.0	193.2

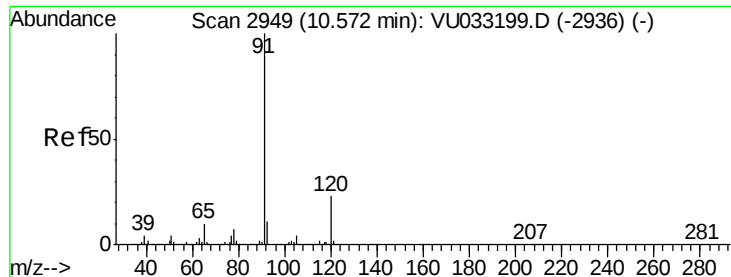


Abundance Ion 156.00 (155.70 to 156.70): VU033199.D (-2894) (-)

Ion 77.00 (76.70 to 77.70): VU033199.D (-2894) (-)

Ion 158.00 (157.70 to 158.70): VU033199.D (-2894) (-)





#73

n-propylbenzene

Concen: 1.922 ug/l

RT: 10.57 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU033206.D

Acq: 11 Jul 2019 23:41

Instrument :

MSVOA_U

ClientSampleId :

VU0711WBSD01

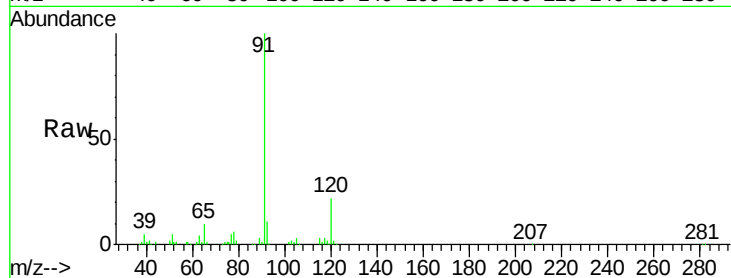
Tot Ion:120 Resp: 20967

Ion Ratio Lower Upper

120 100

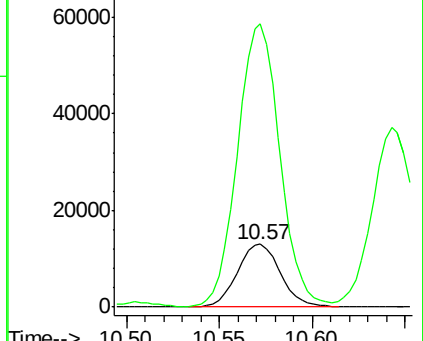
91 442.1 349.0 523.4

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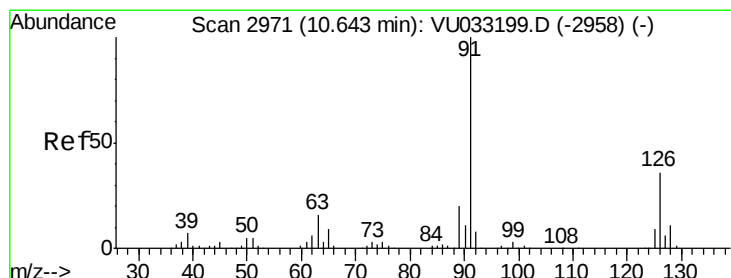
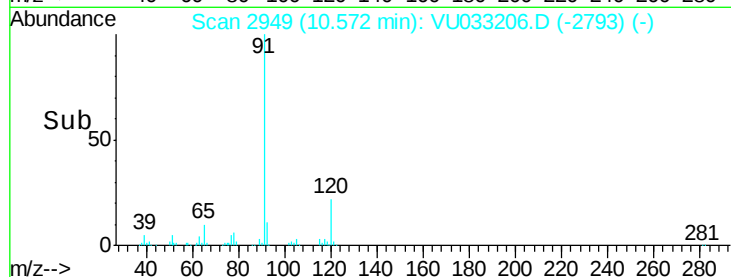
Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



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#74

2-Chlorotoluene

Concen: 2.030 ug/l

RT: 10.64 min Scan# 2971

Delta R.T. 0.00 min

Lab File: VU033206.D

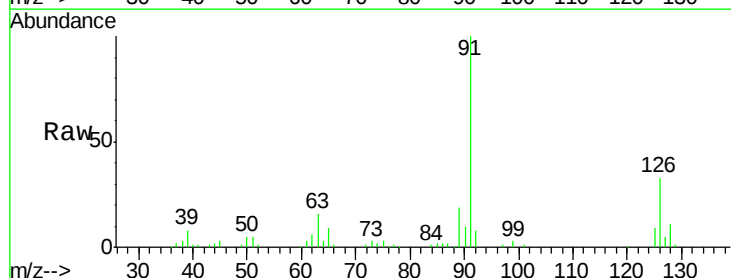
Acq: 11 Jul 2019 23:41

Tgt Ion:126 Resp: 19984

Ion Ratio Lower Upper

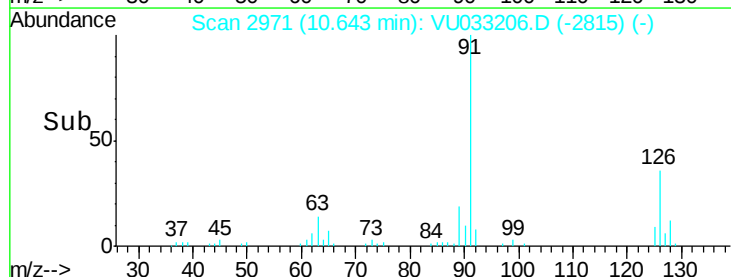
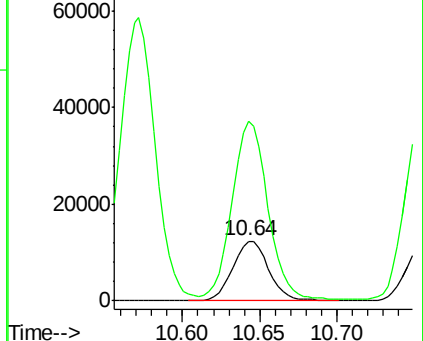
126 100

