

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U071119\
 Data File : VU033198.D
 Acq On : 11 Jul 2019 18:14
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 Client Sampled :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda

7/16/2019 4:03:19 PM

Quant Time: Jul 12 04:48:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U071119DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Jul 12 04:10:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.72	96	33196	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.29	95	12705	0.97	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.00%	
68) 1,2-Dichlorobenzene-d4	11.85	152	13329	0.99	ug/l	0.00
Spiked Amount 1.000			Recovery	=	99.00%	
Target Compounds					Ovalue	
2) Dichlorodifluoromethane	1.20	85	65392	4.738	ug/l	99
3) Chloromethane	1.32	50	73782	4.692	ug/l	100
4) Vinyl Chloride	1.40	62	78334	4.693	ug/l	100
5) Bromomethane	1.62	94	46787	5.033	ug/l	99
6) Chloroethane	1.69	64	48221	4.603	ug/l	95
7) Trichlorofluoromethane	1.88	101	106696	4.718	ug/l	99
8) 1,1,2-Trichloro-1,2,2-trif	2.27	101	54095	4.734	ug/l	99
9) 1,1-Dichloroethene	2.27	96	54413	4.697	ug/l	96
10) Iodomethane	2.40	142	62043	4.009	ug/l	99
11) Allyl Chloride	2.58	41	91456	4.582	ug/l	100
12) Acrylonitrile	2.92	53	29162	9.036	ug/l	98
13) Acetone	2.31	43	64637	22.634	ug/l	98
14) Carbon Disulfide	2.46	76	199365	4.650	ug/l	99
15) Methylene Chloride	2.68	84	68282	4.574	ug/l	99
16) trans-1,2-Dichloroethene	2.96	96	62258	4.671	ug/l	99
17) 1,1-Dichloroethane	3.42	63	91300	4.657	ug/l	98
18) 2-Butanone	4.25	43	66805	26.104	ug/l	99
19) Cyclohexane	4.97	56	71330m	4.824	ug/l	
20) Methylcyclohexane	6.39	83	74993	5.112	ug/l	97
21) 2,2-Dichloropropane	4.20	77	75639	4.424	ug/l	99
22) cis-1,2-Dichloroethene	4.20	96	52543	4.834	ug/l	99
23) Diethyl Ether	2.09	59	46729	4.778	ug/l	99
24) tert-Butyl Alcohol	2.82	59	55970	44.949	ug/l	100
25) Methyl tert-Butyl Ether	2.98	73	157271	4.765	ug/l	99
26) Bromochloromethane	4.52	128	22458	4.638	ug/l	97
27) Chloroform	4.65	83	95794	4.378	ug/l	98
28) 1,1,1-Trichloroethane	4.89	97	80160	4.676	ug/l	99
29) 1,1-Dichloropropene	5.11	75	68300	4.815	ug/l	98
30) Carbon Tetrachloride	5.11	117	69868	4.558	ug/l	99
31) Isopropyl Ether	3.55	45	122655	4.736	ug/l	97
32) Ethyl-t-butyl ether	4.05	59	116990	4.738	ug/l	97
33) Tert-Amyl methyl ether	5.56	73	111999	5.031	ug/l	99
34) Propionitrile	4.31	54	19413	26.203	ug/l	98
35) Benzene	5.36	78	199218	4.828	ug/l	99
36) 1,2-Dichloroethane	5.38	62	62983	4.727	ug/l	99
37) Trichloroethene	6.16	130	51416	4.829	ug/l	98
38) 1,2-Dichloropropane	6.41	63	53667	4.723	ug/l	95
39) Methacrylonitrile	4.53	41	15933	5.184	ug/l	98
40) Methyl acrylate	4.41	55	23197	5.003	ug/l #	96
41) Tetrahydrofuran	4.63	42	16643	10.616	ug/l	96
42) 1-Chlorobutane	5.04	56	92877	4.817	ug/l	99

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 Sample : VSTDIC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Manual Integrations
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Quant Time: Jul 12 04:48:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U071119DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Jul 12 04:10:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.54	93	28952	4.857	ug/l	96
44) Bromodichloromethane	6.74	83	68871	4.641	ug/l	98
45) 4-Methyl-2-Pentanone	7.45	43	162928	25.764	ug/l	99
46) t-1,4-Dichloro-2-butene	10.50	75	29217m	10.233	ug/l	
47) Methyl methacrylate	6.61	69	49654	10.734	ug/l	99
48) Ethyl methacrylate	8.00	69	43901	5.126	ug/l	99
49) Toluene	7.62	92	119830	4.930	ug/l	99
50) t-1,3-Dichloropropene	7.86	75	63567	4.965	ug/l	99
51) cis-1,3-Dichloropropene	7.25	75	73515	4.884	ug/l	97
52) 1,1,2-Trichloroethane	8.05	97	39473	4.803	ug/l	98
53) 1,3-Dichloropropane	8.22	76	67179	4.866	ug/l	100
54) 2-Hexanone	8.35	43	114092	26.491	ug/l	99
55) Dibromochloromethane	8.46	129	46855	4.881	ug/l	96
56) 1,2-Dibromoethane	8.57	107	36482	4.855	ug/l	98
58) Tetrachloroethene	8.21	164	47246	4.843	ug/l	98
59) Chlorobenzene	9.10	112	131266	4.851	ug/l	97
60) 1,1,1,2-Tetrachloroethane	9.19	131	48410	4.673	ug/l	99
61) Pentachloroethane	11.09	117	38374	4.560	ug/l	98
62) Hexachloroethane	12.13	117	36819	4.556	ug/l	98
63) Ethyl Benzene	9.23	91	222998	5.003	ug/l	100
64) m/p-Xylenes	9.36	106	180546	10.394	ug/l	100
65) o-Xylene	9.76	106	85915	5.151	ug/l	97
66) Styrene	9.77	104	147995	5.269	ug/l	100
67) Bromoform	9.94	173	25655	4.882	ug/l	100
69) Isopropylbenzene	10.15	105	221955	5.096	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.44	83	53132	4.887	ug/l	99
71) 1,2,3-Trichloropropane	10.48	75	39184m	5.007	ug/l	
72) Bromobenzene	10.43	156	55839	5.023	ug/l	99
73) n-propylbenzene	10.57	120	63324	5.228	ug/l	96
74) 2-Chlorotoluene	10.64	126	55945	5.052	ug/l	95
75) 1,3,5-Trimethylbenzene	10.76	105	200703	5.202	ug/l	99
76) 4-Chlorotoluene	10.76	126	57958	4.994	ug/l	92
77) tert-Butylbenzene	11.08	119	183596	4.991	ug/l	98
78) 1,2,4-Trimethylbenzene	11.13	105	207041	5.297	ug/l	100
79) sec-Butylbenzene	11.31	105	257841	5.128	ug/l	98
80) Nitrobenzene	12.85	77	8545	31.766	ug/l #	98
81) p-Isopropyltoluene	11.46	119	213196	5.268	ug/l	100
82) 1,3-Dichlorobenzene	11.40	146	115839	4.960	ug/l	100
83) 1,4-Dichlorobenzene	11.49	146	118590	5.151	ug/l	99
84) n-Butylbenzene	11.87	91	208574	5.275	ug/l	99
85) 1,2-Dichlorobenzene	11.86	146	109225	5.050	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.64	75	8689	5.176	ug/l	96
87) 1,2,4-Trichlorobenzene	13.49	180	67637	5.680	ug/l	98
88) Hexachlorobutadiene	13.68	225	38390	4.970	ug/l	99
89) Naphthalene	13.73	128	125405	6.271	ug/l	99
90) 1,2,3-Trichlorobenzene	13.97	180	65739	5.677	ug/l	100

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

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 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

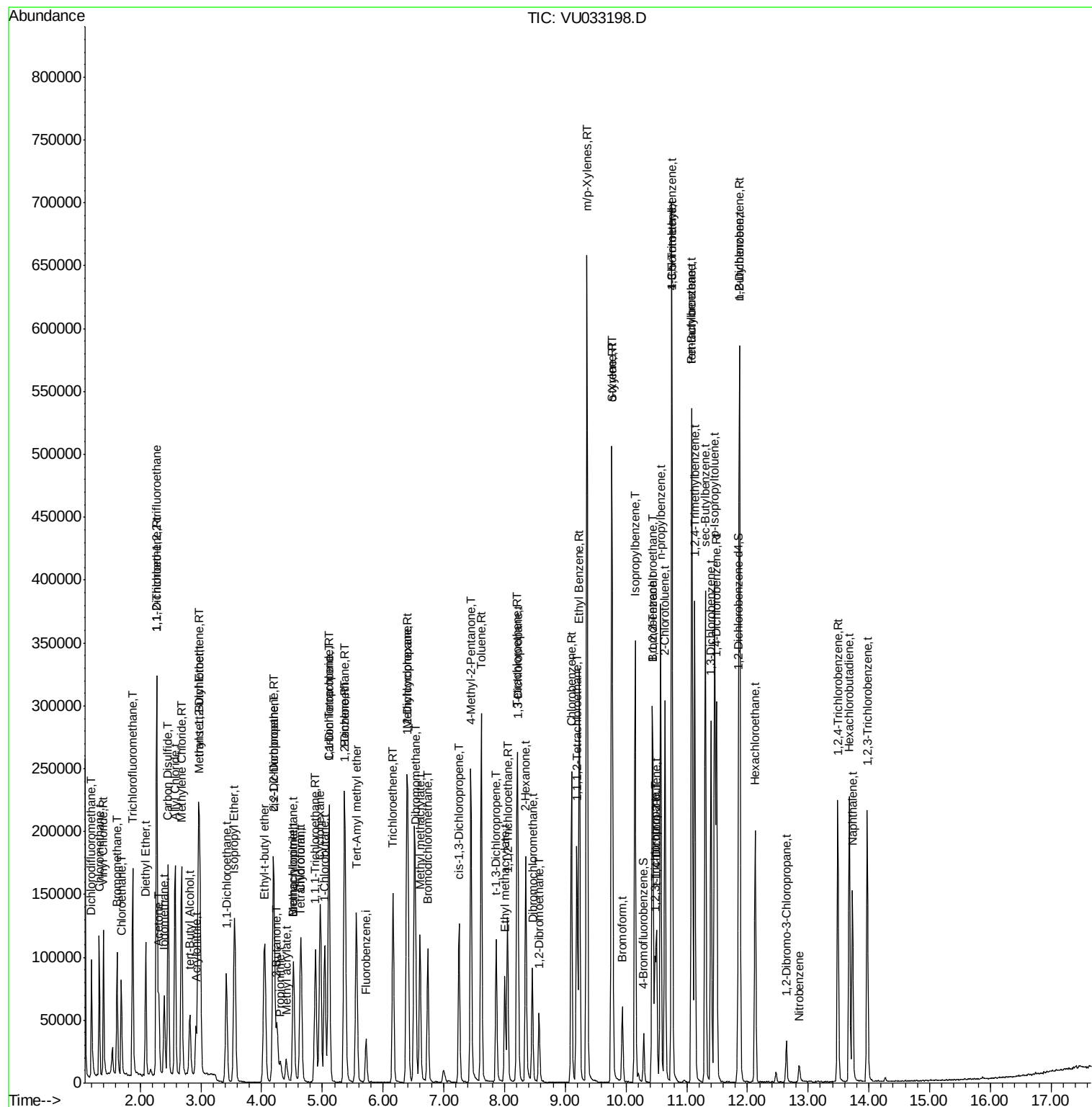
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

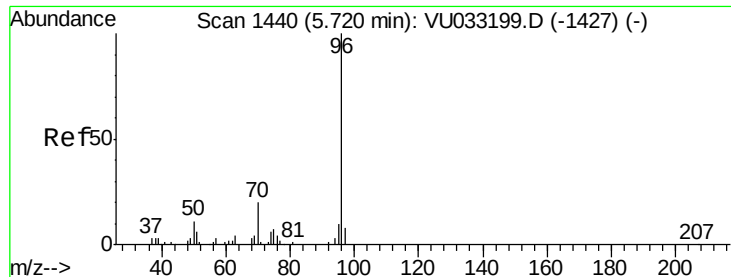
Manual Integrations
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#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.72 min Scan# 1441

Delta R.T. 0.00 min

Lab File: VU033198.D

Acq: 11 Jul 2019 18:14

Instrument :

MSVOA_U

ClientSampleId :

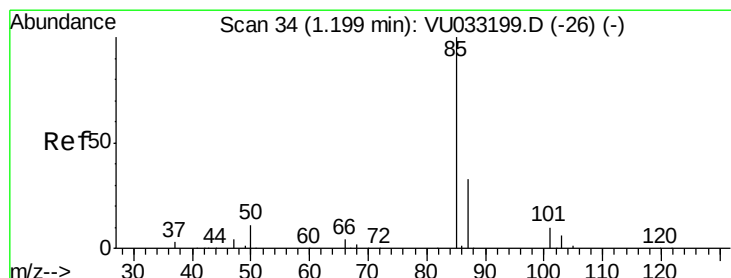
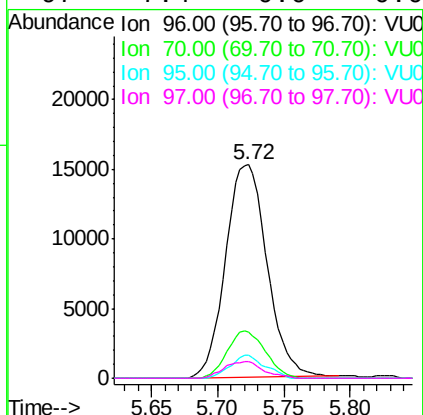
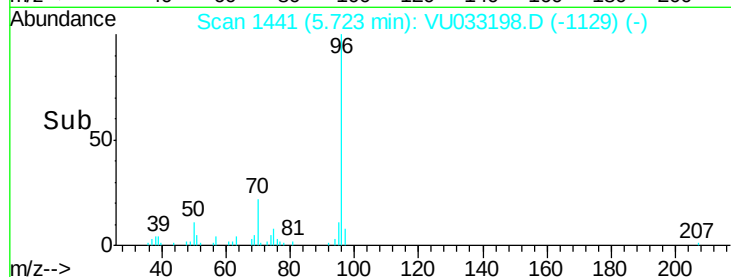
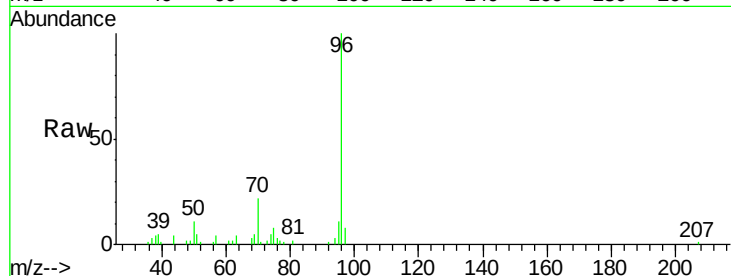
VSTDIC005

Tot Ion:	96	Resp:	33196
Ion Ratio	Lower	Upper	
96	100		
70	20.4	16.2	24.4
95	9.0	7.8	11.8
97	7.4	0.0	0.0#

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7/16/2019 4:03:19 PM



#2

Dichlorodifluoromethane

Concen: 4.738 ug/l

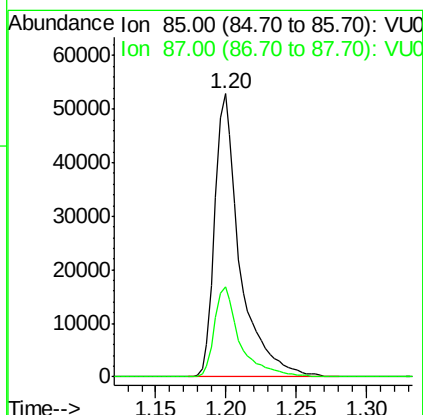
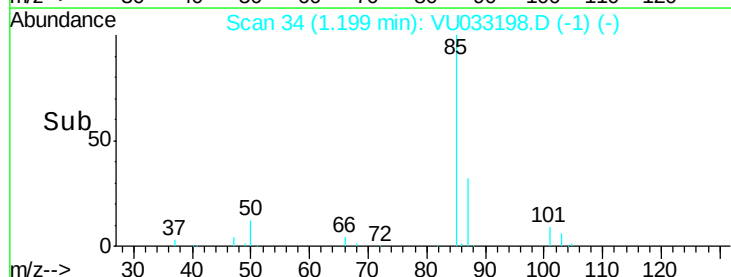
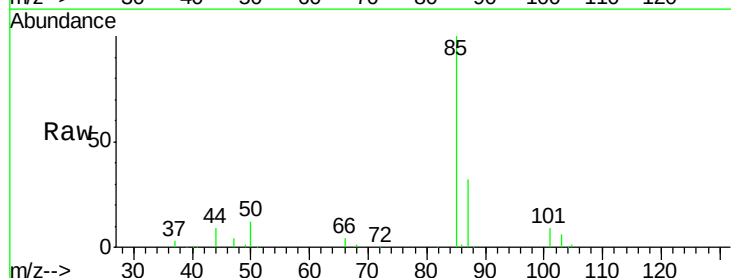
RT: 1.20 min Scan# 34

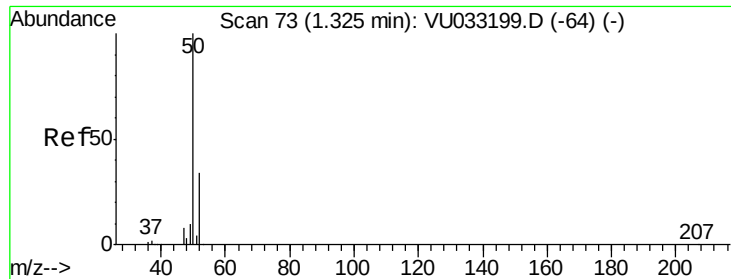
Delta R.T. -0.00 min

Lab File: VU033198.D

Acq: 11 Jul 2019 18:14

Tgt Ion:	85	Resp:	65392
Ion Ratio	Lower	Upper	
85	100		
87	32.0	16.4	49.1





#3

Chloromethane

Concen: 4.692 ug/l

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU033198.D

Acq: 11 Jul 2019 18:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 73782

Ion Ratio Lower Upper

50 100

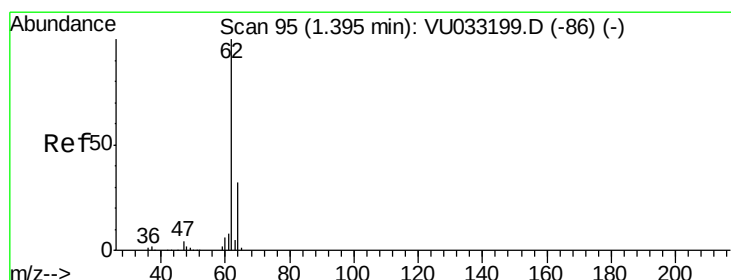
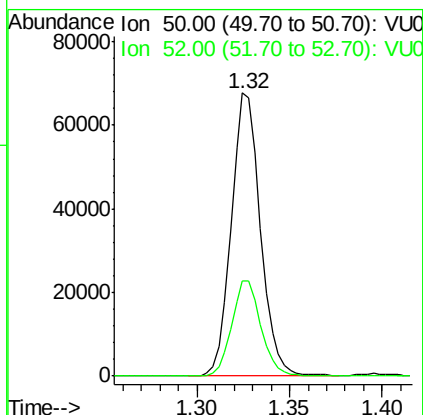
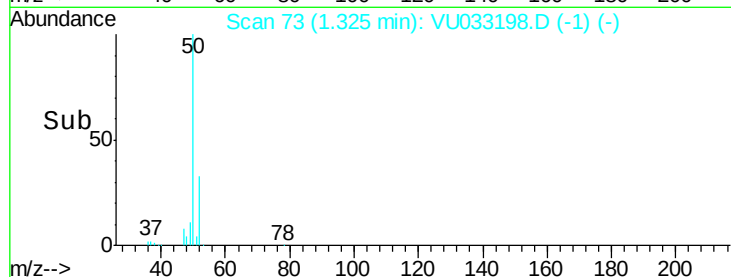
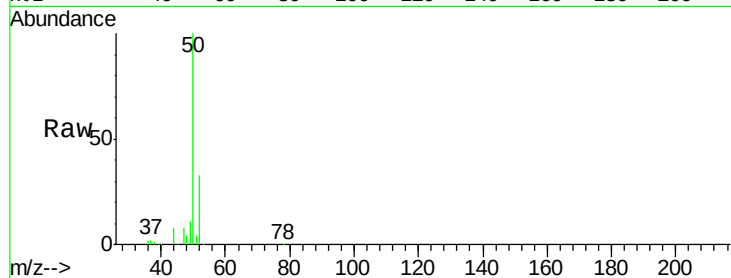
52 33.4 27.0 40.4

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7/16/2019 4:03:19 PM



#4

Vinyl Chloride

Concen: 4.693 ug/l

RT: 1.40 min Scan# 95

Delta R.T. -0.00 min

Lab File: VU033198.D

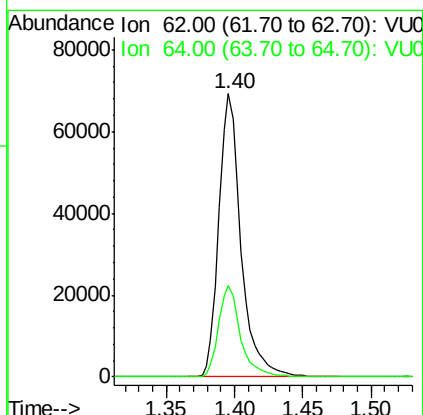
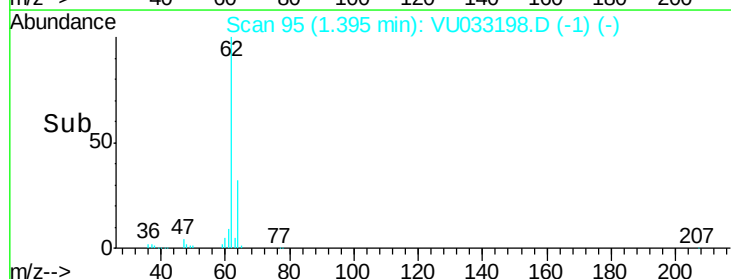
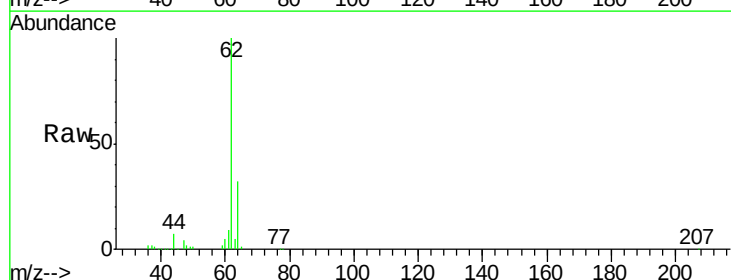
Acq: 11 Jul 2019 18:14

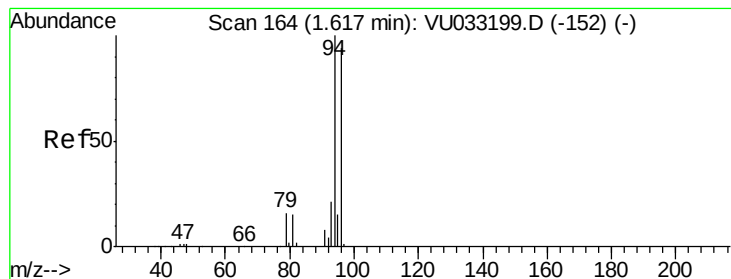
Tgt Ion: 62 Resp: 78334

Ion Ratio Lower Upper

62 100

64 32.3 25.7 38.5





#5

Bromomethane

Concen: 5.033 ug/l

RT: 1.62 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU033198.D

Acq: 11 Jul 2019 18:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 46787

Ion Ratio Lower Upper

94 100

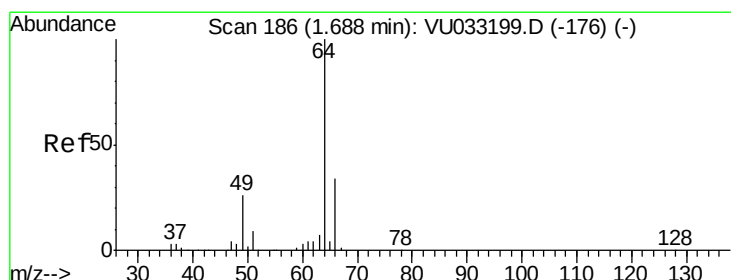
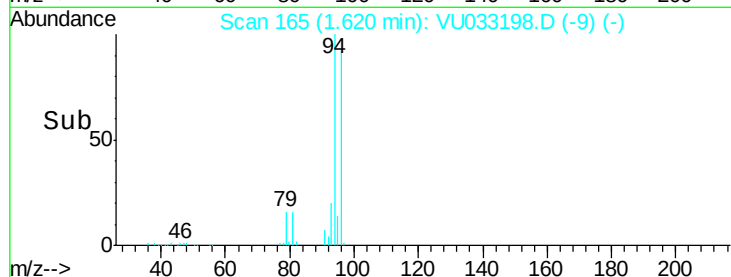
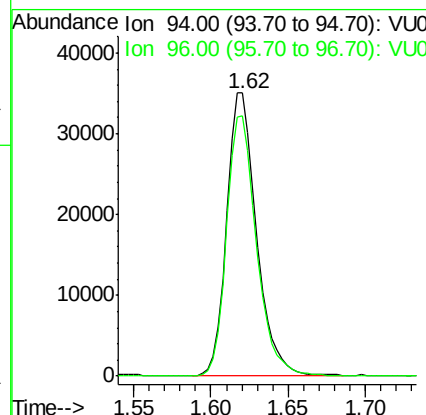
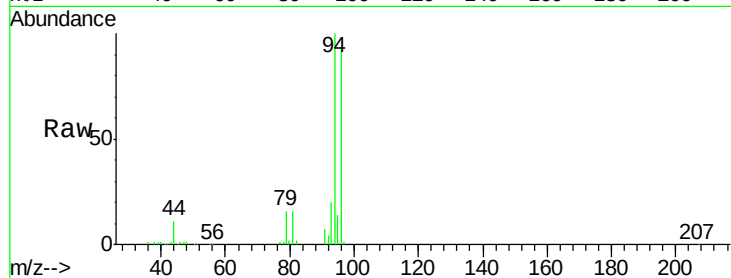
96 92.1 74.8 112.2

Manual Integrations

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7/16/2019 4:03:19 PM



#6

Chloroethane

Concen: 4.603 ug/l

RT: 1.69 min Scan# 186

Delta R.T. -0.00 min

Lab File: VU033198.D

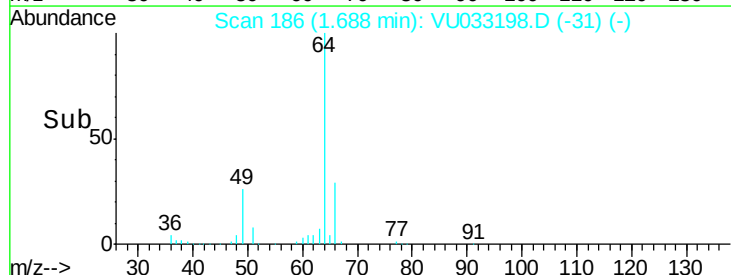
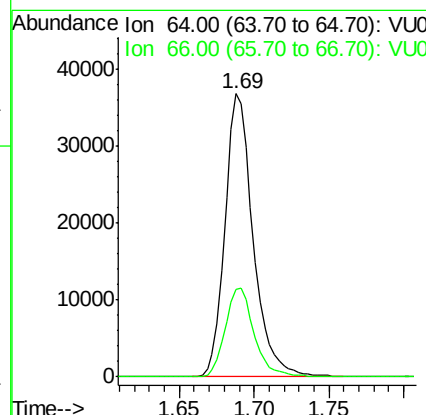
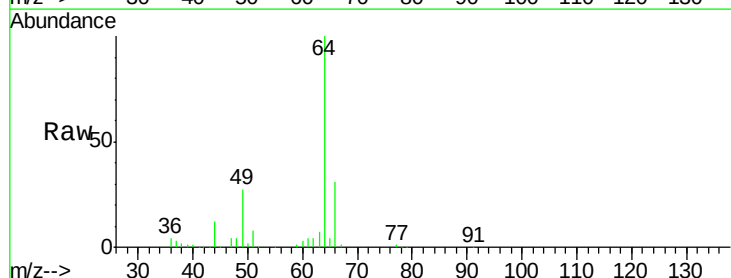
Acq: 11 Jul 2019 18:14

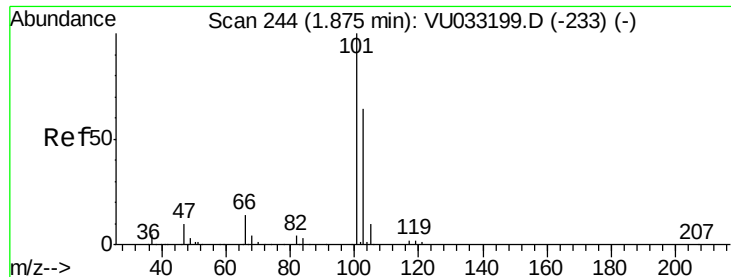
Tgt Ion: 64 Resp: 48221

Ion Ratio Lower Upper

64 100

66 30.7 27.0 40.4





#7

Trichlorofluoromethane
Concen: 4.718 ug/l
RT: 1.88 min Scan# 245
Delta R.T. 0.00 min
Lab File: VU033198.D
Acq: 11 Jul 2019 18:14

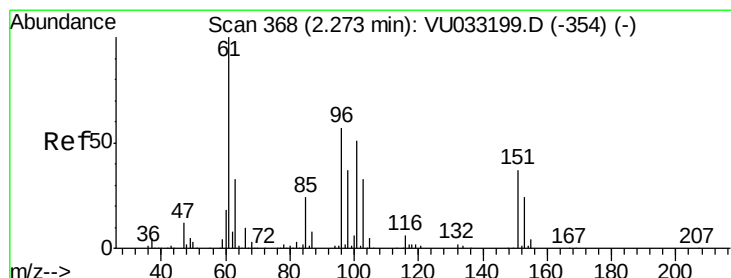
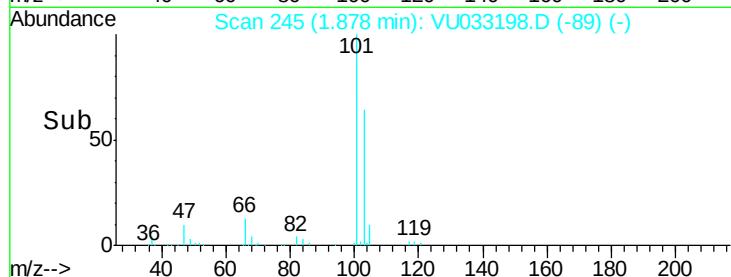
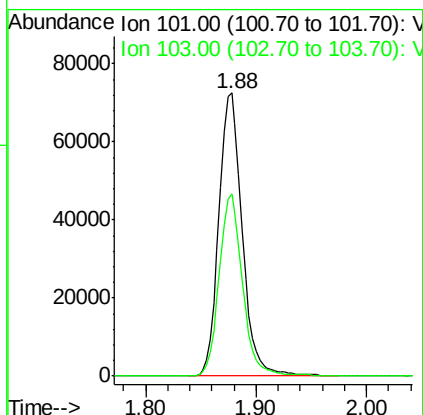
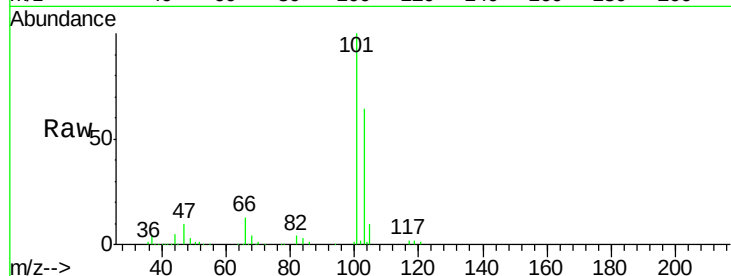
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
101	100	106696		
103	64.4	51.0	76.6	

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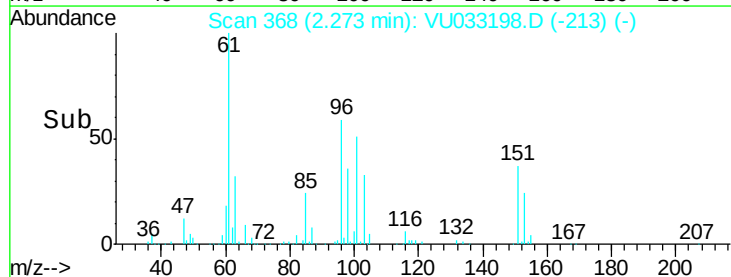
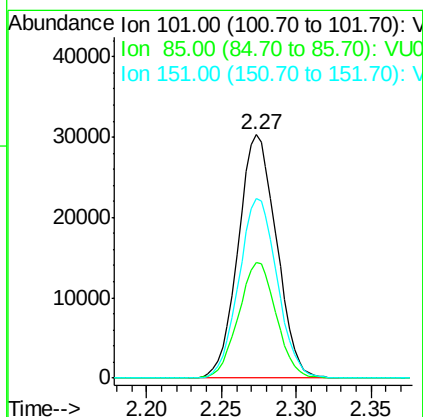
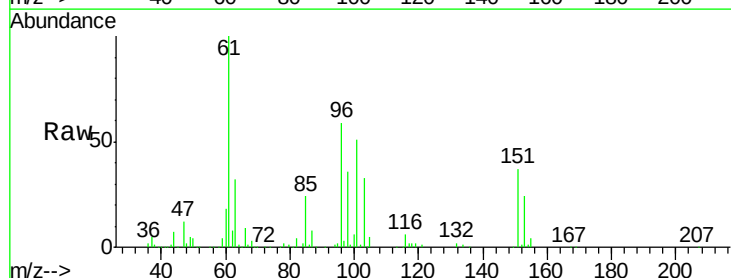
7/16/2019 4:03:19 PM

