

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U091119\
 Data File : VU034466.D
 Acq On : 11 Sep 2019 09:46
 Operator : JC/SP
 Sample : VSTDIC0.5
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Manual Integrations
 APPROVED

MMDadoda

9/12/2019 4:53:12 PM

Quant Time: Sep 12 02:24:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U091119DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Sep 12 02:05:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.72	96	56647	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.29	95	20964	0.95	ug/l	0.00
Spiked Amount 1.000			Recovery	=	95.00%	
68) 1,2-Dichlorobenzene-d4	11.84	152	23606	1.02	ug/l	0.00
Spiked Amount 1.000			Recovery	=	102.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.20	85	11512	0.499	ug/l	95
3) Chloromethane	1.32	50	13053	0.514	ug/l	95
4) Vinyl Chloride	1.40	62	11809	0.422	ug/l	96
5) Bromomethane	1.63	94	7805	0.447	ug/l	96
6) Chloroethane	1.69	64	6918	0.365	ug/l	93
7) Trichlorofluoromethane	1.88	101	14603	0.385	ug/l	93
8) 1,1,2-Trichloro-1,2,2-trif	2.28	101	8053	0.408	ug/l	97
9) 1,1-Dichloroethene	2.28	96	8271	0.425	ug/l	99
10) Iodomethane	2.40	142	5503	0.216	ug/l	94
11) Allyl Chloride	2.58	41	13621	0.425	ug/l	93
12) Acrylonitrile	2.93	53	3608	0.683	ug/l #	90
13) Acetone	2.32	43	7424	1.641	ug/l	100
14) Carbon Disulfide	2.47	76	28848	0.393	ug/l	97
15) Methylene Chloride	2.69	84	10596	0.408	ug/l	96
16) trans-1,2-Dichloroethene	2.96	96	9224	0.402	ug/l	97
17) 1,1-Dichloroethane	3.42	63	17194	0.530	ug/l	97
18) 2-Butanone	4.27	43	9265	2.064	ug/l	100
19) Cyclohexane	4.97	56	11977m	0.497	ug/l	
20) Methylcyclohexane	6.39	83	12668	0.522	ug/l	94
21) 2,2-Dichloropropane	4.20	77	14911	0.542	ug/l	95
22) cis-1,2-Dichloroethene	4.21	96	9529	0.521	ug/l	95
23) Diethyl Ether	2.10	59	5759	0.350	ug/l	87
24) tert-Butyl Alcohol	2.82	59	12266	4.913	ug/l #	80
25) Methyl tert-Butyl Ether	2.99	73	19077	0.349	ug/l	99
26) Bromochloromethane	4.53	128	4257	0.535	ug/l	96
27) Chloroform	4.66	83	20571	0.564	ug/l	98
28) 1,1,1-Trichloroethane	4.89	97	14028	0.497	ug/l	100
29) 1,1-Dichloropropene	5.12	75	11492	0.491	ug/l	97
30) Carbon Tetrachloride	5.12	117	12216	0.490	ug/l	97
31) Isopropyl Ether	3.56	45	24372	0.582	ug/l	97
32) Ethyl-t-butyl ether	4.05	59	19582	0.497	ug/l	99
33) Tert-Amyl methyl ether	5.57	73	16212	0.467	ug/l	98
34) Propionitrile	4.33	54	2143	1.688	ug/l #	65
35) Benzene	5.37	78	34767	0.511	ug/l	98
36) 1,2-Dichloroethane	5.39	62	9056	0.415	ug/l #	94
37) Trichloroethene	6.17	130	10084	0.555	ug/l	95
38) 1,2-Dichloropropane	6.41	63	9214	0.494	ug/l	97
39) Methacrylonitrile	4.54	41	2143	0.420	ug/l #	66
40) Methyl acrylate	4.42	55	3021m	0.381	ug/l	
41) Tetrahydrofuran	4.64	42	2188	0.859	ug/l #	53
42) 1-Chlorobutane	5.04	56	14463	0.457	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.54	93	4710	0.470	ug/l	94
44) Bromodichloromethane	6.74	83	11671	0.475	ug/l	97
45) 4-Methyl-2-Pentanone	7.45	43	20011	1.964	ug/l	99
46) t-1,4-Dichloro-2-butene	10.50	75	3679m	0.912	ug/l	
47) Methyl methacrylate	6.61	69	6108	0.796	ug/l	98
48) Ethyl methacrylate	8.01	69	5408m	0.398	ug/l	
49) Toluene	7.62	92	18705	0.480	ug/l	100
50) t-1,3-Dichloropropene	7.87	75	9240	0.454	ug/l	98
51) cis-1,3-Dichloropropene	7.25	75	11421	0.468	ug/l	96
52) 1,1,2-Trichloroethane	8.05	97	6103	0.453	ug/l	95
53) 1,3-Dichloropropane	8.23	76	9995	0.438	ug/l	99
54) 2-Hexanone	8.36	43	12858	1.799	ug/l	90
55) Dibromochloromethane	8.45	129	7056	0.445	ug/l	100
56) 1,2-Dibromoethane	8.57	107	5722	0.457	ug/l	96
58) Tetrachloroethene	8.21	164	8854	0.535	ug/l	94
59) Chlorobenzene	9.10	112	21363	0.479	ug/l	97
60) 1,1,1,2-Tetrachloroethane	9.19	131	8463	0.501	ug/l	96
61) Pentachloroethane	11.08	117	7110	0.515	ug/l	93
62) Hexachloroethane	12.12	117	6089	0.462	ug/l	98
63) Ethyl Benzene	9.23	91	31367	0.438	ug/l	99
64) m/p-Xylenes	9.36	106	24665	0.859	ug/l	93
65) o-Xylene	9.76	106	11591	0.422	ug/l	93
66) Styrene	9.77	104	18635	0.402	ug/l	97
67) Bromoform	9.94	173	4362	0.503	ug/l #	95
69) Isopropylbenzene	10.14	105	31000	0.439	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.44	83	8120	0.456	ug/l	99
71) 1,2,3-Trichloropropane	10.47	75	5335m	0.387	ug/l	
72) Bromobenzene	10.44	156	9636	0.516	ug/l	96
73) n-propylbenzene	10.57	120	8805	0.436	ug/l	97
74) 2-Chlorotoluene	10.64	126	8271	0.452	ug/l	100
75) 1,3,5-Trimethylbenzene	10.75	105	26189	0.415	ug/l	99
76) 4-Chlorotoluene	10.76	126	8145	0.429	ug/l	98
77) tert-Butylbenzene	11.08	119	27173	0.450	ug/l	98
78) 1,2,4-Trimethylbenzene	11.13	105	25739	0.399	ug/l	98
79) sec-Butylbenzene	11.30	105	35747	0.434	ug/l	98
81) p-Isopropyltoluene	11.46	119	28469	0.423	ug/l	98
82) 1,3-Dichlorobenzene	11.40	146	18852	0.476	ug/l	95
83) 1,4-Dichlorobenzene	11.49	146	19449	0.497	ug/l	99
84) n-Butylbenzene	11.87	91	27319	0.402	ug/l	92
85) 1,2-Dichlorobenzene	11.86	146	17959	0.487	ug/l	98
86) 1,2-Dibromo-3-Chloropropan	12.64	75	892	0.323	ug/l	98
87) 1,2,4-Trichlorobenzene	13.49	180	8771m	0.399	ug/l	
88) Hexachlorobutadiene	13.67	225	8111	0.576	ug/l	99
89) Naphthalene	13.73	128	9581m	0.265	ug/l	
90) 1,2,3-Trichlorobenzene	13.97	180	7934m	0.374	ug/l	

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

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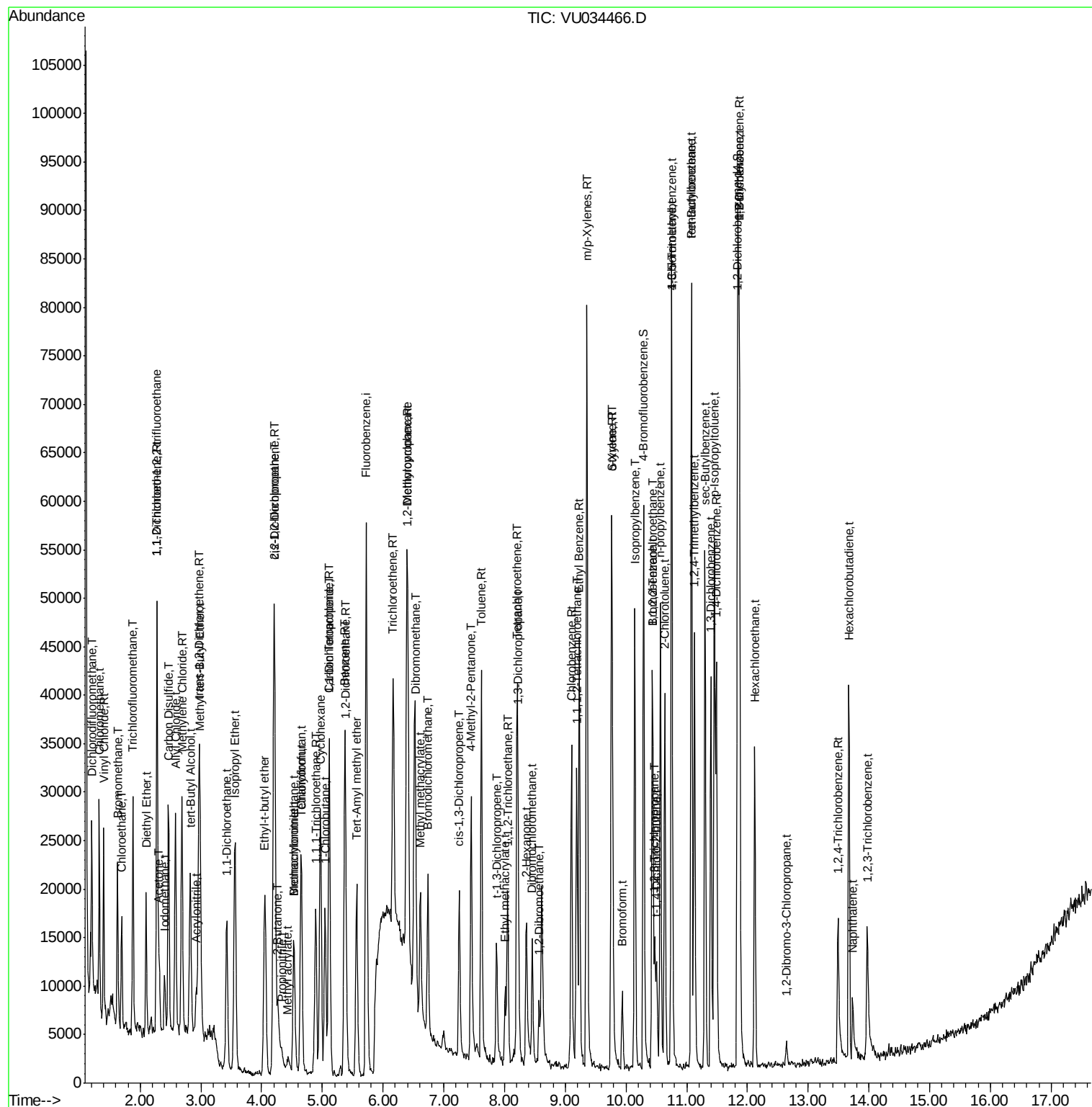
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

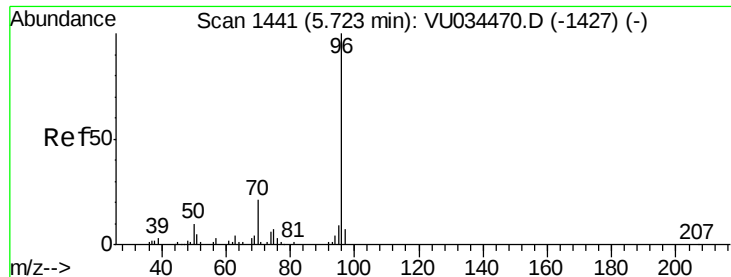
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#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.72 min Scan# 1441

Delta R.T. -0.00 min

Lab File: VU034466.D

Acq: 11 Sep 2019 09:46

Instrument :

MSVOA_U

ClientSampleId :

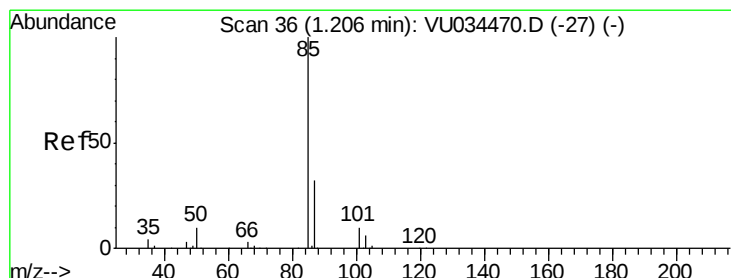
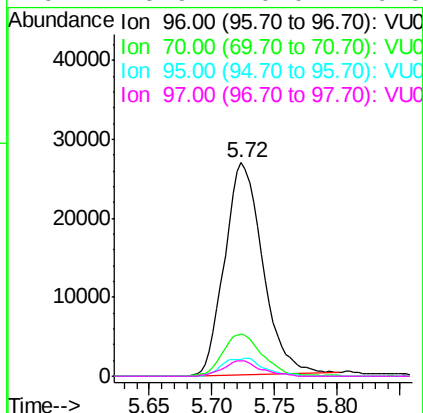
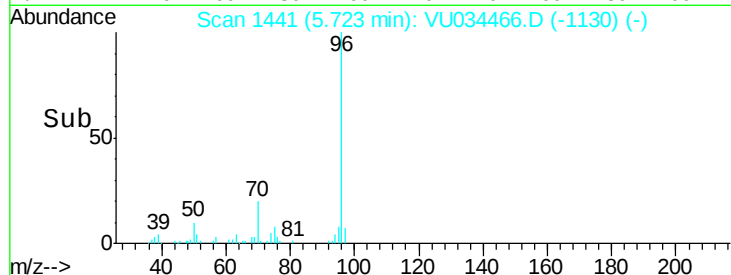
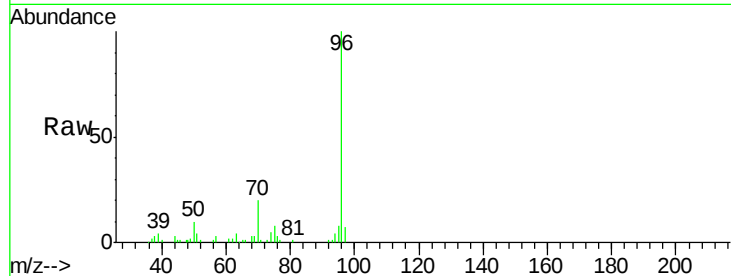
VSTDIC0.5

Tot Ion	Ion	Ratio	Lower	Upper
96	100			
70	20.8	16.5	24.7	
95	9.1	7.0	10.6	
97	6.9	0.0	0.0	

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#2

Dichlorodifluoromethane

Concen: 0.499 ug/l

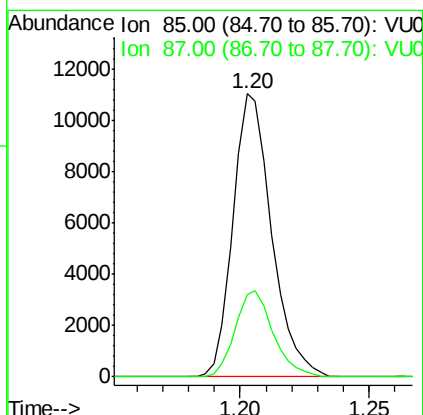
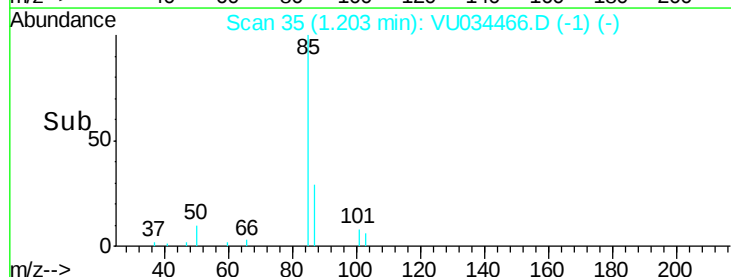
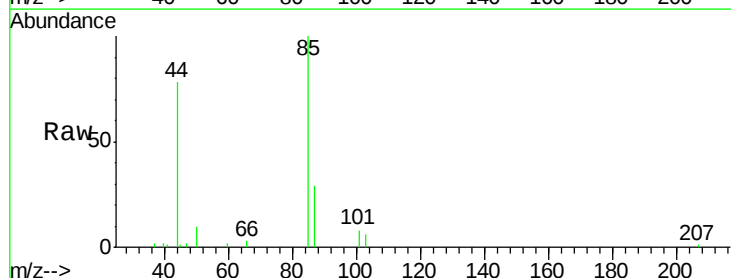
RT: 1.20 min Scan# 35

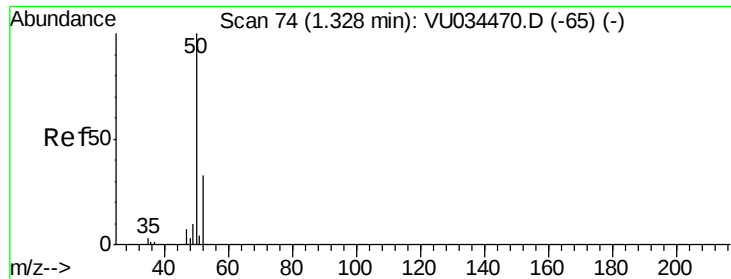
Delta R.T. -0.00 min

Lab File: VU034466.D

Acq: 11 Sep 2019 09:46

Tgt Ion	Ion	Ratio	Lower	Upper
85	100			
87	29.3	16.1	48.3	





#3

Chloromethane

Concen: 0.514 ug/l

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU034466.D

Acq: 11 Sep 2019 09:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 50 Resp: 13053

Ion Ratio Lower Upper

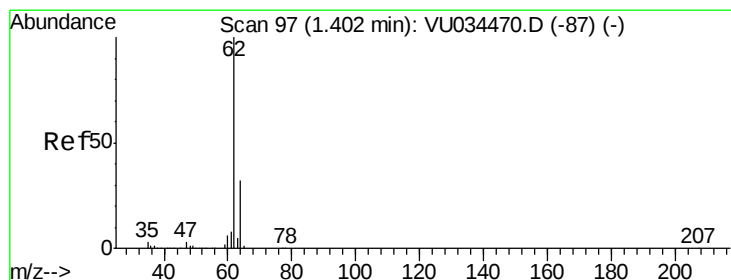
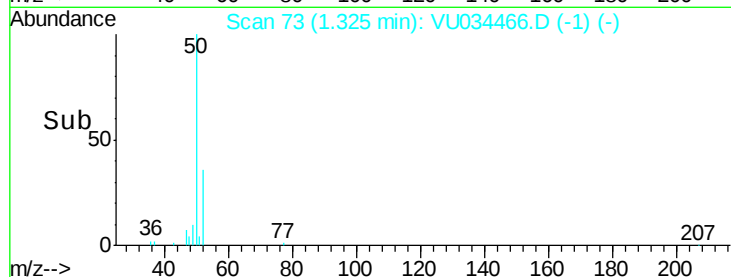
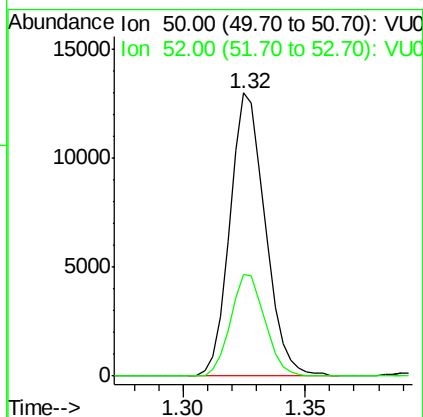
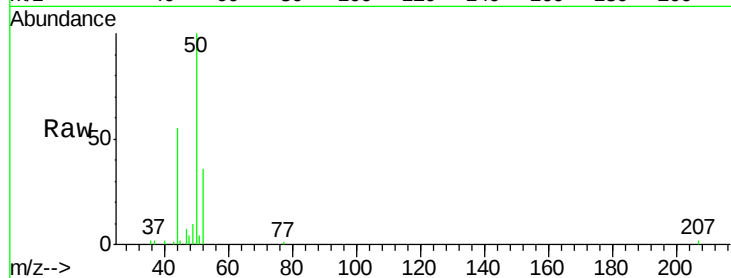
50 100

52 35.8 26.2 39.4

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#4

Vinyl Chloride

Concen: 0.422 ug/l

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU034466.D

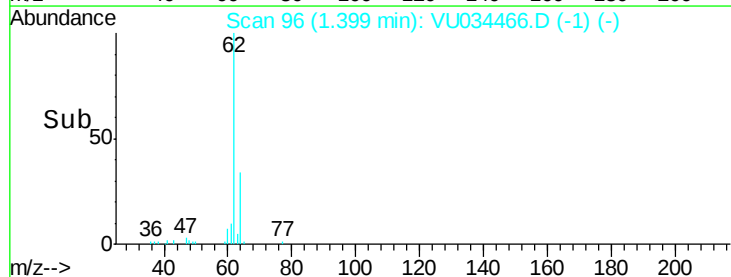
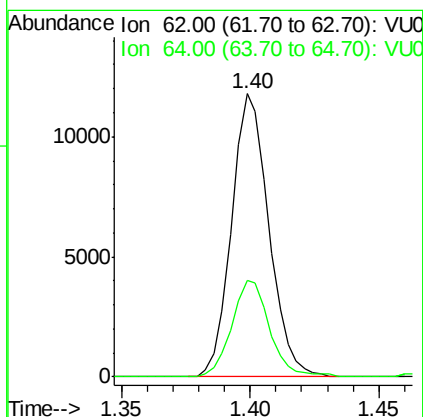
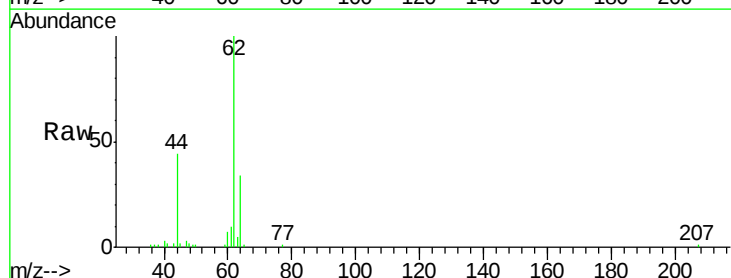
Acq: 11 Sep 2019 09:46

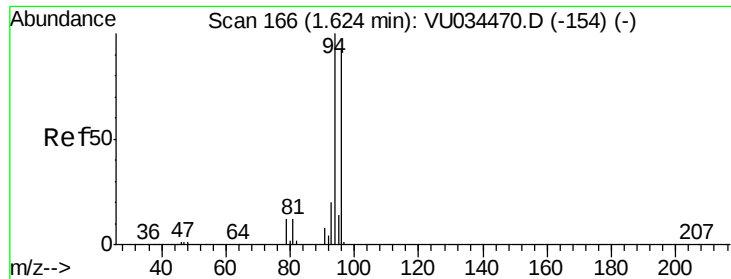
Tgt Ion: 62 Resp: 11809

Ion Ratio Lower Upper

62 100

64 33.9 25.4 38.0





#5

Bromomethane

Concen: 0.447 ug/l

RT: 1.63 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU034466.D

Acq: 11 Sep 2019 09:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 94 Resp: 7805

Ion Ratio Lower Upper

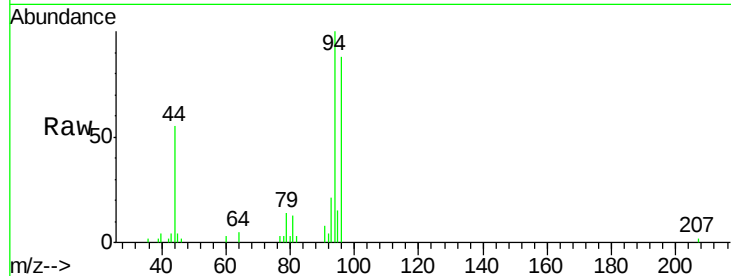
94 100

96 88.4 73.8 110.8

Manual Integrations
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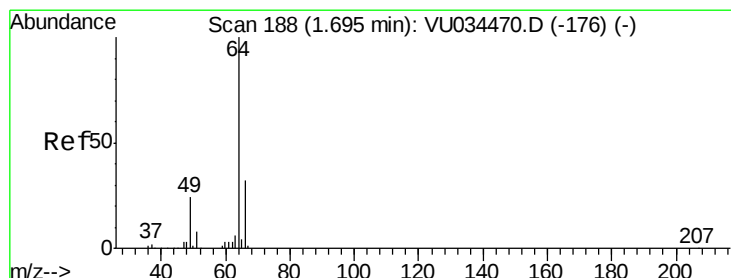
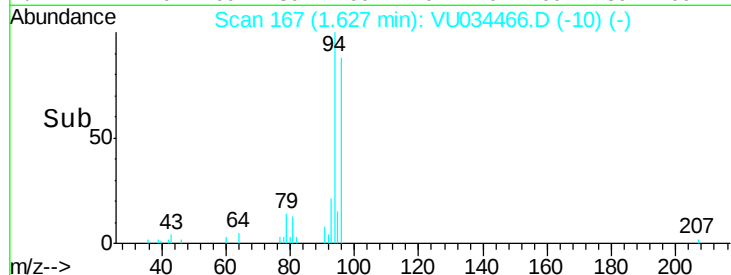
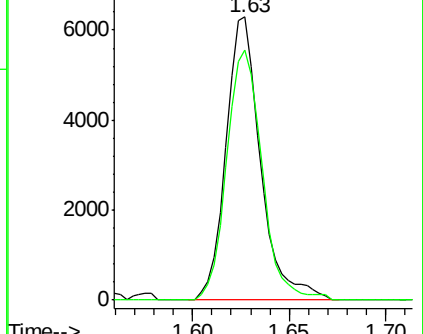
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Abundance Ion 94.00 (93.70 to 94.70): VU034466.D (-10) (-)

Ion 96.00 (95.70 to 96.70): VU034466.D (-10) (-)



#6

Chloroethane

Concen: 0.365 ug/l

RT: 1.69 min Scan# 188

Delta R.T. -0.00 min

Lab File: VU034466.D

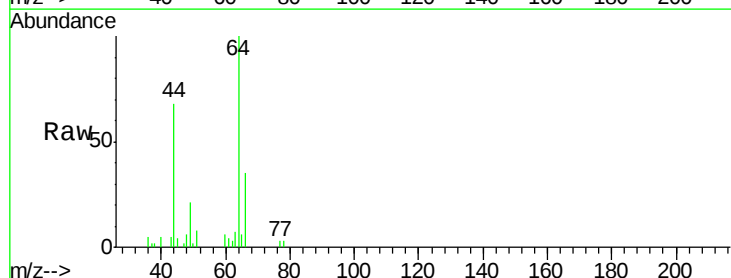
Acq: 11 Sep 2019 09:46

Tgt Ion: 64 Resp: 6918

Ion Ratio Lower Upper

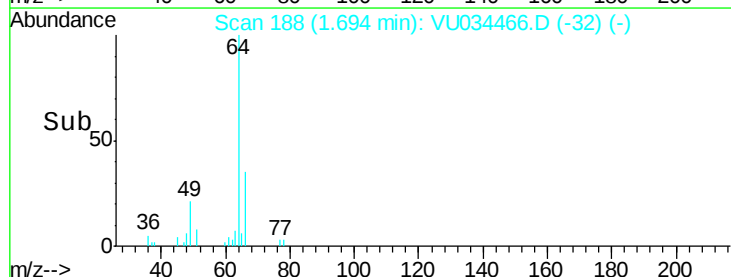
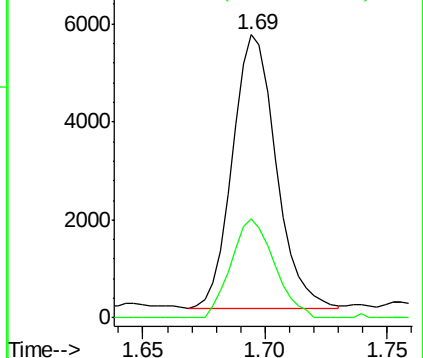
64 100

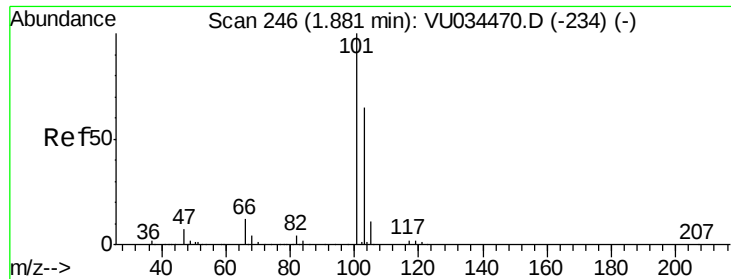
66 36.0 25.8 38.8



Abundance Ion 64.00 (63.70 to 64.70): VU034466.D (-32) (-)

Ion 66.00 (65.70 to 66.70): VU034466.D (-32) (-)





#7

Trichlorofluoromethane
Concen: 0.385 ug/l
RT: 1.88 min Scan# 246
Delta R.T. 0.00 min
Lab File: VU034466.D
Acq: 11 Sep 2019 09:46

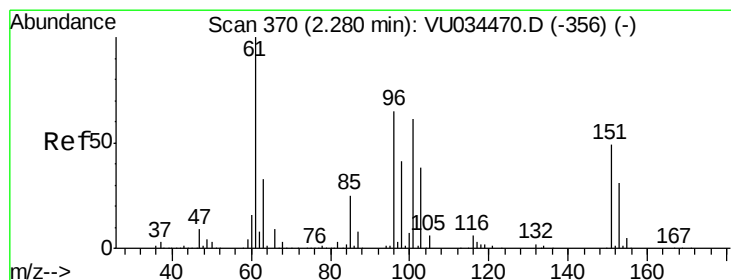
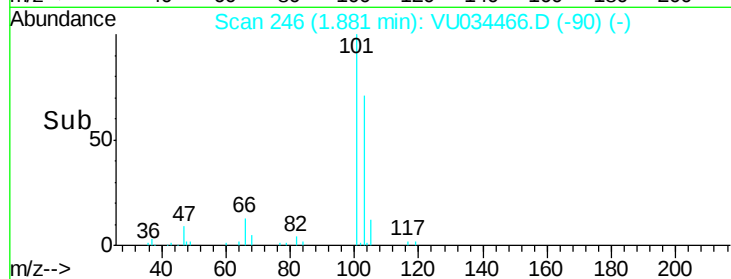
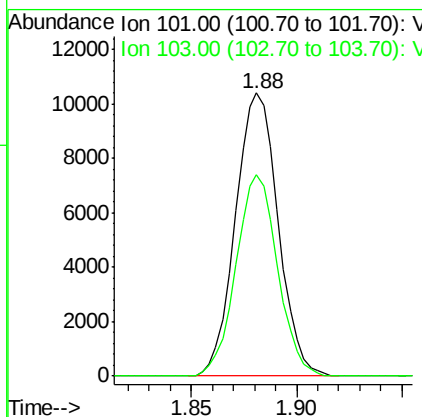
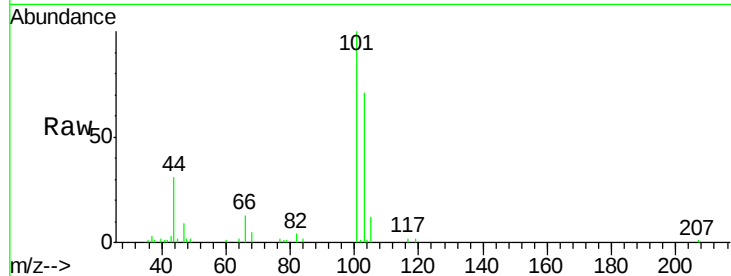
Instrument :
MSVOA_U
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VSTDIC0.5

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	101	100	14603		
103	103	71.1	52.2	78.4	

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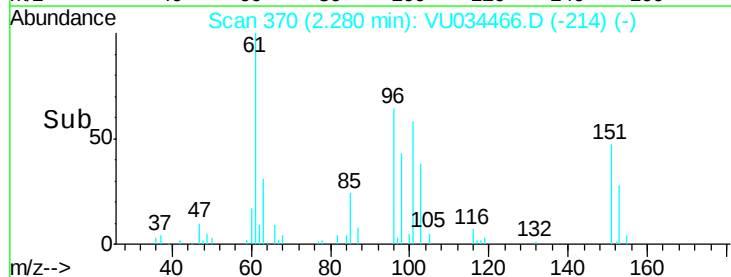
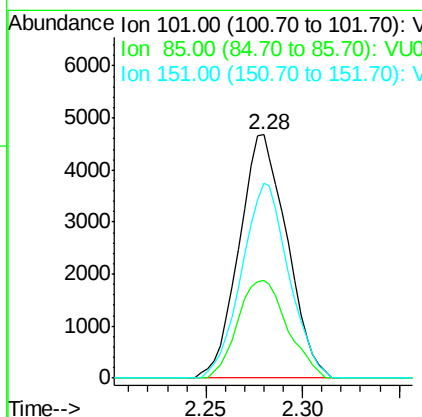
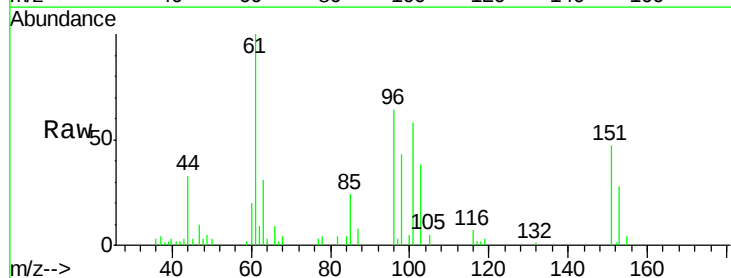
9/12/2019 4:53:12 PM