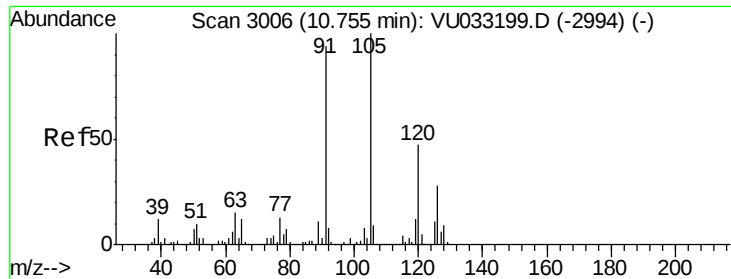
91 296.6 0.0 592.2



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#75

1,3,5-Trimethylbenzene

Concen: 2.016 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VU033206.D

Acq: 11 Jul 2019 23:41

Instrument :

MSVOA_U

ClientSampleId :

VU0711WBSD01

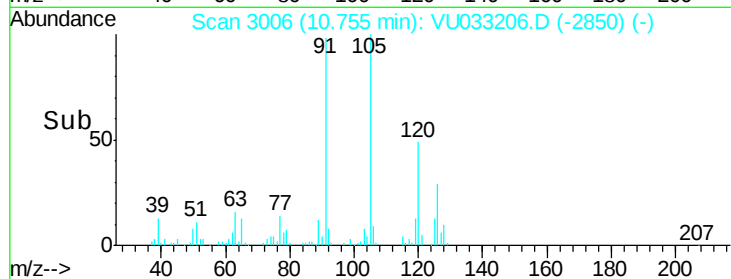
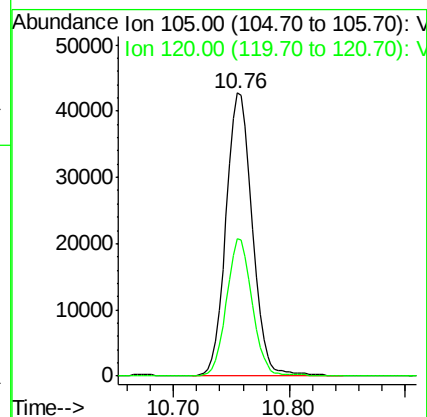
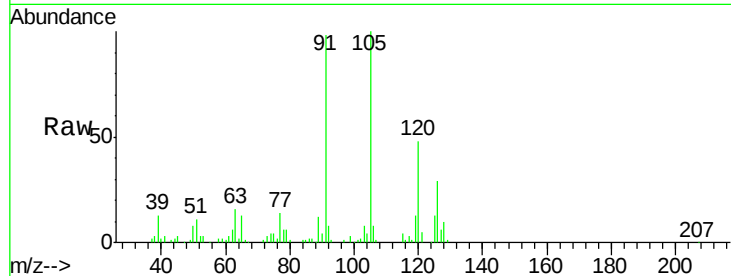
Tot Ion:105 Resp: 67185

Ion Ratio Lower Upper

105 100

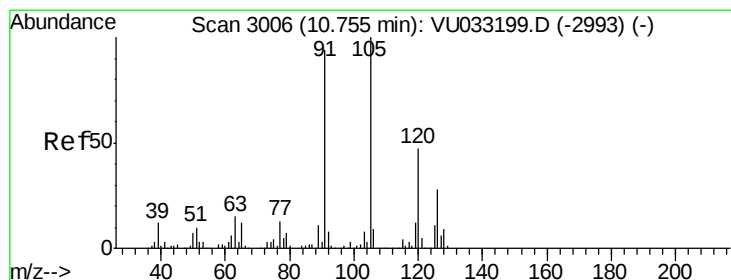
120 47.2 37.8 56.8

Manual Integrations
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#76

4-Chlorotoluene

Concen: 2.033 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VU033206.D

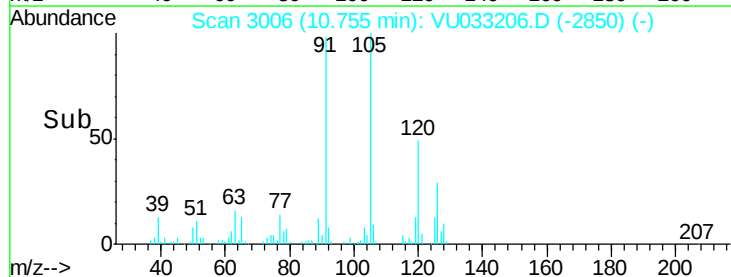
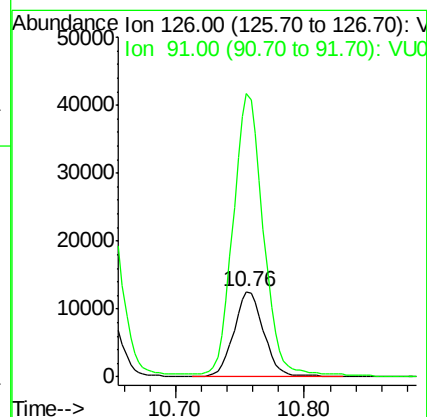
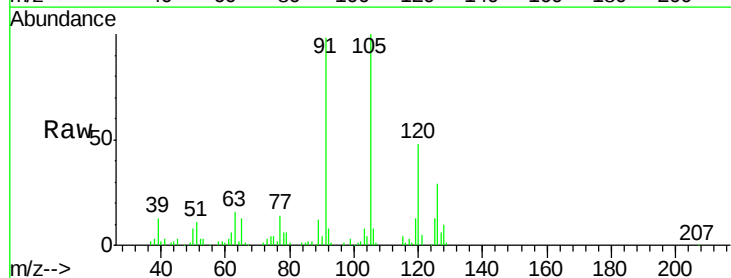
Acq: 11 Jul 2019 23:41

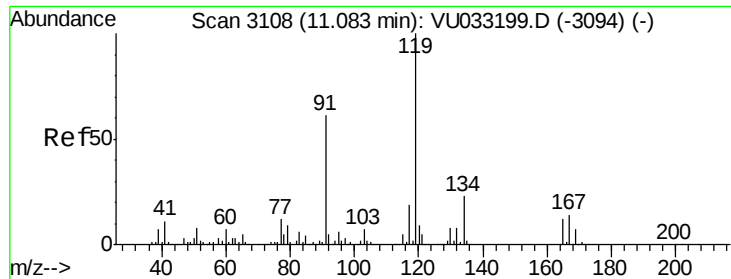
Tgt Ion:126 Resp: 20433

Ion Ratio Lower Upper

126 100

91 323.4 0.0 663.4



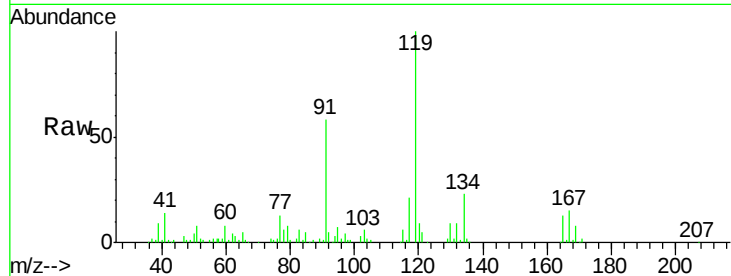


#77
tert-Butylbenzene
Concen: 1.930 ug/l
RT: 11.08 min Scan# 3108
Delta R.T. 0.00 min
Lab File: VU033206.D
Acq: 11 Jul 2019 23:41