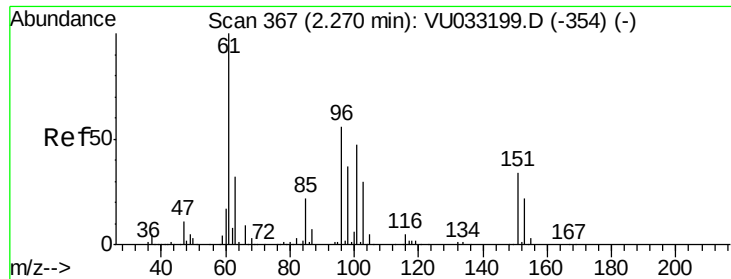


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.734 ug/l
RT: 2.27 min Scan# 368
Delta R.T. -0.00 min
Lab File: VU033198.D
Acq: 11 Jul 2019 18:14

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	54095		
85	46.7	37.7	56.5	
151	73.6	58.2	87.2	





#9

1,1-Dichloroethene

Concen: 4.697 ug/l

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU033198.D

Acq: 11 Jul 2019 18:14

Instrument :

MSVOA_U

ClientSampleId :

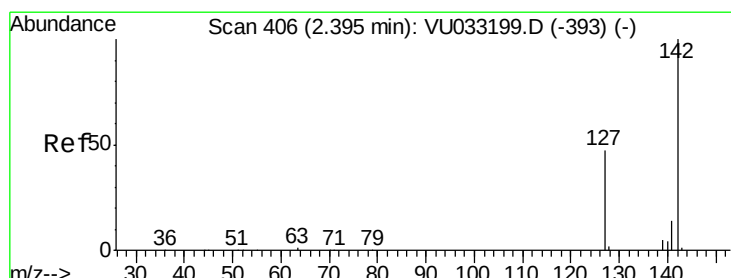
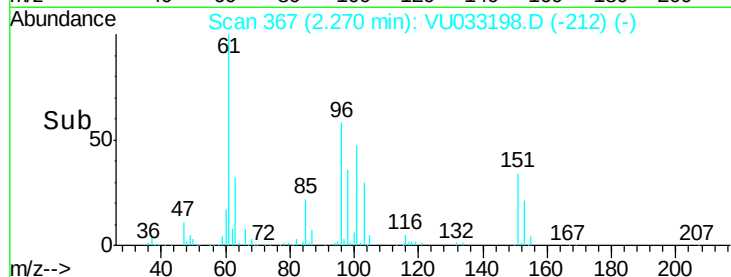
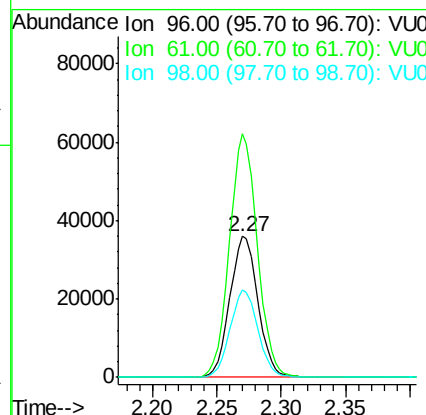
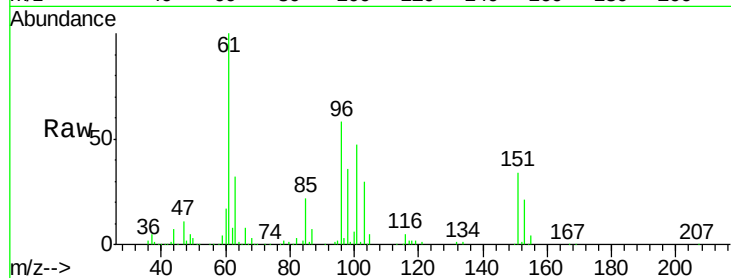
VSTDIC005

Tot Ion:	96	Resp:	54413
Ion	Ratio	Lower	Upper
96	100		
61	172.8	0.0	533.7
98	62.2	0.0	129.8

Manual Integrations
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7/16/2019 4:03:19 PM



#10

Iodomethane

Concen: 4.009 ug/l

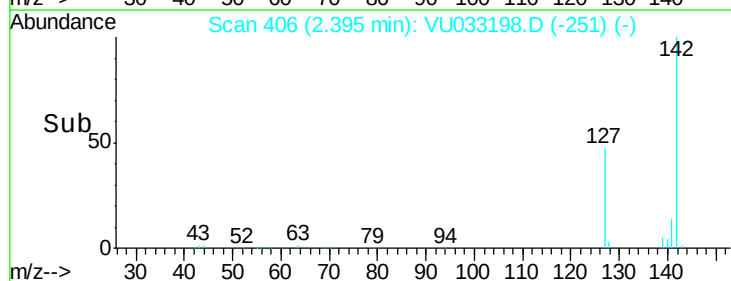
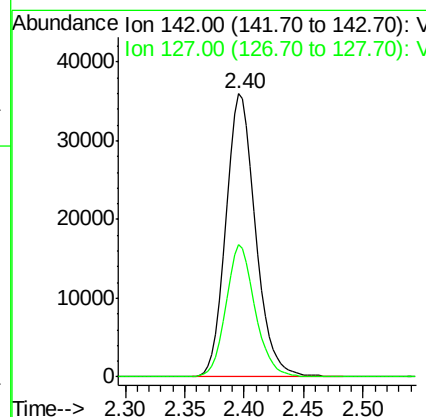
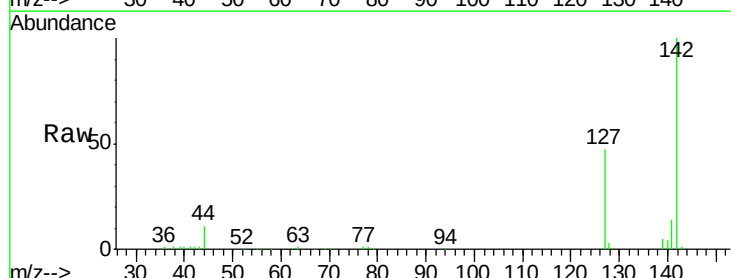
RT: 2.40 min Scan# 406

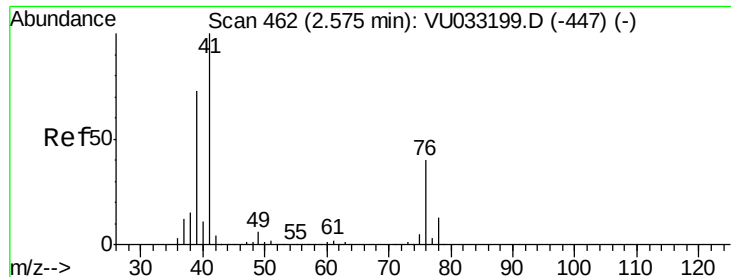
Delta R.T. -0.00 min

Lab File: VU033198.D

Acq: 11 Jul 2019 18:14

Tgt Ion:	142	Resp:	62043
Ion	Ratio	Lower	Upper
142	100		
127	45.7	37.0	55.4





#11
Allvl Chloride
Concen: 4.582 ug/l
RT: 2.58 min Scan# 462
Delta R.T. -0.00 min
Lab File: VU033198.D
Acq: 11 Jul 2019 18:14

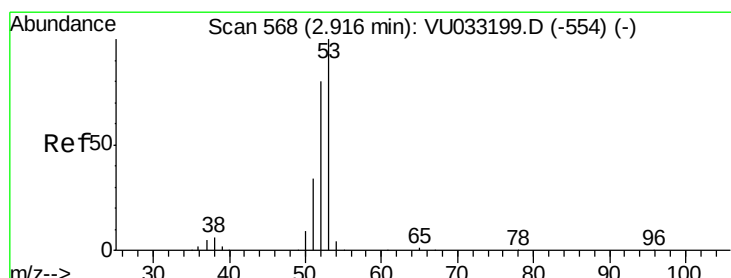
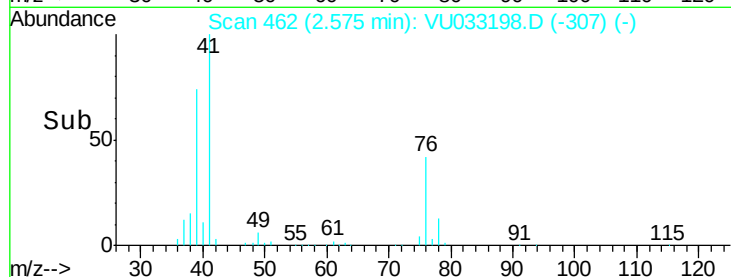
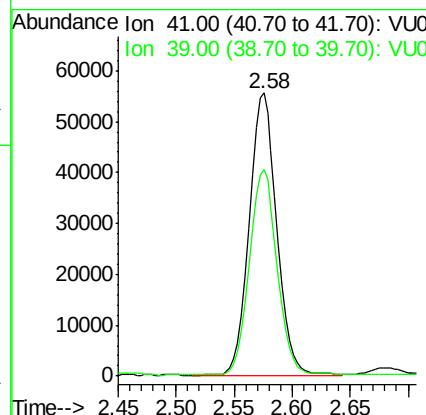
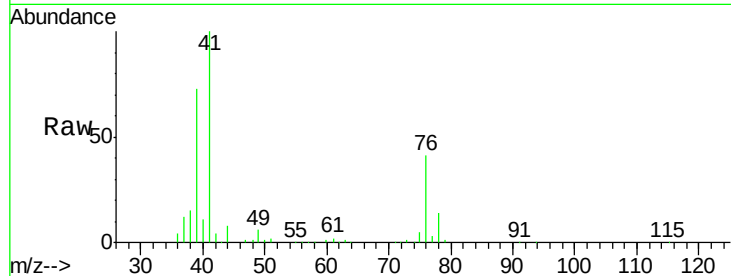
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	41	Resp	91456
Ion Ratio	100	Lower	Upper
39	73.5	58.7	88.1

Manual Integrations
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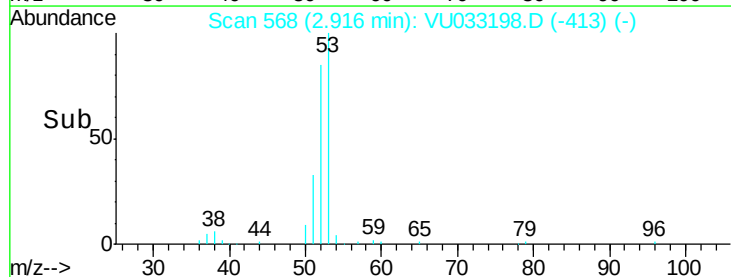
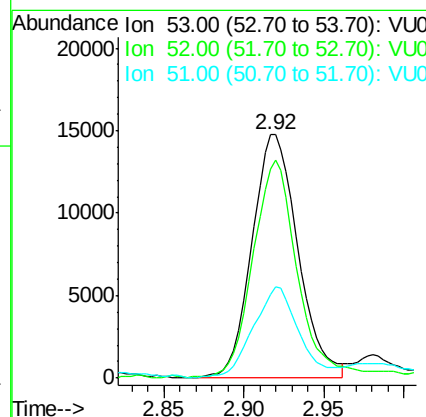
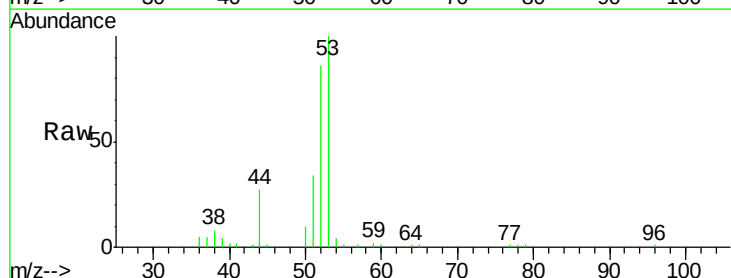
MMDadoda

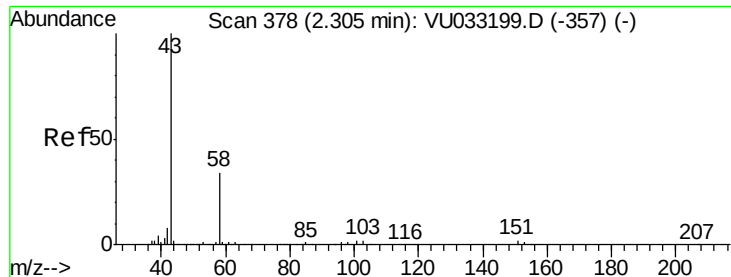
7/16/2019 4:03:19 PM



#12
Acrylonitrile
Concen: 9.036 ug/l
RT: 2.92 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU033198.D
Acq: 11 Jul 2019 18:14

Tgt Ion	53	Resp	29162
Ion Ratio	100	Lower	Upper
52	86.8	68.3	102.5
51	37.0	28.7	43.1





#13

Acetone

Concen: 22.634 ug/l

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU033198.D

Acq: 11 Jul 2019 18:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 64637

Ion Ratio Lower Upper

43 100

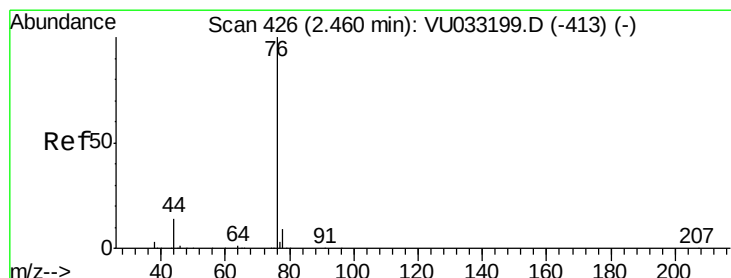
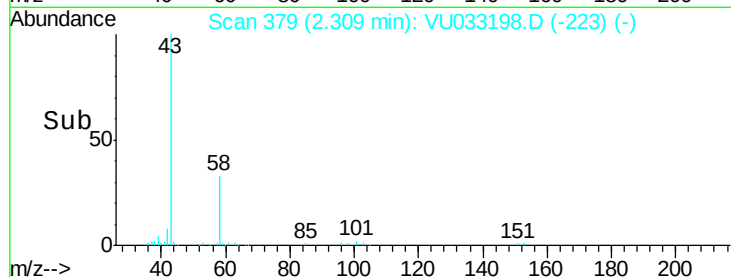
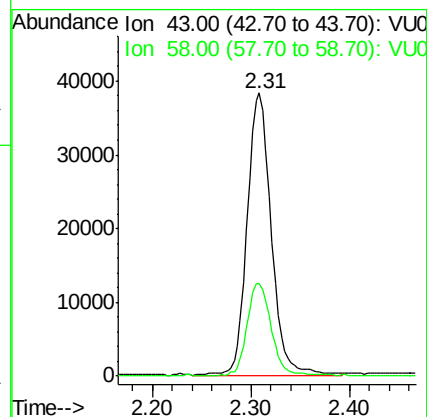
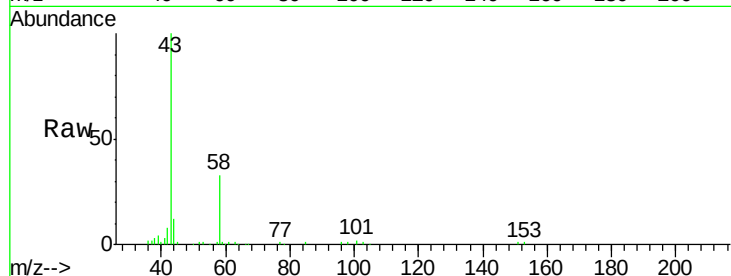
58 32.6 27.1 40.7

Manual Integrations

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7/16/2019 4:03:19 PM



#14

Carbon Disulfide

Concen: 4.650 ug/l

RT: 2.46 min Scan# 426

Delta R.T. -0.00 min

Lab File: VU033198.D

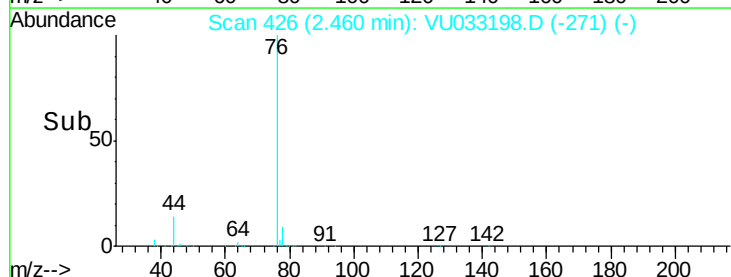
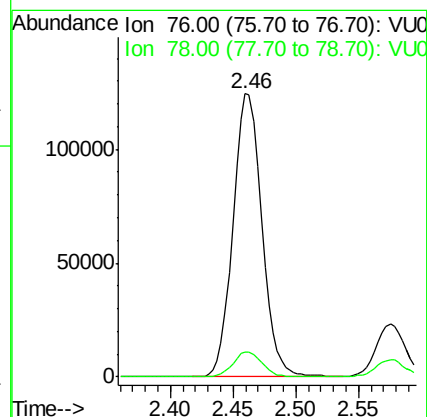
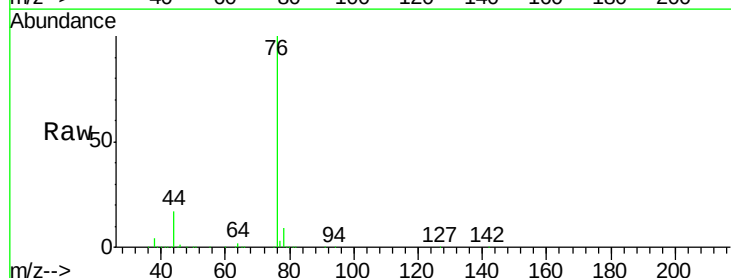
Acq: 11 Jul 2019 18:14

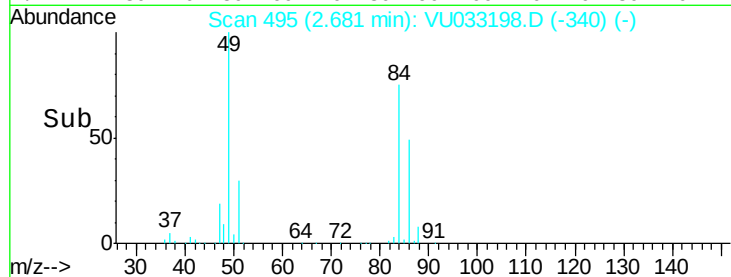
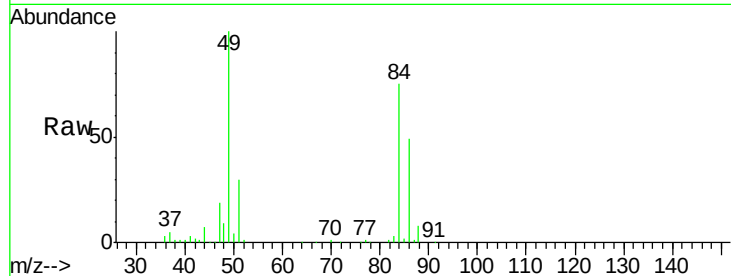
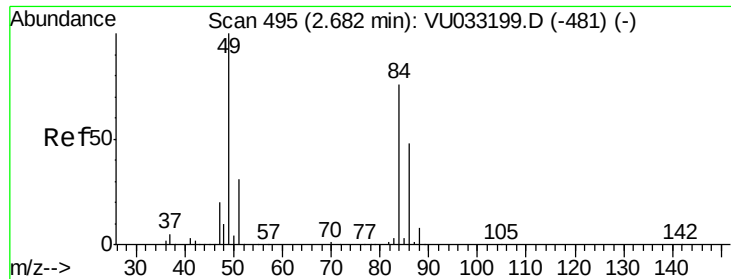
Tgt Ion: 76 Resp: 199365

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.0





#15
Methylene Chloride
Concen: 4.574 ug/l
RT: 2.68 min Scan# 495
Delta R.T. -0.00 min
Lab File: VU033198.D
Acq: 11 Jul 2019 18:14

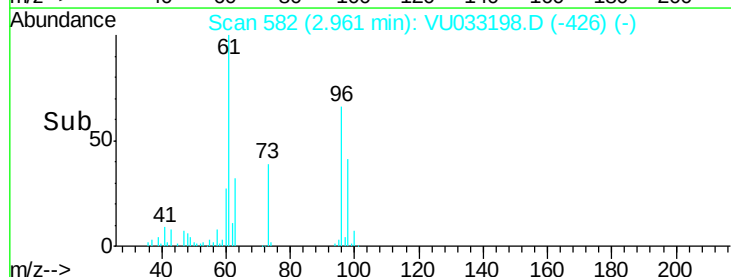
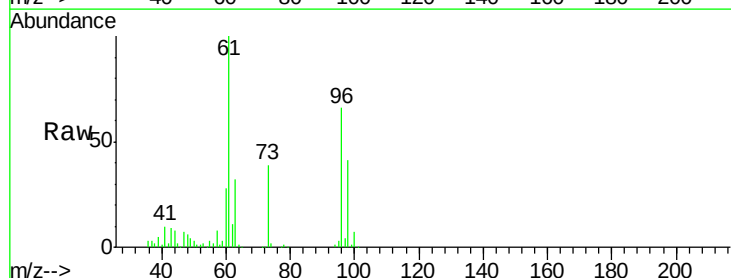
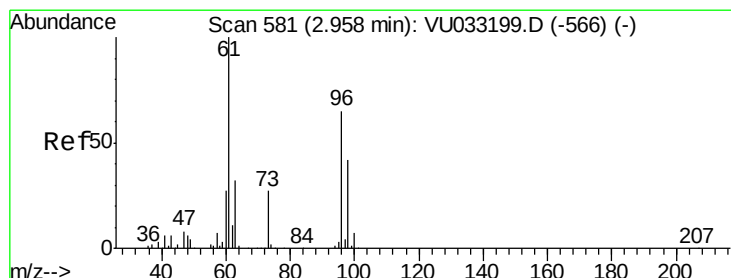
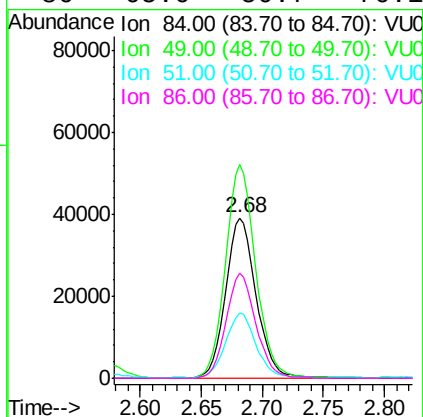
Tot Ion	84	Resp	68282
Ion Ratio	Lower	Upper	
84	100		
49	133.0	105.8	158.8
51	40.0	0.0	82.0
86	65.0	50.7	76.1

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Manual Integrations
APPROVED

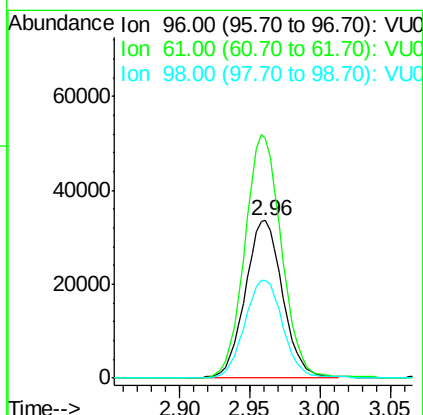
MMDadoda

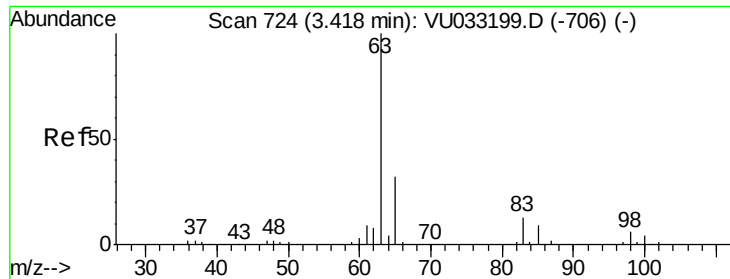
7/16/2019 4:03:19 PM



#16
trans-1,2-Dichloroethene
Concen: 4.671 ug/l
RT: 2.96 min Scan# 582
Delta R.T. 0.00 min
Lab File: VU033198.D
Acq: 11 Jul 2019 18:14

Tgt Ion	96	Resp	62258
Ion Ratio	Lower	Upper	
96	100		
61	152.6	122.6	184.0
98	62.5	52.0	78.0





#17
 1,1-Dichloroethane
 Concen: 4.657 ug/l
 RT: 3.42 min Scan# 725
 Delta R.T. 0.00 min
 Lab File: VU033198.D
 Acq: 11 Jul 2019 18:14

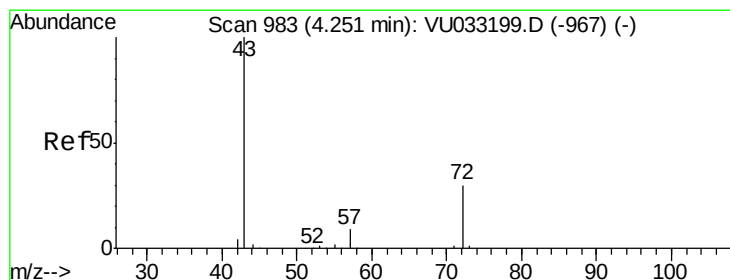
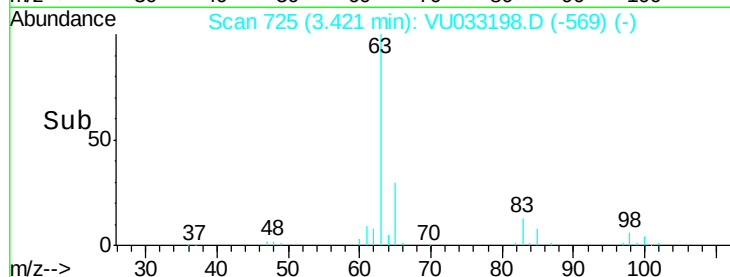
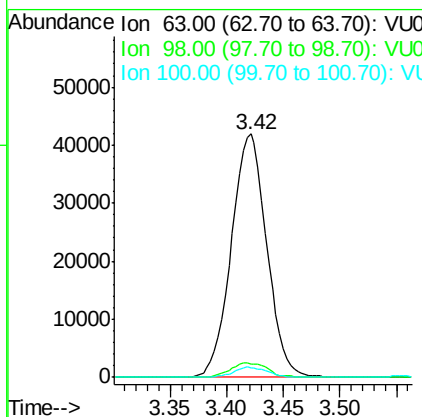
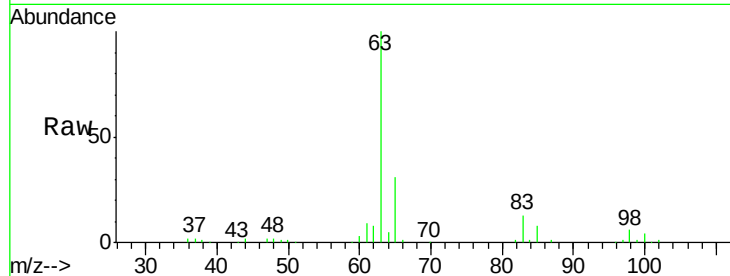
Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC005

Tot Ion:	63	Resp:	91300
Ion Ratio	Lower	Upper	
63	100		
98	5.6	3.3	9.8
100	4.1	1.8	5.4

Manual Integrations
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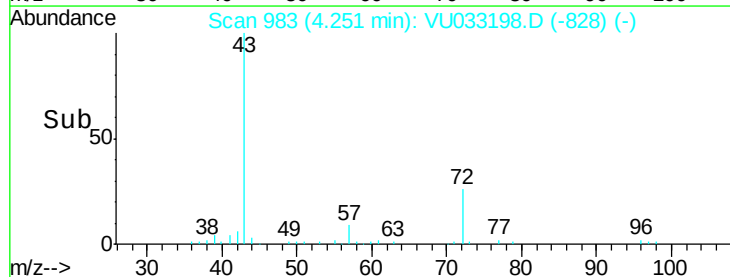
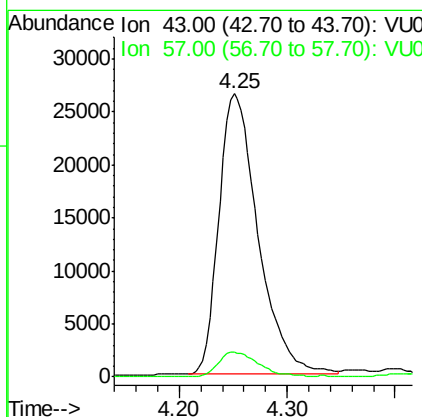
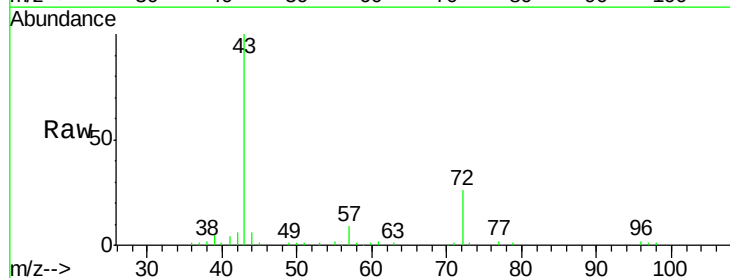
MMDadoda

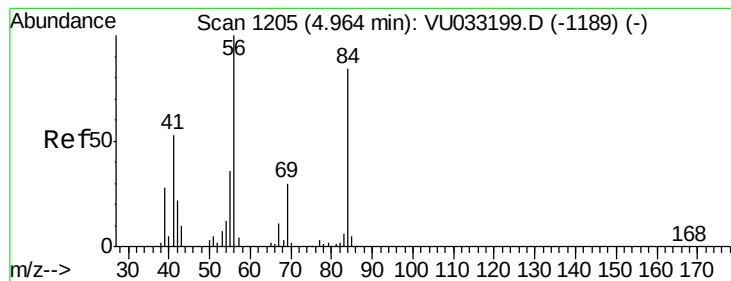
7/16/2019 4:03:19 PM



#18
 2-Butanone
 Concen: 26.104 ug/l
 RT: 4.25 min Scan# 983
 Delta R.T. -0.00 min
 Lab File: VU033198.D
 Acq: 11 Jul 2019 18:14

Tgt Ion:	43	Resp:	66805
Ion Ratio	Lower	Upper	
43	100		
57	8.8	0.0	18.4





#19

Cyclohexane

Concen: 4.824 ug/l m

RT: 4.97 min Scan# 1206

Delta R.T. 0.00 min

Lab File: VU033198.D

Acq: 11 Jul 2019 18:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 71330

Ion Ratio Lower Upper

56 100

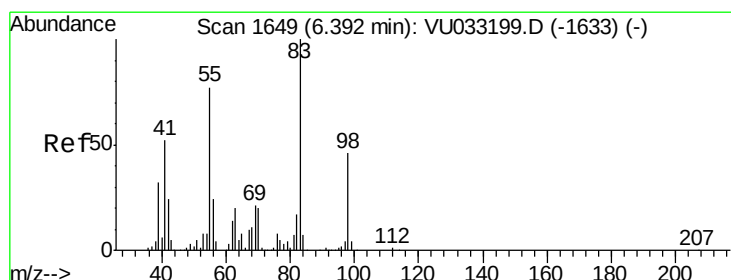
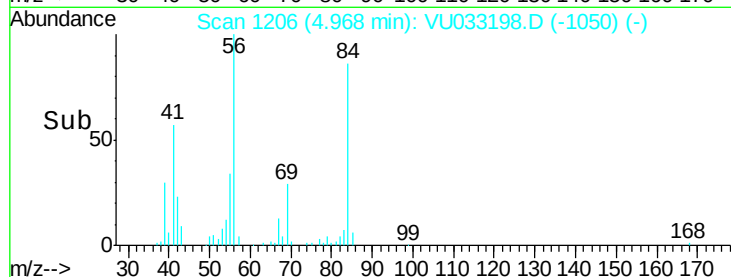
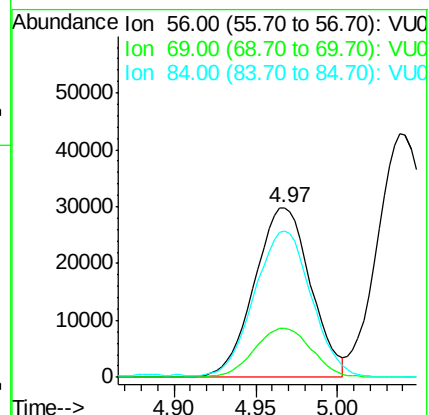
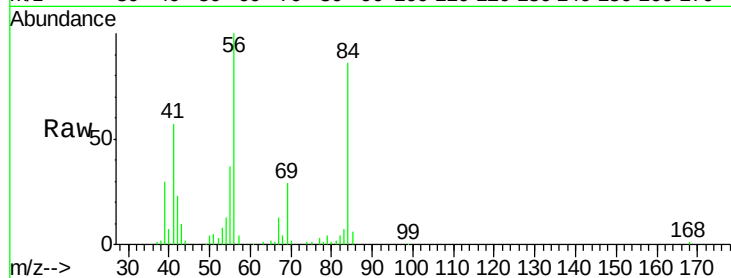
69 29.6 24.6 37.0