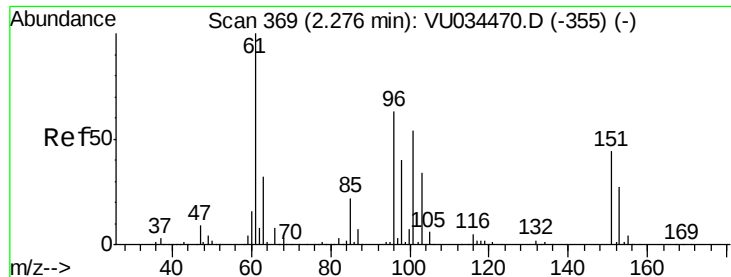


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.408 ug/l
RT: 2.28 min Scan# 370
Delta R.T. -0.00 min
Lab File: VU034466.D
Acq: 11 Sep 2019 09:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
101	101	100	8053		
85	85	41.5	34.2	51.2	
151	151	78.8	65.2	97.8	





#9

1,1-Dichloroethene

Concen: 0.425 ug/l

RT: 2.28 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU034466.D

Acq: 11 Sep 2019 09:46

Instrument :

MSVOA_U

ClientSampleId :

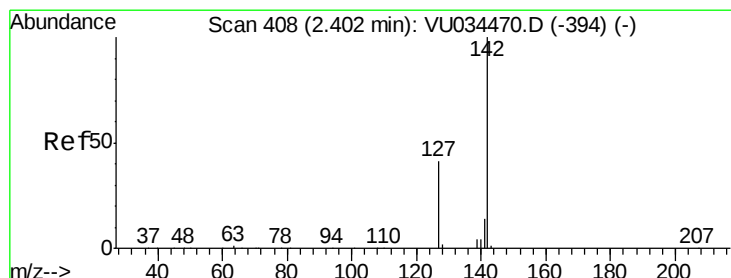
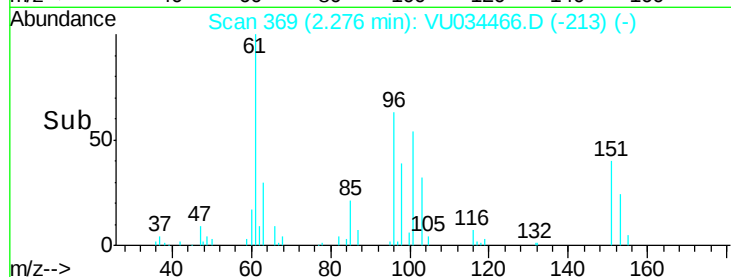
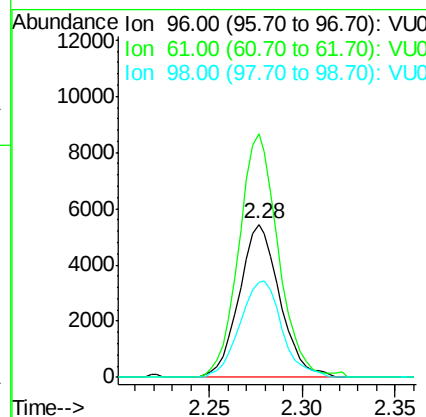
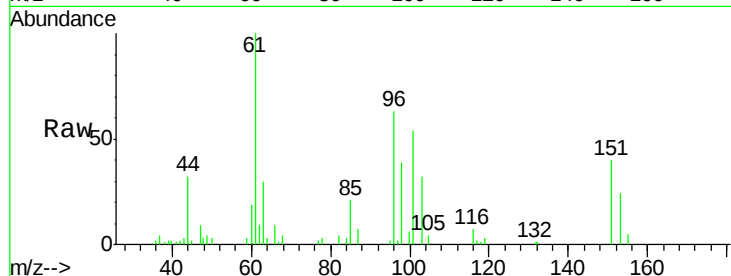
VSTDIC0.5

Tot Ion:	96	Resp:	8271
Ion	Ratio	Lower	Upper
96	100		
61	159.0	0.0	475.5
98	62.3	0.0	127.6

Manual Integrations
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#10

Iodomethane

Concen: 0.216 ug/l

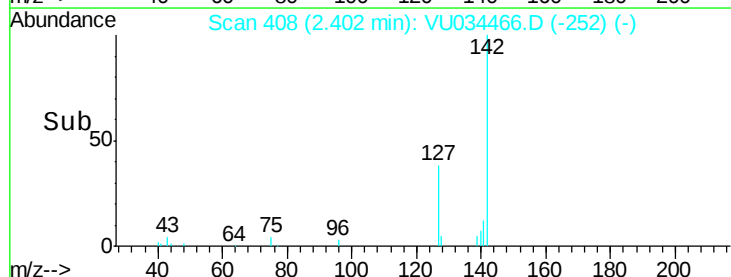
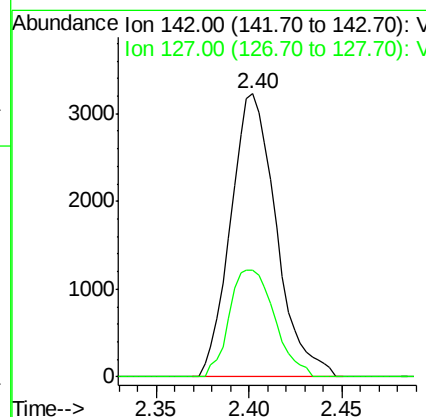
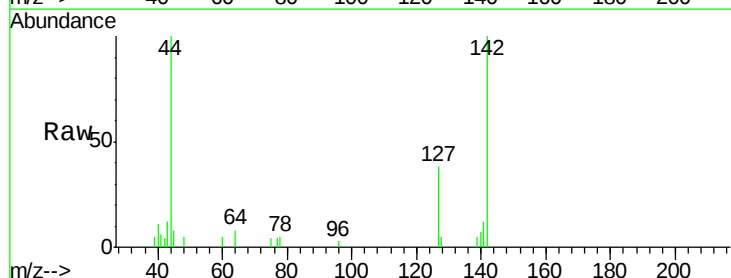
RT: 2.40 min Scan# 408

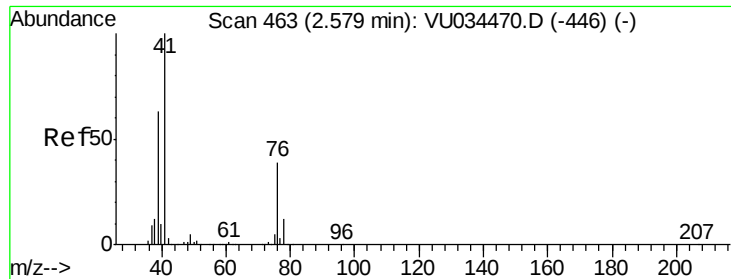
Delta R.T. -0.00 min

Lab File: VU034466.D

Acq: 11 Sep 2019 09:46

Tgt Ion:	142	Resp:	5503
Ion	Ratio	Lower	Upper
142	100		
127	37.4	33.0	49.6





#11
Allvl Chloride
Concen: 0.425 ug/l
RT: 2.58 min Scan# 464
Delta R.T. 0.00 min
Lab File: VU034466.D
Acq: 11 Sep 2019 09:46

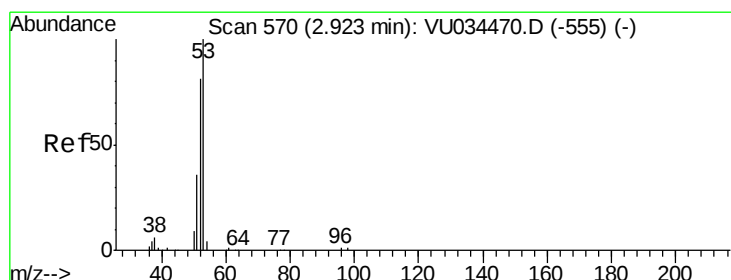
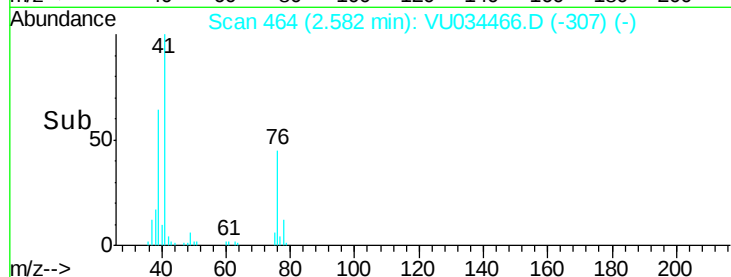
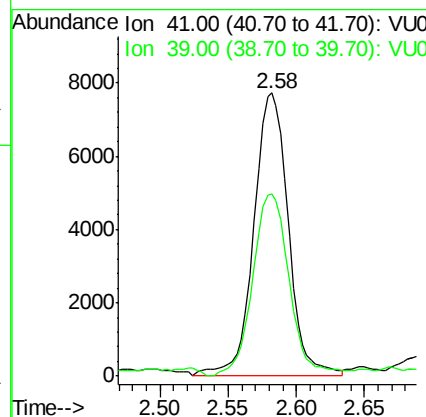
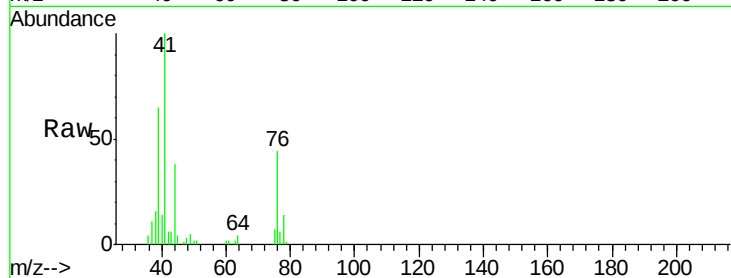
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
41	100		
39	68.2	50.2	75.2

Manual Integrations
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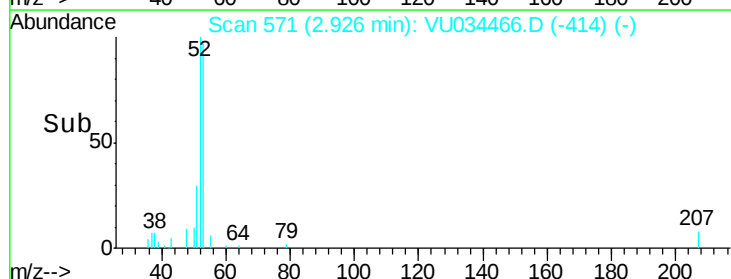
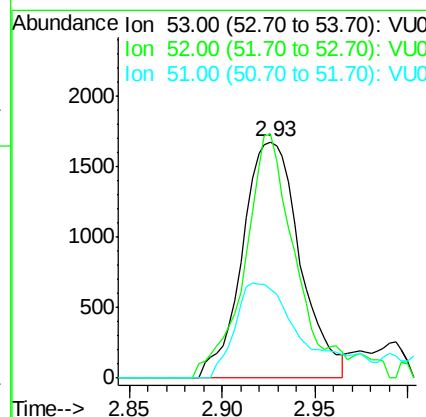
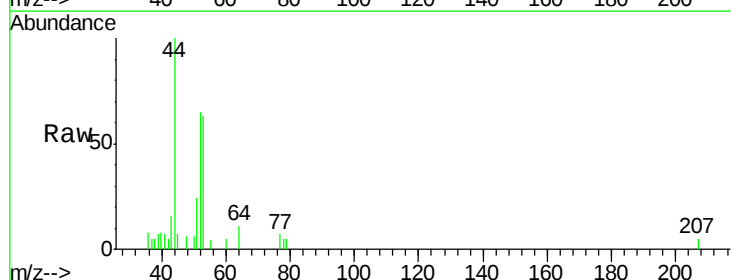
MMDadoda

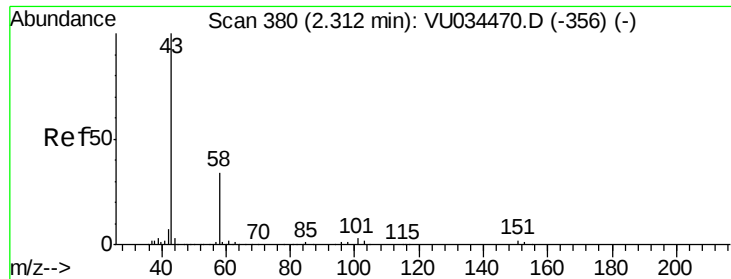
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#12
Acrylonitrile
Concen: 0.683 ug/l
RT: 2.93 min Scan# 571
Delta R.T. 0.00 min
Lab File: VU034466.D
Acq: 11 Sep 2019 09:46

Tgt Ion	Ratio	Lower	Upper
53	100		
52	90.2	66.9	100.3
51	44.6	28.4	42.6#





#13
Acetone
Concen: 1.641 ug/l
RT: 2.32 min Scan# 381
Delta R.T. 0.00 min
Lab File: VU034466.D
Acq: 11 Sep 2019 09:46

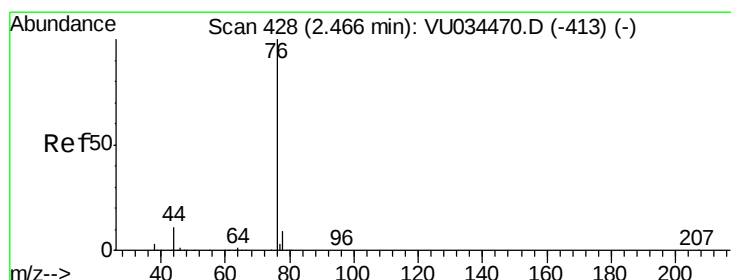
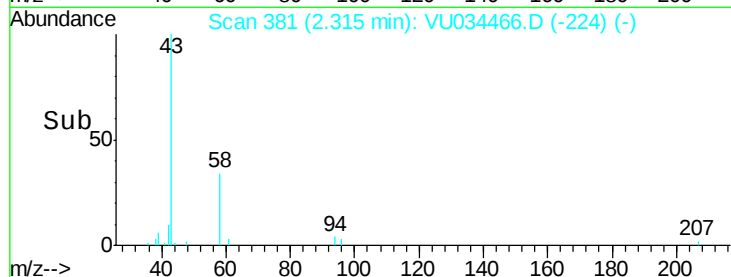
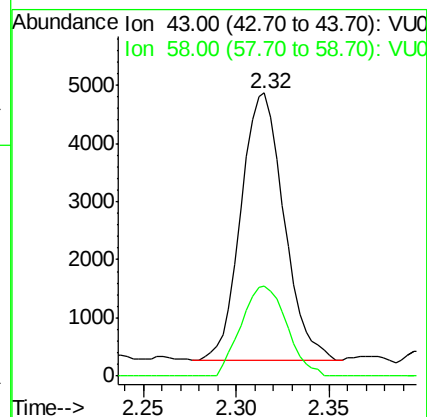
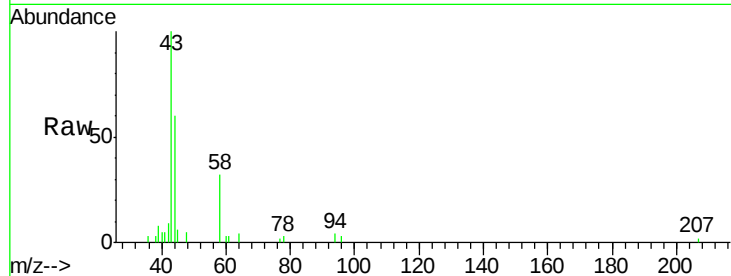
Instrument :
MSVOA_U
ClientSampled :
VSTDIC0.5

Tot Ion: 43 Resp: 7424
Ion Ratio Lower Upper
43 100
58 33.9 26.9 40.3

Manual Integrations
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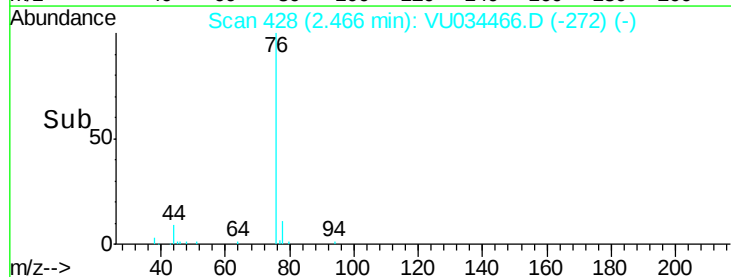
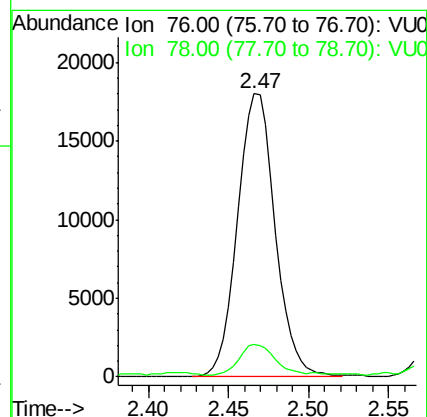
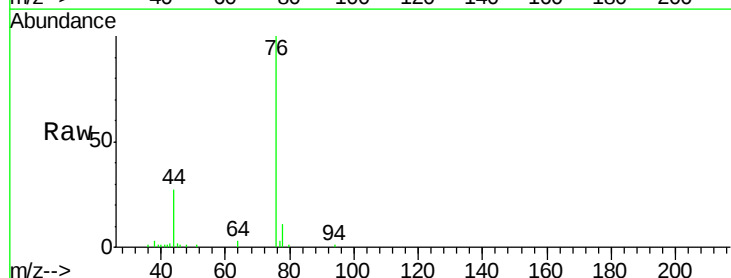
MMDadoda

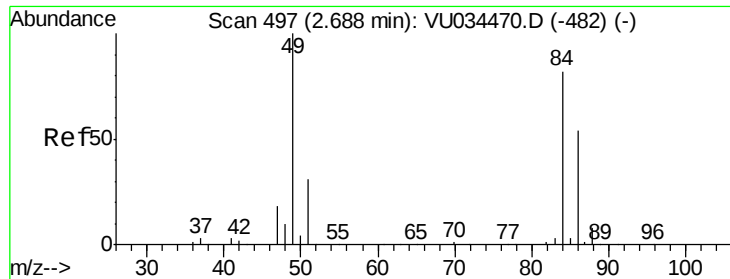
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#14
Carbon Disulfide
Concen: 0.393 ug/l
RT: 2.47 min Scan# 428
Delta R.T. 0.00 min
Lab File: VU034466.D
Acq: 11 Sep 2019 09:46

Tgt Ion: 76 Resp: 28848
Ion Ratio Lower Upper
76 100
78 10.2 7.3 10.9





#15
Methvlene Chloride
Concen: 0.408 ug/l
RT: 2.69 min Scan# 497
Delta R.T. -0.00 min
Lab File: VU034466.D
Acq: 11 Sep 2019 09:46

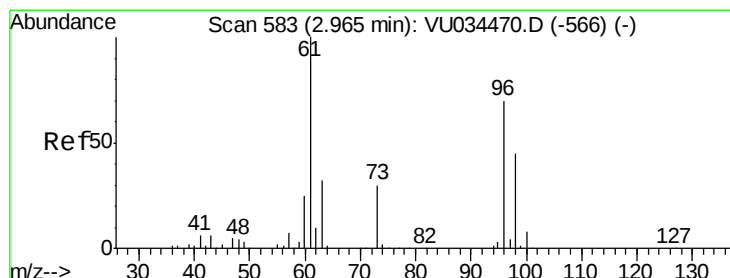
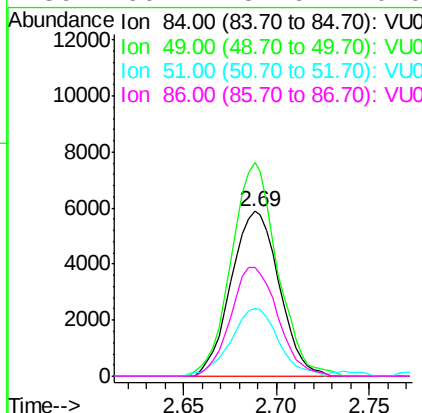
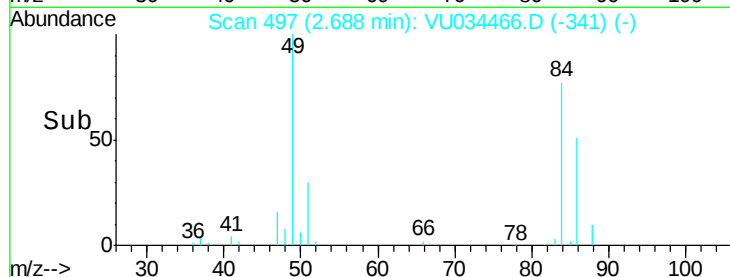
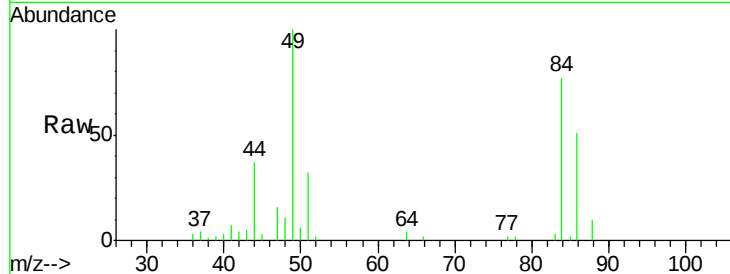
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion:	84	Resp:	10596
Ion	Ratio	Lower	Upper
84	100		
49	129.7	97.8	146.6
51	39.5	0.0	76.4
86	66.2	52.6	79.0

Manual Integrations
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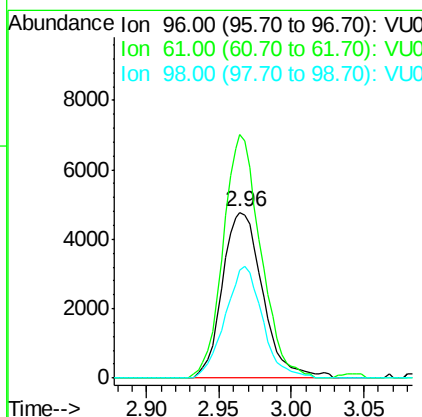
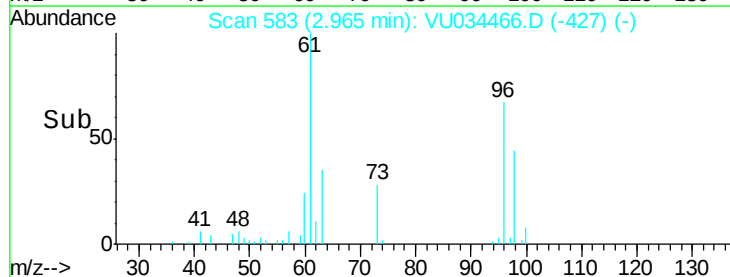
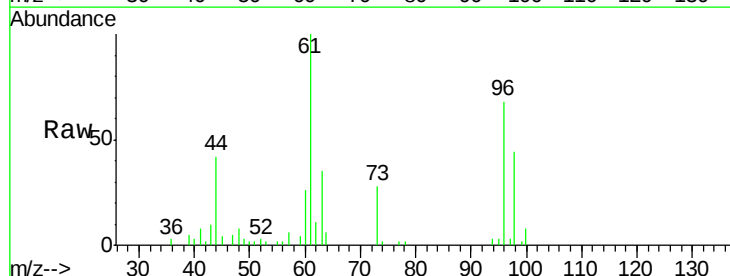
MMDadoda

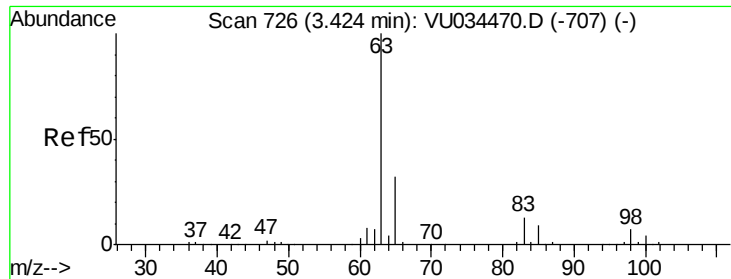
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#16
trans-1,2-Dichloroethene
Concen: 0.402 ug/l
RT: 2.96 min Scan# 583
Delta R.T. -0.00 min
Lab File: VU034466.D
Acq: 11 Sep 2019 09:46

Tgt Ion:	96	Resp:	9224
Ion	Ratio	Lower	Upper
96	100		
61	146.9	114.5	171.7
98	65.3	51.2	76.8





#17
 1,1-Dichloroethane
 Concen: 0.530 ug/l
 RT: 3.42 min Scan# 726
 Delta R.T. -0.00 min
 Lab File: VU034466.D
 Acq: 11 Sep 2019 09:46

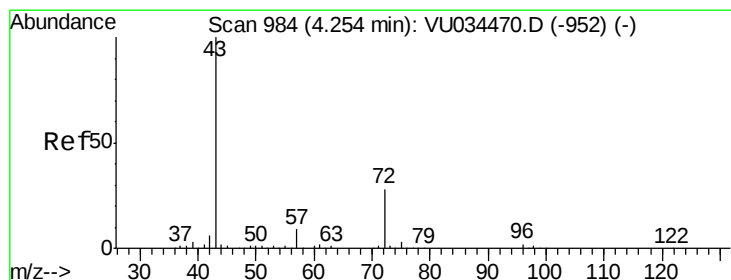
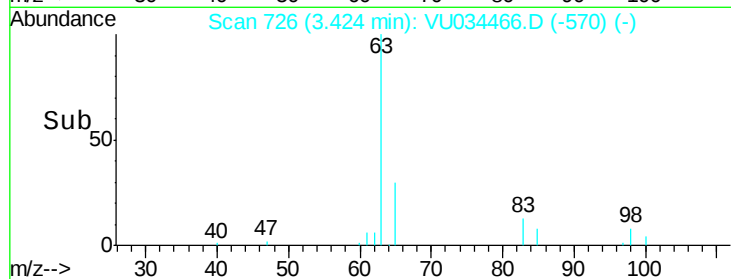
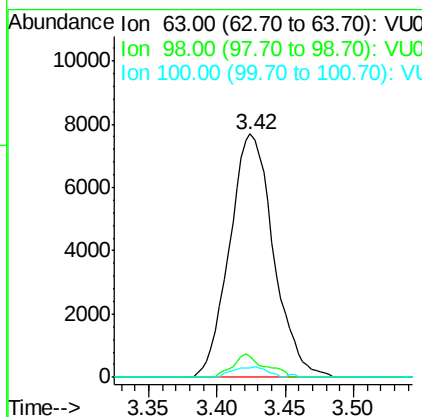
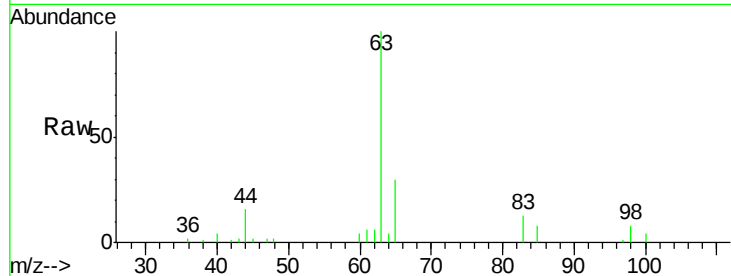
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
63	100		
98	8.5	3.5	10.4
100	4.1	2.3	6.8

Manual Integrations
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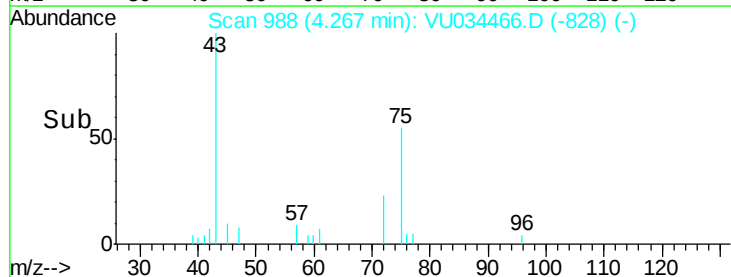
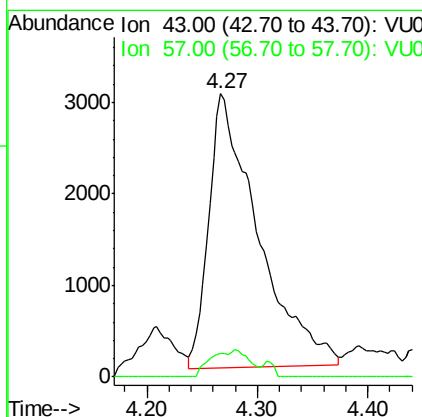
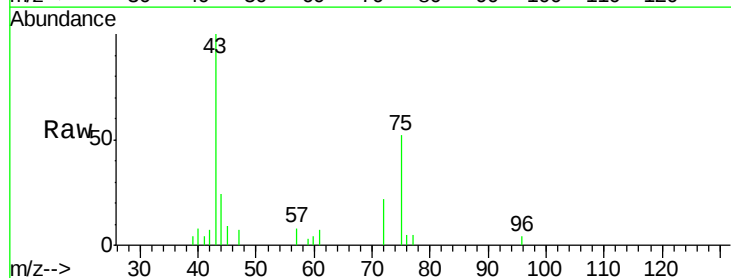
MMDadoda

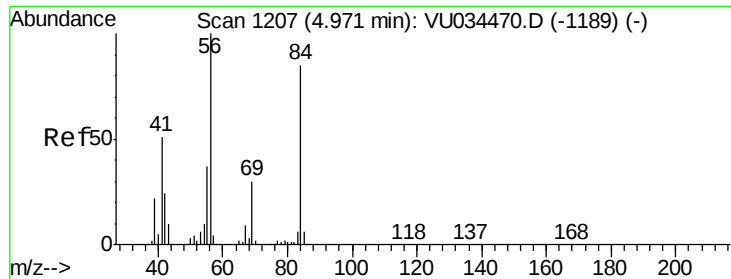
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#18
 2-Butanone
 Concen: 2.064 ug/l
 RT: 4.27 min Scan# 988
 Delta R.T. 0.01 min
 Lab File: VU034466.D
 Acq: 11 Sep 2019 09:46

Tgt Ion	Ratio	Lower	Upper
43	100		
57	9.0	0.0	17.8





#19
Cyclohexane
Concen: 0.497 ug/l m
RT: 4.97 min Scan# 1206
Delta R.T. -0.00 min
Lab File: VU034466.D
Acq: 11 Sep 2019 09:46

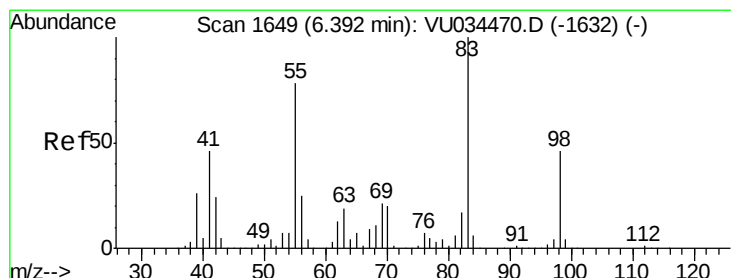
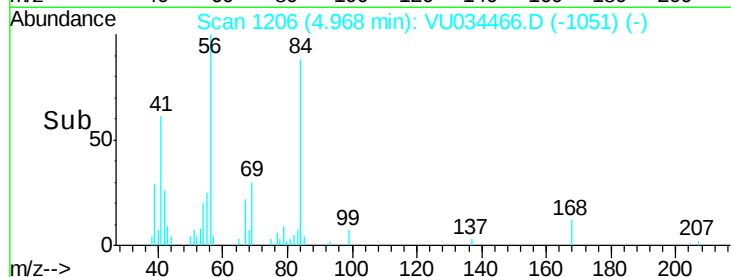
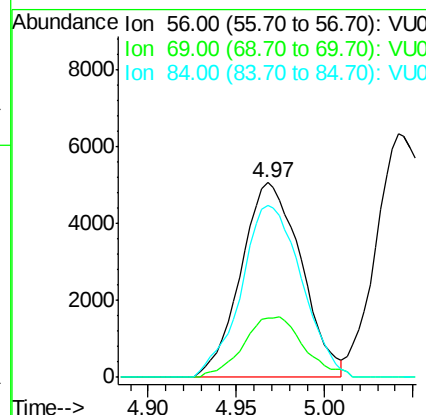
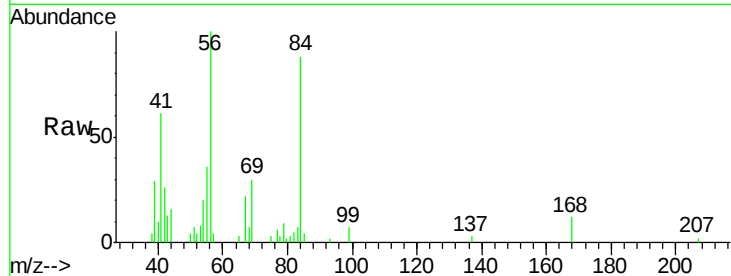
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.1	24.4	36.6
84	88.4	66.9	100.3