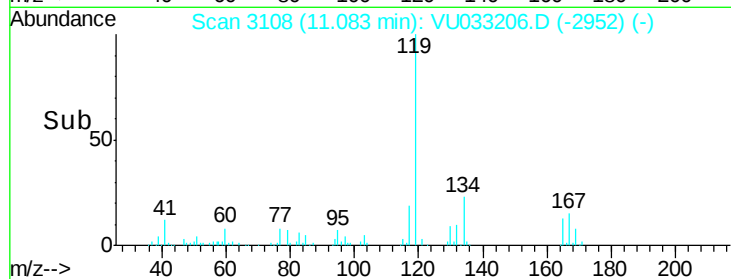
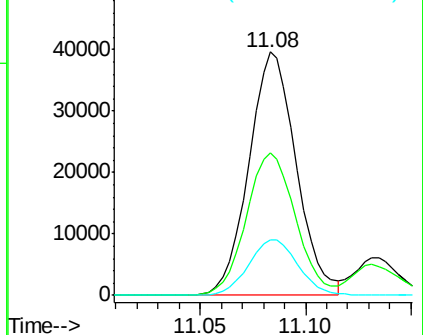
Instrument :
MSVOA_U
ClientSampleId :
VU0711WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.4	29.8	89.5
134	23.8	18.2	27.4

Manual Integrations
APPROVED

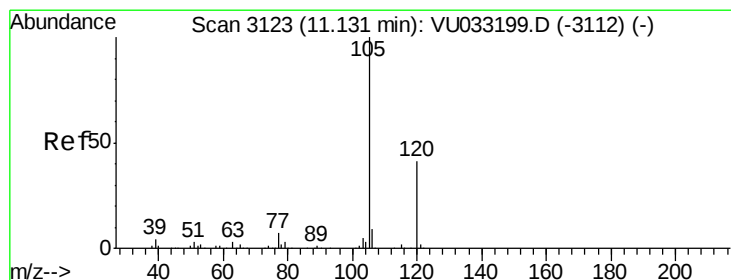


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



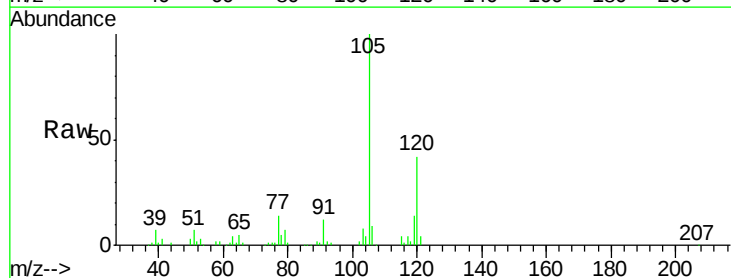
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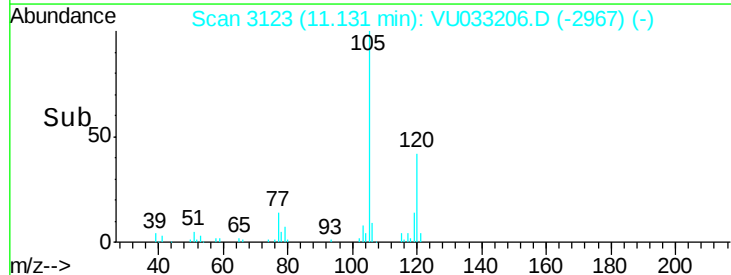
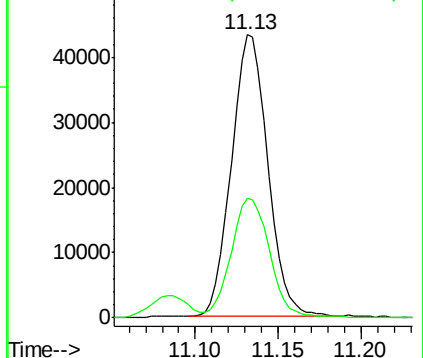


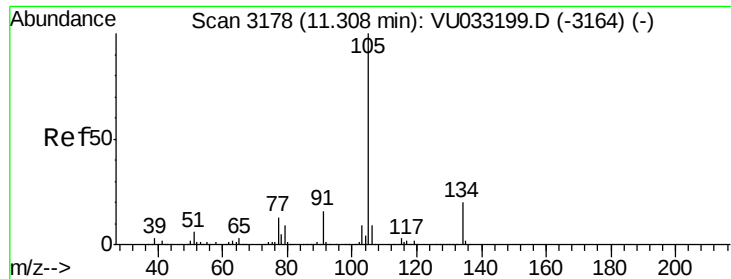
#78
1,2,4-Trimethylbenzene
Concen: 1.929 ug/l
RT: 11.13 min Scan# 3123
Delta R.T. 0.00 min
Lab File: VU033206.D
Acq: 11 Jul 2019 23:41

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.7	22.6	67.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V



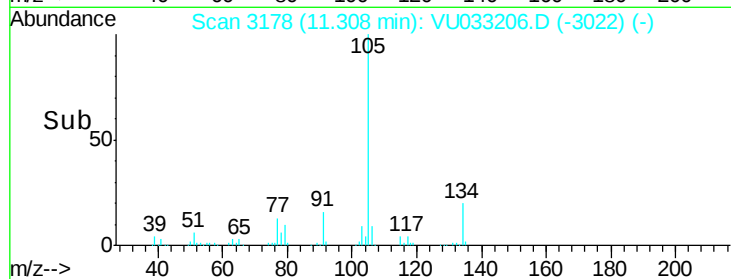
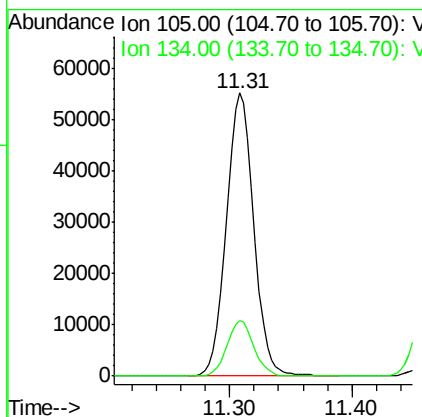
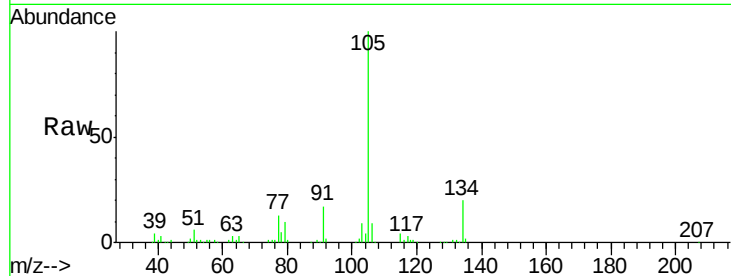