84 86.2 67.5 101.3

Manual Integrations
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7/16/2019 4:03:19 PM



#20

Methylcyclohexane

Concen: 5.112 ug/l

RT: 6.39 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VU033198.D

Acq: 11 Jul 2019 18:14

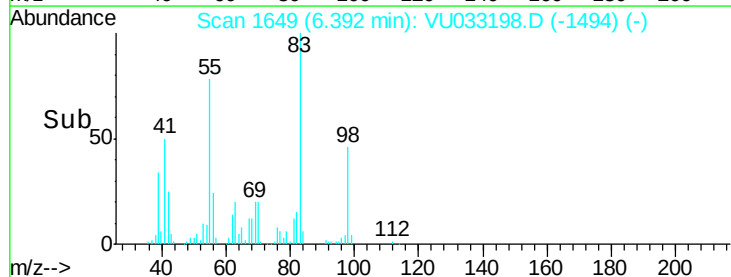
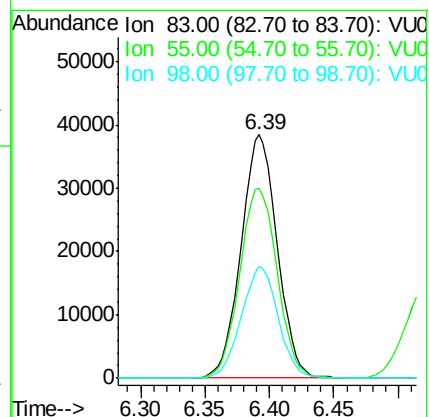
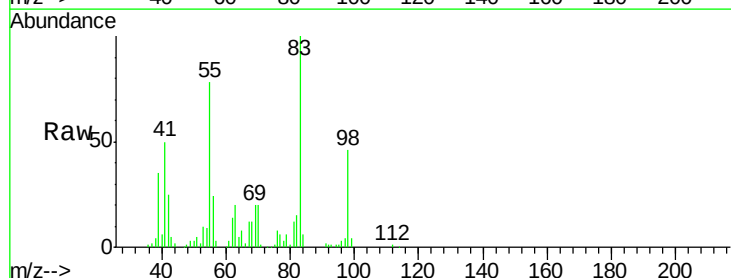
Tgt Ion: 83 Resp: 74993

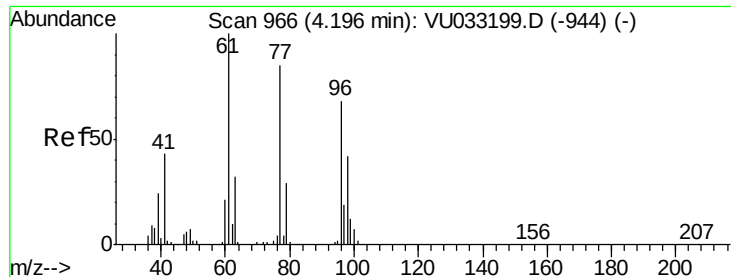
Ion Ratio Lower Upper

83 100

55 80.4 62.0 93.0

98 46.6 36.3 54.5





#21

2,2-Dichloropropane

Concen: 4.424 ug/l

RT: 4.20 min Scan# 967

Delta R.T. 0.00 min

Lab File: VU033198.D

Acq: 11 Jul 2019 18:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 77 Resp: 75639

Ion Ratio Lower Upper

77 100

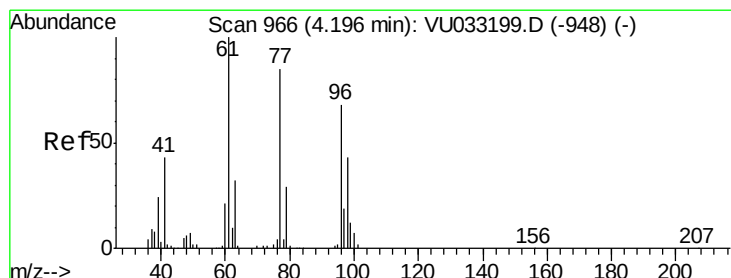
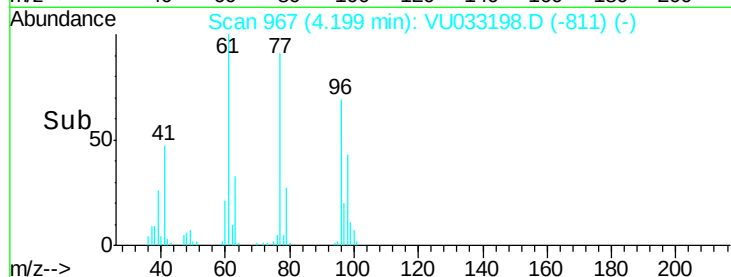
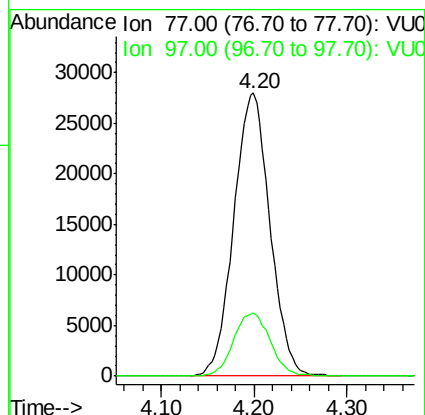
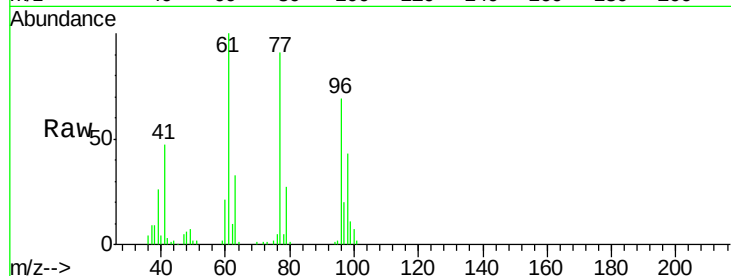
97 22.6 17.6 26.4

Manual Integrations

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7/16/2019 4:03:19 PM



#22

cis-1,2-Dichloroethene

Concen: 4.834 ug/l

RT: 4.20 min Scan# 967

Delta R.T. 0.00 min

Lab File: VU033198.D

Acq: 11 Jul 2019 18:14

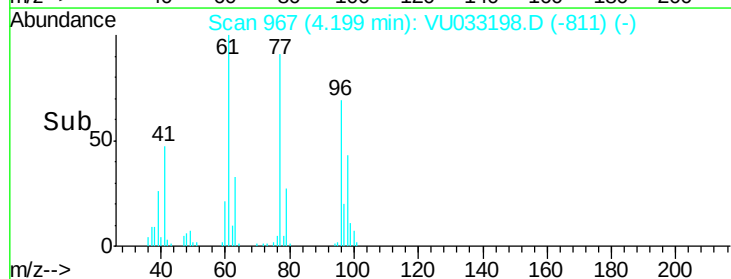
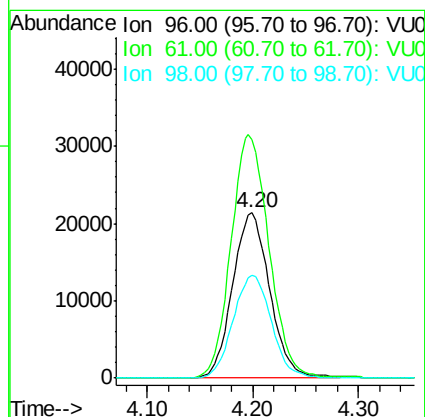
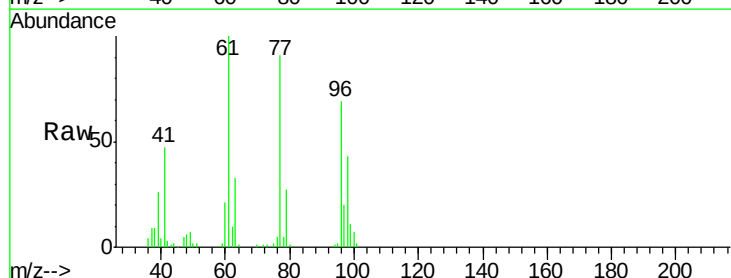
Tgt Ion: 96 Resp: 52543

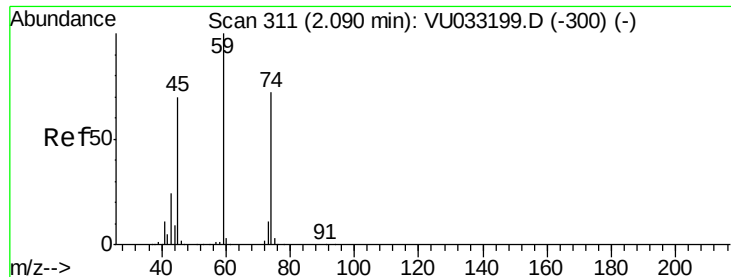
Ion Ratio Lower Upper

96 100

61 149.4 0.0 377.3

98 63.6 32.3 96.8





#23

Diethyl Ether

Concen: 4.778 ug/l

RT: 2.09 min Scan# 311

Delta R.T. -0.00 min

Lab File: VU033198.D

Acq: 11 Jul 2019 18:14

Instrument :

MSVOA_U

ClientSampleId :

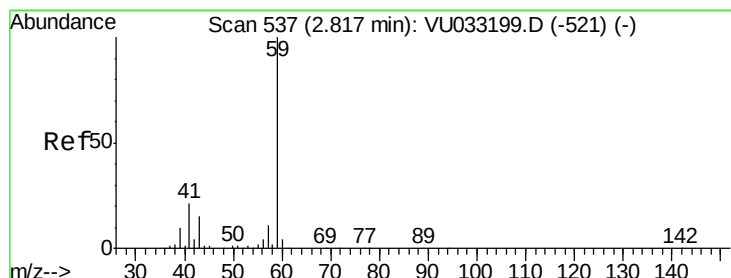
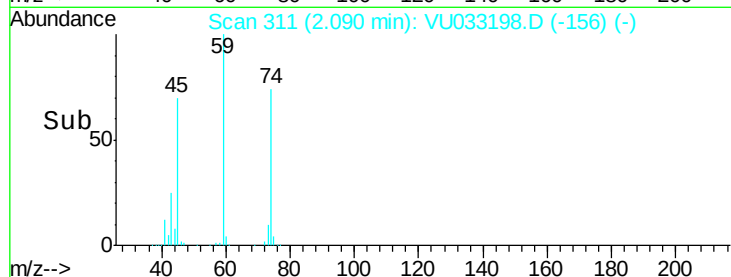
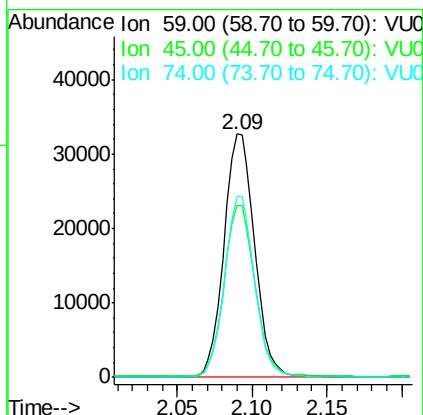
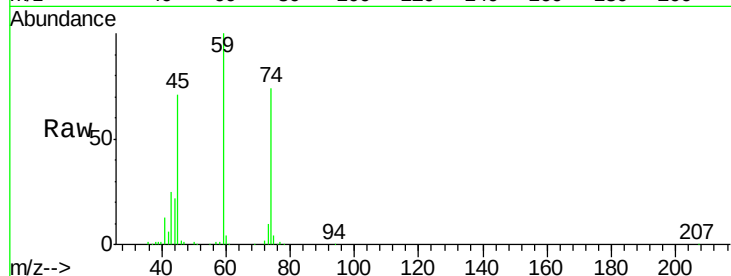
VSTDIC005

Tot Ion:	59	Resp:	46729
Ion	Ratio	Lower	Upper
59	100		
45	70.4	55.7	83.5
74	72.3	58.1	87.1

Manual Integrations
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#24

tert-Butyl Alcohol

Concen: 44.949 ug/l

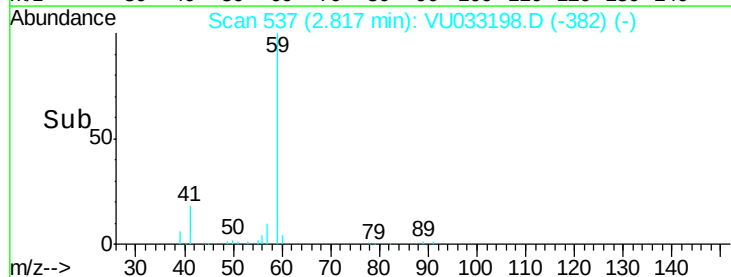
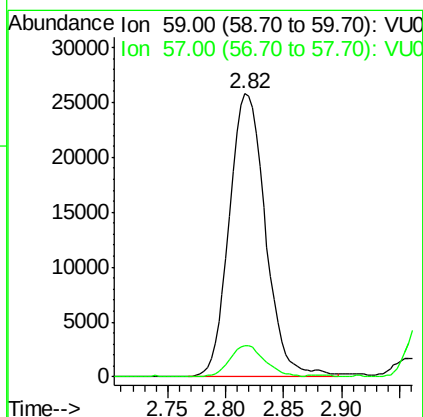
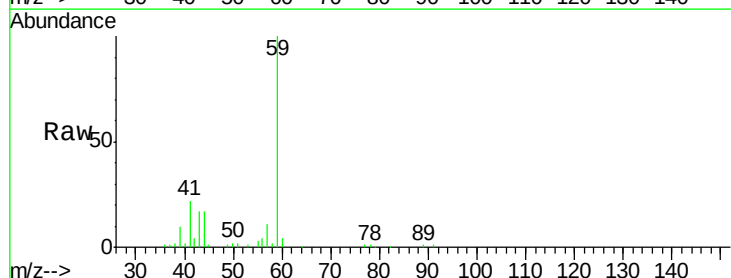
RT: 2.82 min Scan# 537

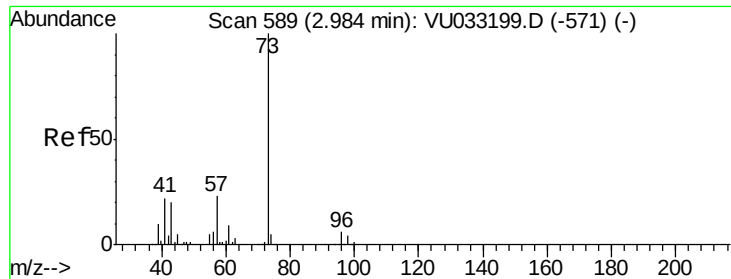
Delta R.T. -0.00 min

Lab File: VU033198.D

Acq: 11 Jul 2019 18:14

Tgt Ion:	59	Resp:	55970
Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.5	12.7





#25

Methyl tert-Butyl Ether

Concen: 4.765 ug/l

RT: 2.98 min Scan# 589

Delta R.T. -0.00 min

Lab File: VU033198.D

Acq: 11 Jul 2019 18:14

Tot Ion: 73 Resp: 157271

Ion Ratio Lower Upper

73 100

43 20.6 16.1 24.1

Instrument :

MSVOA_U

ClientSampleId :

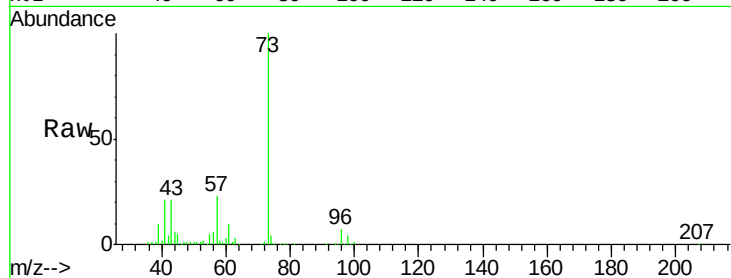
VSTDIC005

Manual Integrations

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Abundance Ion 73.00 (72.70 to 73.70): VU033198.D (-571) (-)

Ion 43.00 (42.70 to 43.70): VU033198.D (-571) (-)

2.98

80000

60000

40000

20000

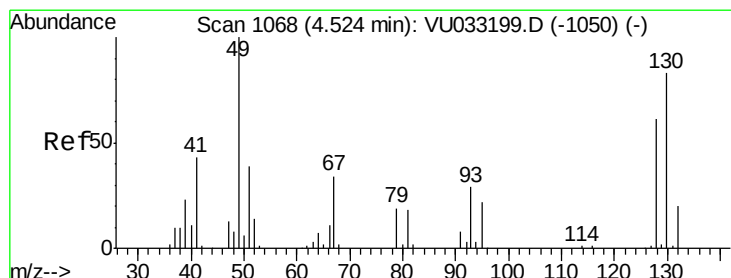
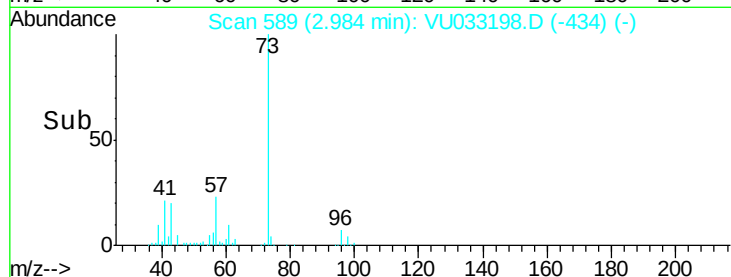
0

Time-->

2.90

3.00

3.10



#26

Bromochloromethane

Concen: 4.638 ug/l

RT: 4.52 min Scan# 1068

Delta R.T. -0.00 min

Lab File: VU033198.D

Acq: 11 Jul 2019 18:14

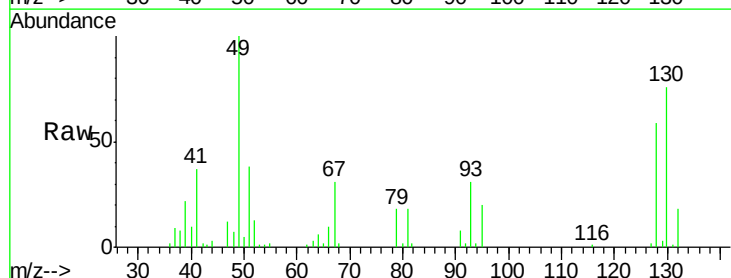
Tgt Ion:128 Resp: 22458

Ion Ratio Lower Upper

128 100

49 170.7 0.0 328.6

130 130.4 104.1 156.1



Abundance Ion 128.00 (127.70 to 128.70): VU033198.D (-1050) (-)

Ion 49.00 (48.70 to 49.70): VU033198.D (-1050) (-)

Ion 130.00 (129.70 to 130.70): VU033198.D (-1050) (-)

20000

15000

10000

5000

0

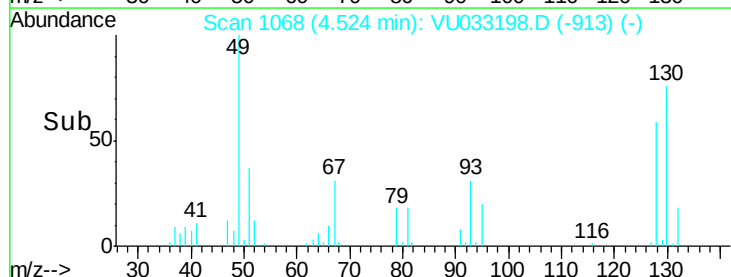
Time-->

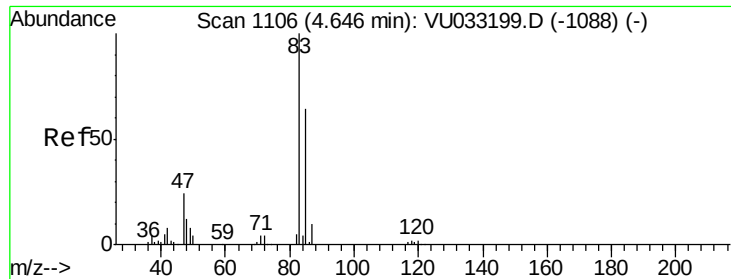
4.45

4.50

4.55

4.60





#27

Chloroform

Concen: 4.378 ug/l

RT: 4.65 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VU033198.D

Acq: 11 Jul 2019 18:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 83 Resp: 95794

Ion Ratio Lower Upper

83 100

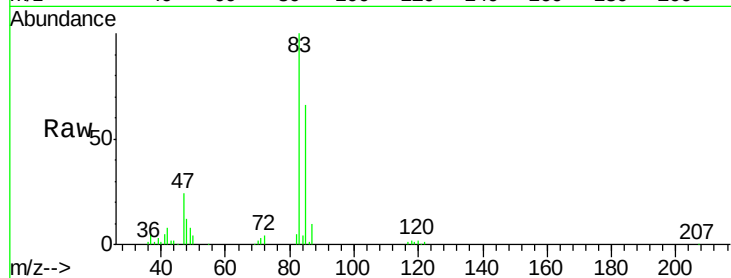
85 65.9 0.0 128.4

Manual Integrations

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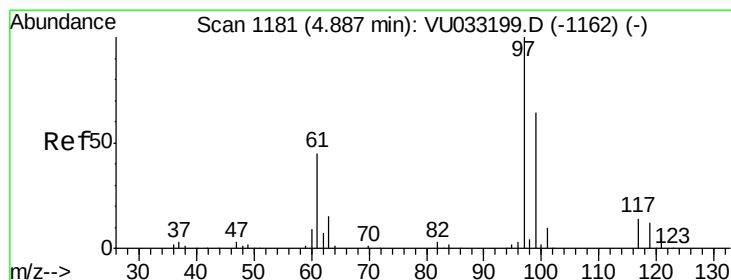
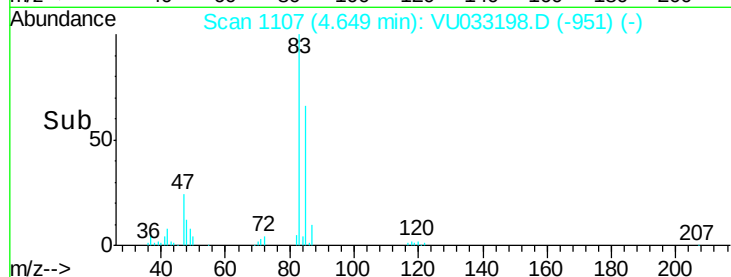
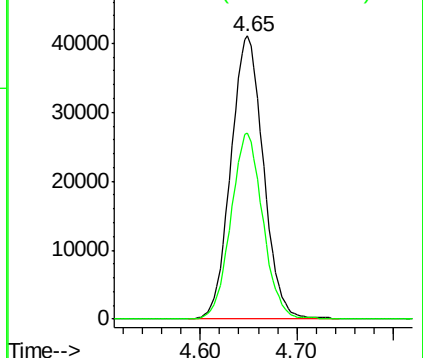
MMDadoda

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Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#28

1,1,1-Trichloroethane

Concen: 4.676 ug/l

RT: 4.89 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VU033198.D

Acq: 11 Jul 2019 18:14

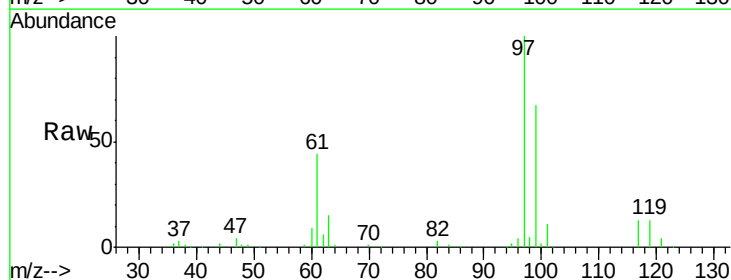
Tgt Ion: 97 Resp: 80160

Ion Ratio Lower Upper

97 100

99 64.9 31.9 95.5

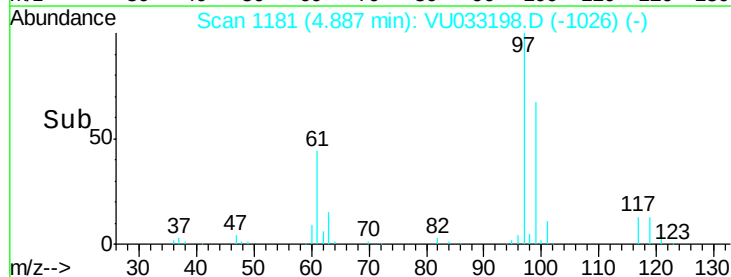
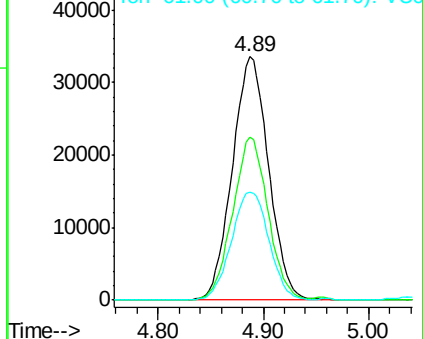
61 46.0 22.6 67.7

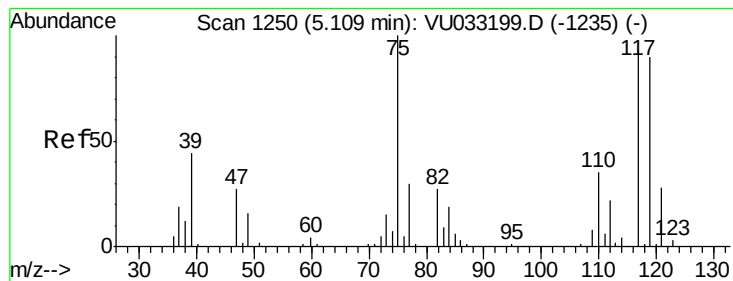


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#29

1,1-Dichloropropene

Concen: 4.815 ug/l

RT: 5.11 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VU033198.D

Acq: 11 Jul 2019 18:14

Instrument :

MSVOA_U

ClientSampled :

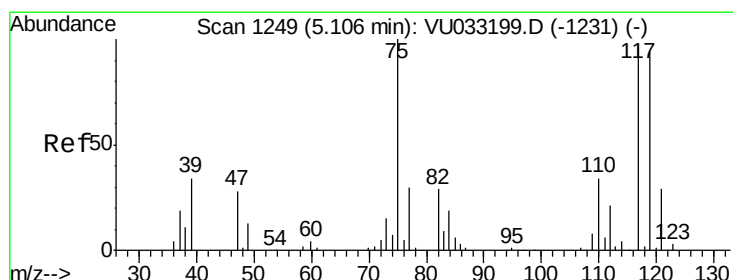
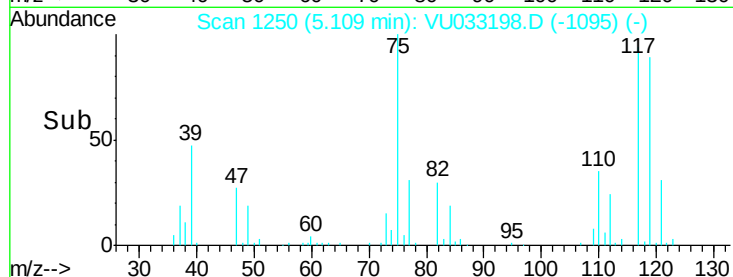
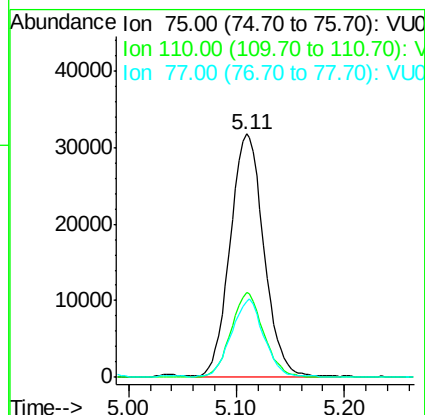
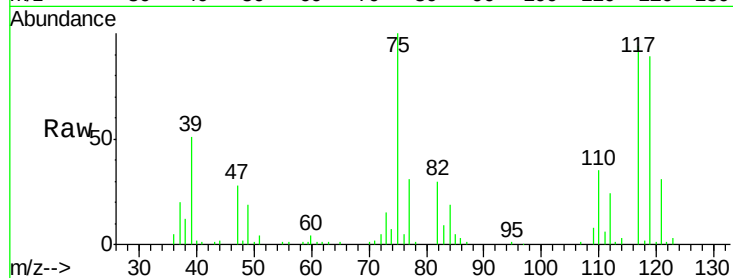
VSTDIC005

Tot Ion:	75	Resp:	68300
Ion Ratio	Lower	Upper	
75	100		
110	34.1	17.5	52.6
77	31.5	24.6	37.0

Manual Integrations
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#30

Carbon Tetrachloride

Concen: 4.558 ug/l

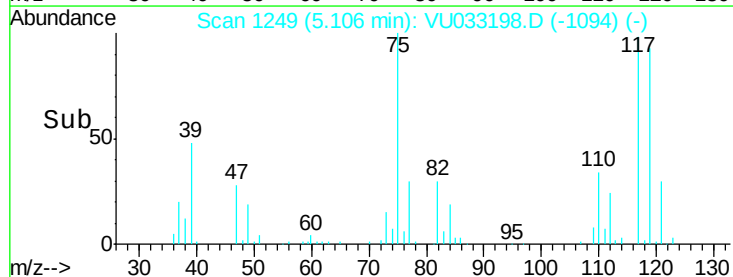
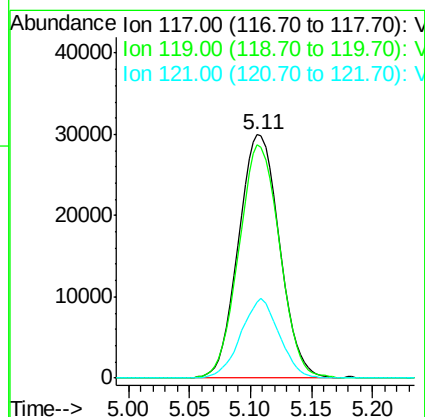
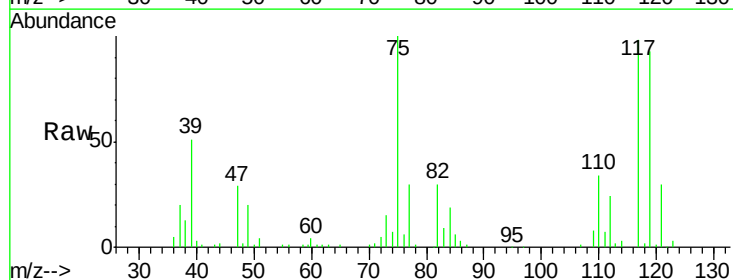
RT: 5.11 min Scan# 1249

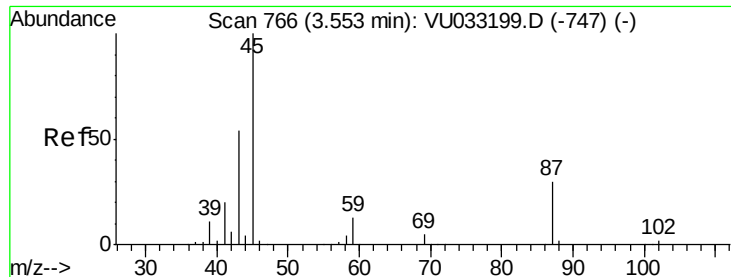
Delta R.T. -0.00 min

Lab File: VU033198.D

Acq: 11 Jul 2019 18:14

Tgt Ion:	117	Resp:	69868
Ion Ratio	Lower	Upper	
117	100		
119	95.8	77.4	116.0
121	31.3	24.2	36.2





#31

Isopropyl Ether

Concen: 4.736 ug/l

RT: 3.55 min Scan# 766

Delta R.T. -0.00 min

Lab File: VU033198.D

Acq: 11 Jul 2019 18:14

Instrument :

MSVOA_U

ClientSampled :

VSTDIC005

Tot Ion: 45 Resp: 122655

Ion Ratio Lower Upper

45 100

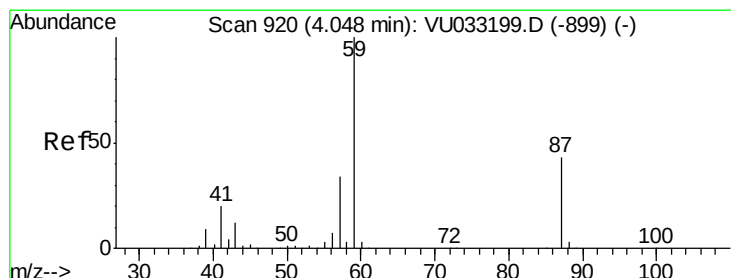
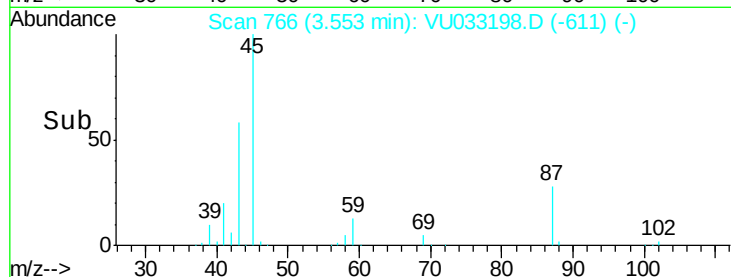
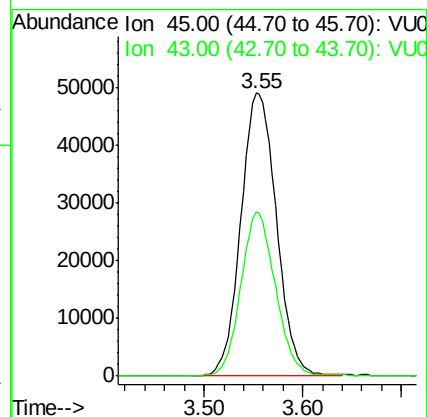
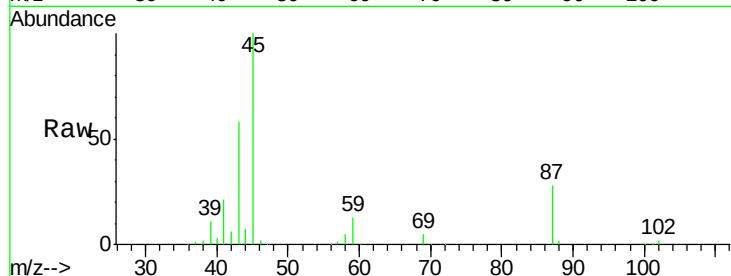
43 56.4 27.3 81.8