Manual Integrations
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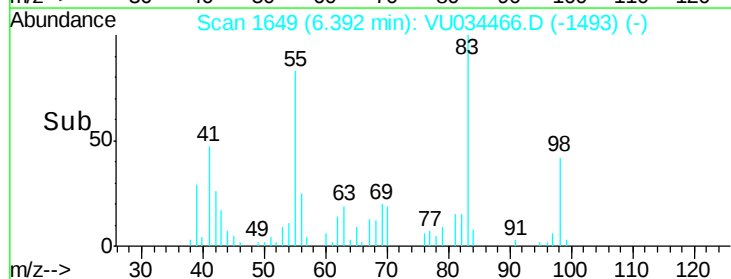
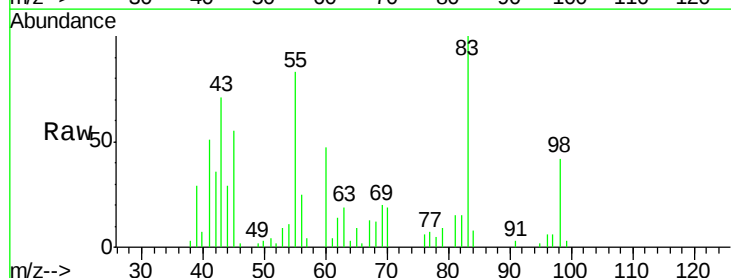
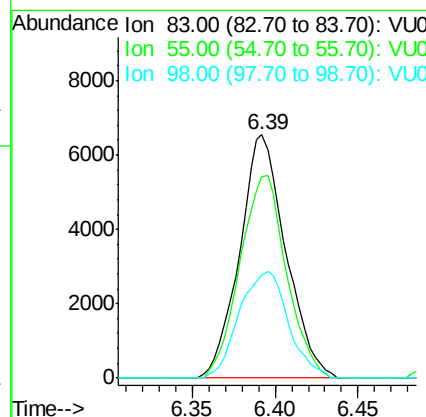
MMDadoda

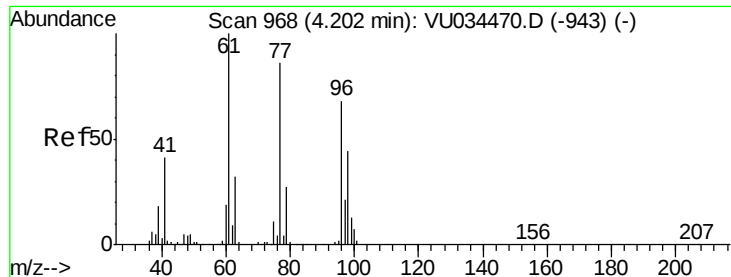
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#20
Methylcyclohexane
Concen: 0.522 ug/l
RT: 6.39 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VU034466.D
Acq: 11 Sep 2019 09:46

Tgt Ion	Ratio	Lower	Upper
83	100		
55	83.7	61.7	92.5
98	46.5	36.0	54.0





#21

2,2-Dichloropropane

Concen: 0.542 ug/l

RT: 4.20 min Scan# 968

Delta R.T. 0.00 min

Lab File: VU034466.D

Acq: 11 Sep 2019 09:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 77 Resp: 14911

Ion Ratio Lower Upper

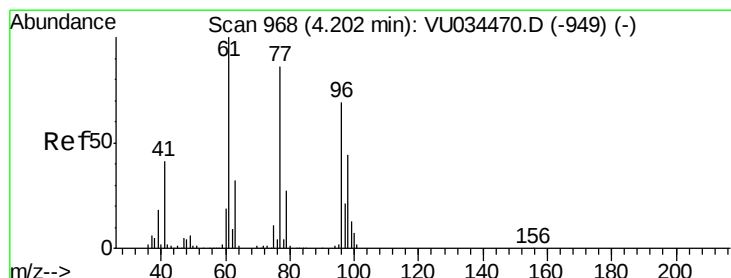
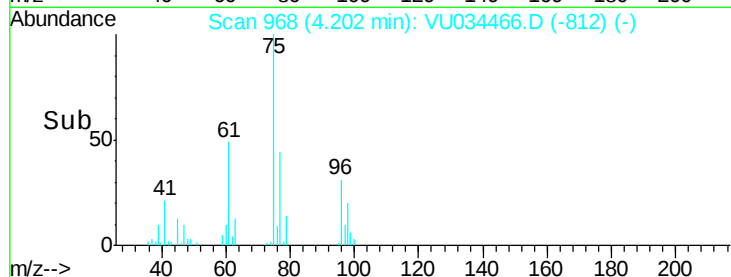
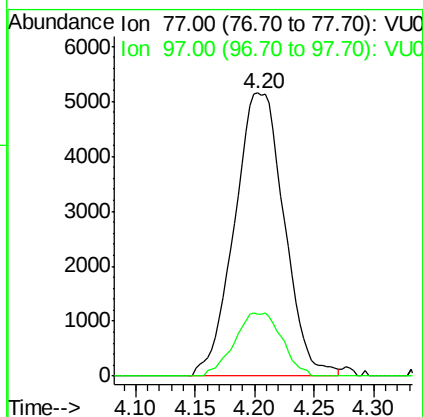
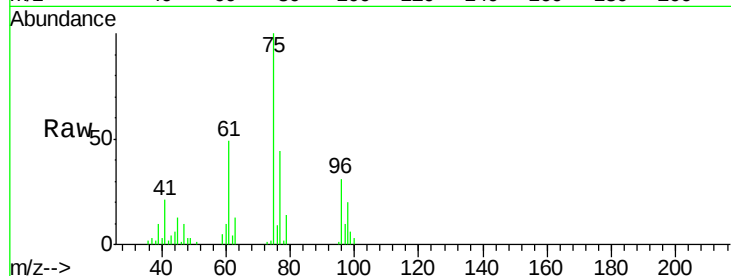
77 100

97 21.2 18.9 28.3

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 0.521 ug/l

RT: 4.21 min Scan# 969

Delta R.T. 0.00 min

Lab File: VU034466.D

Acq: 11 Sep 2019 09:46

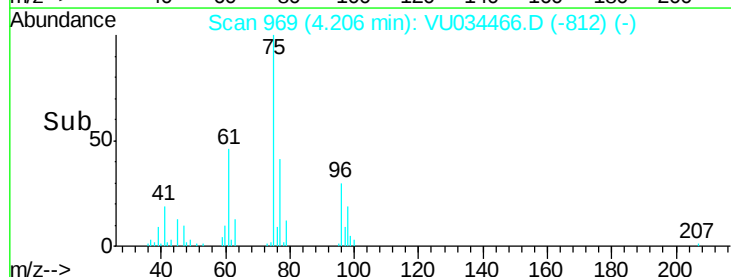
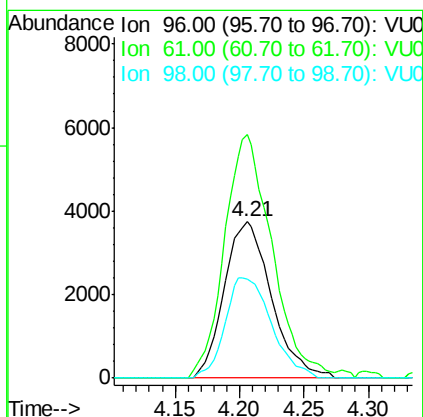
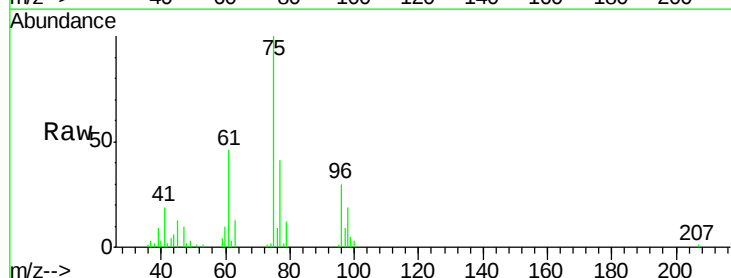
Tgt Ion: 96 Resp: 9529

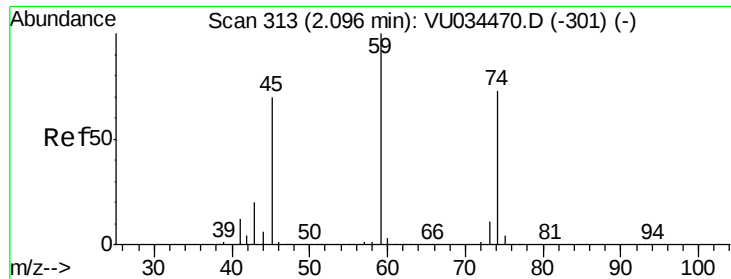
Ion Ratio Lower Upper

96 100

61 156.5 0.0 369.5

98 63.1 32.4 97.2





#23
Diethyl Ether
Concen: 0.350 ug/l
RT: 2.10 min Scan# 313
Delta R.T. -0.00 min
Lab File: VU034466.D
Acq: 11 Sep 2019 09:46

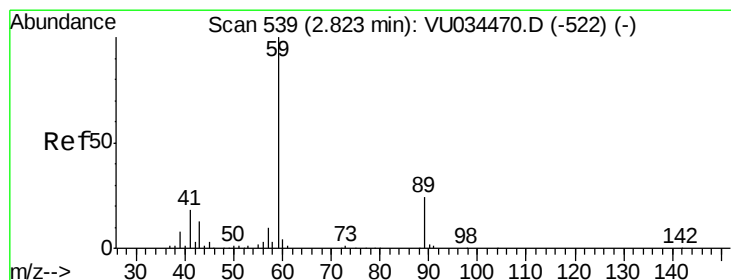
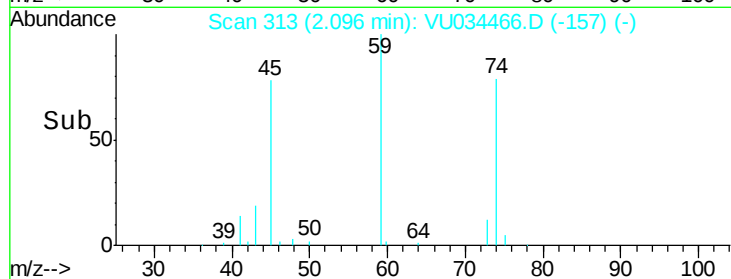
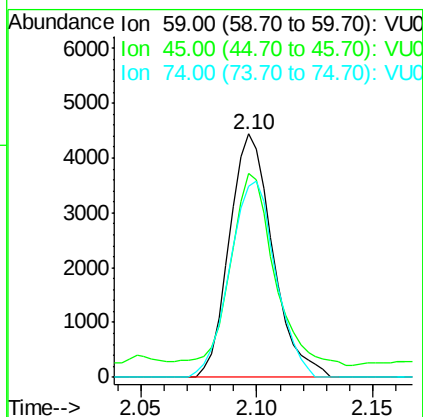
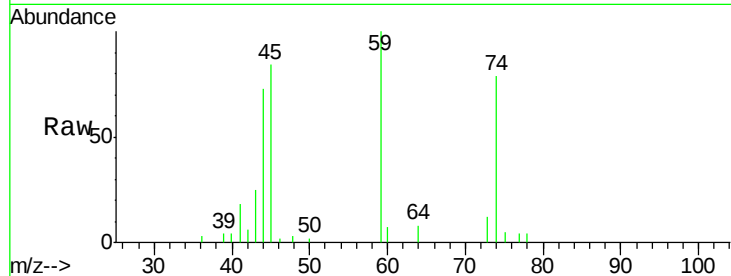
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100			
45	45	79.4		56.3	84.5
74	74	85.1		58.2	87.2

Manual Integrations
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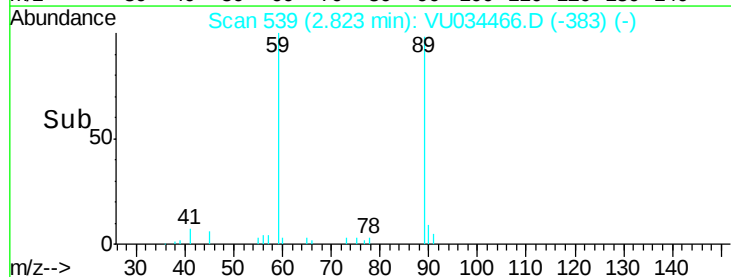
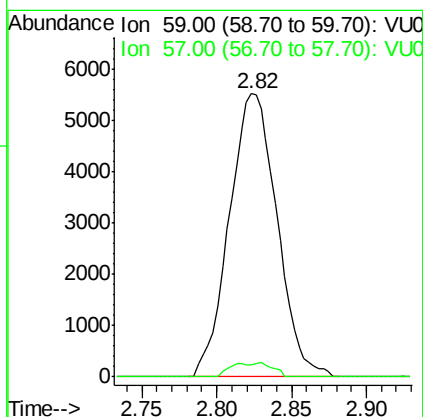
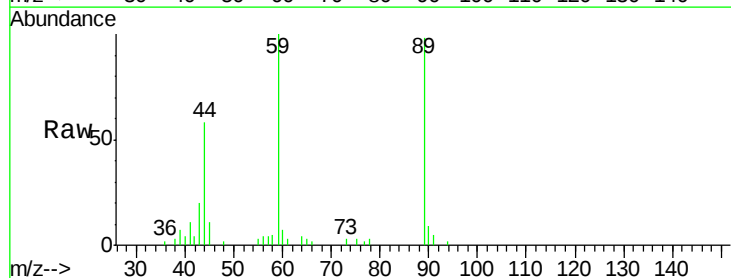
MMDadoda

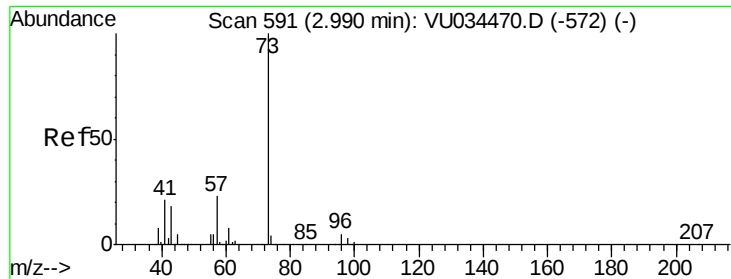
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#24
tert-Butyl Alcohol
Concen: 4.913 ug/l
RT: 2.82 min Scan# 539
Delta R.T. 0.00 min
Lab File: VU034466.D
Acq: 11 Sep 2019 09:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100			
57	57	2.0		7.3	10.9#





#25

Methvl tert-Butvl Ether
 Concen: 0.349 ug/l
 RT: 2.99 min Scan# 591
 Delta R.T. -0.00 min
 Lab File: VU034466.D
 Acq: 11 Sep 2019 09:46

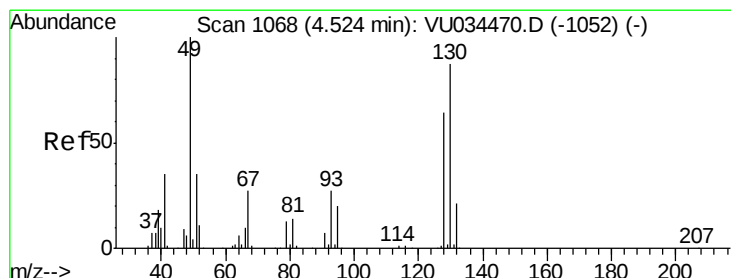
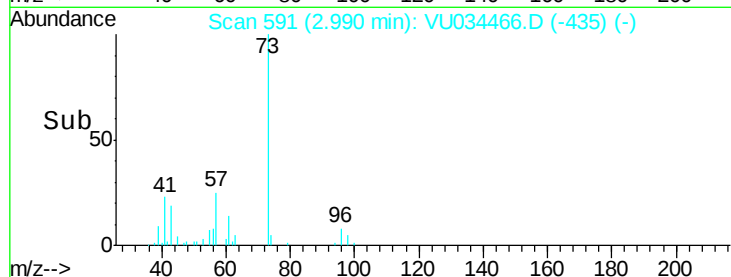
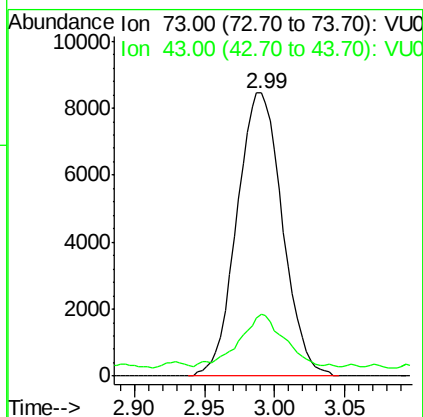
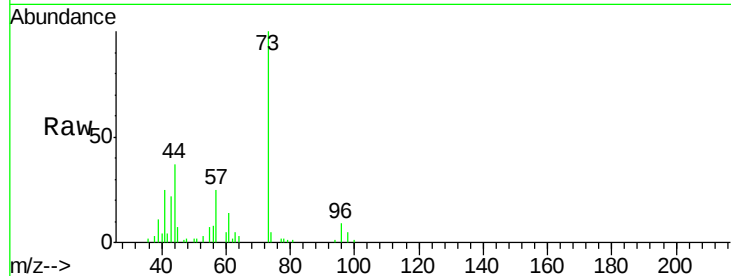
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
73	100		
43	18.7	14.4	21.6

Manual Integrations
 APPROVED

MMDadoda

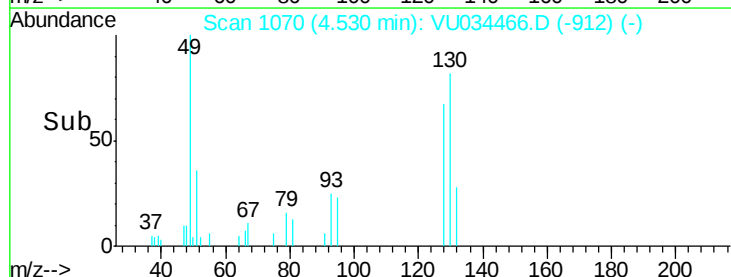
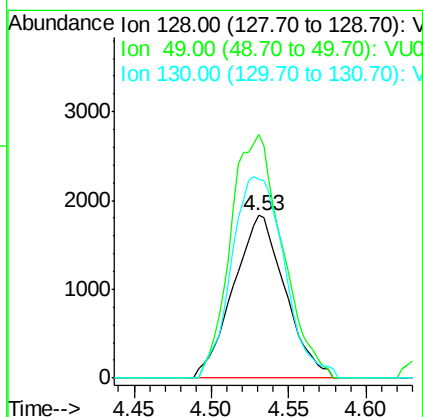
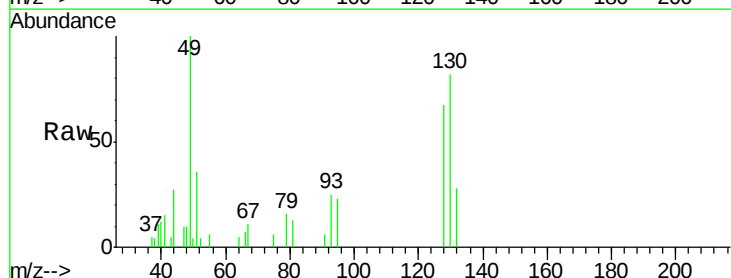
9/12/2019 4:53:12 PM

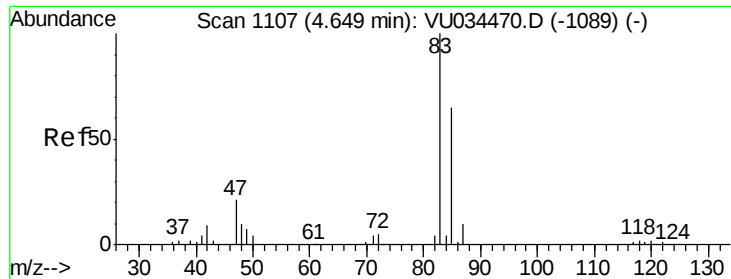


#26

Bromochloromethane
 Concen: 0.535 ug/l
 RT: 4.53 min Scan# 1070
 Delta R.T. 0.01 min
 Lab File: VU034466.D
 Acq: 11 Sep 2019 09:46

Tgt Ion	Ratio	Lower	Upper
128	100		
49	149.5	0.0	309.8
130	126.6	105.0	157.6





#27
Chloroform
Concen: 0.564 ug/l
RT: 4.66 min Scan# 1109
Delta R.T. 0.01 min
Lab File: VU034466.D
Acq: 11 Sep 2019 09:46

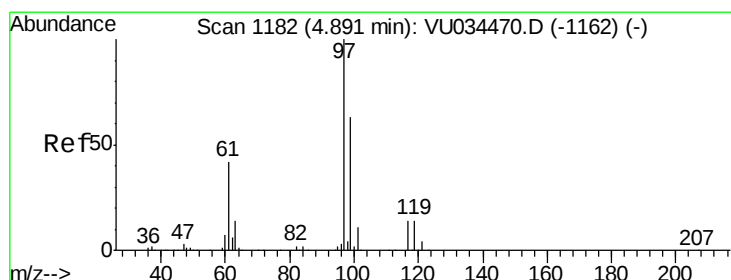
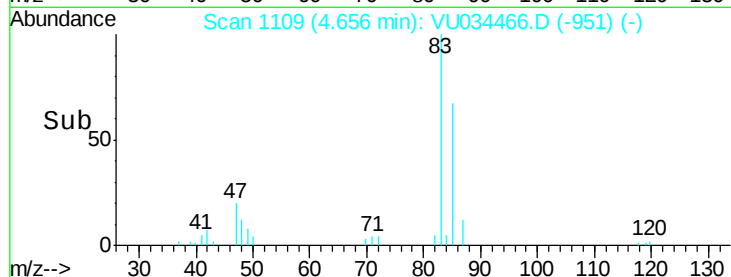
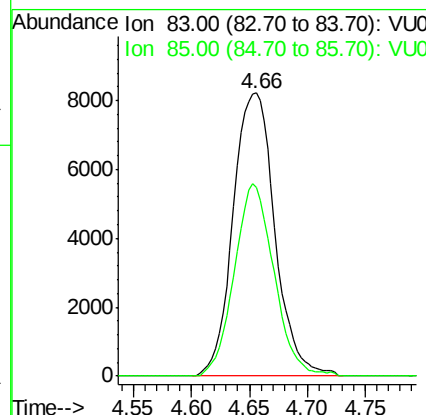
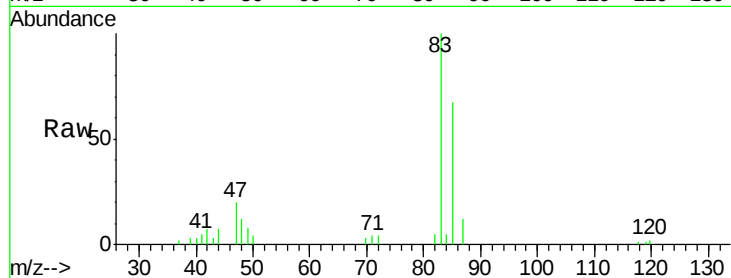
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	83.00	Resp	20571
Ion	Ratio	Lower	Upper
83	100		
85	66.6	0.0	130.2

Manual Integrations
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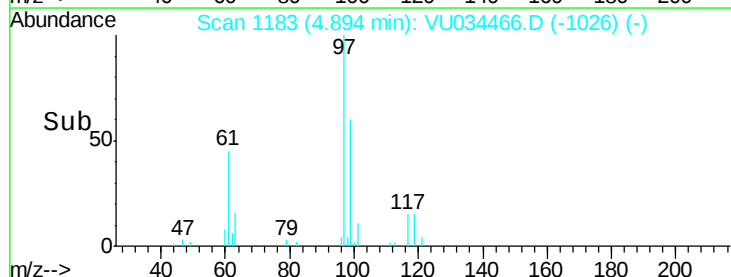
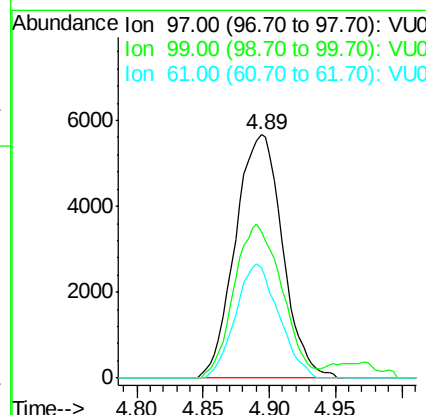
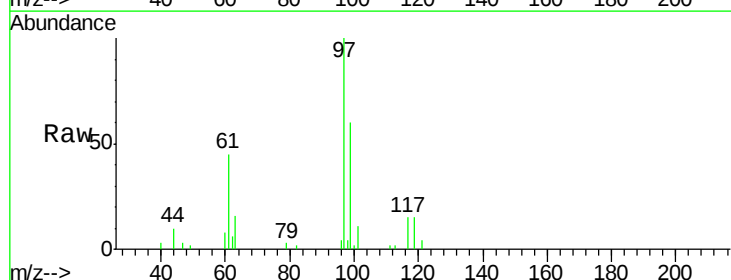
MMDadoda

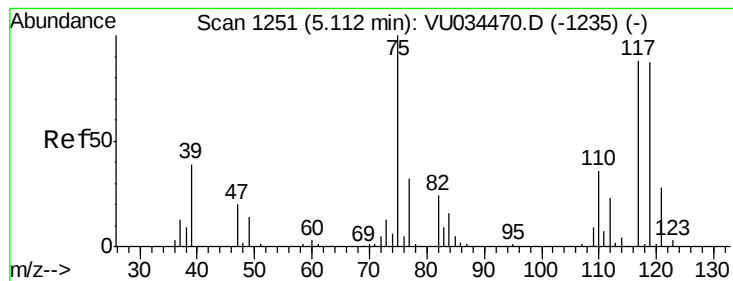
9/12/2019 4:53:12 PM



#28
1,1,1-Trichloroethane
Concen: 0.497 ug/l
RT: 4.89 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VU034466.D
Acq: 11 Sep 2019 09:46

Tgt Ion	97.00	Resp	14028
Ion	Ratio	Lower	Upper
97	100		
99	64.2	32.0	96.2
61	43.0	21.4	64.3





#29

1,1-Dichloropropene

Concen: 0.491 ug/l

RT: 5.12 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VU034466.D

Acq: 11 Sep 2019 09:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 75 Resp: 11492

Ion Ratio Lower Upper

75 100

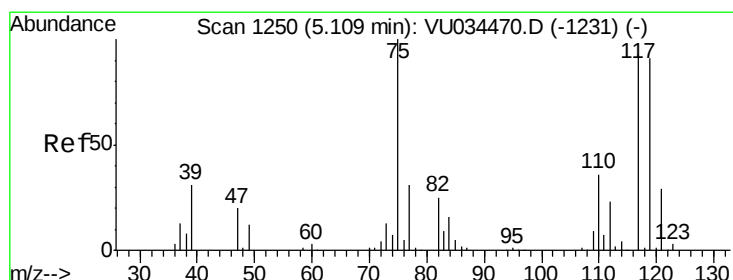
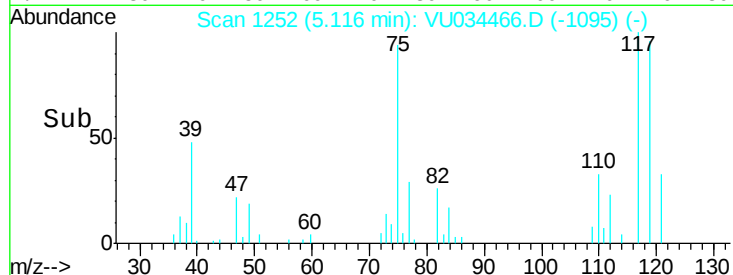
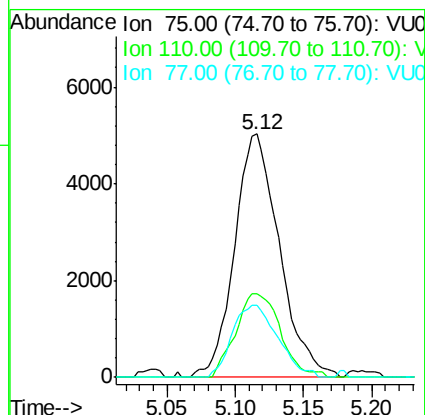
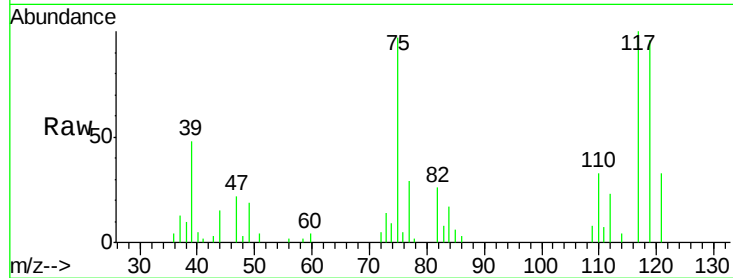
110 34.4 18.4 55.2

77 30.1 25.0 37.6

Manual Integrations
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#30

Carbon Tetrachloride

Concen: 0.490 ug/l

RT: 5.12 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VU034466.D

Acq: 11 Sep 2019 09:46

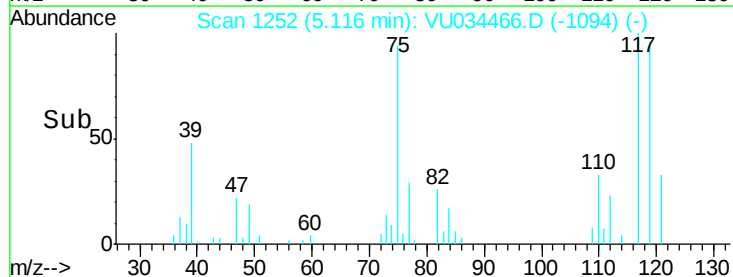
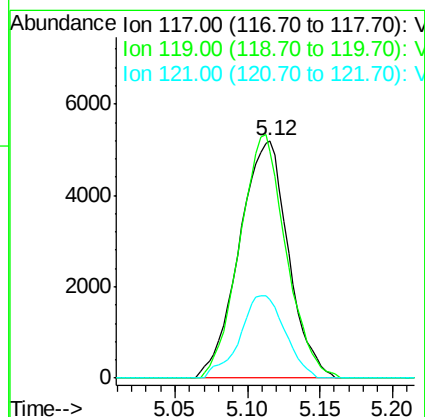
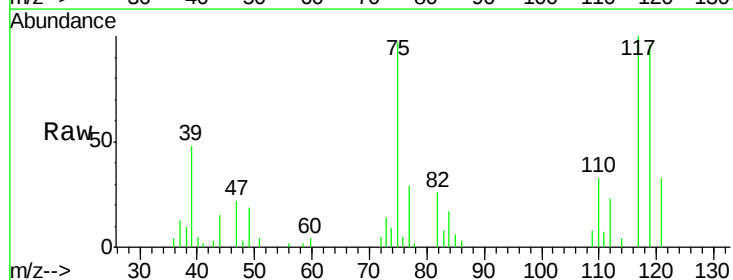
Tgt Ion: 117 Resp: 12216

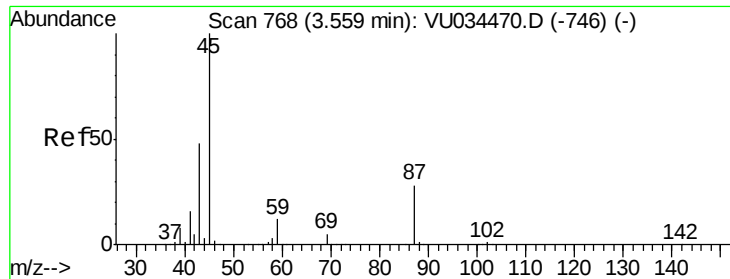
Ion Ratio Lower Upper

117 100

119 95.6 78.5 117.7

121 33.1 25.3 37.9





#31

Isopropyl Ether

Concen: 0.582 ug/l

RT: 3.56 min Scan# 768

Delta R.T. -0.00 min

Lab File: VU034466.D

Acq: 11 Sep 2019 09:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 45 Resp: 24372