#79
 sec-Butylbenzene
 Concen: 1.978 ug/l
 RT: 11.31 min Scan# 3178
 Delta R.T. 0.00 min
 Lab File: VU033206.D
 Acq: 11 Jul 2019 23:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0711WBSD01

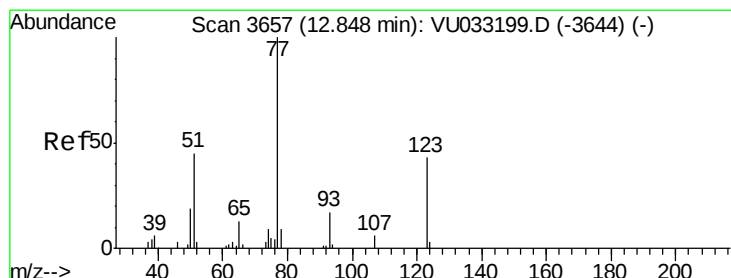
Tot Ion	Ratio	Lower	Upper
105	100		
134	19.3	15.8	23.8

Manual Integrations
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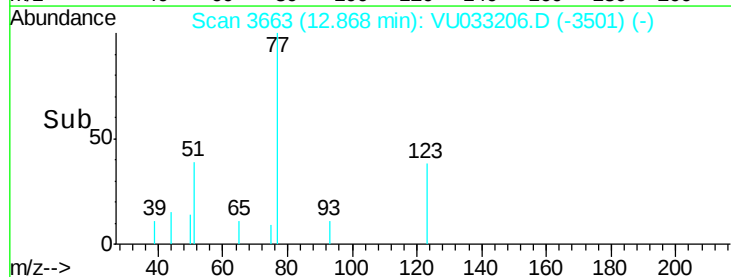
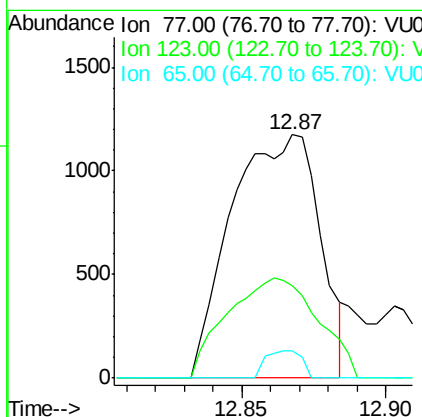
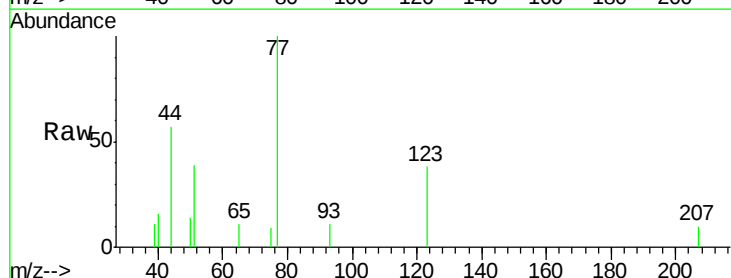
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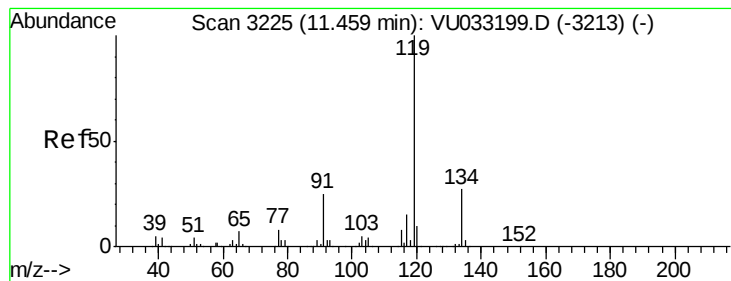
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#80
 Nitrobenzene
 Concen: 9.276 ug/l m
 RT: 12.87 min Scan# 3663
 Delta R.T. 0.02 min
 Lab File: VU033206.D
 Acq: 11 Jul 2019 23:41

Tgt Ion	Ratio	Lower	Upper
77	100		
123	42.3	20.9	74.1
65	4.6	10.7	13.7#



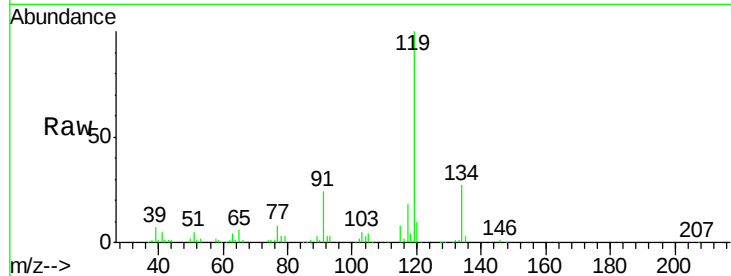


#81
p-Isopropyltoluene
Concen: 1.897 ug/l
RT: 11.46 min Scan# 3225
Delta R.T. 0.00 min
Lab File: VU033206.D
Acq: 11 Jul 2019 23:41