Manual Integrations

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7/16/2019 4:03:19 PM



#32

Ethyl-t-butyl ether

Concen: 4.738 ug/l

RT: 4.05 min Scan# 920

Delta R.T. -0.00 min

Lab File: VU033198.D

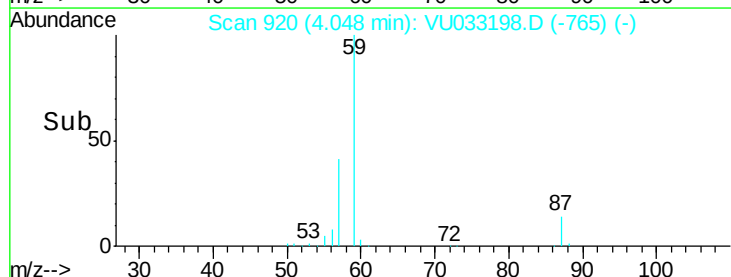
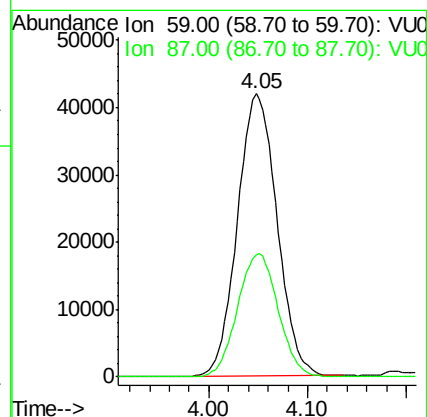
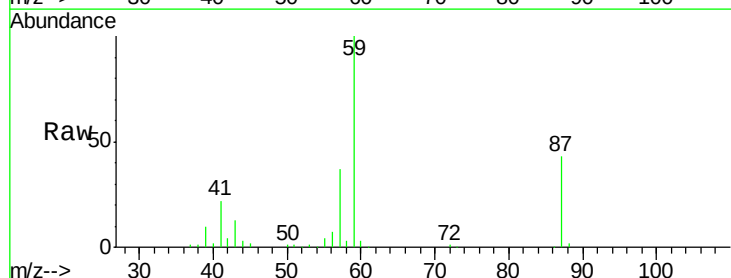
Acq: 11 Jul 2019 18:14

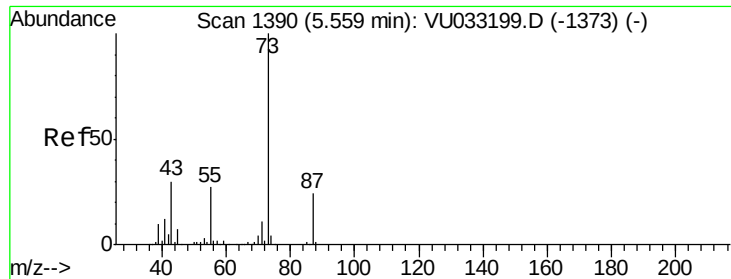
Tgt Ion: 59 Resp: 116990

Ion Ratio Lower Upper

59 100

87 44.8 34.5 51.7





#33

Tert-Butyl methyl ether
Concen: 5.031 ug/l
RT: 5.56 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU033198.D
Acq: 11 Jul 2019 18:14

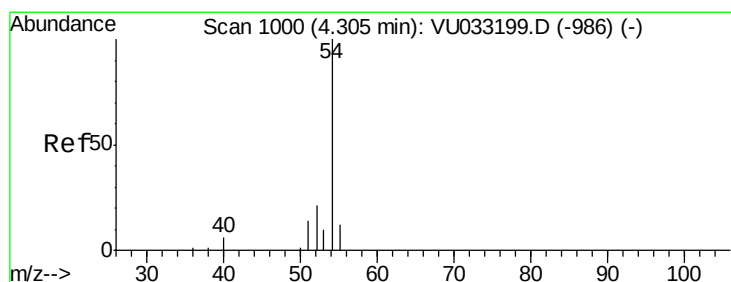
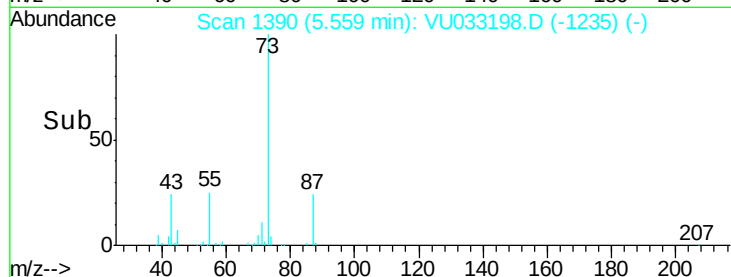
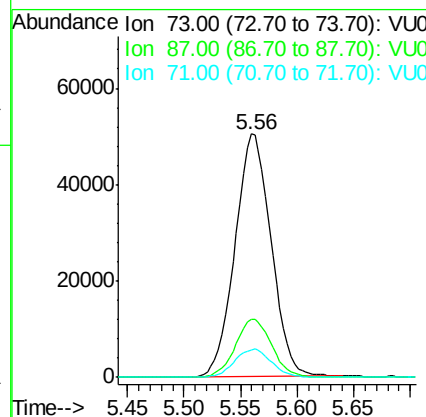
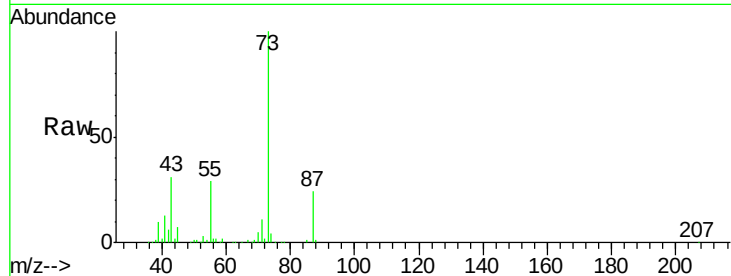
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
73	100		
87	24.0	19.8	29.6
71	11.8	9.1	13.7

Manual Integrations
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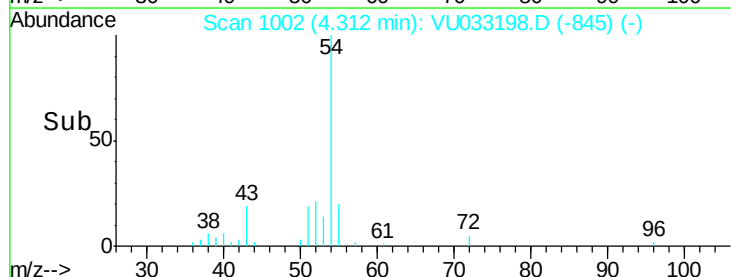
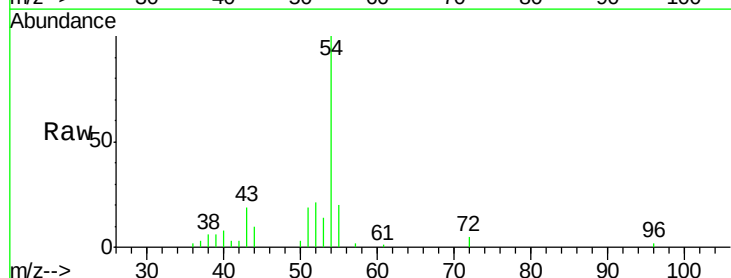
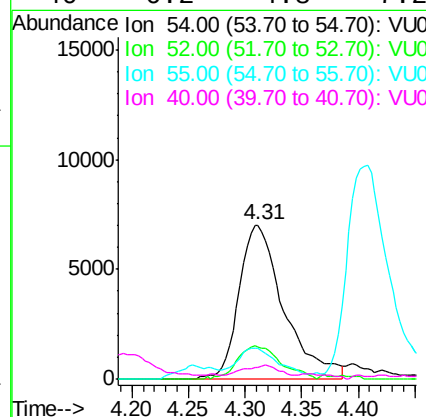
7/16/2019 4:03:19 PM

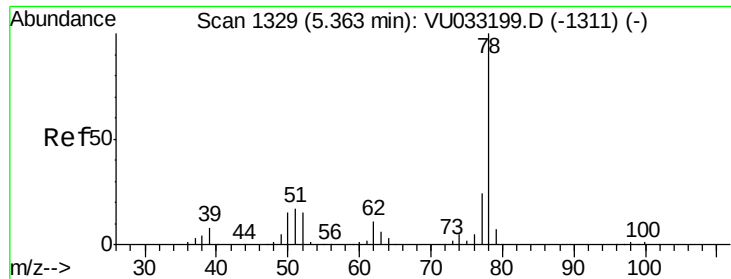


#34

Propionitrile
Concen: 26.203 ug/l
RT: 4.31 min Scan# 1002
Delta R.T. 0.01 min
Lab File: VU033198.D
Acq: 11 Jul 2019 18:14

Tgt Ion	Ratio	Lower	Upper
54	100		
52	20.5	16.7	25.1
55	14.0	12.9	19.3
40	6.2	4.8	7.2





#35

Benzene

Concen: 4.828 ug/l

RT: 5.36 min Scan# 1329

Delta R.T. -0.00 min

Lab File: VU033198.D

Acq: 11 Jul 2019 18:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 78 Resp: 199218

Ion Ratio Lower Upper

78 100

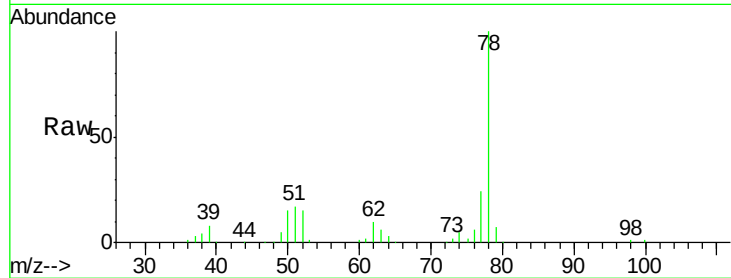
77 24.5 19.3 28.9

Manual Integrations

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

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

5.36

100000

80000

60000

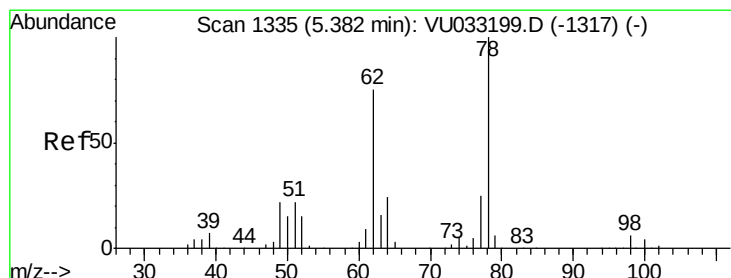
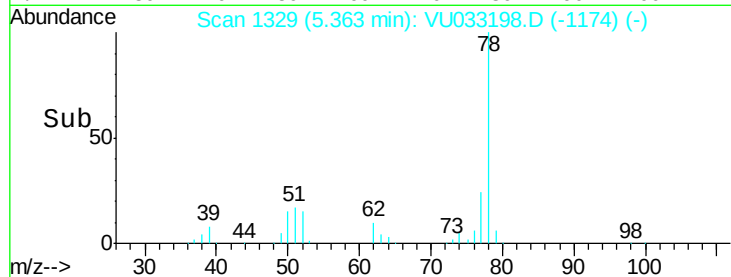
40000

20000

0

5.25 5.30 5.35 5.40 5.45

Time-->



#36

1,2-Dichloroethane

Concen: 4.727 ug/l

RT: 5.38 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VU033198.D

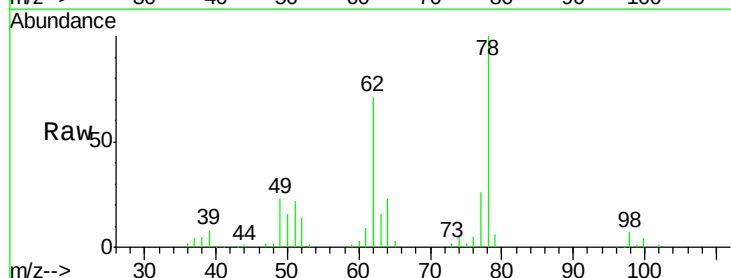
Acq: 11 Jul 2019 18:14

Tgt Ion: 62 Resp: 62983

Ion Ratio Lower Upper

62 100

98 8.6 6.7 10.1



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

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

5.38

30000

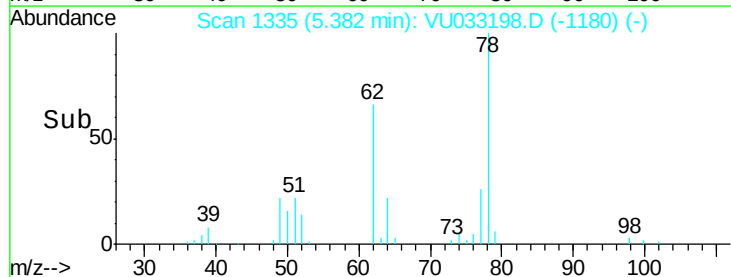
20000

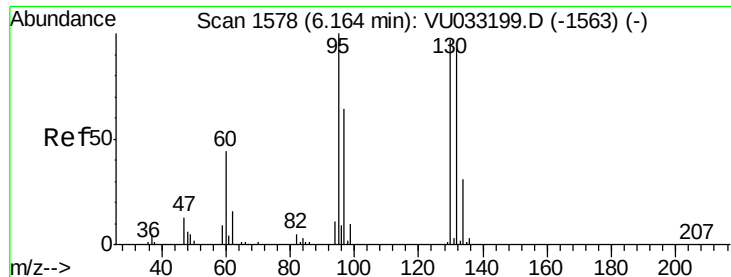
10000

0

5.30 5.35 5.40 5.45

Time-->





#37

Trichloroethene

Concen: 4.829 ug/l

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU033198.D

Acq: 11 Jul 2019 18:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion:130 Resp: 51416

Ion Ratio Lower Upper

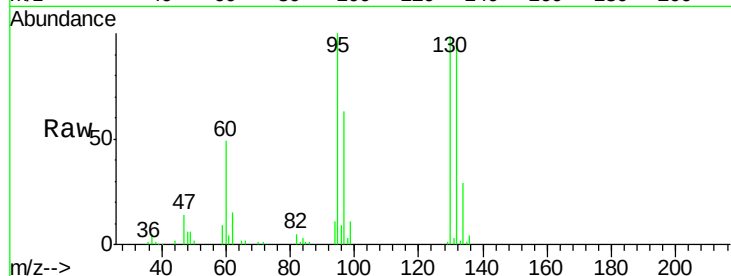
130 100

95 100.5 82.4 123.6

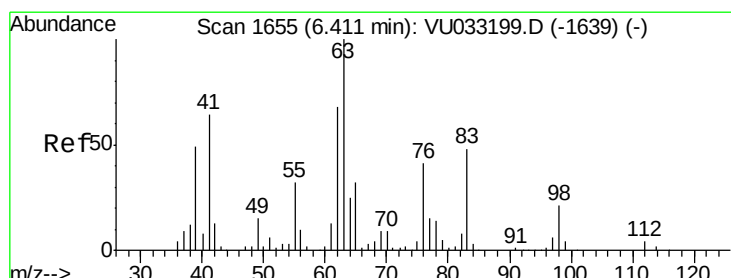
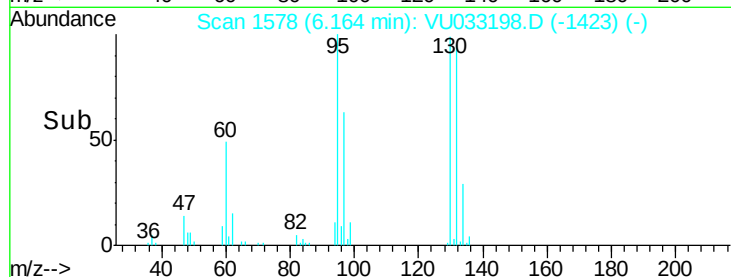
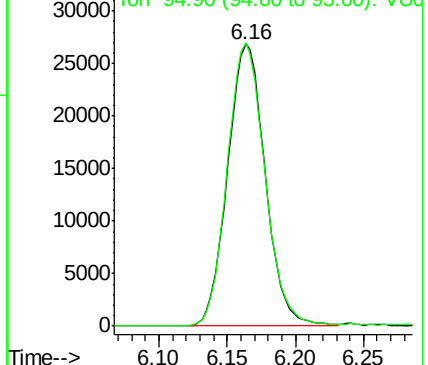
Manual Integrations
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7/16/2019 4:03:19 PM



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



#38

1,2-Dichloropropane

Concen: 4.723 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. -0.00 min

Lab File: VU033198.D

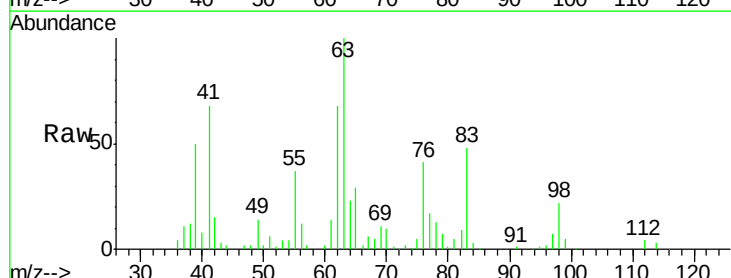
Acq: 11 Jul 2019 18:14

Tgt Ion: 63 Resp: 53667

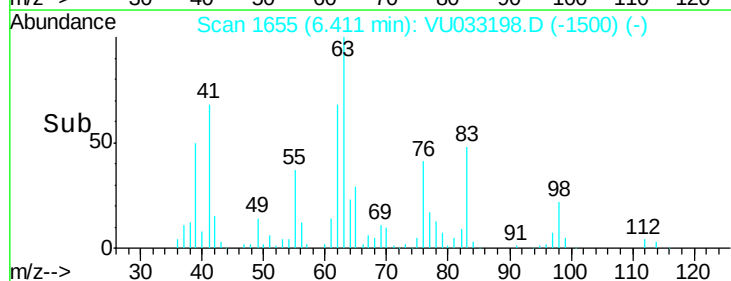
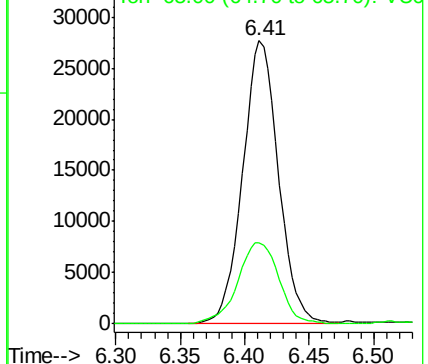
Ion Ratio Lower Upper

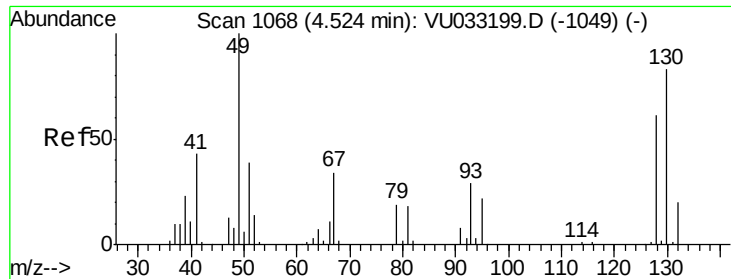
63 100

65 28.9 25.3 37.9



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





#39
Methacrylonitrile
Concen: 5.184 ug/l
RT: 4.53 min Scan# 1069
Delta R.T. 0.00 min
Lab File: VU033198.D
Acq: 11 Jul 2019 18:14

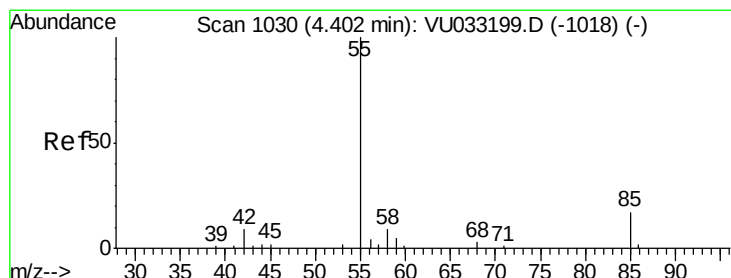
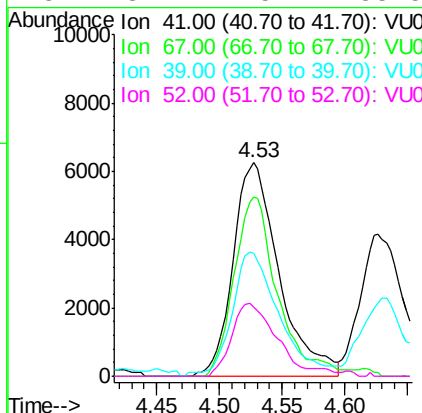
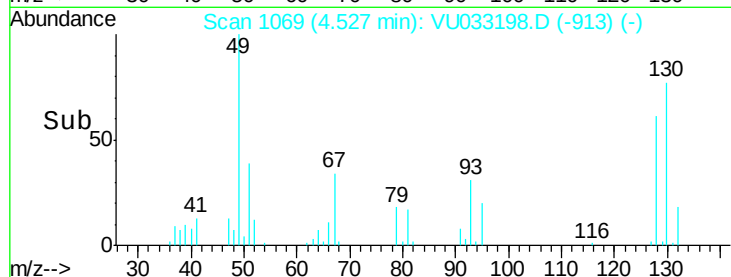
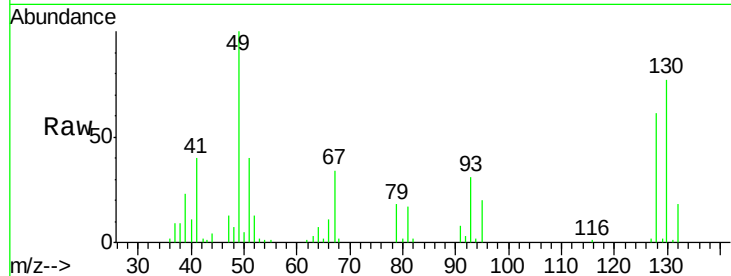
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
41	100		
67	79.2	61.0	91.4
39	54.9	44.4	66.6
52	32.4	25.7	38.5

Manual Integrations
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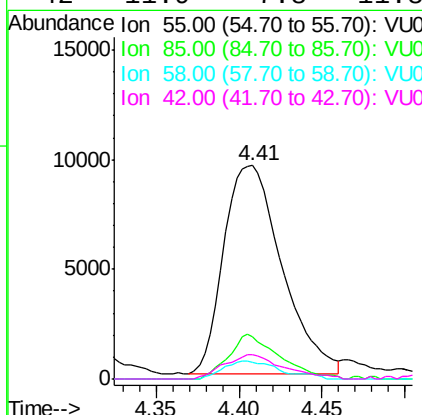
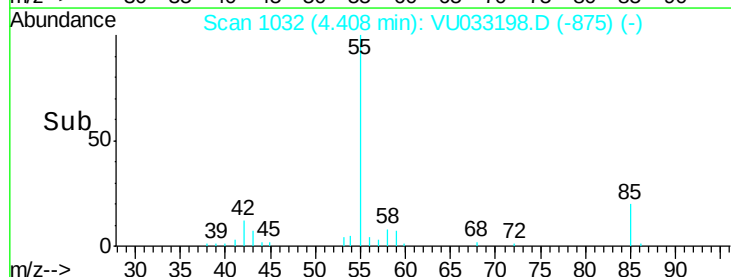
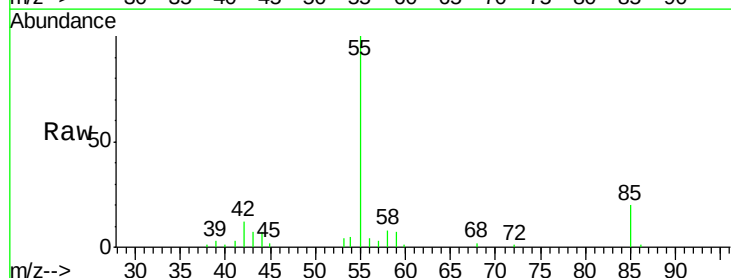
MMDadoda

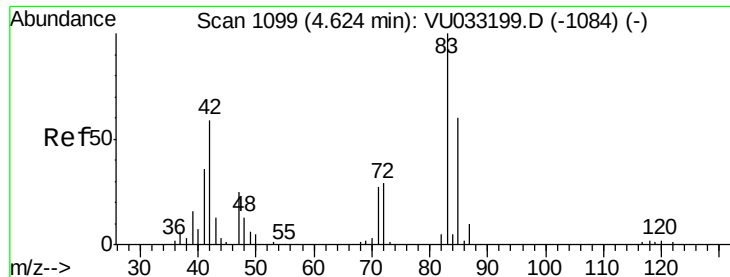
7/16/2019 4:03:19 PM



#40
Methyl acrylate
Concen: 5.003 ug/l
RT: 4.41 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VU033198.D
Acq: 11 Jul 2019 18:14

Tgt Ion	Ratio	Lower	Upper
55	100		
85	18.6	13.0	19.6
58	8.5	7.0	10.4
42	11.9	7.8	11.8#





#41

Tetrahydrofuran

Concen: 10.616 ug/l

RT: 4.63 min Scan# 1100

Delta R.T. 0.00 min

Lab File: VU033198.D

Acq: 11 Jul 2019 18:14

Instrument :

MSVOA_U

ClientSampleId :

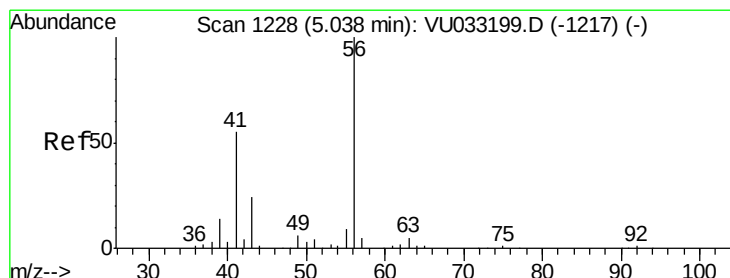
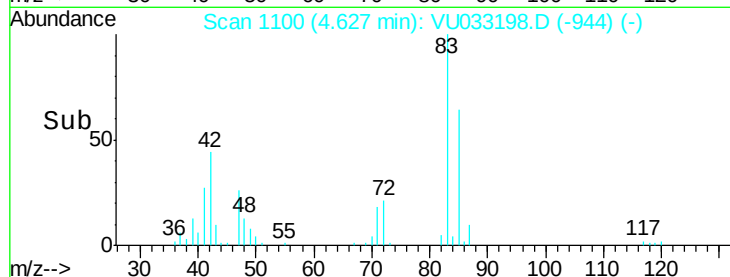
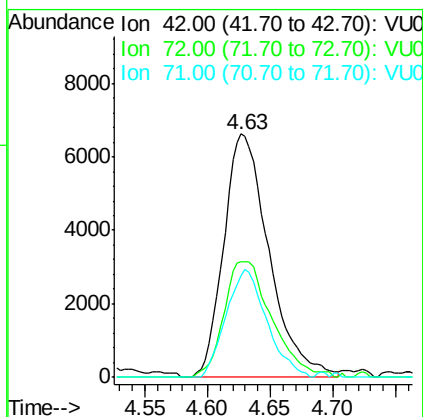
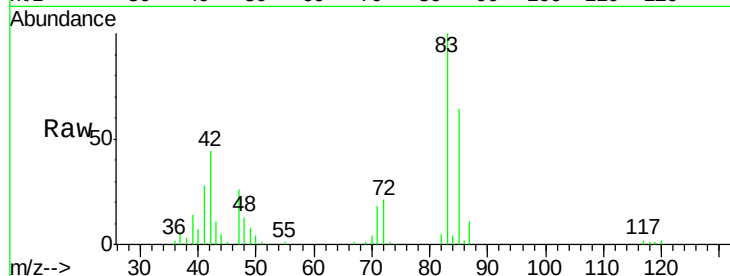
VSTDIC005

Tot Ion:	42	Resp:	16643
Ion	Ratio	Lower	Upper
42	100		
72	50.2	40.7	61.1
71	39.7	35.4	53.0

Manual Integrations
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#42

1-Chlorobutane

Concen: 4.817 ug/l

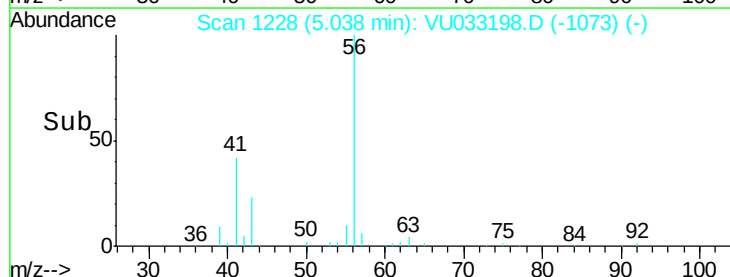
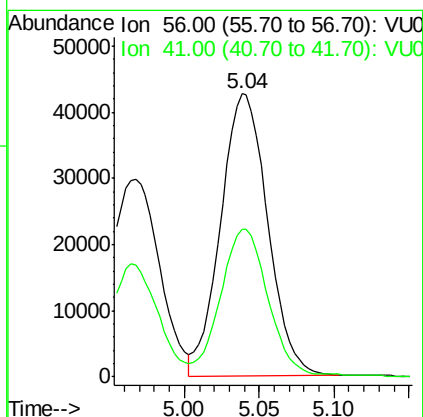
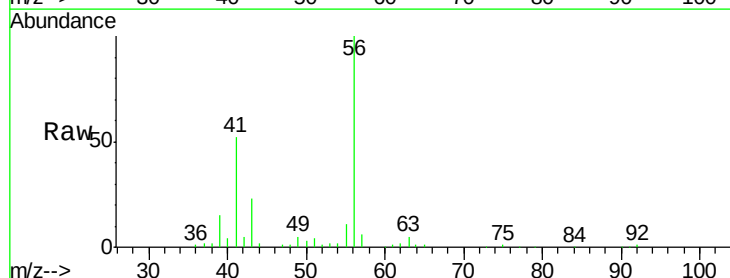
RT: 5.04 min Scan# 1228

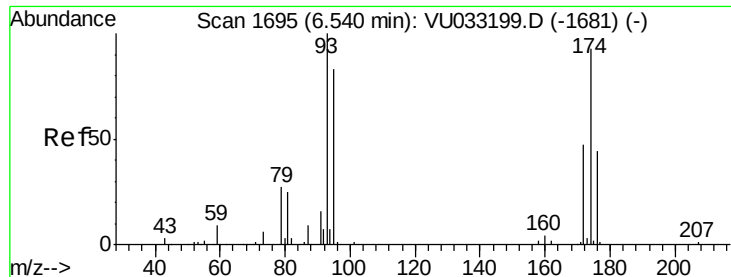
Delta R.T. -0.00 min

Lab File: VU033198.D

Acq: 11 Jul 2019 18:14

Tgt Ion:	56	Resp:	92877
Ion	Ratio	Lower	Upper
56	100		
41	52.4	26.5	79.4





#43
Dibromomethane
Concen: 4.857 ug/l
RT: 6.54 min Scan# 1695
Delta R.T. -0.00 min
Lab File: VU033198.D
Acq: 11 Jul 2019 18:14

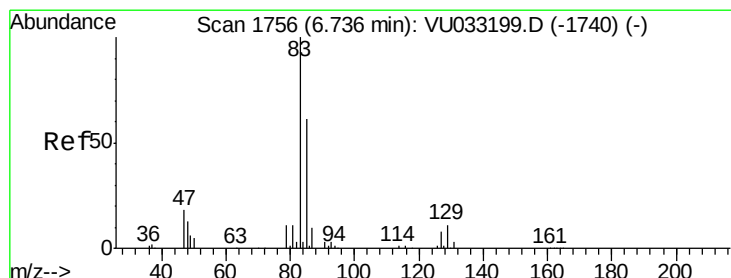
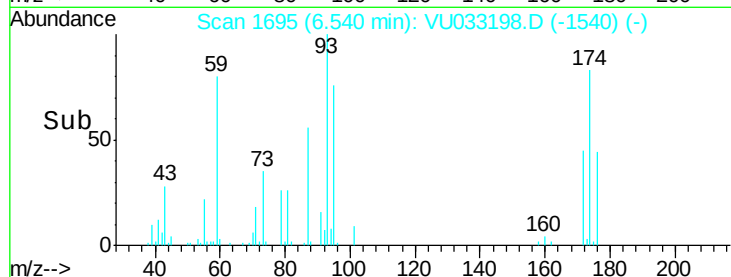
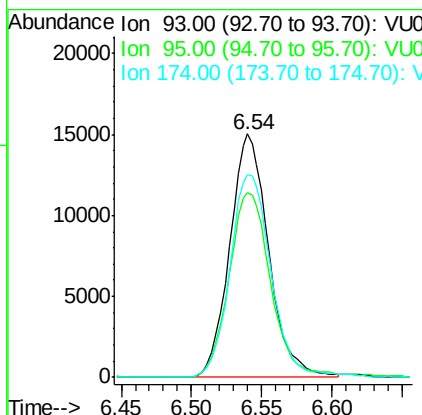
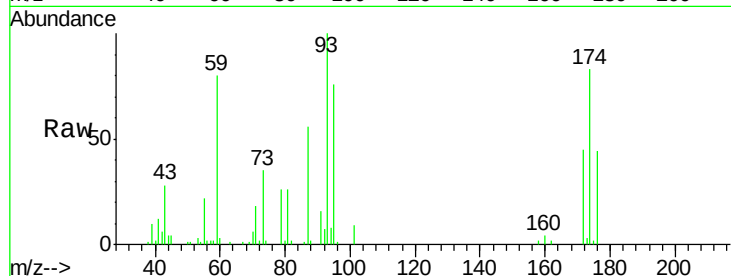
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
93	100		
95	82.3	67.5	101.3
174	88.2	74.2	111.2