Ion Ratio Lower Upper

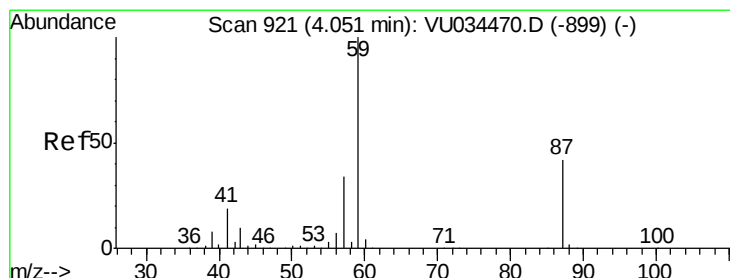
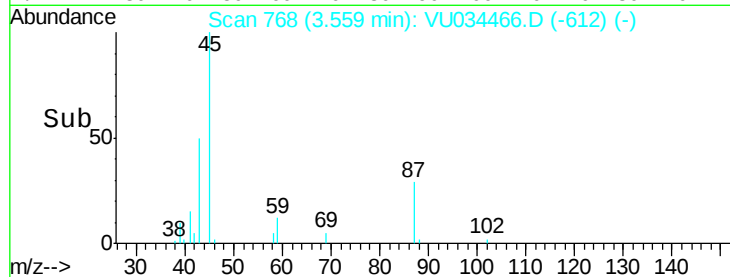
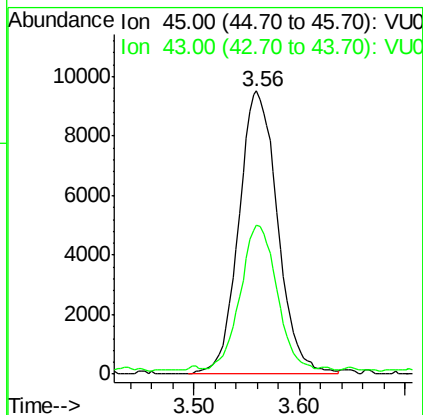
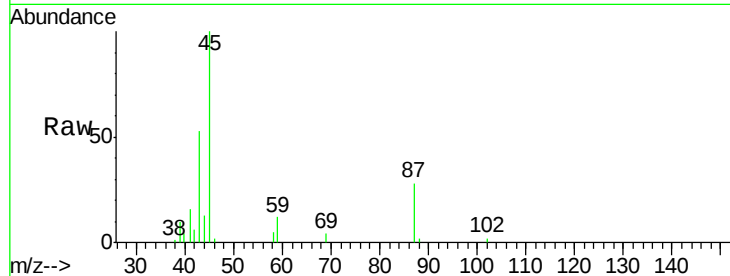
45 100

43 47.3 24.8 74.3

Manual Integrations
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#32

Ethyl-t-butyl ether

Concen: 0.497 ug/l

RT: 4.05 min Scan# 921

Delta R.T. -0.00 min

Lab File: VU034466.D

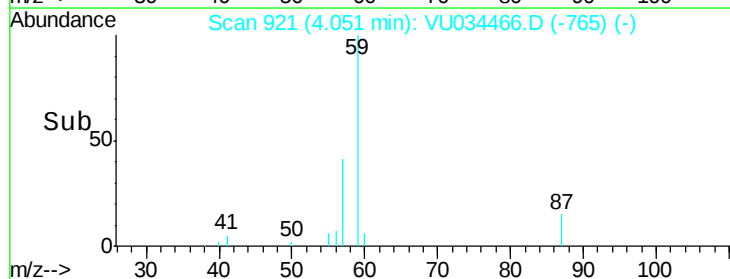
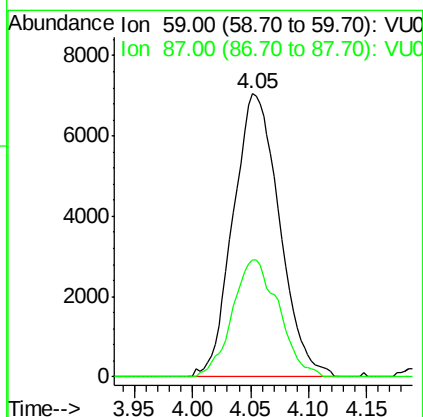
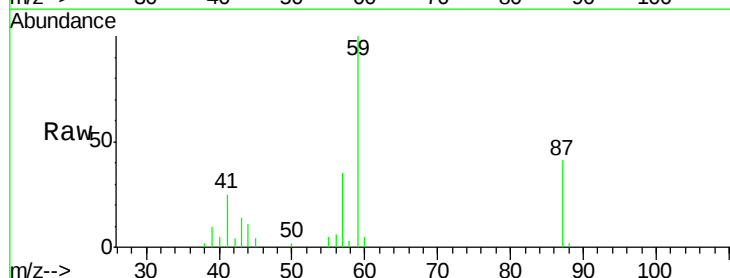
Acq: 11 Sep 2019 09:46

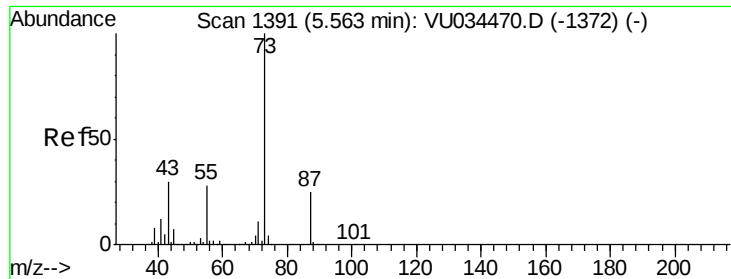
Tgt Ion: 59 Resp: 19582

Ion Ratio Lower Upper

59 100

87 41.3 33.6 50.4





#33
Tert-Amvl methvl ether
Concen: 0.467 ug/l
RT: 5.57 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VU034466.D
Acq: 11 Sep 2019 09:46

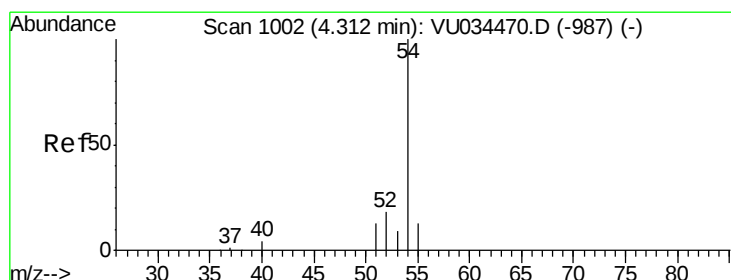
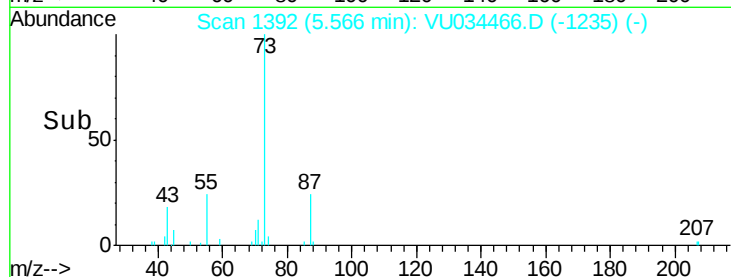
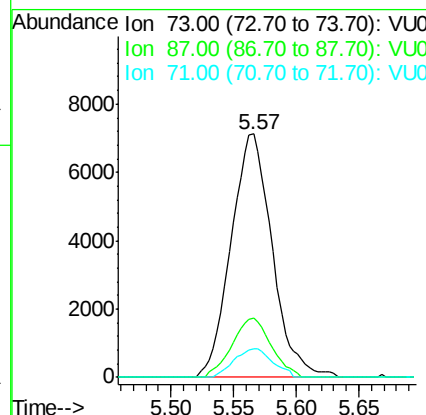
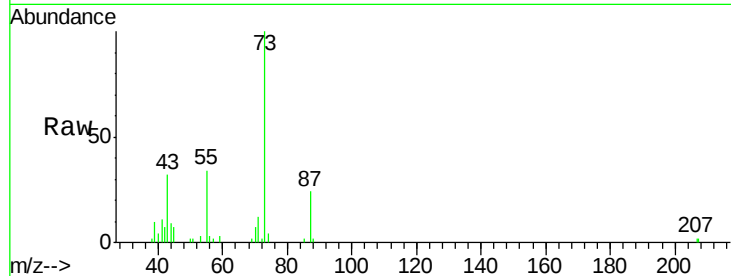
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
73	100		
87	23.2	19.4	29.0
71	11.0	9.3	13.9

Manual Integrations
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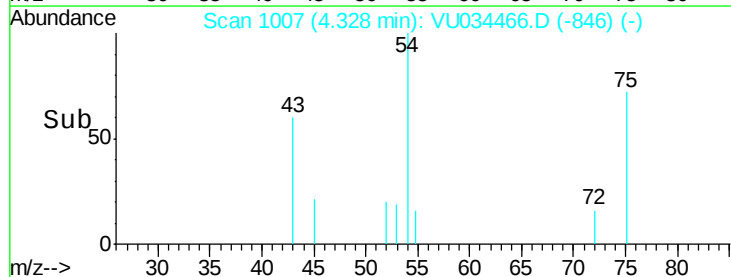
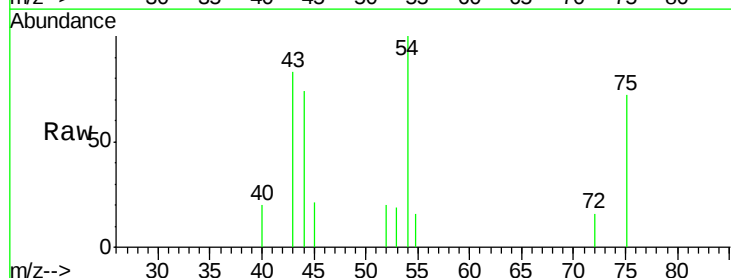
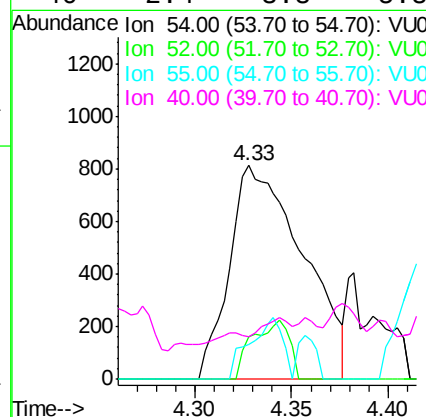
MMDadoda

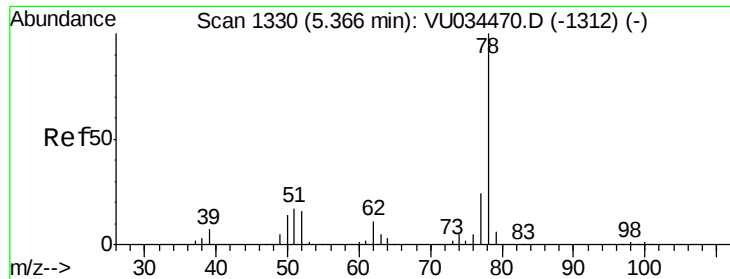
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#34
Propionitrile
Concen: 1.688 ug/l
RT: 4.33 min Scan# 1007
Delta R.T. 0.02 min
Lab File: VU034466.D
Acq: 11 Sep 2019 09:46

Tgt Ion	Ratio	Lower	Upper
54	100		
52	0.0	14.1	21.1#
55	0.0	13.3	19.9#
40	2.4	3.8	5.8#





#35
Benzene
Concen: 0.511 ug/l
RT: 5.37 min Scan# 1331
Delta R.T. 0.00 min
Lab File: VU034466.D
Acq: 11 Sep 2019 09:46

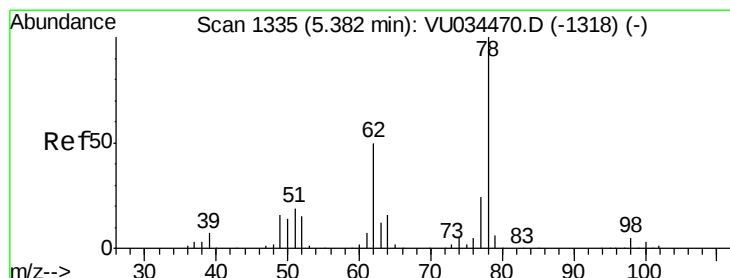
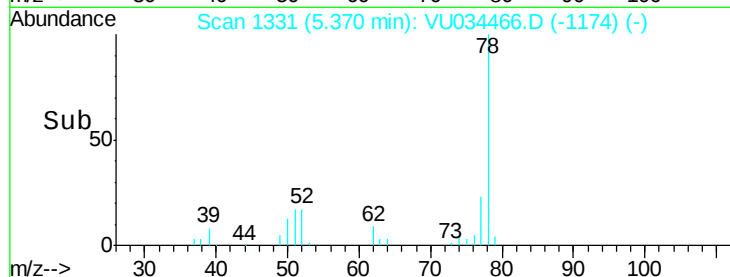
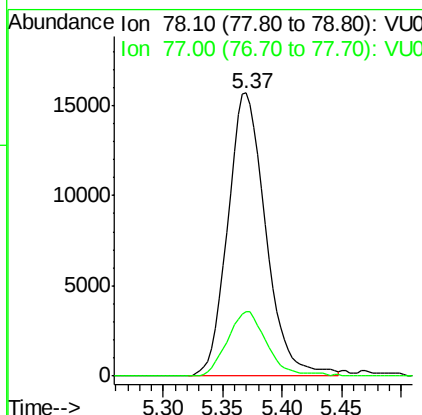
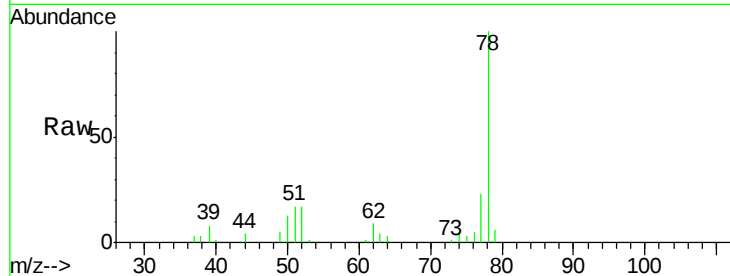
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
78	100		
77	22.9	19.3	28.9

Manual Integrations
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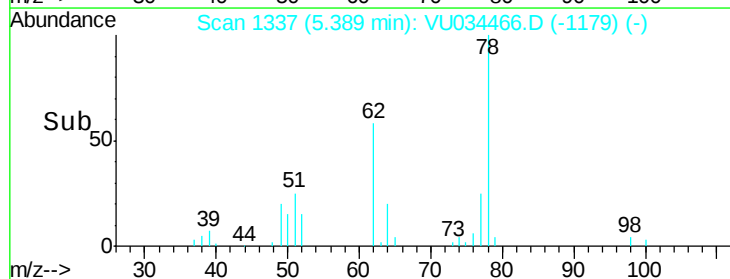
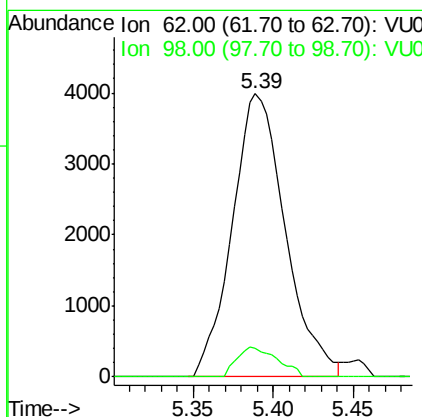
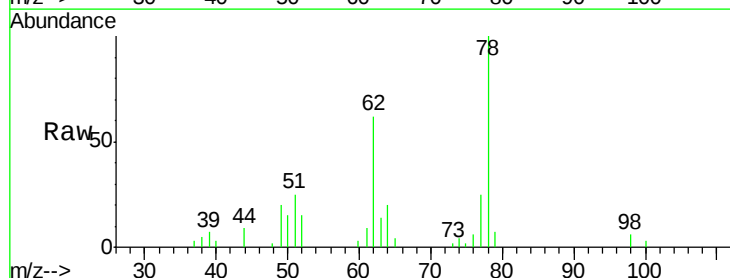
MMDadoda

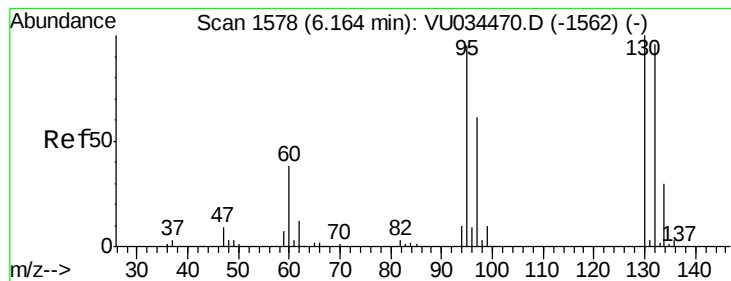
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#36
1,2-Dichloroethane
Concen: 0.415 ug/l
RT: 5.39 min Scan# 1337
Delta R.T. 0.01 min
Lab File: VU034466.D
Acq: 11 Sep 2019 09:46

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.9	8.0	12.0#





#37

Trichloroethene

Concen: 0.555 ug/l

RT: 6.17 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VU034466.D

Acq: 11 Sep 2019 09:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion:130 Resp: 10084

Ion Ratio Lower Upper

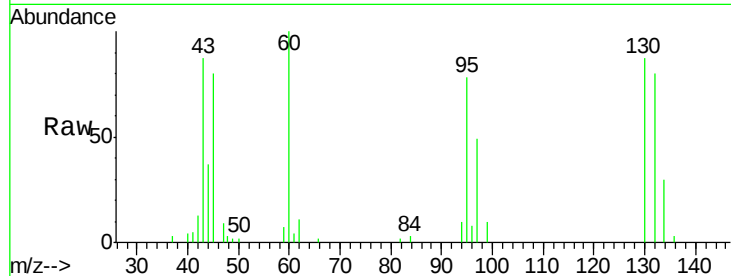
130 100

95 90.2 76.3 114.5

Manual Integrations
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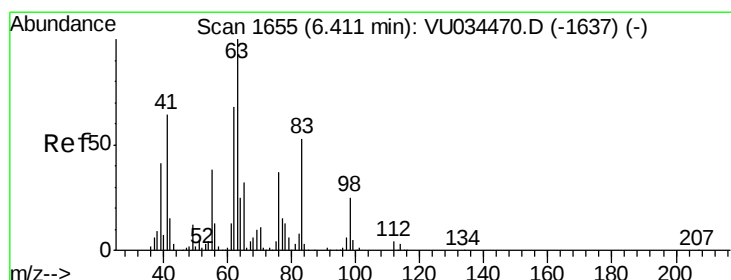
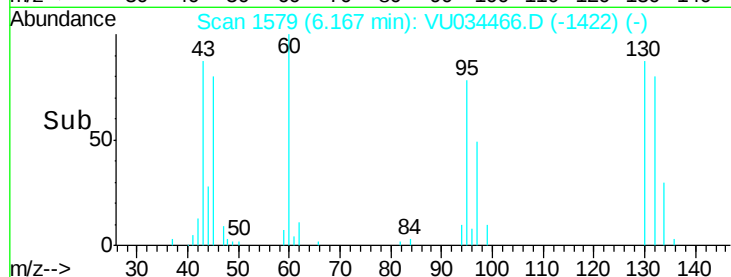
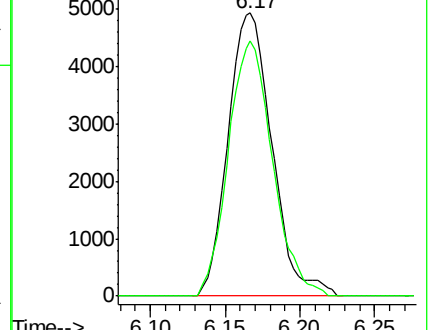
MMDadoda

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Abundance Ion 129.90 (129.60 to 130.60): VU034470.D (-1562) (-)

Ion 94.90 (94.60 to 95.60): VU034470.D (-1562) (-)



#38

1,2-Dichloropropane

Concen: 0.494 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. -0.00 min

Lab File: VU034466.D

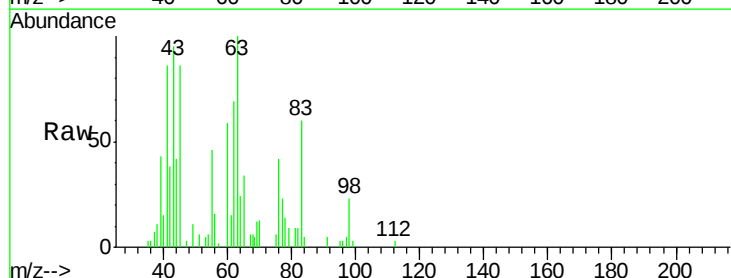
Acq: 11 Sep 2019 09:46

Tgt Ion: 63 Resp: 9214

Ion Ratio Lower Upper

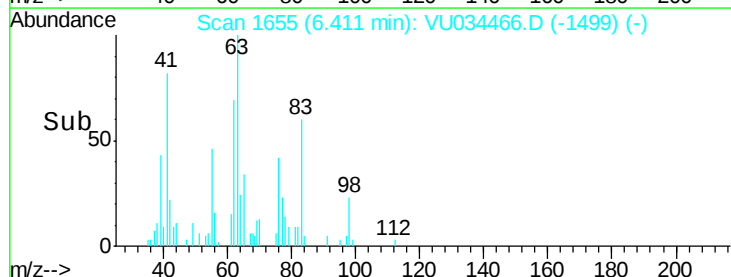
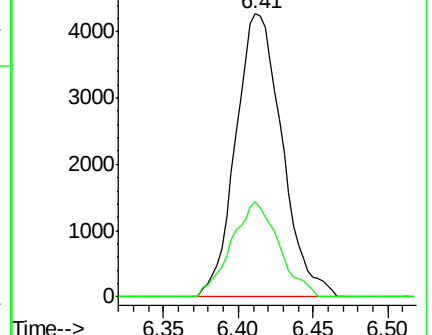
63 100

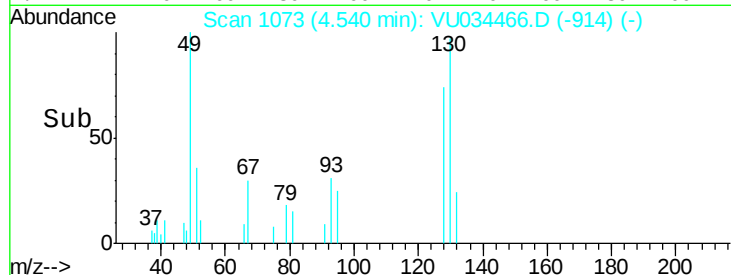
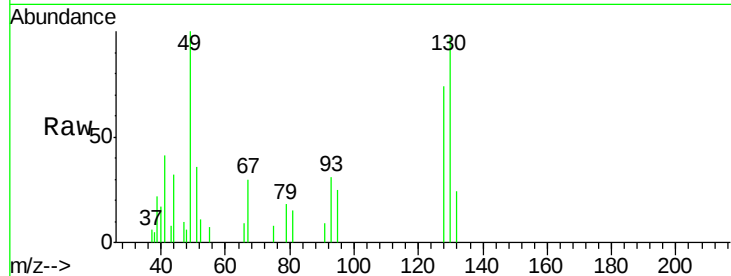
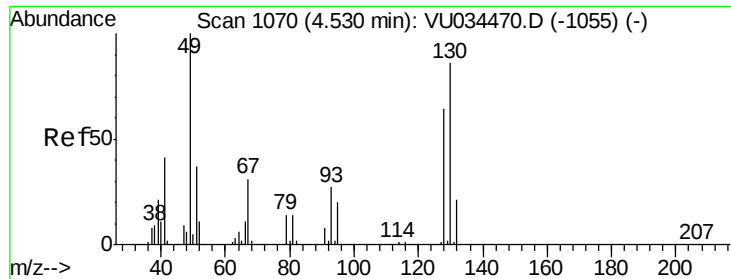
65 33.7 25.4 38.2



Abundance Ion 63.00 (62.70 to 63.70): VU034470.D (-1637) (-)

Ion 65.00 (64.70 to 65.70): VU034470.D (-1637) (-)





#39
Methacrylonitrile
Concen: 0.420 ug/l
RT: 4.54 min Scan# 1073
Delta R.T. 0.01 min
Lab File: VU034466.D
Acq: 11 Sep 2019 09:46

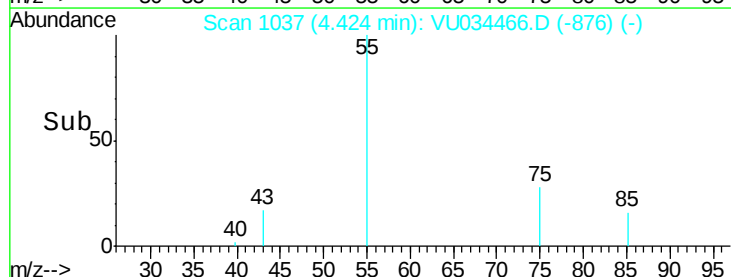
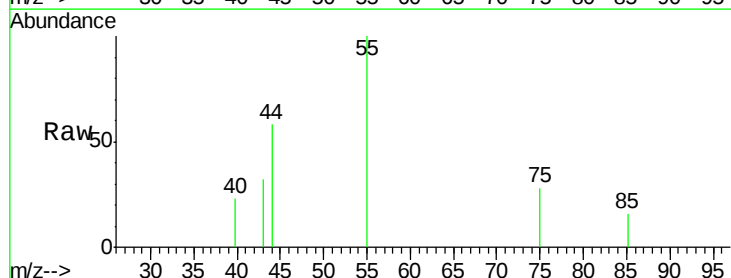
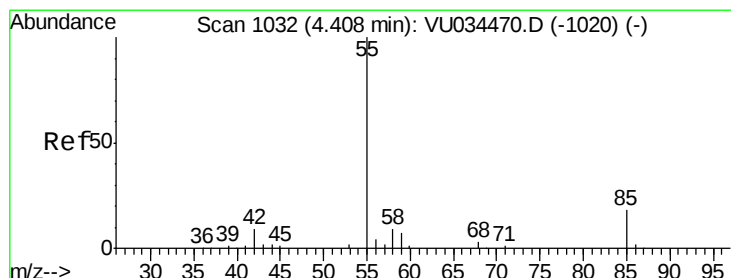
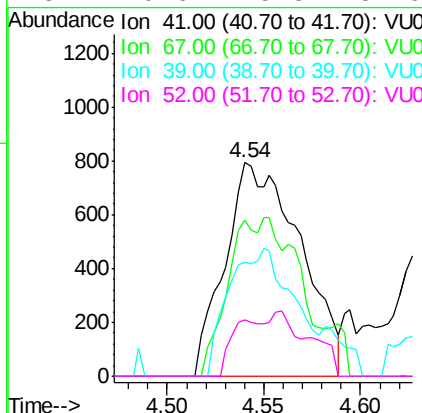
Tot Ion	41	Resp:	2143
Ion	Ratio	Lower	Upper
41	100		
67	30.6	62.6	94.0#
39	52.0	41.6	62.4
52	9.6	25.3	37.9#

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Manual Integrations
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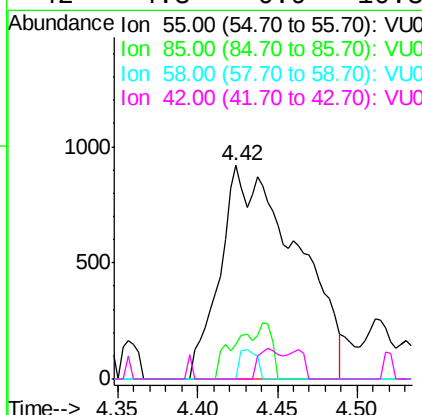
MMDadoda

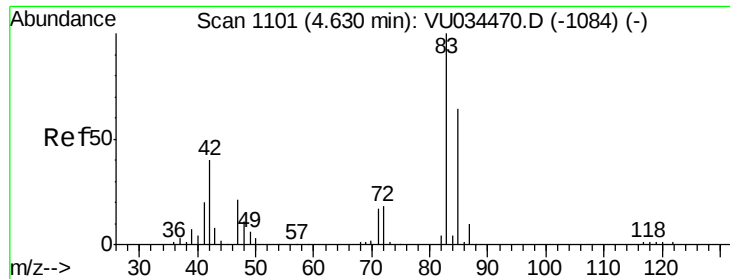
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#40
Methyl acrylate
Concen: 0.381 ug/l m
RT: 4.42 min Scan# 1037
Delta R.T. 0.02 min
Lab File: VU034466.D
Acq: 11 Sep 2019 09:46

Tgt Ion	55	Resp:	3021
Ion	Ratio	Lower	Upper
55	100		
85	0.0	13.8	20.6#
58	2.9	7.0	10.6#
42	4.3	6.9	10.3#





#41
Tetrahydrofuran
Concen: 0.859 ug/l
RT: 4.64 min Scan# 1104
Delta R.T. 0.01 min
Lab File: VU034466.D
Acq: 11 Sep 2019 09:46

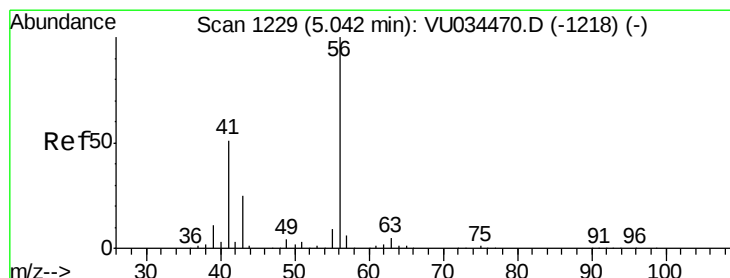
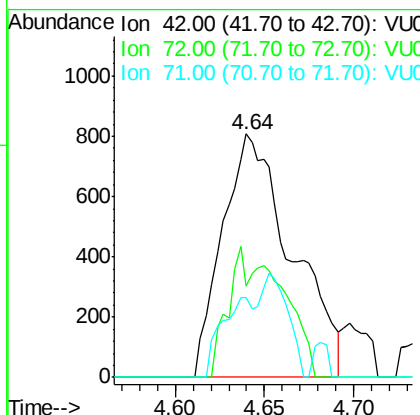
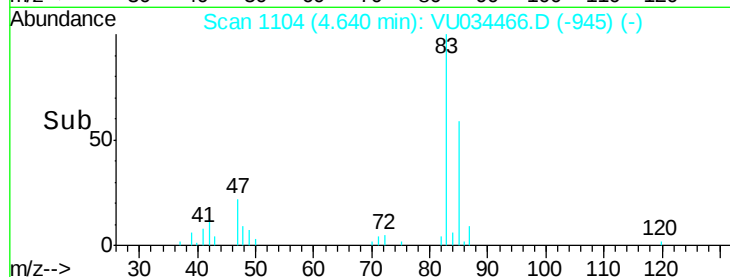
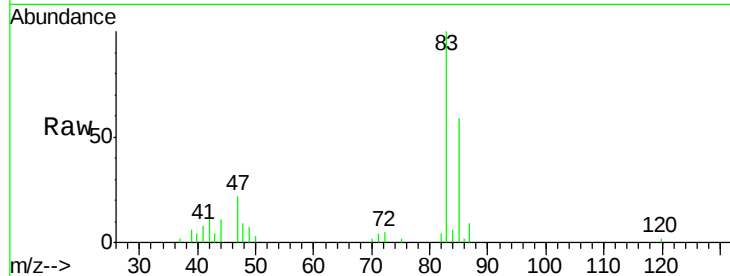
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
42	100		
72	14.7	39.6	59.4#
71	14.6	33.6	50.4#

Manual Integrations
APPROVED

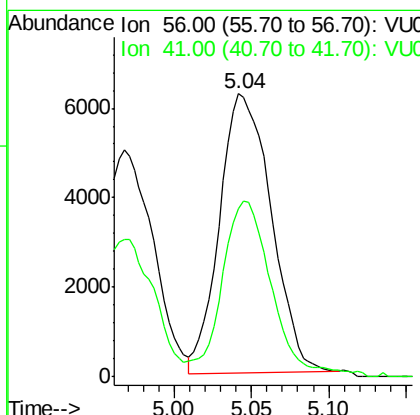
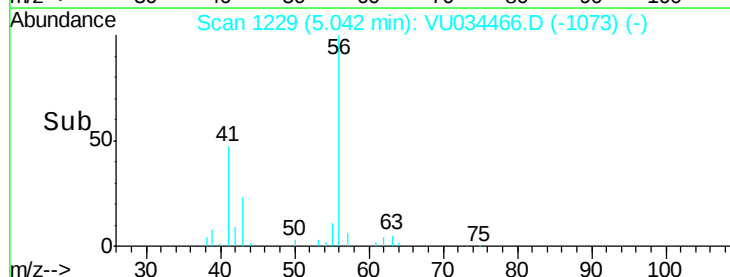
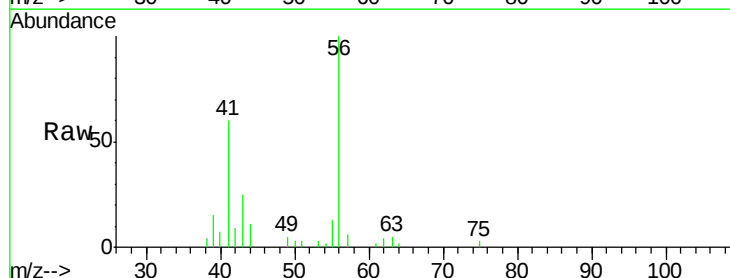
MMDadoda

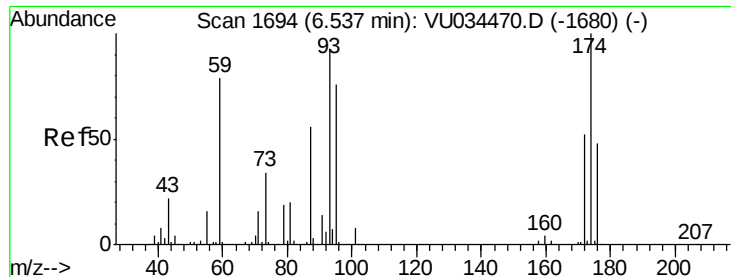
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#42
1-Chlorobutane
Concen: 0.457 ug/l
RT: 5.04 min Scan# 1229
Delta R.T. -0.00 min
Lab File: VU034466.D
Acq: 11 Sep 2019 09:46

Tgt Ion	Ratio	Lower	Upper
56	100		
41	60.6	25.5	76.5





#43
Dibromomethane
Concen: 0.470 ug/l
RT: 6.54 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VU034466.D
Acq: 11 Sep 2019 09:46