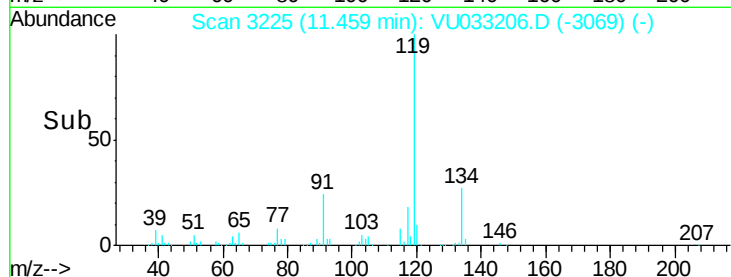
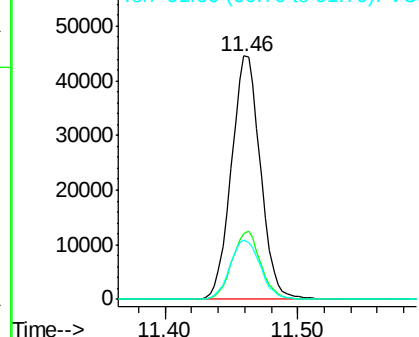
Instrument :
MSVOA_U
ClientSampleId :
VU0711WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
134	27.6	21.1	31.7
91	25.6	19.7	29.5

Manual Integrations
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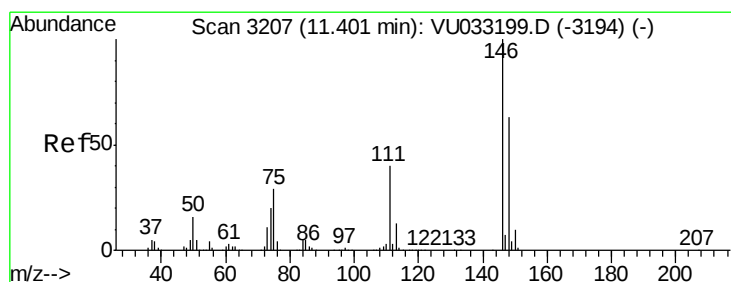


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V



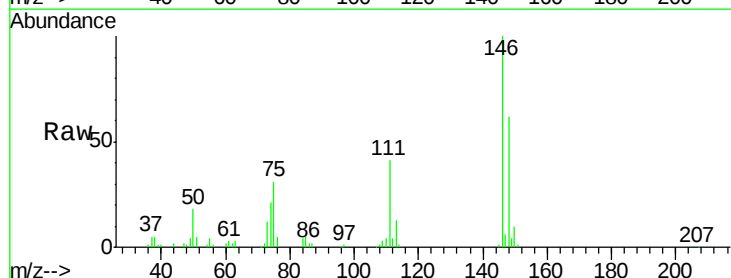
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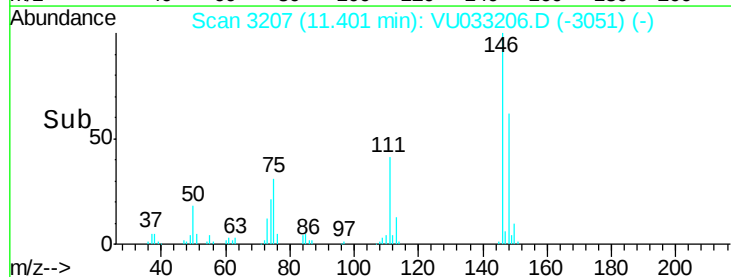
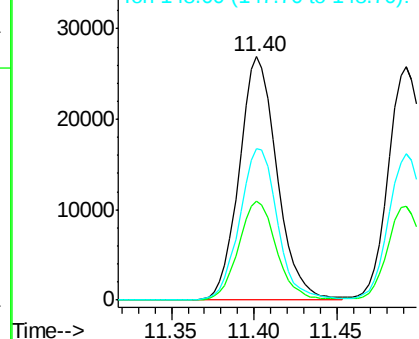


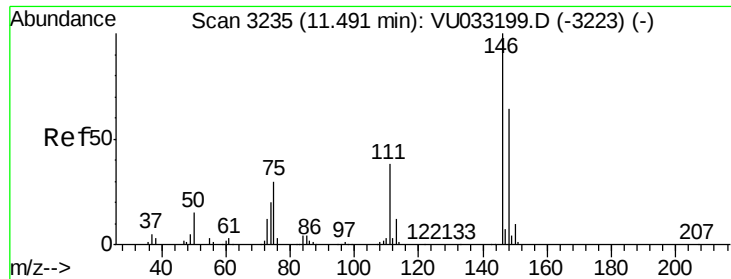
#82
1,3-Dichlorobenzene
Concen: 2.070 ug/l
RT: 11.40 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU033206.D
Acq: 11 Jul 2019 23:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	32.2	48.4
148	62.4	50.8	76.2



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



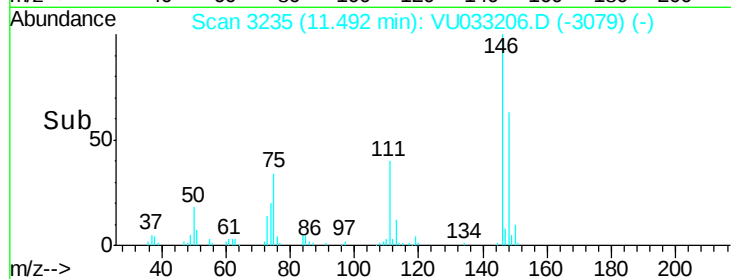
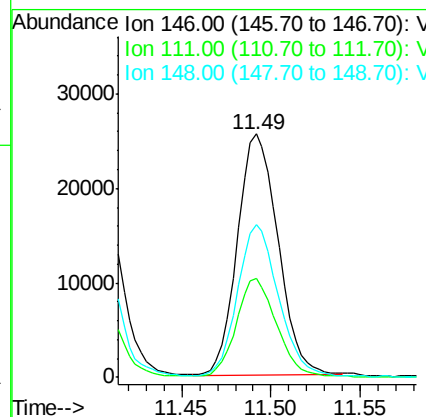
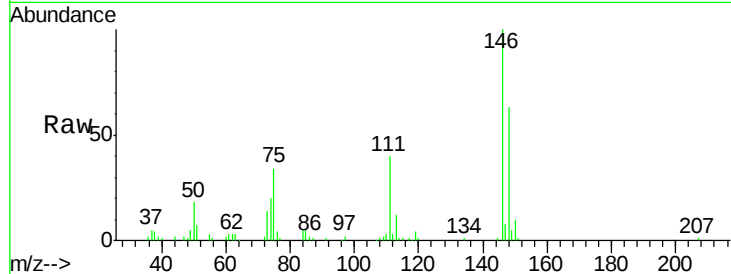


#83
 1,4-Dichlorobenzene
 Concen: 1.951 ug/l
 RT: 11.49 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU033206.D
 Acq: 11 Jul 2019 23:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0711WBSD01