Manual Integrations
APPROVED

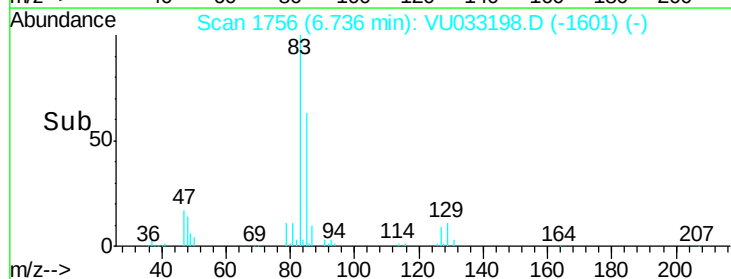
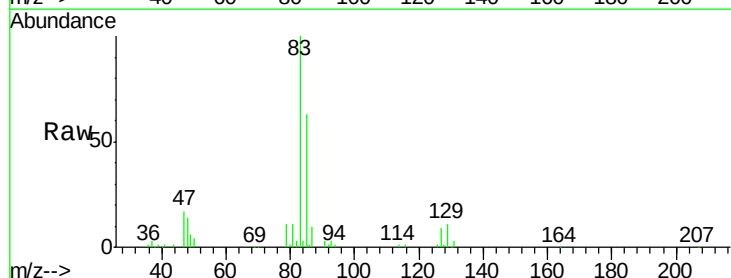
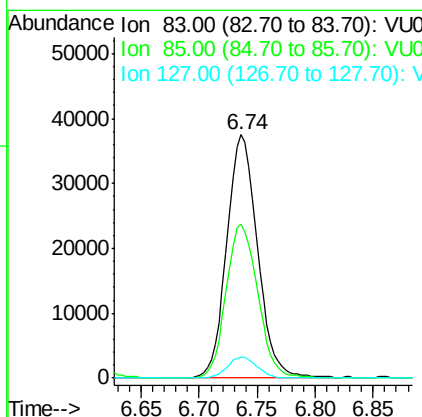
MMDadoda

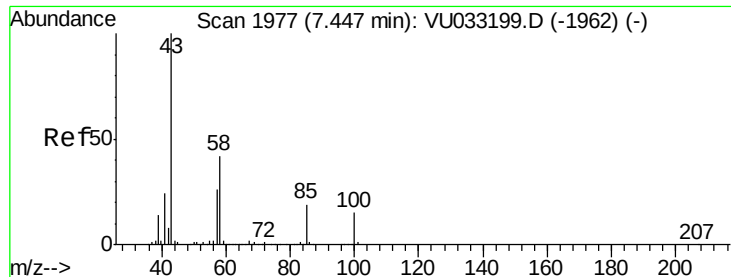
7/16/2019 4:03:19 PM



#44
Bromodichloromethane
Concen: 4.641 ug/l
RT: 6.74 min Scan# 1756
Delta R.T. -0.00 min
Lab File: VU033198.D
Acq: 11 Jul 2019 18:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.2	49.1	73.7
127	8.5	6.6	9.8





#45
4-Methyl-2-Pentanone
Concen: 25.764 ug/l
RT: 7.45 min Scan# 1977
Delta R.T. -0.00 min
Lab File: VU033198.D
Acq: 11 Jul 2019 18:14

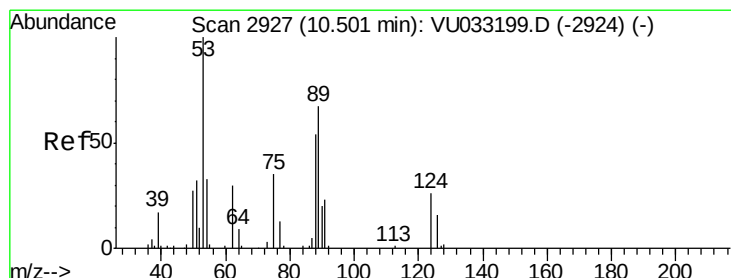
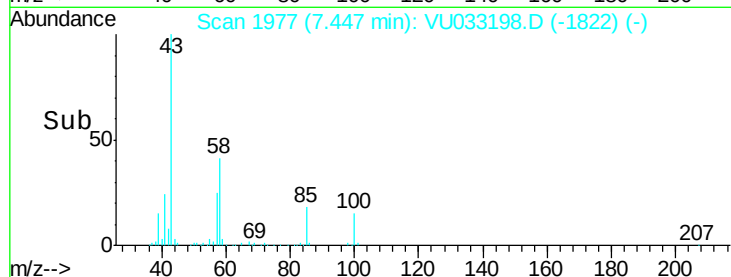
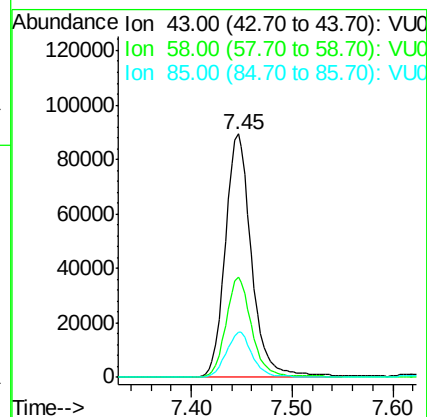
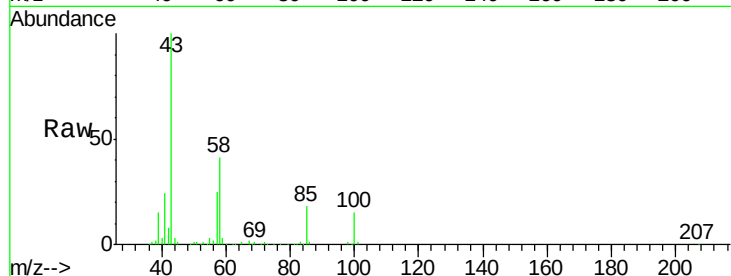
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
43	100	162928		
58	40.4		20.4	61.2
85	18.4		14.7	22.1

Manual Integrations
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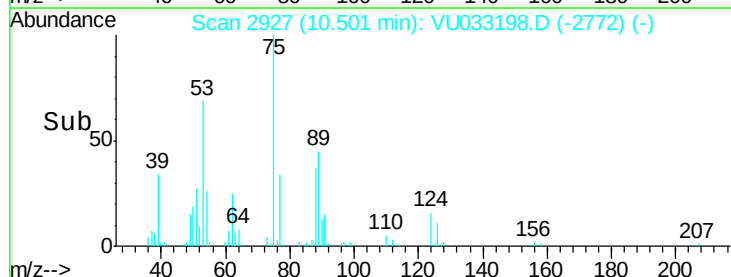
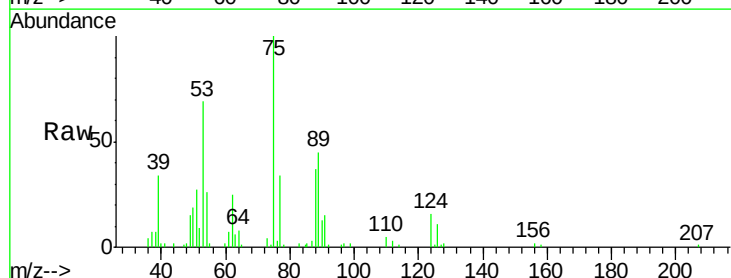
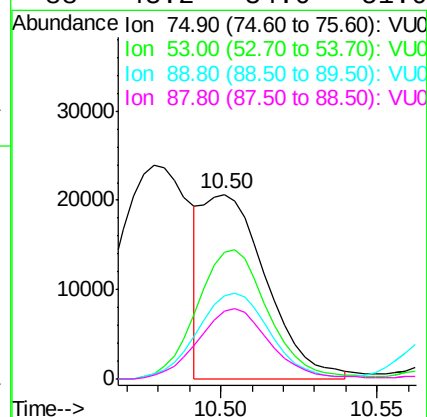
MMDadoda

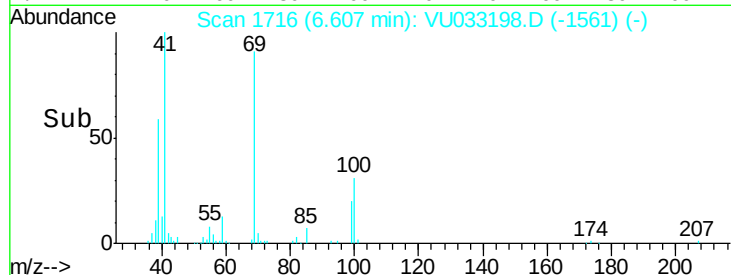
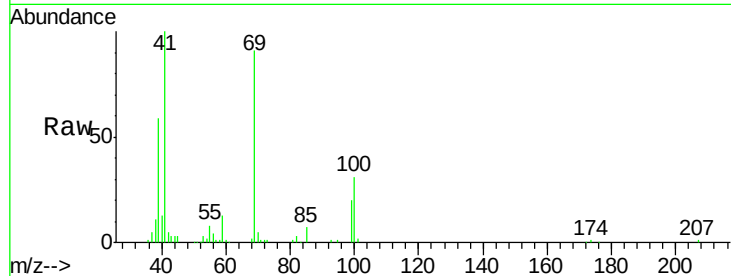
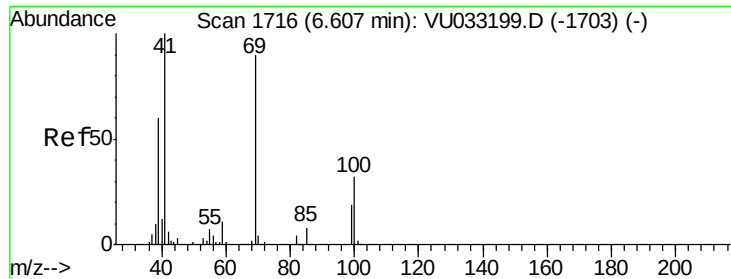
7/16/2019 4:03:19 PM



#46
t-1,4-Dichloro-2-butene
Concen: 10.233 ug/l m
RT: 10.50 min Scan# 2927
Delta R.T. -0.00 min
Lab File: VU033198.D
Acq: 11 Jul 2019 18:14

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	29217		
53	78.9		63.8	95.6
89	53.4		44.0	66.0
88	43.2		34.0	51.0





#47
Methyl methacrylate
Concen: 10.734 ug/l
RT: 6.61 min Scan# 1716
Delta R.T. -0.00 min
Lab File: VU033198.D
Acq: 11 Jul 2019 18:14

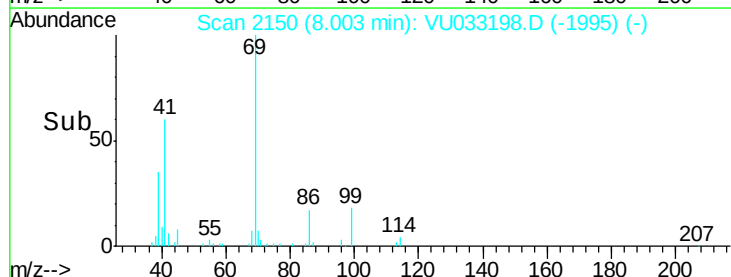
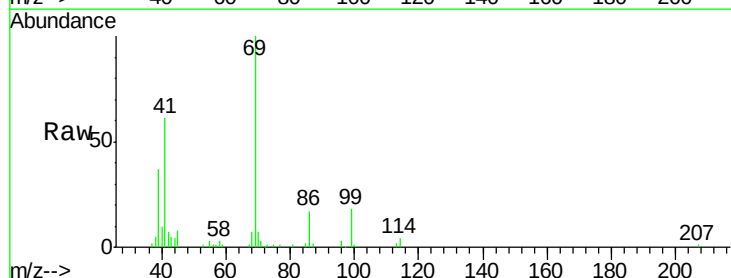
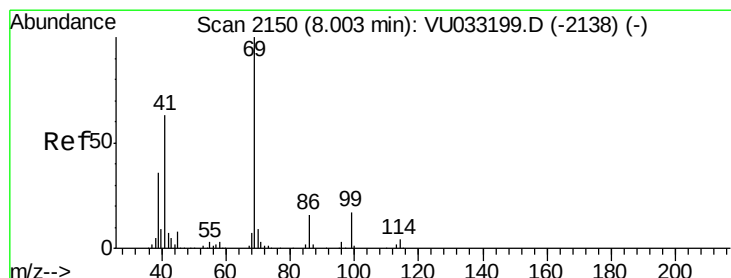
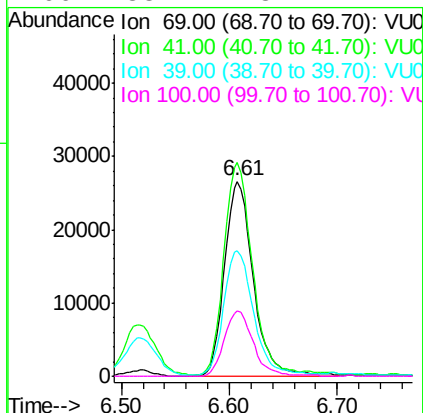
Tot Ion	Ion	Ratio	Resp	Lower	Upper
69	100		49654		
41	106.7	0.0	217.0		
39	65.5	52.1	78.1		
100	33.7	28.2	42.4		

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Manual Integrations
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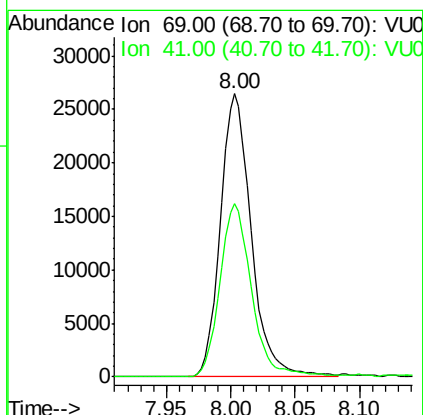
MMDadoda

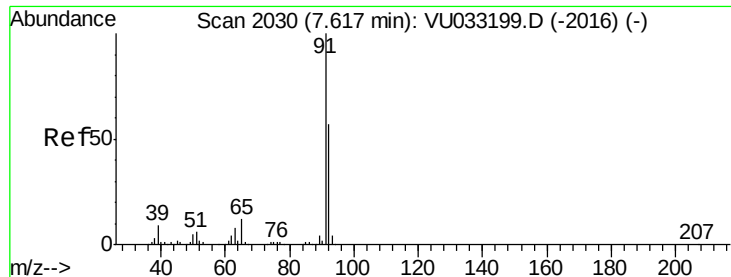
7/16/2019 4:03:19 PM



#48
Ethyl methacrylate
Concen: 5.126 ug/l
RT: 8.00 min Scan# 2150
Delta R.T. -0.00 min
Lab File: VU033198.D
Acq: 11 Jul 2019 18:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		43901		
41	63.1	31.3	93.8		





#49

Toluene

Concen: 4.930 ug/l

RT: 7.62 min Scan# 2030

Delta R.T. -0.00 min

Lab File: VU033198.D

Acq: 11 Jul 2019 18:14

Instrument :

MSVOA_U

ClientSampled :

VSTDIC005

Tot Ion: 92 Resp: 119830

Ion Ratio Lower Upper

92 100

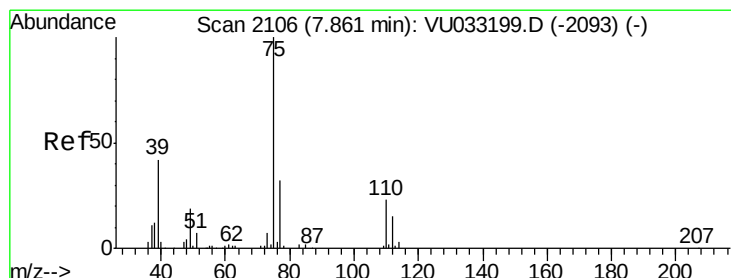
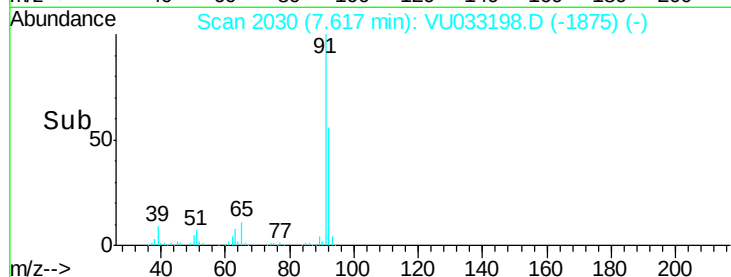
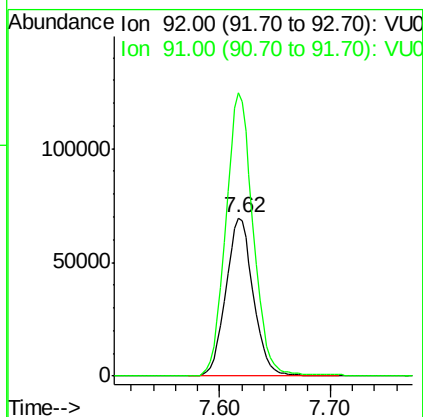
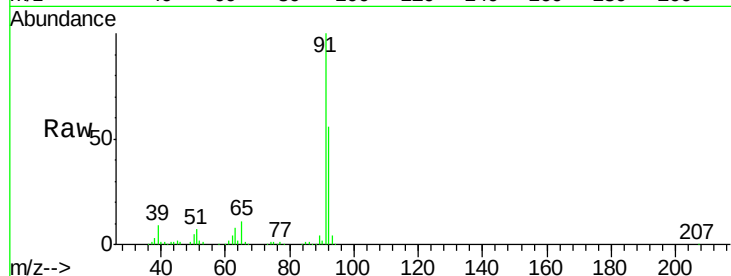
91 178.1 141.2 211.8

Manual Integrations

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7/16/2019 4:03:19 PM



#50

t-1,3-Dichloropropene

Concen: 4.965 ug/l

RT: 7.86 min Scan# 2106

Delta R.T. -0.00 min

Lab File: VU033198.D

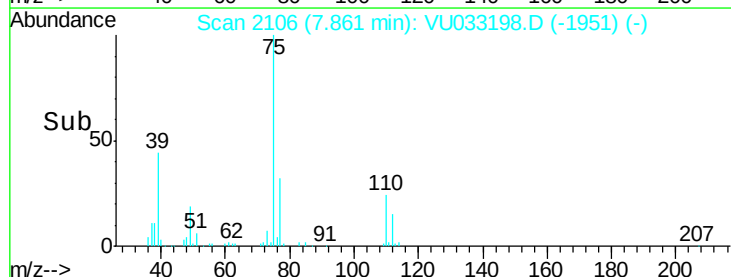
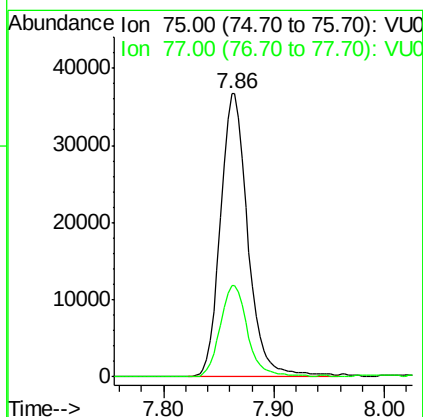
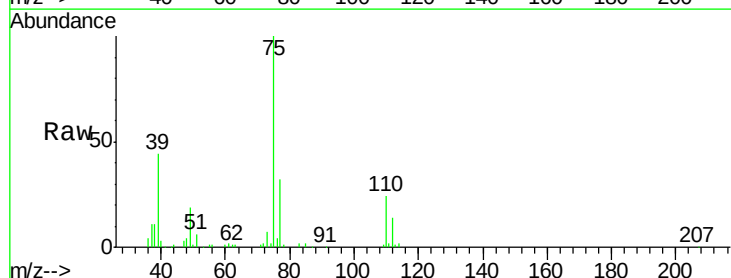
Acq: 11 Jul 2019 18:14

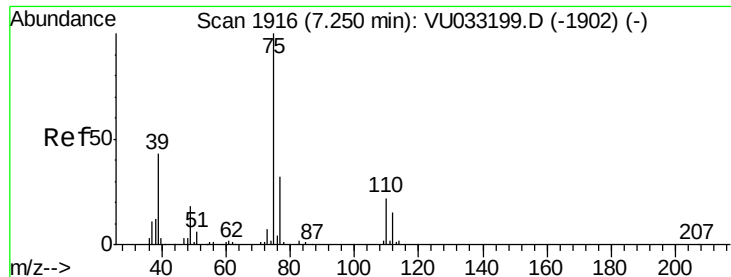
Tgt Ion: 75 Resp: 63567

Ion Ratio Lower Upper

75 100

77 32.1 25.2 37.8





#51
 cis-1,3-Dichloropropene
 Concen: 4.884 ug/l
 RT: 7.25 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VU033198.D
 Acq: 11 Jul 2019 18:14

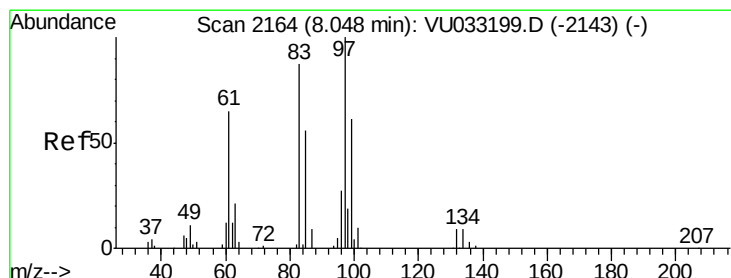
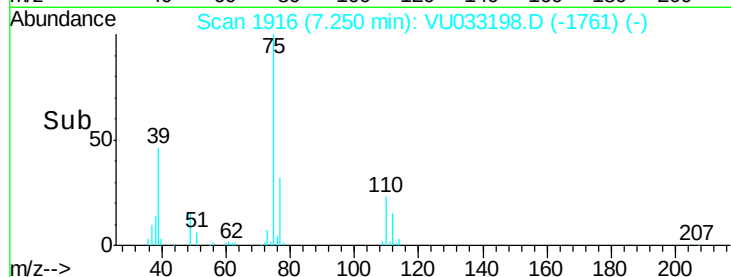
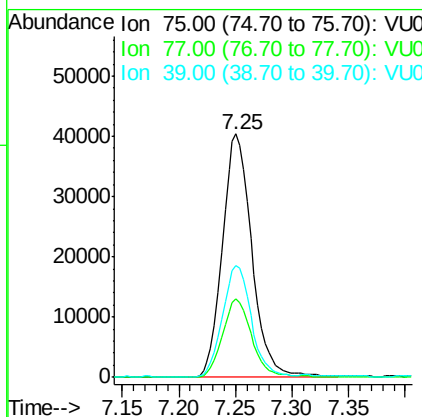
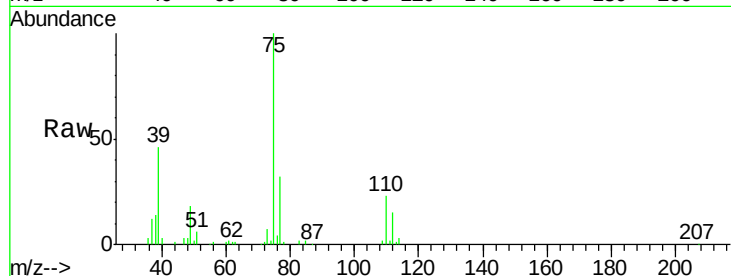
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.4	38.0
39	45.7	34.5	51.7

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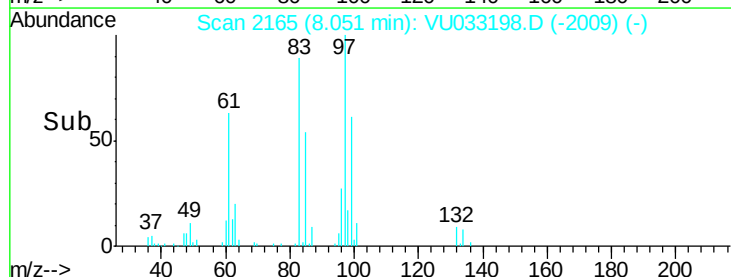
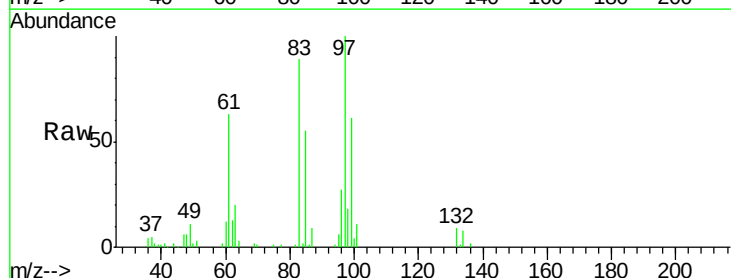
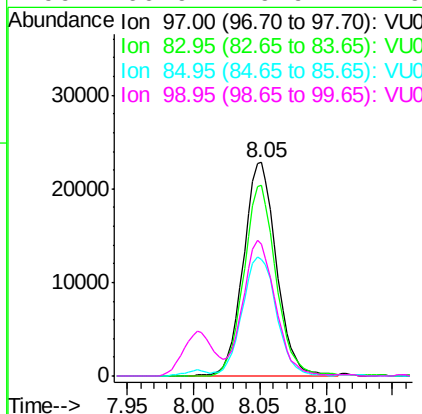
MMDadoda

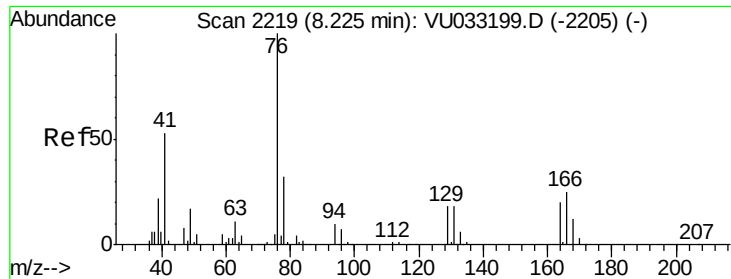
7/16/2019 4:03:19 PM



#52
 1,1,2-Trichloroethane
 Concen: 4.803 ug/l
 RT: 8.05 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VU033198.D
 Acq: 11 Jul 2019 18:14

Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.1	69.9	104.9
85	54.2	45.2	67.8
99	60.9	49.9	74.9





#53
 1,3-Dichloropropane
 Concen: 4.866 ug/l
 RT: 8.22 min Scan# 2219
 Delta R.T. -0.00 min
 Lab File: VU033198.D
 Acq: 11 Jul 2019 18:14

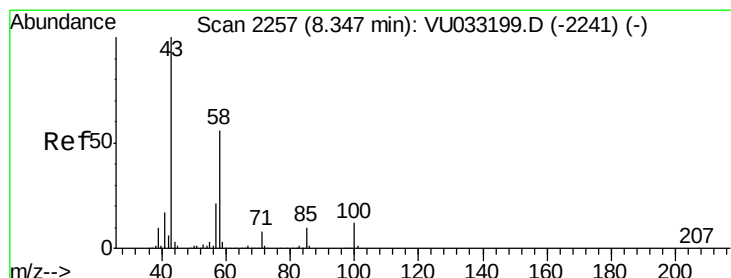
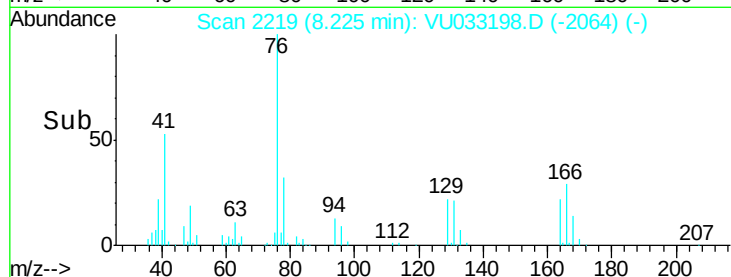
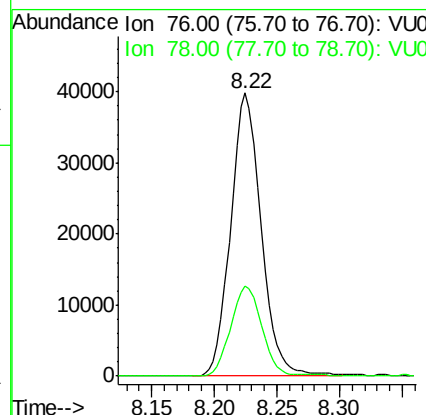
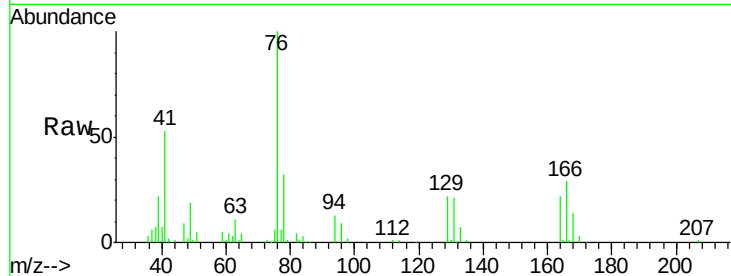
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion: 76 Resp: 67179
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.9 38.9

Manual Integrations
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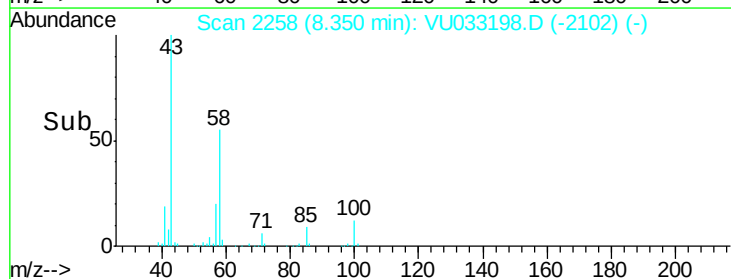
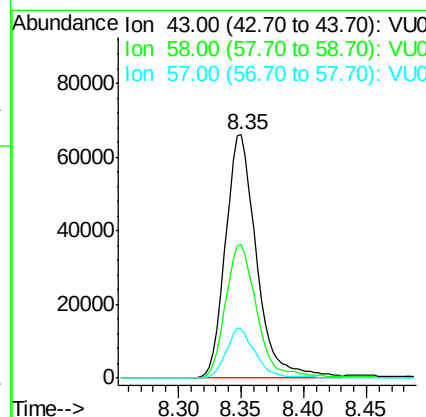
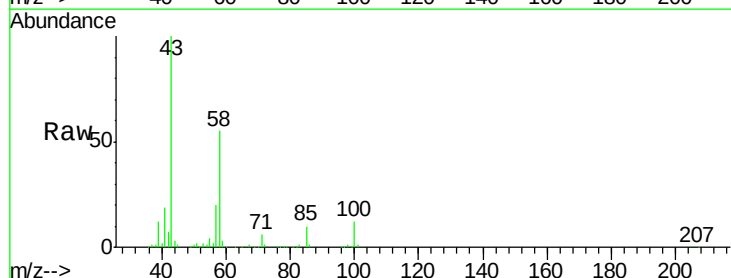
MMDadoda

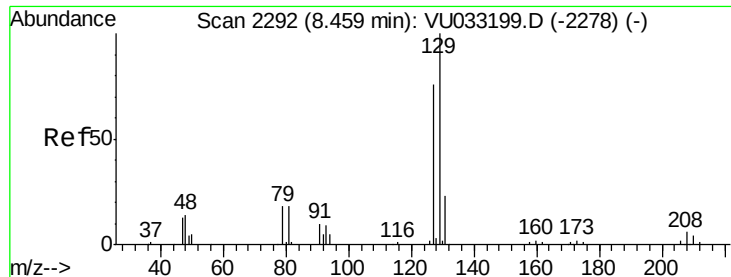
7/16/2019 4:03:19 PM



#54
 2-Hexanone
 Concen: 26.491 ug/l
 RT: 8.35 min Scan# 2258
 Delta R.T. 0.00 min
 Lab File: VU033198.D
 Acq: 11 Jul 2019 18:14

Tgt Ion: 43 Resp: 114092
 Ion Ratio Lower Upper
 43 100
 58 55.9 35.8 75.8
 57 18.9 0.2 40.2





#55

Dibromochloromethane

Concen: 4.881 ug/l

RT: 8.46 min Scan# 2292

Delta R.T. -0.00 min

Lab File: VU033198.D

Acq: 11 Jul 2019 18:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion:129 Resp: 46855