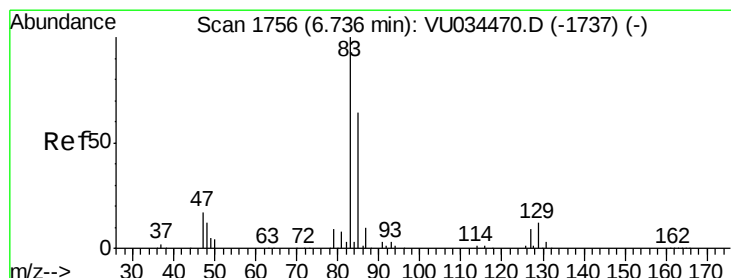
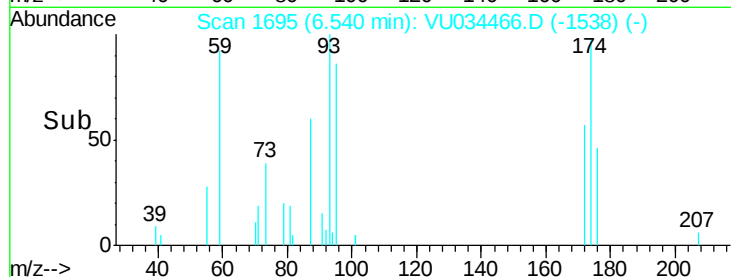
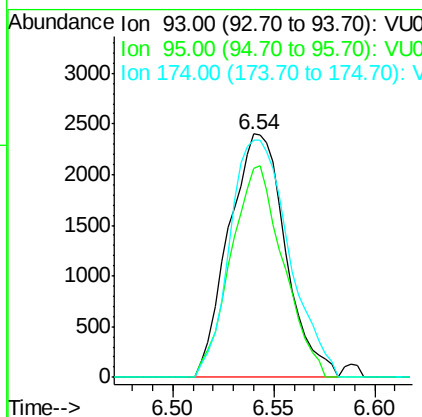
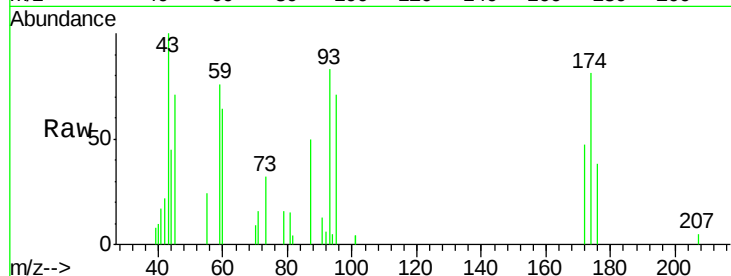
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
93	100		
95	80.3	67.1	100.7
174	102.1	88.7	133.1

Manual Integrations
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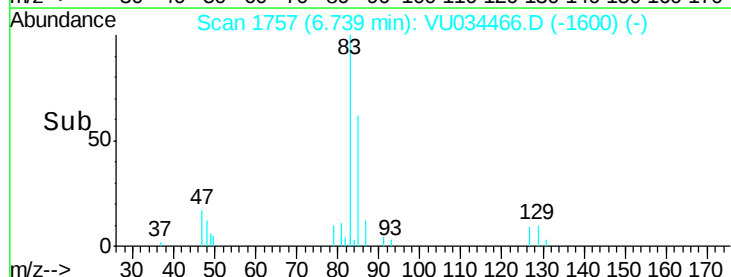
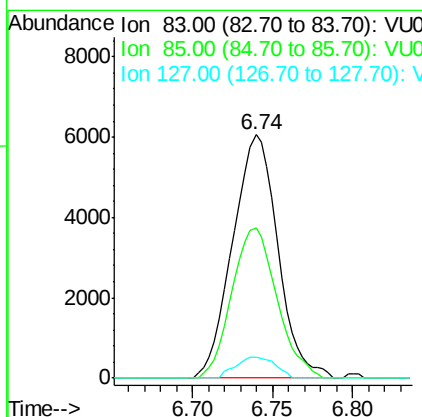
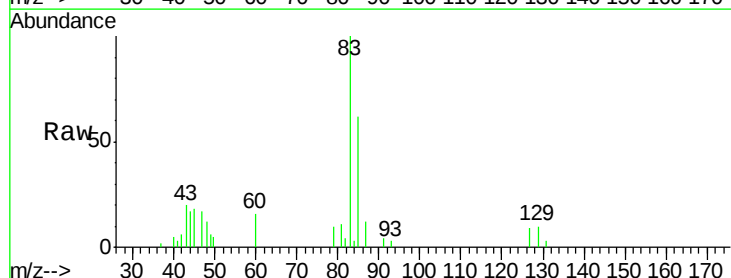
MMDadoda

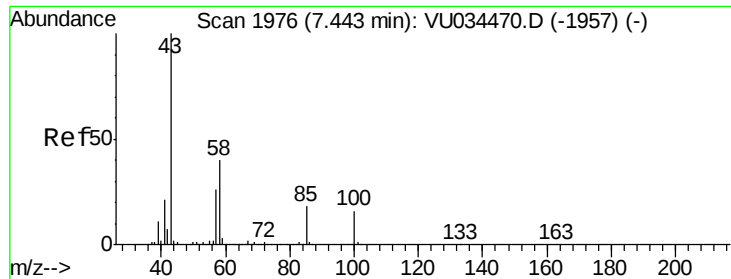
9/12/2019 4:53:12 PM



#44
Bromodichloromethane
Concen: 0.475 ug/l
RT: 6.74 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VU034466.D
Acq: 11 Sep 2019 09:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.6	51.1	76.7
127	8.7	7.1	10.7





#45
4-Methyl-2-Pentanone
Concen: 1.964 ug/l
RT: 7.45 min Scan# 1978
Delta R.T. 0.01 min
Lab File: VU034466.D
Acq: 11 Sep 2019 09:46

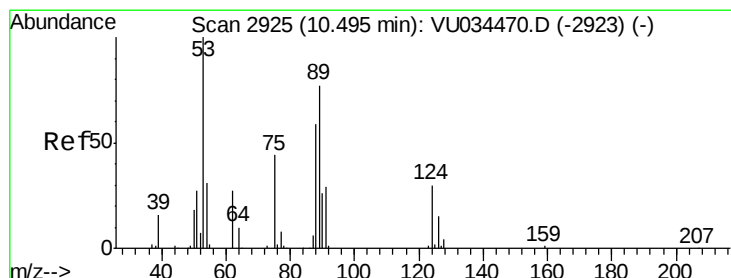
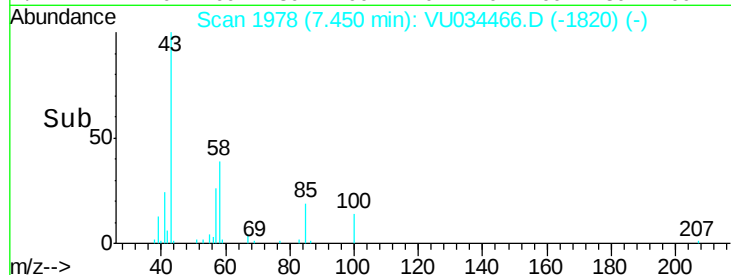
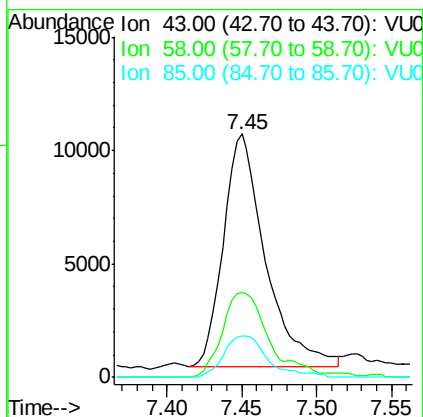
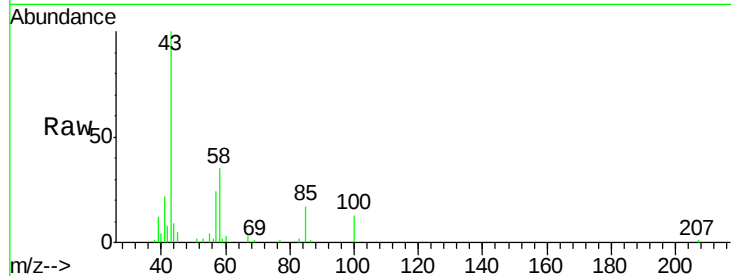
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion:	43	Resp:	20011
Ion Ratio	Lower	Upper	
43	100		
58	40.6	20.2	60.6
85	18.7	14.6	21.8

Manual Integrations
APPROVED

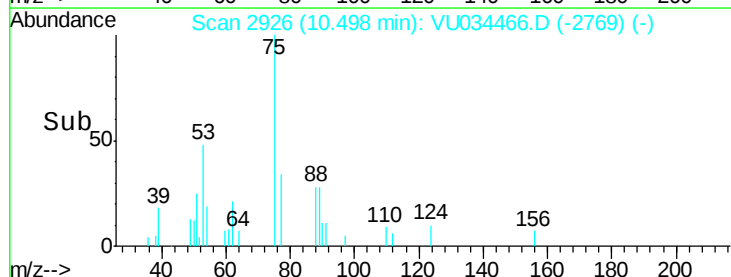
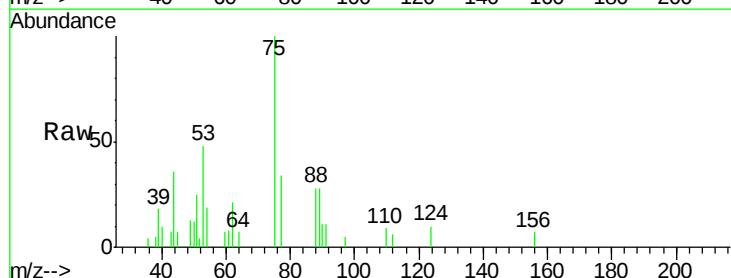
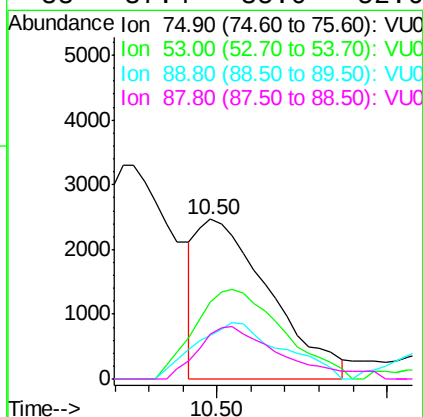
MMDadoda

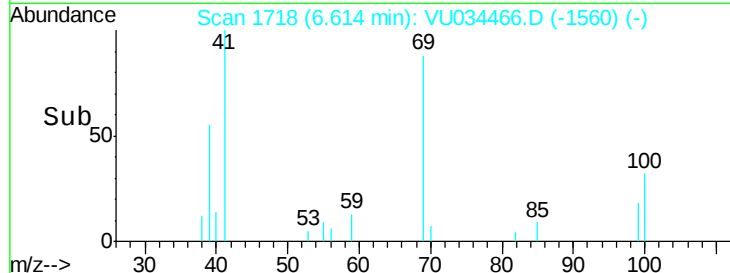
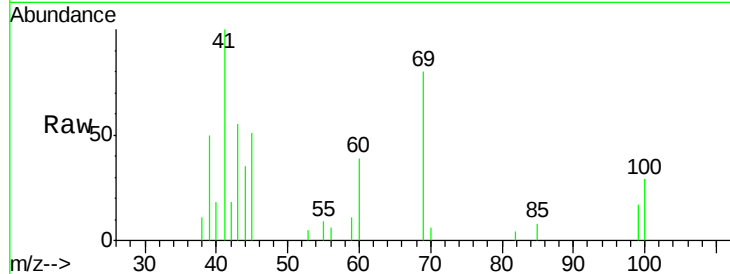
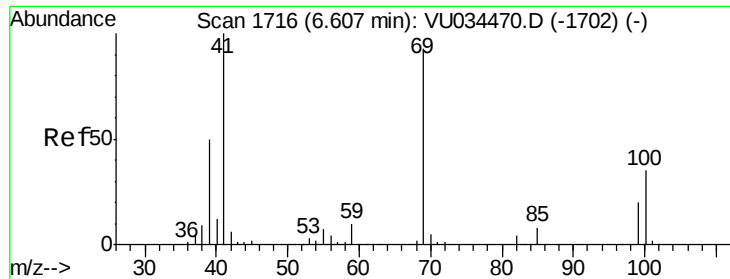
9/12/2019 4:53:12 PM



#46
t-1,4-Dichloro-2-butene
Concen: 0.912 ug/l m
RT: 10.50 min Scan# 2926
Delta R.T. 0.00 min
Lab File: VU034466.D
Acq: 11 Sep 2019 09:46

Tgt Ion:	75	Resp:	3679
Ion Ratio	Lower	Upper	
75	100		
53	67.4	63.3	94.9
89	42.2	46.2	69.2#
88	37.4	35.0	52.6





#47
Methyl methacrylate
Concen: 0.796 ug/l
RT: 6.61 min Scan# 1718
Delta R.T. 0.01 min
Lab File: VU034466.D
Acq: 11 Sep 2019 09:46

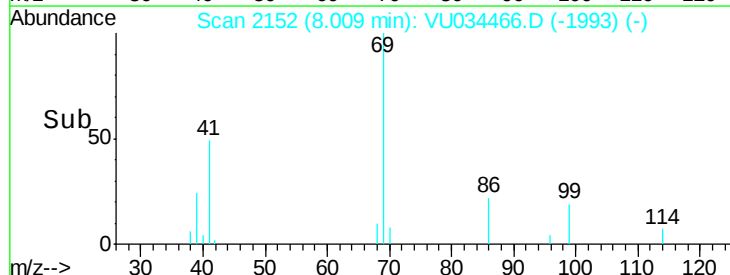
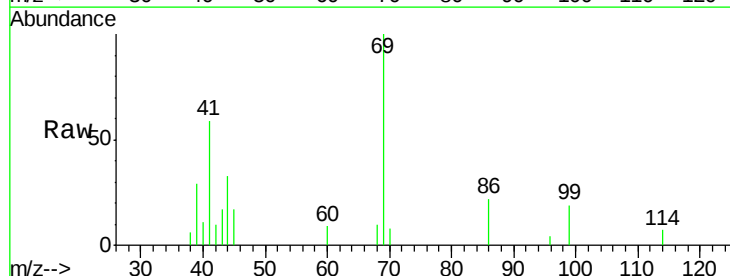
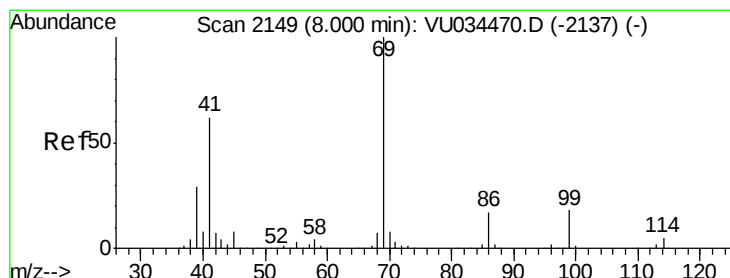
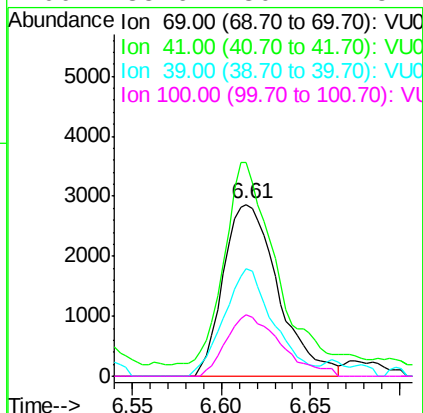
Tot Ion	Ion	Ratio	Resp	Lower	Upper
69	100		6108		
41	107.3	0.0	212.8		
39	56.6	43.0	64.4		
100	35.6	30.1	45.1		

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Manual Integrations
APPROVED

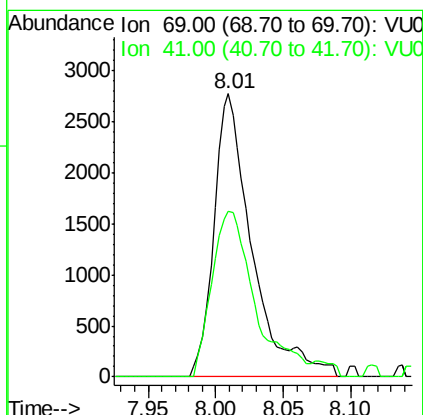
MMDadoda

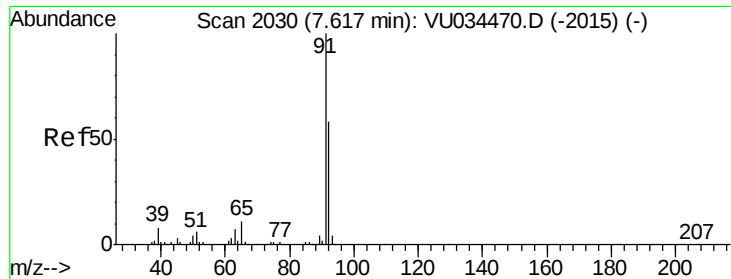
9/12/2019 4:53:12 PM



#48
Ethyl methacrylate
Concen: 0.398 ug/l m
RT: 8.01 min Scan# 2152
Delta R.T. 0.01 min
Lab File: VU034466.D
Acq: 11 Sep 2019 09:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		5408		
41	67.0	30.6	91.8		





#49

Toluene

Concen: 0.480 ug/l

RT: 7.62 min Scan# 2031

Delta R.T. 0.00 min

Lab File: VU034466.D

Acq: 11 Sep 2019 09:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 92 Resp: 18705

Ion Ratio Lower Upper

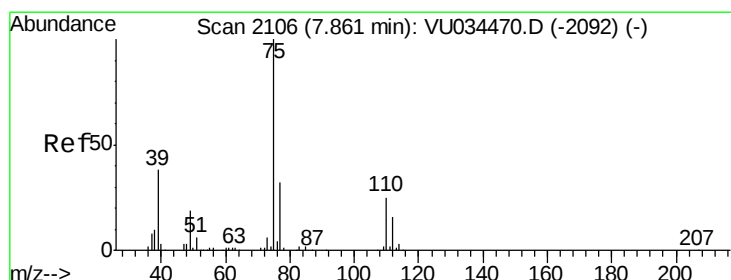
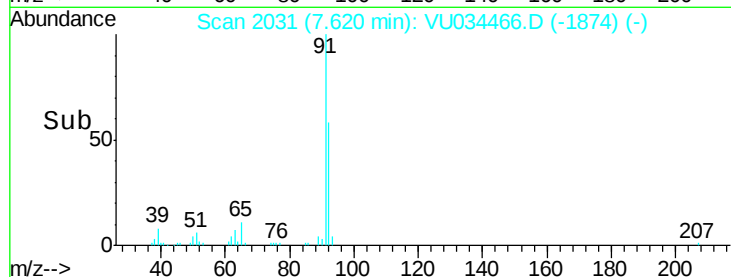
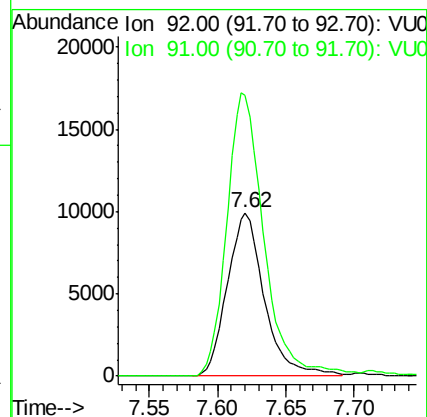
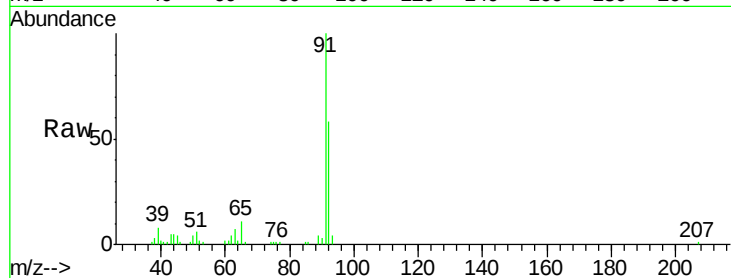
92 100

91 173.8 138.6 208.0

Manual Integrations
APPROVED

MMDadoda

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#50

t-1,3-Dichloropropene

Concen: 0.454 ug/l

RT: 7.87 min Scan# 2108

Delta R.T. 0.01 min

Lab File: VU034466.D

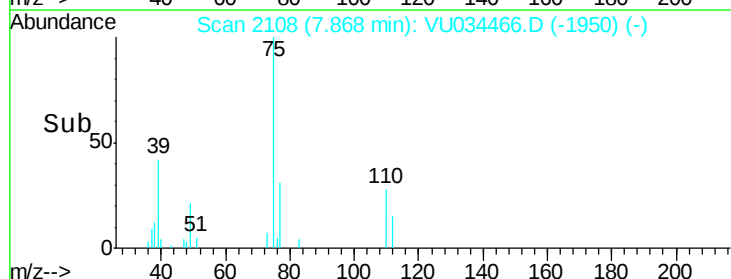
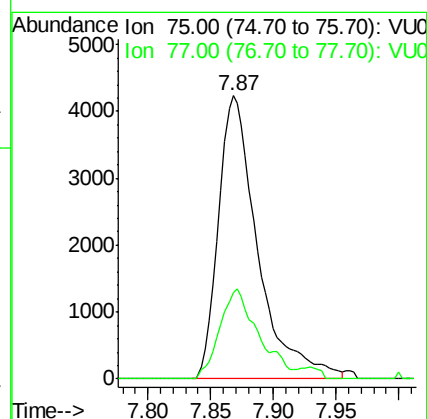
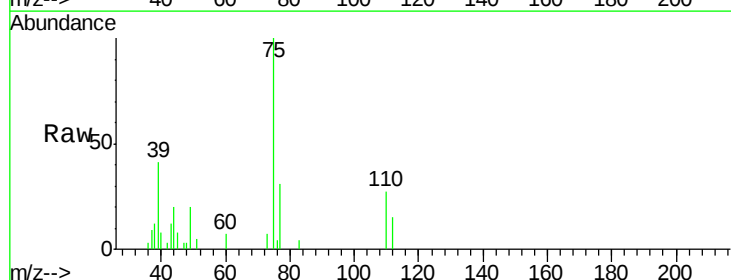
Acq: 11 Sep 2019 09:46

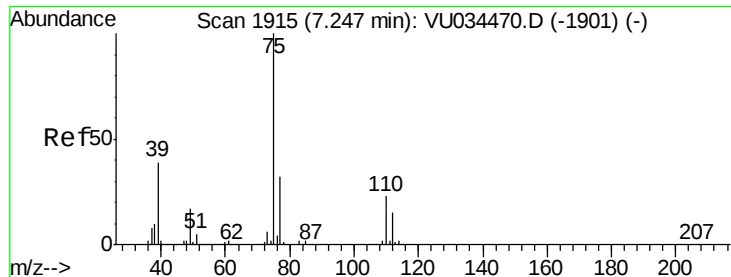
Tgt Ion: 75 Resp: 9240

Ion Ratio Lower Upper

75 100

77 30.6 25.4 38.0





#51
 cis-1,3-Dichloropropene
 Concen: 0.468 ug/l
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VU034466.D
 Acq: 11 Sep 2019 09:46

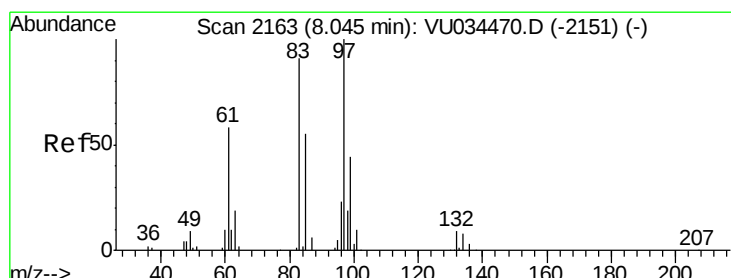
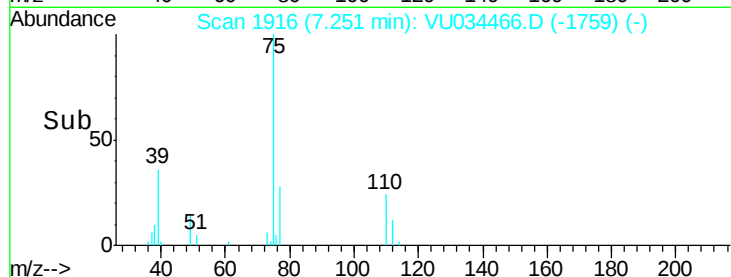
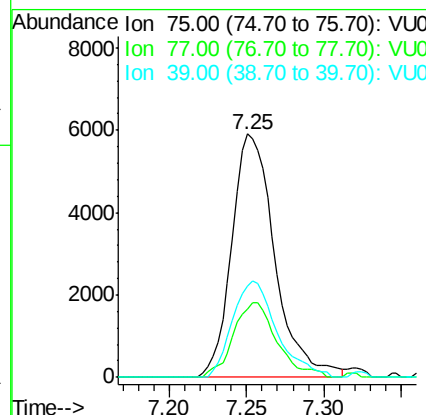
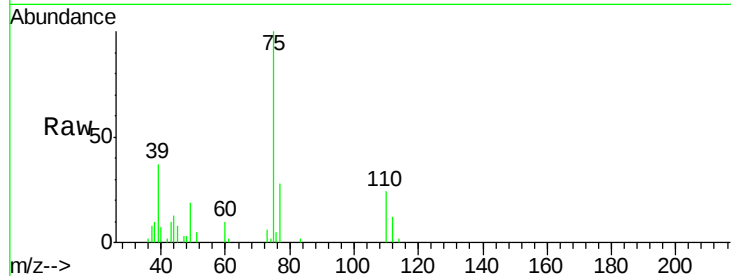
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion:	75	Resp:	11421
Ion	Ratio	Lower	Upper
75	100		
77	28.3	25.3	37.9
39	37.5	31.0	46.4

Manual Integrations
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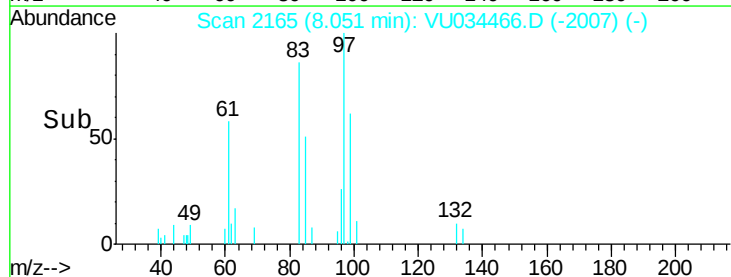
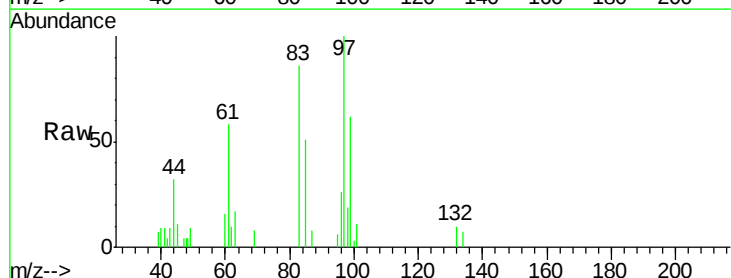
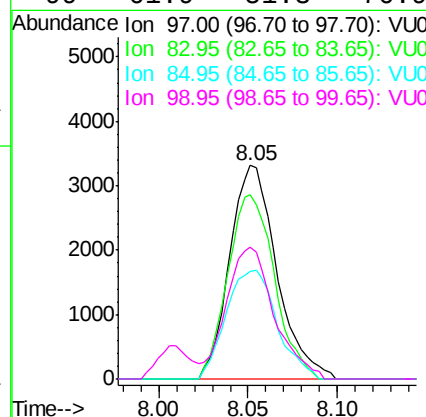
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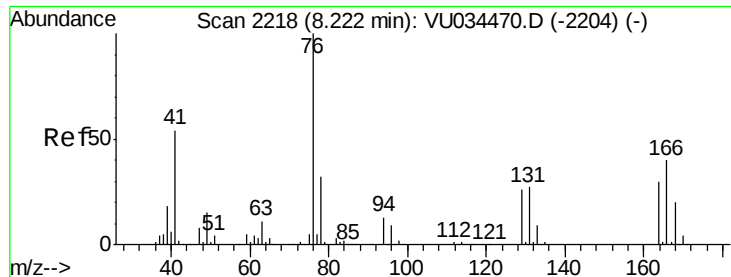
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#52
 1,1,2-Trichloroethane
 Concen: 0.453 ug/l
 RT: 8.05 min Scan# 2165
 Delta R.T. 0.01 min
 Lab File: VU034466.D
 Acq: 11 Sep 2019 09:46

Tgt Ion:	97	Resp:	6103
Ion	Ratio	Lower	Upper
97	100		
83	86.1	72.5	108.7
85	50.6	45.4	68.0
99	61.9	51.3	76.9





#53
 1,3-Dichloropropane
 Concen: 0.438 ug/l
 RT: 8.23 min Scan# 2220
 Delta R.T. 0.01 min
 Lab File: VU034466.D
 Acq: 11 Sep 2019 09:46

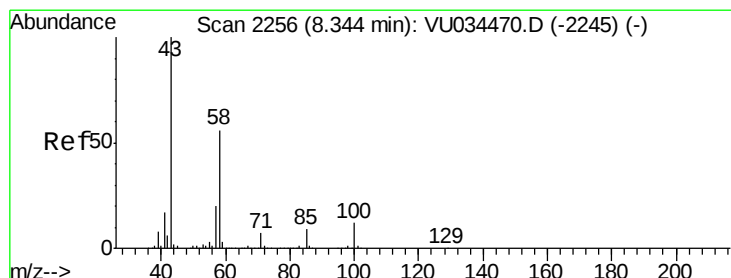
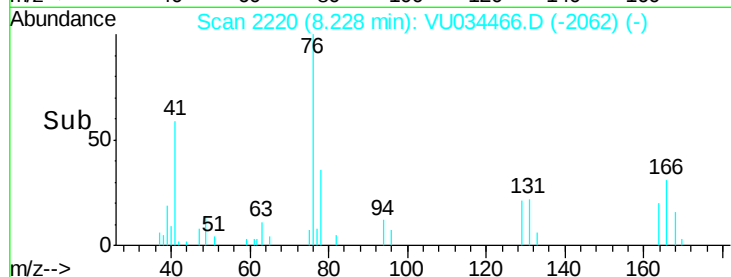
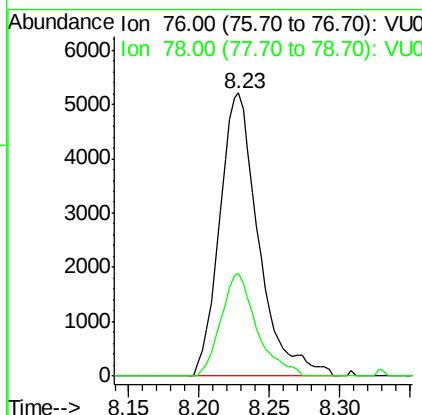
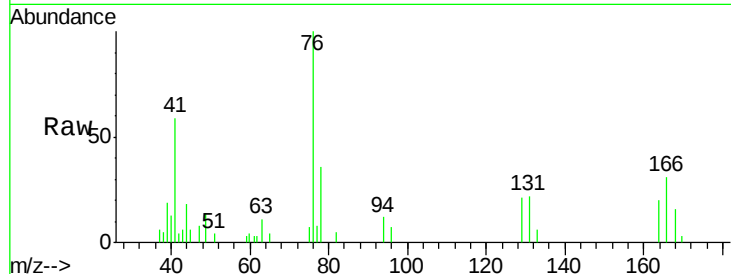
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.3	26.1	39.1

Manual Integrations
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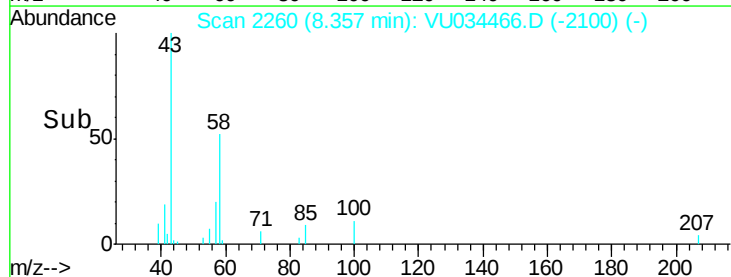
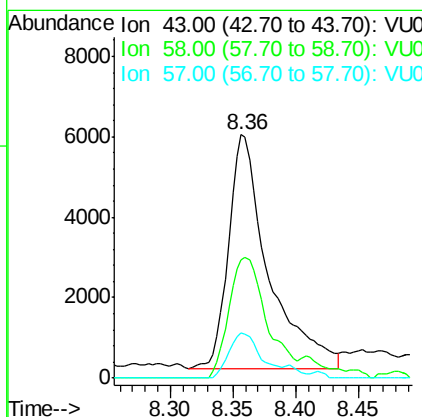
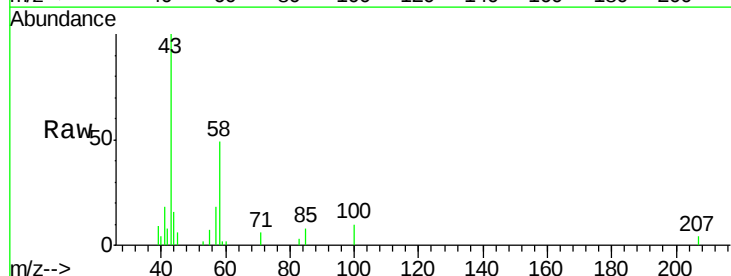
MMDadoda