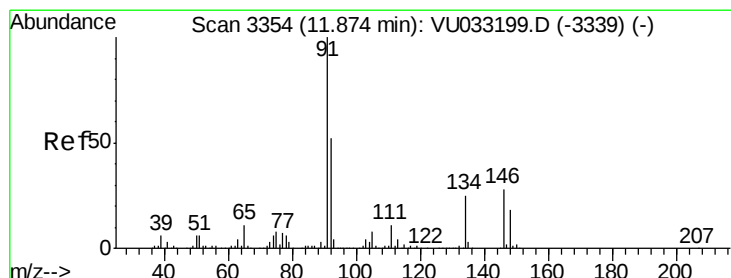
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	30.8	46.2
148	65.0	50.6	76.0

Manual Integrations
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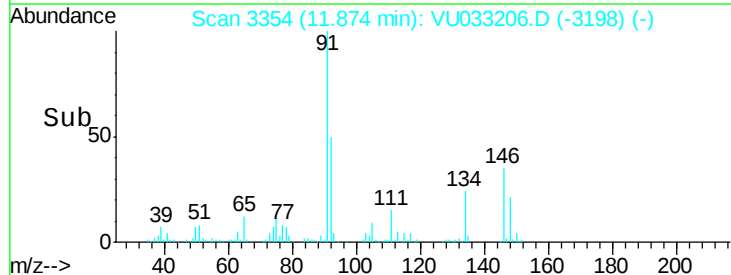
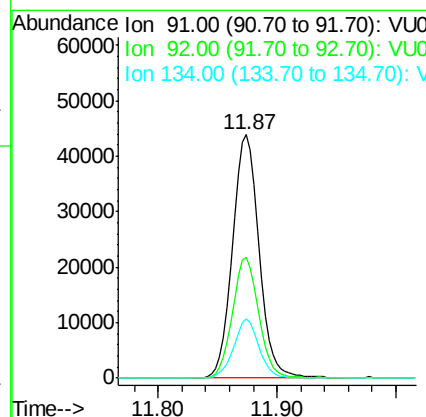
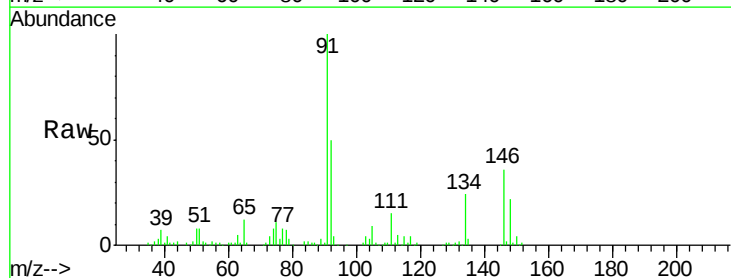
MMDadoda

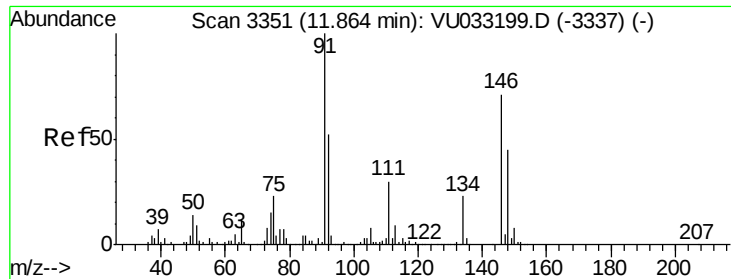
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#84
 n-Butylbenzene
 Concen: 1.902 ug/l
 RT: 11.87 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VU033206.D
 Acq: 11 Jul 2019 23:41

Tgt Ion	Ratio	Lower	Upper
91	100		
92	49.1	41.5	62.3
134	22.9	19.6	29.4



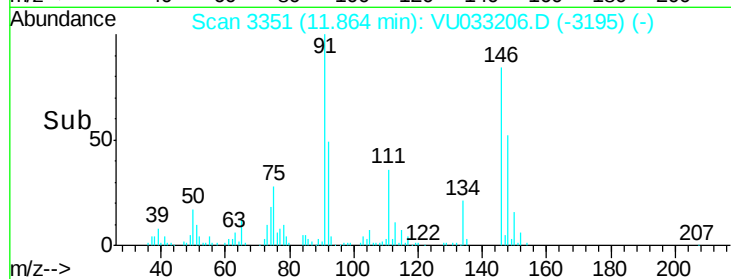
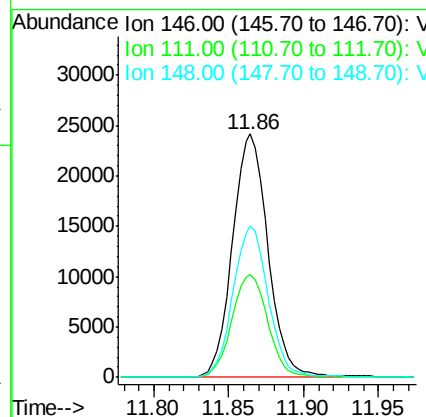
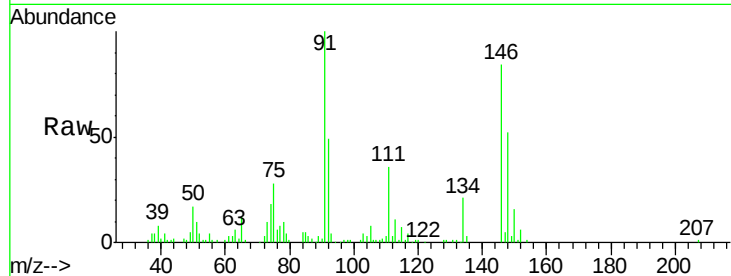


#85
 1,2-Dichlorobenzene
 Concen: 2.020 ug/l
 RT: 11.86 min Scan# 3351
 Delta R.T. 0.00 min
 Lab File: VU033206.D
 Acq: 11 Jul 2019 23:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0711WBSD01

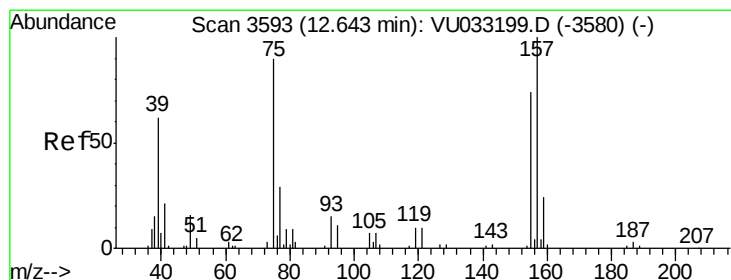
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.3	63.7
148	62.0	32.0	96.0