Ion Ratio Lower Upper

129 100

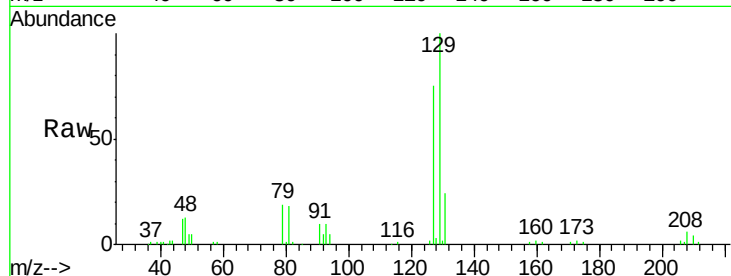
127 75.0 62.9 94.3

Manual Integrations

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7/16/2019 4:03:19 PM



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

8.46

25000

20000

15000

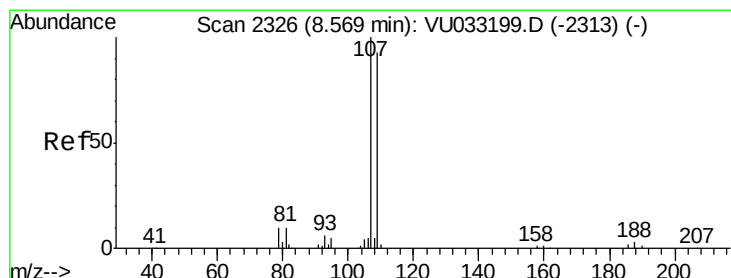
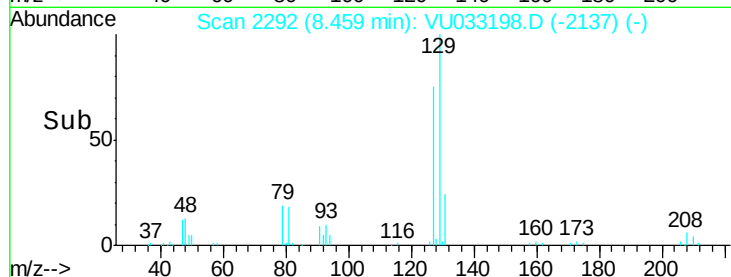
10000

5000

0

8.40 8.45 8.50 8.55

Time-->



#56

1,2-Dibromoethane

Concen: 4.855 ug/l

RT: 8.57 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VU033198.D

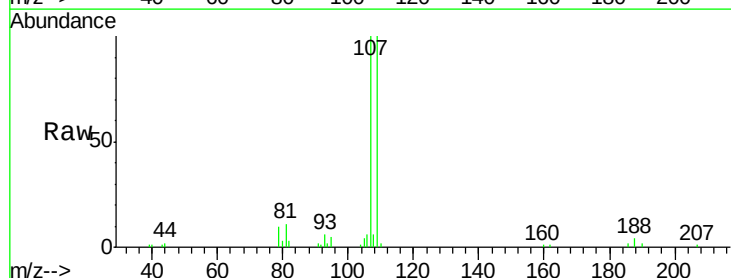
Acq: 11 Jul 2019 18:14

Tgt Ion:107 Resp: 36482

Ion Ratio Lower Upper

107 100

109 96.7 0.0 189.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

8.57

20000

15000

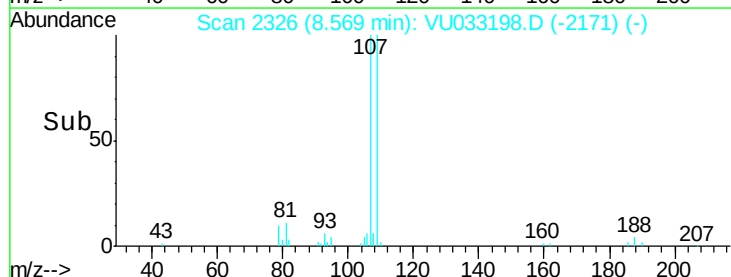
10000

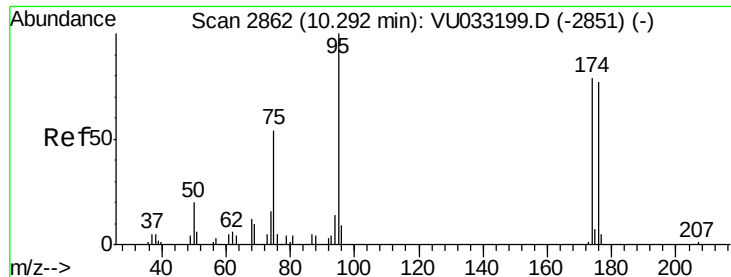
5000

0

8.50 8.55 8.60 8.65

Time-->





#57

4-Bromofluorobenzene

Concen: 0.971 ug/l

RT: 10.29 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VU033198.D

Acq: 11 Jul 2019 18:14

Instrument :

MSVOA_U

ClientSampled :

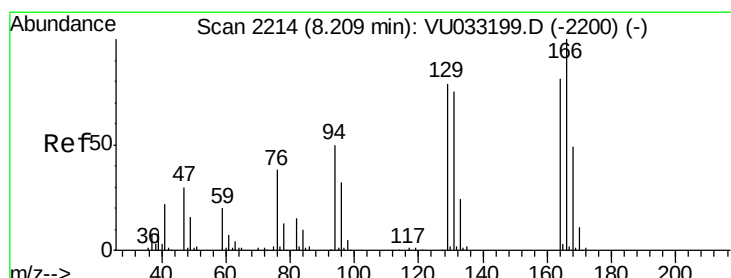
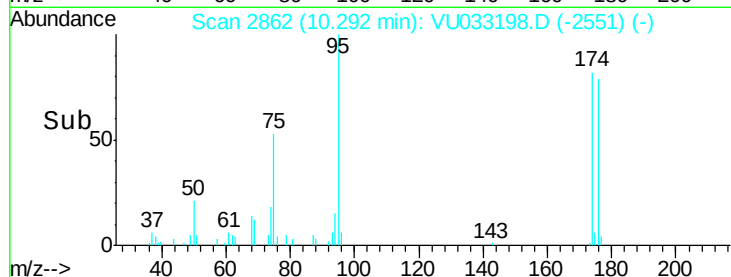
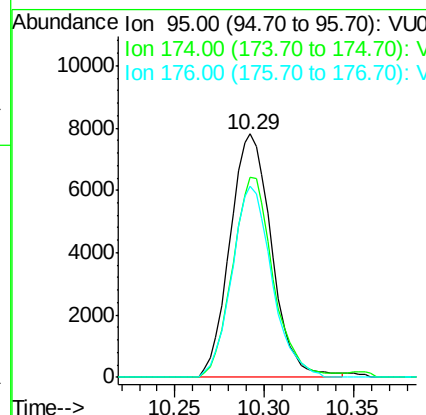
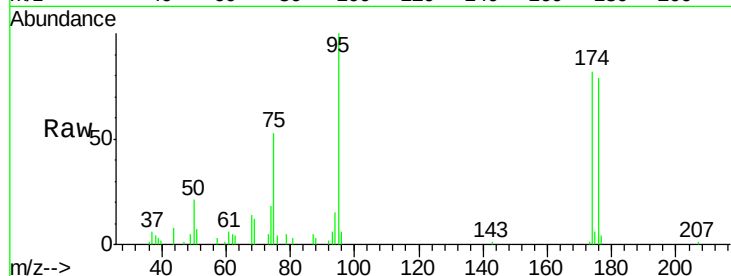
VSTDIC005

Tot Ion:	95	Resp:	12705
Ion Ratio	Lower	Upper	
95	100		
174	80.5	63.8	95.8
176	75.5	64.5	96.7

Manual Integrations
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7/16/2019 4:03:19 PM



#58

Tetrachloroethene

Concen: 4.843 ug/l

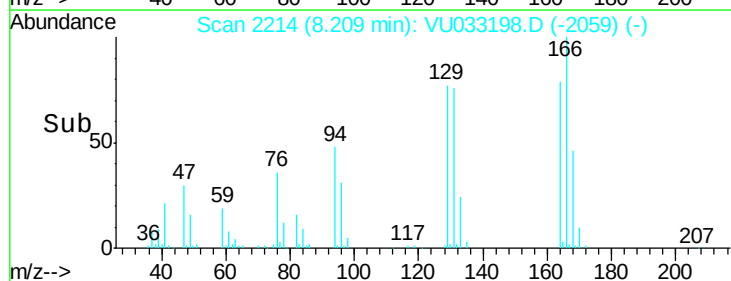
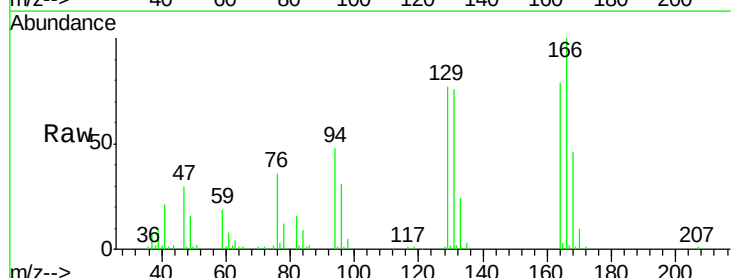
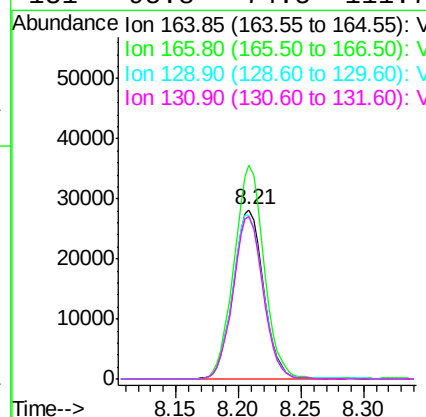
RT: 8.21 min Scan# 2214

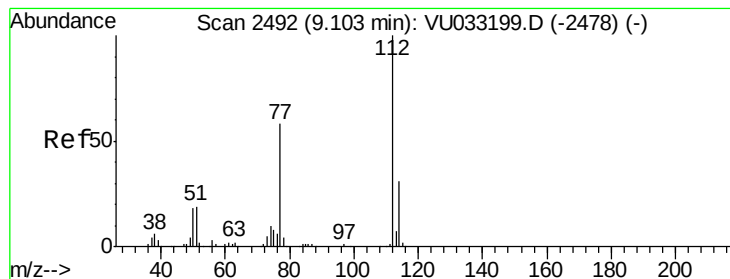
Delta R.T. -0.00 min

Lab File: VU033198.D

Acq: 11 Jul 2019 18:14

Tgt Ion:	164	Resp:	47246
Ion Ratio	Lower	Upper	
164	100		
166	126.3	99.3	148.9
129	96.6	78.0	117.0
131	95.8	74.5	111.7





#59

Chlorobenzene

Concen: 4.851 ug/l

RT: 9.10 min Scan# 2492

Delta R.T. -0.00 min

Lab File: VU033198.D

Acq: 11 Jul 2019 18:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion:112 Resp: 131266

Ion Ratio Lower Upper

112 100

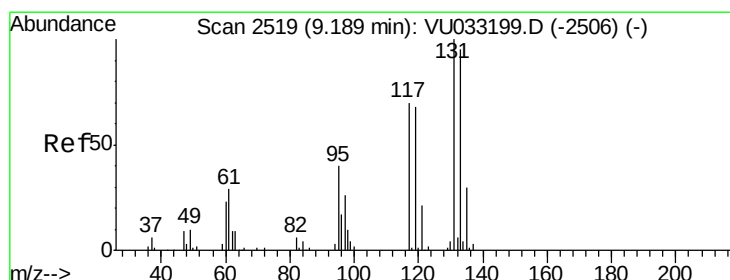
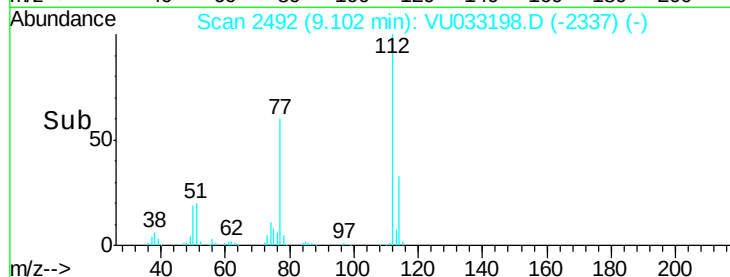
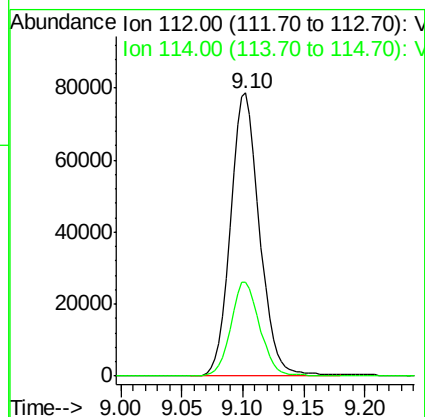
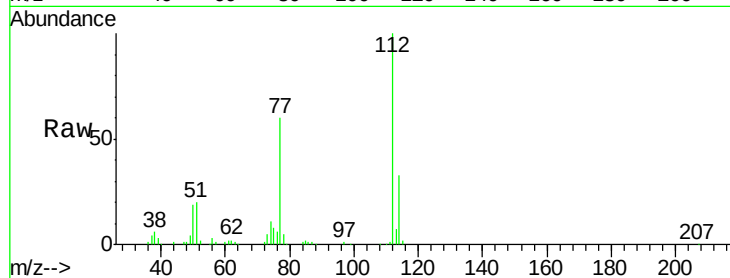
114 33.3 25.1 37.7

Manual Integrations

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#60

1,1,1,2-Tetrachloroethane

Concen: 4.673 ug/l

RT: 9.19 min Scan# 2519

Delta R.T. -0.00 min

Lab File: VU033198.D

Acq: 11 Jul 2019 18:14

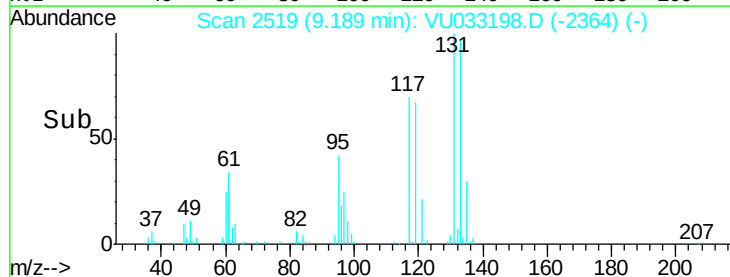
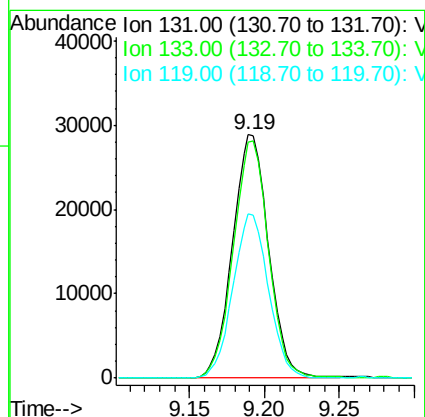
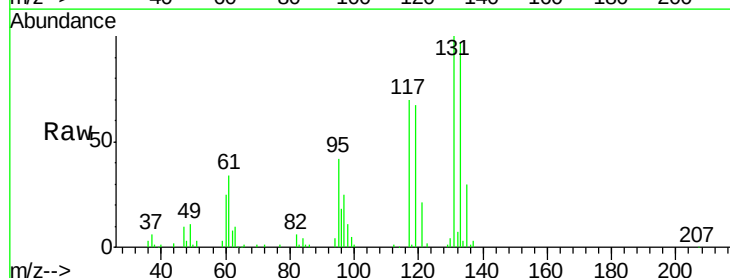
Tgt Ion:131 Resp: 48410

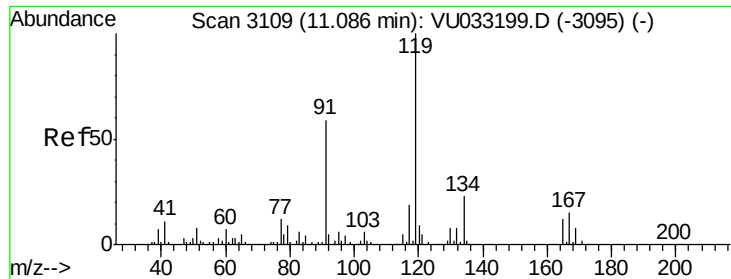
Ion Ratio Lower Upper

131 100

133 95.6 76.7 115.1

119 66.8 54.2 81.2





#61

Pentachloroethane

Concen: 4.560 ug/l

RT: 11.09 min Scan# 3109

Delta R.T. -0.00 min

Lab File: VU033198.D

Acq: 11 Jul 2019 18:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion:117 Resp: 38374

Ion Ratio Lower Upper

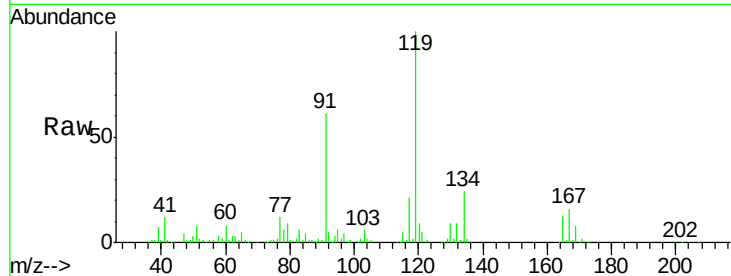
117 100

167 78.0 63.6 95.4

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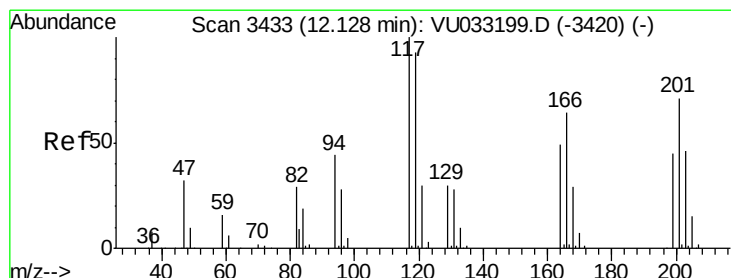
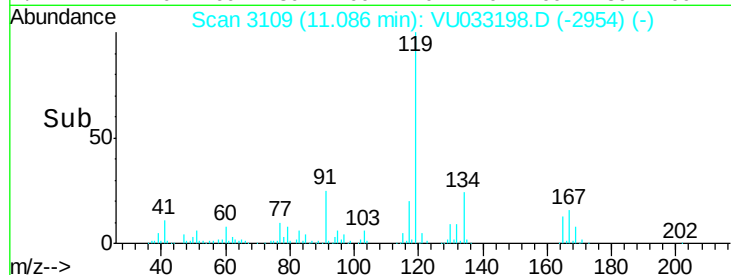
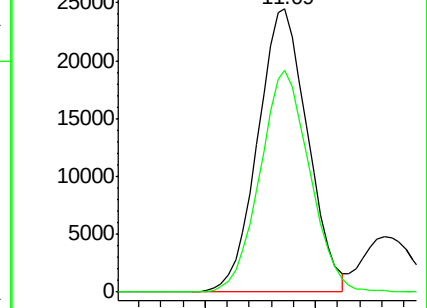
MMDadoda

7/16/2019 4:03:19 PM



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V



#62

Hexachloroethane

Concen: 4.556 ug/l

RT: 12.13 min Scan# 3433

Delta R.T. -0.00 min

Lab File: VU033198.D

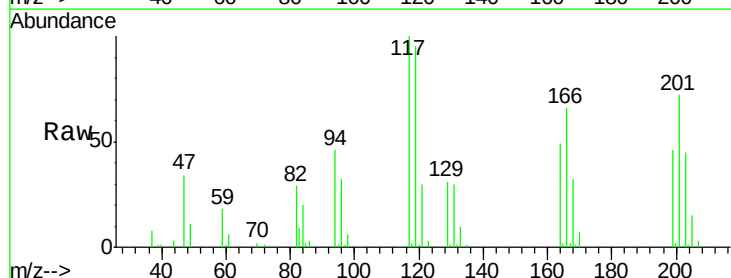
Acq: 11 Jul 2019 18:14

Tgt Ion:117 Resp: 36819

Ion Ratio Lower Upper

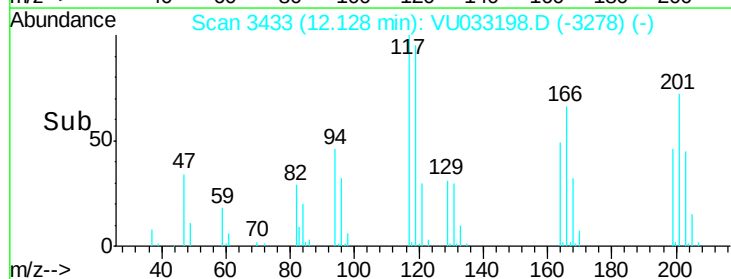
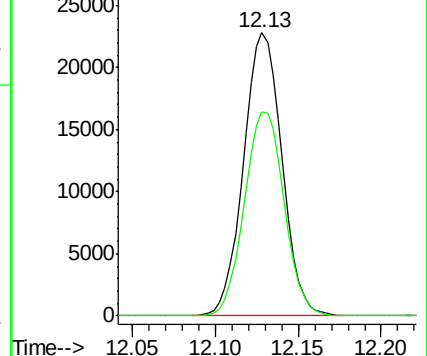
117 100

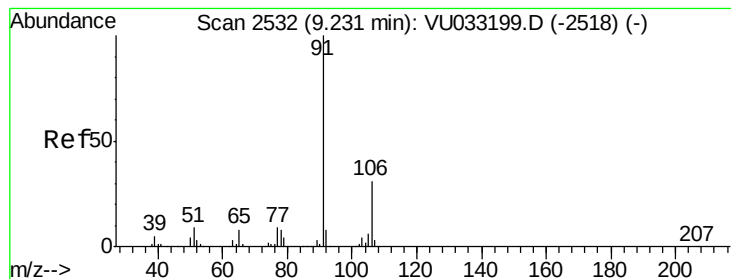
201 74.5 58.5 87.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V





#63

Ethyl Benzene

Concen: 5.003 ug/l

RT: 9.23 min Scan# 2532

Delta R.T. -0.00 min

Lab File: VU033198.D

Acq: 11 Jul 2019 18:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 222998

Ion Ratio Lower Upper

91 100

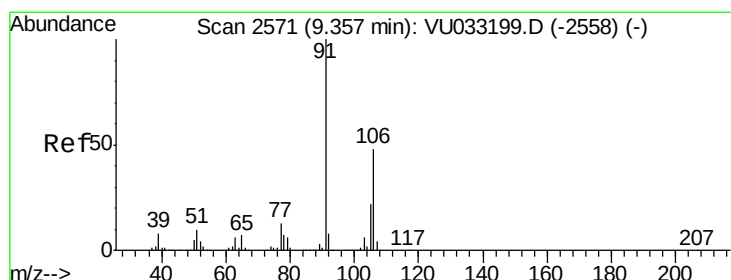
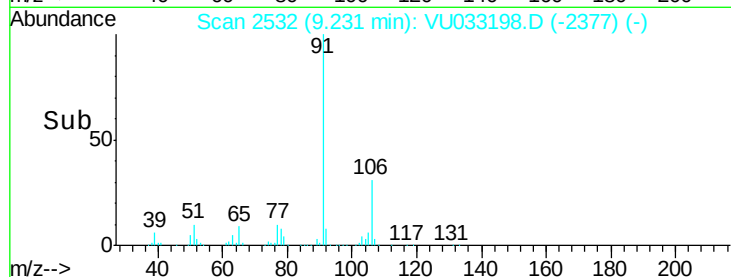
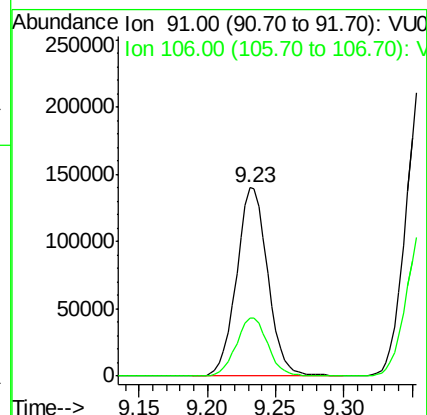
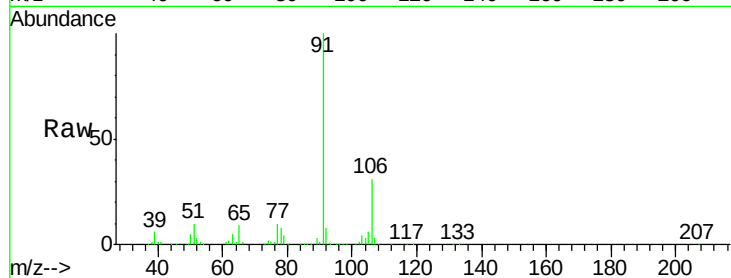
106 30.9 24.9 37.3

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7/16/2019 4:03:19 PM



#64

m/p-Xylenes

Concen: 10.394 ug/l

RT: 9.36 min Scan# 2571

Delta R.T. -0.00 min

Lab File: VU033198.D

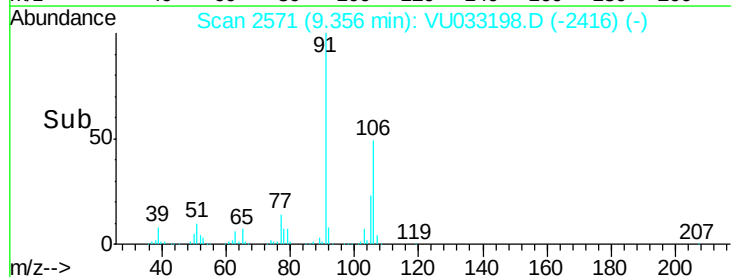
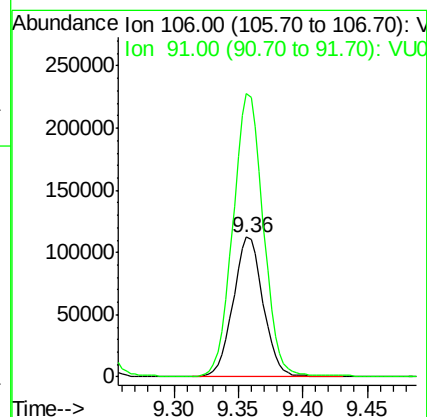
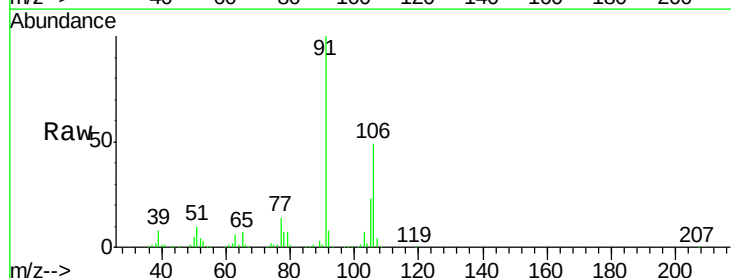
Acq: 11 Jul 2019 18:14

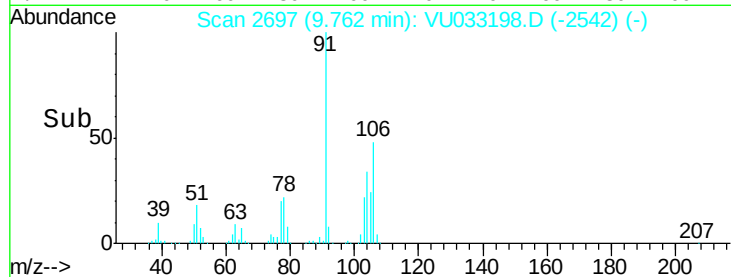
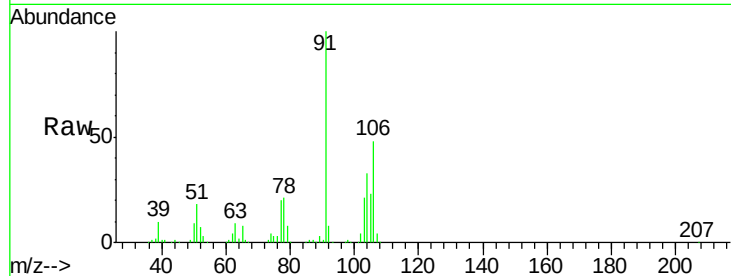
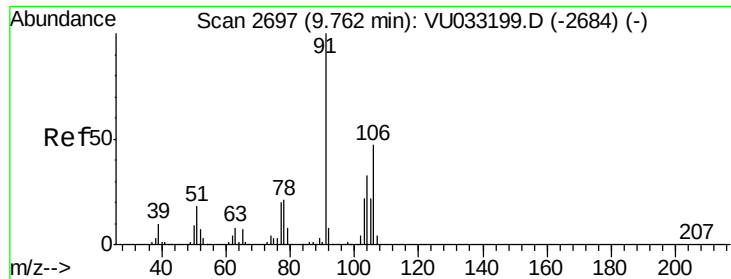
Tgt Ion: 106 Resp: 180546

Ion Ratio Lower Upper

106 100

91 205.7 164.8 247.2





#65
o-Xylene
Concen: 5.151 ug/l
RT: 9.76 min Scan# 2697
Delta R.T. -0.00 min
Lab File: VU033198.D
Acq: 11 Jul 2019 18:14

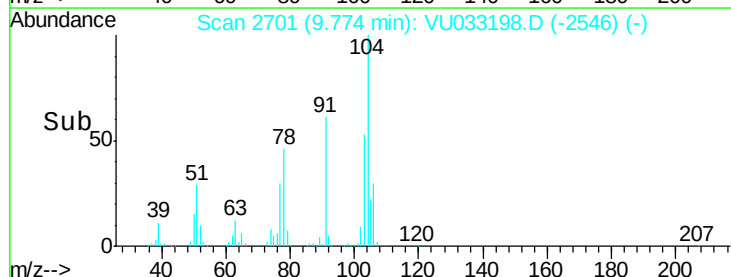
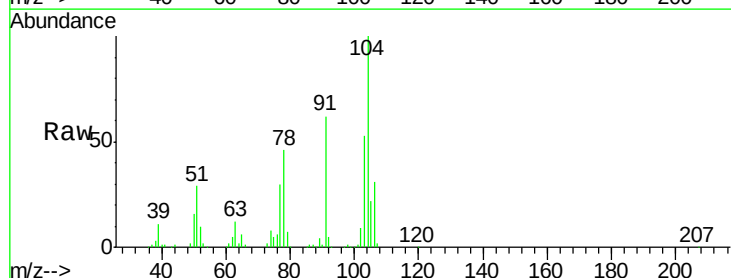
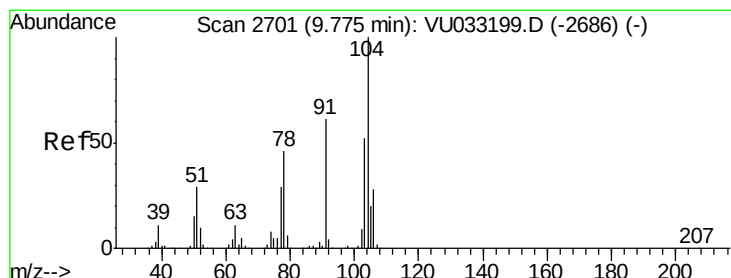
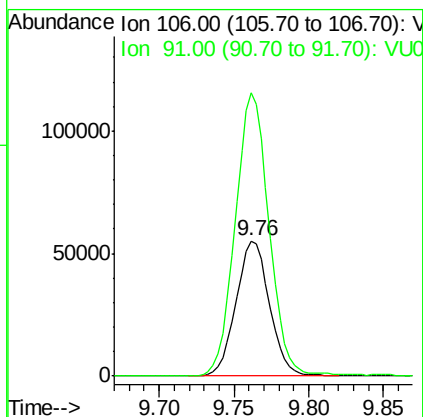
Tot Ion:106 Resp: 85915
Ion Ratio Lower Upper
106 100
91 211.7 108.6 325.8

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

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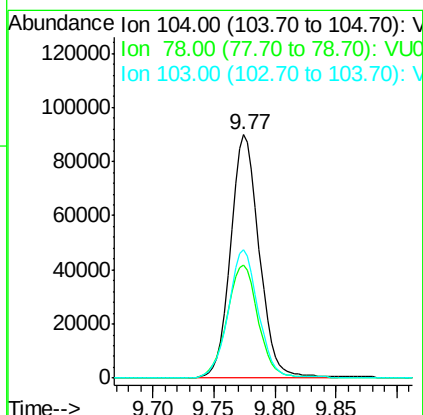
MMDadoda

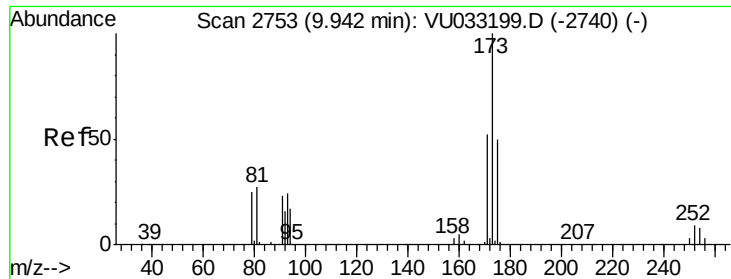
7/16/2019 4:03:19 PM



#66
Styrene
Concen: 5.269 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. -0.00 min
Lab File: VU033198.D
Acq: 11 Jul 2019 18:14