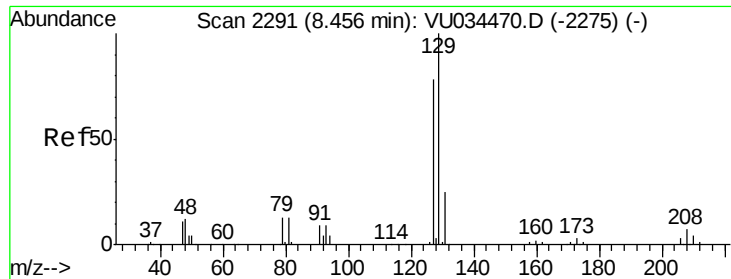
9/12/2019 4:53:12 PM



#54
 2-Hexanone
 Concen: 1.799 ug/l
 RT: 8.36 min Scan# 2260
 Delta R.T. 0.01 min
 Lab File: VU034466.D
 Acq: 11 Sep 2019 09:46

Tgt Ion	Ratio	Lower	Upper
43	100		
58	49.2	36.4	76.4
57	15.3	0.0	39.5





#55
 Dibromochloromethane
 Concen: 0.445 ug/l
 RT: 8.45 min Scan# 2290
 Delta R.T. -0.00 min
 Lab File: VU034466.D
 Acq: 11 Sep 2019 09:46

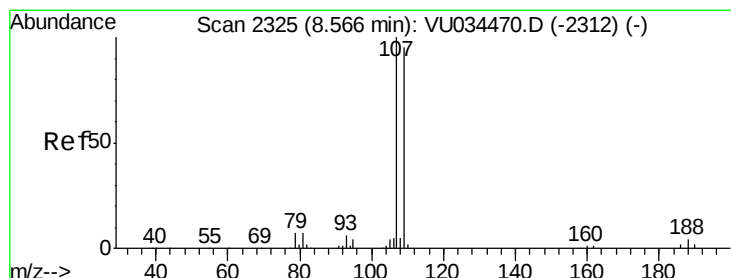
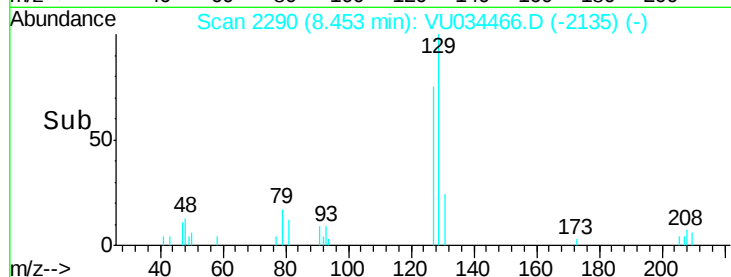
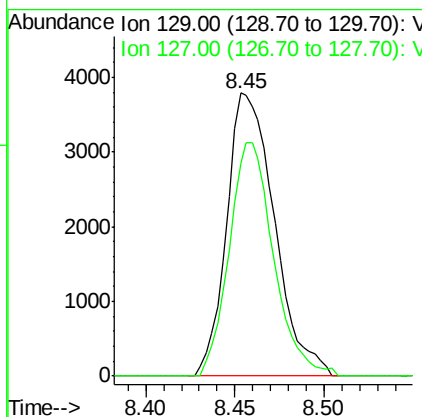
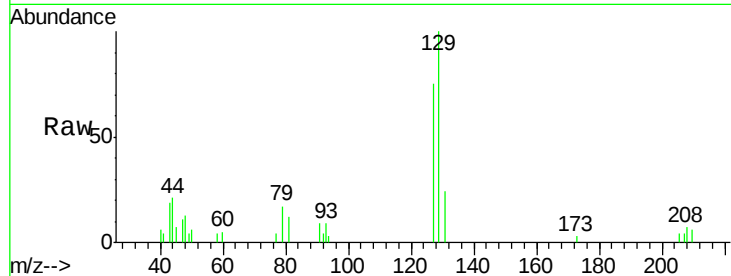
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ion	Ratio	Resp	Lower	Upper
129	100		7056		
127	76.5	60.9	91.3		

Manual Integrations
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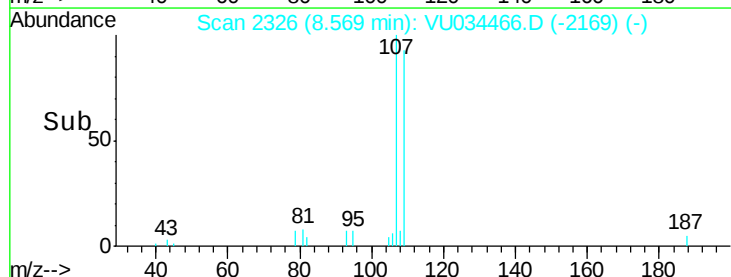
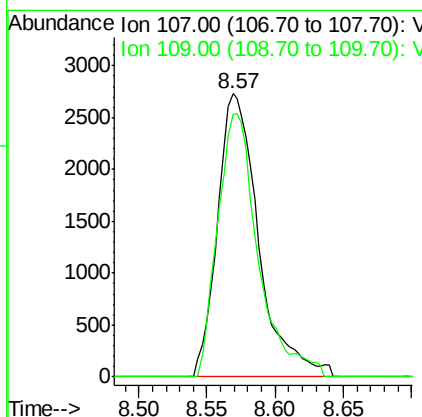
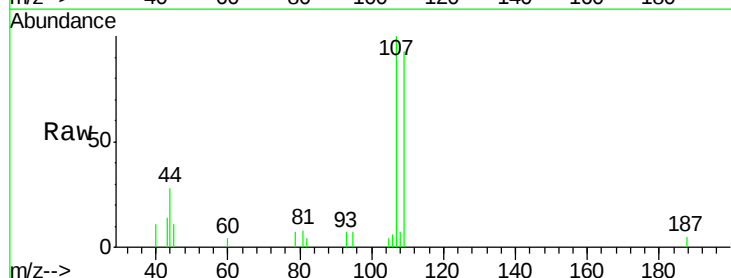
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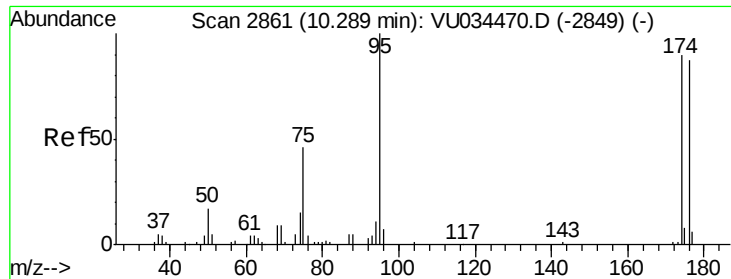
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#56
 1,2-Dibromoethane
 Concen: 0.457 ug/l
 RT: 8.57 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU034466.D
 Acq: 11 Sep 2019 09:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		5722		
109	91.5	0.0	190.8		





#57
4-Bromofluorobenzene
Concen: 0.952 ug/l
RT: 10.29 min Scan# 2862
Delta R.T. 0.00 min
Lab File: VU034466.D
Acq: 11 Sep 2019 09:46

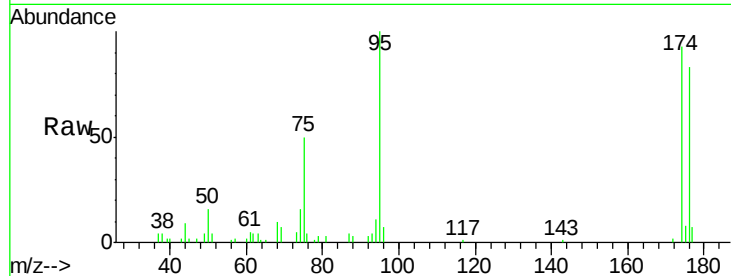
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
95	100		
174	94.5	70.1	105.1
176	84.8	67.7	101.5

Manual Integrations
APPROVED

MMDadoda

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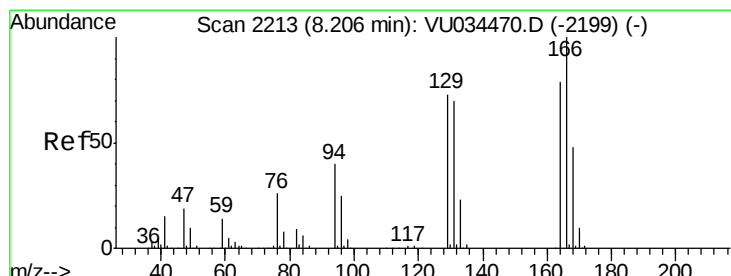
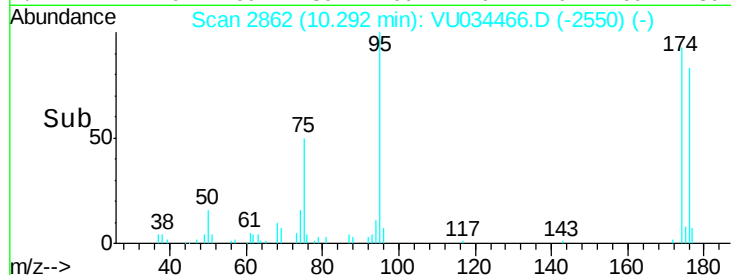
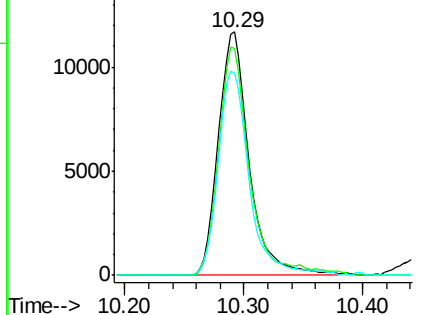


Abundance

Ion 95.00 (94.70 to 95.70): VU034466.D (-2550) (-)

Ion 174.00 (173.70 to 174.70): VU034466.D (-2550) (-)

Ion 176.00 (175.70 to 176.70): VU034466.D (-2550) (-)



#58
Tetrachloroethene
Concen: 0.535 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU034466.D
Acq: 11 Sep 2019 09:46

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.2	101.5	152.3
129	79.3	73.8	110.8
131	88.9	71.5	107.3

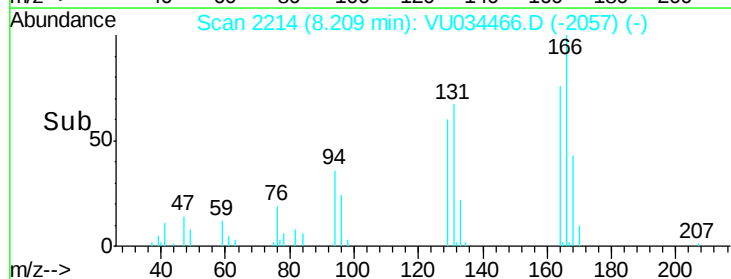
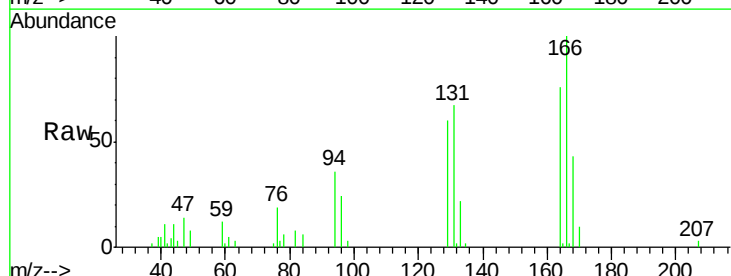
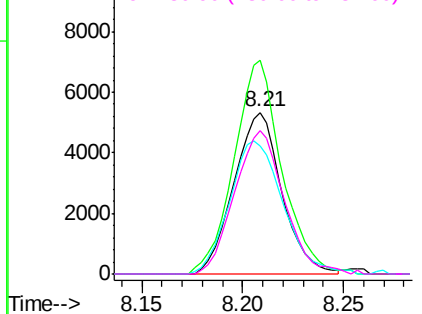
Abundance

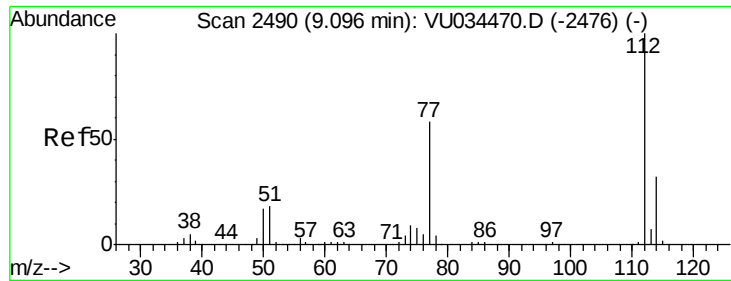
Ion 163.85 (163.55 to 164.55): VU034466.D (-2057) (-)

Ion 165.80 (165.50 to 166.50): VU034466.D (-2057) (-)

Ion 128.90 (128.60 to 129.60): VU034466.D (-2057) (-)

Ion 130.90 (130.60 to 131.60): VU034466.D (-2057) (-)





#59
Chlorobenzene
Concen: 0.479 ug/l
RT: 9.10 min Scan# 2492
Delta R.T. 0.01 min
Lab File: VU034466.D
Acq: 11 Sep 2019 09:46

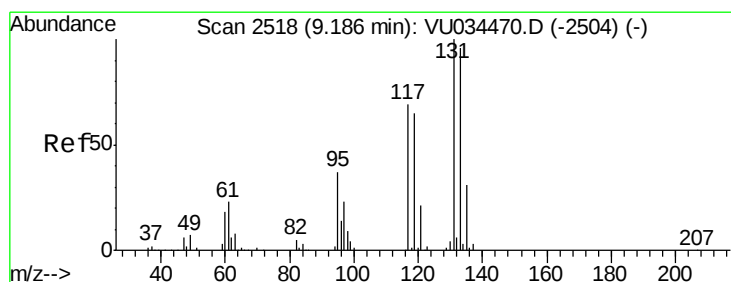
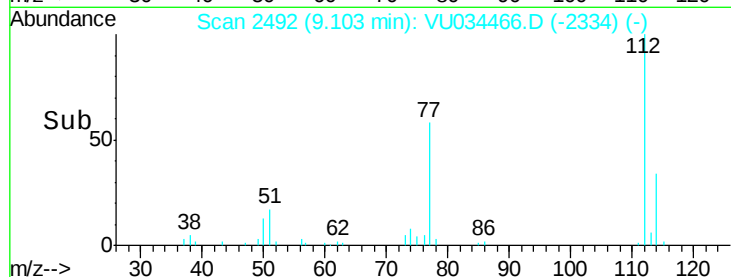
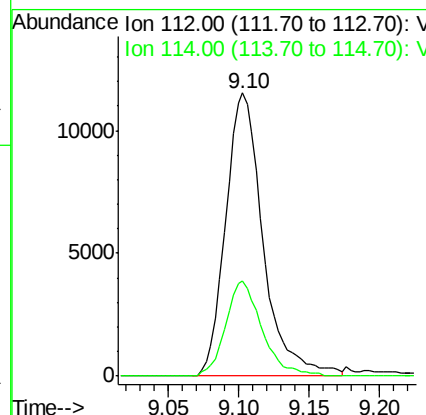
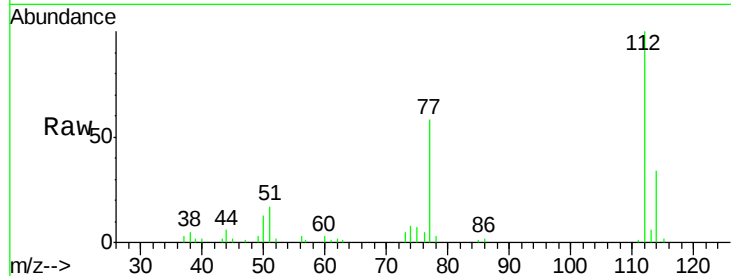
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion:112 Resp: 21363
Ion Ratio Lower Upper
112 100
114 33.6 25.6 38.4

Manual Integrations
APPROVED

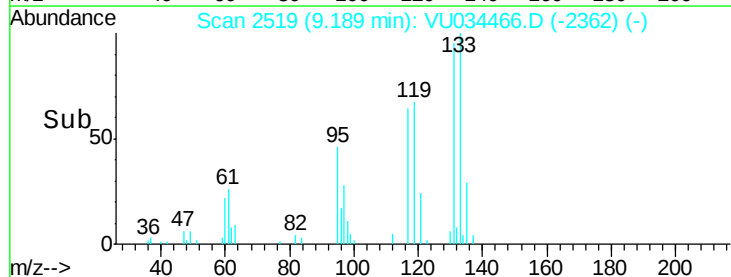
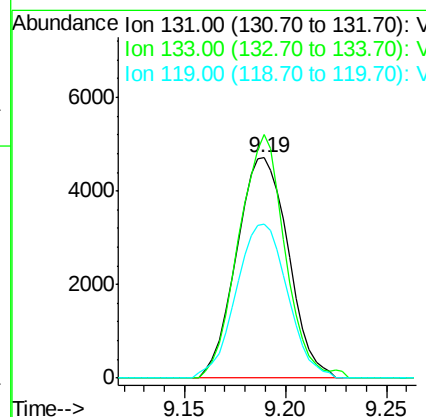
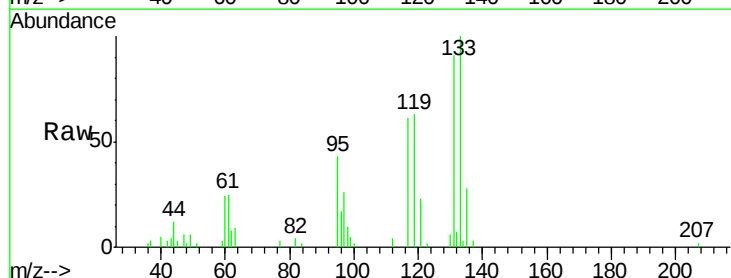
MMDadoda

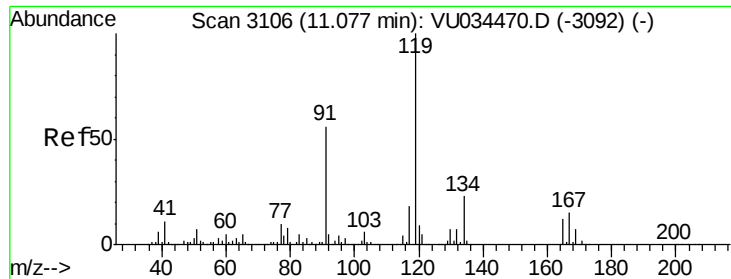
9/12/2019 4:53:12 PM



#60
1,1,1,2-Tetrachloroethane
Concen: 0.501 ug/l
RT: 9.19 min Scan# 2519
Delta R.T. 0.00 min
Lab File: VU034466.D
Acq: 11 Sep 2019 09:46

Tgt Ion:131 Resp: 8463
Ion Ratio Lower Upper
131 100
133 98.8 76.8 115.2
119 69.5 52.4 78.6





#61
 Pentachloroethane
 Concen: 0.515 ug/l
 RT: 11.08 min Scan# 3107
 Delta R.T. 0.00 min
 Lab File: VU034466.D
 Acq: 11 Sep 2019 09:46

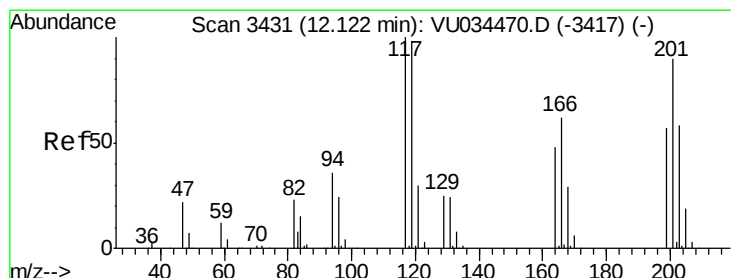
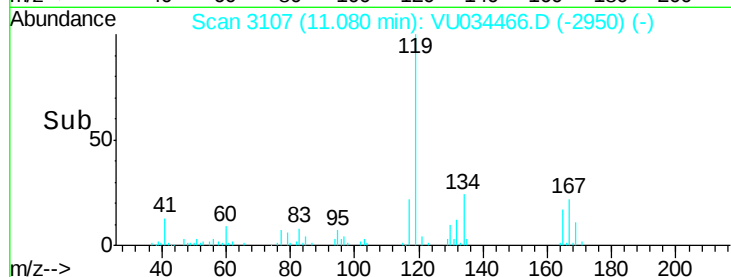
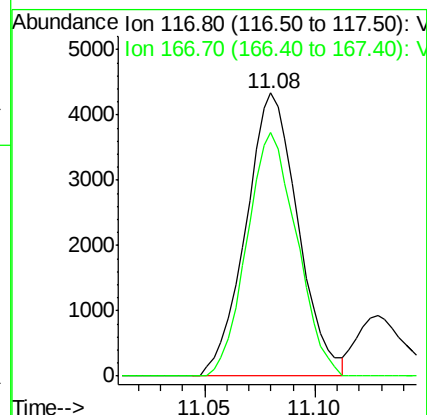
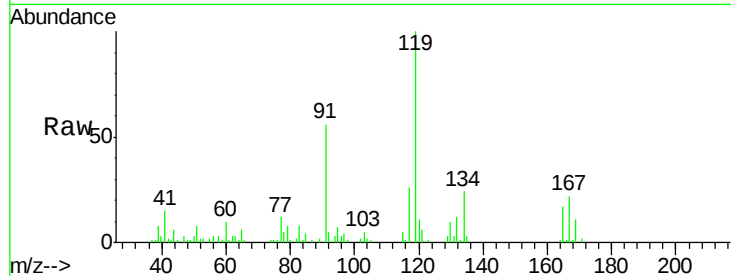
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
117	100		
167	82.1	70.7	106.1

Manual Integrations
 APPROVED

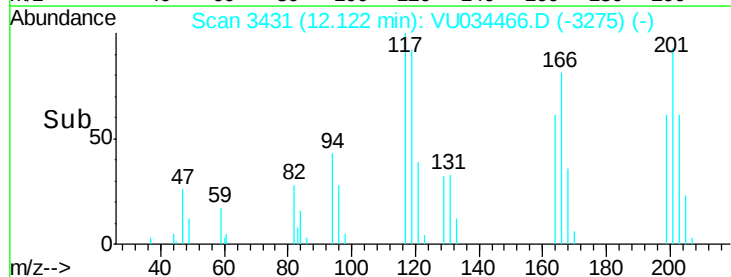
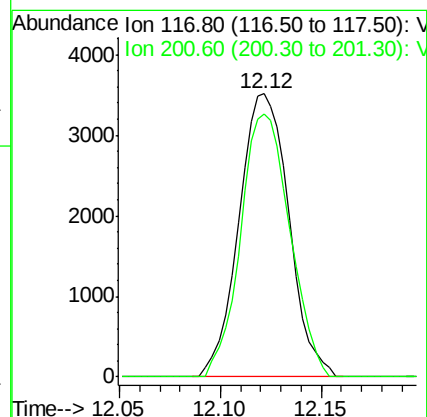
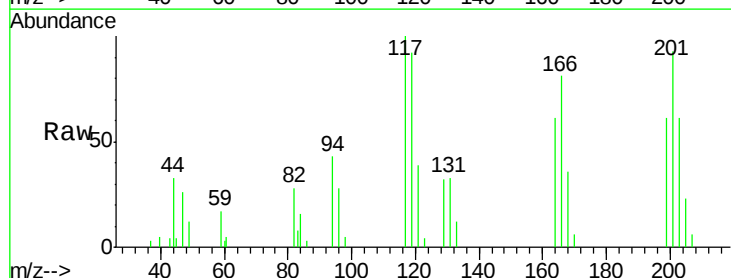
MMDadoda

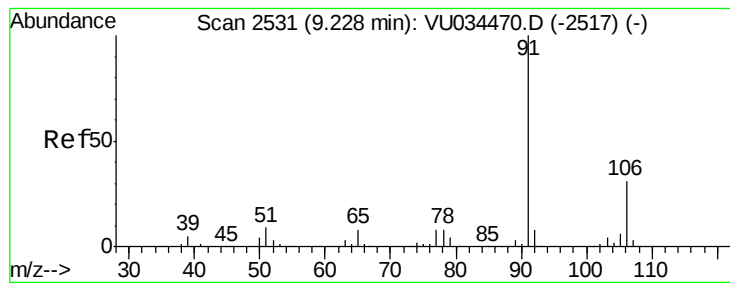
9/12/2019 4:53:12 PM



#62
 Hexachloroethane
 Concen: 0.462 ug/l
 RT: 12.12 min Scan# 3431
 Delta R.T. -0.00 min
 Lab File: VU034466.D
 Acq: 11 Sep 2019 09:46

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.6	71.8	107.8





#63

Ethyl Benzene

Concen: 0.438 ug/l

RT: 9.23 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU034466.D

Acq: 11 Sep 2019 09:46

Tot Ion: 91 Resp: 31367

Ion Ratio Lower Upper

91 100

106 31.0 25.2 37.8

Instrument :

MSVOA_U

ClientSampleId :

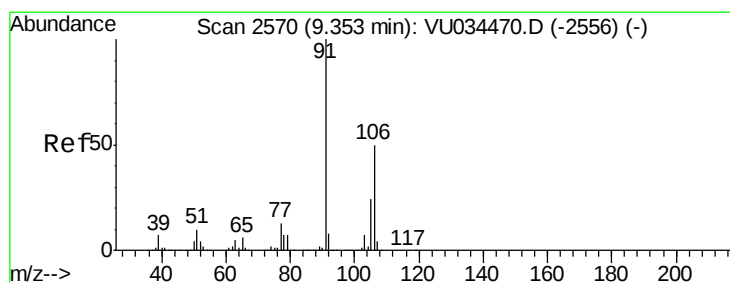
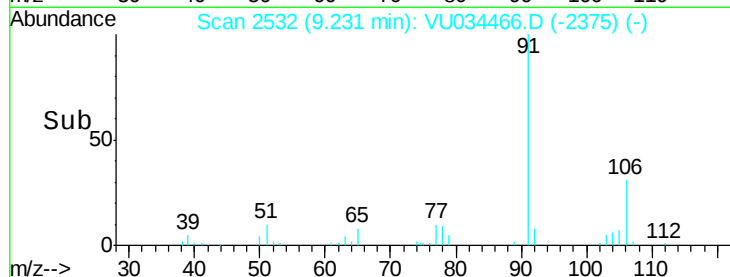
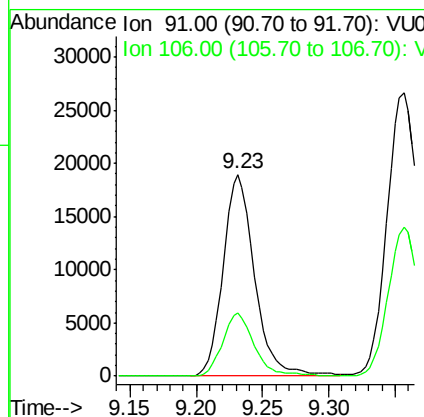
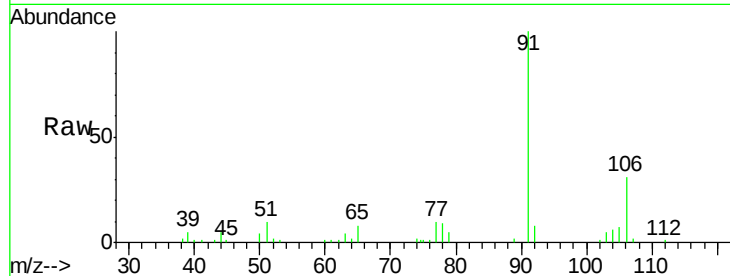
VSTDIC0.5

Manual Integrations

APPROVED

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#64

m/p-Xylenes

Concen: 0.859 ug/l

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU034466.D

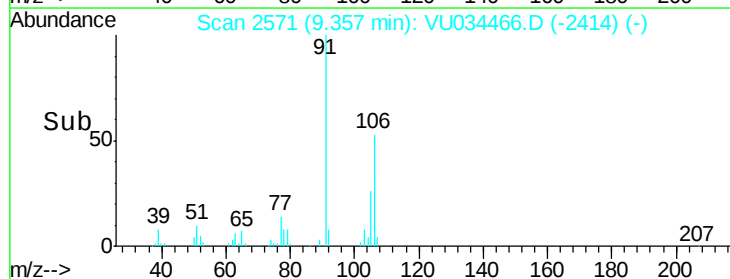
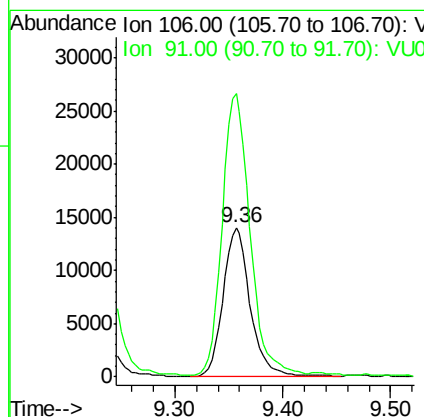
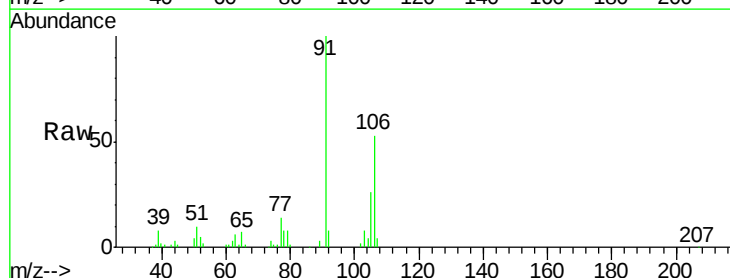
Acq: 11 Sep 2019 09:46

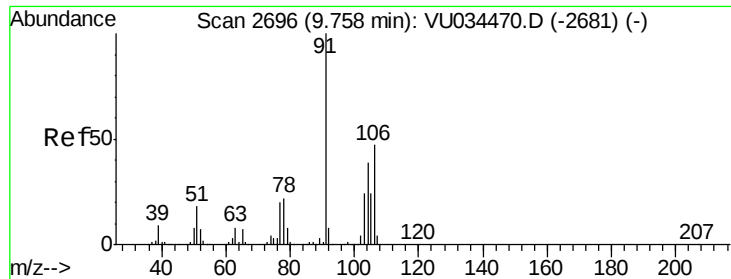
Tgt Ion: 106 Resp: 24665

Ion Ratio Lower Upper

106 100

91 190.9 161.8 242.6





#65
o-Xylene
Concen: 0.422 ug/l
RT: 9.76 min Scan# 2697
Delta R.T. 0.00 min
Lab File: VU034466.D
Acq: 11 Sep 2019 09:46

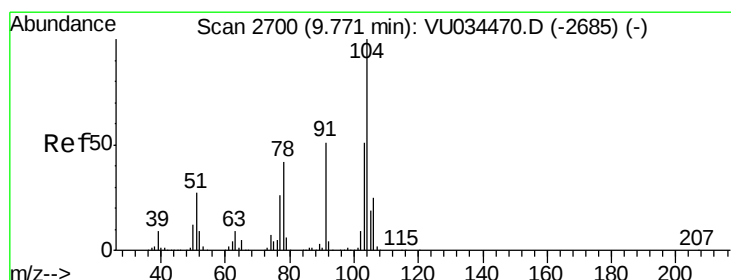
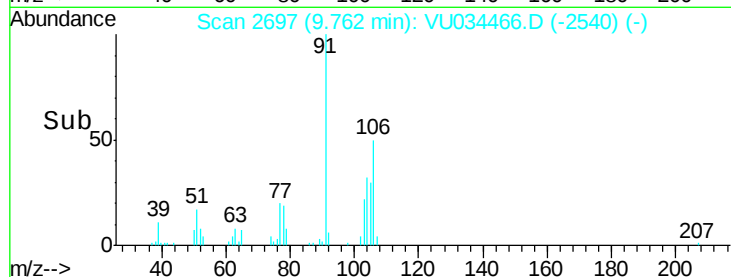
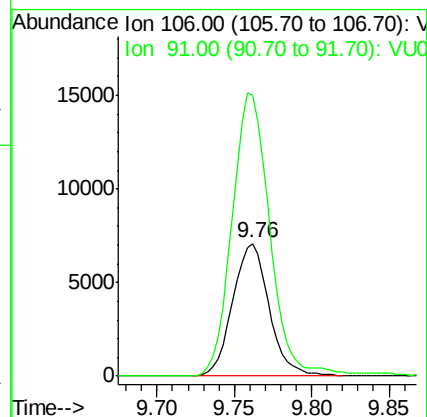
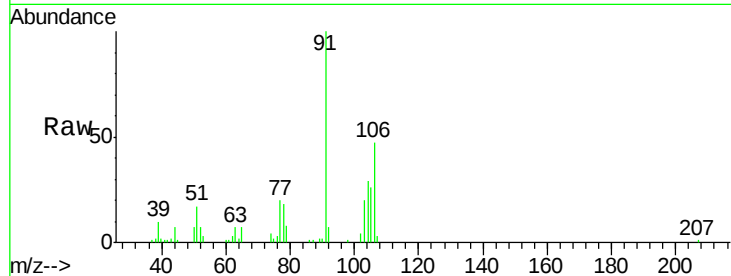
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ion	Ratio	Lower	Upper
11591	106			
106	100			
91	221.0	104.7	313.9	