Manual Integrations
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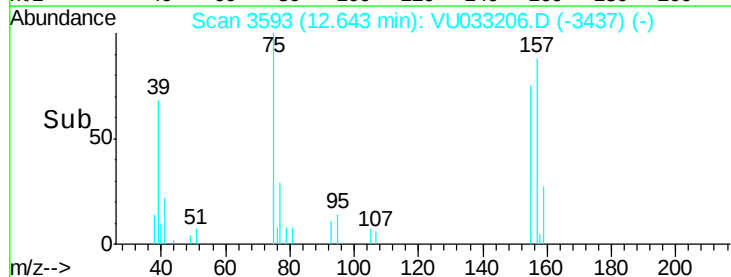
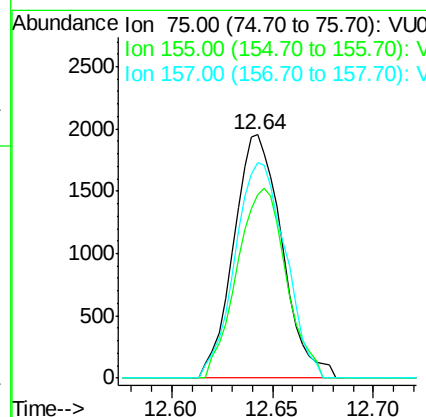
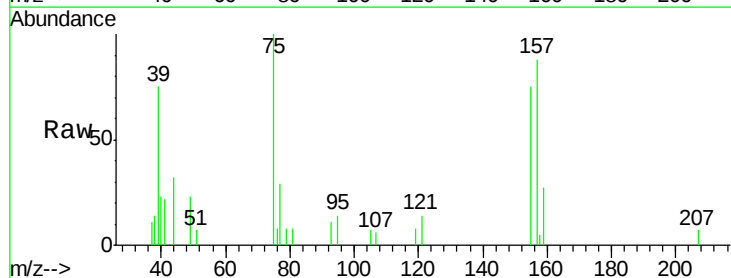
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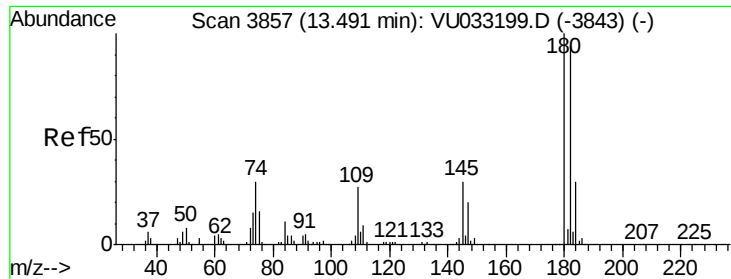
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#86
 1,2-Dibromo-3-Chloropropane
 Concen: 2.105 ug/l
 RT: 12.64 min Scan# 3593
 Delta R.T. 0.00 min
 Lab File: VU033206.D
 Acq: 11 Jul 2019 23:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.1	60.6	90.8
157	92.2	82.5	123.7



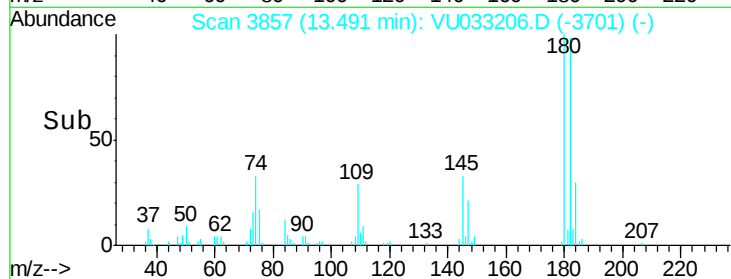
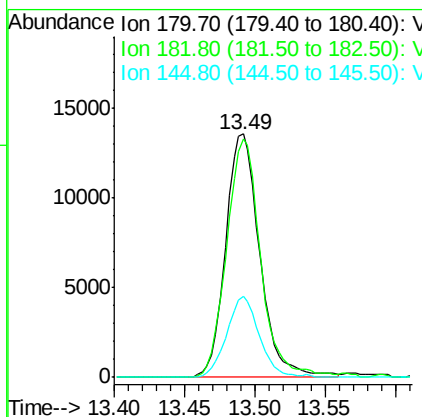
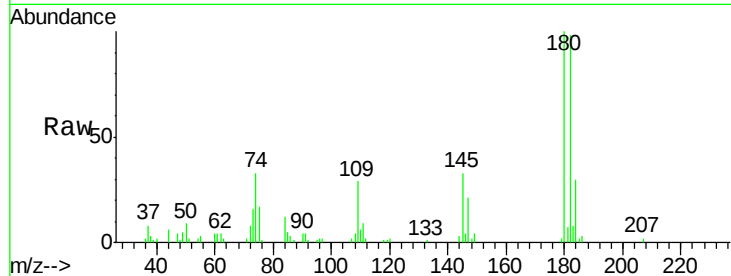


#87
 1,2,4-Trichlorobenzene
 Concen: 1.897 ug/l
 RT: 13.49 min Scan# 3857
 Delta R.T. 0.00 min
 Lab File: VU033206.D
 Acq: 11 Jul 2019 23:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0711WBSD01

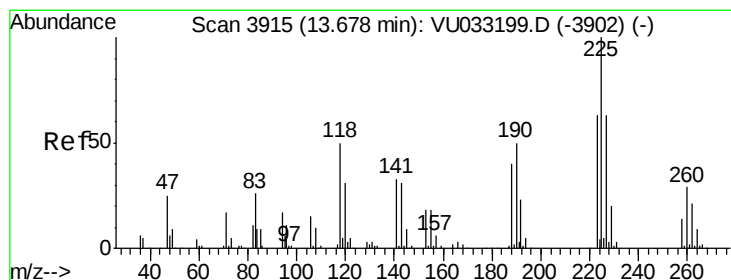
Tot Ion	Ratio	Lower	Upper
180	100		
182	97.7	75.4	113.2
145	31.6	24.5	36.7