Tgt Ion:104 Resp: 147995
Ion Ratio Lower Upper
104 100
78 50.6 40.4 60.6
103 55.7 44.3 66.5





#67
Bromoform
Concen: 4.882 ug/l
RT: 9.94 min Scan# 2753
Delta R.T. -0.00 min
Lab File: VU033198.D
Acq: 11 Jul 2019 18:14

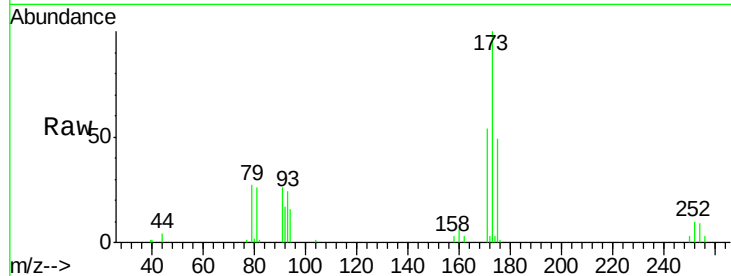
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.4	39.4	59.0
254	8.3	6.9	10.3

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7/16/2019 4:03:19 PM

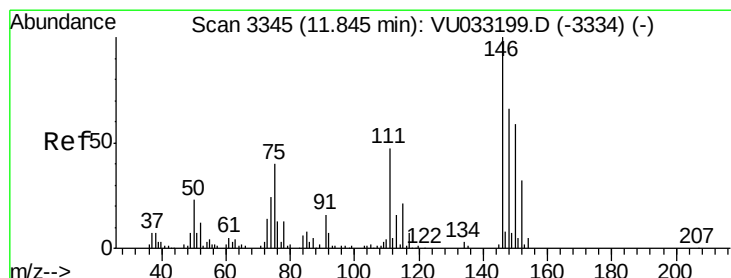
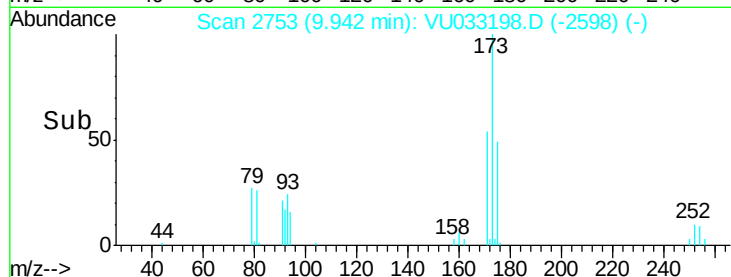
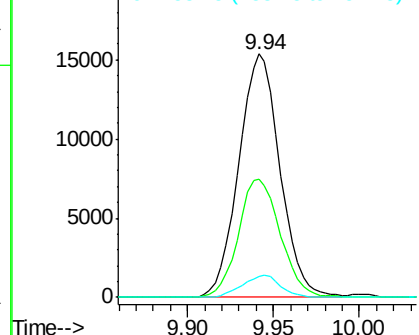


Abundance

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: 0.990 ug/l
RT: 11.85 min Scan# 3345
Delta R.T. -0.00 min
Lab File: VU033198.D
Acq: 11 Jul 2019 18:14

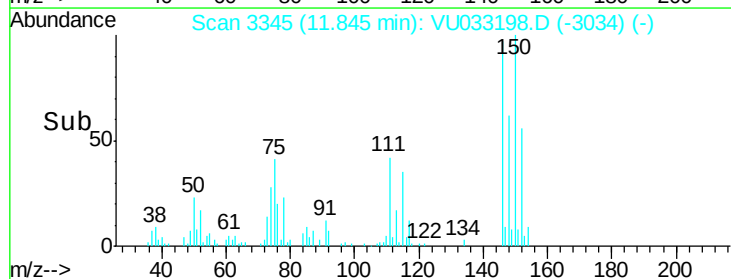
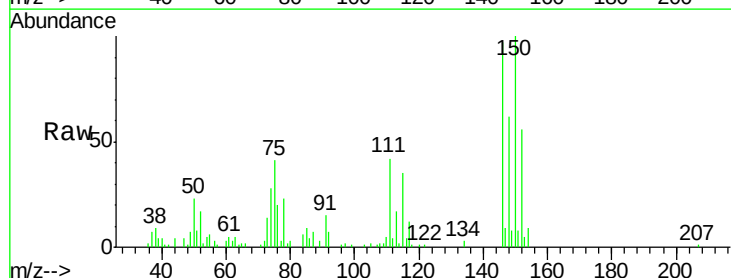
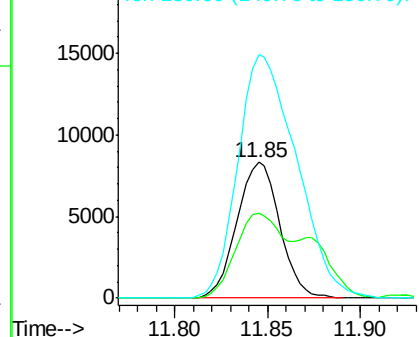
Tgt Ion	Ratio	Lower	Upper
152	100		
115	72.7	0.0	131.0
150	246.0	0.0	634.4

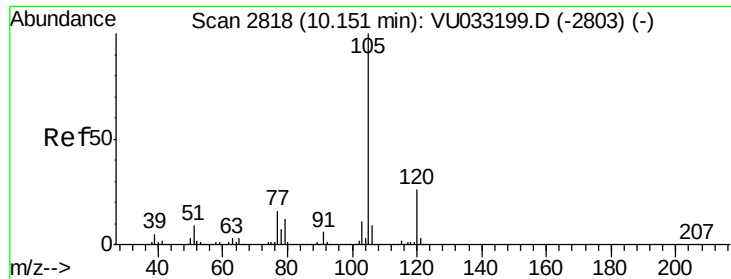
Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 5.096 ug/l

RT: 10.15 min Scan# 2818

Delta R.T. -0.00 min

Lab File: VU033198.D

Acq: 11 Jul 2019 18:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 221955

Ion Ratio Lower Upper

105 100

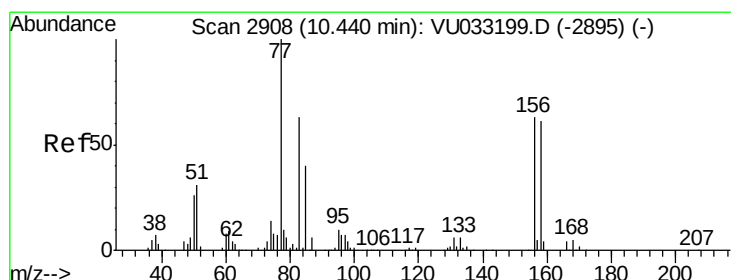
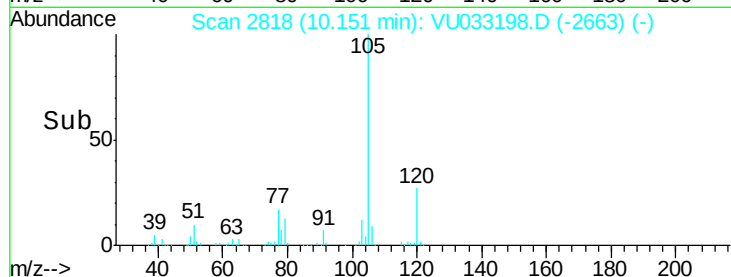
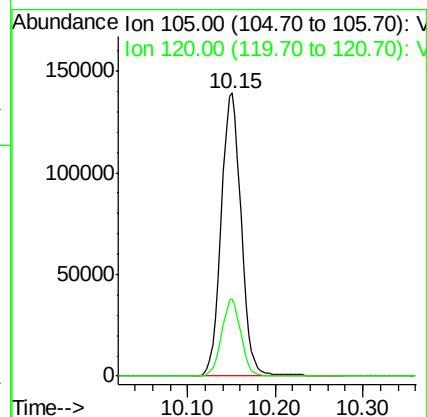
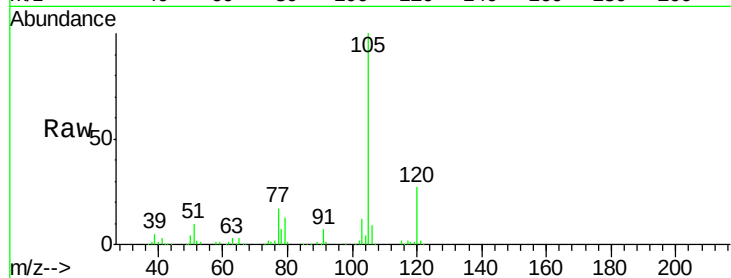
120 26.3 13.2 39.6

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7/16/2019 4:03:19 PM



#70

1,1,2,2-Tetrachloroethane

Concen: 4.887 ug/l

RT: 10.44 min Scan# 2908

Delta R.T. -0.00 min

Lab File: VU033198.D

Acq: 11 Jul 2019 18:14

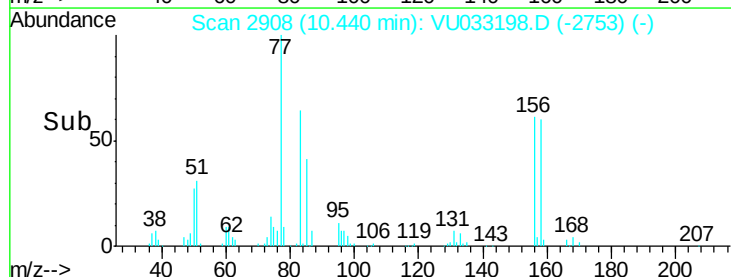
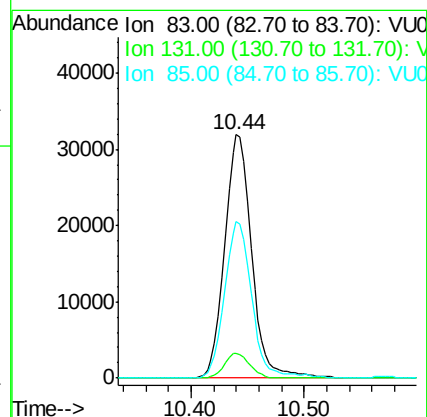
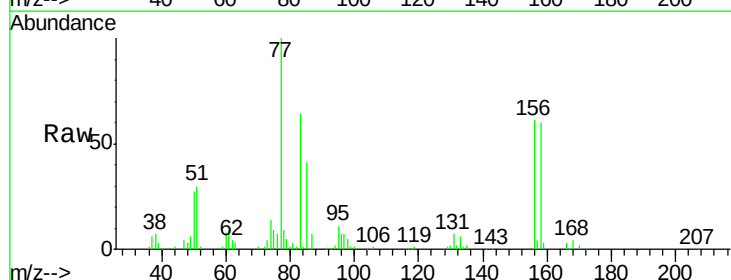
Tgt Ion: 83 Resp: 53132

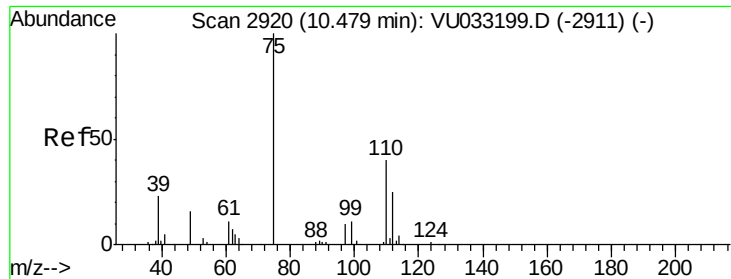
Ion Ratio Lower Upper

83 100

131 9.5 8.0 12.0

85 64.2 50.6 76.0





#71
 1,2,3-Trichloropropane
 Concen: 5.007 ug/l m
 RT: 10.48 min Scan# 2920
 Delta R.T. -0.00 min
 Lab File: VU033198.D
 Acq: 11 Jul 2019 18:14

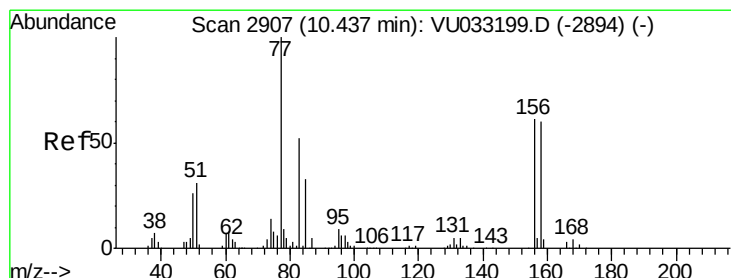
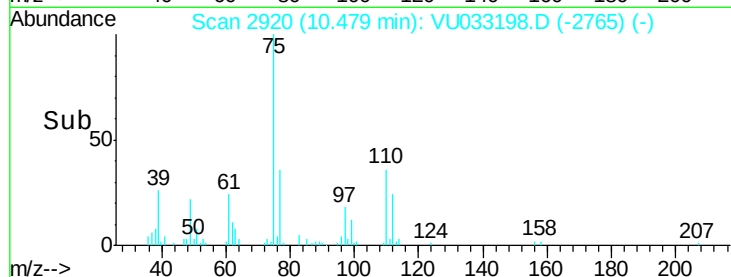
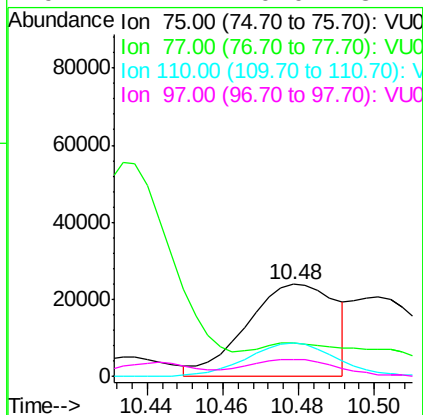
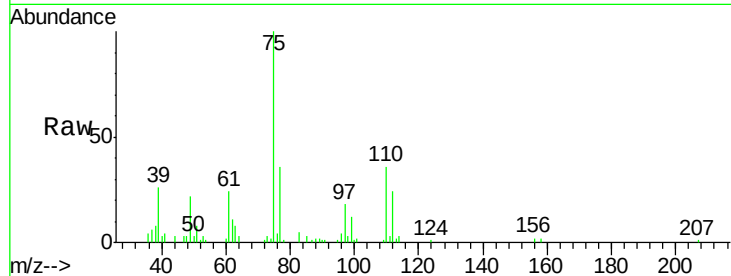
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
75	100			
77	57.0	0.0	15.4#	
110	35.9	0.0	72.2	
97	17.2	0.0	37.2	

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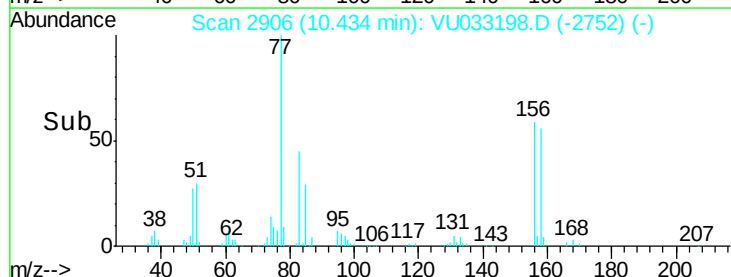
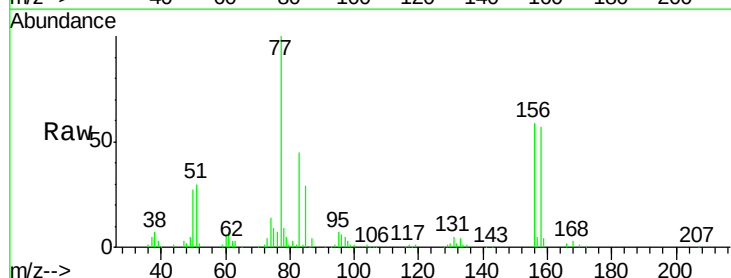
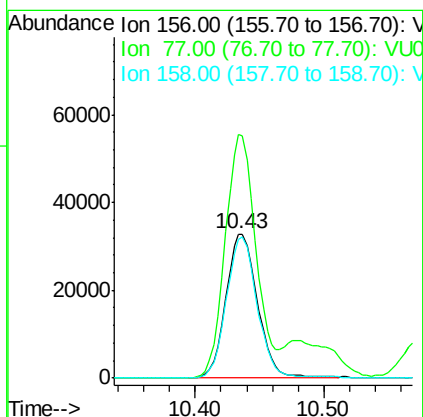
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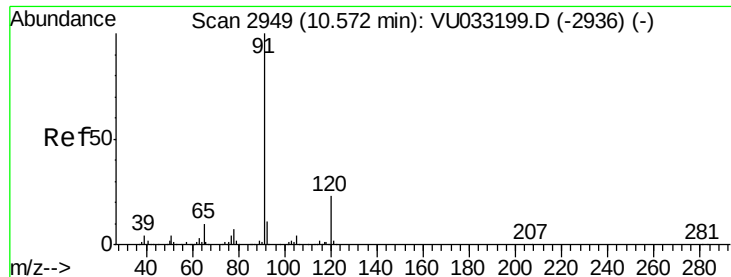
7/16/2019 4:03:19 PM



#72
 Bromobenzene
 Concen: 5.023 ug/l
 RT: 10.43 min Scan# 2906
 Delta R.T. -0.00 min
 Lab File: VU033198.D
 Acq: 11 Jul 2019 18:14

Tgt Ion	Ion	Ratio	Lower	Upper
156	100			
77	164.0	0.0	326.0	
158	95.4	0.0	193.2	





#73
n-propylbenzene
Concen: 5.228 ug/l
RT: 10.57 min Scan# 2949
Delta R.T. -0.00 min
Lab File: VU033198.D
Acq: 11 Jul 2019 18:14

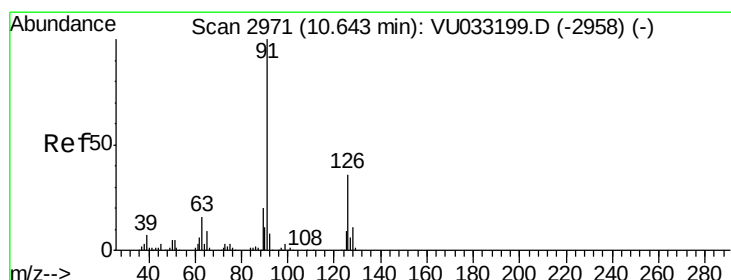
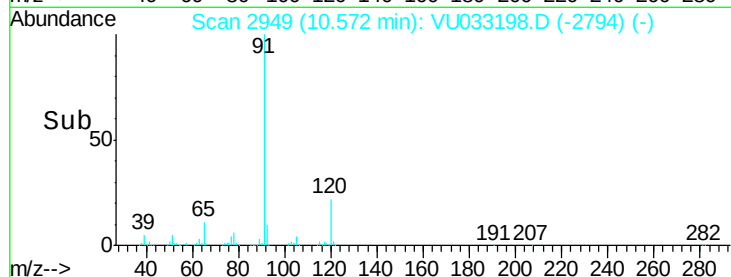
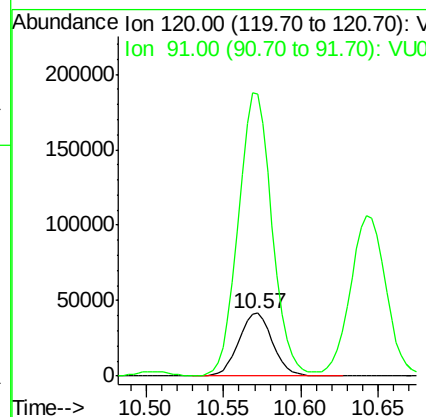
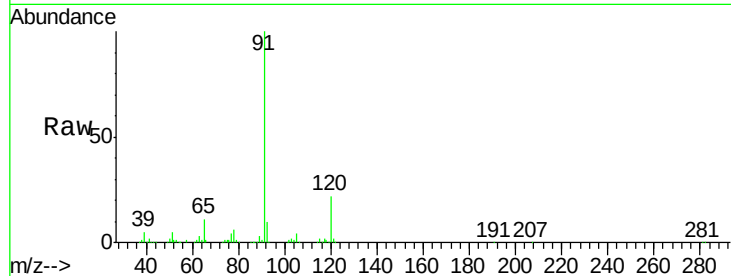
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion:120 Resp: 63324
Ion Ratio Lower Upper
120 100
91 445.9 349.0 523.4

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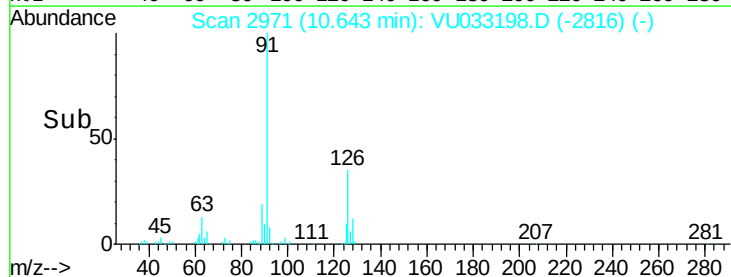
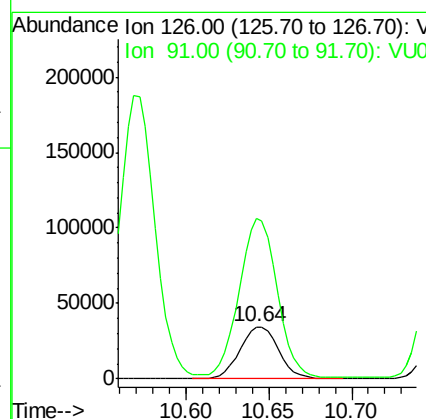
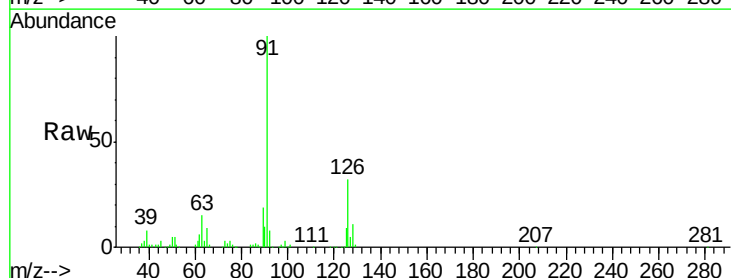
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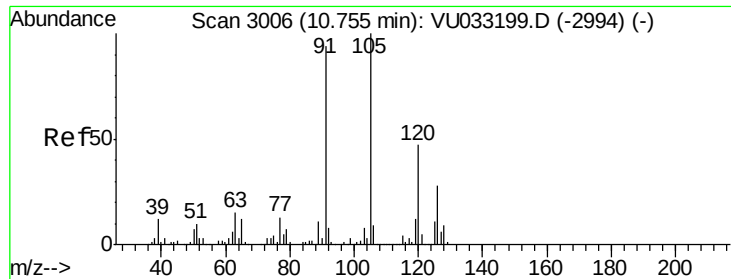
7/16/2019 4:03:19 PM



#74
2-Chlorotoluene
Concen: 5.052 ug/l
RT: 10.64 min Scan# 2971
Delta R.T. -0.00 min
Lab File: VU033198.D
Acq: 11 Jul 2019 18:14

Tgt Ion:126 Resp: 55945
Ion Ratio Lower Upper
126 100
91 306.6 0.0 592.2





#75

1,3,5-Trimethylbenzene

Concen: 5.202 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. -0.00 min

Lab File: VU033198.D

Acq: 11 Jul 2019 18:14

Instrument :

MSVOA_U

ClientSampled :

VSTDIC005

Tot Ion:105 Resp: 200703

Ion Ratio Lower Upper

105 100

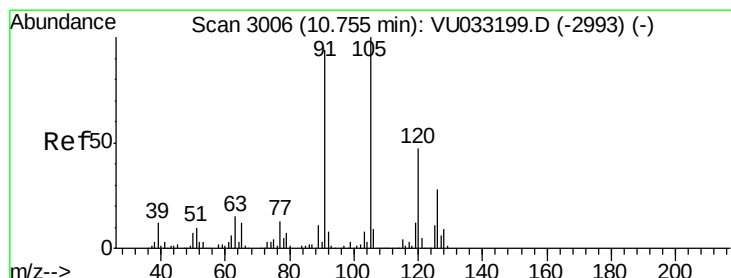
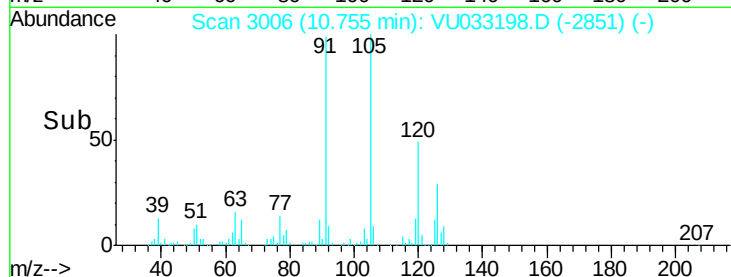
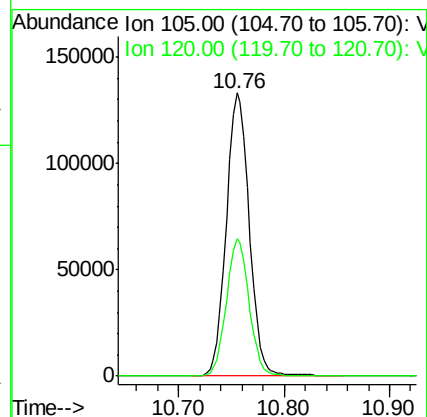
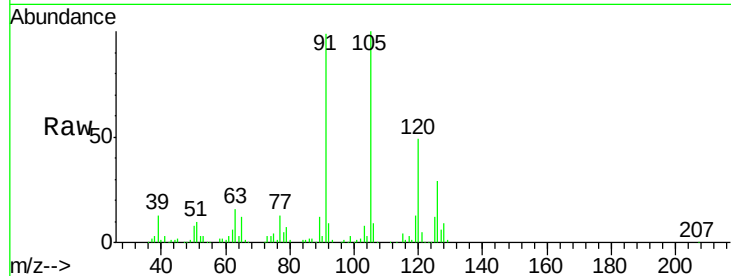
120 48.3 37.8 56.8

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7/16/2019 4:03:19 PM



#76

4-Chlorotoluene

Concen: 4.994 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. -0.00 min

Lab File: VU033198.D

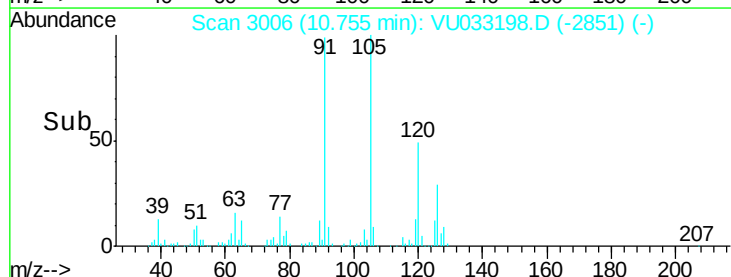
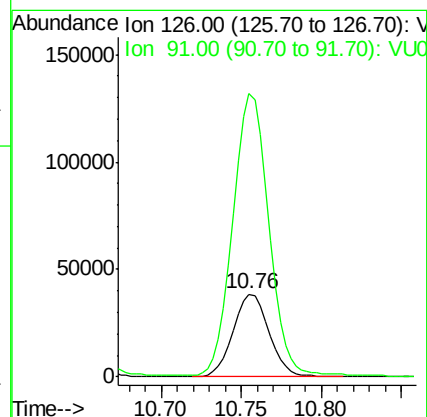
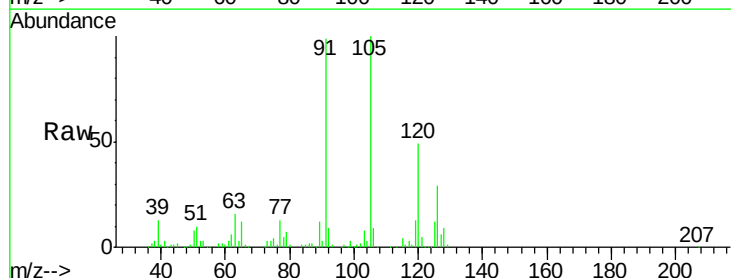
Acq: 11 Jul 2019 18:14

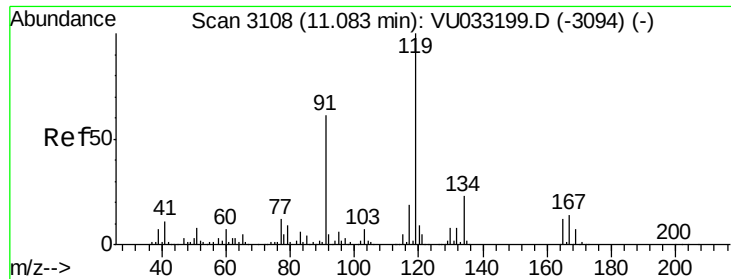
Tgt Ion:126 Resp: 57958

Ion Ratio Lower Upper

126 100

91 349.4 0.0 663.4





#77
 tert-Butylbenzene
 Concen: 4.991 ug/l
 RT: 11.08 min Scan# 3108
 Delta R.T. -0.00 min
 Lab File: VU033198.D
 Acq: 11 Jul 2019 18:14

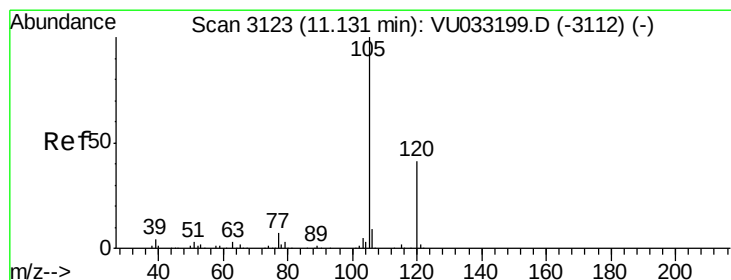
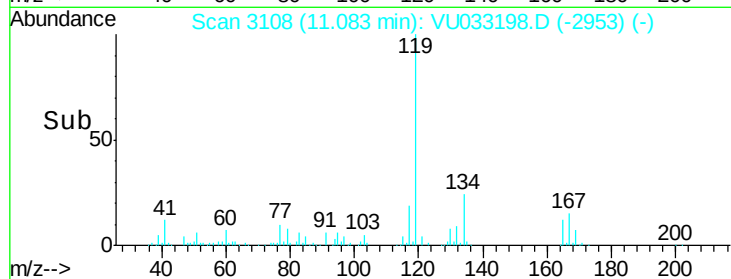
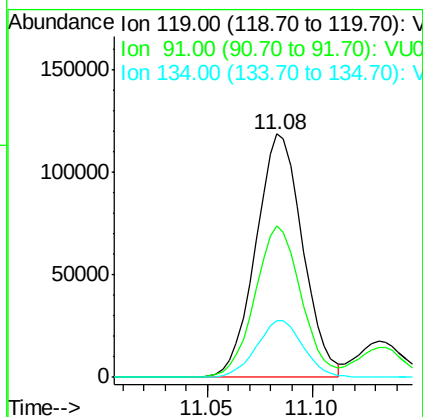
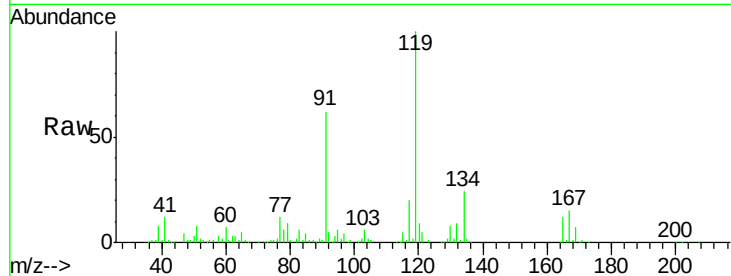
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.9	29.8	89.5
134	23.5	18.2	27.4

Manual Integrations
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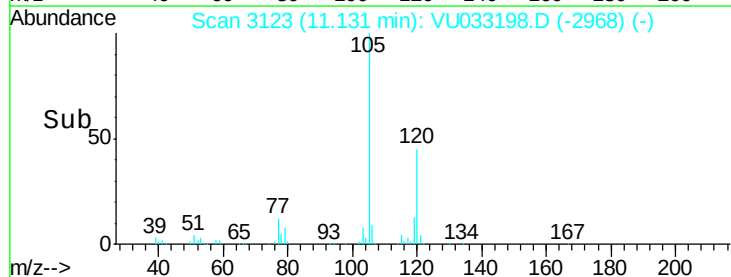
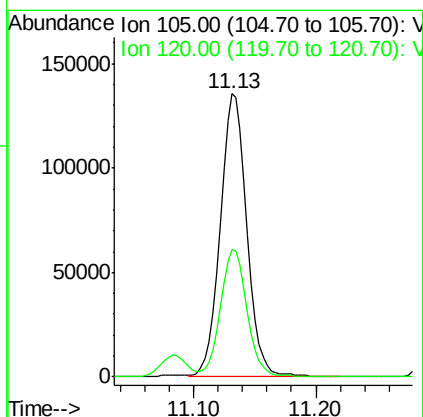
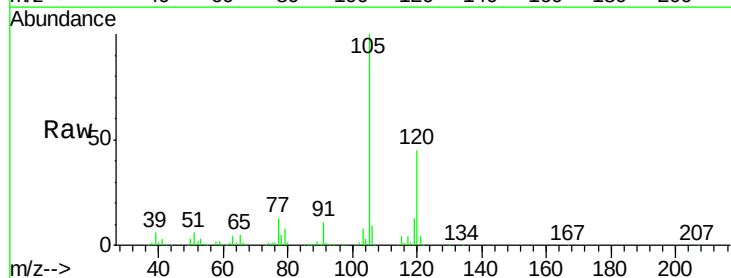
MMDadoda