Manual Integrations
APPROVED

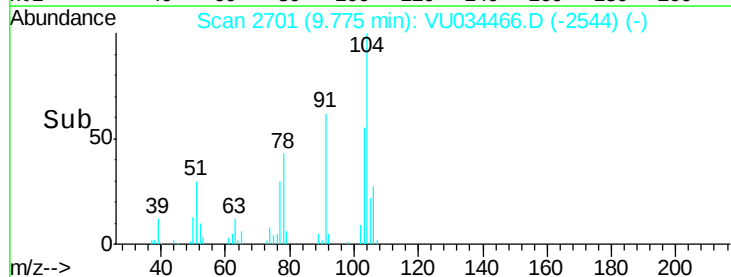
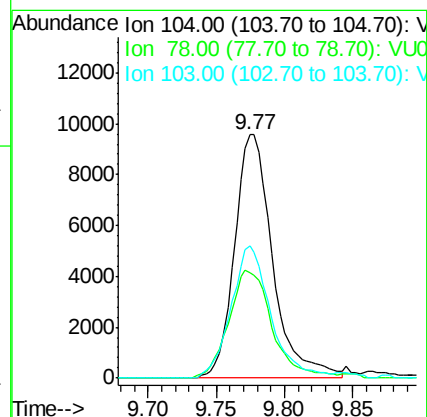
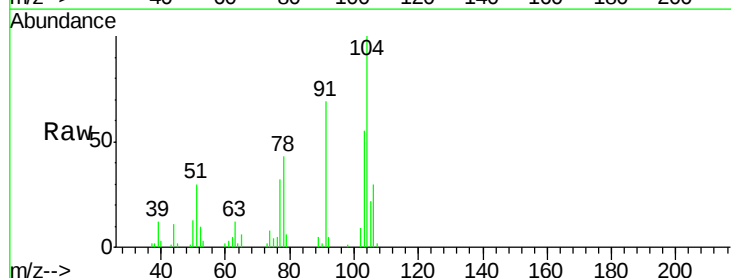
MMDadoda

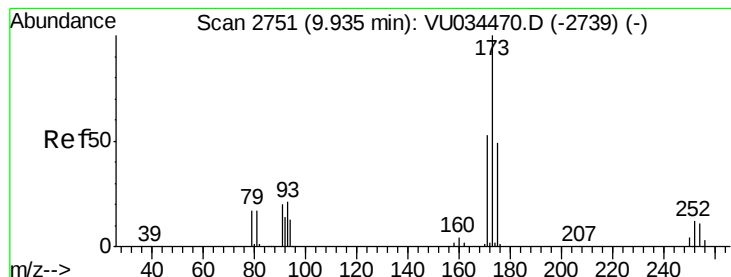
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#66
Styrene
Concen: 0.402 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU034466.D
Acq: 11 Sep 2019 09:46

Tgt Ion	Ion	Ratio	Lower	Upper
18635	104			
104	100			
78	50.2	37.8	56.6	
103	56.4	43.8	65.8	





#67

Bromoform

Concen: 0.503 ug/l

RT: 9.94 min Scan# 2752

Delta R.T. 0.00 min

Lab File: VU034466.D

Acq: 11 Sep 2019 09:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion:173 Resp: 4362

Ion Ratio Lower Upper

173 100

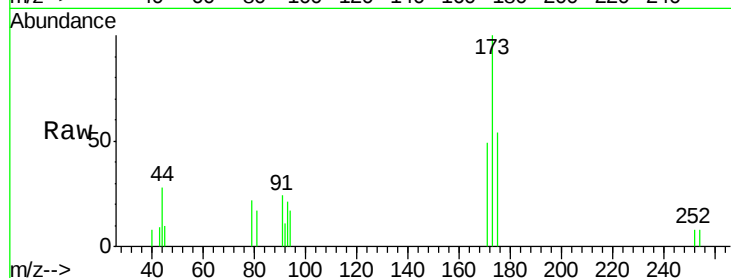
175 45.7 39.1 58.7

254 7.6 8.6 13.0#

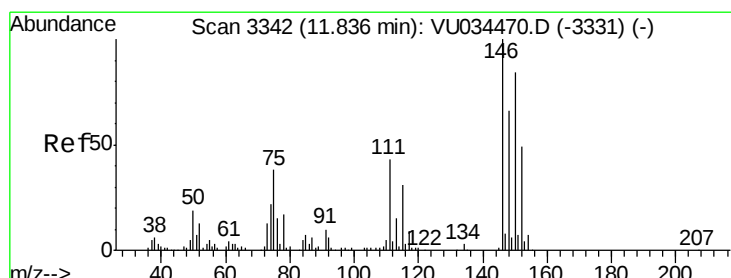
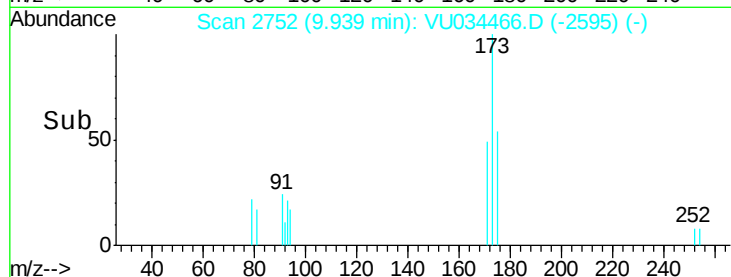
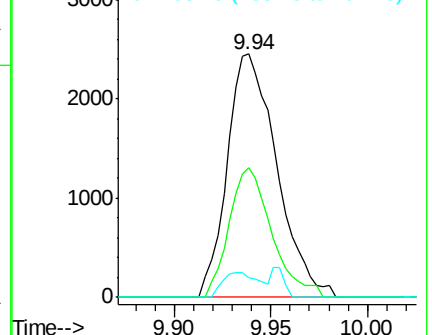
Manual Integrations
APPROVED

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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



#68

1,2-Dichlorobenzene-d4

Concen: 1.024 ug/l

RT: 11.84 min Scan# 3344

Delta R.T. 0.01 min

Lab File: VU034466.D

Acq: 11 Sep 2019 09:46

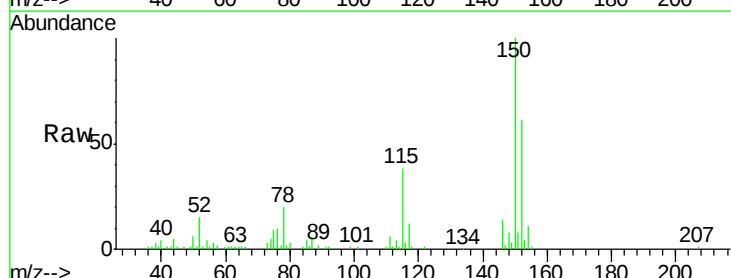
Tgt Ion:152 Resp: 23606

Ion Ratio Lower Upper

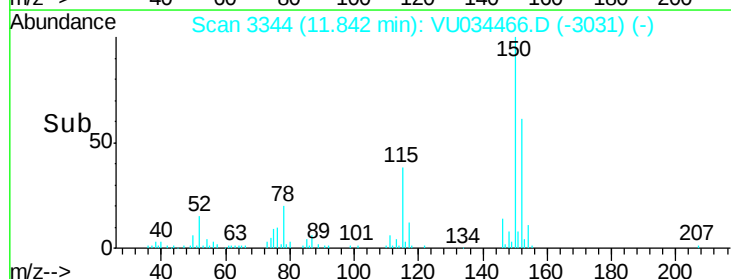
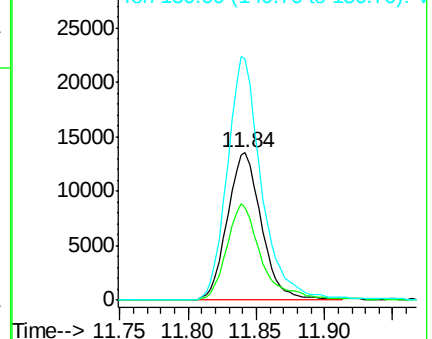
152 100

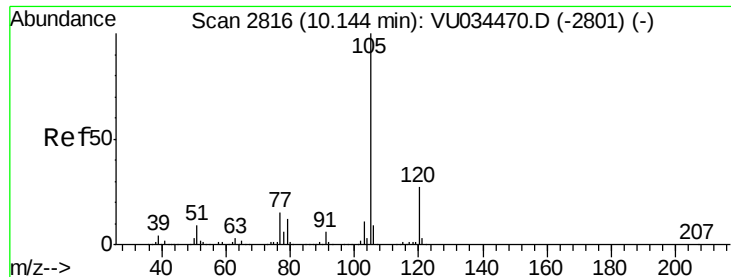
115 65.6 0.0 126.6

150 165.1 0.0 633.6



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: 0.439 ug/l

RT: 10.14 min Scan# 2816

Delta R.T. 0.00 min

Lab File: VU034466.D

Acq: 11 Sep 2019 09:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 105 Resp: 31000

Ion Ratio Lower Upper

105 100

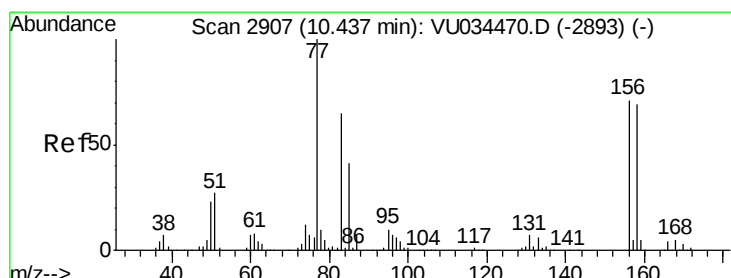
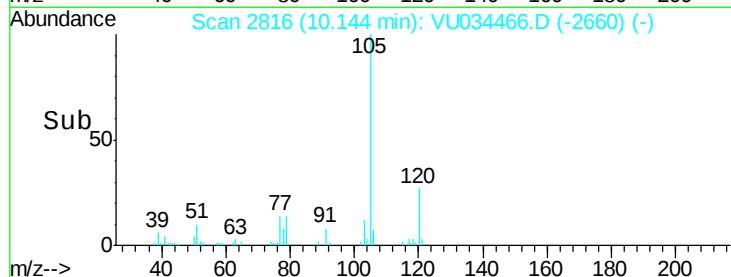
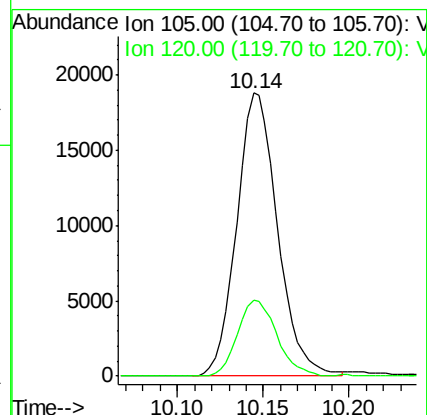
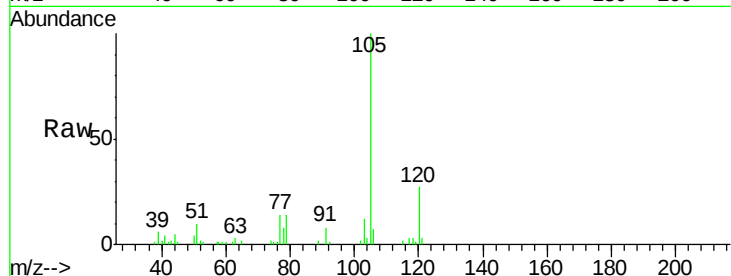
120 25.8 13.4 40.2

Manual Integrations

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#70

1,1,2,2-Tetrachloroethane

Concen: 0.456 ug/l

RT: 10.44 min Scan# 2907

Delta R.T. -0.00 min

Lab File: VU034466.D

Acq: 11 Sep 2019 09:46

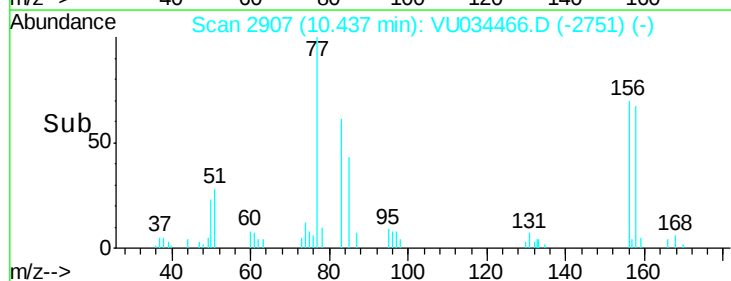
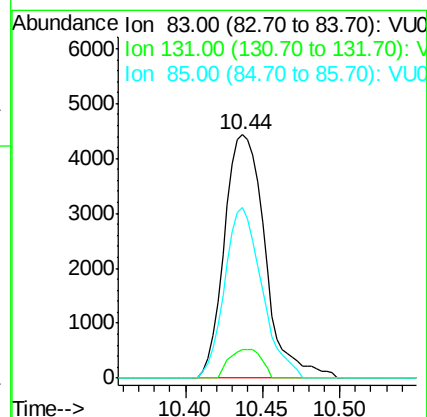
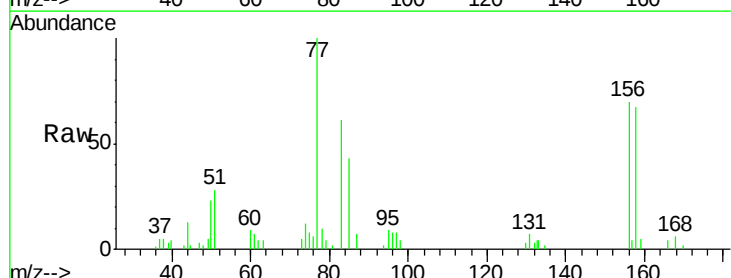
Tgt Ion: 83 Resp: 8120

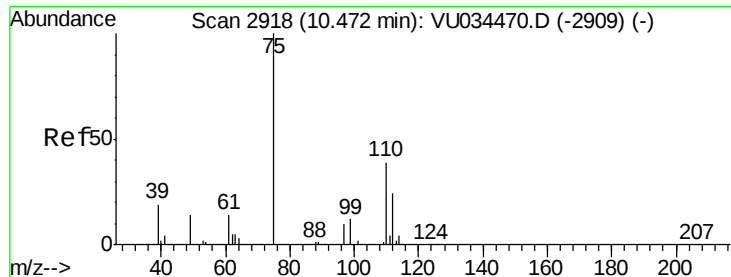
Ion Ratio Lower Upper

83 100

131 9.3 8.2 12.4

85 63.9 51.9 77.9





#71
1,2,3-Trichloropropane
Concen: 0.387 ug/l m
RT: 10.47 min Scan# 2918
Delta R.T. -0.00 min
Lab File: VU034466.D
Acq: 11 Sep 2019 09:46

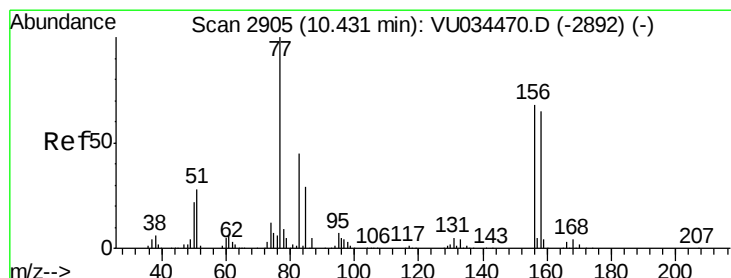
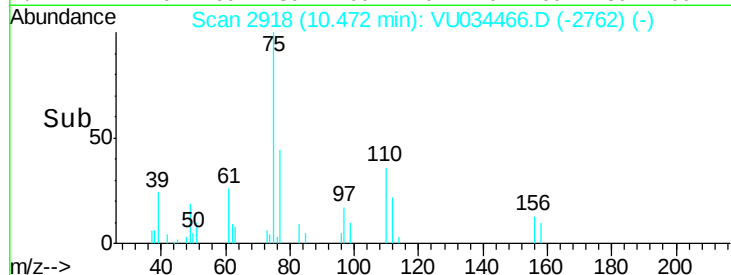
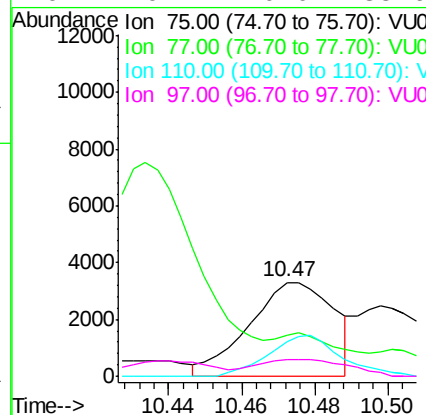
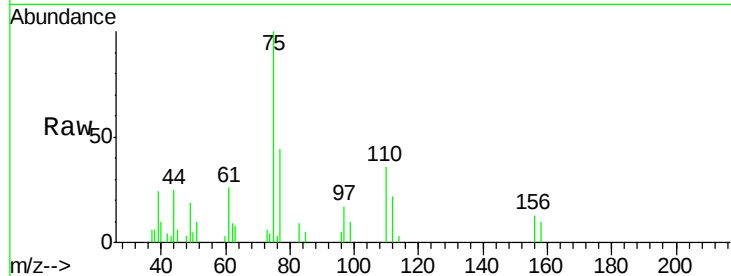
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0
110	37.3	0.0	66.8
97	19.4	0.0	35.6

Manual Integrations
APPROVED

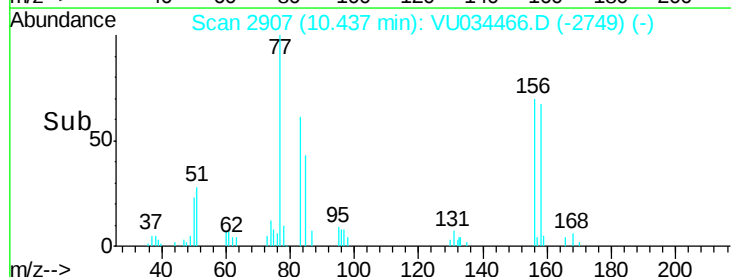
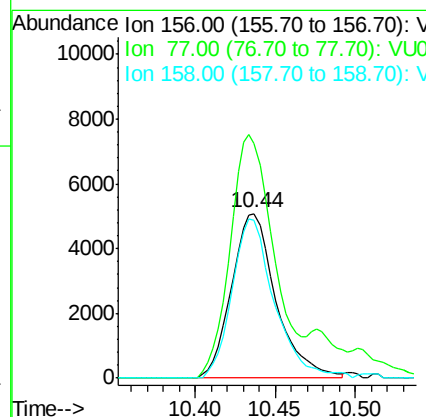
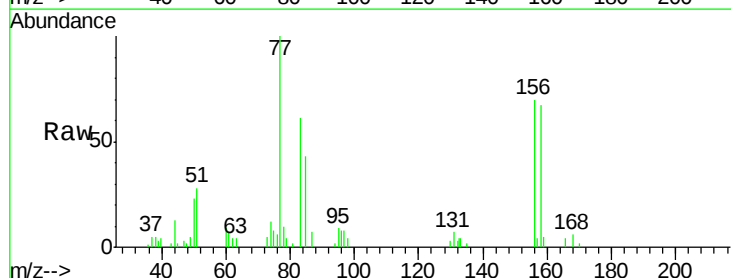
MMDadoda

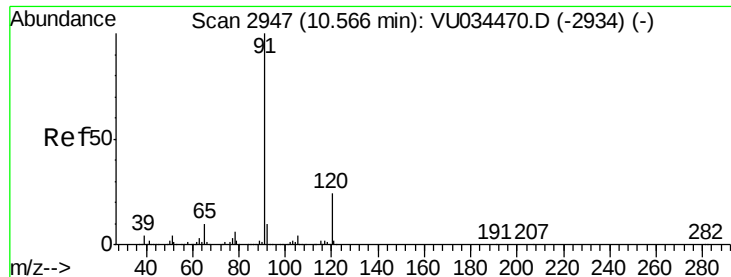
9/12/2019 4:53:12 PM



#72
Bromobenzene
Concen: 0.516 ug/l
RT: 10.44 min Scan# 2907
Delta R.T. 0.01 min
Lab File: VU034466.D
Acq: 11 Sep 2019 09:46

Tgt Ion	Ratio	Lower	Upper
156	100		
77	143.3	0.0	293.6
158	91.2	0.0	192.6





#73

n-propylbenzene

Concen: 0.436 ug/l

RT: 10.57 min Scan# 2947

Delta R.T. -0.00 min

Lab File: VU034466.D

Acq: 11 Sep 2019 09:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion:120 Resp: 8805

Ion Ratio Lower Upper

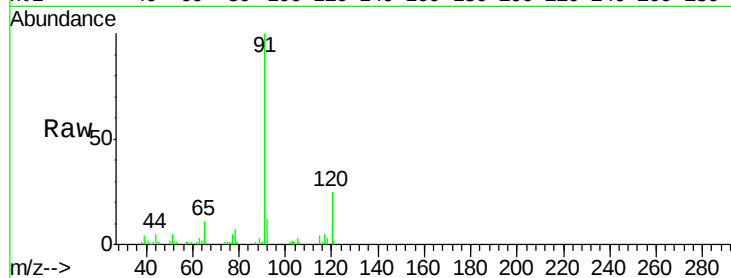
120 100

91 415.8 339.1 508.7

Manual Integrations
APPROVED

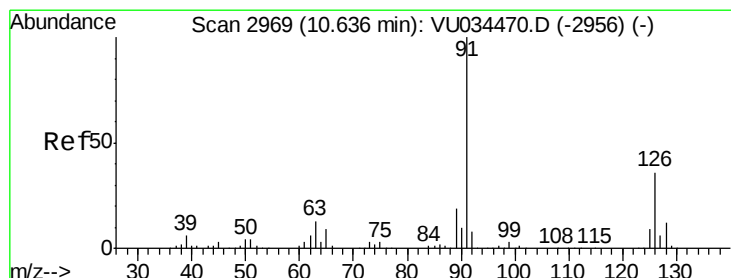
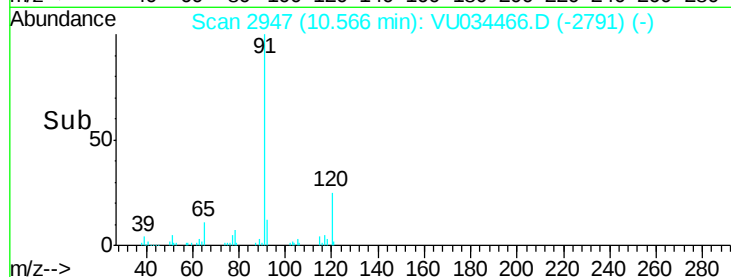
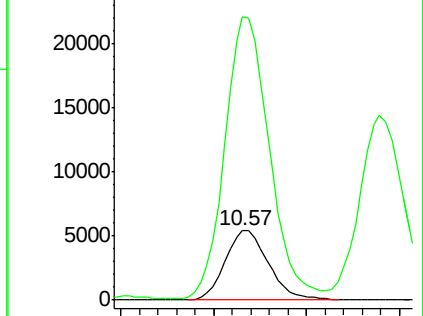
MMDadoda

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Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 0.452 ug/l

RT: 10.64 min Scan# 2970

Delta R.T. 0.00 min

Lab File: VU034466.D

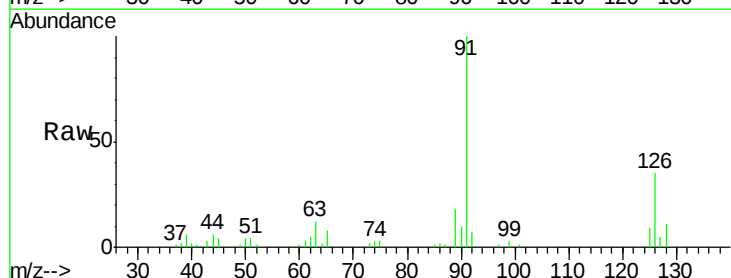
Acq: 11 Sep 2019 09:46

Tgt Ion:126 Resp: 8271

Ion Ratio Lower Upper

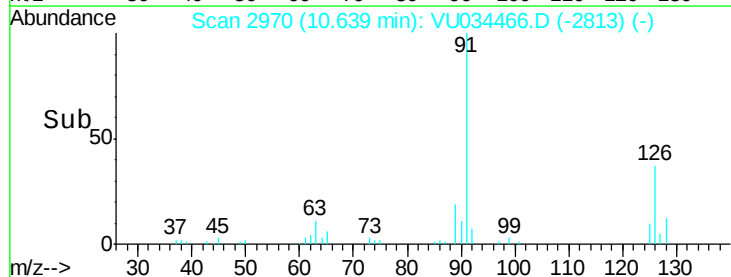
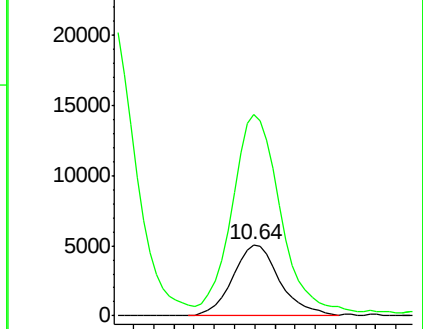
126 100

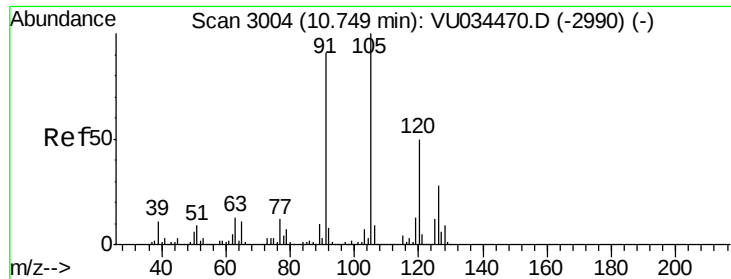
91 291.9 0.0 582.4



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#75

1,3,5-Trimethylbenzene

Concen: 0.415 ug/l

RT: 10.75 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VU034466.D

Acq: 11 Sep 2019 09:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion:105 Resp: 26189

Ion Ratio Lower Upper

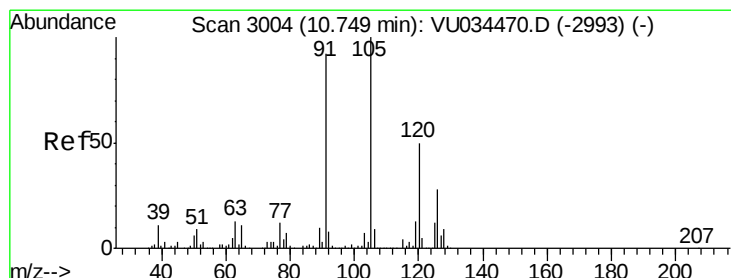
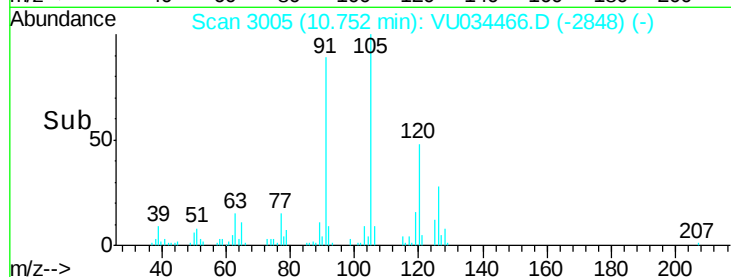
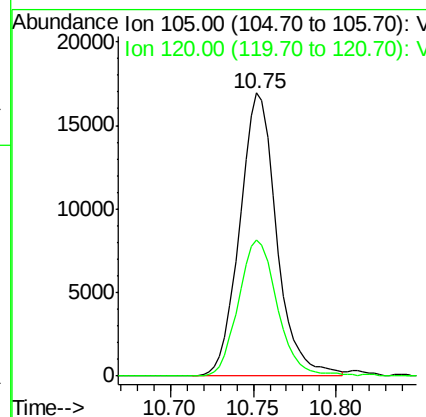
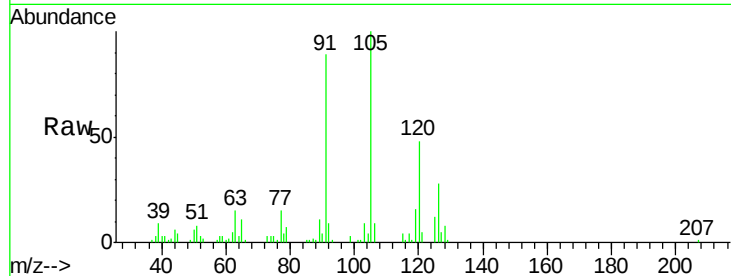
105 100

120 50.8 39.8 59.8

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#76

4-Chlorotoluene

Concen: 0.429 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. 0.01 min

Lab File: VU034466.D

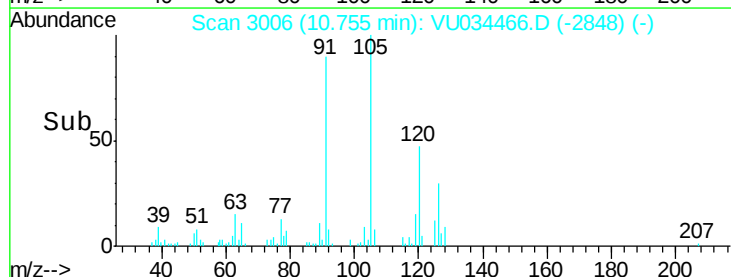
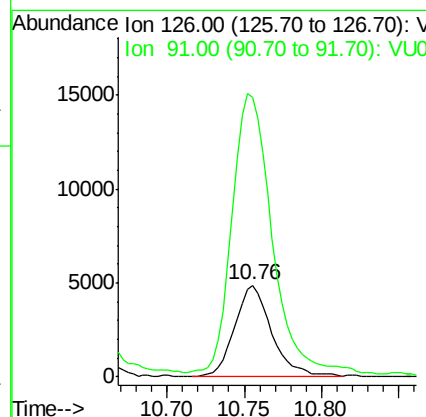
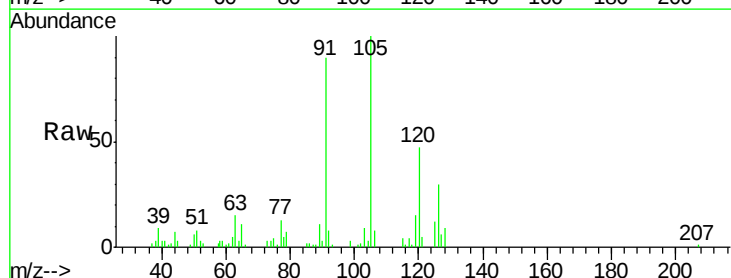
Acq: 11 Sep 2019 09:46

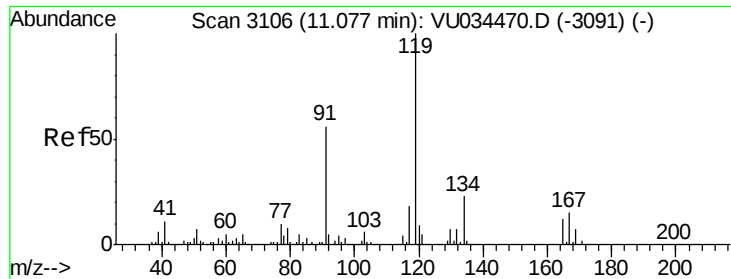
Tgt Ion:126 Resp: 8145

Ion Ratio Lower Upper

126 100

91 330.1 0.0 667.6





#77
 tert-Butylbenzene
 Concen: 0.450 ug/l
 RT: 11.08 min Scan# 3106
 Delta R.T. -0.00 min
 Lab File: VU034466.D
 Acq: 11 Sep 2019 09:46