Manual Integrations
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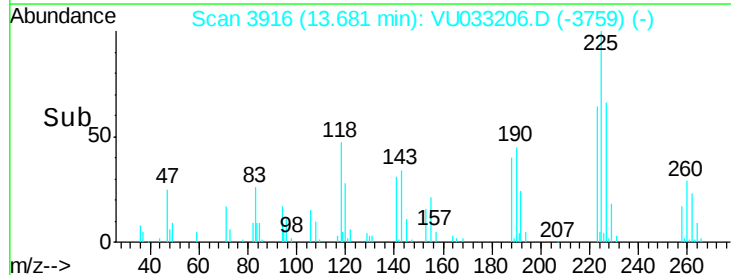
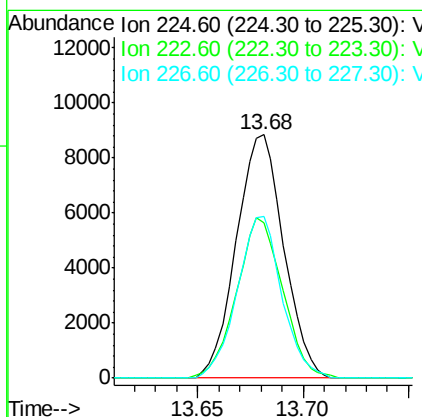
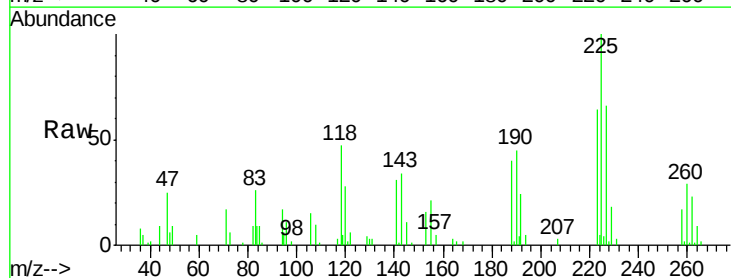
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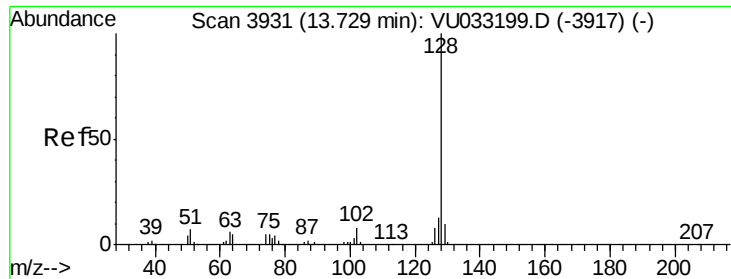
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#88
 Hexachlorobutadiene
 Concen: 1.965 ug/l
 RT: 13.68 min Scan# 3916
 Delta R.T. 0.00 min
 Lab File: VU033206.D
 Acq: 11 Jul 2019 23:41

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.0	51.1	76.7
227	62.6	51.2	76.8



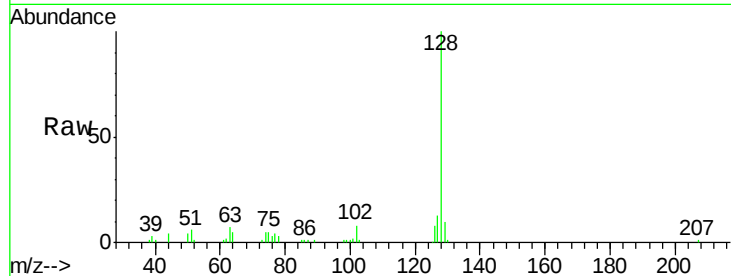


#89
Naphthalene
Concen: 1.934 ug/l
RT: 13.73 min Scan# 3931
Delta R.T. 0.00 min
Lab File: VU033206.D
Acq: 11 Jul 2019 23:41

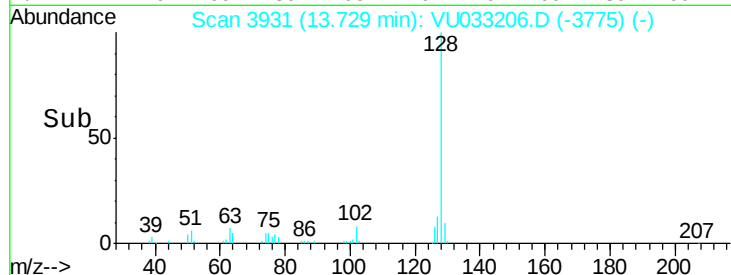
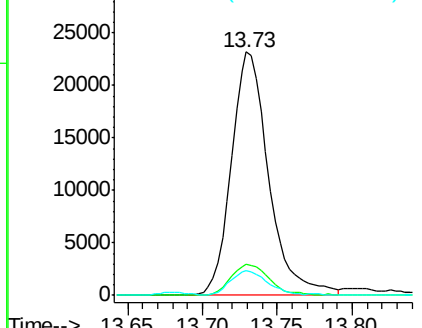
Instrument :
MSVOA_U
ClientSampleId :
VU0711WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	10.0	8.6	12.8

Manual Integrations
APPROVED

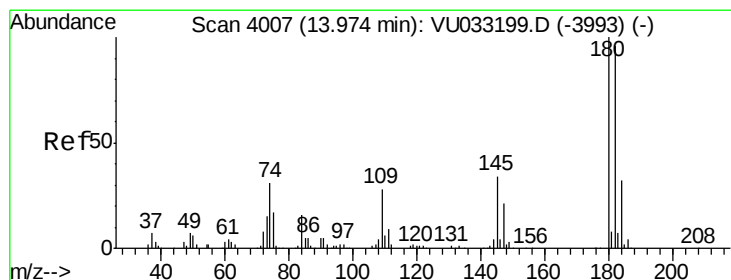


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



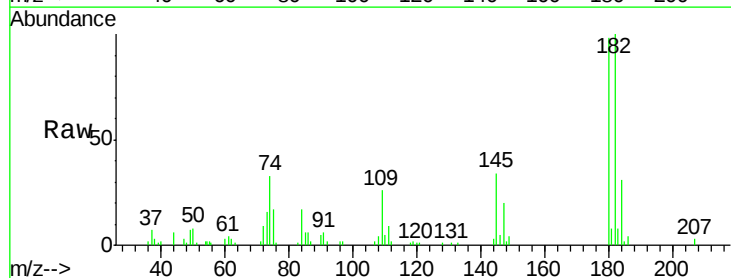
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#90
1,2,3-Trichlorobenzene
Concen: 1.833 ug/l
RT: 13.98 min Scan# 4008
Delta R.T. 0.00 min
Lab File: VU033206.D
Acq: 11 Jul 2019 23:41

Tgt Ion	Ratio	Lower	Upper
180	100		
182	102.0	76.2	114.4
145	34.3	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