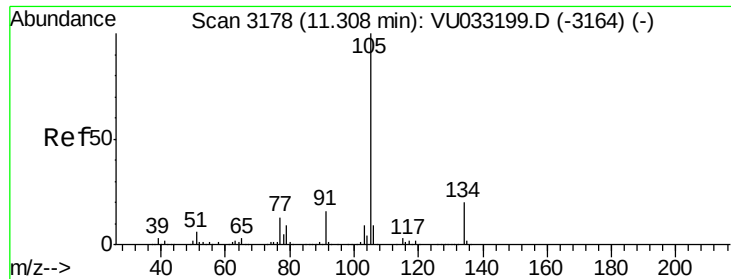
7/16/2019 4:03:19 PM



#78
 1,2,4-Trimethylbenzene
 Concen: 5.297 ug/l
 RT: 11.13 min Scan# 3123
 Delta R.T. -0.00 min
 Lab File: VU033198.D
 Acq: 11 Jul 2019 18:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.4	22.6	67.8





#79

sec-Butylbenzene

Concen: 5.128 ug/l

RT: 11.31 min Scan# 3178

Delta R.T. -0.00 min

Lab File: VU033198.D

Acq: 11 Jul 2019 18:14

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 257841

Ion Ratio Lower Upper

105 100

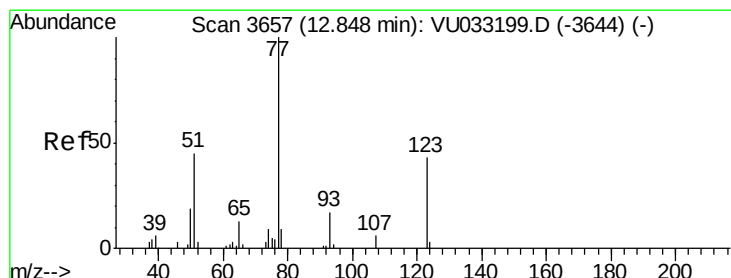
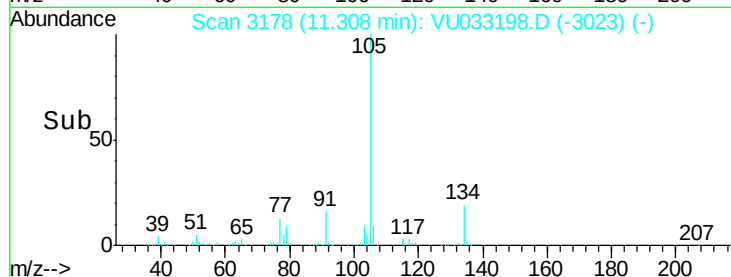
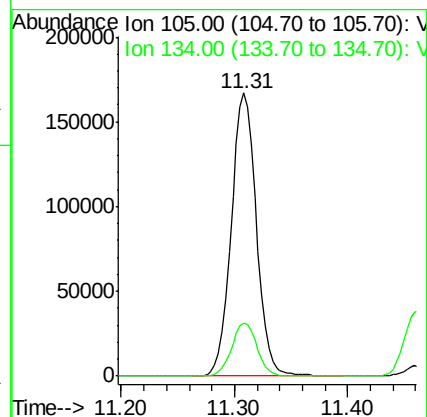
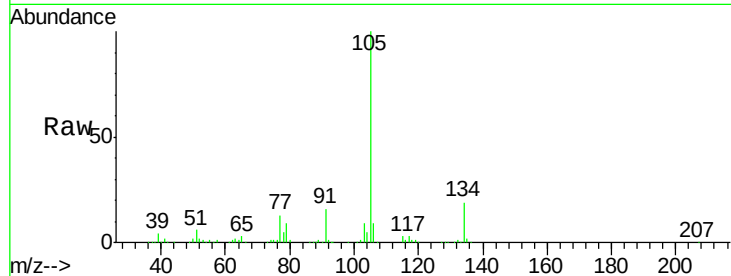
134 19.1 15.8 23.8

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7/16/2019 4:03:19 PM



#80

Nitrobenzene

Concen: 31.766 ug/l

RT: 12.85 min Scan# 3659

Delta R.T. 0.01 min

Lab File: VU033198.D

Acq: 11 Jul 2019 18:14

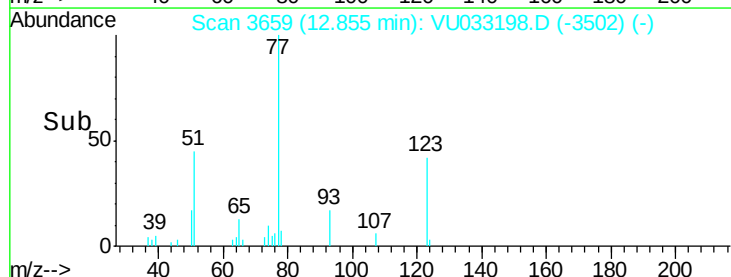
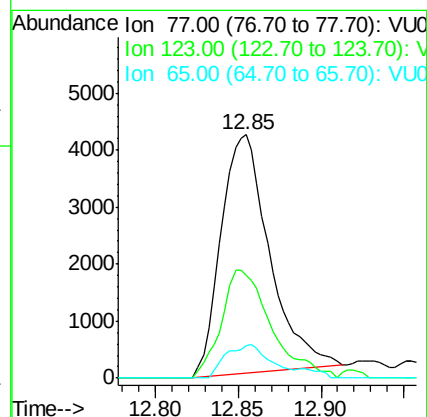
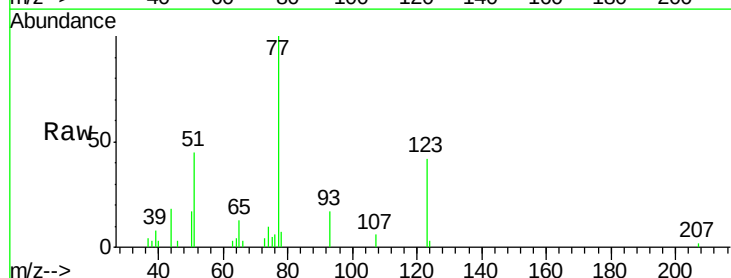
Tgt Ion: 77 Resp: 8545

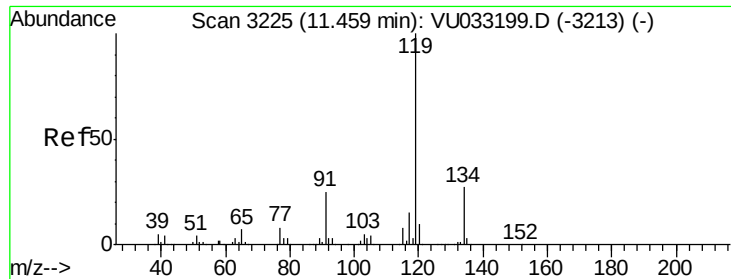
Ion Ratio Lower Upper

77 100

123 46.2 20.9 74.1

65 10.4 10.7 13.7#





#81
 p-Isopropyltoluene
 Concen: 5.268 ug/l
 RT: 11.46 min Scan# 3225
 Delta R.T. -0.00 min
 Lab File: VU033198.D
 Acq: 11 Jul 2019 18:14

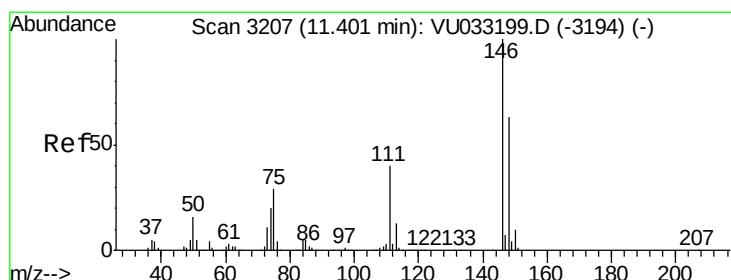
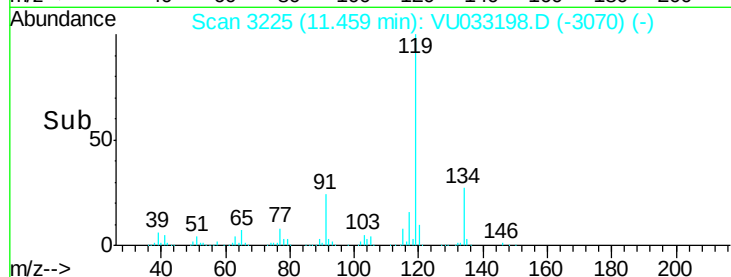
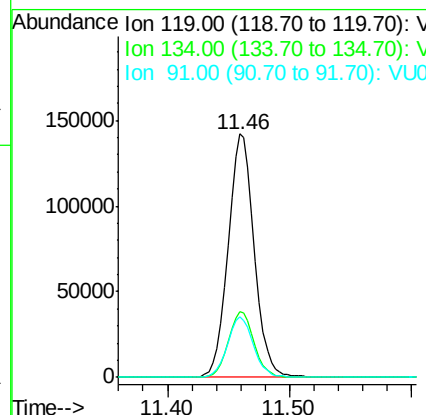
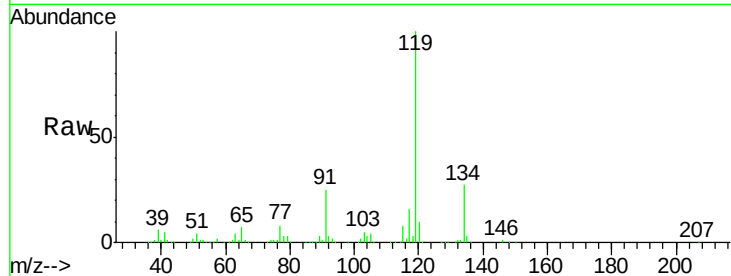
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
119	100	213196		
134	26.6		21.1	31.7
91	24.7		19.7	29.5

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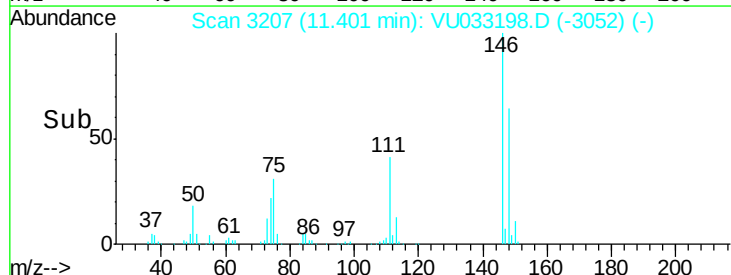
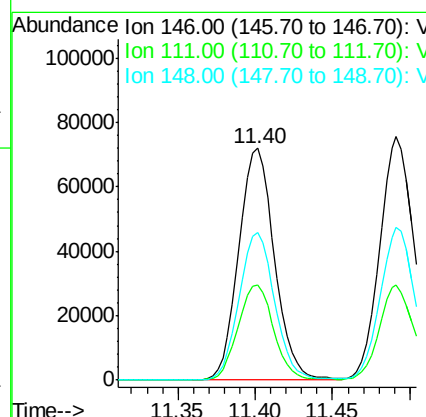
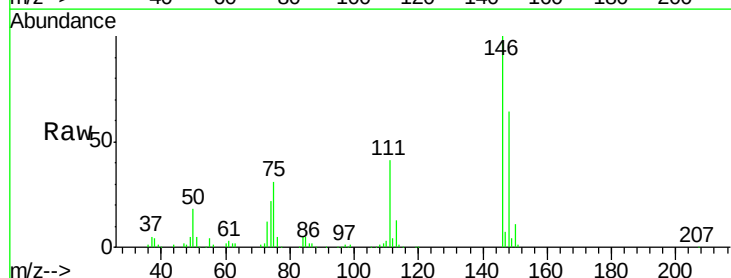
MMDadoda

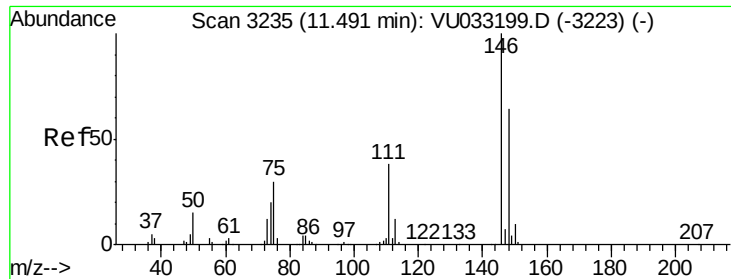
7/16/2019 4:03:19 PM



#82
 1,3-Dichlorobenzene
 Concen: 4.960 ug/l
 RT: 11.40 min Scan# 3207
 Delta R.T. -0.00 min
 Lab File: VU033198.D
 Acq: 11 Jul 2019 18:14

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	115839		
111	41.0		32.2	48.4
148	63.5		50.8	76.2





#83
 1,4-Dichlorobenzene
 Concen: 5.151 ug/l
 RT: 11.49 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU033198.D
 Acq: 11 Jul 2019 18:14

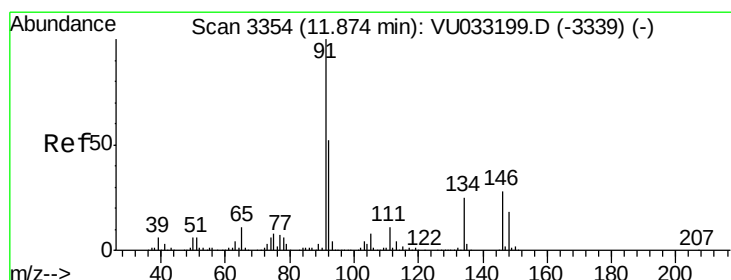
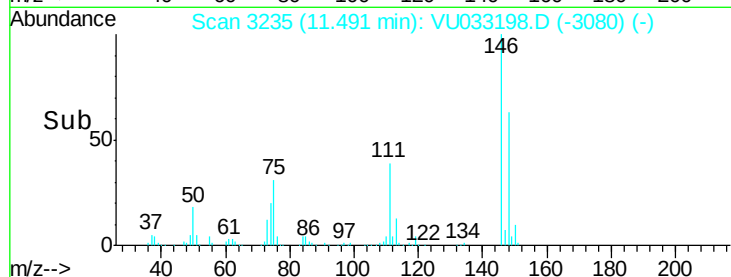
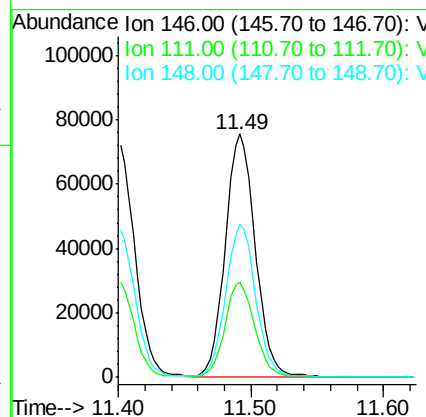
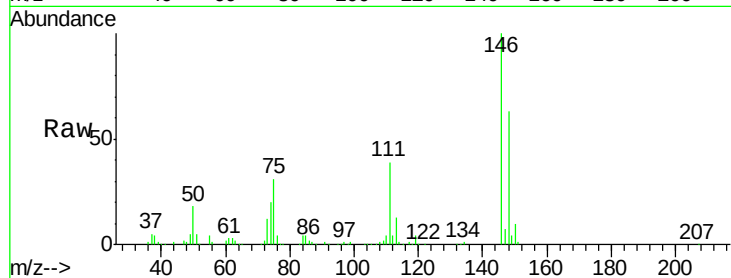
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	30.8	46.2
148	62.4	50.6	76.0

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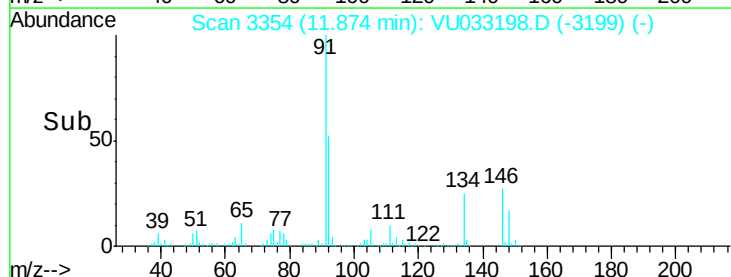
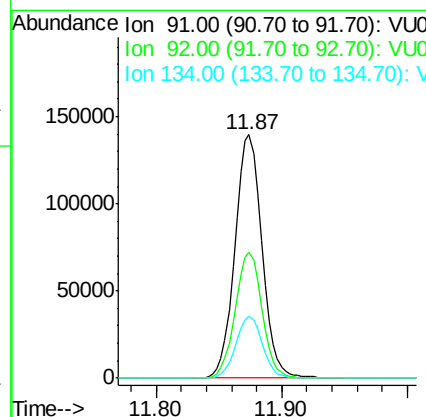
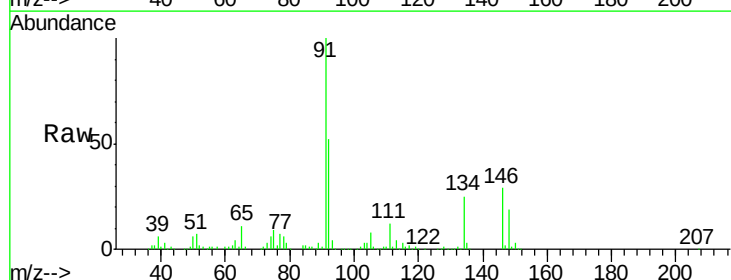
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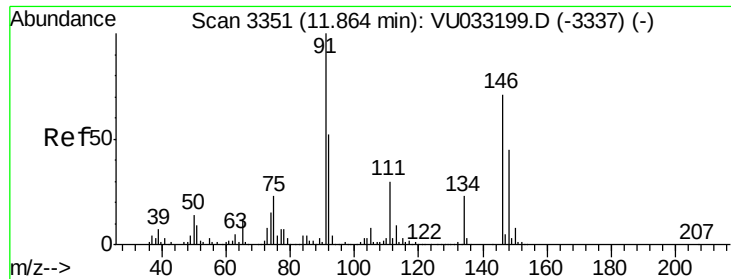
7/16/2019 4:03:19 PM



#84
 n-Butylbenzene
 Concen: 5.275 ug/l
 RT: 11.87 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VU033198.D
 Acq: 11 Jul 2019 18:14

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.4	41.5	62.3
134	24.9	19.6	29.4





#85
 1,2-Dichlorobenzene
 Concen: 5.050 ug/l
 RT: 11.86 min Scan# 3351
 Delta R.T. -0.00 min
 Lab File: VU033198.D
 Acq: 11 Jul 2019 18:14

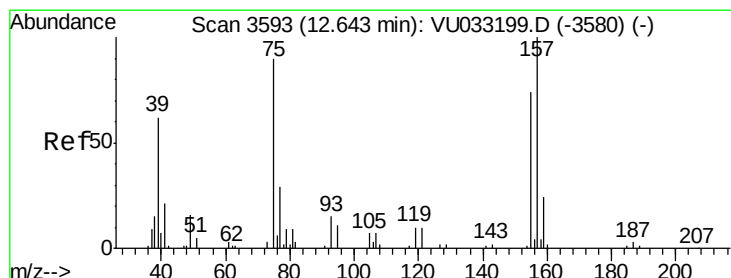
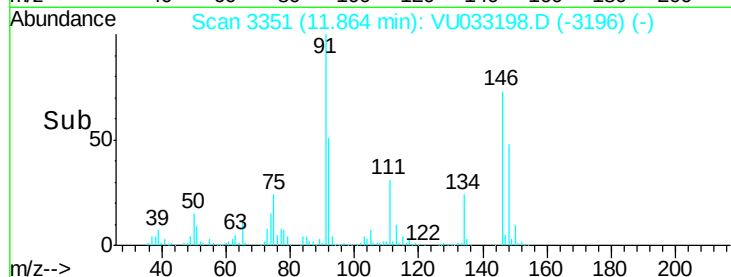
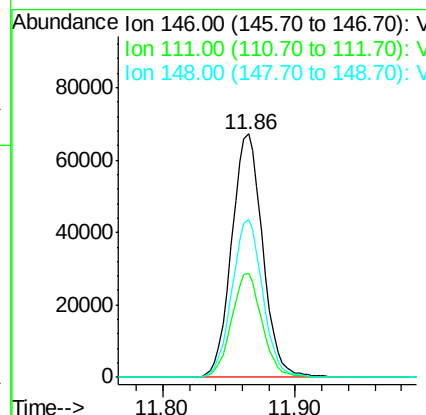
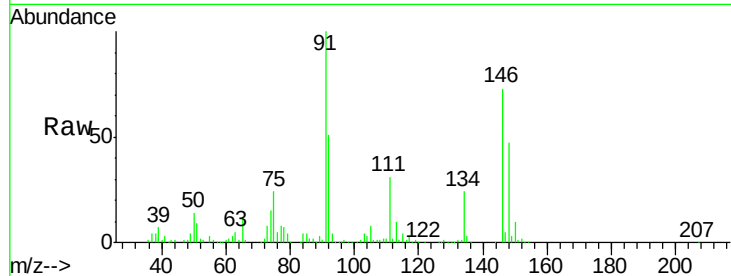
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.3	63.7
148	64.3	32.0	96.0

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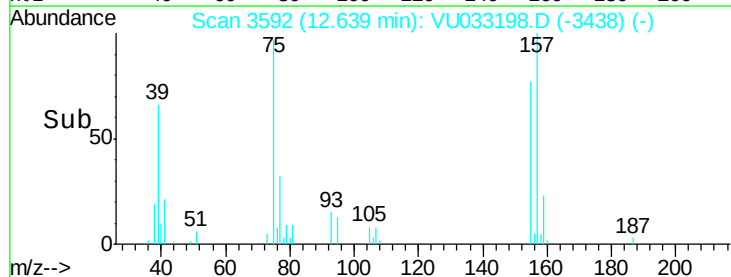
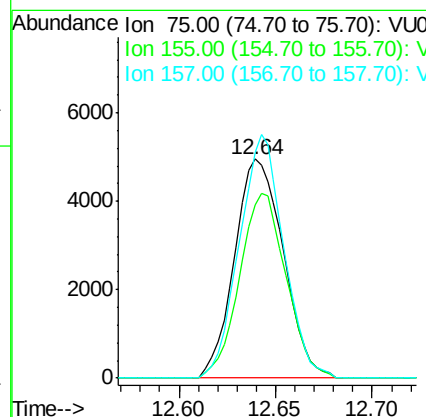
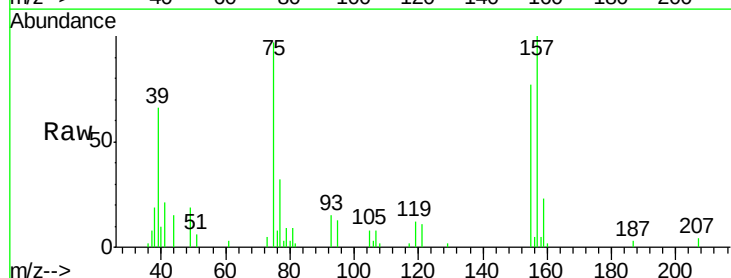
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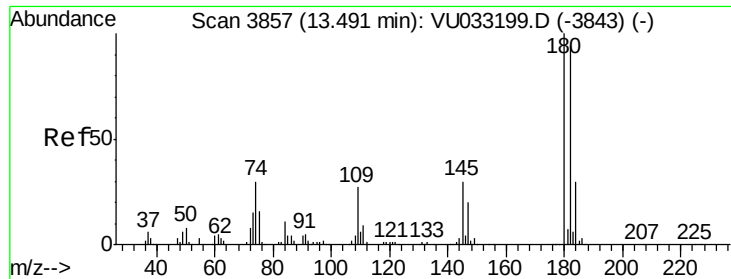
7/16/2019 4:03:19 PM



#86
 1,2-Dibromo-3-Chloropropane
 Concen: 5.176 ug/l
 RT: 12.64 min Scan# 3592
 Delta R.T. -0.00 min
 Lab File: VU033198.D
 Acq: 11 Jul 2019 18:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.4	60.6	90.8
157	101.0	82.5	123.7





#87
 1,2,4-Trichlorobenzene
 Concen: 5.680 ug/l
 RT: 13.49 min Scan# 3857
 Delta R.T. -0.00 min
 Lab File: VU033198.D
 Acq: 11 Jul 2019 18:14

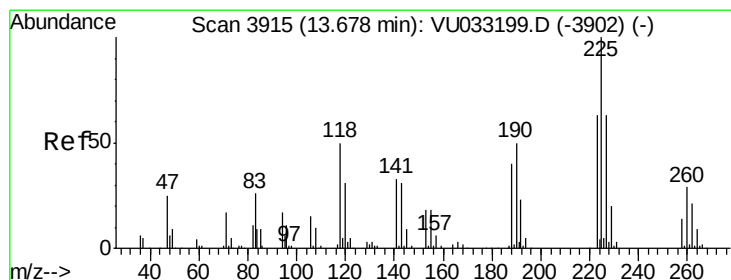
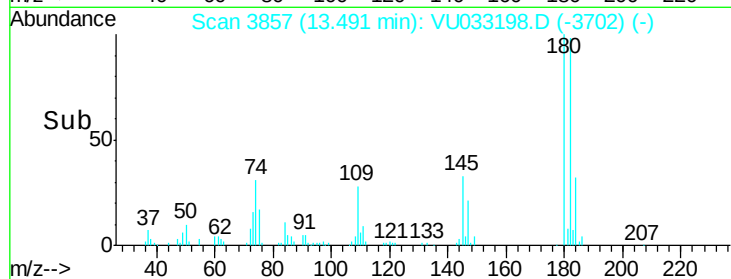
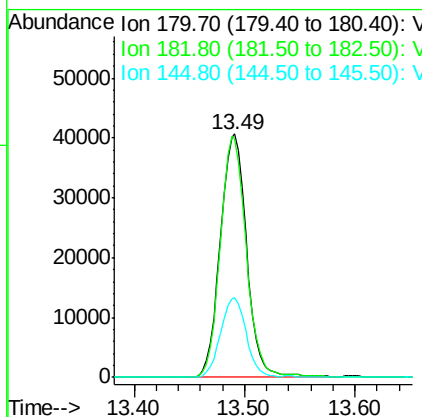
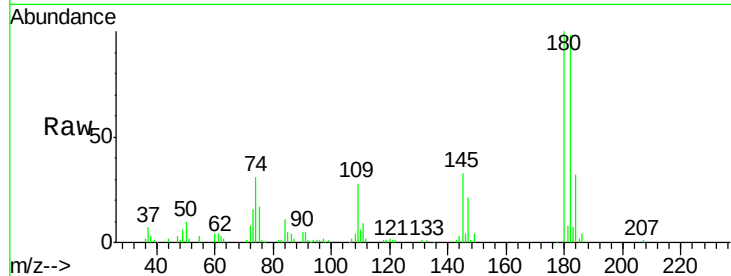
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.8	75.4	113.2
145	31.5	24.5	36.7

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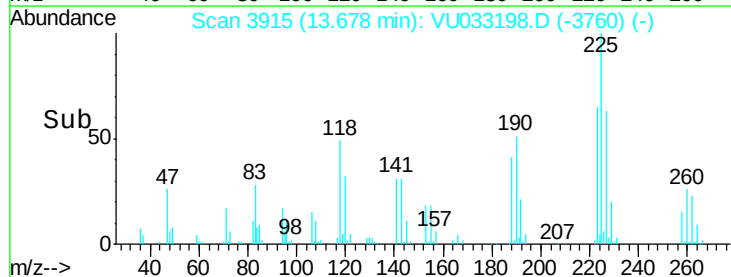
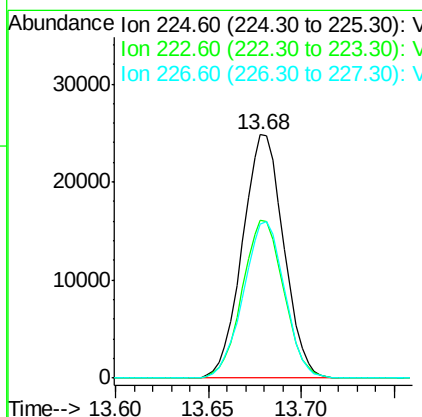
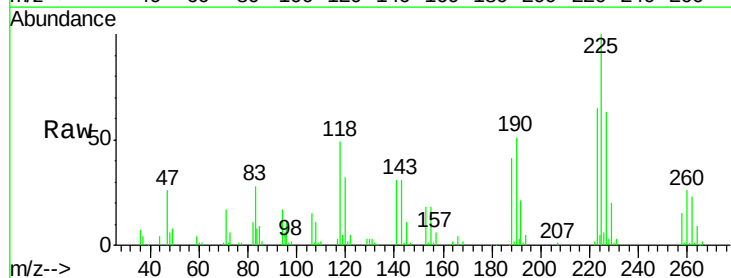
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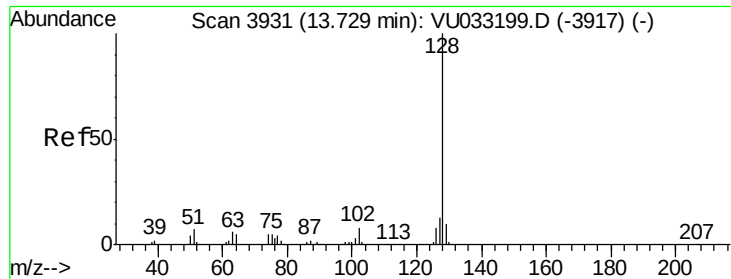
7/16/2019 4:03:19 PM



#88
 Hexachlorobutadiene
 Concen: 4.970 ug/l
 RT: 13.68 min Scan# 3915
 Delta R.T. -0.00 min
 Lab File: VU033198.D
 Acq: 11 Jul 2019 18:14

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.1	51.1	76.7
227	64.0	51.2	76.8





#89
Naphthalene
Concen: 6.271 ug/l
RT: 13.73 min Scan# 3931
Delta R.T. -0.00 min
Lab File: VU033198.D
Acq: 11 Jul 2019 18:14

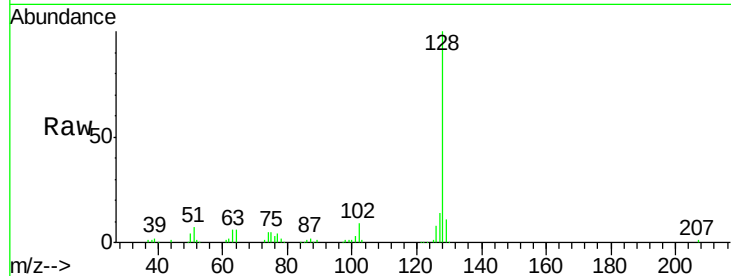
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	11.1	8.6	12.8

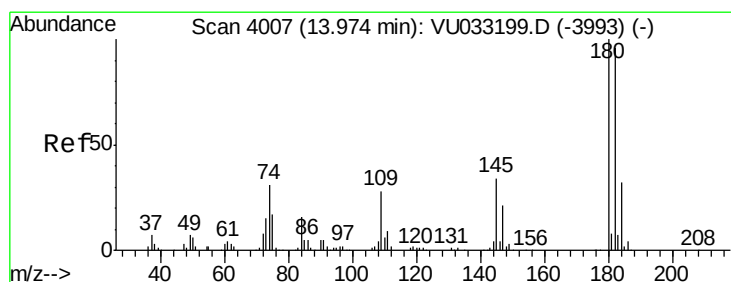
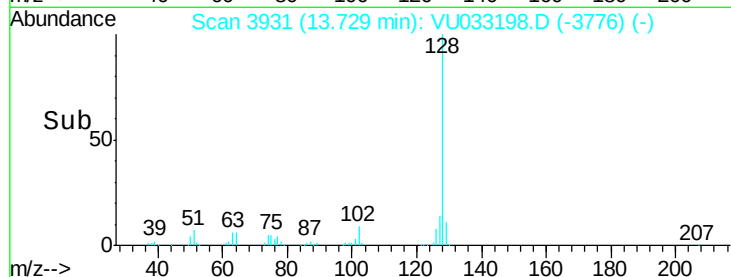
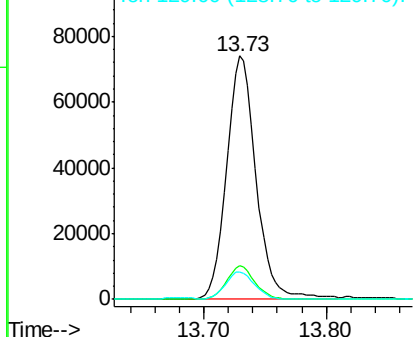
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7/16/2019 4:03:19 PM

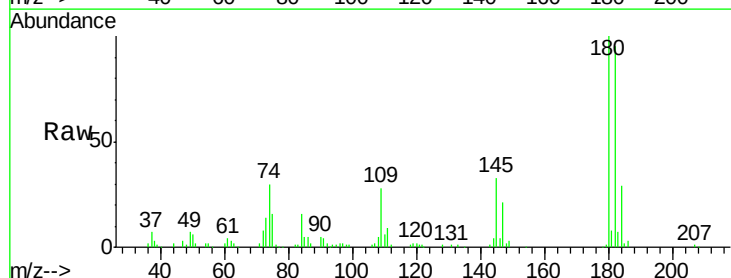


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#90
1,2,3-Trichlorobenzene
Concen: 5.677 ug/l
RT: 13.97 min Scan# 4007
Delta R.T. -0.00 min
Lab File: VU033198.D
Acq: 11 Jul 2019 18:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.2	114.4
145	33.7	26.6	40.0



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