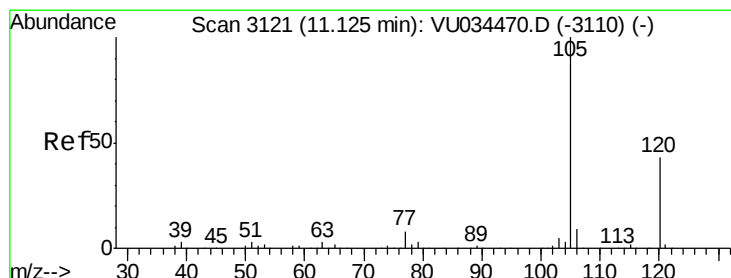
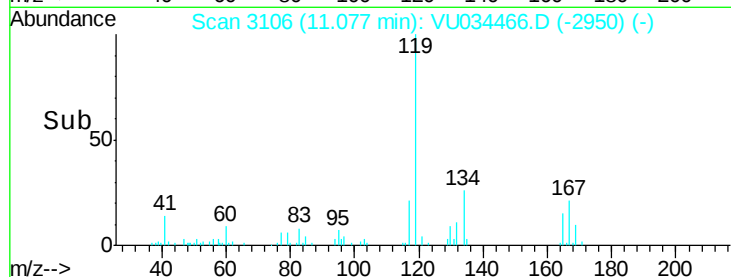
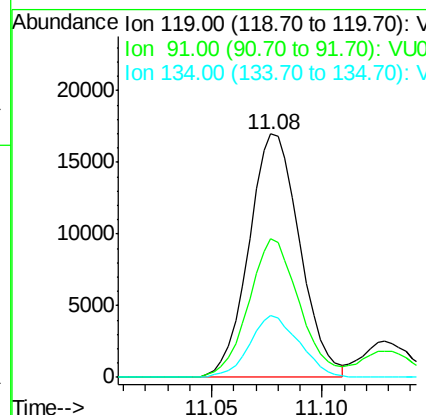
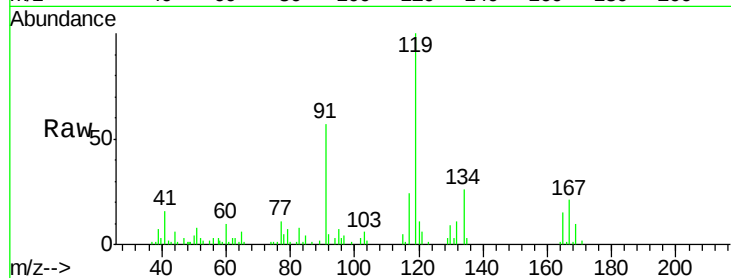
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
119	100		
91	56.7	27.8	83.3
134	24.8	18.4	27.6

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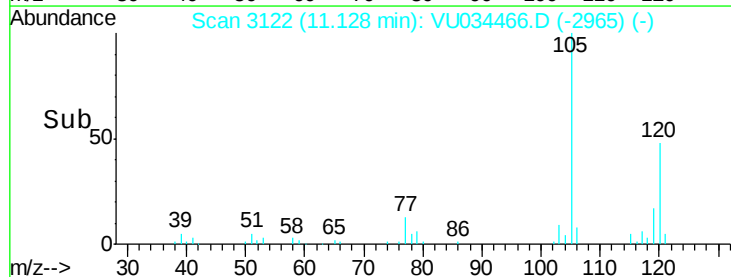
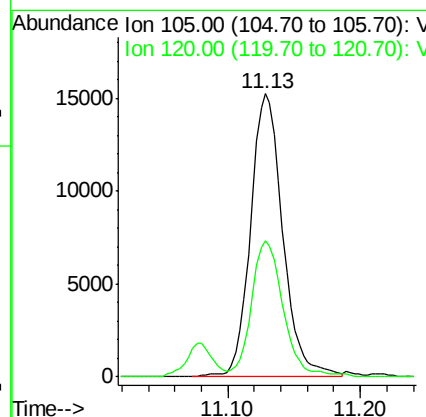
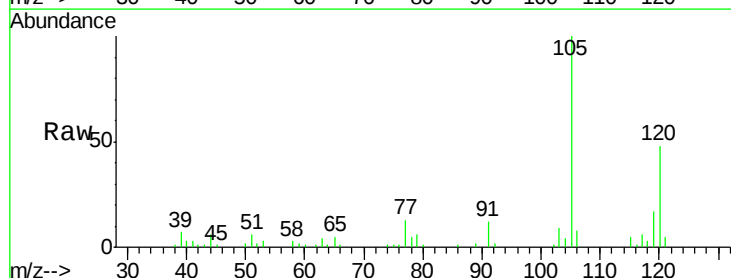
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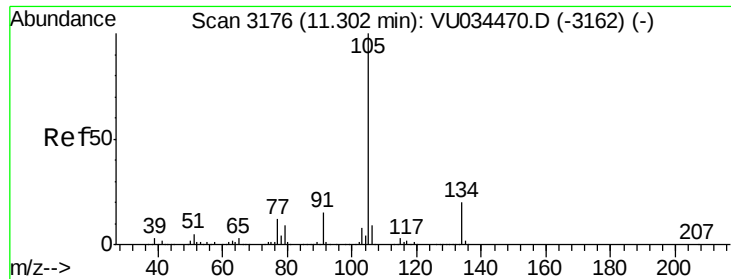
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#78
 1,2,4-Trimethylbenzene
 Concen: 0.399 ug/l
 RT: 11.13 min Scan# 3122
 Delta R.T. 0.00 min
 Lab File: VU034466.D
 Acq: 11 Sep 2019 09:46

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.1	69.2





#79
 sec-Butylbenzene
 Concen: 0.434 ug/l
 RT: 11.30 min Scan# 3176
 Delta R.T. -0.00 min
 Lab File: VU034466.D
 Acq: 11 Sep 2019 09:46

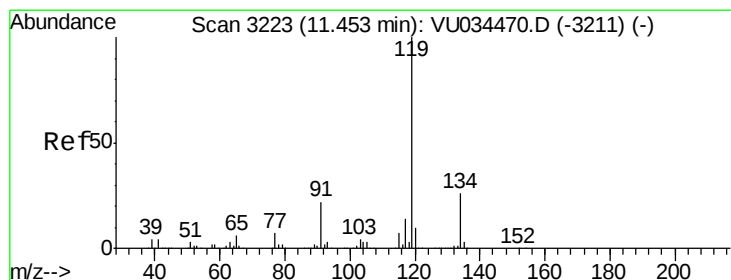
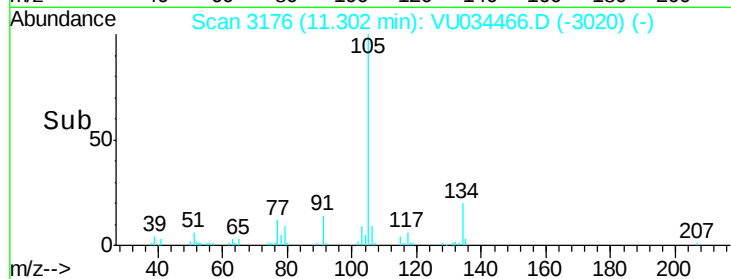
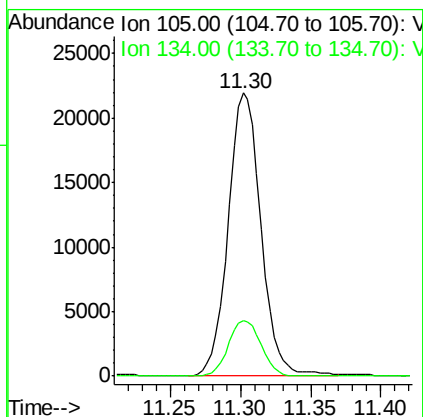
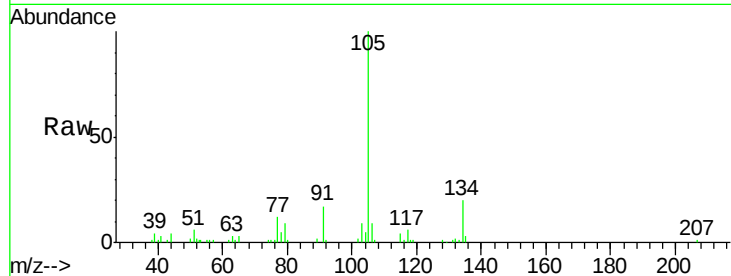
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.5	16.3	24.5

Manual Integrations
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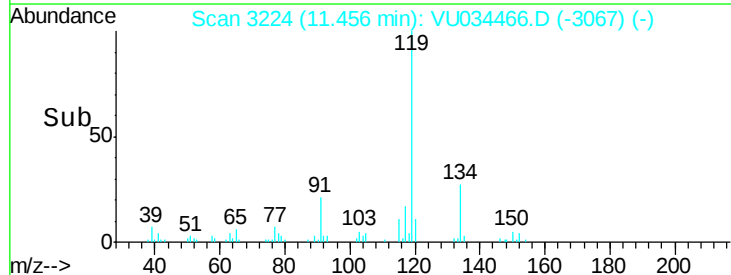
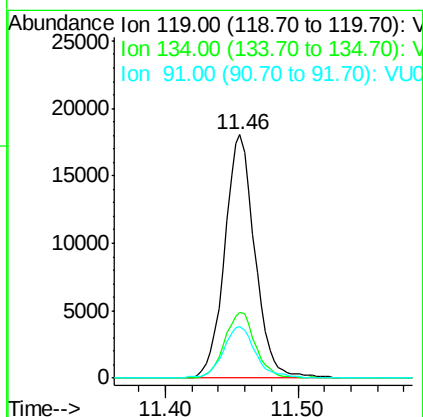
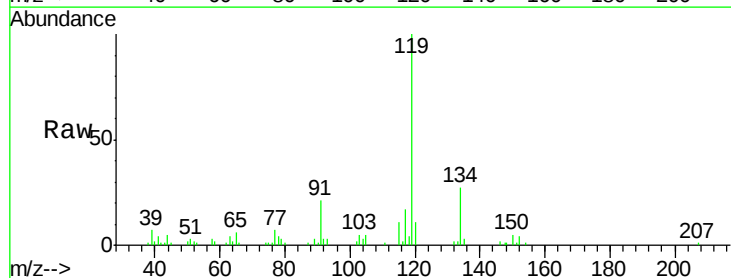
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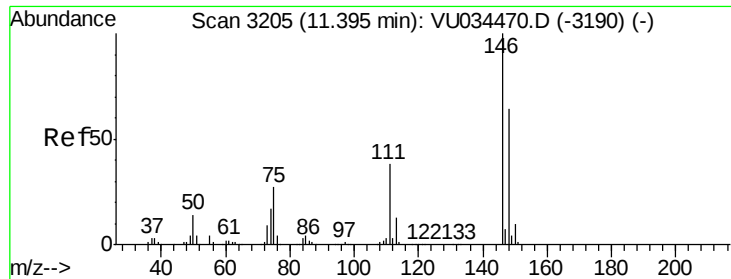
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#81
 p-Isopropyltoluene
 Concen: 0.423 ug/l
 RT: 11.46 min Scan# 3224
 Delta R.T. 0.00 min
 Lab File: VU034466.D
 Acq: 11 Sep 2019 09:46

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.5	21.2	31.8
91	22.8	17.6	26.4





#82
 1,3-Dichlorobenzene
 Concen: 0.476 ug/l
 RT: 11.40 min Scan# 3206
 Delta R.T. 0.00 min
 Lab File: VU034466.D
 Acq: 11 Sep 2019 09:46

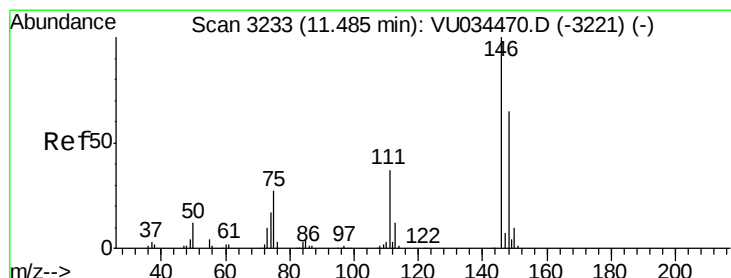
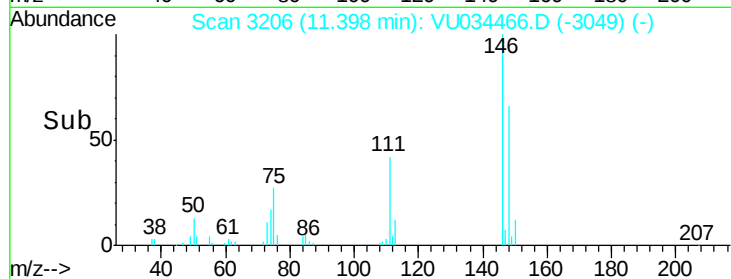
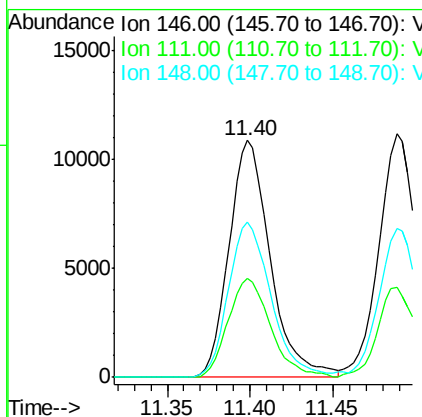
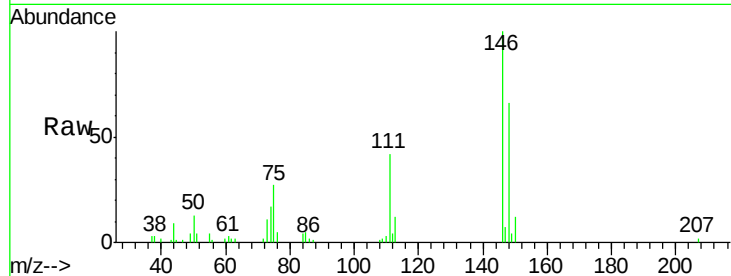
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	31.0	46.6
148	67.5	51.5	77.3

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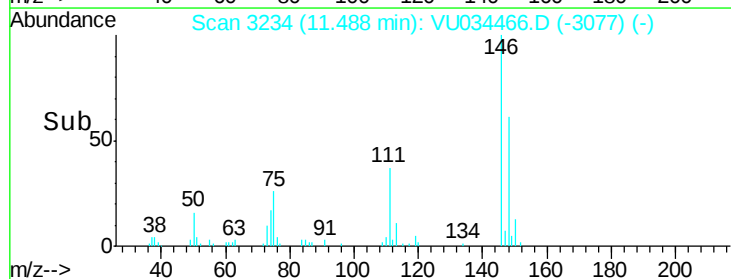
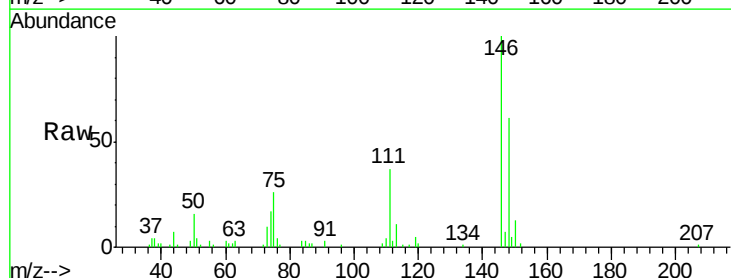
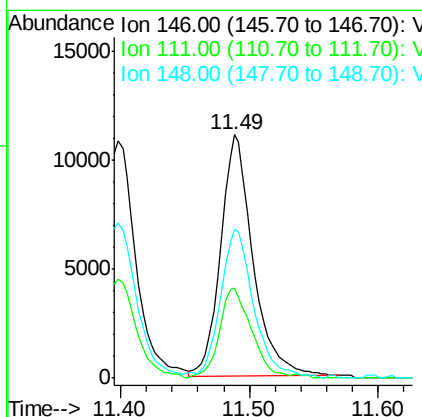
MMDadoda

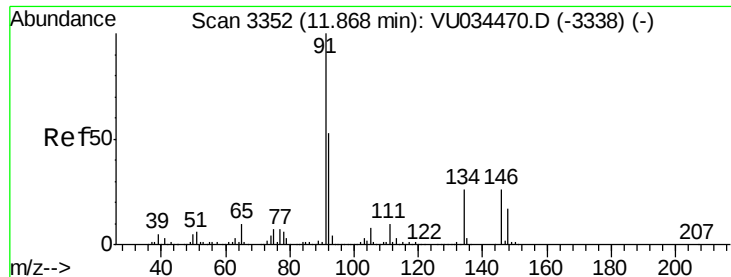
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#83
 1,4-Dichlorobenzene
 Concen: 0.497 ug/l
 RT: 11.49 min Scan# 3234
 Delta R.T. 0.00 min
 Lab File: VU034466.D
 Acq: 11 Sep 2019 09:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	29.5	44.3
148	62.7	51.0	76.4





#84
n-Butylbenzene
Concen: 0.402 ug/l
RT: 11.87 min Scan# 3352
Delta R.T. 0.00 min
Lab File: VU034466.D
Acq: 11 Sep 2019 09:46

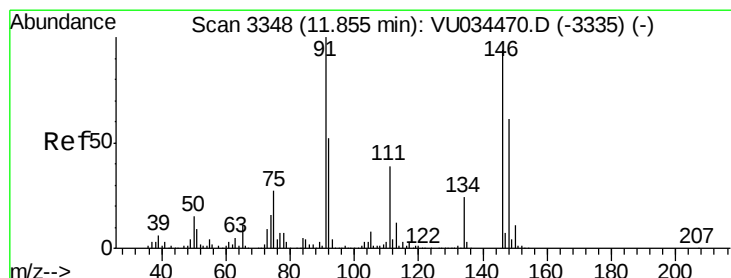
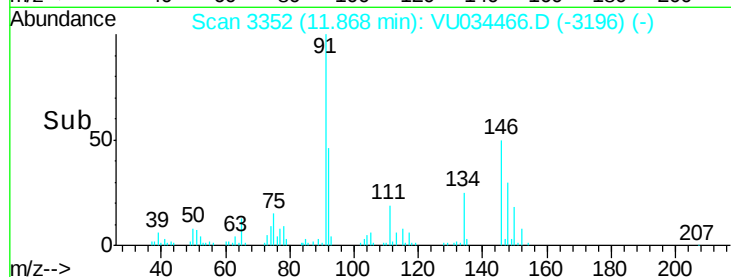
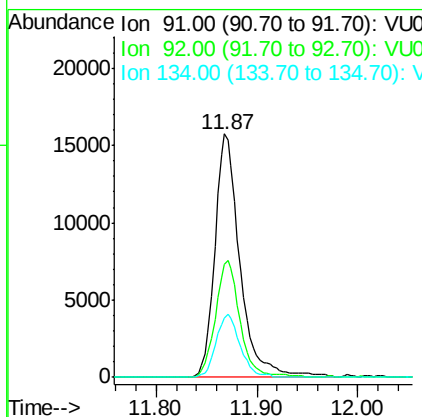
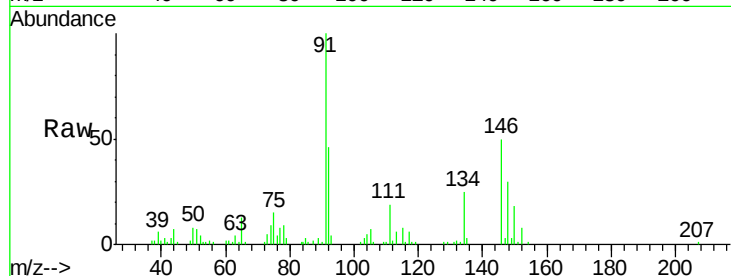
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
91	100		
92	45.8	42.4	63.6
134	24.6	21.0	31.4

Manual Integrations
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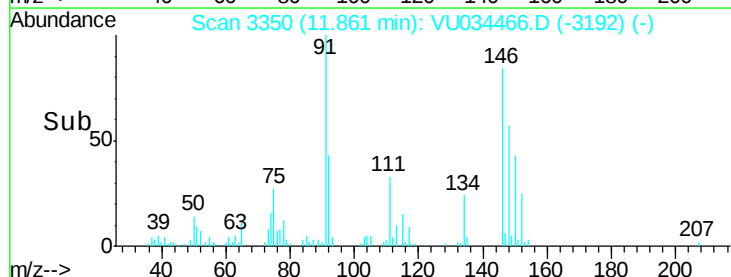
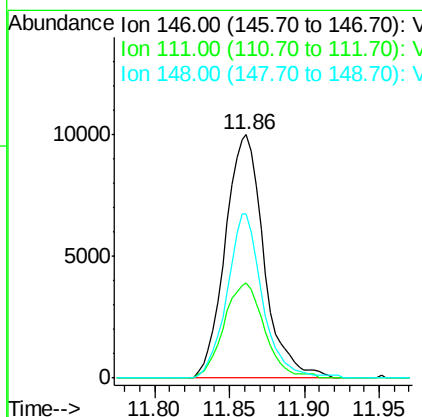
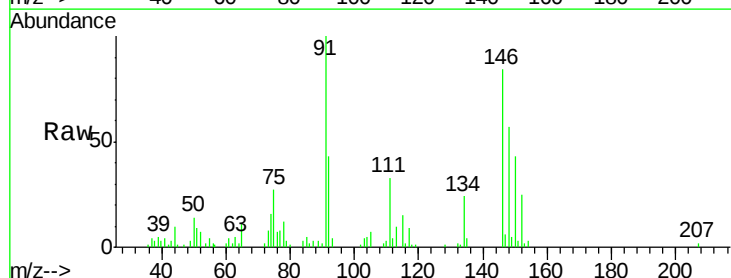
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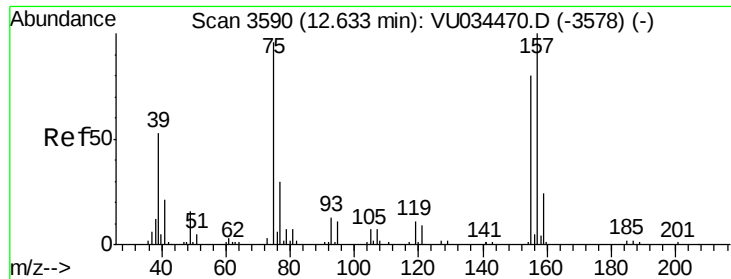
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#85
1,2-Dichlorobenzene
Concen: 0.487 ug/l
RT: 11.86 min Scan# 3350
Delta R.T. 0.01 min
Lab File: VU034466.D
Acq: 11 Sep 2019 09:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.3	60.8
148	61.5	32.2	96.6





#86
 1,2-Dibromo-3-Chloropropane
 Concen: 0.323 ug/l
 RT: 12.64 min Scan# 3593
 Delta R.T. 0.01 min
 Lab File: VU034466.D
 Acq: 11 Sep 2019 09:46

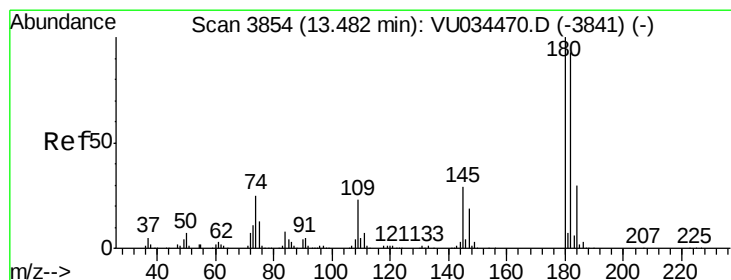
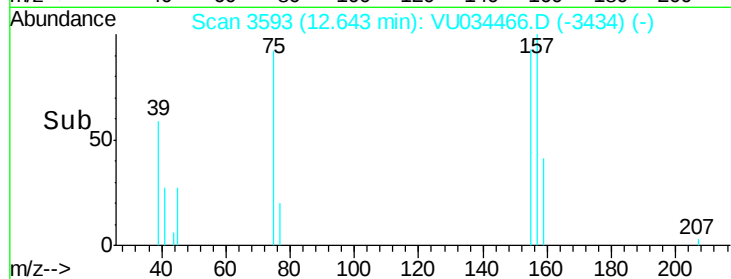
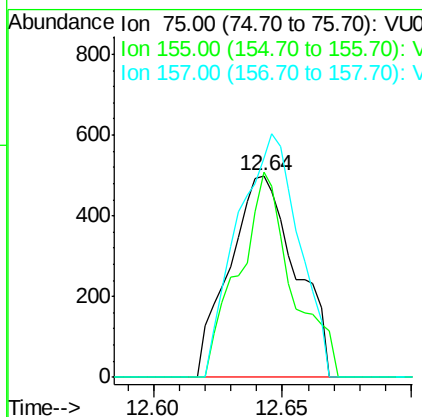
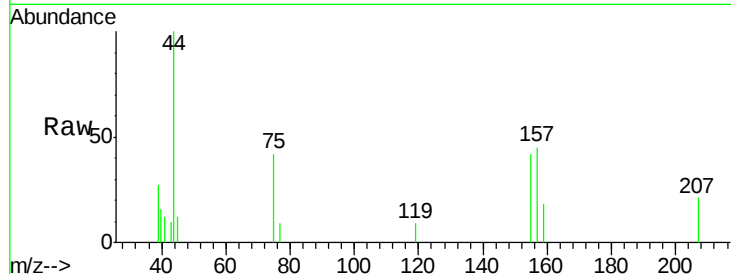
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
75	100		
155	81.7	68.9	103.3
157	112.2	89.9	134.9

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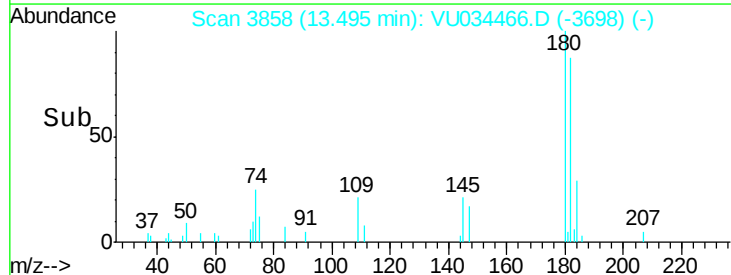
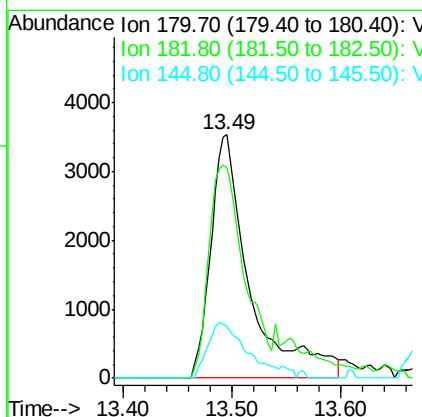
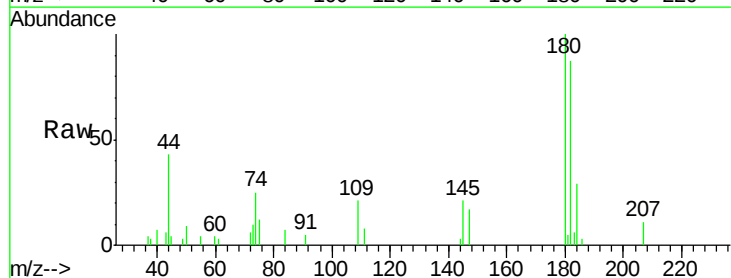
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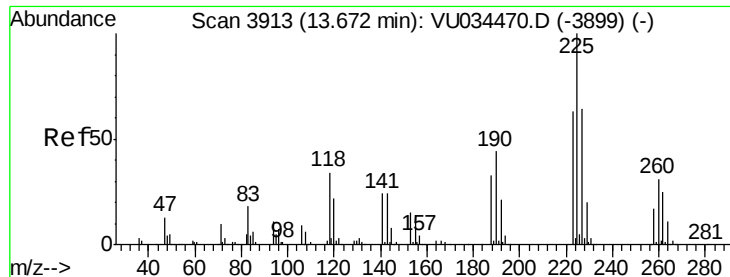
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#87
 1,2,4-Trichlorobenzene
 Concen: 0.399 ug/l m
 RT: 13.49 min Scan# 3858
 Delta R.T. 0.01 min
 Lab File: VU034466.D
 Acq: 11 Sep 2019 09:46

Tgt Ion	Ratio	Lower	Upper
180	100		
182	80.5	76.6	114.8
145	22.6	23.0	34.6#





#88

Hexachlorobutadiene

Concen: 0.576 ug/l

RT: 13.67 min Scan# 3913

Delta R.T. -0.00 min

Lab File: VU034466.D

Acq: 11 Sep 2019 09:46

Instrument :

MSVOA_U

ClientSampleId :

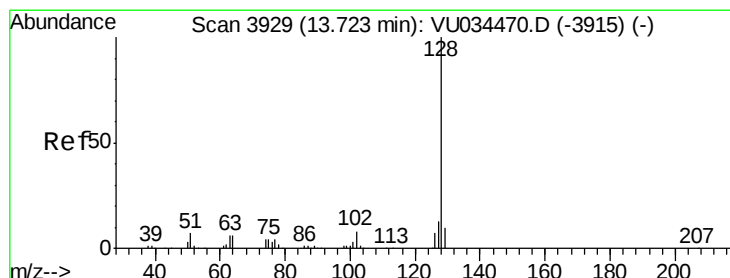
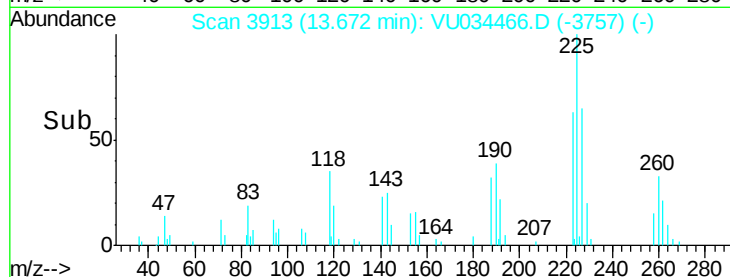
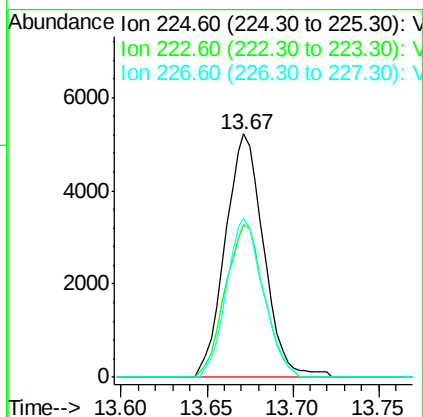
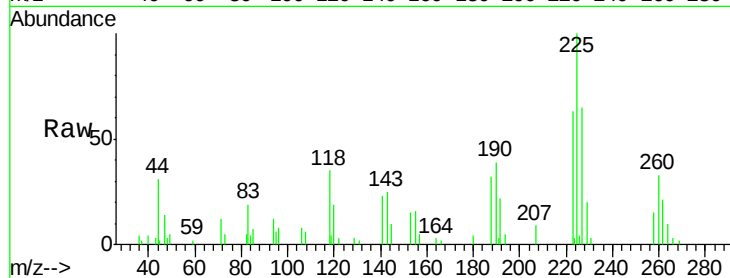
VSTDIC0.5

Tot Ion:	225	Resp:	8111
Ion Ratio	Lower	Upper	
225	100		
223	63.4	50.3	75.5
227	62.2	51.1	76.7

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#89

Naphthalene

Concen: 0.265 ug/l m

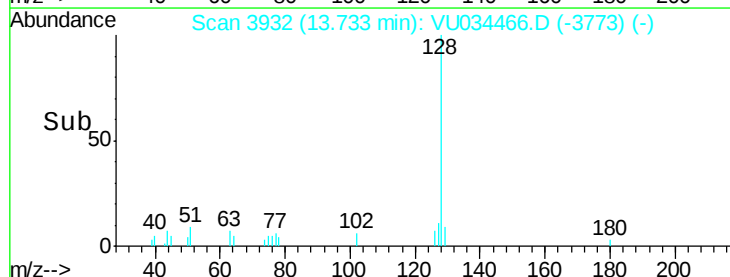
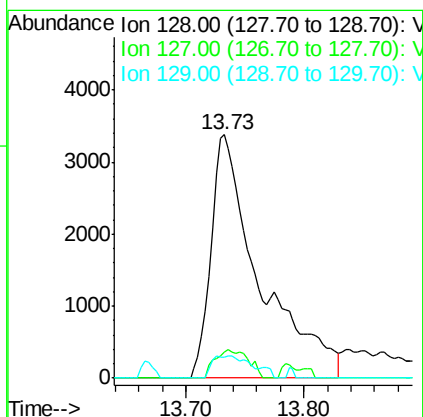
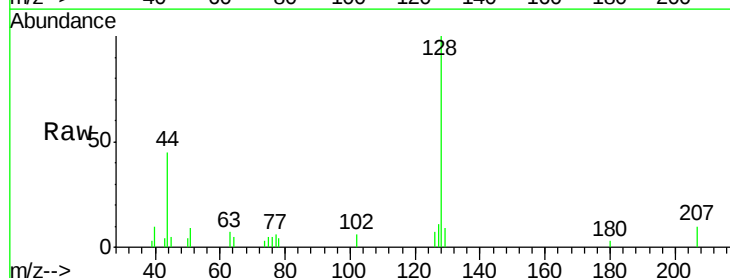
RT: 13.73 min Scan# 3932

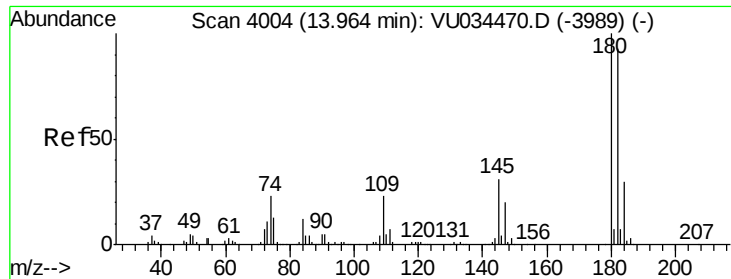
Delta R.T. 0.01 min

Lab File: VU034466.D

Acq: 11 Sep 2019 09:46

Tgt Ion:	128	Resp:	9581
Ion Ratio	Lower	Upper	
128	100		
127	8.0	10.2	15.2#
129	2.6	8.0	12.0#





#90
 1,2,3-Trichlorobenzene
 Concen: 0.374 ug/l m
 RT: 13.97 min Scan# 4007
 Delta R.T. 0.01 min
 Lab File: VU034466.D
 Acq: 11 Sep 2019 09:46

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
180	100		
182	88.6	75.4	113.2
145	25.6	24.5	36.7

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